

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057294.D
 Acq On : 14 Aug 2019 18:16
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:20 AM

Quant Time: Aug 15 08:20:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	882191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1310299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1232807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	571379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	1404959	158.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.10%	
35) Dibromofluoromethane	7.58	113	1249699	150.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.42%	
50) Toluene-d8	10.09	98	4758120	157.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.70%	
62) 4-Bromofluorobenzene	12.40	95	1800213	172.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1089516	147.377	ug/l	97
3) Chloromethane	2.05	50	1332299	158.817	ug/l	99
4) Vinyl Chloride	2.18	62	1247766	153.492	ug/l	99
5) Bromomethane	2.51	94	720356	125.773	ug/l	99
6) Chloroethane	2.67	64	840528m	159.533	ug/l	
7) Trichlorofluoromethane	3.00	101	1910527	148.761	ug/l	100
8) Diethyl Ether	3.40	74	737899	157.567	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1131792	146.885	ug/l	100
10) Methyl Iodide	3.94	142	1879788	157.337	ug/l	100
11) Tert butyl alcohol	4.77	59	1042349	853.707	ug/l	99
12) 1,1-Dichloroethene	3.73	96	1144731	149.366	ug/l	97
13) Acrolein	3.60	56	594206	707.122	ug/l	100
14) Allyl chloride	4.31	41	1867802	159.827	ug/l	99
15) Acrylonitrile	4.97	53	2851140	837.343	ug/l	99
16) Acetone	3.81	43	2277006	745.767	ug/l	98
17) Carbon Disulfide	4.04	76	3186828	152.829	ug/l	99
18) Methyl Acetate	4.31	43	1295441	123.606	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	3671305	159.463	ug/l	98
20) Methylene Chloride	4.54	84	1326381	148.635	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	1224916	150.226	ug/l	100
22) Diisopropyl ether	5.94	45	3621274	157.075	ug/l	96
23) Vinyl Acetate	5.88	43	15057173	823.307	ug/l	99
24) 1,1-Dichloroethane	5.83	63	2194910	151.951	ug/l	100
25) 2-Butanone	6.82	43	3556388	811.393	ug/l	97
26) 2,2-Dichloropropane	6.81	77	1818393	154.270	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	1449483	153.843	ug/l	100
28) Bromochloromethane	7.19	49	970468	150.850	ug/l #	100
29) Tetrahydrofuran	7.20	42	2241746	801.314	ug/l	99
30) Chloroform	7.36	83	2252347	148.996	ug/l	98
31) Cyclohexane	7.65	56	1850542	147.374	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	2017871	157.865	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1723600	151.554	ug/l	98
37) Ethyl Acetate	6.91	43	1462010	157.021	ug/l	99
38) Carbon Tetrachloride	7.77	117	1807291	149.412	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2024666	150.597	ug/l	99
40) Benzene	8.03	78	5173190	148.824	ug/l	99
41) Methacrylonitrile	7.17	41	640888m	164.775	ug/l	
42) 1,2-Dichloroethane	8.12	62	1694356	151.741	ug/l	100
43) Isopropyl Acetate	8.16	43	2561322	165.521	ug/l	98
44) Trichloroethene	8.83	130	1463725	146.126	ug/l	100
45) 1,2-Dichloropropane	9.11	63	1356517	153.788	ug/l	99
46) Dibromomethane	9.20	93	886856	149.510	ug/l	100
47) Bromodichloromethane	9.40	83	1834562	160.091	ug/l	99
48) Methyl methacrylate	9.19	41	1207900	170.213	ug/l	99
49) 1,4-Dioxane	9.20	88	484958	3042.632	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	7520522	834.510	ug/l	99
52) Toluene	10.15	92	3309027	153.434	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2069408	168.863	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	2229889	161.508	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1289556	152.344	ug/l	99
56) Ethyl methacrylate	10.43	69	2079862	174.078	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2149703	153.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3000135	998.476	ug/l	100
59) 2-Hexanone	10.75	43	5432185	848.145	ug/l	100
60) Dibromochloromethane	10.90	129	1556865	163.949	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1397791	158.922	ug/l	100
64) Tetrachloroethene	10.63	164	1407368	129.858	ug/l	99
65) Chlorobenzene	11.43	112	3733049	148.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1419966	146.455	ug/l	99
67) Ethyl Benzene	11.51	91	6601834	153.675	ug/l	99
68) m/p-Xylenes	11.62	106	5014112	312.451	ug/l	100
69) o-Xylene	11.95	106	2438779	155.012	ug/l	100
70) Styrene	11.96	104	4289573	176.370	ug/l	99
71) Bromoform	12.13	173	1242310	166.680	ug/l #	99
73) Isopropylbenzene	12.25	105	6593546	124.429	ug/l	99
74) N-amyl acetate	12.07	43	2167561	140.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1784285	117.305	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1701216m	140.754	ug/l	
77) Bromobenzene	12.53	156	1811585	125.594	ug/l	98
78) n-propylbenzene	12.59	91	7402976	138.747	ug/l	100
79) 2-Chlorotoluene	12.68	91	4429716	129.884	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5682594	132.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	648133	150.461	ug/l	97
82) 4-Chlorotoluene	12.77	91	4493814	143.945	ug/l	99
83) tert-Butylbenzene	12.99	119	4923823	122.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5541136	137.889	ug/l	100
85) sec-Butylbenzene	13.17	105	6465574	134.574	ug/l	99
86) p-Isopropyltoluene	13.29	119	5895703	140.754	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2886364	146.277	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2796969	146.010	ug/l	99
89) n-Butylbenzene	13.62	91	4615946	156.805	ug/l	100
90) Hexachloroethane	13.88	117	1057136	129.148	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	2652238	138.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	302518	158.184	ug/l	98

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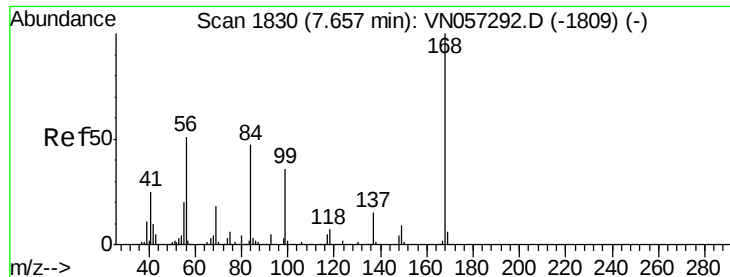
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1253887	182.068	ug/l	99
94) Hexachlorobutadiene	15.01	225	980559	106.203	ug/l	98
95) Naphthalene	15.13	128	3159059	233.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	1257327	180.143	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 882191

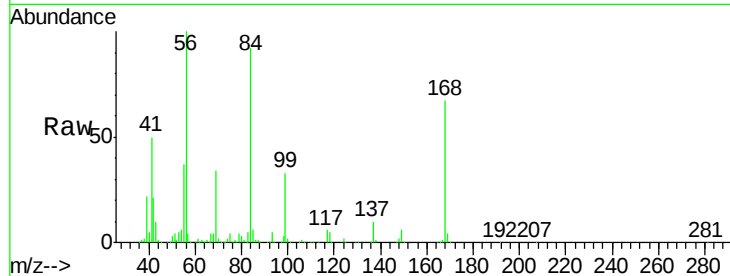
Ion Ratio Lower Upper

168 100

99 48.7 39.4 59.2

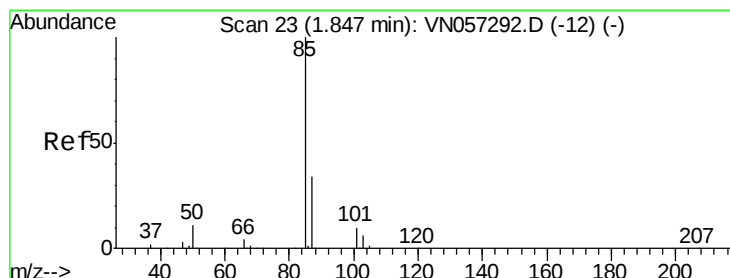
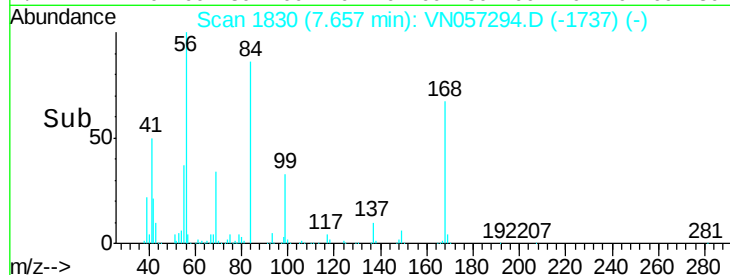
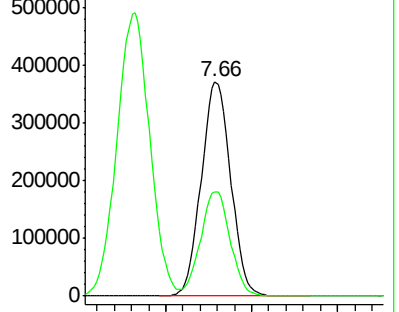
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 147.377 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057294.D

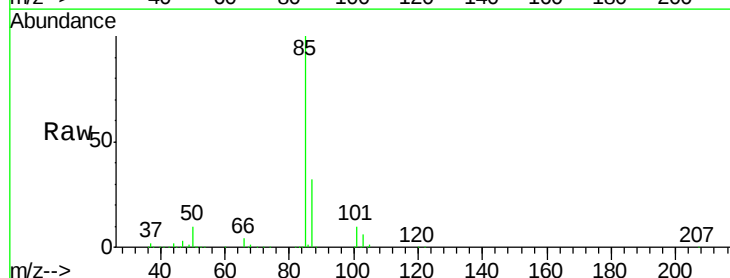
Acq: 14 Aug 2019 18:16

Tgt Ion: 85 Resp: 1089516

Ion Ratio Lower Upper

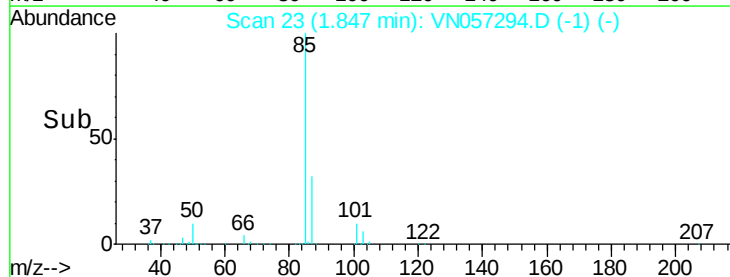
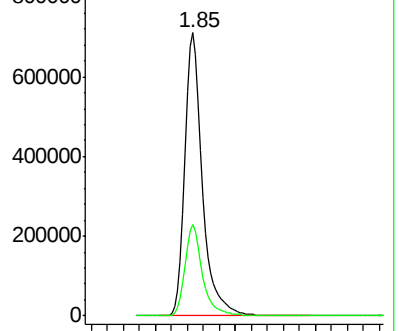
85 100

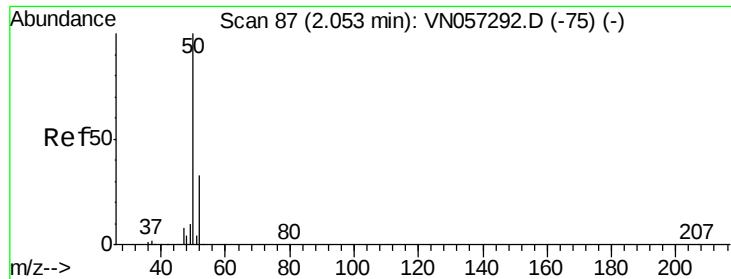
87 32.2 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 158.817 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1332299

Ion Ratio Lower Upper

50 100

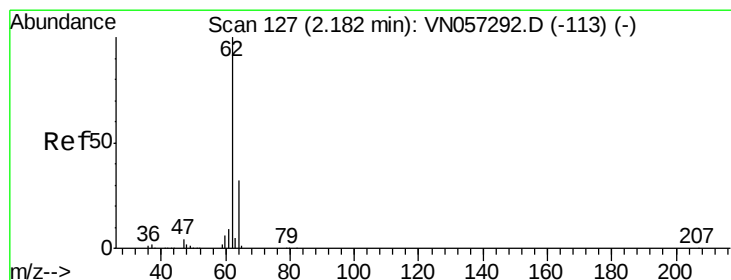
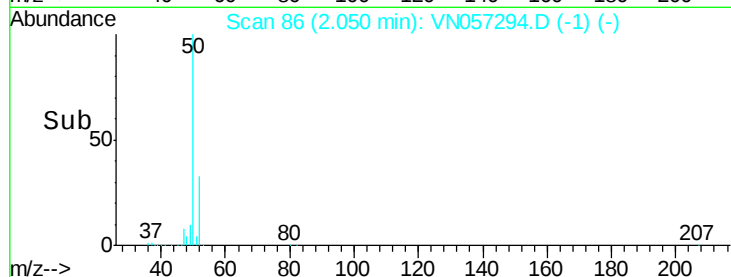
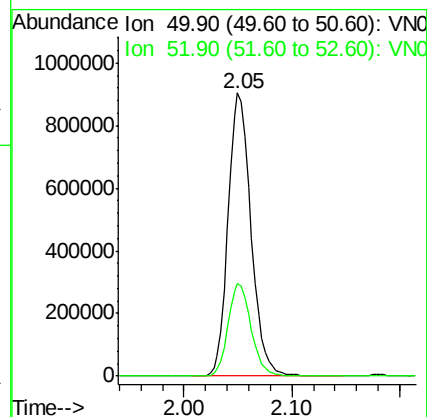
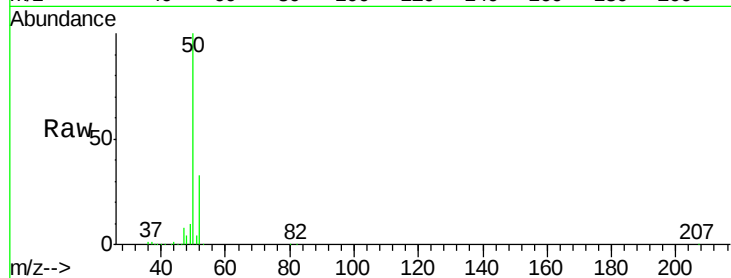
52 32.9 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 153.492 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057294.D

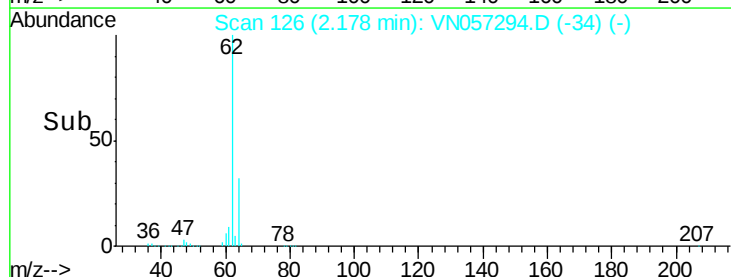
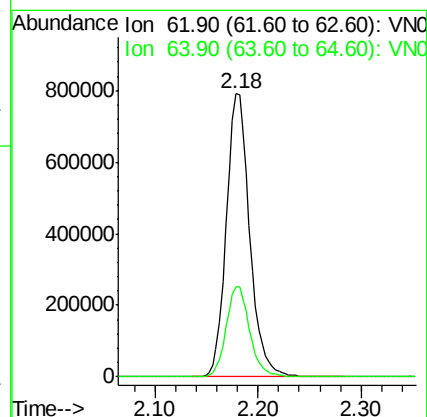
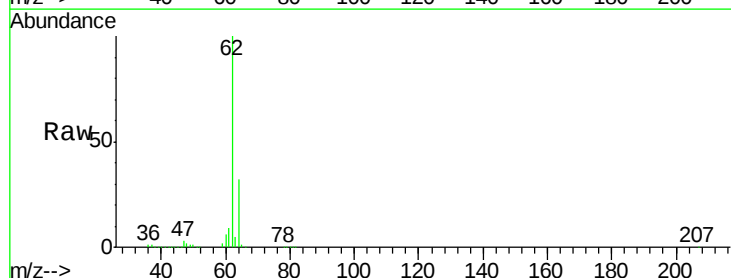
Acq: 14 Aug 2019 18:16

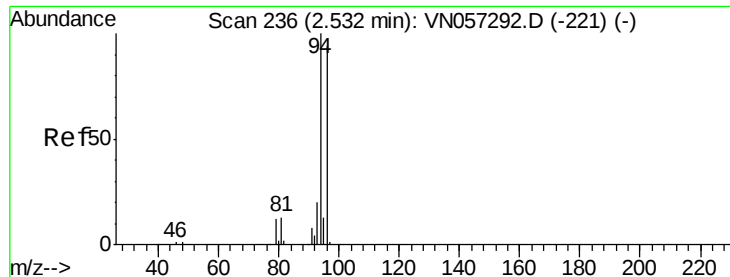
Tgt Ion: 62 Resp: 1247766

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 125.773 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 720356

Ion Ratio Lower Upper

94 100

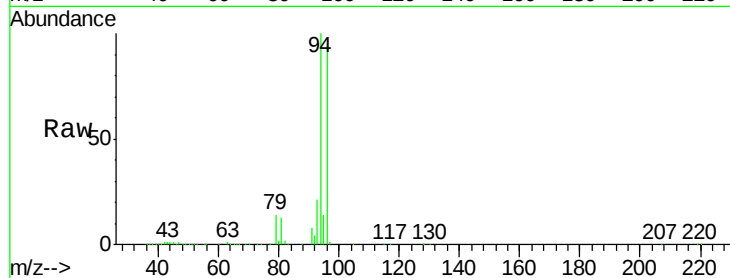
96 94.5 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.51

500000

400000

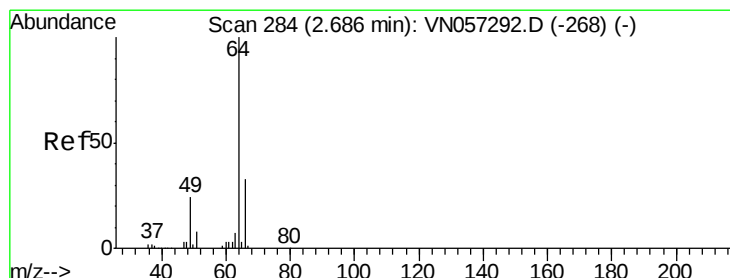
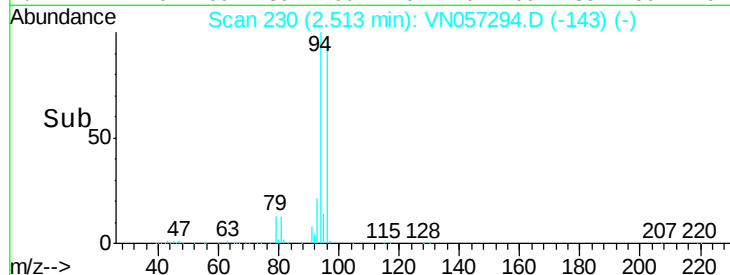
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 159.533 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN057294.D

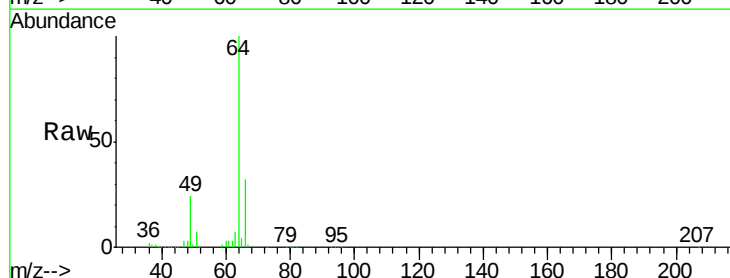
Acq: 14 Aug 2019 18:16

Tgt Ion: 64 Resp: 840528

Ion Ratio Lower Upper

64 100

66 31.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

400000

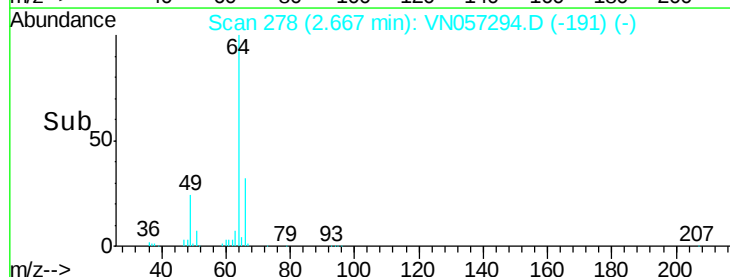
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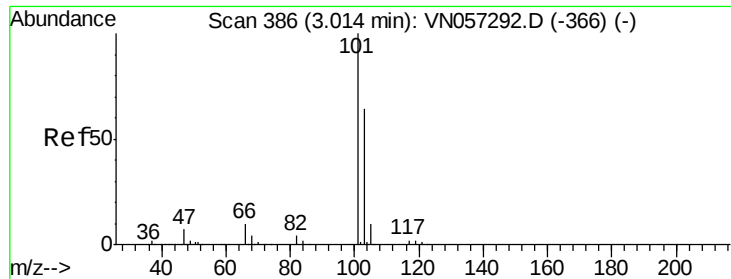
200000

100000

0

Time-->





#7

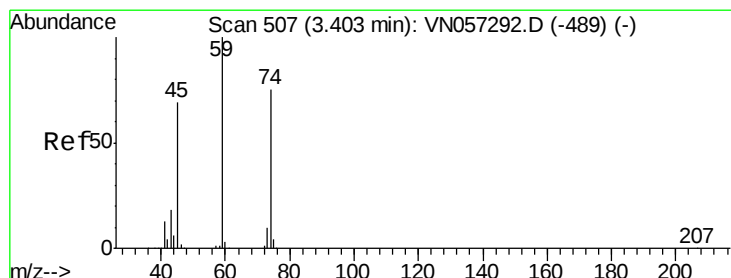
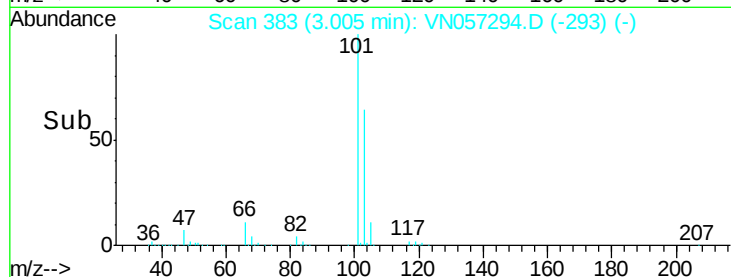
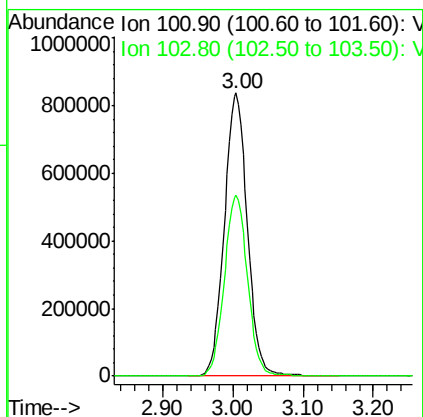
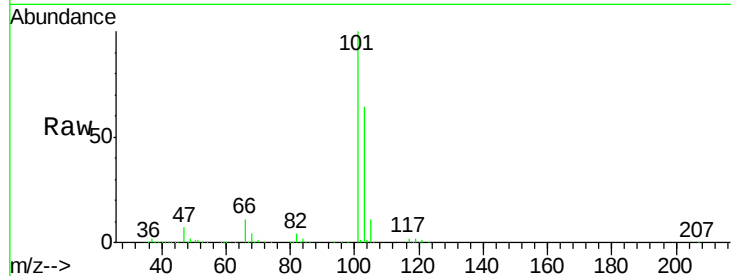
Trichlorofluoromethane
Concen: 148.761 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.1	51.5	77.3	

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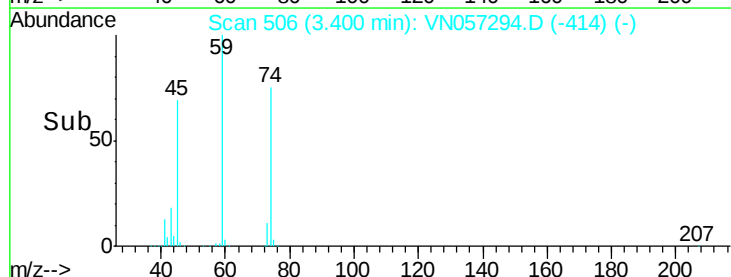
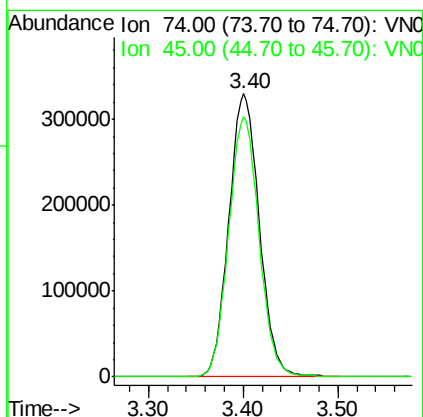
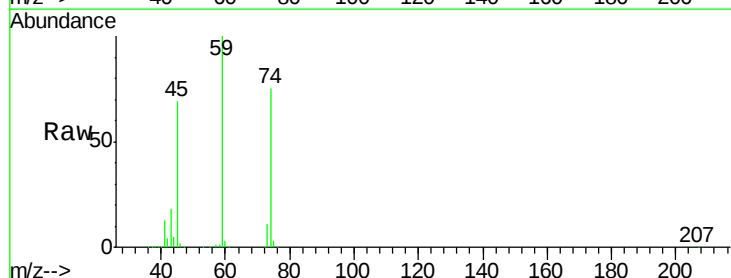
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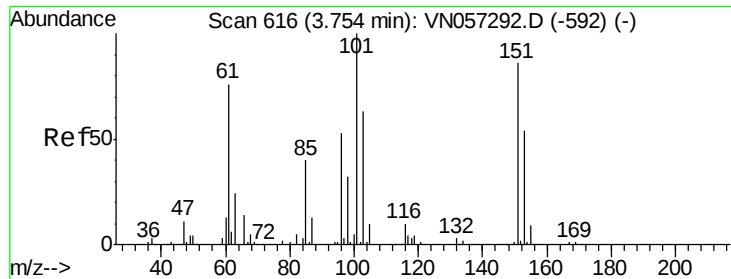


#8

Diethyl Ether
Concen: 157.567 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	91.5	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.885 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1131792

Ion Ratio Lower Upper

101 100

85 41.3 32.7 49.1

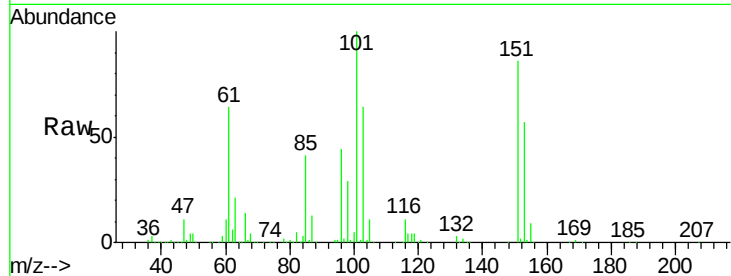
151 86.3 69.1 103.7

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MMdadoda

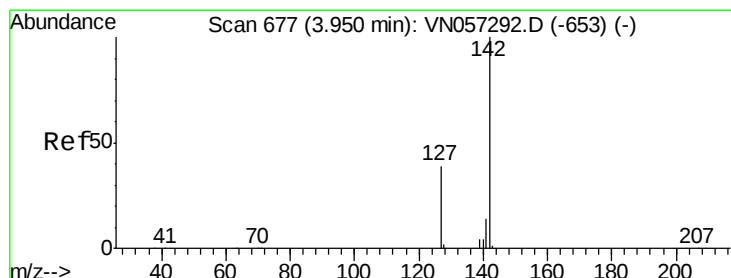
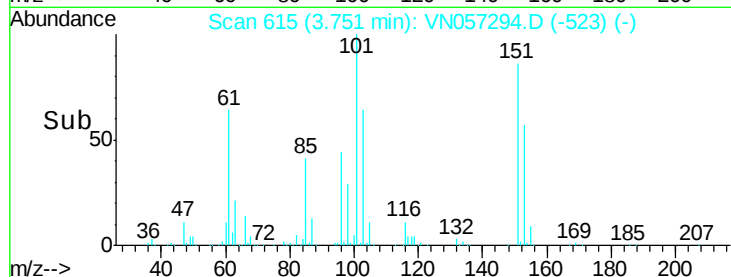
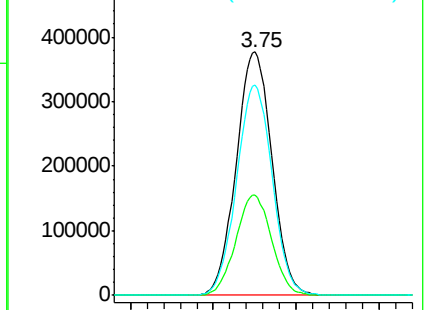
8/19/2019 1:53:20 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 157.337 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

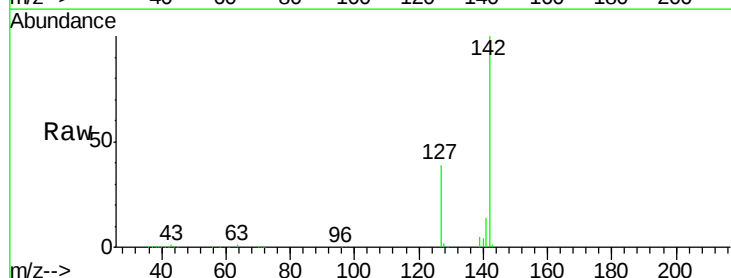
Tgt Ion:142 Resp: 1879788

Ion Ratio Lower Upper

142 100

127 39.6 31.6 47.4

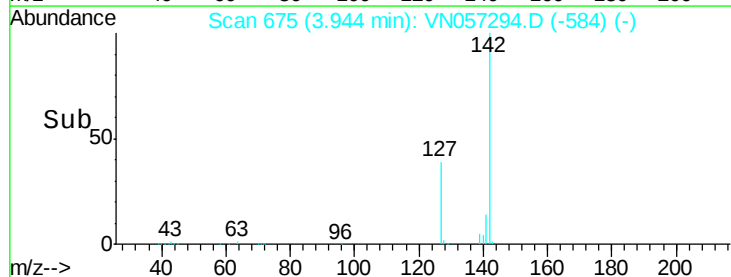
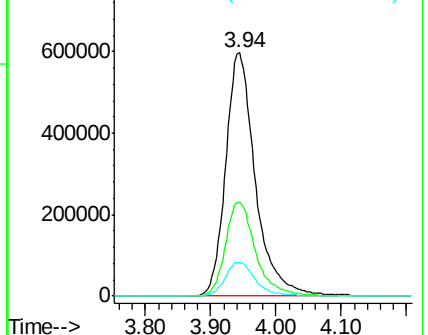
141 14.3 11.2 16.8

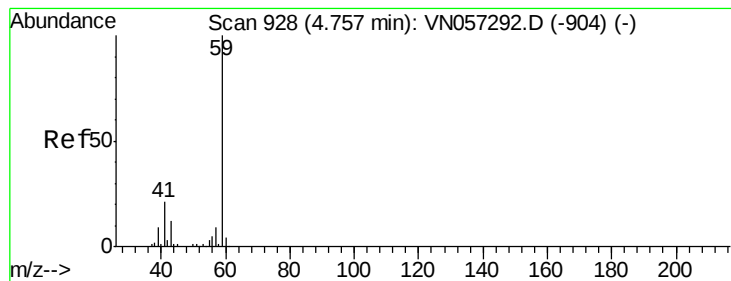


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

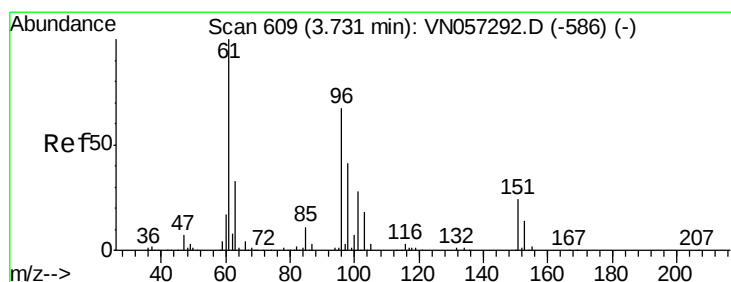
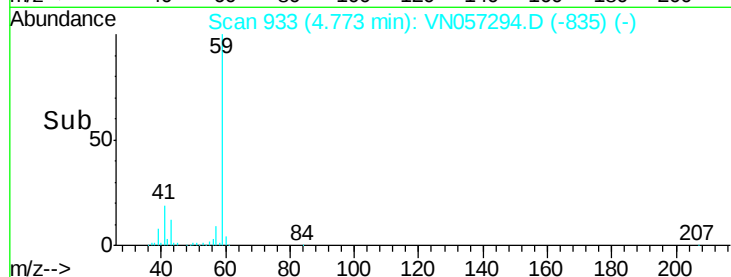
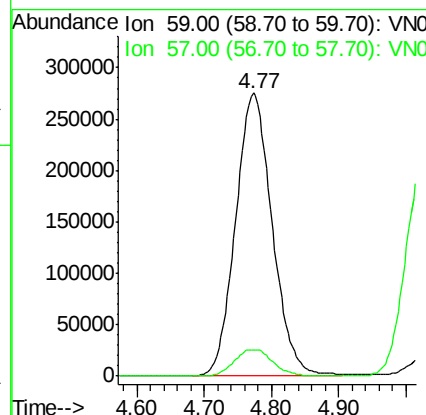
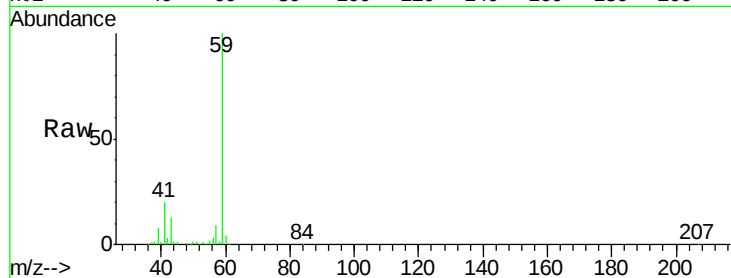
Tert butyl alcohol
Concen: 853.707 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.02 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 1042349
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2

Manual Integrations
APPROVED

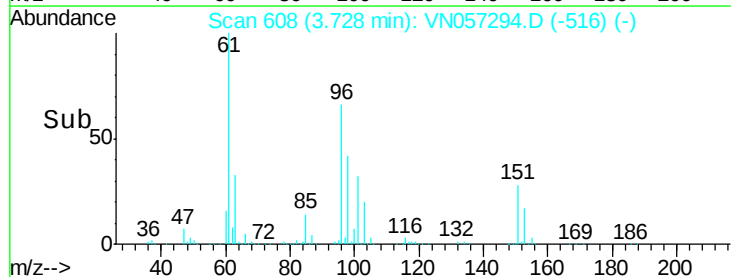
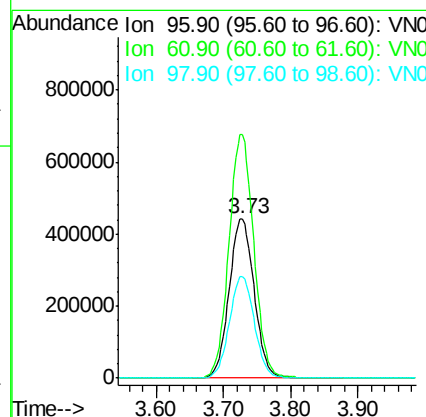
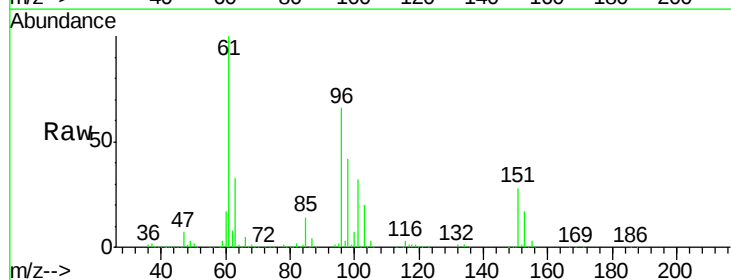
MMdadoda
8/19/2019 1:53:20 AM

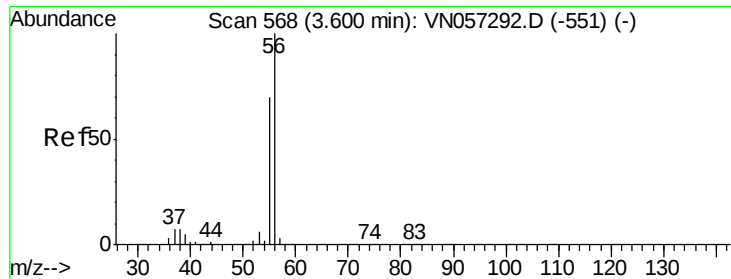


#12

1,1-Dichloroethene
Concen: 149.366 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 96 Resp: 1144731
Ion Ratio Lower Upper
96 100
61 152.6 119.7 179.5
98 64.0 49.0 73.4





#13

Acrolein

Concen: 707.122 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 594206

Ion Ratio Lower Upper

56 100

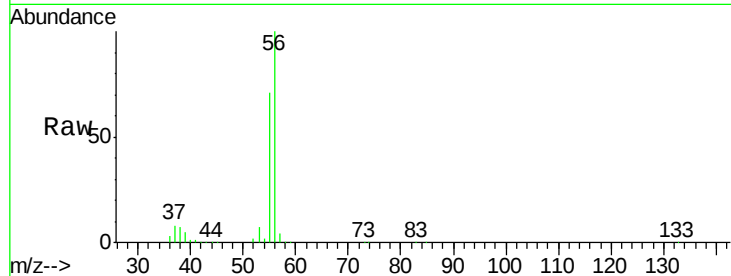
55 71.0 56.6 84.8

Manual Integrations

APPROVED

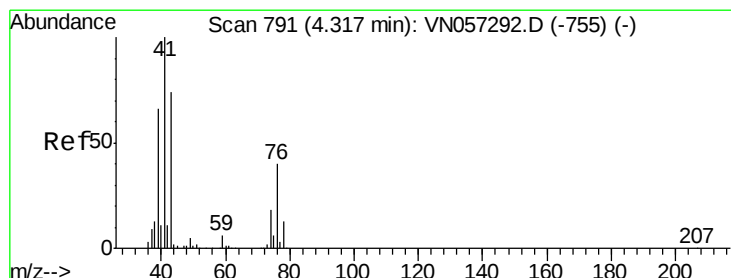
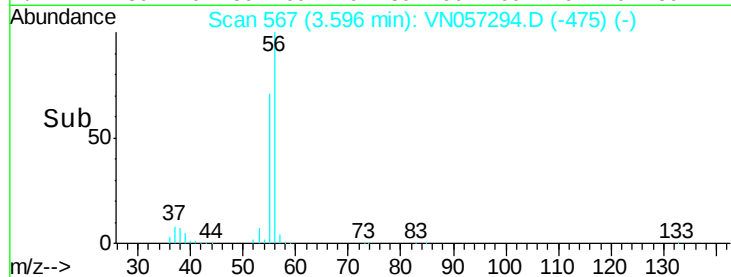
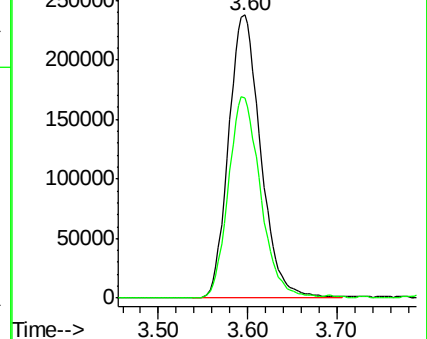
MMdadoda

8/19/2019 1:53:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 159.827 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

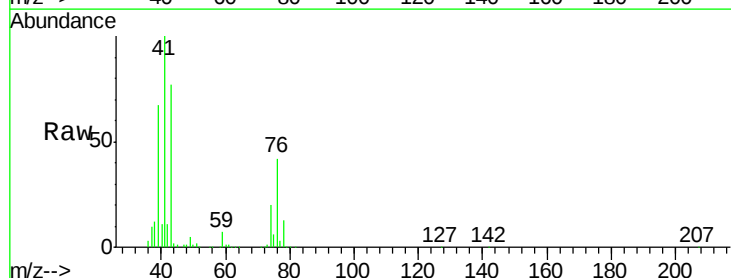
Tgt Ion: 41 Resp: 1867802

Ion Ratio Lower Upper

41 100

39 61.1 49.0 73.6

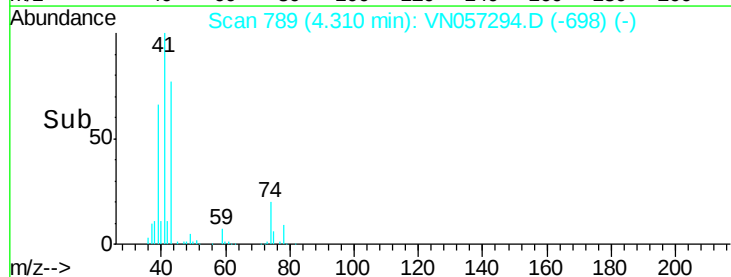
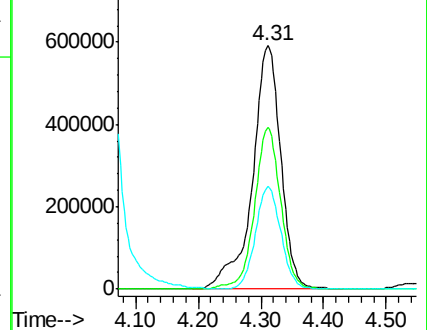
76 37.0 29.0 43.4

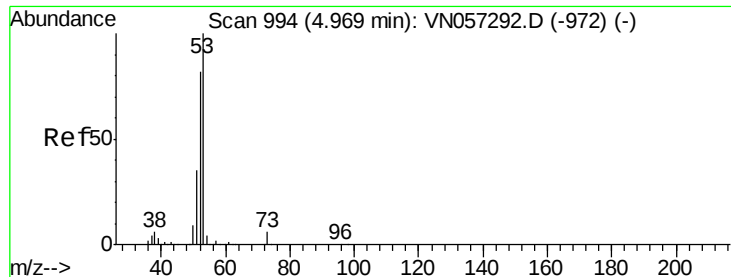


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 837.343 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 2851140

Ion Ratio Lower Upper

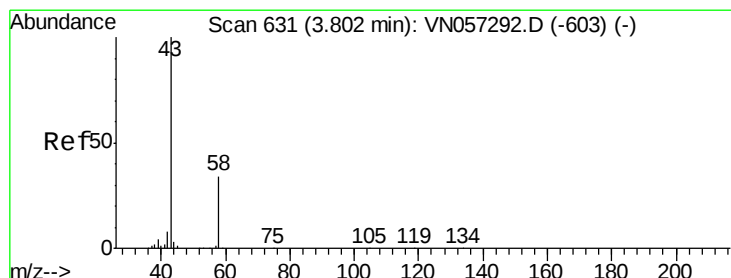
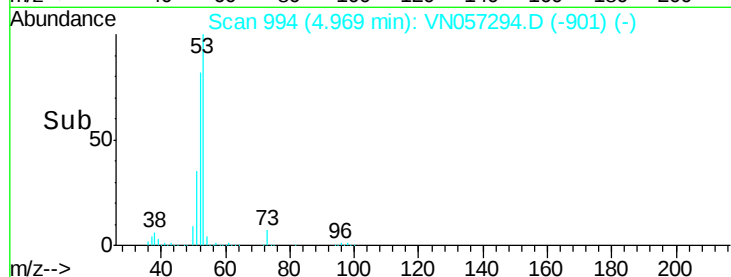
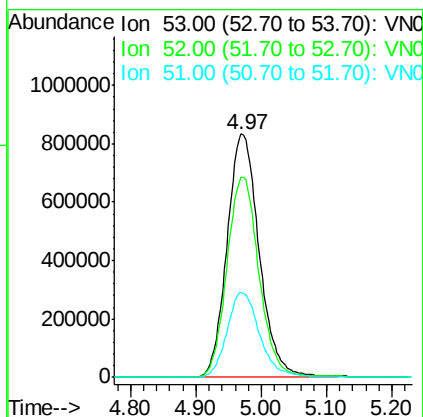
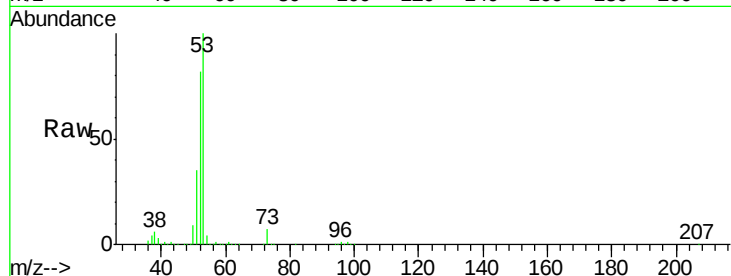
53 100

52 81.8 66.2 99.2

51 35.5 28.5 42.7

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:20 AM



#16

Acetone

Concen: 745.767 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057294.D

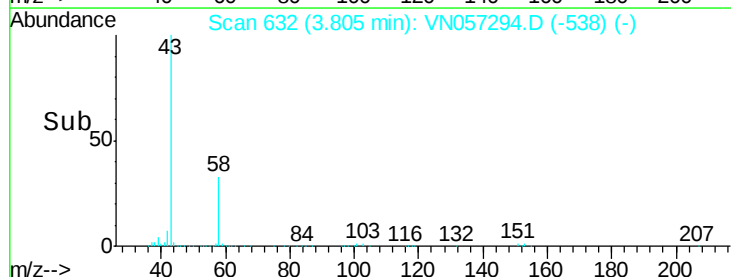
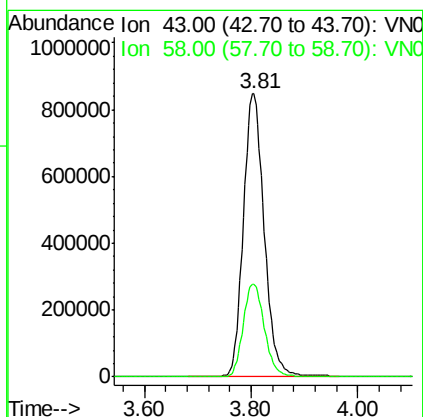
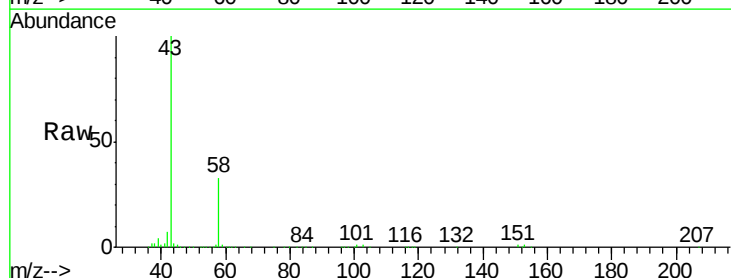
Acq: 14 Aug 2019 18:16

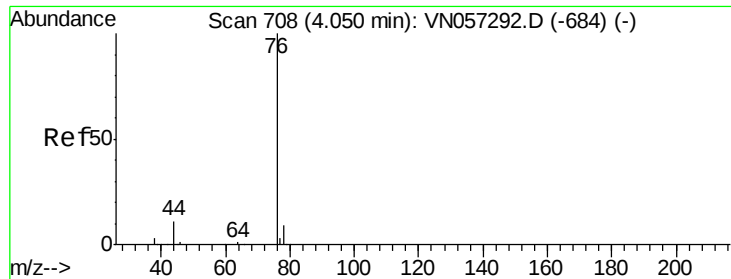
Tgt Ion: 43 Resp: 2277006

Ion Ratio Lower Upper

43 100

58 32.7 27.0 40.6





#17

Carbon Disulfide

Concen: 152.829 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 3186828

Ion Ratio Lower Upper

76 100

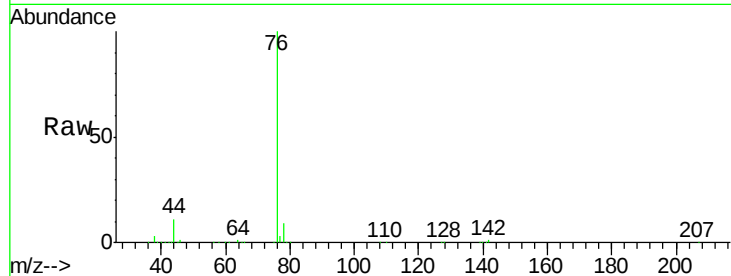
78 9.0 7.0 10.6

Manual Integrations

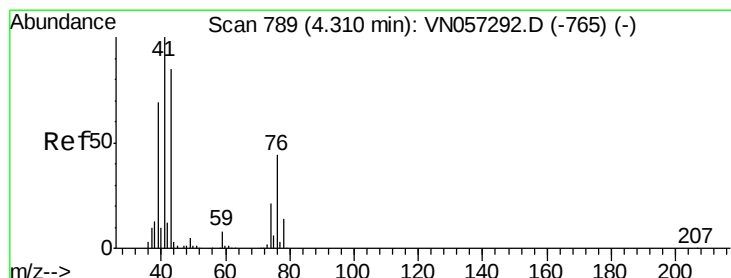
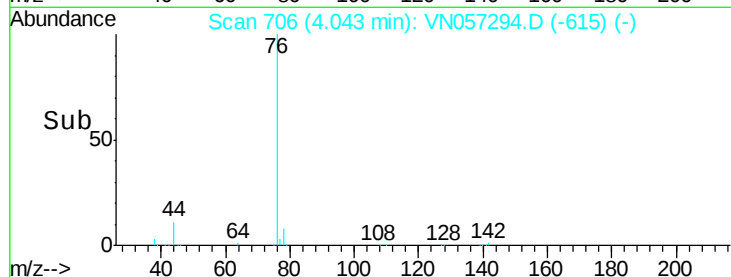
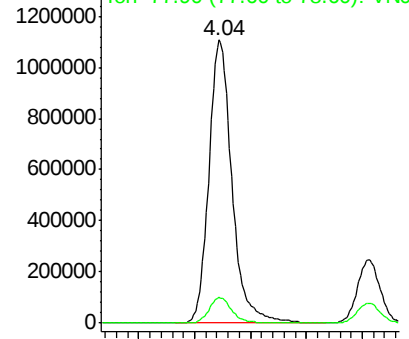
APPROVED

MMdadoda

8/19/2019 1:53:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057292.D (-684) (-)



#18

Methyl Acetate

Concen: 123.606 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057294.D

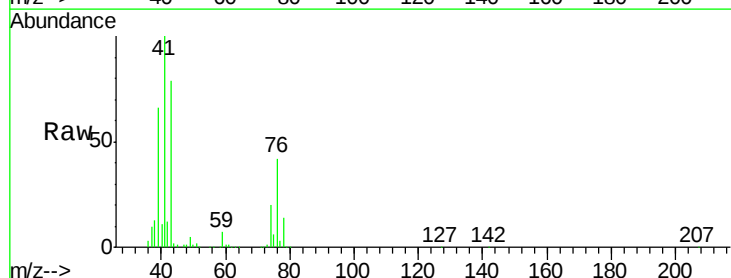
Acq: 14 Aug 2019 18:16

Tgt Ion: 43 Resp: 1295441

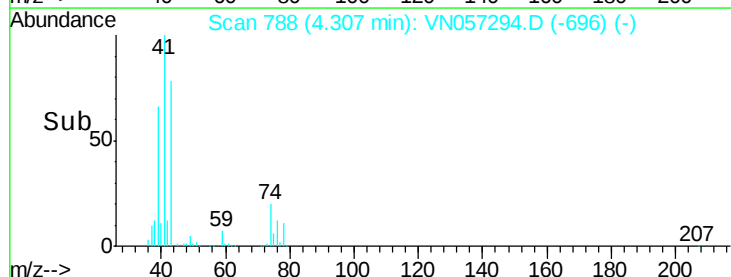
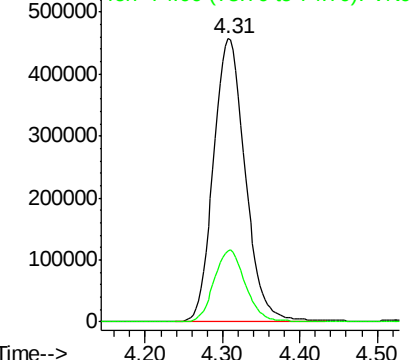
Ion Ratio Lower Upper

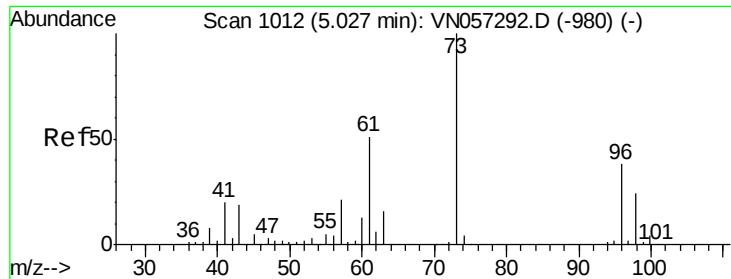
43 100

74 25.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-765) (-)





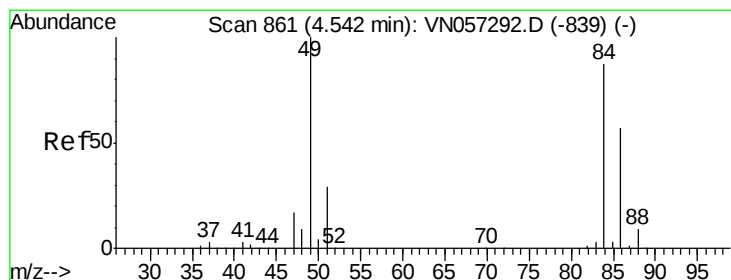
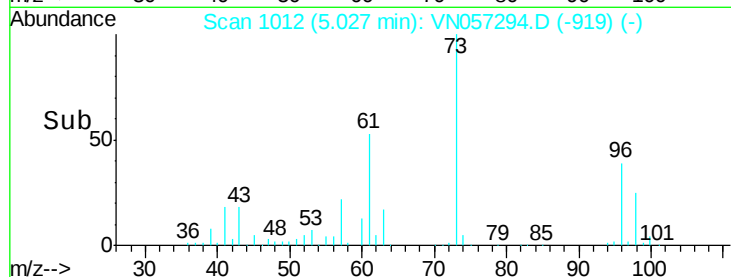
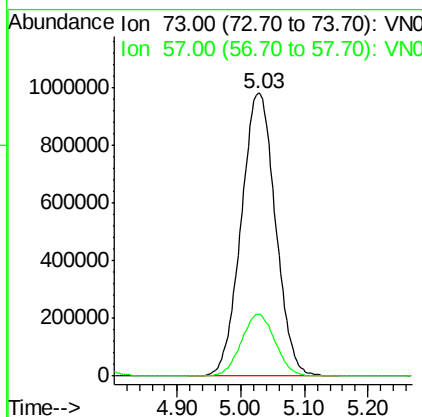
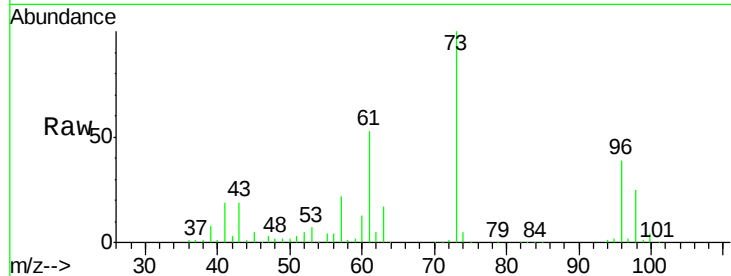
#19
Methvl tert-butvl Ether
Concen: 159.463 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3671305
Ion Ratio Lower Upper
73 100
57 22.0 16.9 25.3

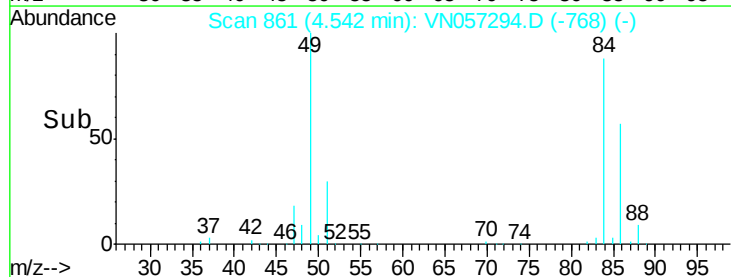
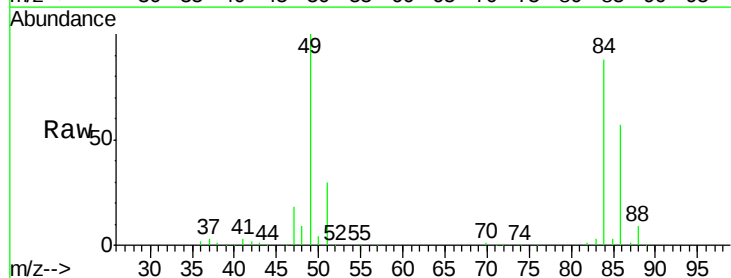
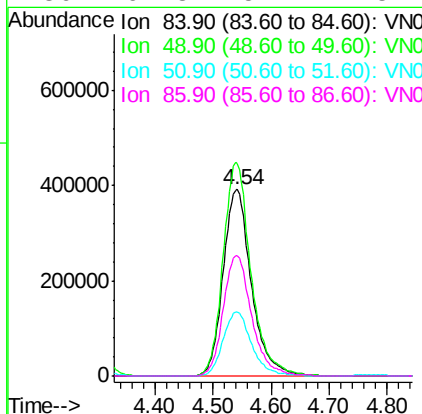
Manual Integrations
APPROVED

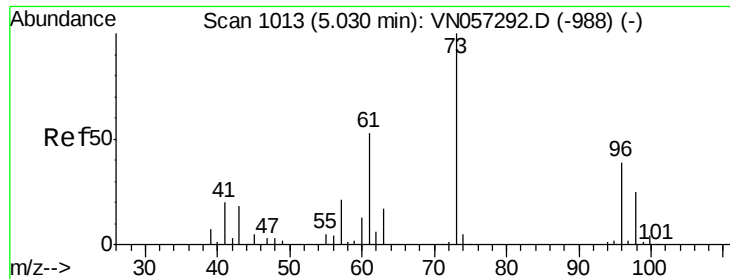
MMdadoda
8/19/2019 1:53:20 AM



#20
Methylene Chloride
Concen: 148.635 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 84 Resp: 1326381
Ion Ratio Lower Upper
84 100
49 113.6 92.0 138.0
51 34.6 27.1 40.7
86 64.8 52.2 78.2





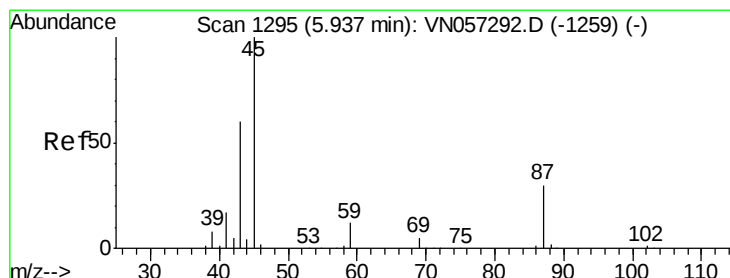
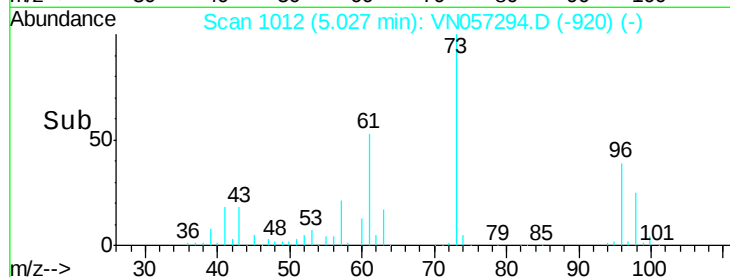
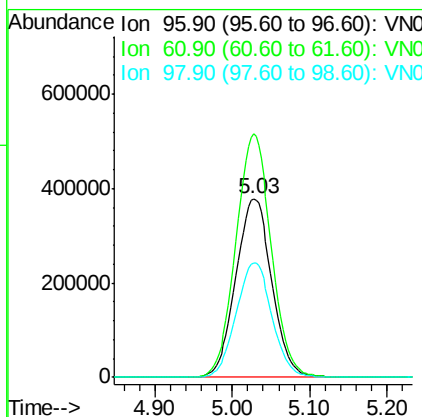
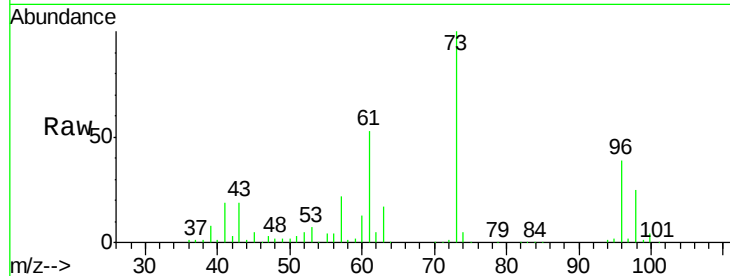
#21
trans-1,2-Dichloroethene
Concen: 150.226 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1224916
Ion Ratio Lower Upper
96 100
61 136.5 109.5 164.3
98 64.0 51.0 76.6

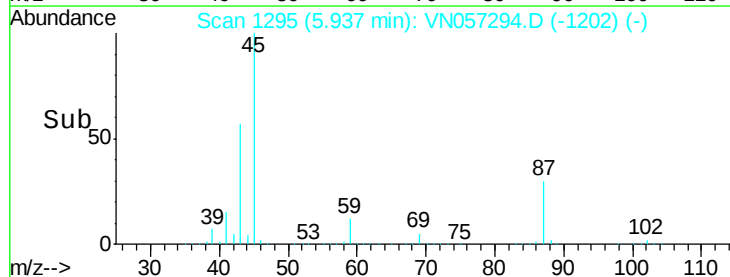
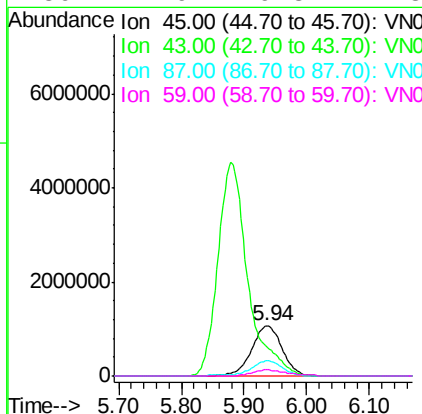
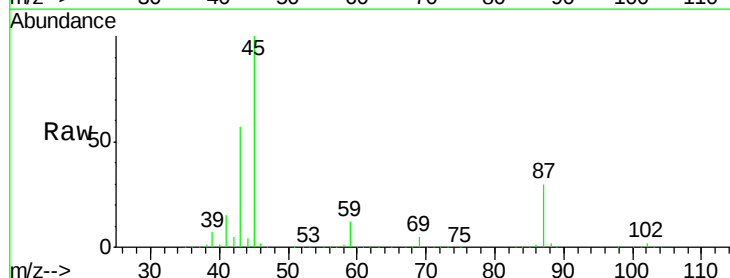
Manual Integrations
APPROVED

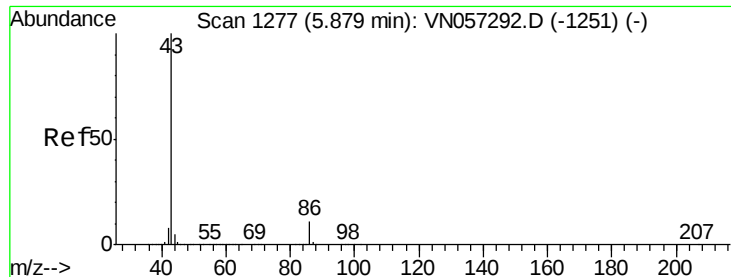
MMdadoda
8/19/2019 1:53:20 AM



#22
Diisopropyl ether
Concen: 157.075 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 45 Resp: 3621274
Ion Ratio Lower Upper
45 100
43 56.2 48.3 72.5
87 30.0 24.6 36.8
59 11.9 9.8 14.8





#23

Vinyl Acetate

Concen: 823.307 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:15057173

Ion Ratio Lower Upper

43 100

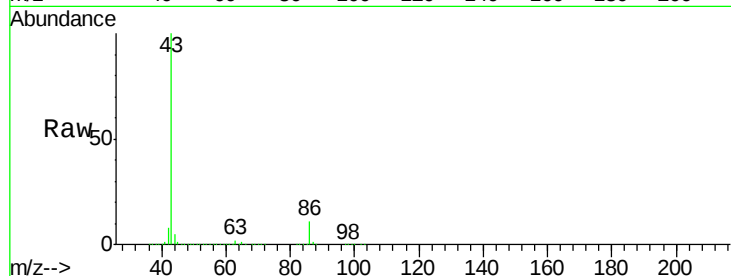
86 11.3 8.7 13.1

Manual Integrations

APPROVED

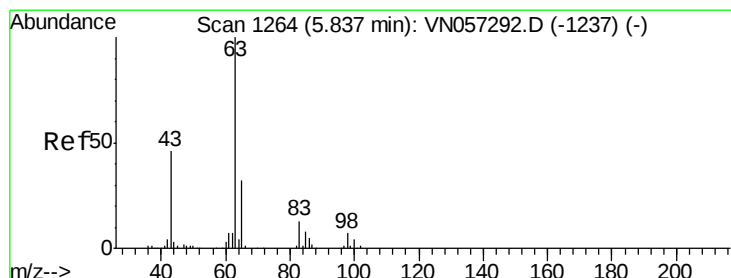
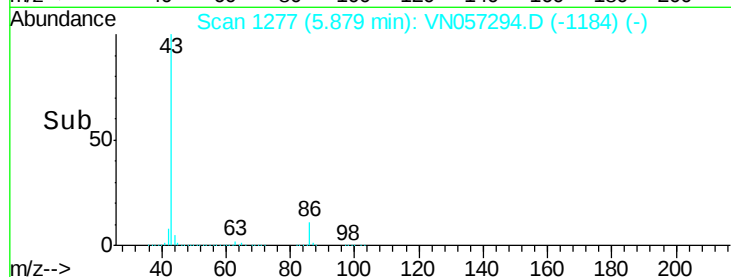
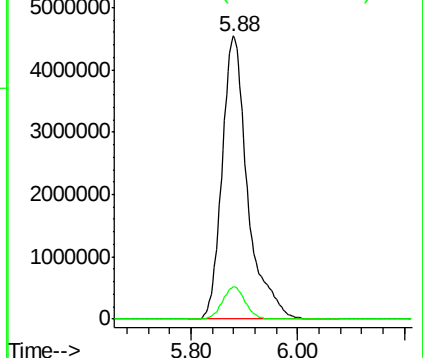
MMdadoda

8/19/2019 1:53:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 151.951 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

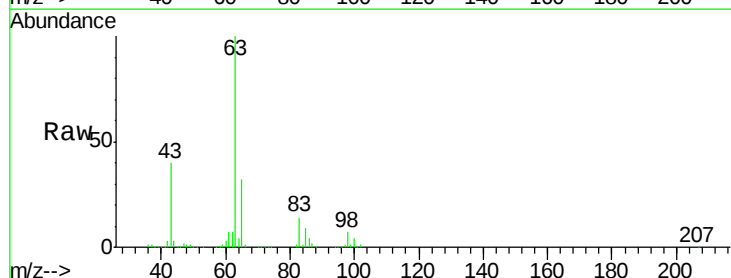
Tgt Ion: 63 Resp: 2194910

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

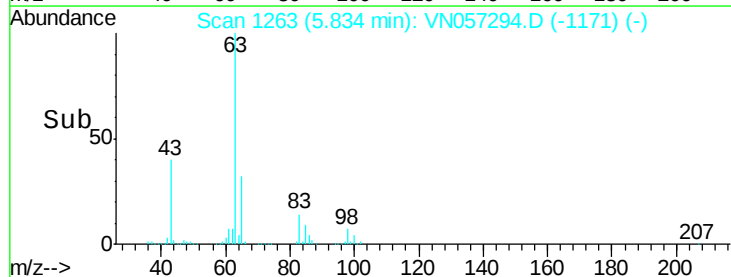
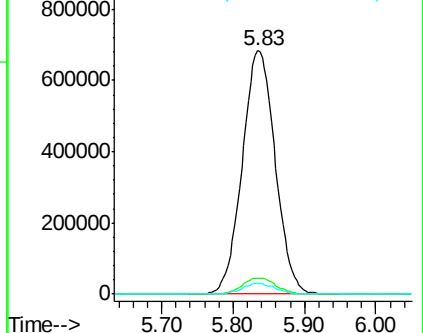
100 4.5 2.1 6.5

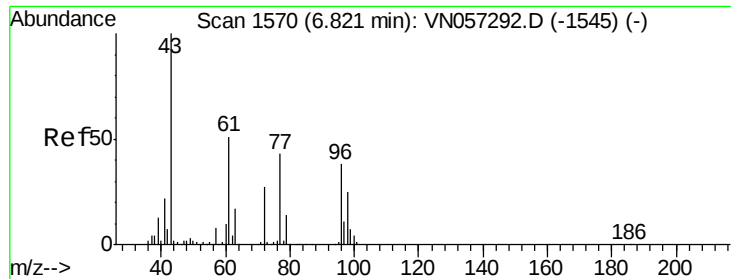


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 811.393 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3556388

Ion Ratio Lower Upper

43 100

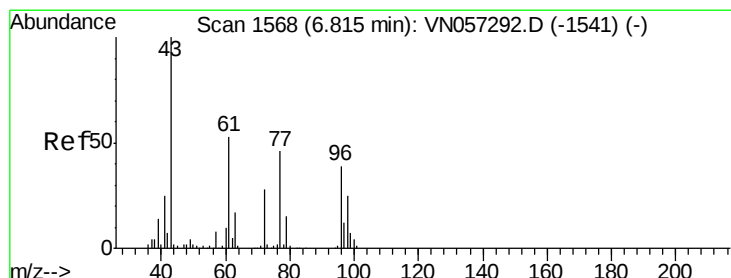
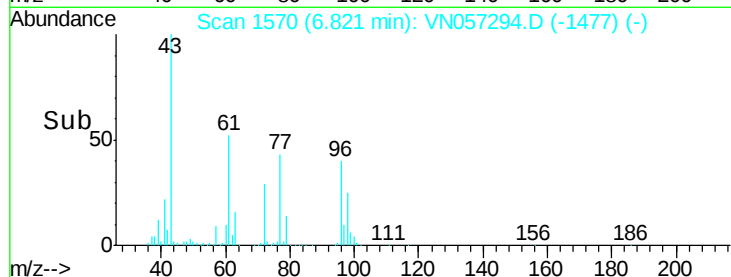
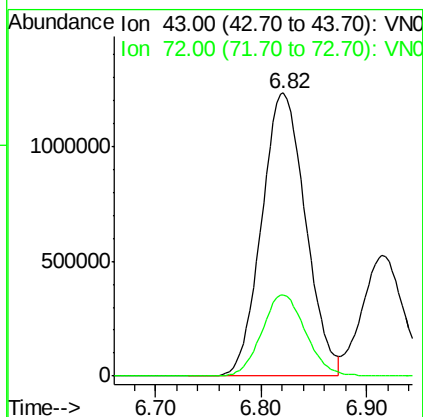
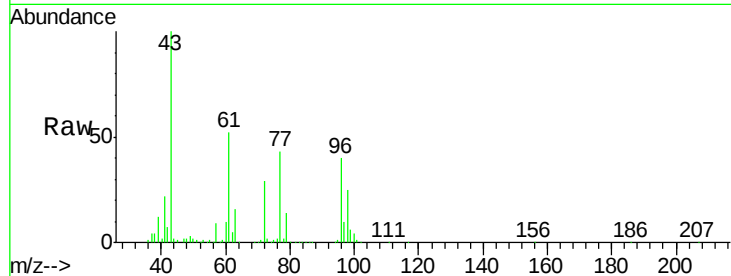
72 28.7 21.5 32.3

Manual Integrations

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MMdadoda

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#26

2,2-Dichloropropane

Concen: 154.270 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057294.D

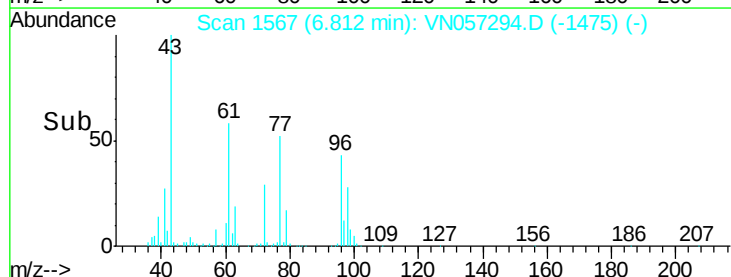
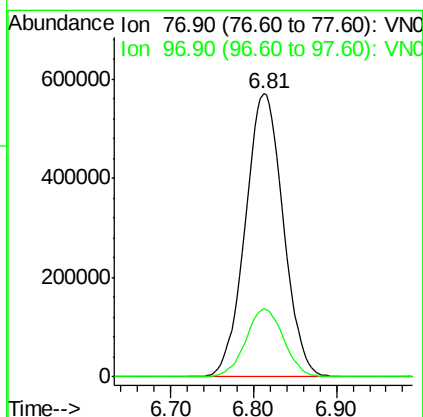
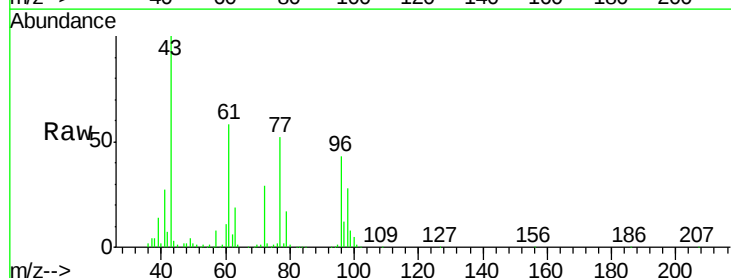
Acq: 14 Aug 2019 18:16

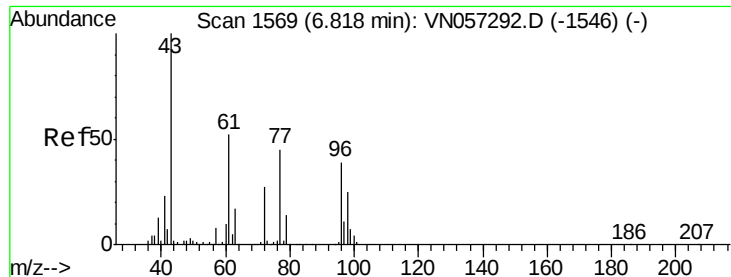
Tgt Ion: 77 Resp: 1818393

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 153.843 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1449483

Ion Ratio Lower Upper

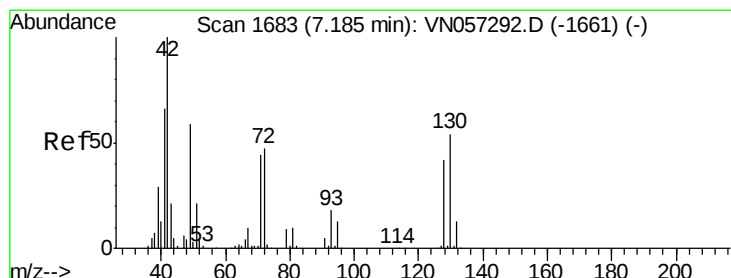
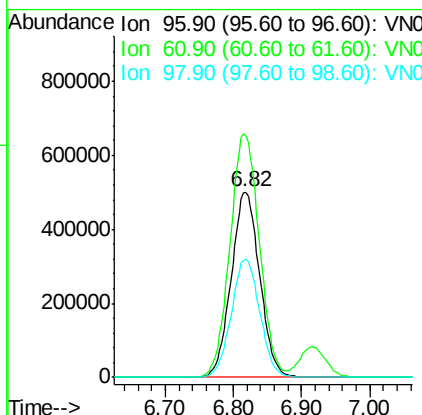
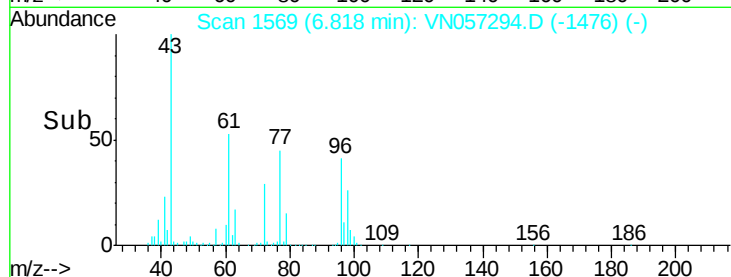
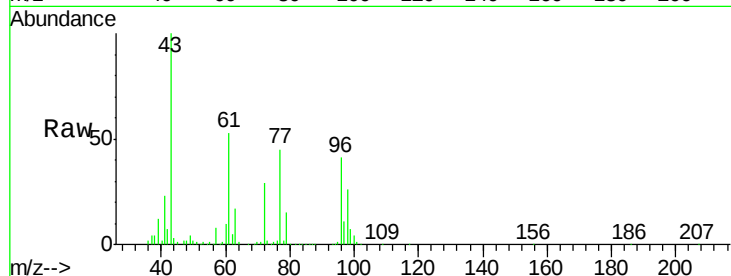
96 100

61 135.9 0.0 272.0

98 64.1 0.0 130.4

Manual Integrations
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MMdadoda
8/19/2019 1:53:20 AM



#28

Bromochloromethane

Concen: 150.850 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

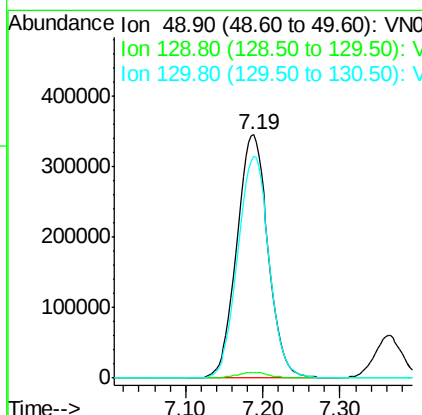
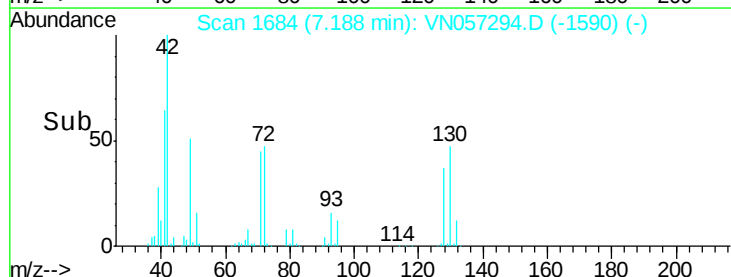
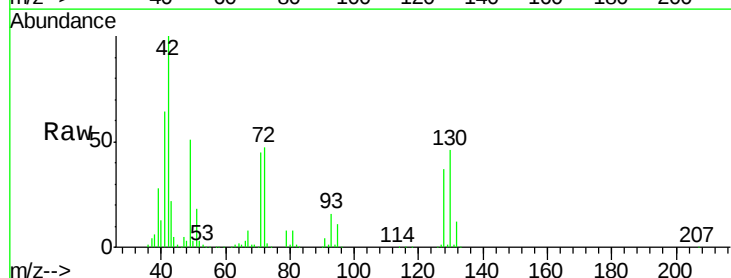
Tgt Ion: 49 Resp: 970468

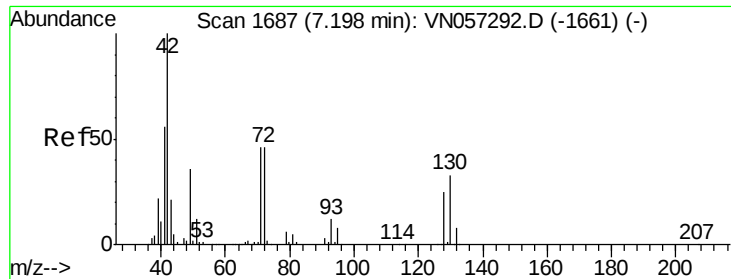
Ion Ratio Lower Upper

49 100

129 2.5 0.0 2.0#

130 91.4 73.2 109.8





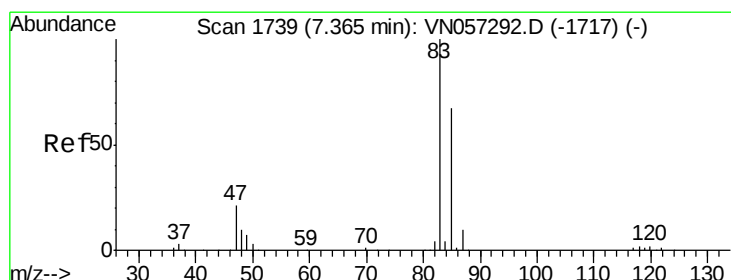
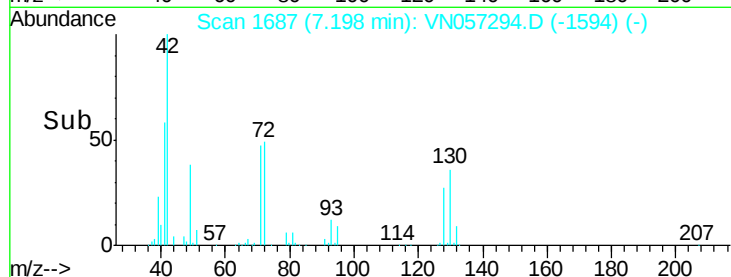
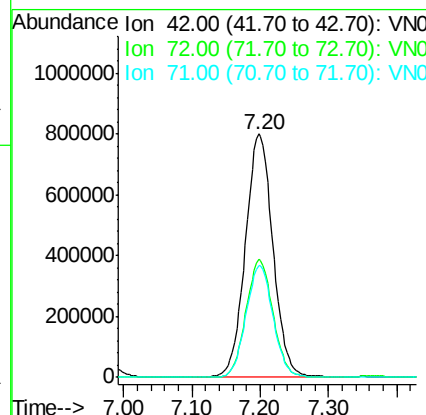
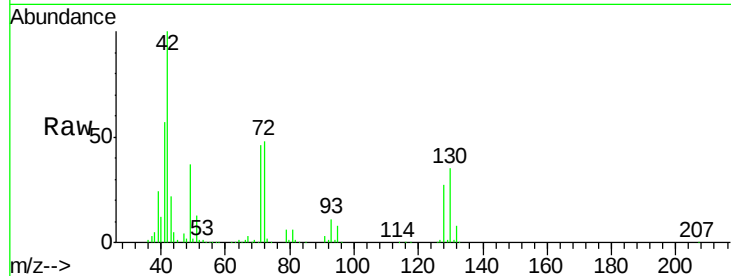
#29
Tetrahydrofuran
Concen: 801.314 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 2241746
Ion Ratio Lower Upper
42 100
72 47.7 37.8 56.6
71 45.2 35.7 53.5

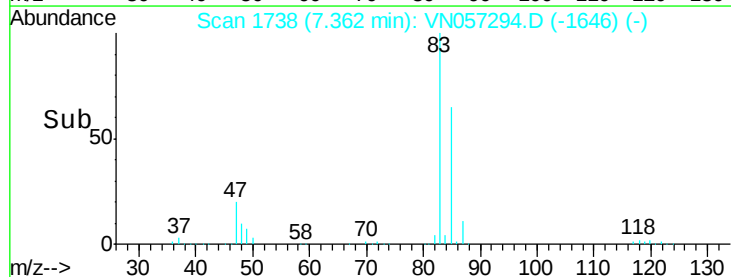
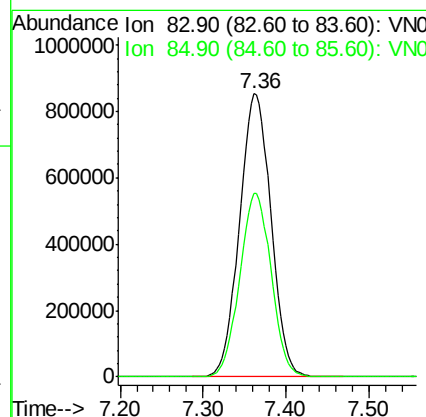
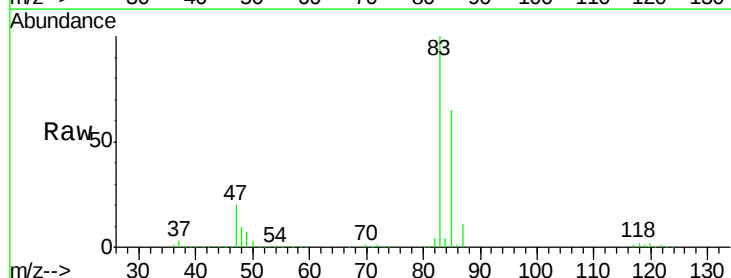
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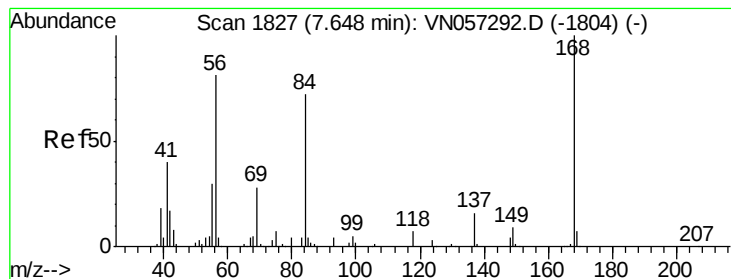
MMdadoda
8/19/2019 1:53:20 AM



#30
Chloroform
Concen: 148.996 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 83 Resp: 2252347
Ion Ratio Lower Upper
83 100
85 64.7 53.3 79.9





#31

Cyclohexane

Concen: 147.374 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1850542

Ion Ratio Lower Upper

56 100

69 32.1 27.3 40.9

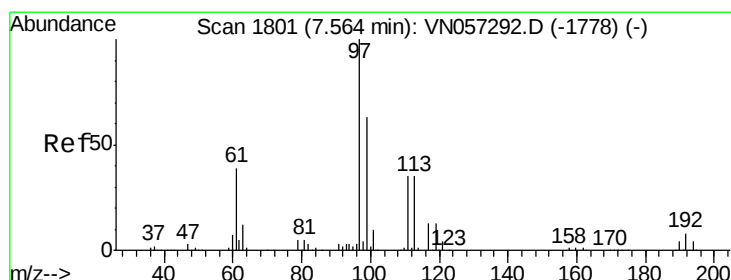
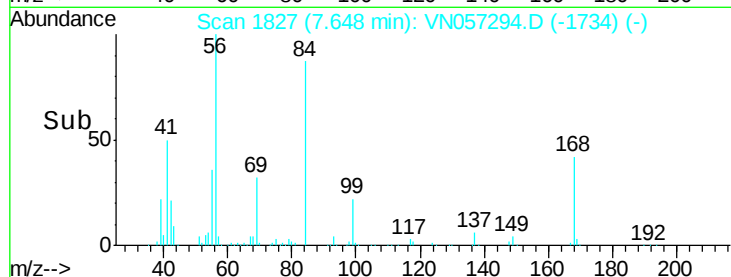
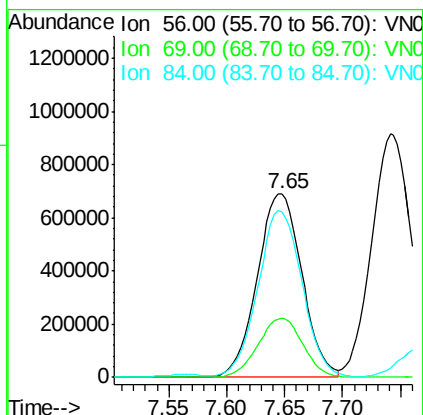
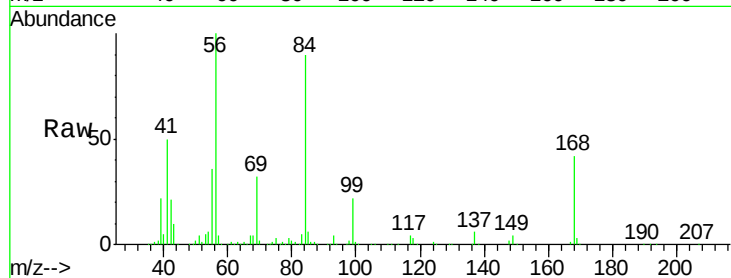
84 88.5 71.0 106.6

Manual Integrations

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MMdadoda

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#32

1,1,1-Trichloroethane

Concen: 157.865 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

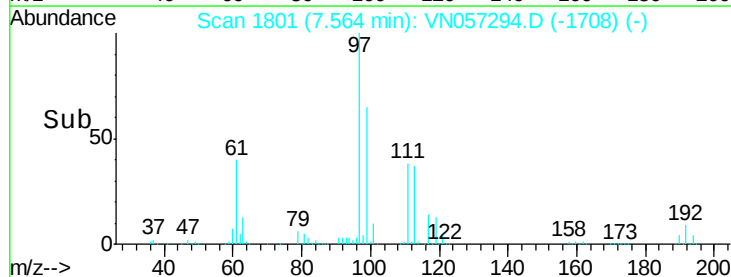
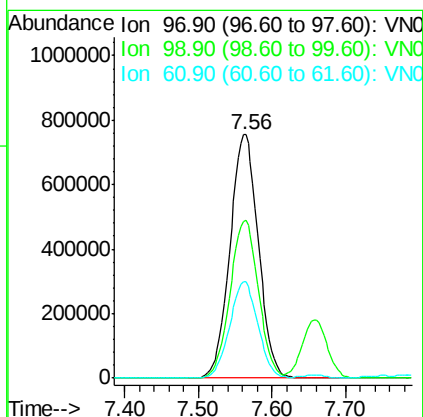
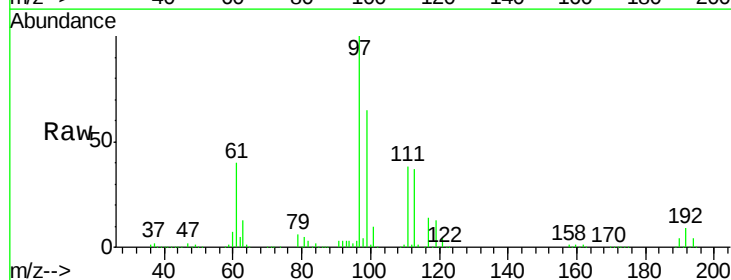
Tgt Ion: 97 Resp: 2017871

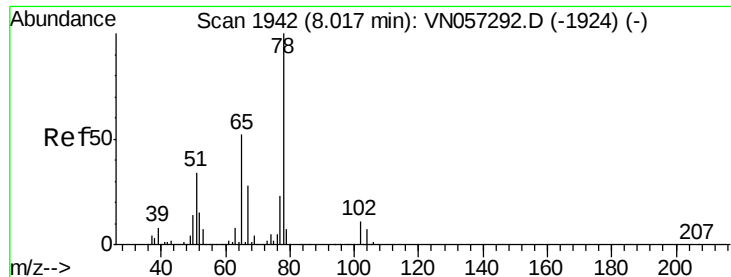
Ion Ratio Lower Upper

97 100

99 64.9 50.3 75.5

61 39.6 31.3 46.9





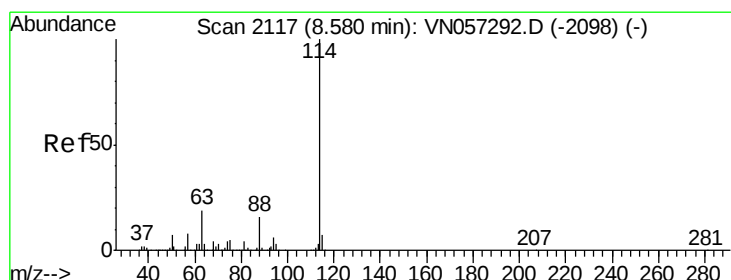
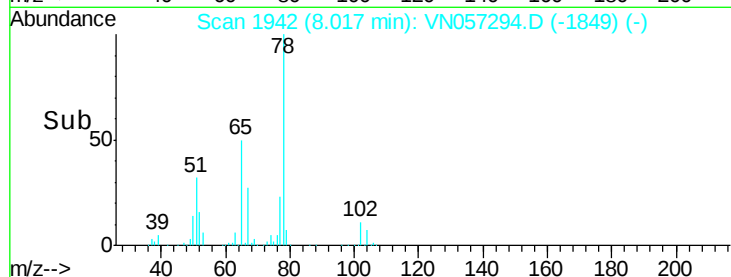
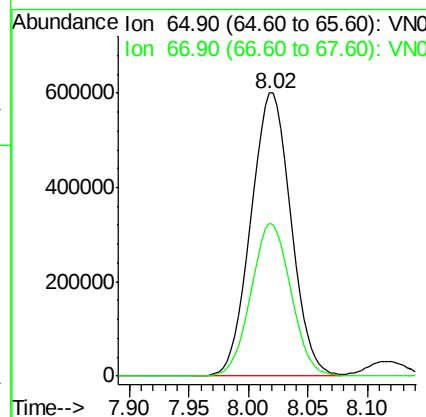
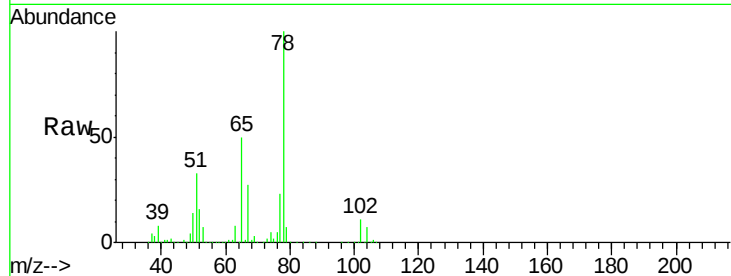
#33
 1,2-Dichloroethane-d4
 Concen: 158.049 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1404959
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.4

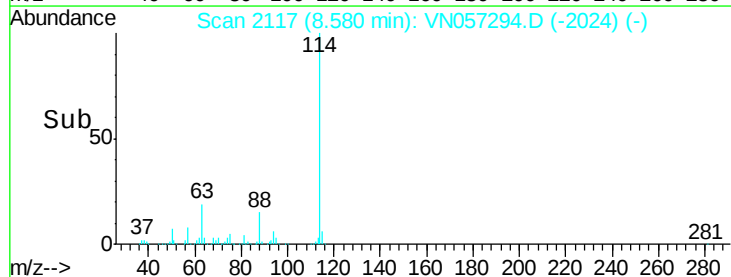
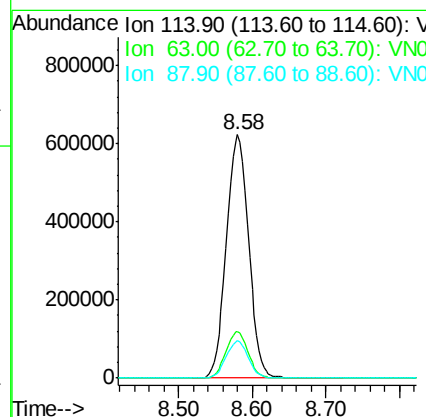
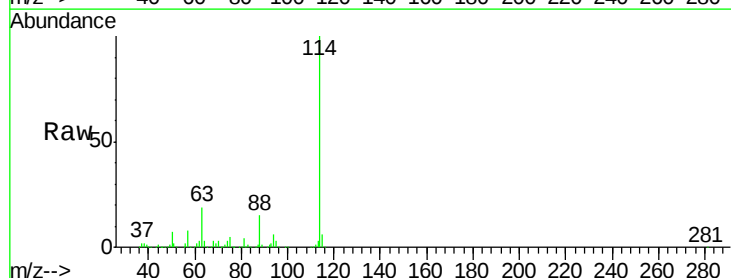
Manual Integrations
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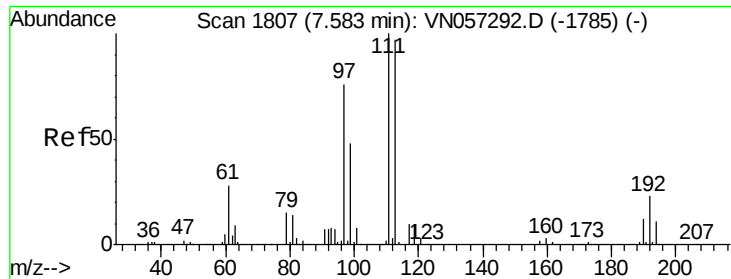
MMdadoda
 8/19/2019 1:53:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Tgt Ion: 114 Resp: 1310299
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 15.5 0.0 31.4





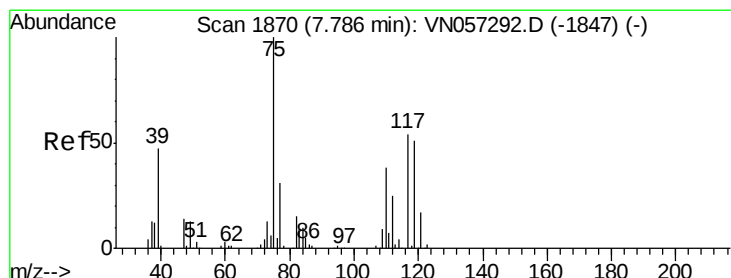
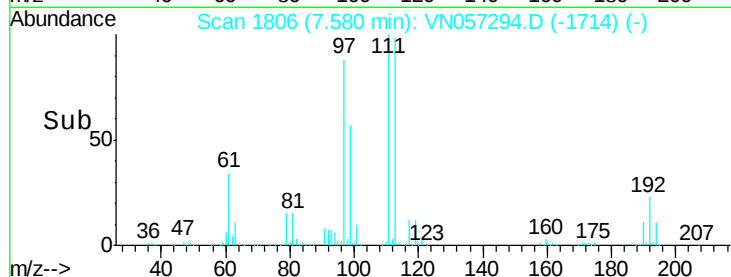
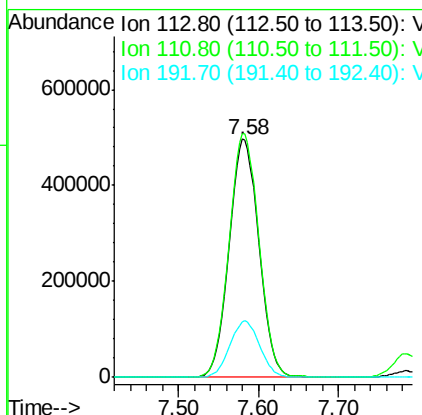
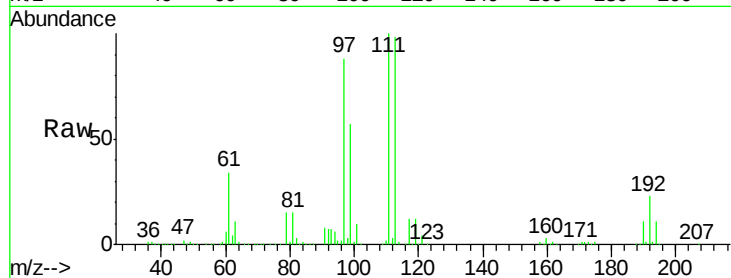
#35
 Dibromofluoromethane
 Concen: 150.708 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.1	123.1
192	23.7	19.3	28.9

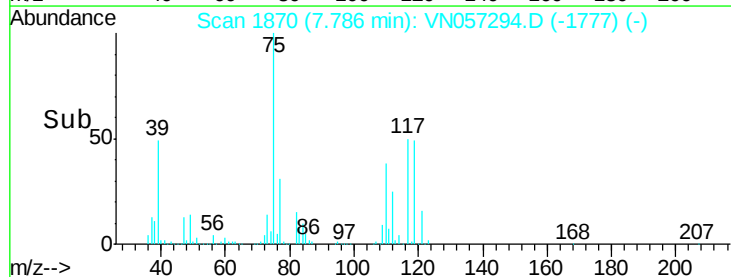
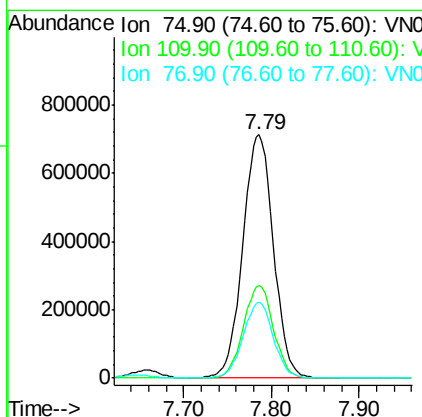
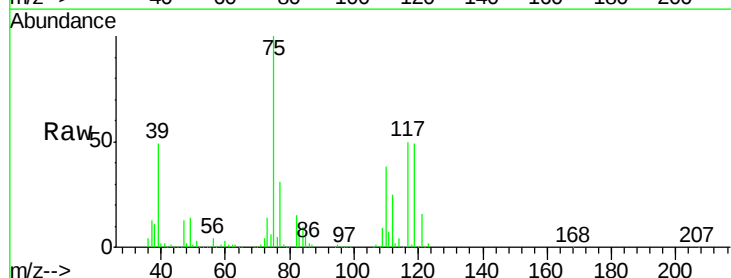
Manual Integrations
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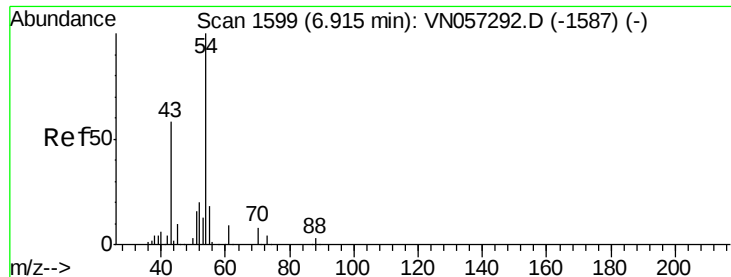
MMDadoda
 8/19/2019 1:53:20 AM



#36
 1,1-Dichloropropene
 Concen: 151.554 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.5	58.5
77	30.9	25.0	37.6





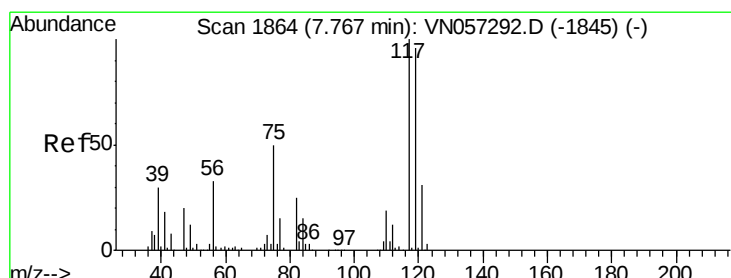
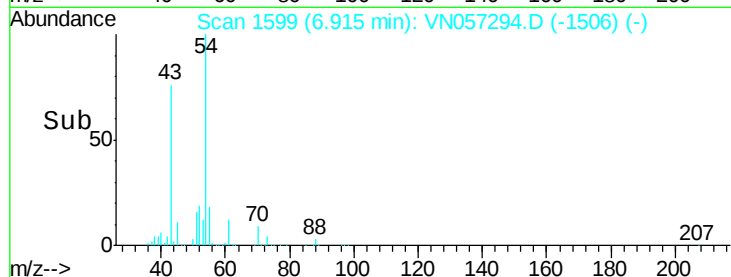
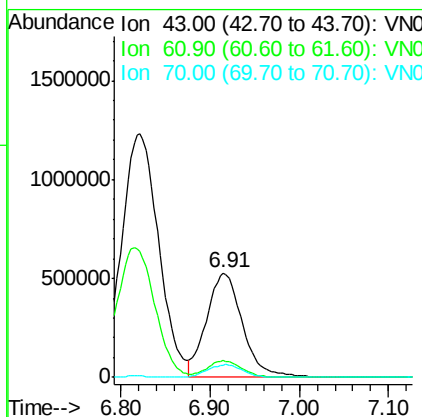
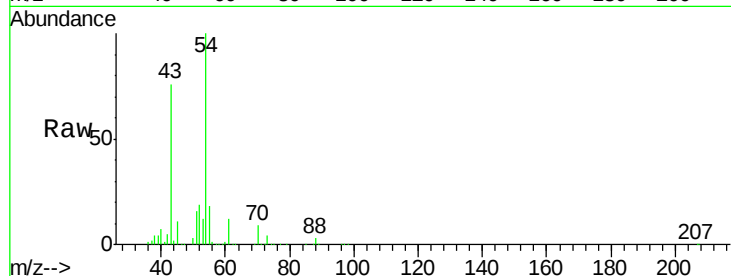
#37
Ethyl Acetate
Concen: 157.021 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1462010
Ion Ratio Lower Upper
43 100
61 15.3 12.0 18.0
70 11.8 9.2 13.8

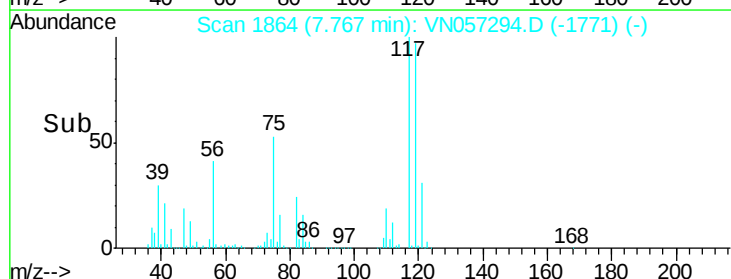
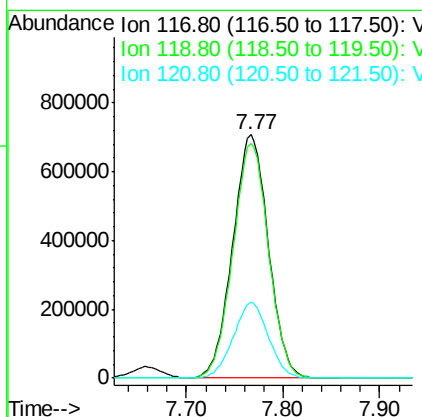
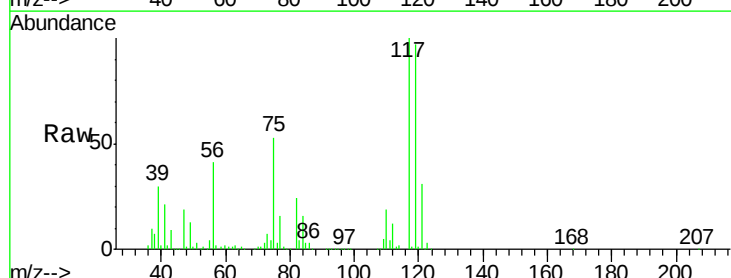
Manual Integrations
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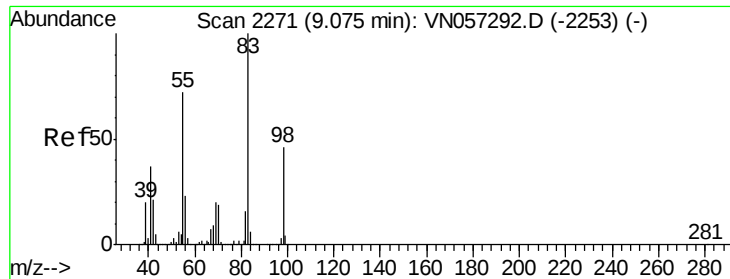
MMdadoda
8/19/2019 1:53:20 AM



#38
Carbon Tetrachloride
Concen: 149.412 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 117 Resp: 1807291
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2
121 31.0 25.0 37.4





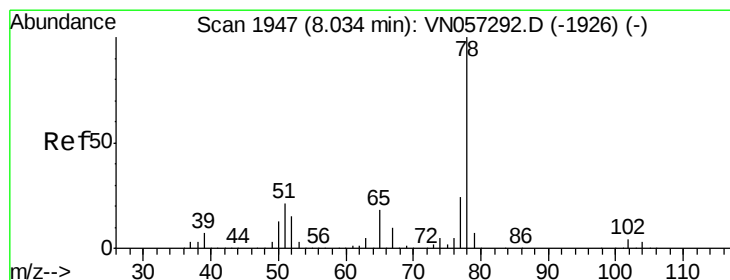
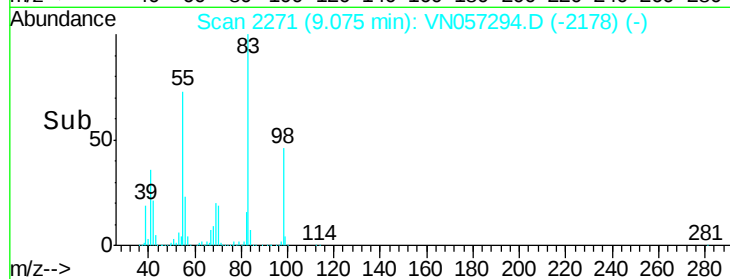
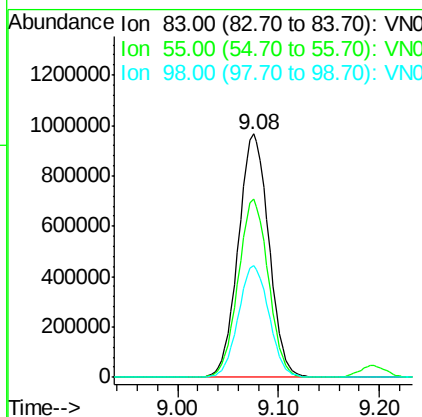
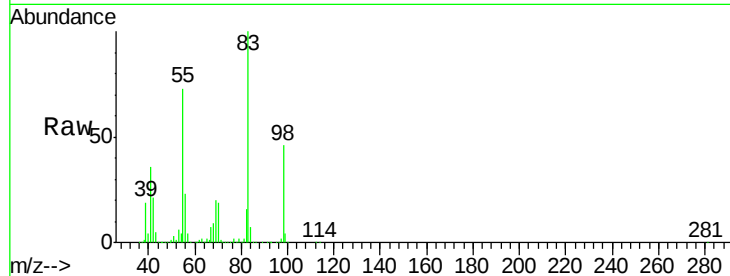
#39
Methylvlcyclohexane
Concen: 150.597 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	57.5	86.3
98	45.9	36.6	55.0

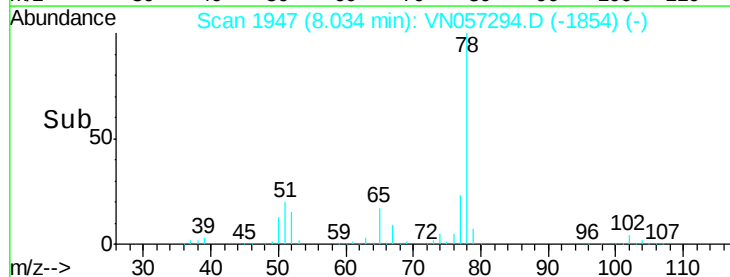
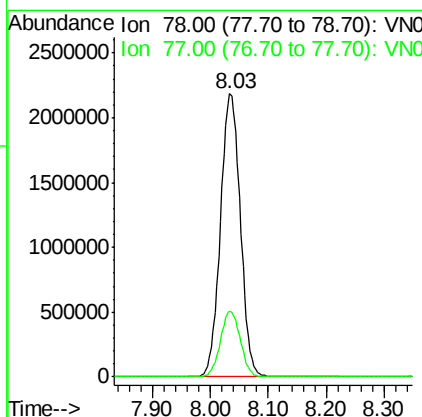
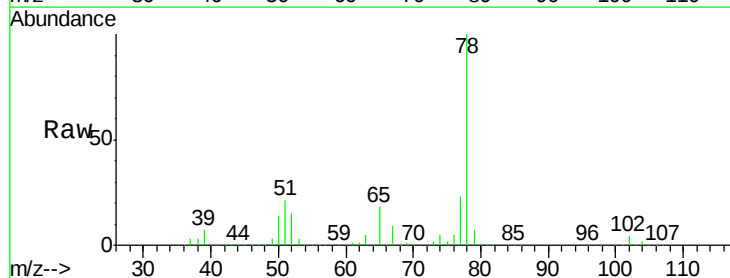
Manual Integrations
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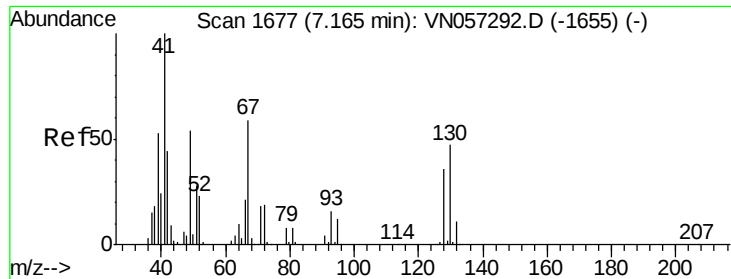
MMdadoda
8/19/2019 1:53:20 AM



#40
Benzene
Concen: 148.824 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





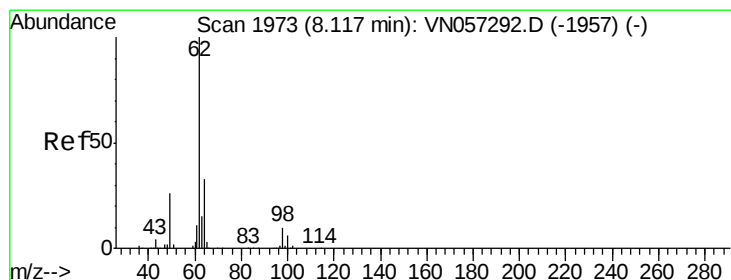
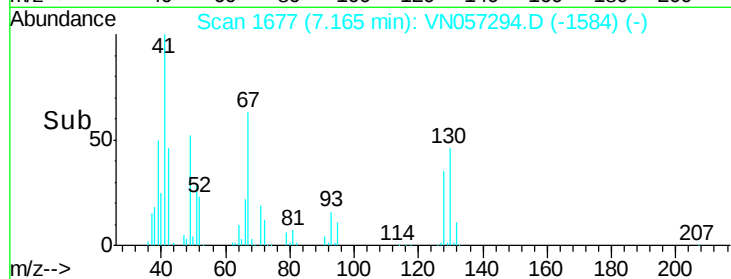
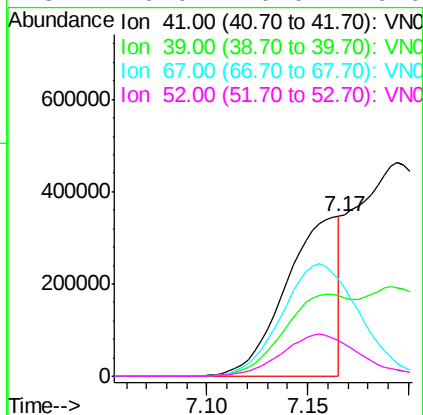
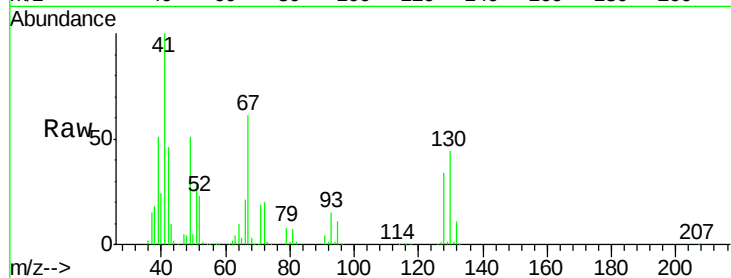
#41
Methacrylonitrile
Concen: 164.775 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	640888
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

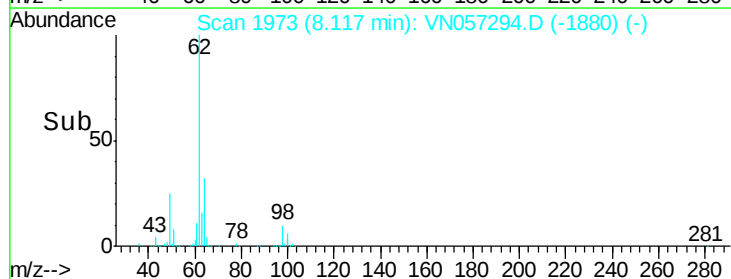
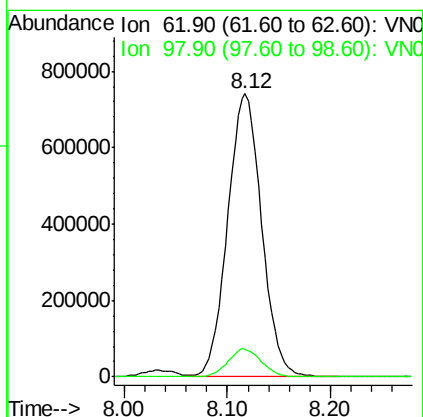
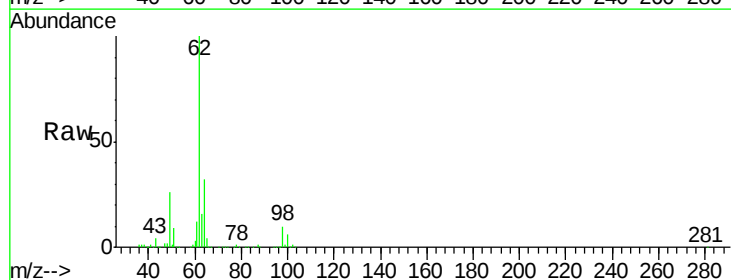
Manual Integrations
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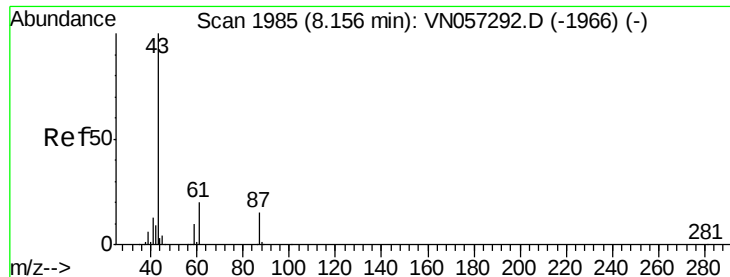
MMDadoda
8/19/2019 1:53:20 AM



#42
1,2-Dichloroethane
Concen: 151.741 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	62	Resp	1694356
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 165.521 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2561322

Ion Ratio Lower Upper

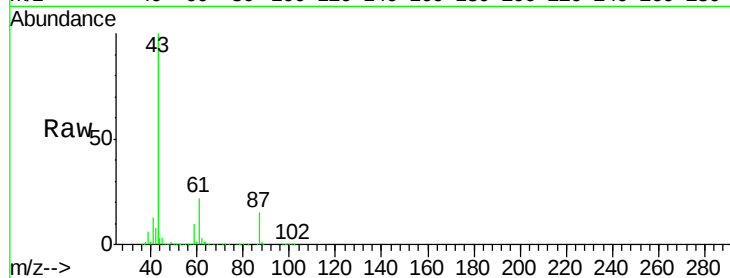
43 100

61 28.1 21.6 32.4

87 14.6 11.4 17.0

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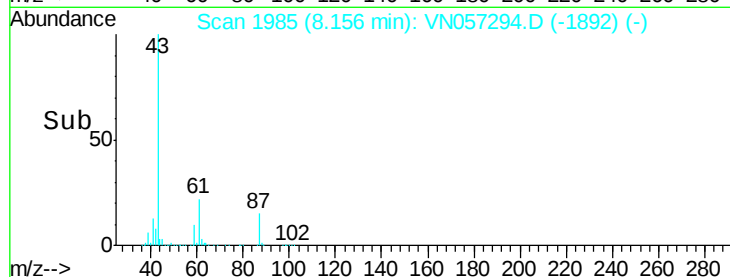


Abundance Ion 43.00 (42.70 to 43.70): VN057294.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057294.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057294.D (-1966) (-)

Time-->



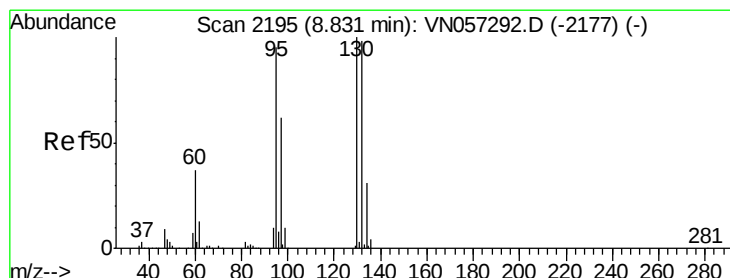
Abundance

Ion 43.00 (42.70 to 43.70): VN057294.D (-1892) (-)

Ion 61.00 (60.70 to 61.70): VN057294.D (-1892) (-)

Ion 87.00 (86.70 to 87.70): VN057294.D (-1892) (-)

Time-->



#44

Trichloroethene

Concen: 146.126 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057294.D

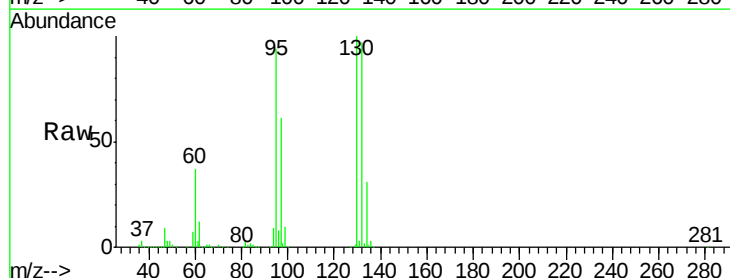
Acq: 14 Aug 2019 18:16

Tgt Ion:130 Resp: 1463725

Ion Ratio Lower Upper

130 100

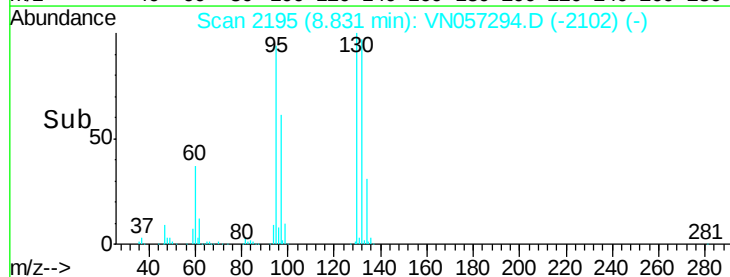
95 94.4 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057294.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057294.D (-2177) (-)

Time-->

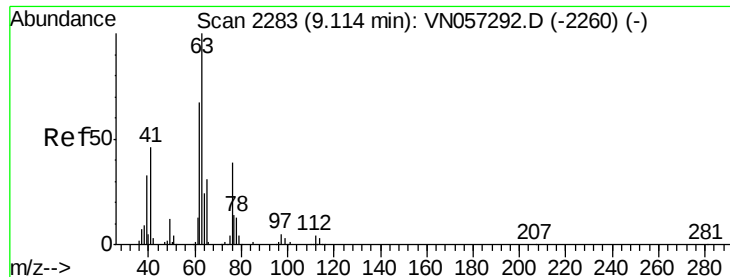


Abundance

Ion 129.80 (129.50 to 130.50): VN057294.D (-2102) (-)

Ion 94.90 (94.60 to 95.60): VN057294.D (-2102) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 153.788 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1356517

Ion Ratio Lower Upper

63 100

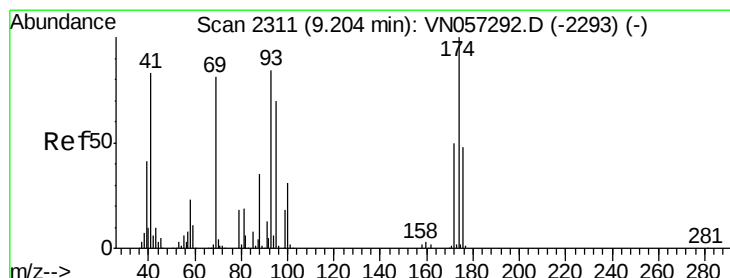
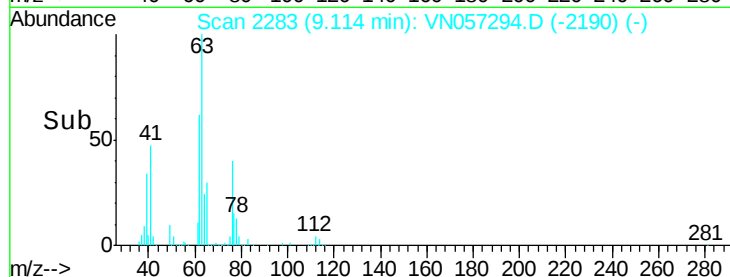
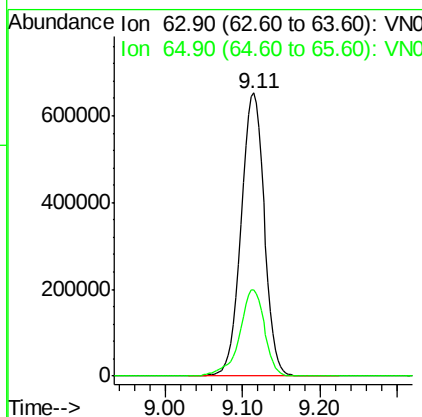
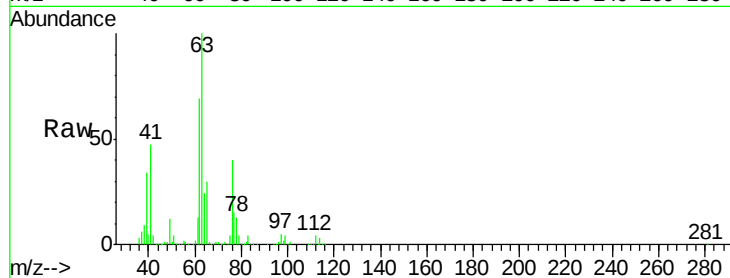
65 30.4 24.8 37.2

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#46

Dibromomethane

Concen: 149.510 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

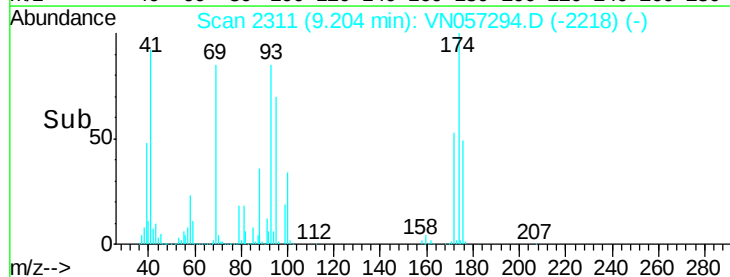
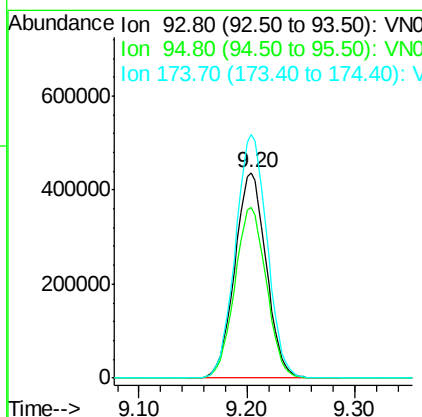
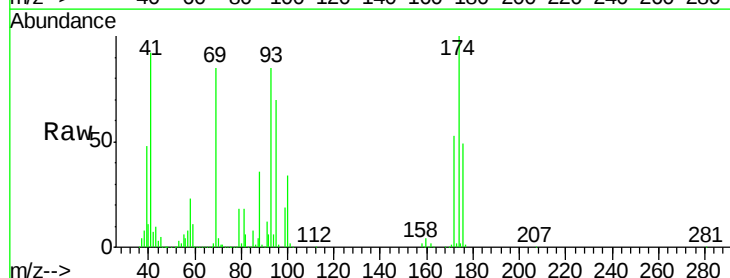
Tgt Ion: 93 Resp: 886856

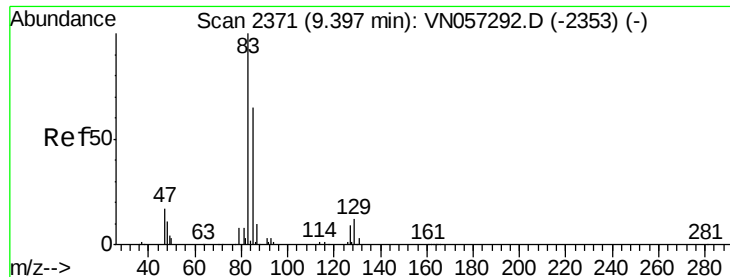
Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

174 119.5 95.7 143.5





#47

Bromodichloromethane

Concen: 160.091 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1834562

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

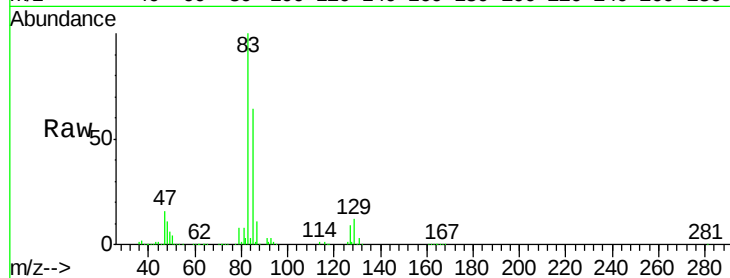
127 9.4 7.2 10.8

Manual Integrations

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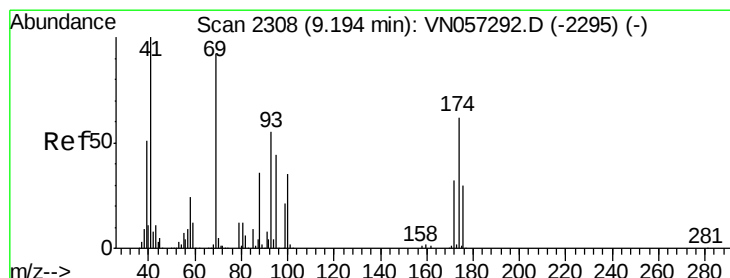
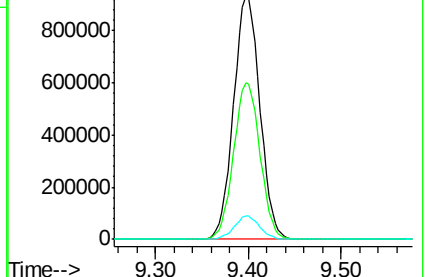
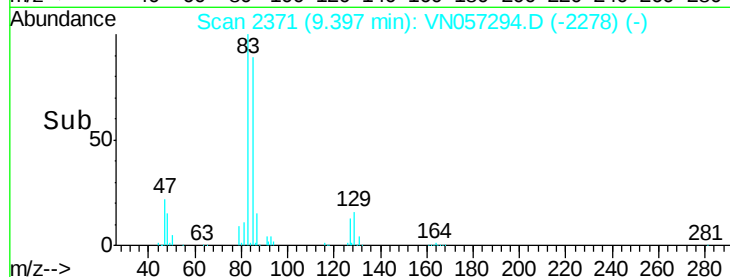
8/19/2019 1:53:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057294.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057294.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057294.D (-2278) (-)



#48

Methyl methacrylate

Concen: 170.213 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

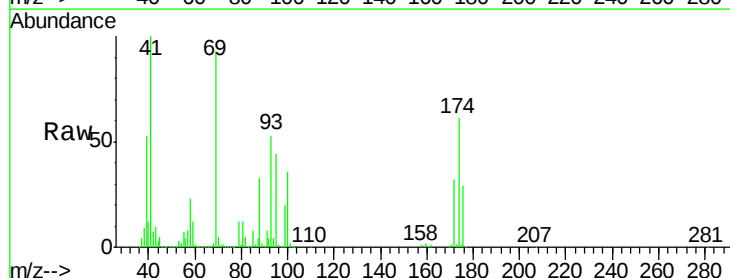
Tgt Ion: 41 Resp: 1207900

Ion Ratio Lower Upper

41 100

69 95.4 75.9 113.9

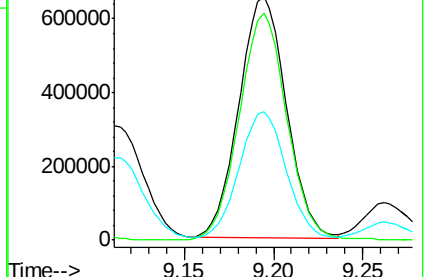
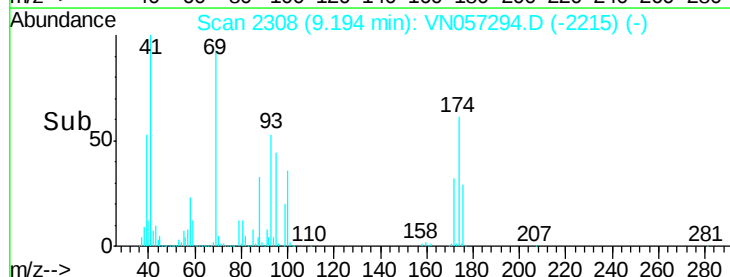
39 53.7 42.3 63.5

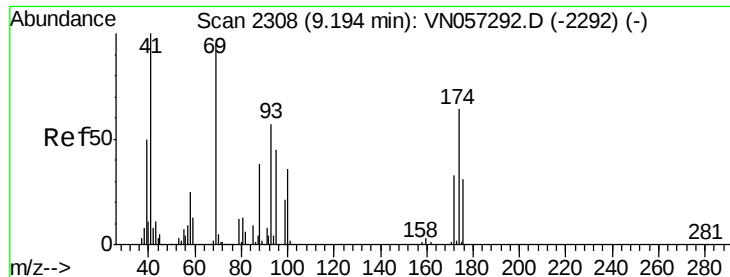


Abundance Ion 41.00 (40.70 to 41.70): VN057294.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057294.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057294.D (-2215) (-)





#49

1,4-Dioxane

Concen: 3042.632 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 484958

Ion Ratio Lower Upper

88 100

43 27.8 22.9 34.3

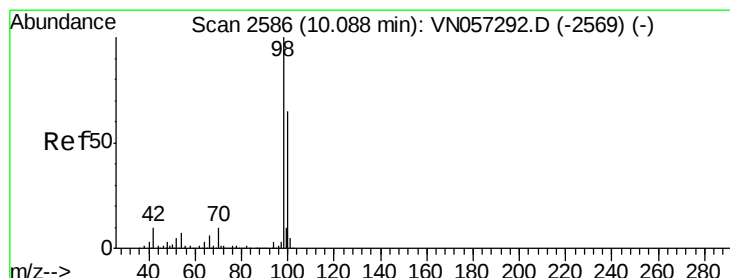
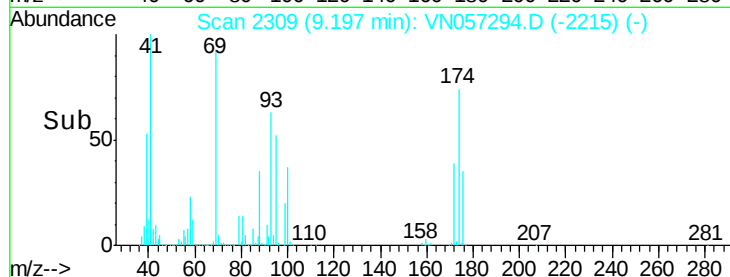
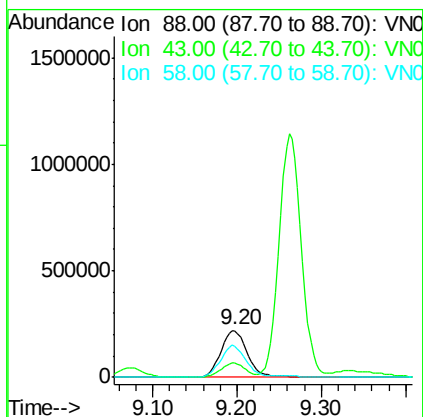
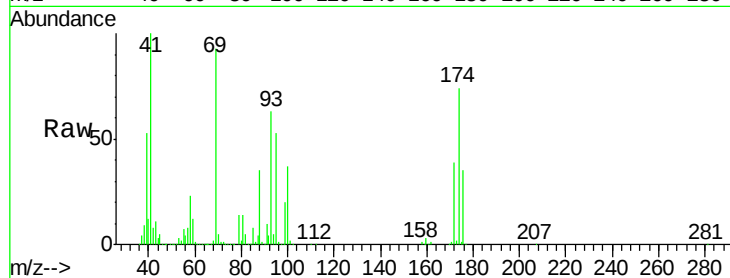
58 64.8 52.7 79.1

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#50

Toluene-d8

Concen: 157.351 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057294.D

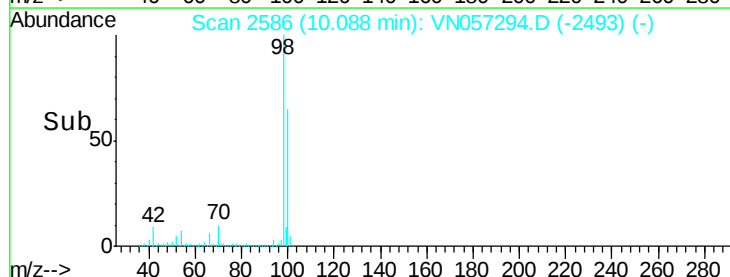
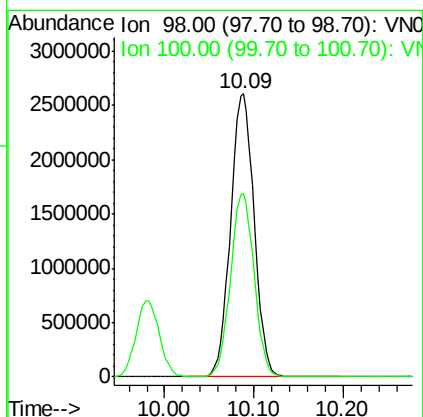
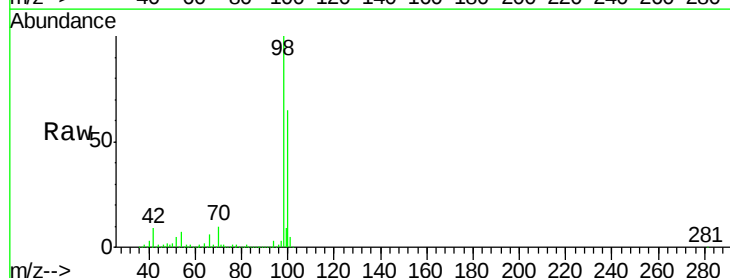
Acq: 14 Aug 2019 18:16

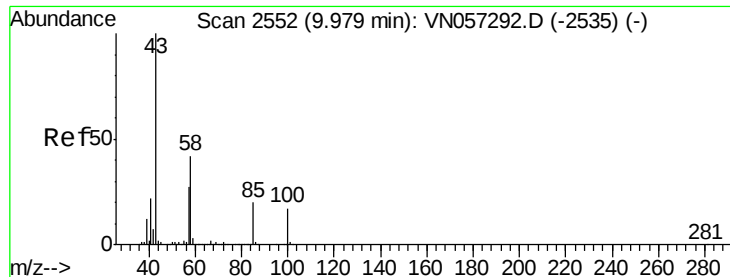
Tgt Ion: 98 Resp: 4758120

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 834.510 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7520522

Ion Ratio Lower Upper

43 100

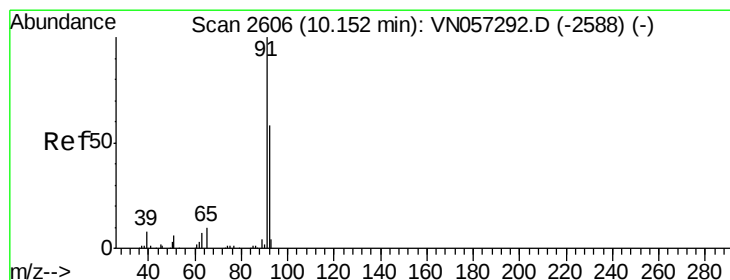
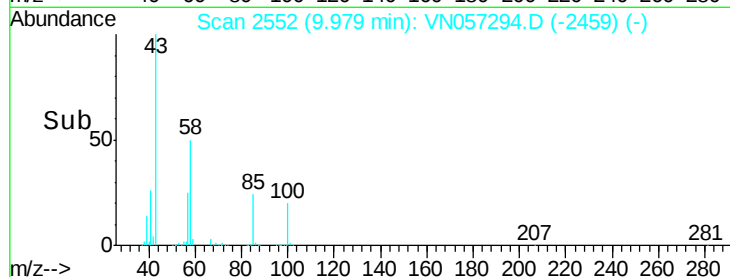
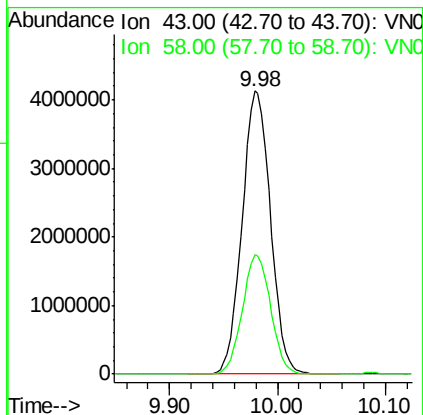
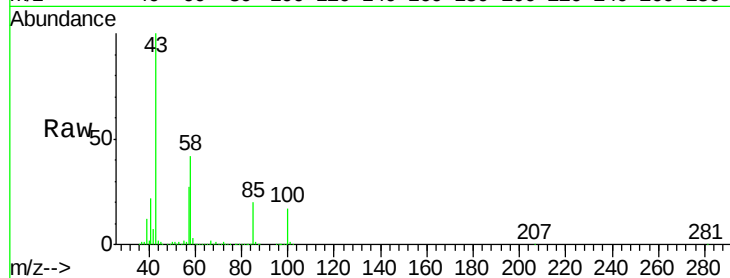
58 42.0 33.2 49.8

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#52

Toluene

Concen: 153.434 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057294.D

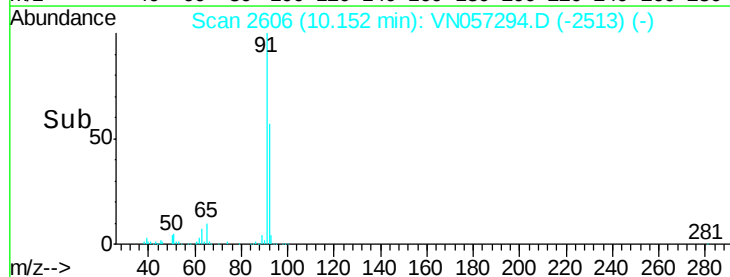
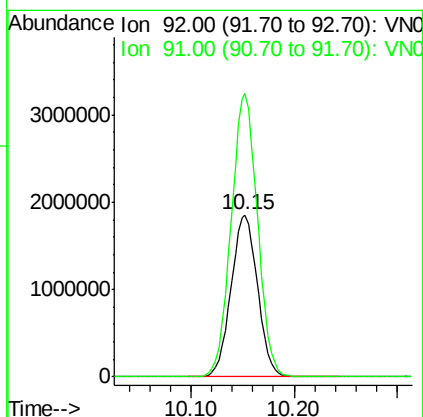
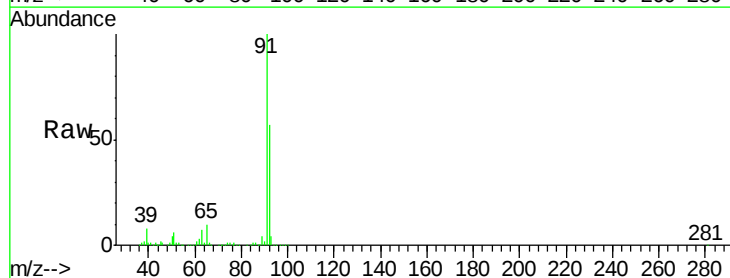
Acq: 14 Aug 2019 18:16

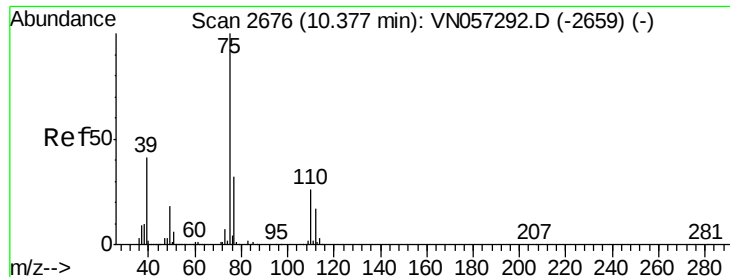
Tgt Ion: 92 Resp: 3309027

Ion Ratio Lower Upper

92 100

91 174.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 168.863 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 2069408

Ion Ratio Lower Upper

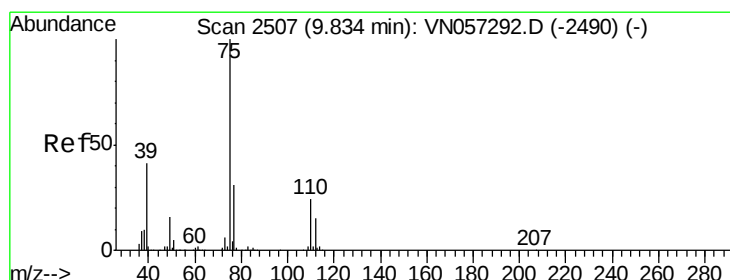
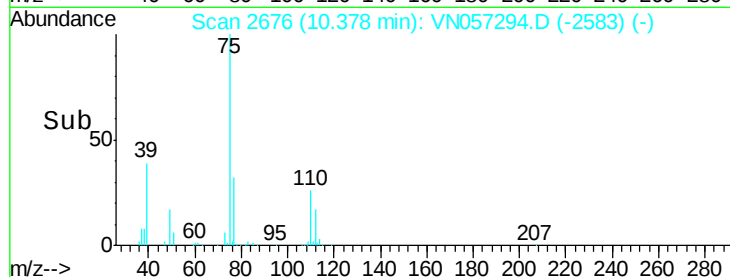
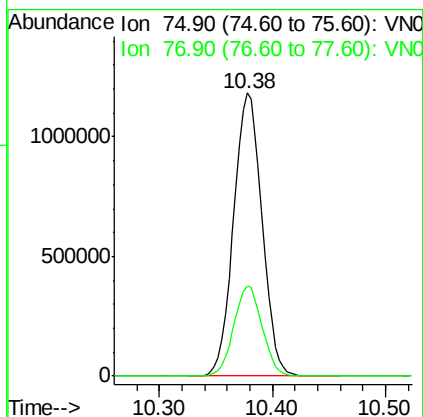
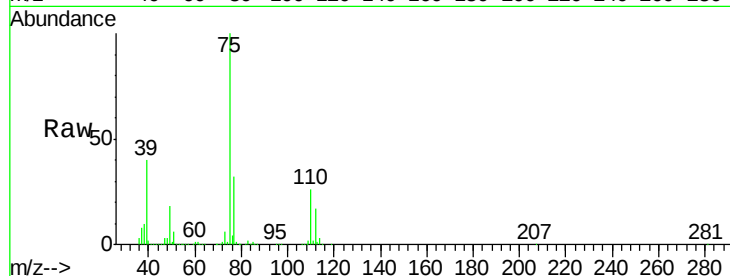
75 100

77 31.8 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 161.508 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

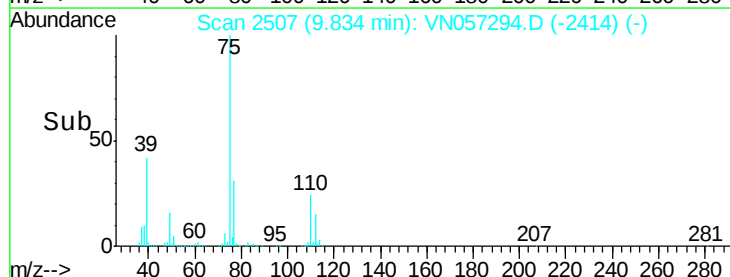
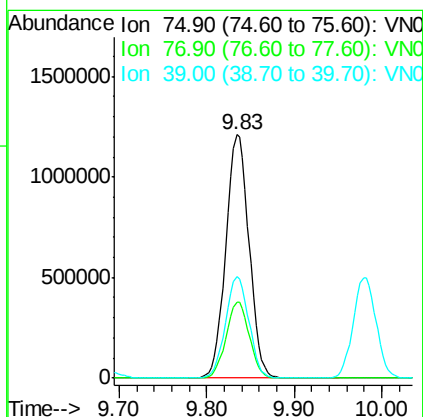
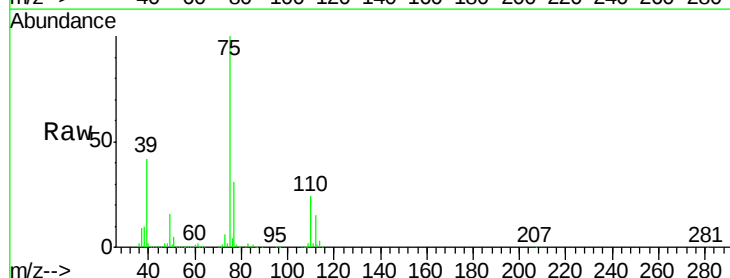
Tgt Ion: 75 Resp: 2229889

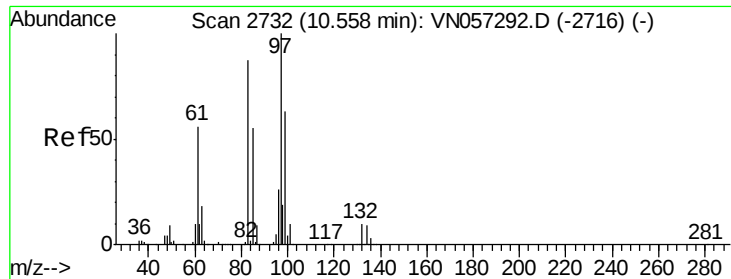
Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3

39 41.7 32.7 49.1





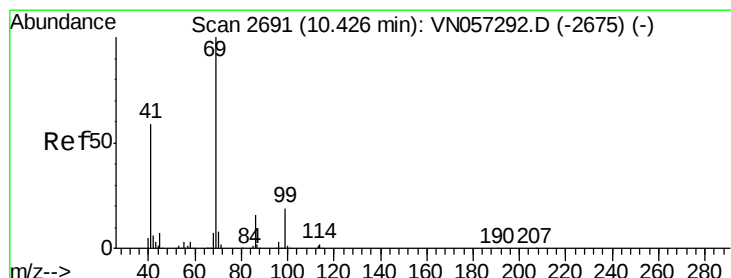
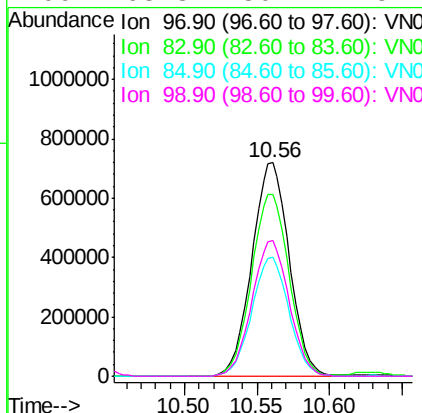
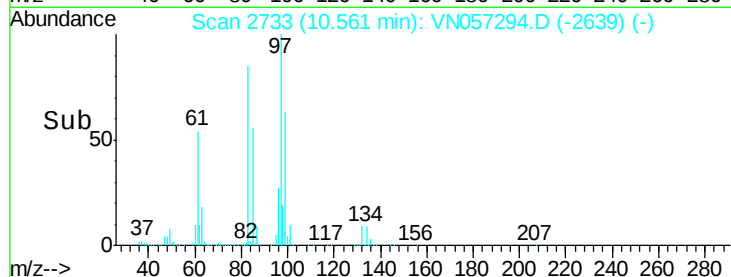
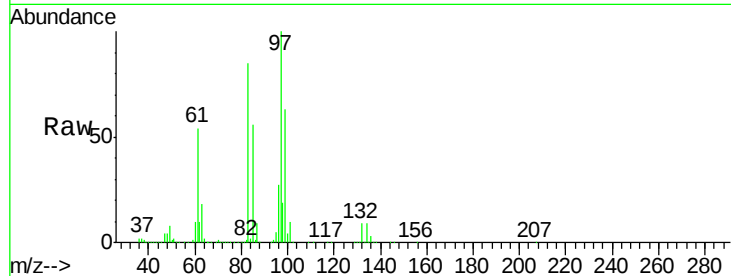
#55
 1,1,2-Trichloroethane
 Concen: 152.344 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	1289556
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.8	104.8
85	55.6	44.1	66.1
99	63.3	50.2	75.2

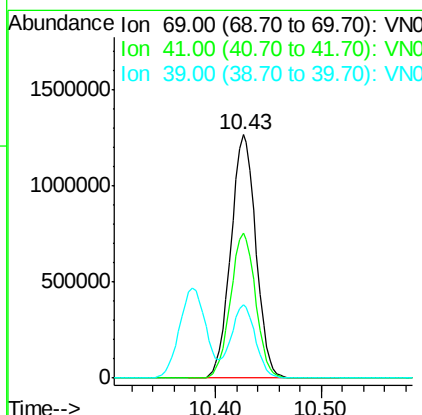
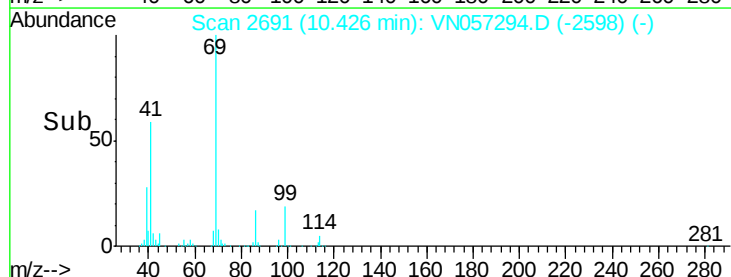
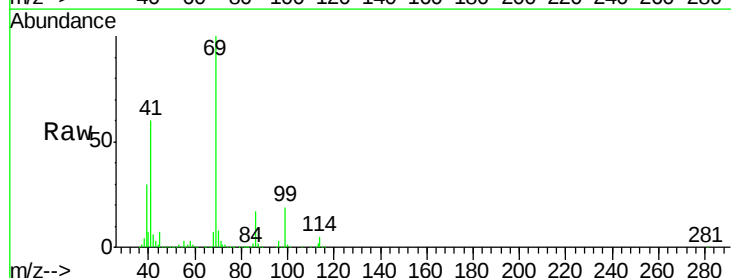
Manual Integrations
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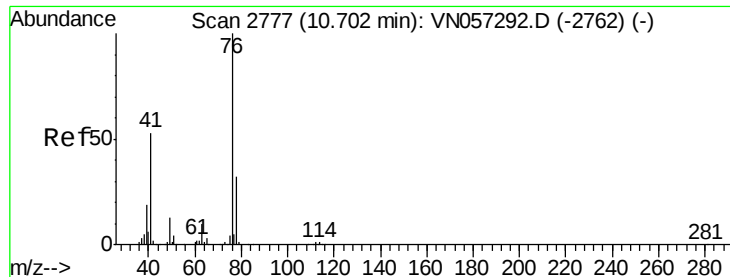
MMdadoda
 8/19/2019 1:53:20 AM



#56
 Ethyl methacrylate
 Concen: 174.078 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Tgt Ion:	69	Resp:	2079862
Ion	Ratio	Lower	Upper
69	100		
41	59.5	48.2	72.2
39	29.3	23.4	35.0





#57

1,3-Dichloropropane

Concen: 153.809 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2149703

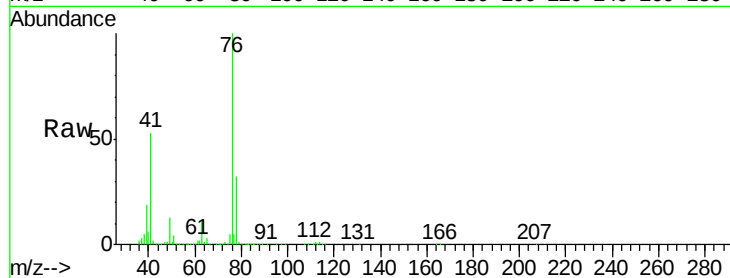
Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4

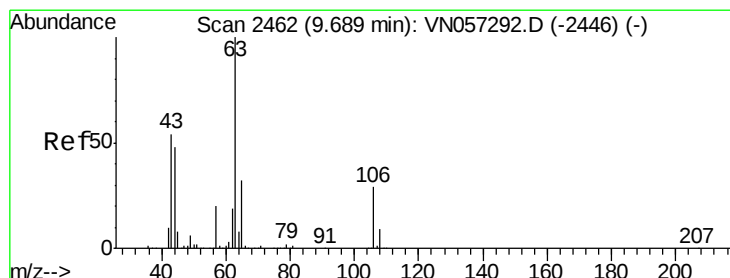
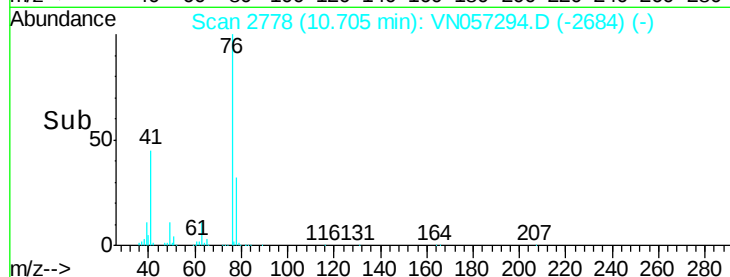
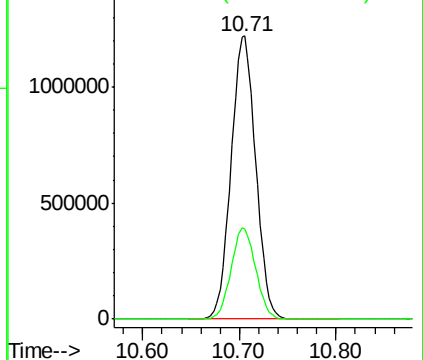
Manual Integrations
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8/19/2019 1:53:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 998.476 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057294.D

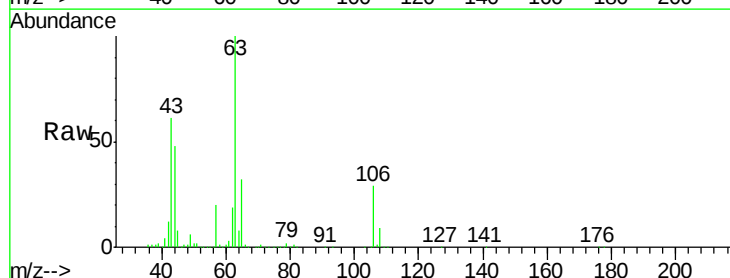
Acq: 14 Aug 2019 18:16

Tgt Ion: 63 Resp: 3000135

Ion Ratio Lower Upper

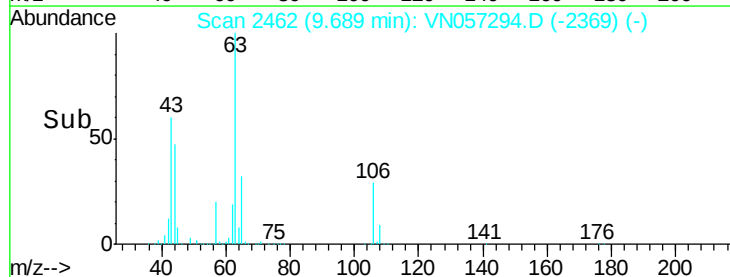
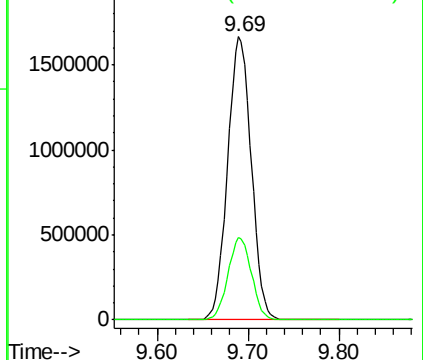
63 100

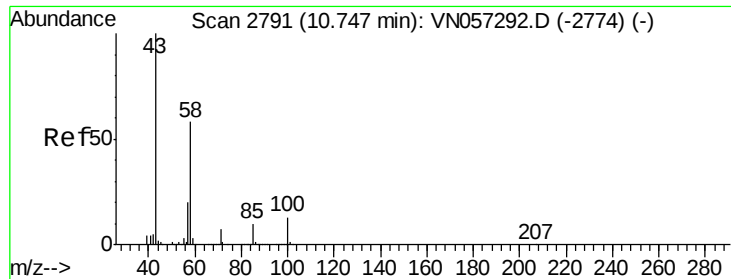
106 28.9 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





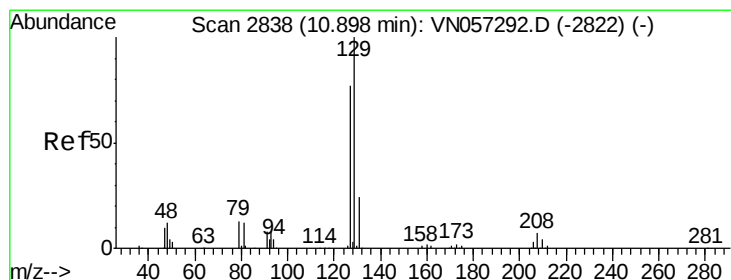
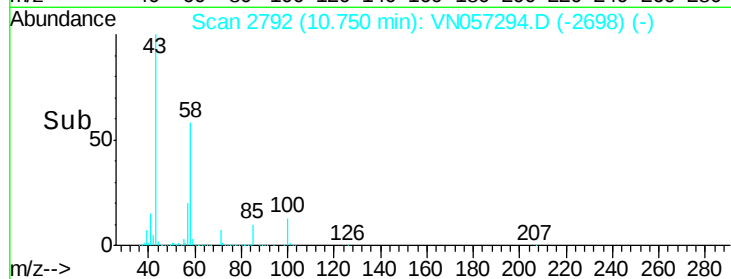
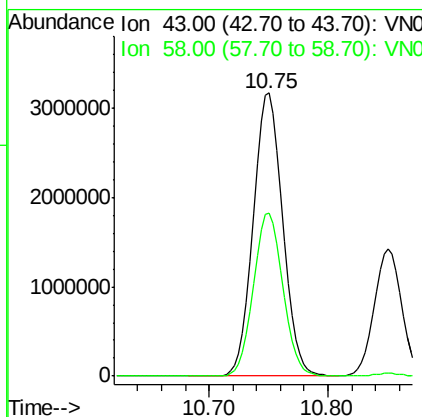
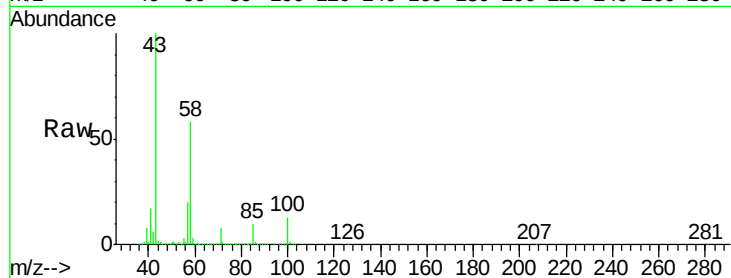
#59
2-Hexanone
Concen: 848.145 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5432185
Ion Ratio Lower Upper
43 100
58 57.6 28.6 85.9

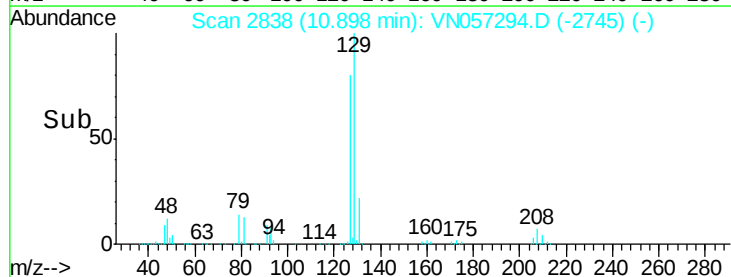
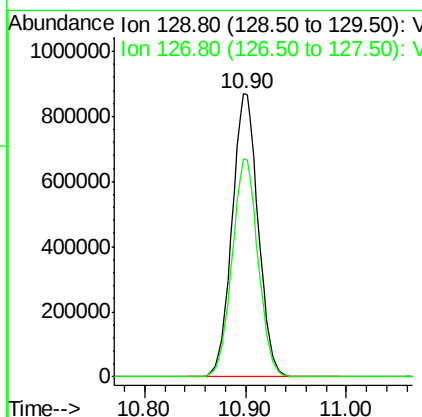
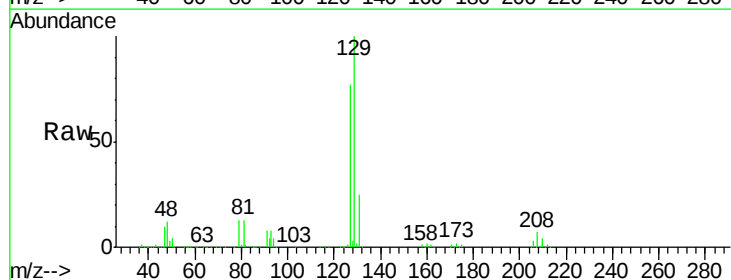
Manual Integrations
APPROVED

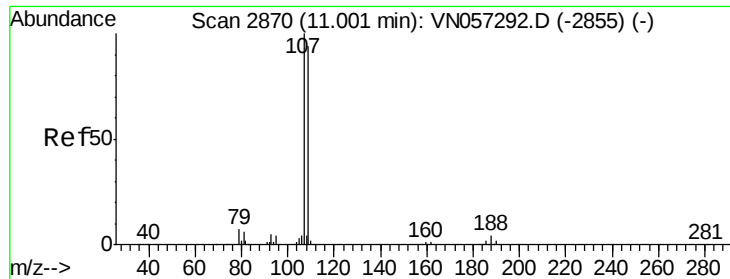
MMdadoda
8/19/2019 1:53:20 AM



#60
Dibromochloromethane
Concen: 163.949 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 129 Resp: 1556865
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





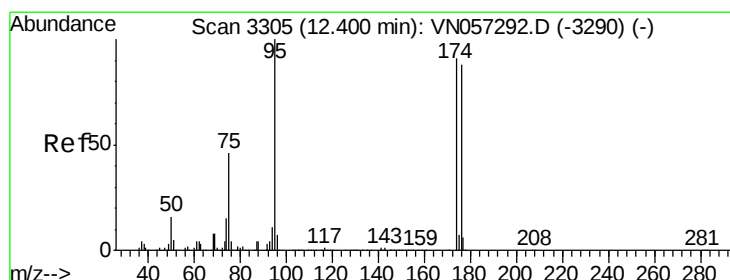
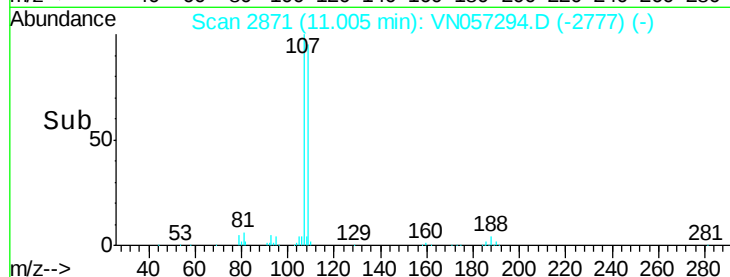
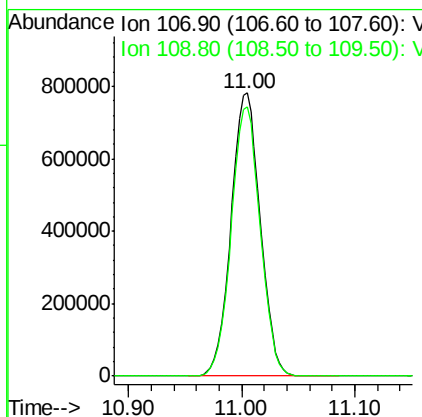
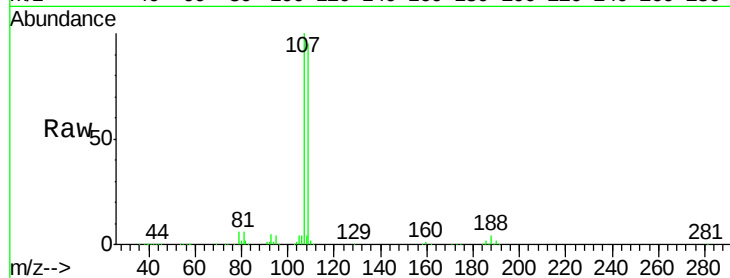
#61
 1,2-Dibromoethane
 Concen: 158.922 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1397791
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5

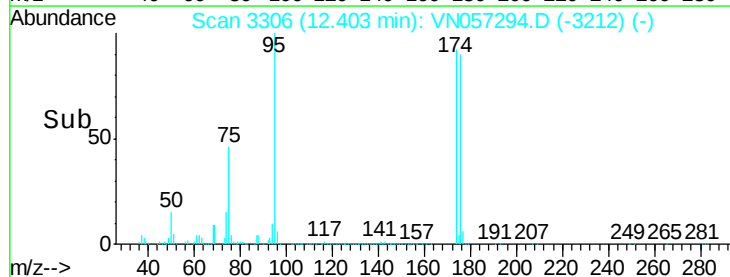
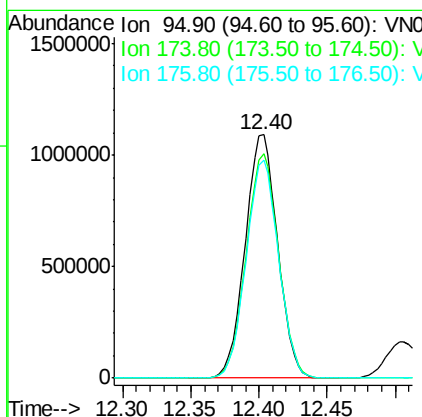
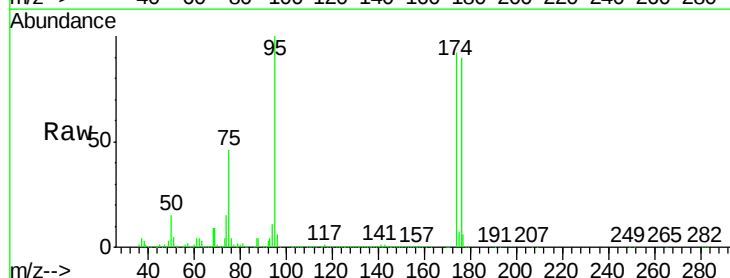
Manual Integrations
 APPROVED

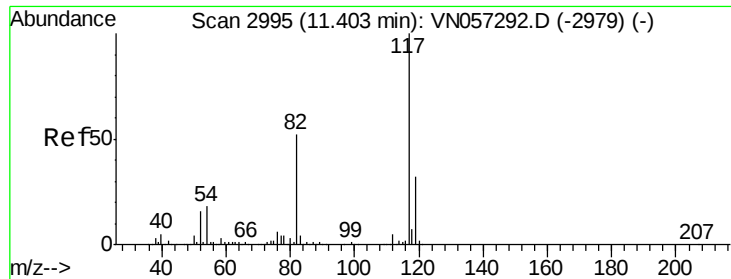
MMdadoda
 8/19/2019 1:53:20 AM



#62
 4-Bromofluorobenzene
 Concen: 172.656 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Tgt Ion: 95 Resp: 1800213
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 185.0
 176 89.5 0.0 181.0





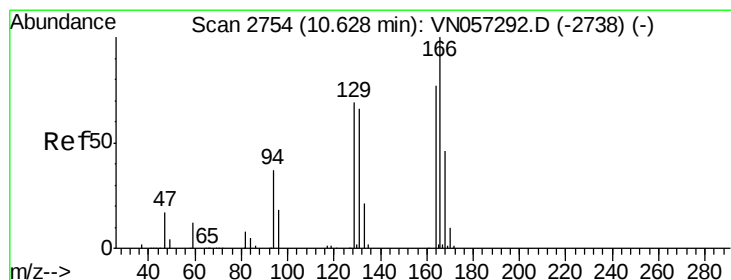
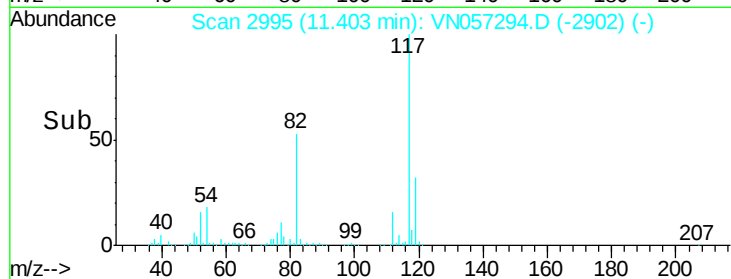
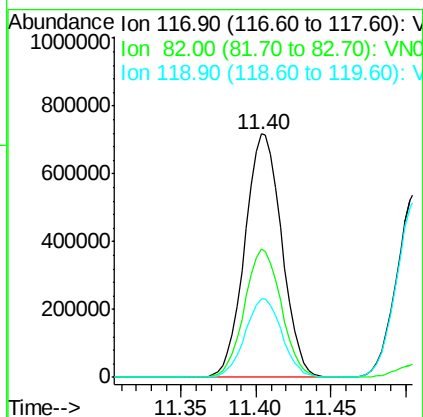
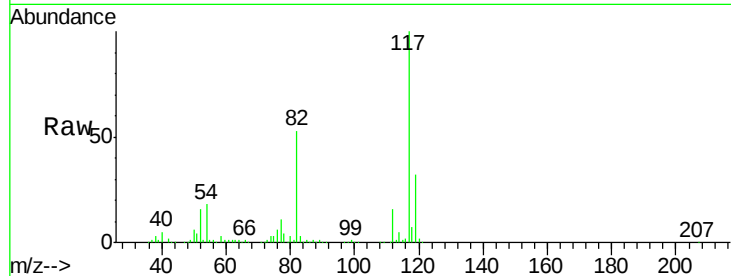
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.2	61.8
119	32.0	25.8	38.8

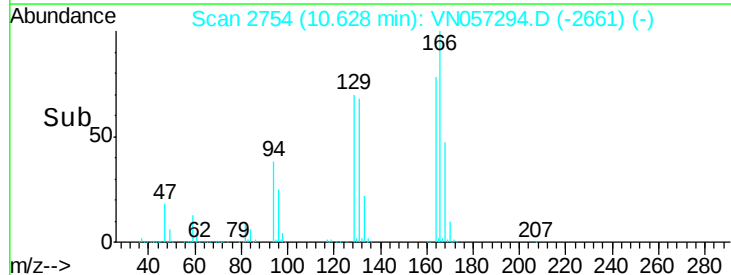
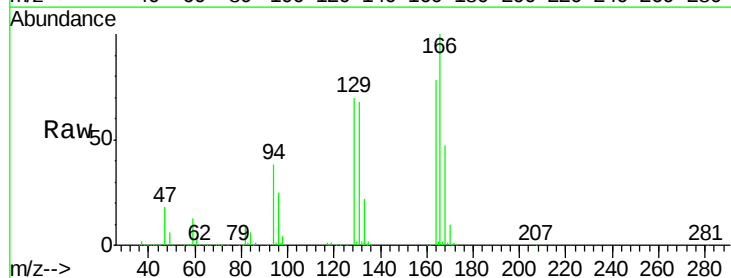
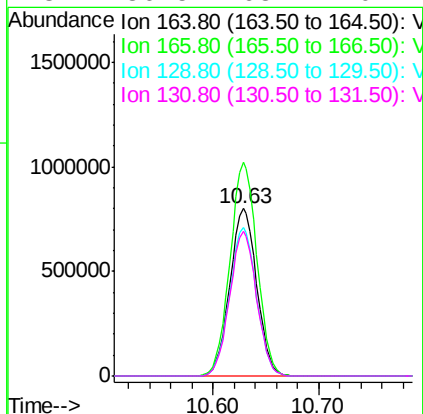
Manual Integrations
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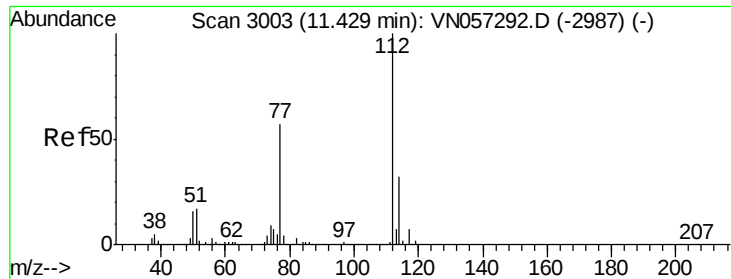
MMDadoda
8/19/2019 1:53:20 AM



#64
Tetrachloroethene
Concen: 129.858 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.5	155.3
129	88.9	71.2	106.8
131	86.5	68.2	102.4





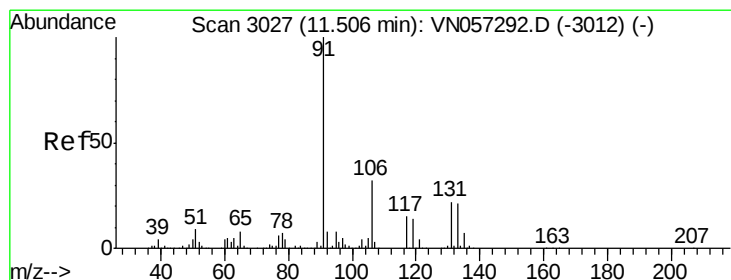
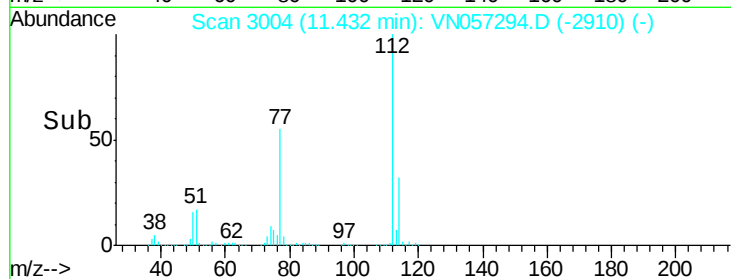
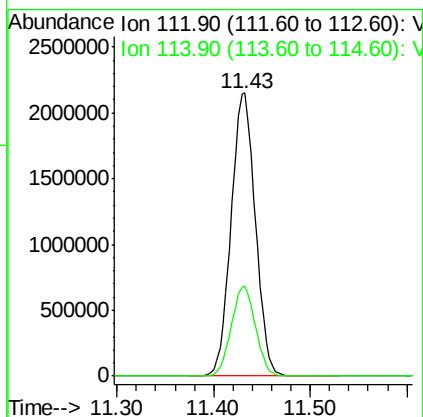
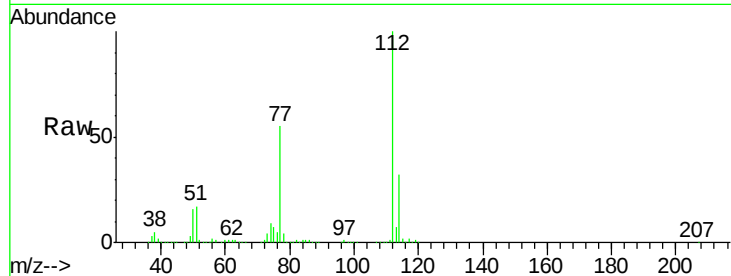
#65
Chlorobenzene
Concen: 148.741 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3733049
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

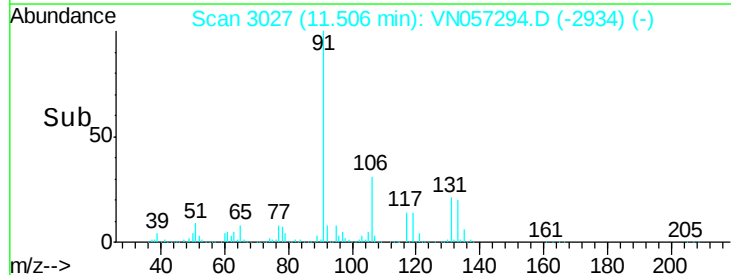
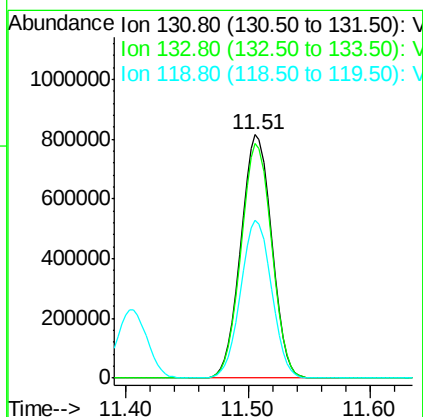
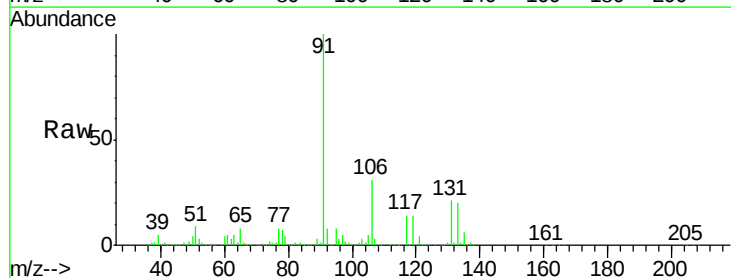
Manual Integrations
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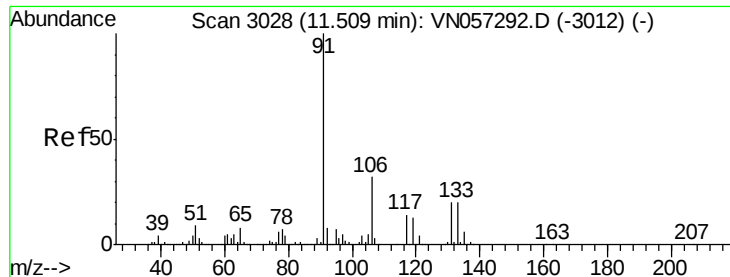
MMdadoda
8/19/2019 1:53:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 146.455 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion:131 Resp: 1419966
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 64.7 32.0 96.2





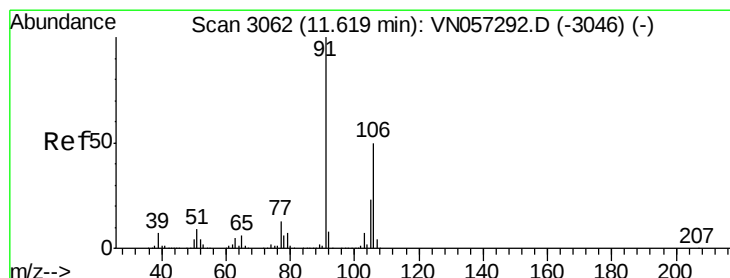
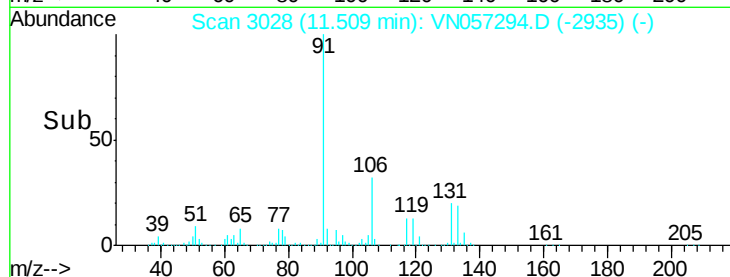
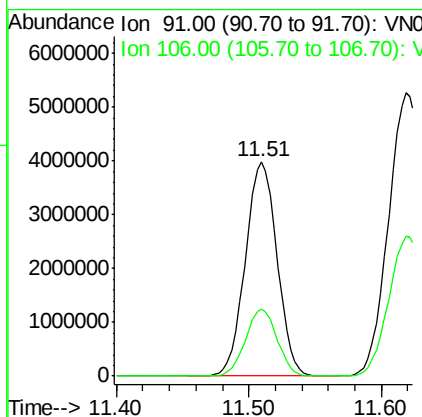
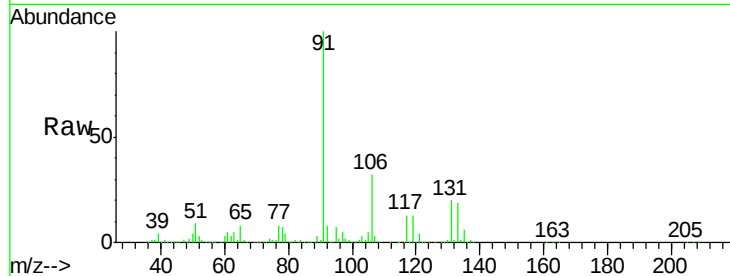
#67
Ethyl Benzene
Concen: 153.675 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 6601834
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

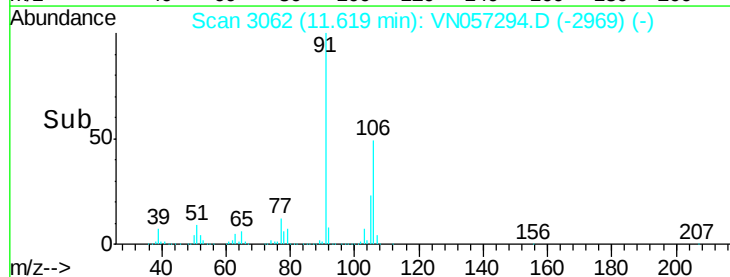
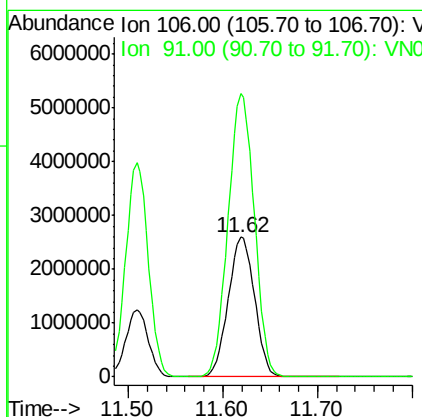
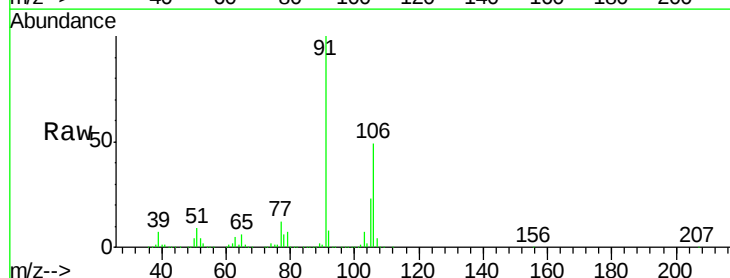
Manual Integrations
APPROVED

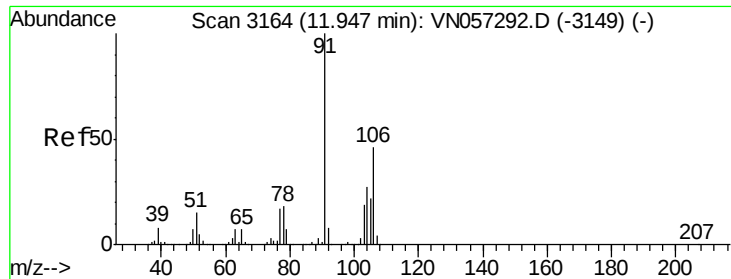
MMdadoda
8/19/2019 1:53:20 AM



#68
m/p-Xylenes
Concen: 312.451 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion: 106 Resp: 5014112
Ion Ratio Lower Upper
106 100
91 202.0 161.5 242.3





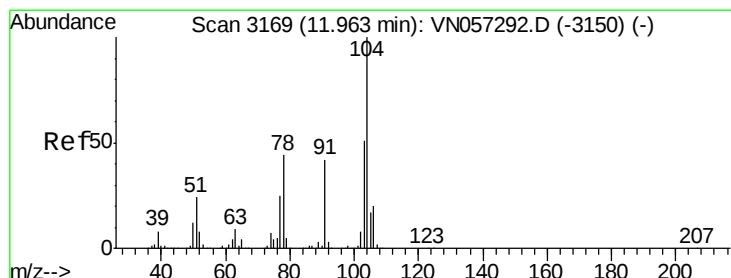
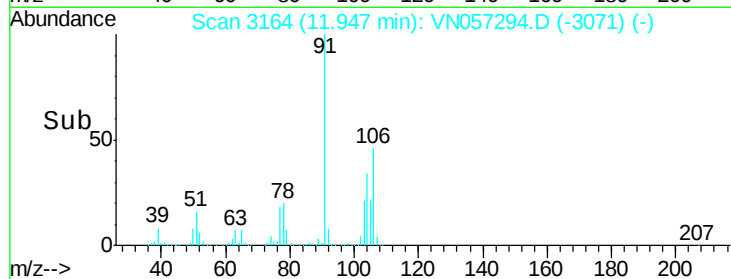
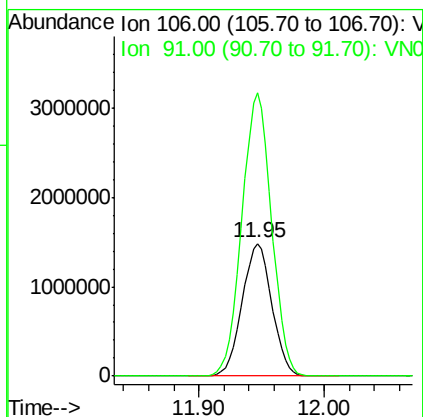
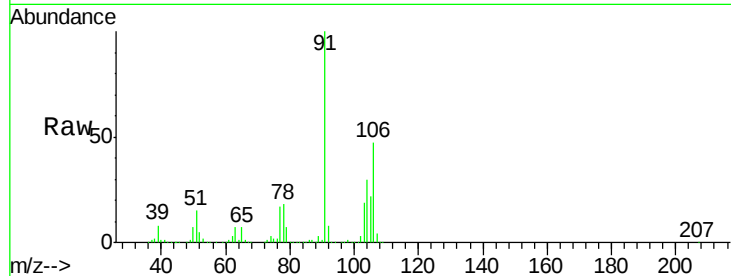
#69
o-Xylene
Concen: 155.012 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2438779
Ion Ratio Lower Upper
106 100
91 213.1 106.3 319.0

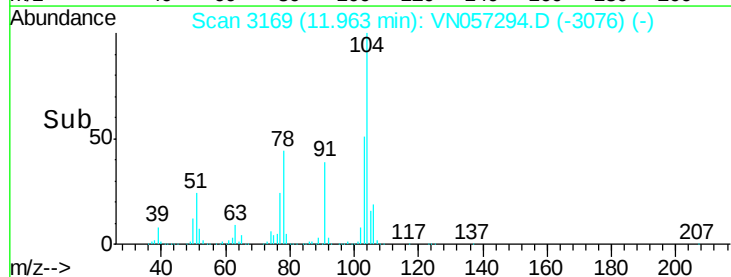
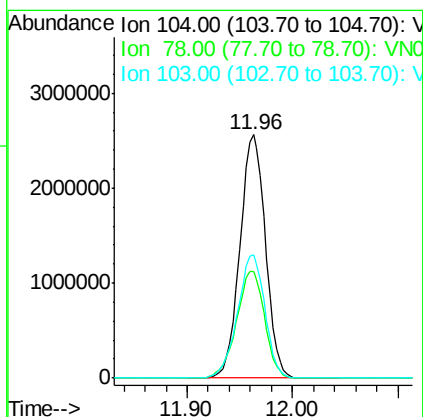
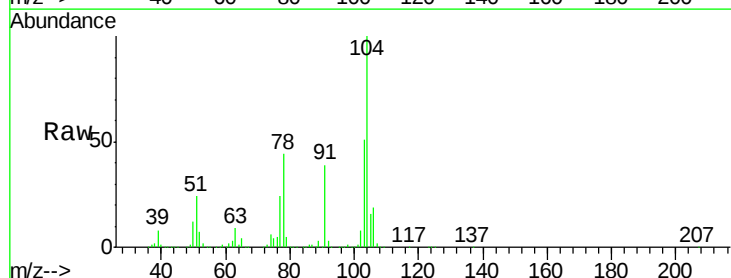
Manual Integrations
APPROVED

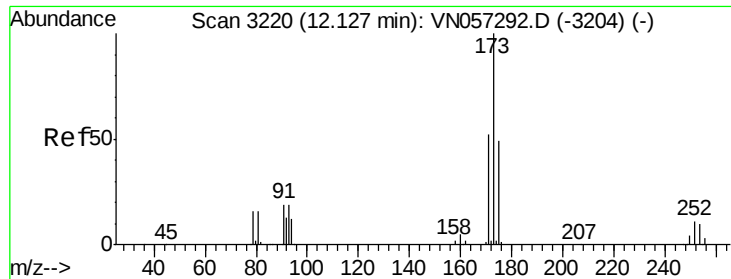
MMdadoda
8/19/2019 1:53:20 AM



#70
Styrene
Concen: 176.370 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion:104 Resp: 4289573
Ion Ratio Lower Upper
104 100
78 48.2 39.2 58.8
103 54.6 44.6 66.8





#71

Bromoform

Concen: 166.680 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1242310

Ion Ratio Lower Upper

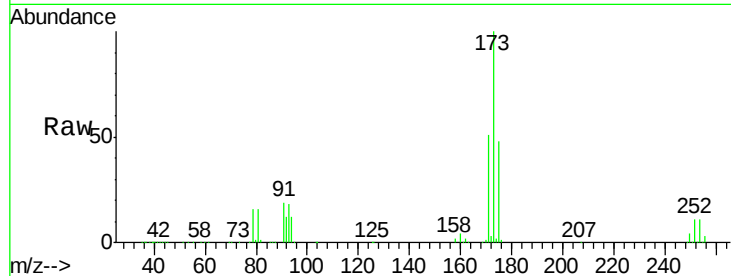
173 100

175 47.9 24.2 72.6

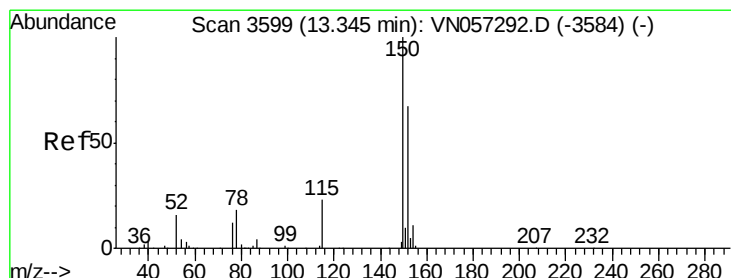
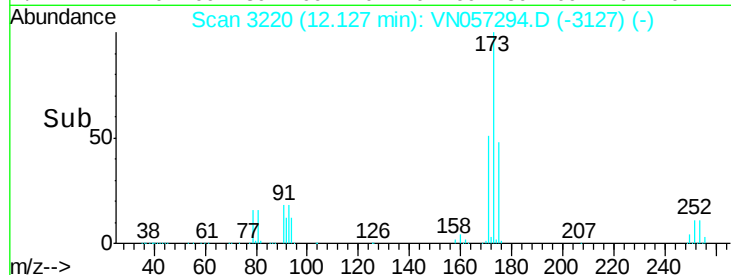
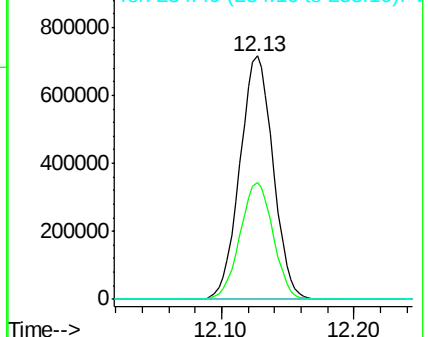
254 0.1 0.2 0.2#

Manual Integrations
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MMdadoda
8/19/2019 1:53:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

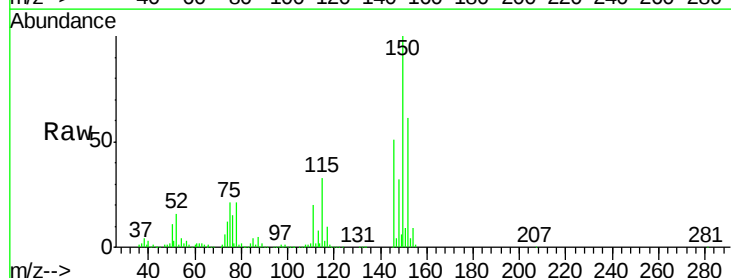
Tgt Ion:152 Resp: 571379

Ion Ratio Lower Upper

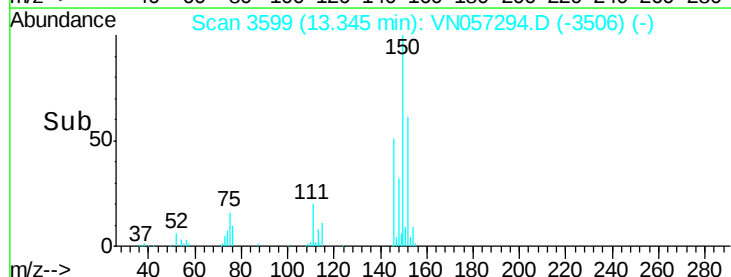
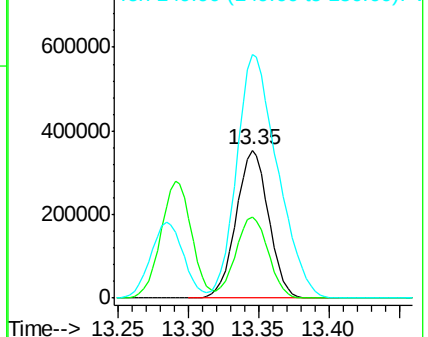
152 100

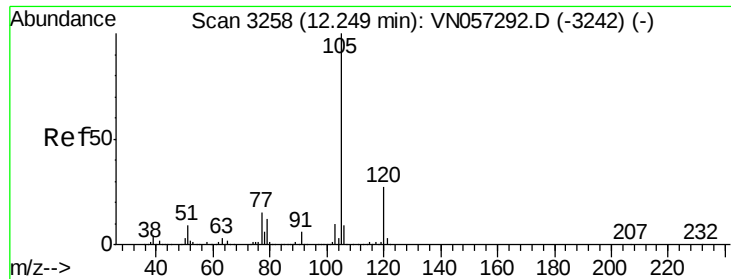
115 55.0 27.3 81.9

150 207.0 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 124.429 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6593546

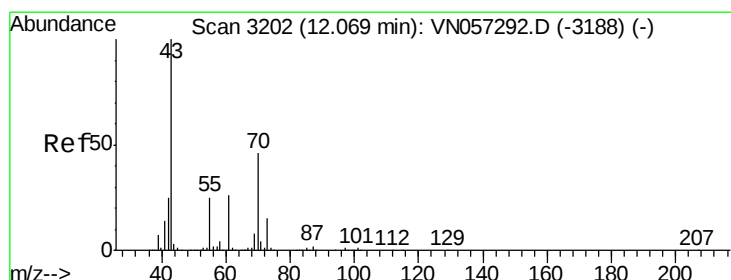
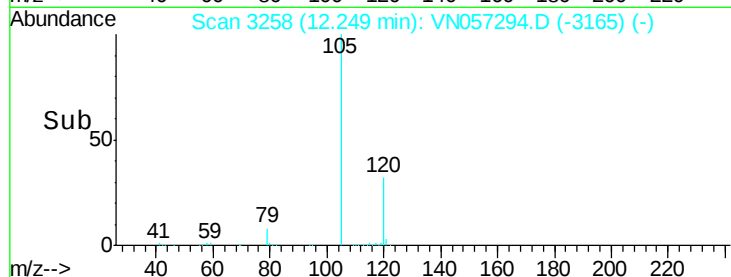
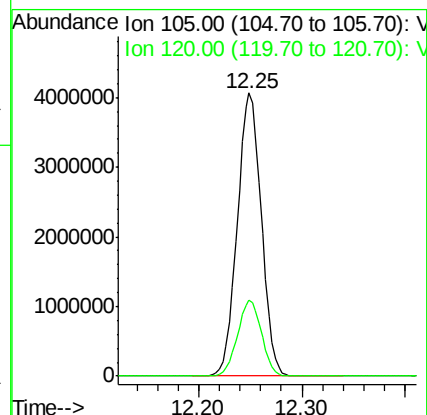
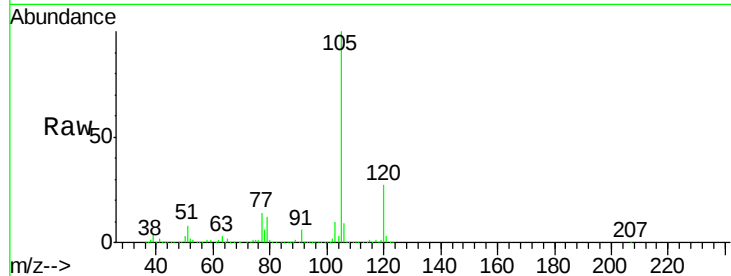
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:20 AM



#74

N-ethyl acetate

Concen: 140.181 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Tgt Ion: 43 Resp: 2167561

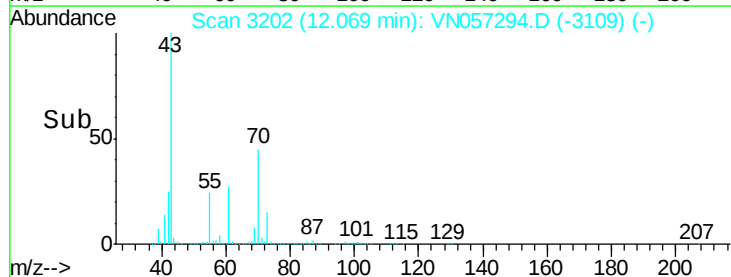
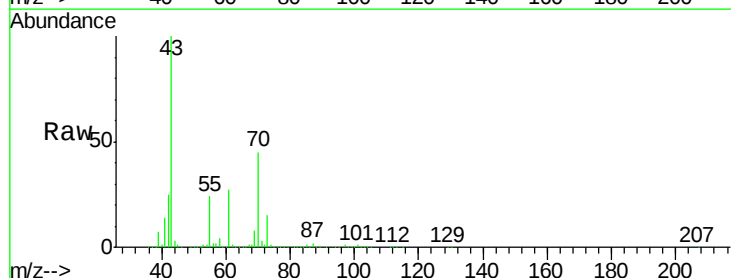
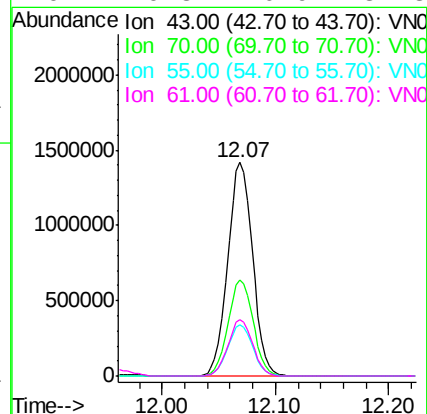
Ion Ratio Lower Upper

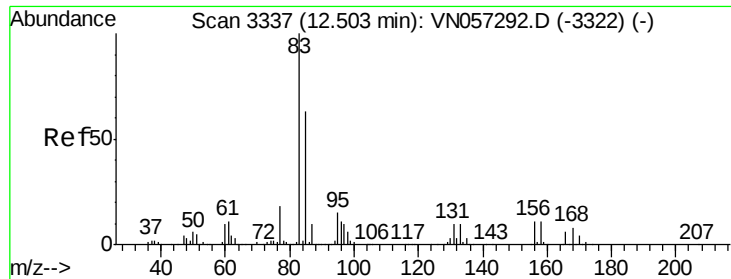
43 100

70 45.4 36.2 54.2

55 24.2 20.1 30.1

61 26.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 117.305 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1784285

Ion Ratio Lower Upper

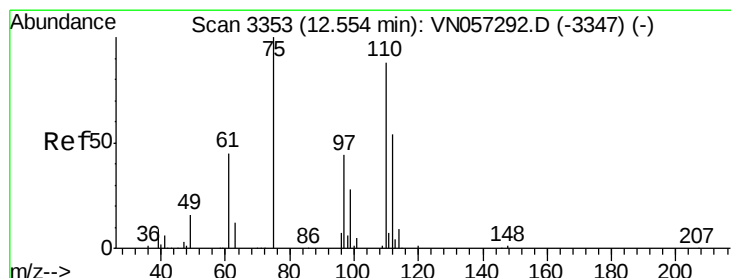
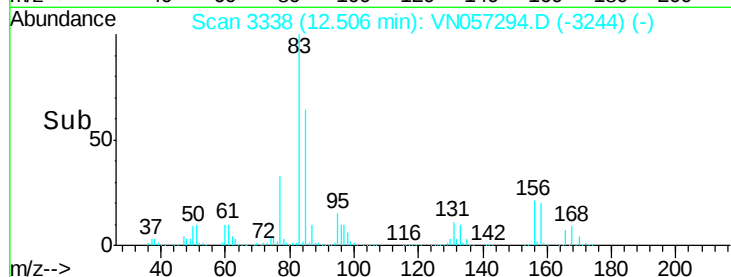
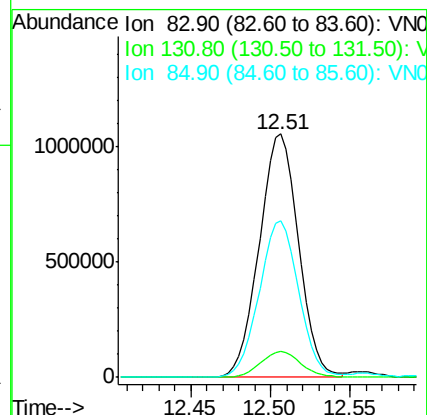
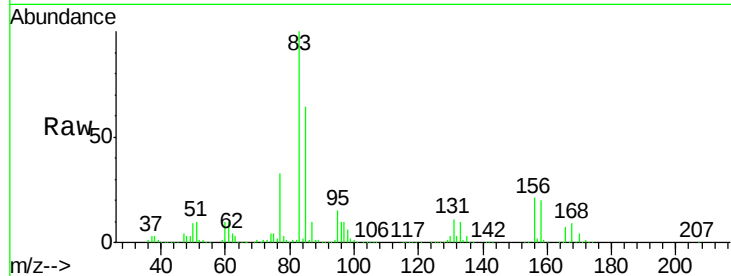
83 100

131 10.9 5.4 16.2

85 64.6 32.3 96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 140.754 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057294.D

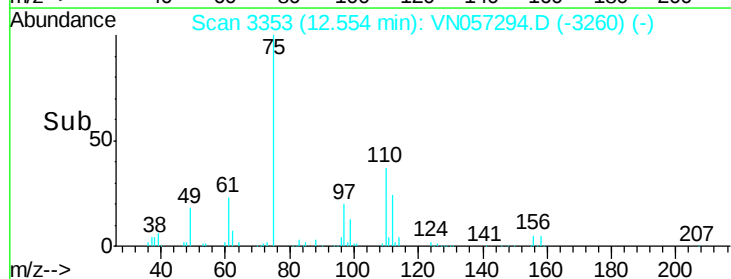
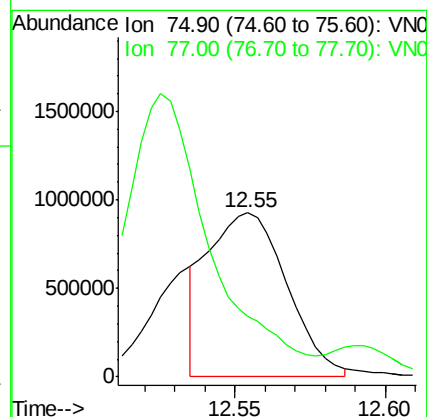
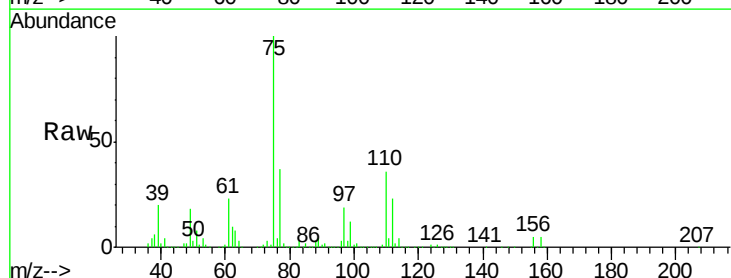
Acq: 14 Aug 2019 18:16

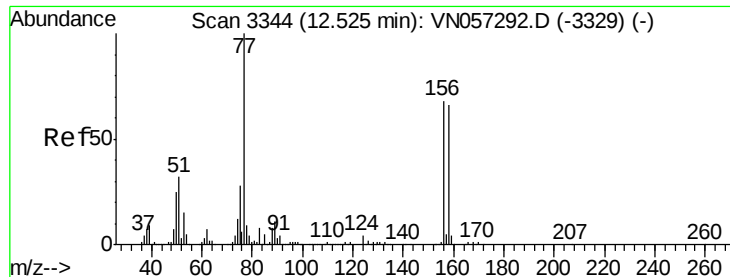
Tgt Ion: 75 Resp: 1701216

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 125.594 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1811585

Ion Ratio Lower Upper

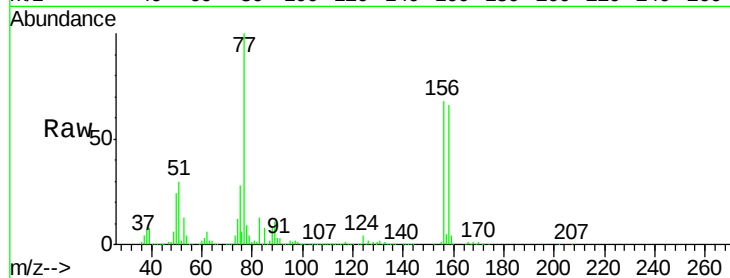
156 100

77 176.4 89.8 269.6

158 97.2 49.3 147.8

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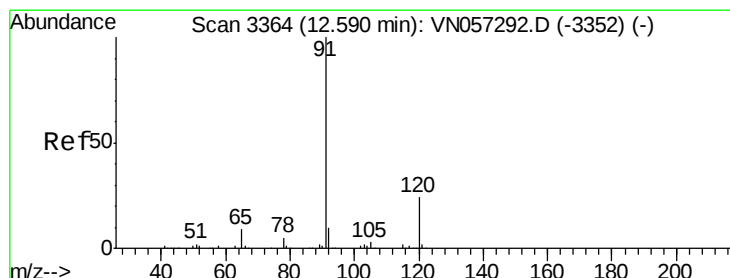
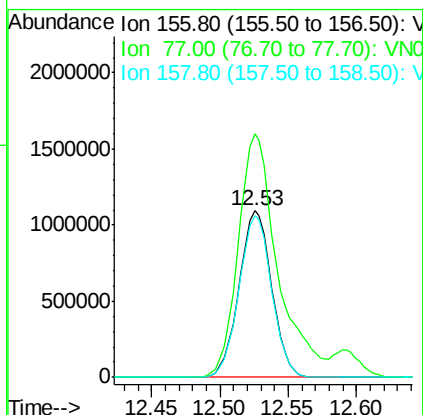
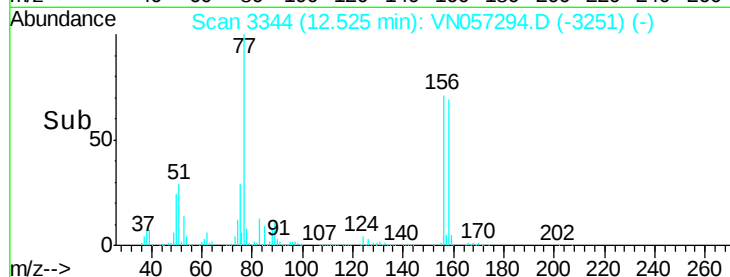
MMdadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.747 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057294.D

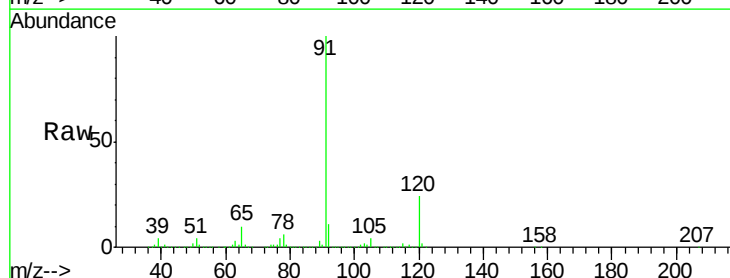
Acq: 14 Aug 2019 18:16

Tgt Ion: 91 Resp: 7402976

Ion Ratio Lower Upper

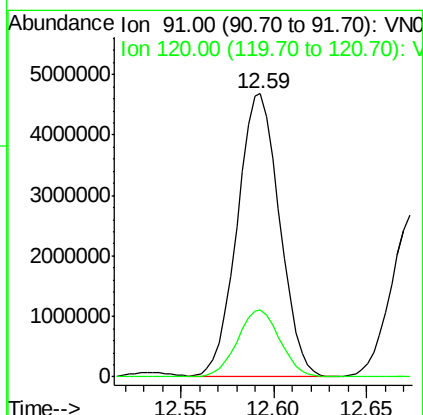
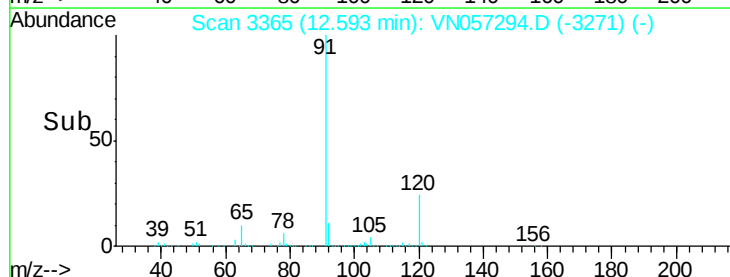
91 100

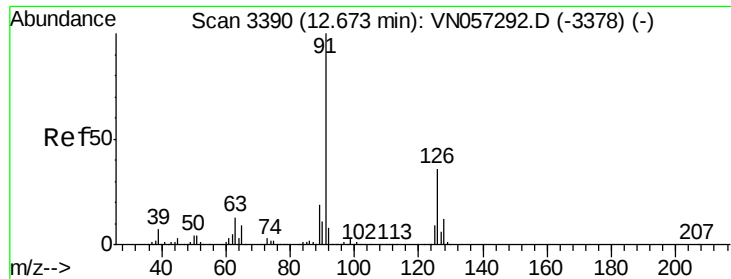
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 129.884 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4429716

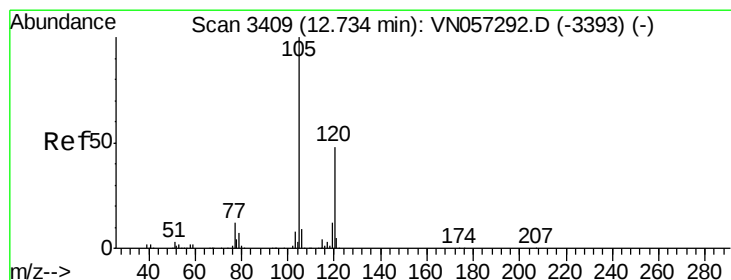
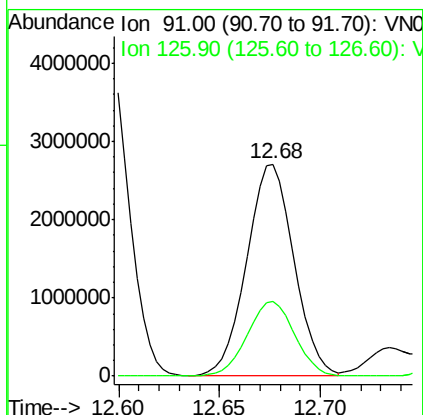
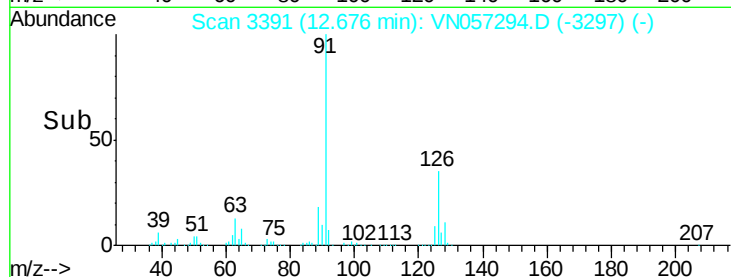
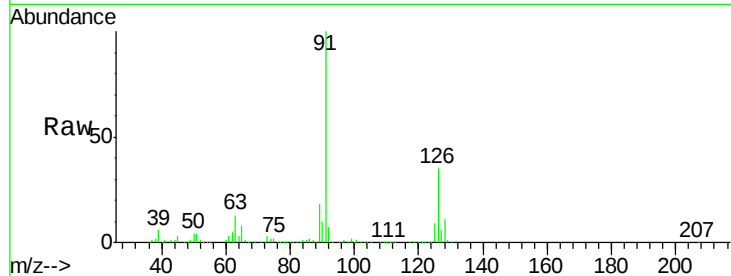
Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 132.248 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057294.D

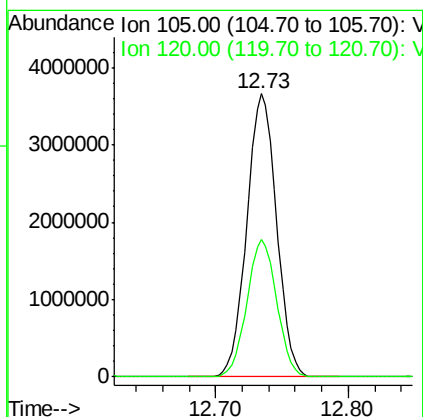
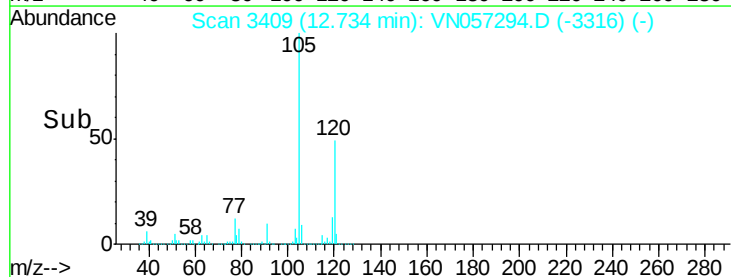
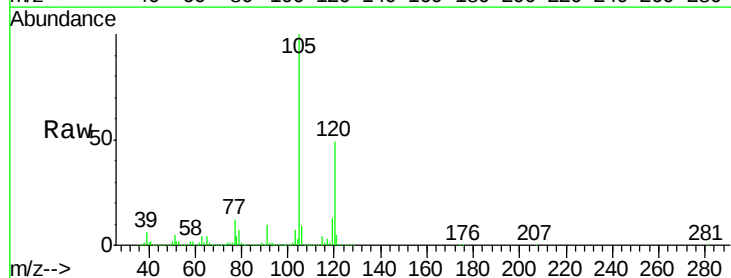
Acq: 14 Aug 2019 18:16

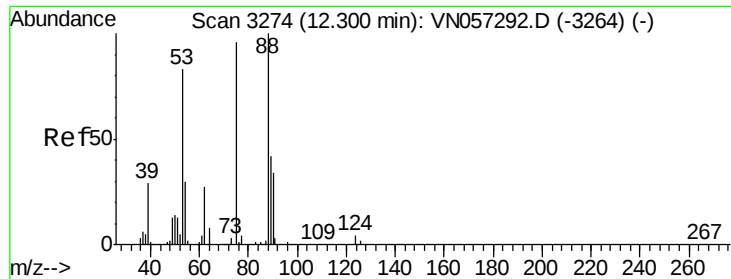
Tgt Ion: 105 Resp: 5682594

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





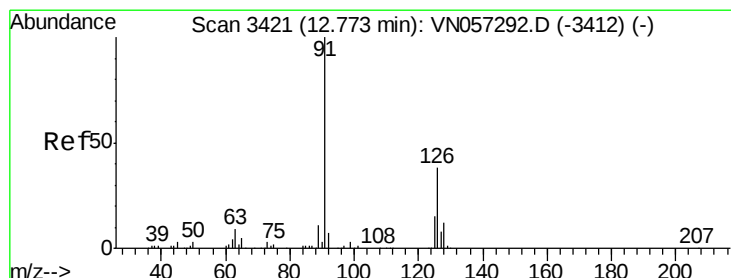
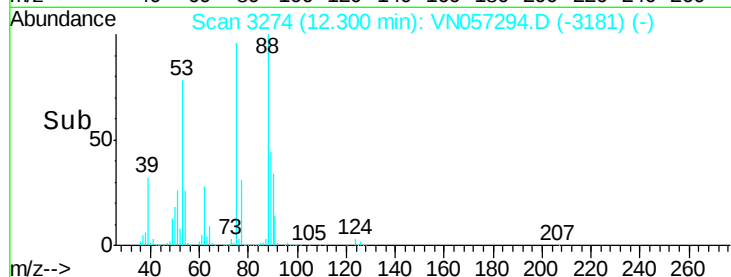
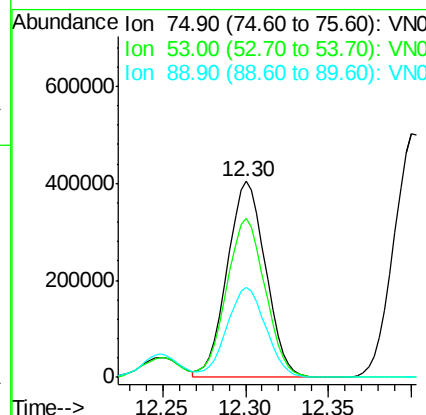
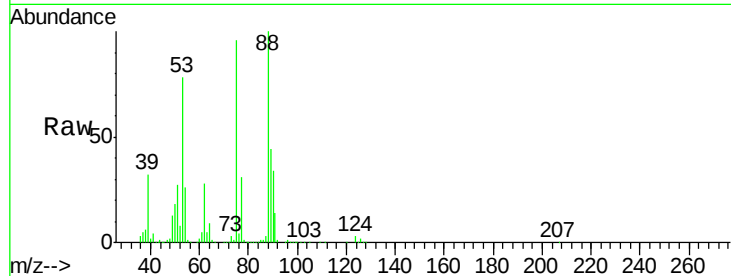
#81
trans-1,4-Dichloro-2-butene
Concen: 150.461 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.3	67.9	101.9
89	46.6	36.2	54.4

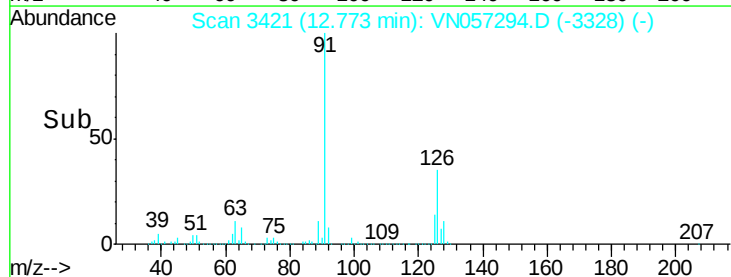
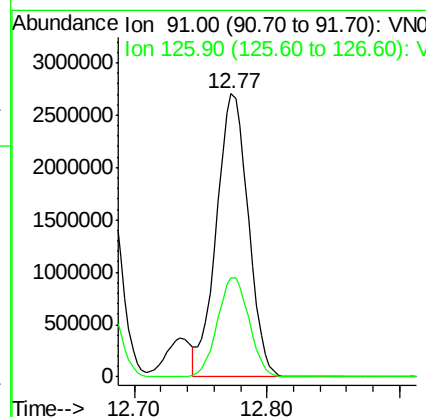
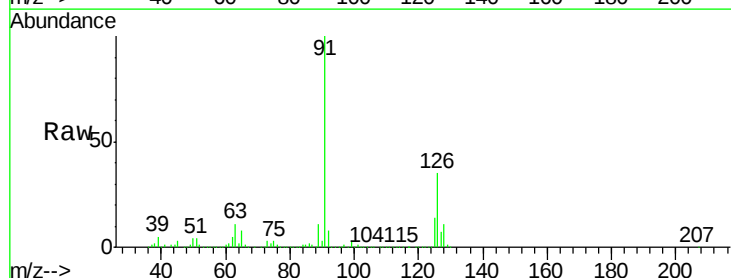
Manual Integrations
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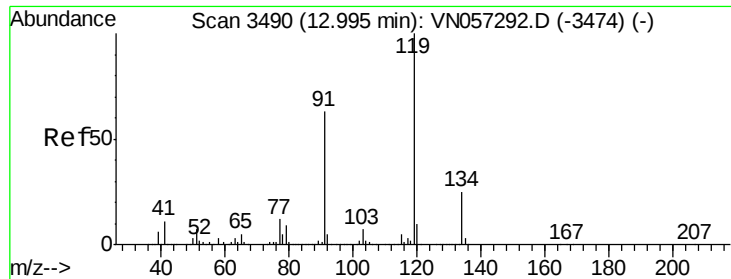
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#82
4-Chlorotoluene
Concen: 143.945 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	51.7





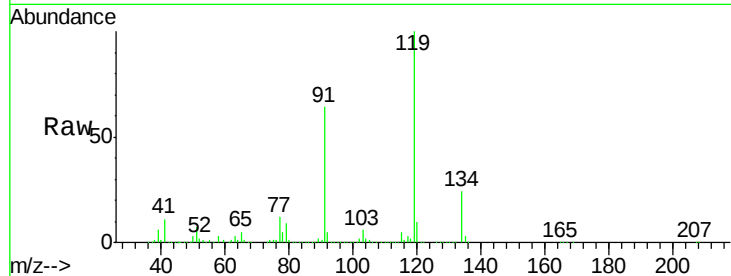
#83
tert-Butylbenzene
Concen: 122.761 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

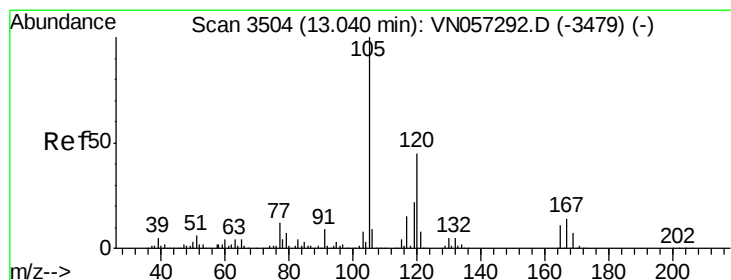
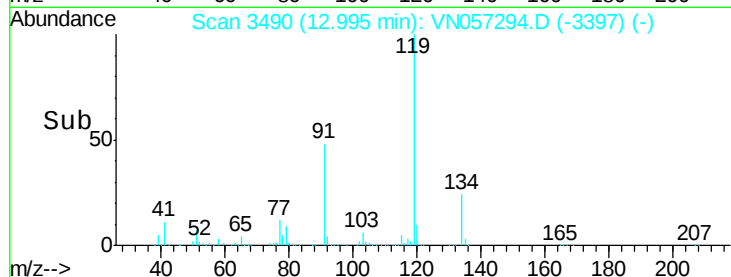
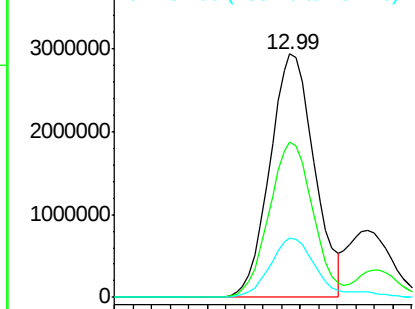
Tot Ion:119 Resp: 4923823
Ion Ratio Lower Upper
119 100
91 63.0 31.3 93.8
134 24.4 13.1 39.1

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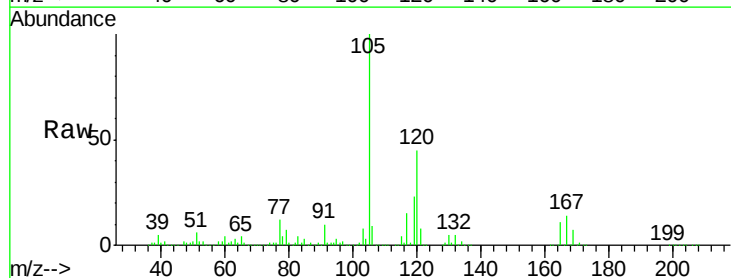


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

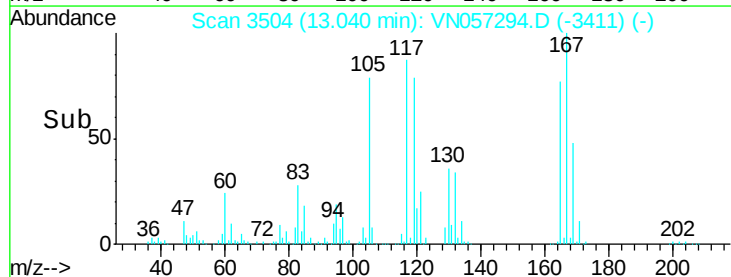
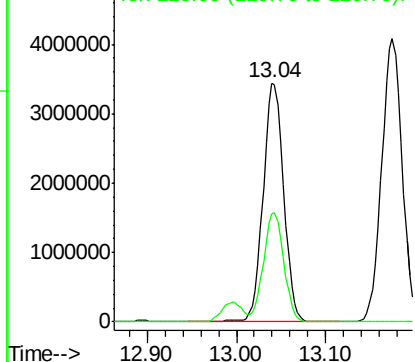


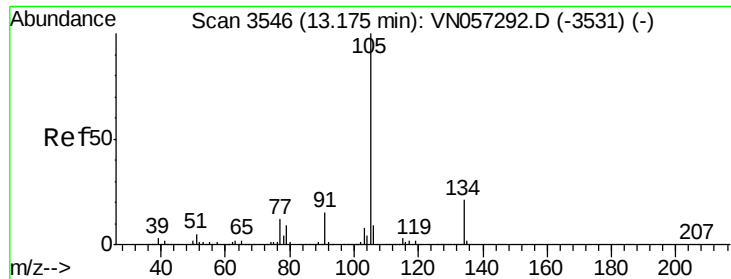
#84
1,2,4-Trimethylbenzene
Concen: 137.889 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion:105 Resp: 5541136
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 134.574 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6465574

Ion Ratio Lower Upper

105 100

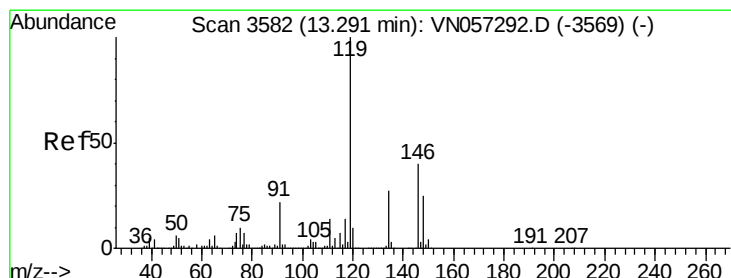
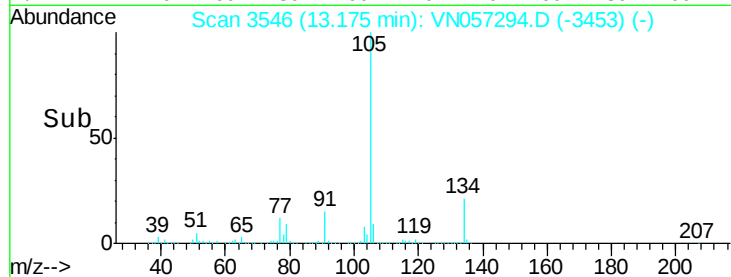
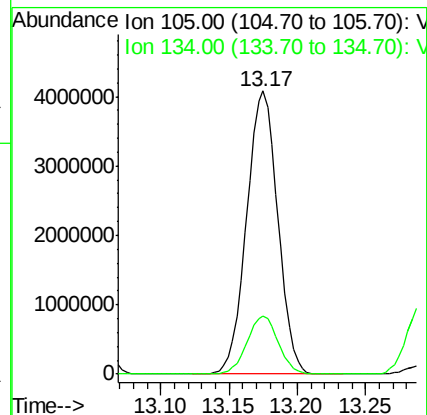
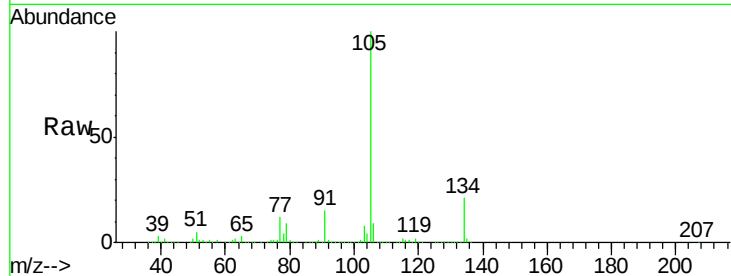
134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 140.754 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

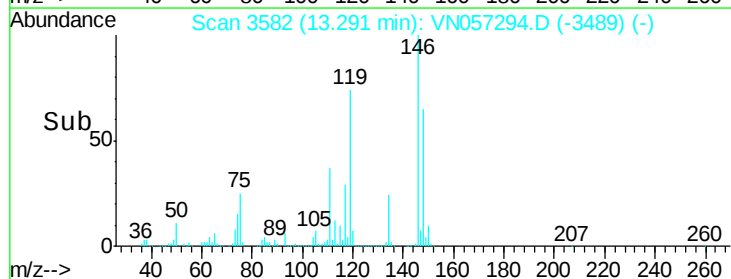
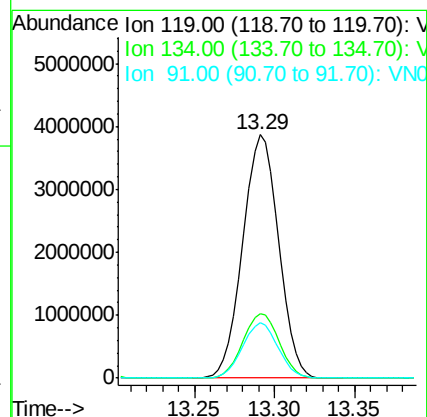
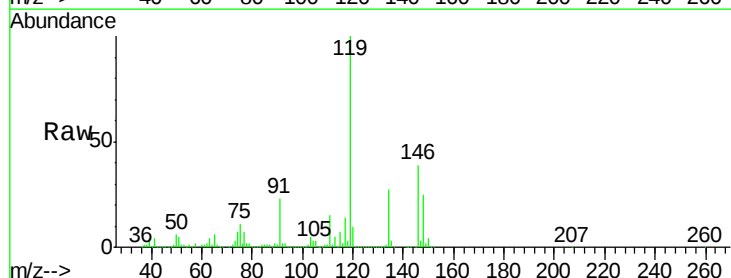
Tgt Ion:119 Resp: 5895703

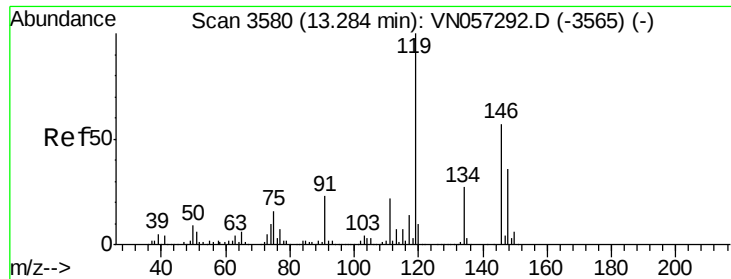
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.4 11.2 33.5





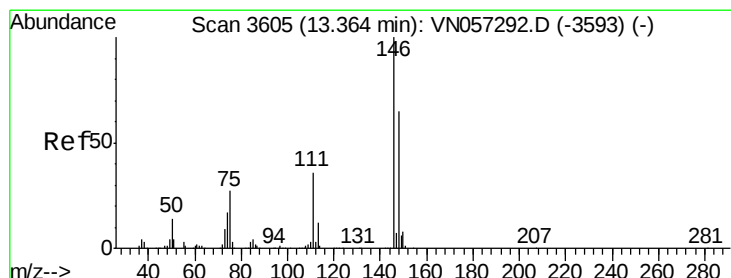
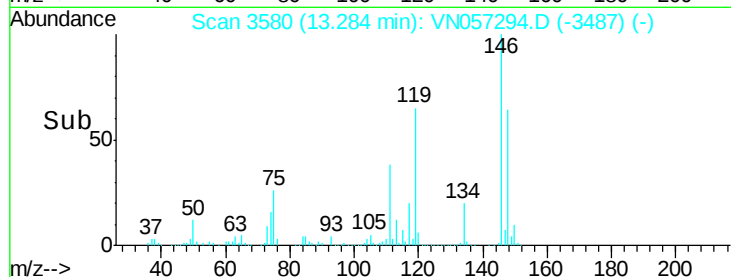
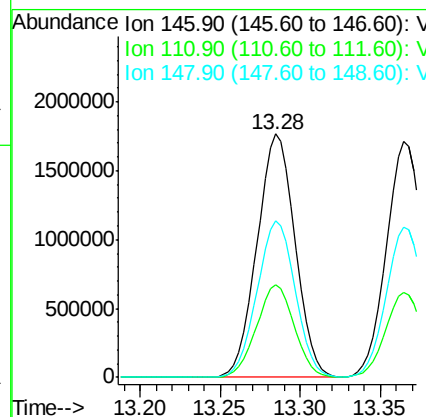
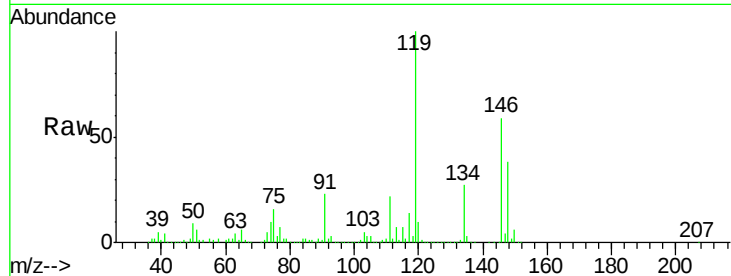
#87
 1,3-Dichlorobenzene
 Concen: 146.277 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2886364
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.7 56.1
 148 64.4 31.7 95.1

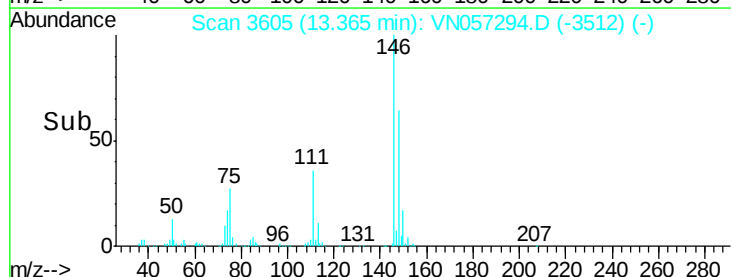
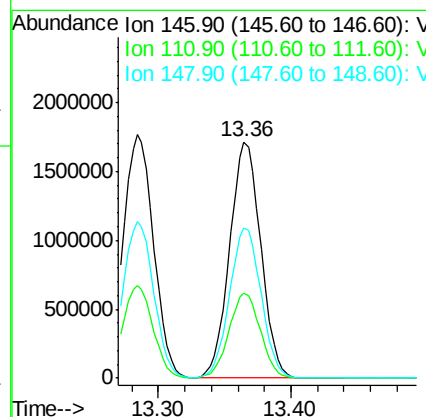
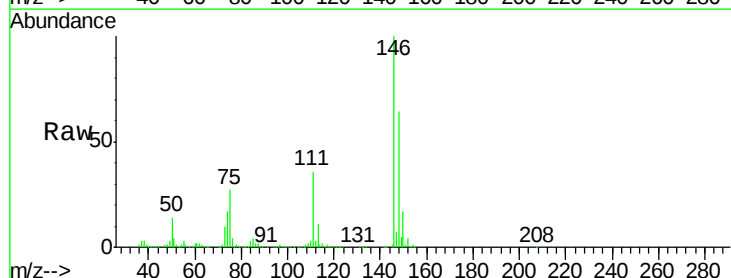
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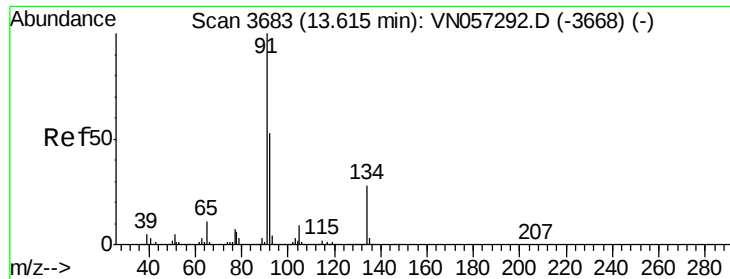
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#88
 1,4-Dichlorobenzene
 Concen: 146.010 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057294.D
 Acq: 14 Aug 2019 18:16

Tgt Ion:146 Resp: 2796969
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.4
 148 64.1 32.5 97.4





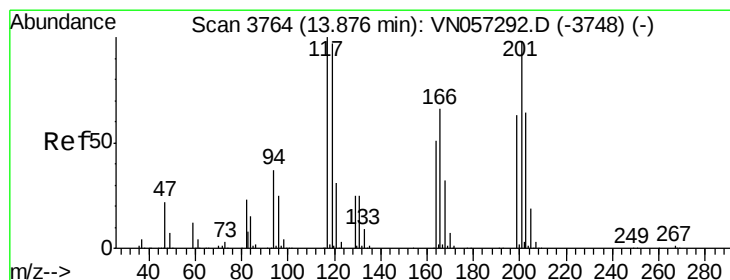
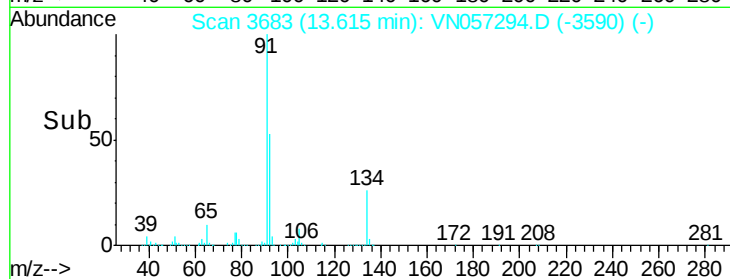
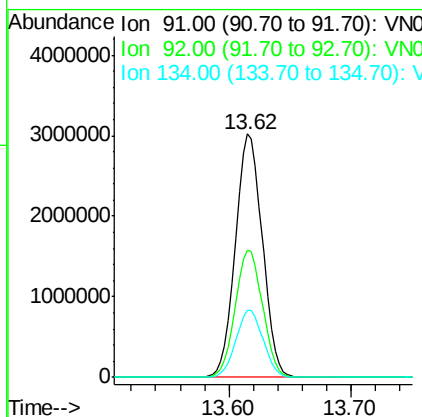
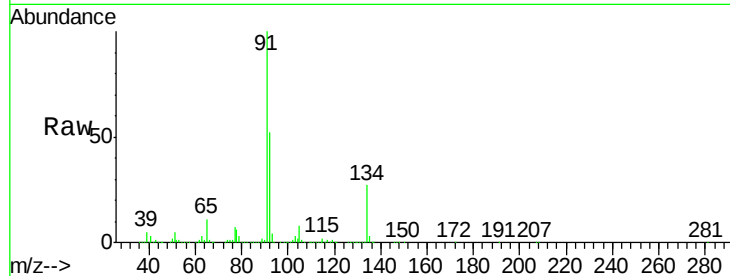
#89
n-Butylbenzene
Concen: 156.805 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.6
134	27.7	13.9	41.7

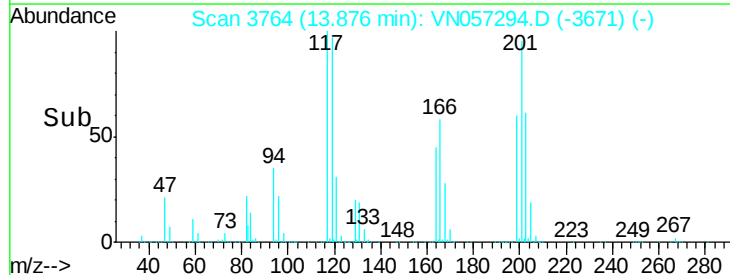
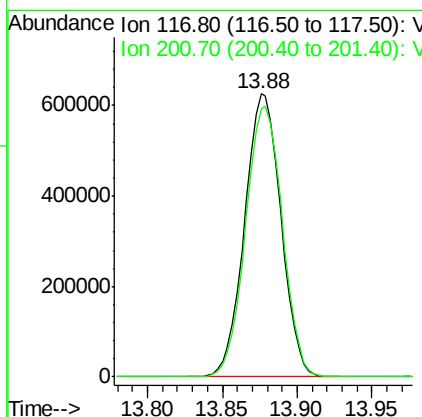
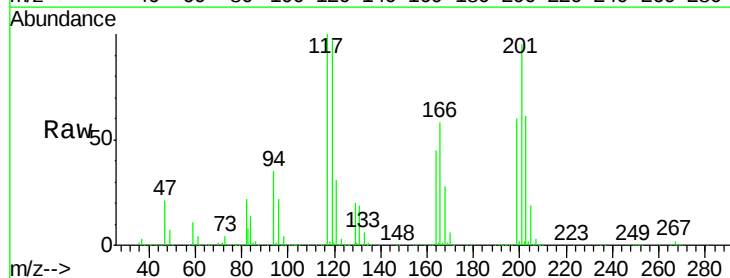
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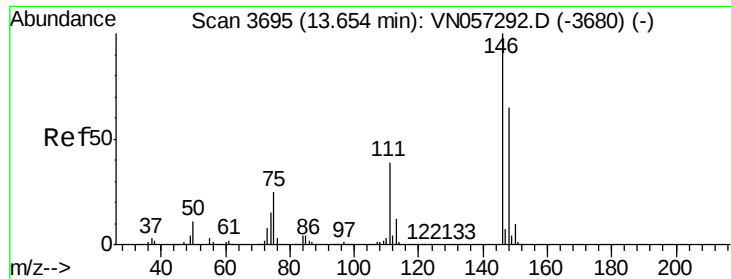
MMdadoda
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#90
Hexachloroethane
Concen: 129.148 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.0	48.4	145.0





#91

1,2-Dichlorobenzene

Concen: 138.207 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2652238

Ion Ratio Lower Upper

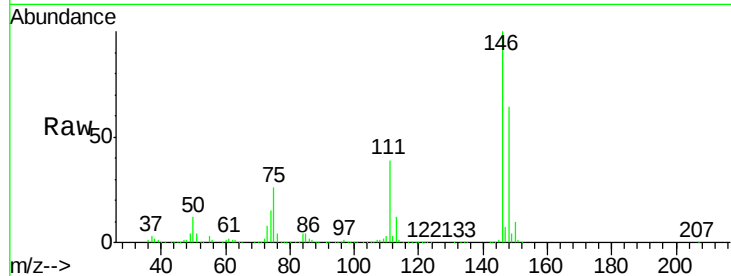
146 100

111 38.7 19.7 59.1

148 64.0 32.0 96.0

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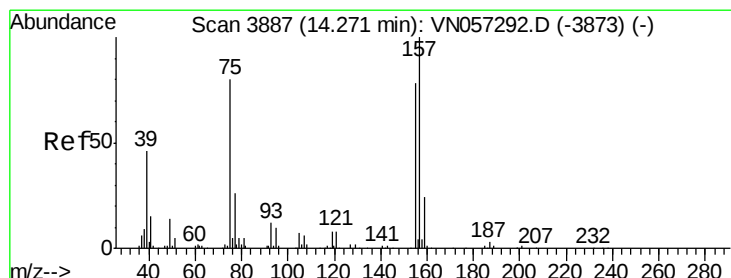
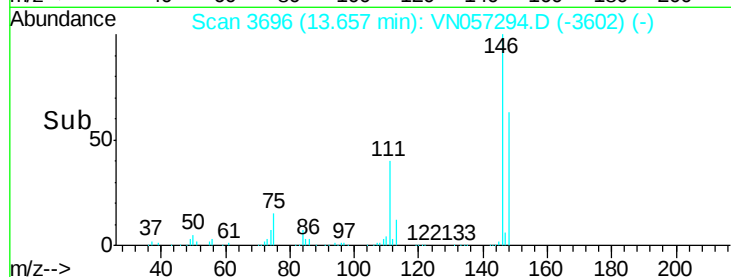
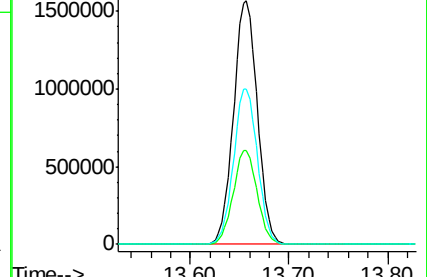
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 158.184 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

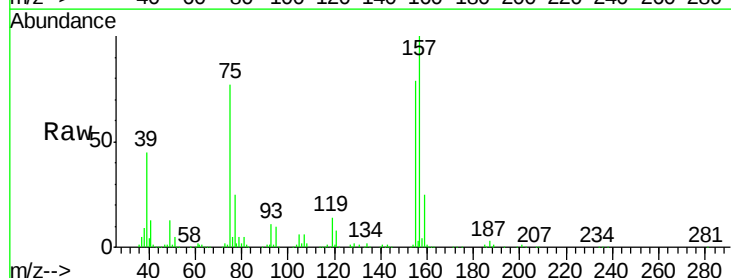
Tgt Ion: 75 Resp: 302518

Ion Ratio Lower Upper

75 100

155 102.1 49.6 148.8

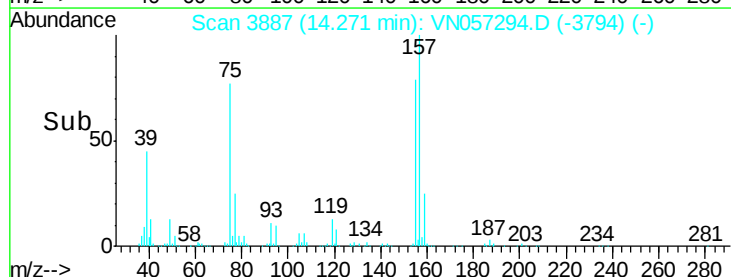
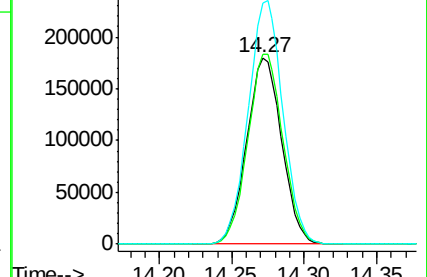
157 129.7 63.7 191.1

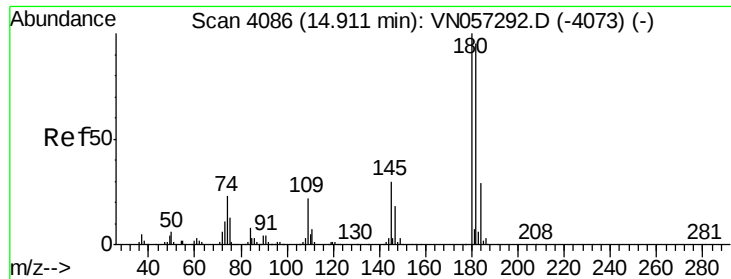


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 182.068 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057294.D

Acq: 14 Aug 2019 18:16

Instrument :

MSVOA_N

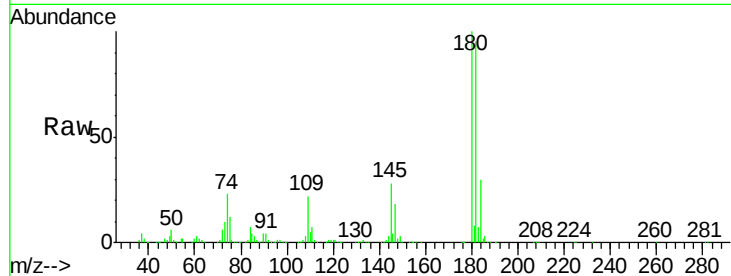
ClientSampleId :

VSTDIC150

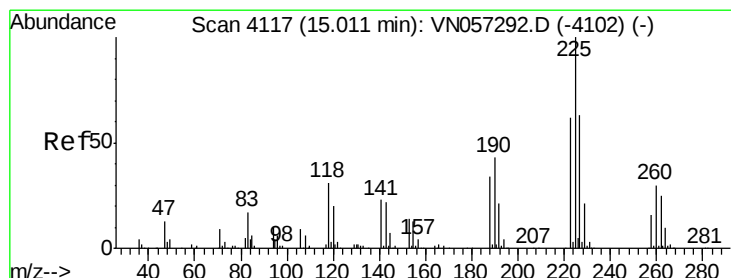
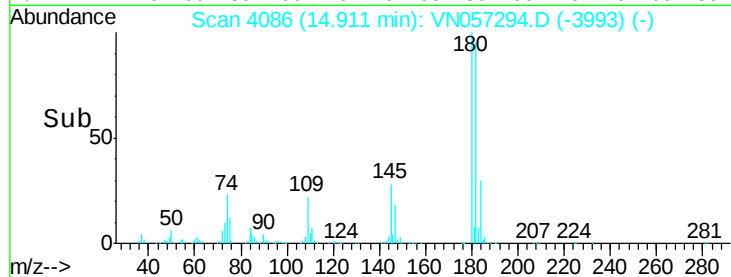
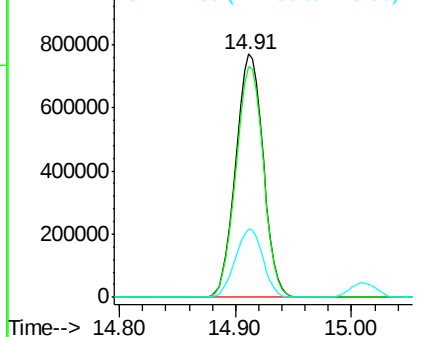
Tot Ion:	180	Resp:	1253887
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	28.4	14.5	43.6

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 106.203 ug/l

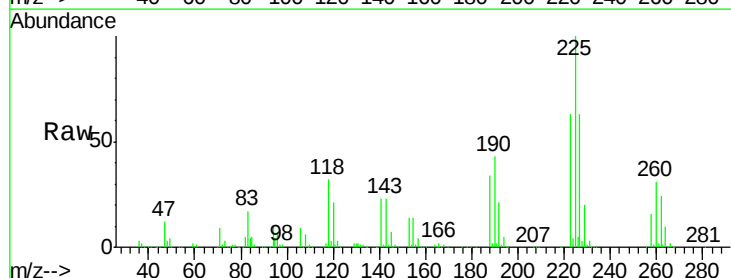
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

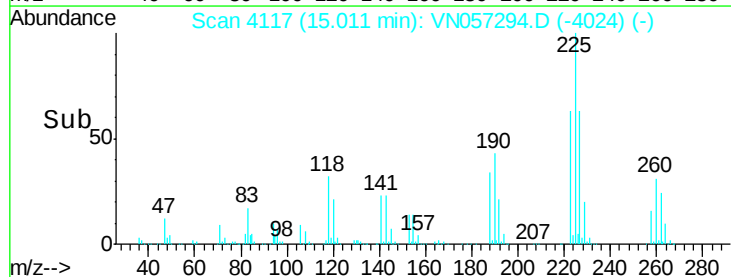
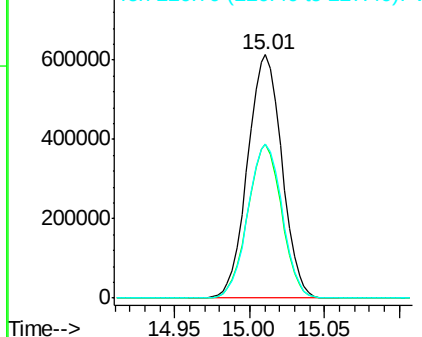
Lab File: VN057294.D

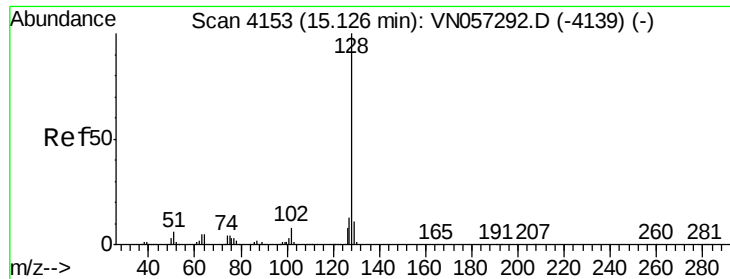
Acq: 14 Aug 2019 18:16

Tgt Ion:	225	Resp:	980559
Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.7	92.1
227	63.4	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





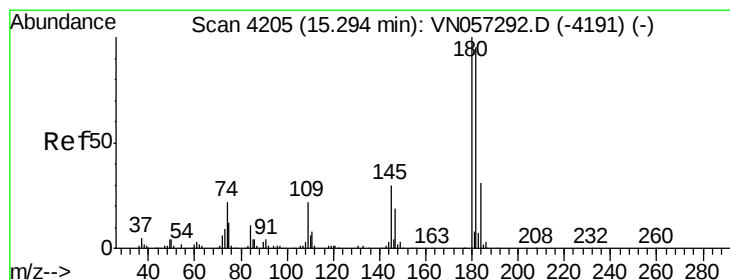
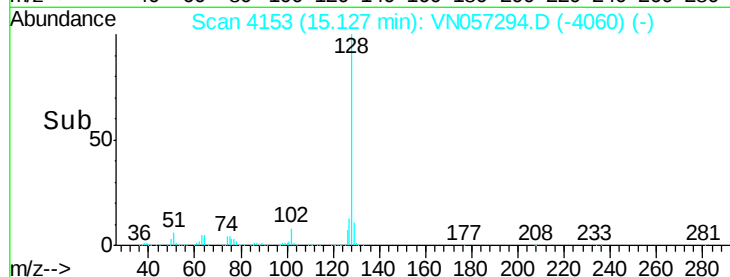
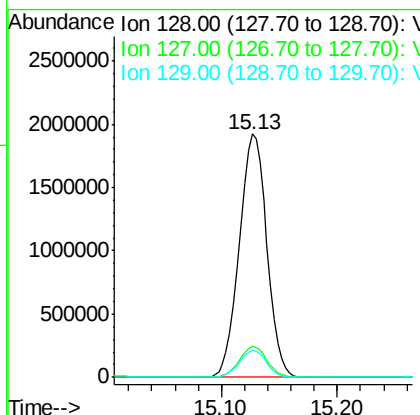
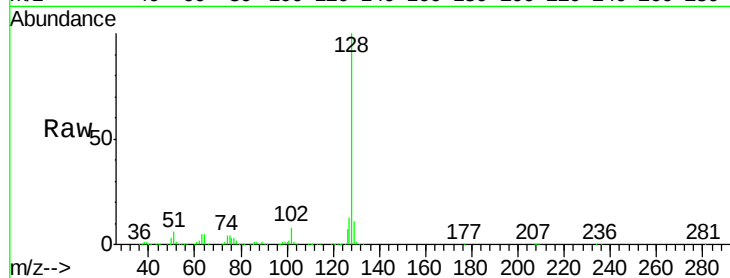
#95
Naphthalene
Concen: 233.542 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 180.143 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057294.D
Acq: 14 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	30.4	15.1	45.3

