

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057293.D
 Acq On : 14 Aug 2019 17:51
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:17 AM

Quant Time: Aug 15 08:24:24 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	884666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1293160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1205822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	571561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	923725	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
35) Dibromofluoromethane	7.58	113	818248	99.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.96%	
50) Toluene-d8	10.09	98	3088836	103.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.00%	
62) 4-Bromofluorobenzene	12.40	95	1146150	111.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	713476	96.241	ug/l	97
3) Chloromethane	2.05	50	810041	96.291	ug/l	99
4) Vinyl Chloride	2.18	62	798322	97.930	ug/l	99
5) Bromomethane	2.52	94	573634m	99.875	ug/l	
6) Chloroethane	2.68	64	541993m	102.583	ug/l	
7) Trichlorofluoromethane	3.01	101	1251965	97.210	ug/l	99
8) Diethyl Ether	3.40	74	477130	101.599	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	733607	94.942	ug/l	98
10) Methyl Iodide	3.95	142	1249232	104.267	ug/l	100
11) Tert butyl alcohol	4.76	59	703588	574.642	ug/l	99
12) 1,1-Dichloroethene	3.73	96	743476	96.738	ug/l	98
13) Acrolein	3.60	56	388906	461.514	ug/l	98
14) Allyl chloride	4.31	41	1204874	102.812	ug/l	99
15) Acrylonitrile	4.97	53	1898582	556.029	ug/l	99
16) Acetone	3.80	43	1536538	501.840	ug/l	100
17) Carbon Disulfide	4.05	76	2031574	97.154	ug/l	99
18) Methyl Acetate	4.31	43	868106	82.600	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	2376763	102.946	ug/l	99
20) Methylene Chloride	4.54	84	856875	95.753	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	793575	97.053	ug/l	98
22) Diisopropyl ether	5.94	45	2338098	101.132	ug/l	98
23) Vinyl Acetate	5.88	43	9842241	536.655	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1430227	98.736	ug/l	100
25) 2-Butanone	6.82	43	2390319	543.828	ug/l	96
26) 2,2-Dichloropropane	6.81	77	1189454	100.629	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	938605	99.342	ug/l	99
28) Bromochloromethane	7.18	49	639697	99.157	ug/l #	100
29) Tetrahydrofuran	7.20	42	1525308	543.697	ug/l	100
30) Chloroform	7.36	83	1478905	97.558	ug/l	98
31) Cyclohexane	7.65	56	1202369	95.487	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1301169	101.510	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1103622	98.326	ug/l	99
37) Ethyl Acetate	6.91	43	969210	105.474	ug/l	100
38) Carbon Tetrachloride	7.77	117	1168817	97.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1292691	97.426	ug/l	98
40) Benzene	8.03	78	3360029	97.944	ug/l	98
41) Methacrylonitrile	7.17	41	426238m	111.040	ug/l	
42) 1,2-Dichloroethane	8.12	62	1106522	100.410	ug/l	100
43) Isopropyl Acetate	8.16	43	1683109	110.210	ug/l	98
44) Trichloroethene	8.83	130	945342	95.626	ug/l	99
45) 1,2-Dichloropropane	9.11	63	868099	99.720	ug/l	99
46) Dibromomethane	9.20	93	574241	98.091	ug/l	99
47) Bromodichloromethane	9.40	83	1167423	103.224	ug/l	99
48) Methyl methacrylate	9.19	41	787823	112.489	ug/l	99
49) 1,4-Dioxane	9.19	88	335220	2131.048	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	4941142	555.557	ug/l	100
52) Toluene	10.15	92	2126249	99.897	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1319641	109.109	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1425057	104.583	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	840447	100.604	ug/l	99
56) Ethyl methacrylate	10.43	69	1314562	111.483	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1374146	99.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1873526	631.793	ug/l	100
59) 2-Hexanone	10.75	43	3667114	580.147	ug/l	99
60) Dibromochloromethane	10.90	129	981240	104.701	ug/l	99
61) 1,2-Dibromoethane	11.00	107	903005	104.028	ug/l	99
64) Tetrachloroethene	10.63	164	911561	85.992	ug/l	99
65) Chlorobenzene	11.43	112	2380730	96.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	900606	94.967	ug/l	98
67) Ethyl Benzene	11.51	91	4219162	100.410	ug/l	100
68) m/p-Xylenes	11.62	106	3210292	204.524	ug/l	99
69) o-Xylene	11.95	106	1567339	101.852	ug/l	99
70) Styrene	11.96	104	2673224	112.372	ug/l	100
71) Bromoform	12.13	173	792213	108.669	ug/l #	99
73) Isopropylbenzene	12.25	105	4173649	78.737	ug/l	99
74) N-amyl acetate	12.07	43	1430767	92.502	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	1196213	78.618	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1011942m	83.698	ug/l	
77) Bromobenzene	12.53	156	1145135	79.365	ug/l	100
78) n-propylbenzene	12.59	91	4633130	86.807	ug/l	100
79) 2-Chlorotoluene	12.67	91	2813114	82.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3596450	83.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	419671	97.394	ug/l	99
82) 4-Chlorotoluene	12.77	91	2810000	89.981	ug/l	99
83) tert-Butylbenzene	12.99	119	3141896	78.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3468952	86.296	ug/l	100
85) sec-Butylbenzene	13.17	105	4060975	84.498	ug/l	100
86) p-Isopropyltoluene	13.29	119	3677866	87.777	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1862204	94.344	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1805607	94.228	ug/l	98
89) n-Butylbenzene	13.62	91	2785973	94.610	ug/l	99
90) Hexachloroethane	13.88	117	669771	81.799	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1780093	92.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	190347	99.499	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	750011	108.869	ug/l	100
94) Hexachlorobutadiene	15.01	225	711572	77.045	ug/l	98
95) Naphthalene	15.13	128	1530198	113.088	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	625784	89.630	ug/l	100

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

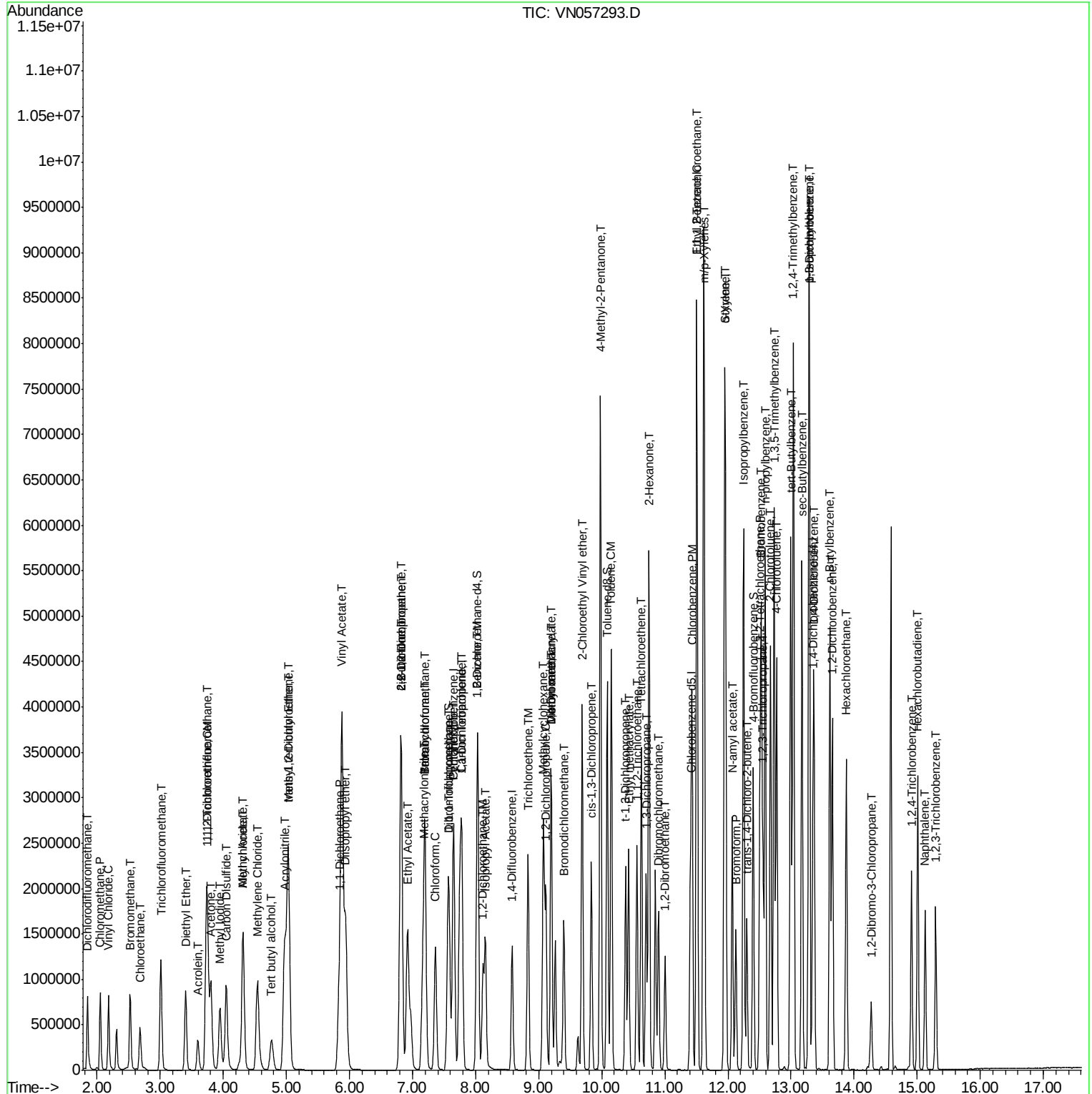
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Data File : VN057293.D
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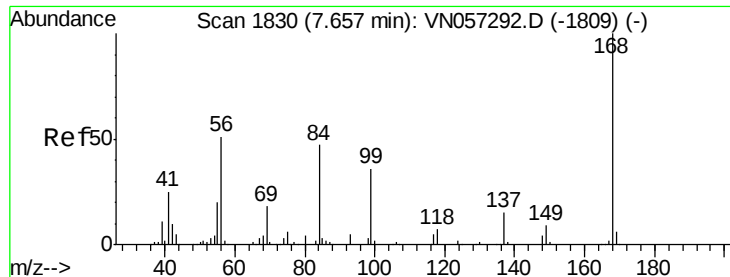
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 884666

Ion Ratio Lower Upper

168 100

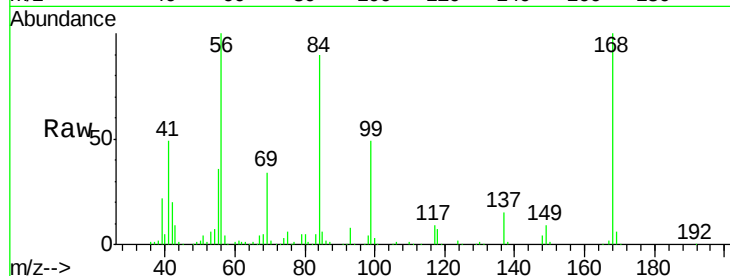
99 48.5 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

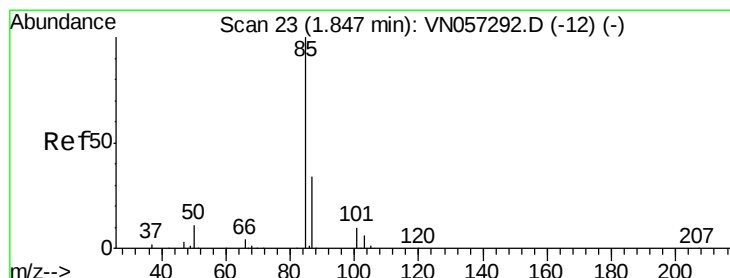
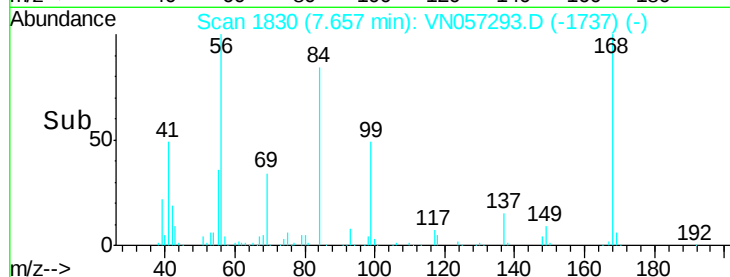
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 96.241 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057293.D

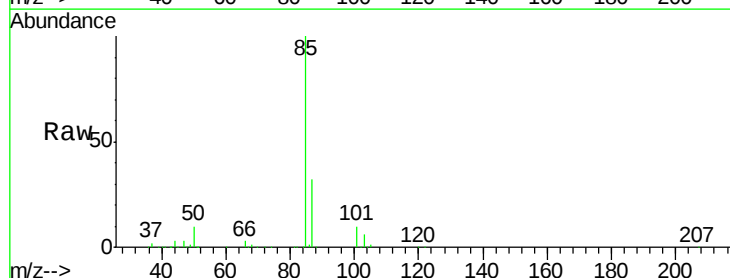
Acq: 14 Aug 2019 17:51

Tgt Ion: 85 Resp: 713476

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

1.85

500000

400000

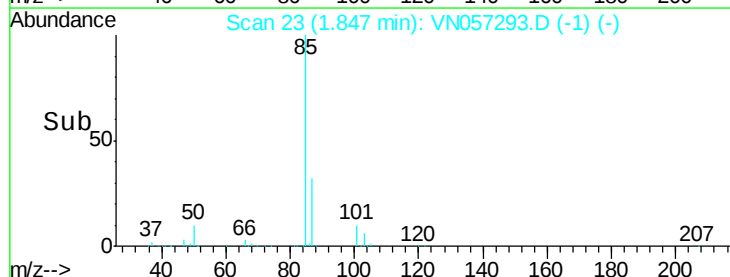
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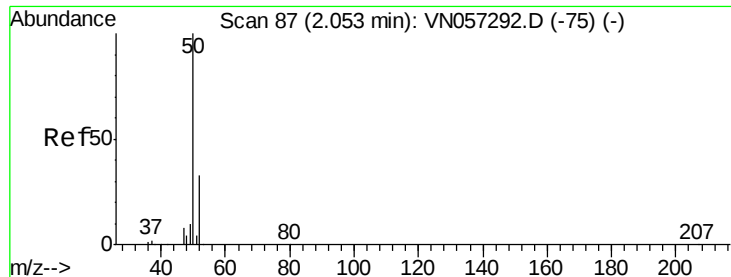
200000

100000

0

Time-->





#3

Chloromethane

Concen: 96.291 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 810041

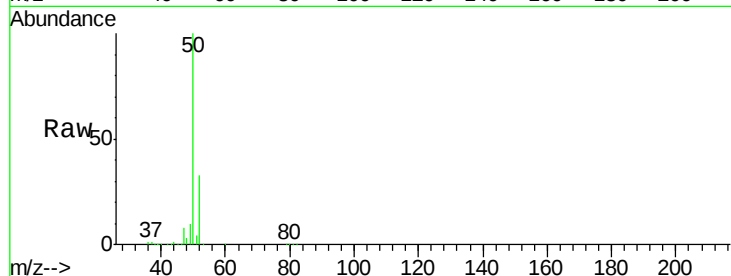
Ion Ratio Lower Upper

50 100

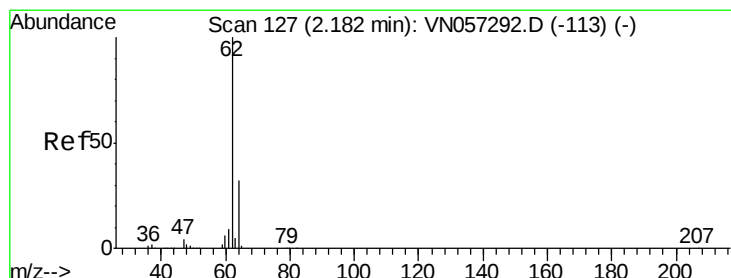
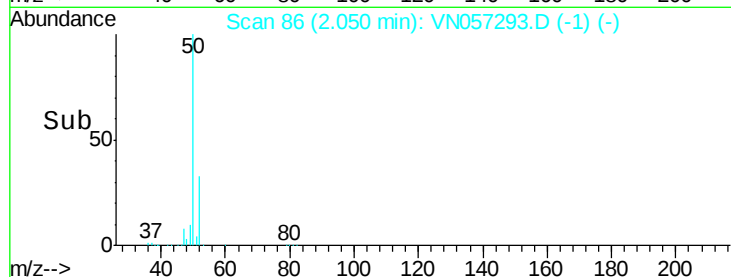
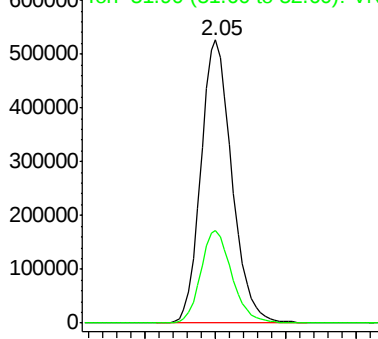
52 32.8 26.8 40.2

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 97.930 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057293.D

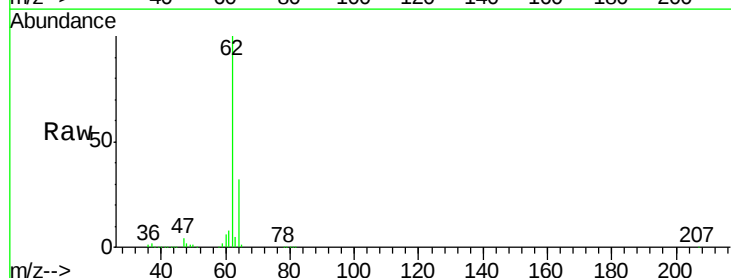
Acq: 14 Aug 2019 17:51

Tgt Ion: 62 Resp: 798322

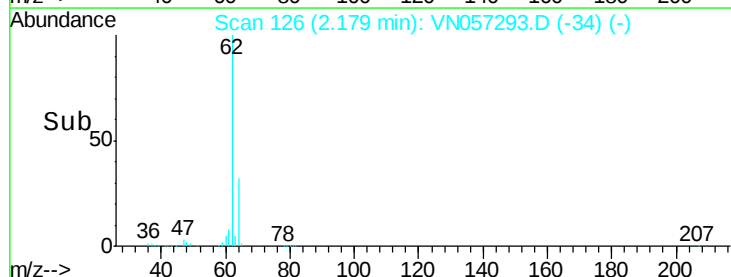
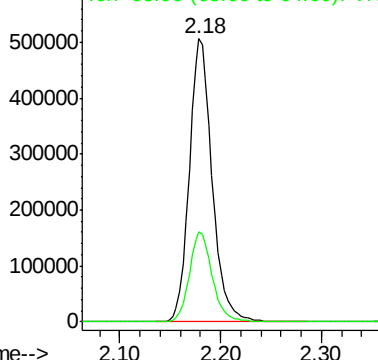
Ion Ratio Lower Upper

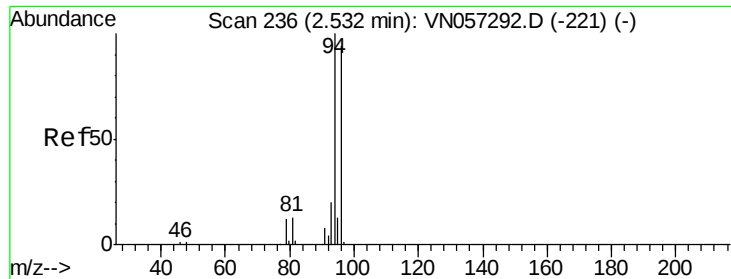
62 100

64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 99.875 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 573634

Ion Ratio Lower Upper

94 100

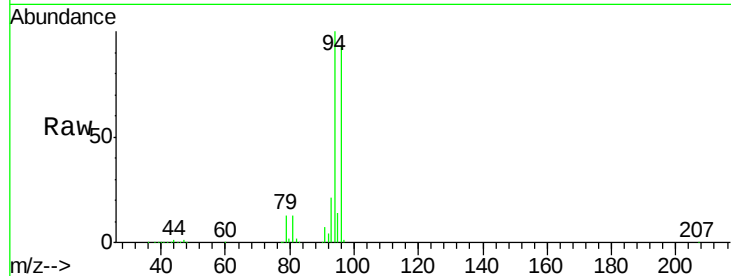
96 93.4 75.0 112.6

Manual Integrations

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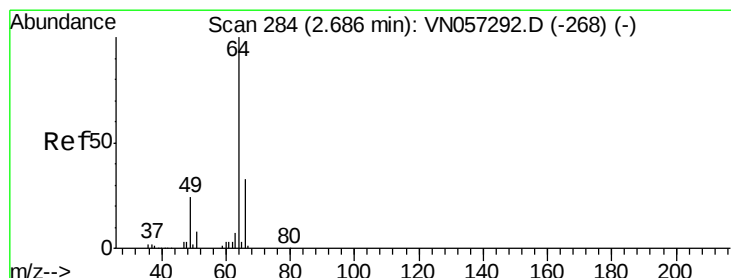
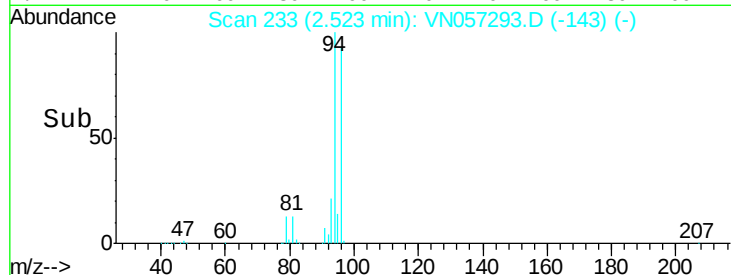
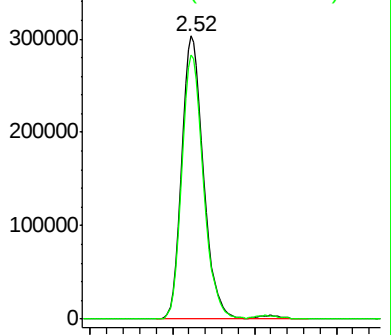
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 102.583 ug/l m

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN057293.D

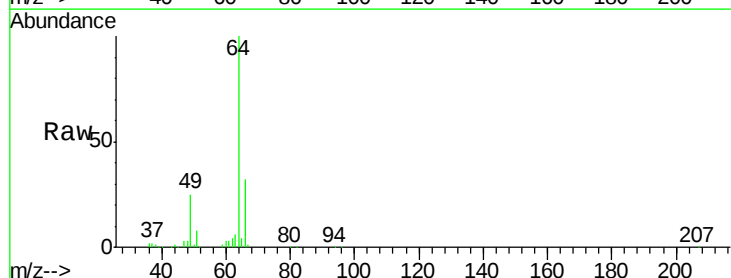
Acq: 14 Aug 2019 17:51

Tgt Ion: 64 Resp: 541993

Ion Ratio Lower Upper

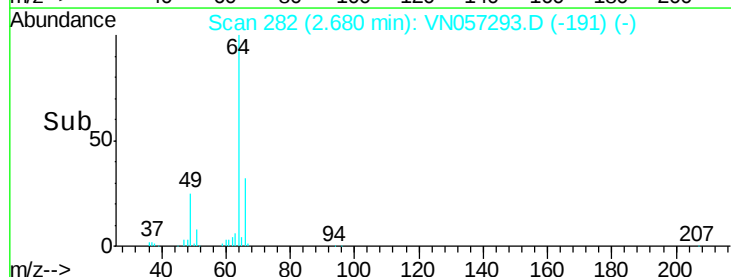
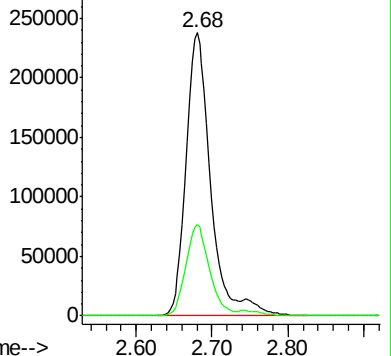
64 100

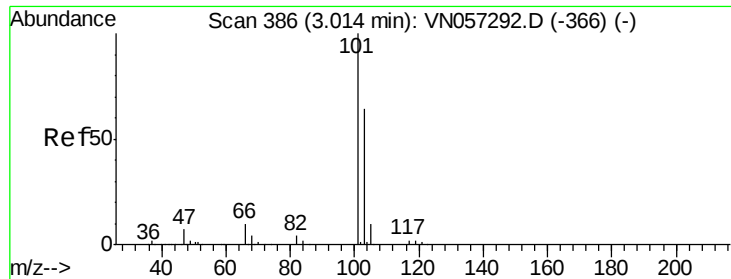
66 32.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

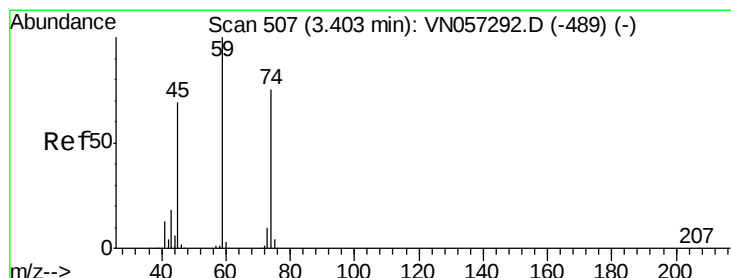
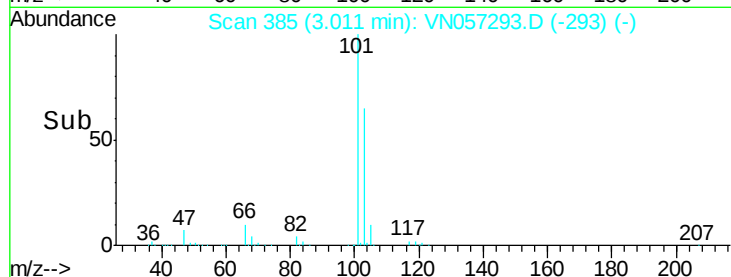
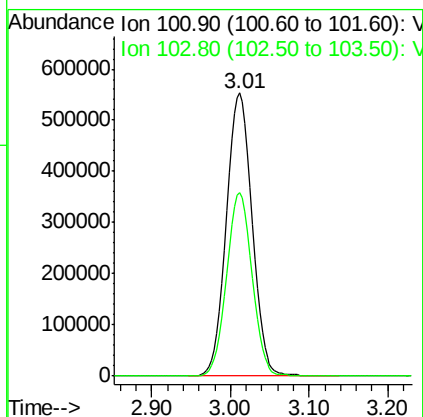
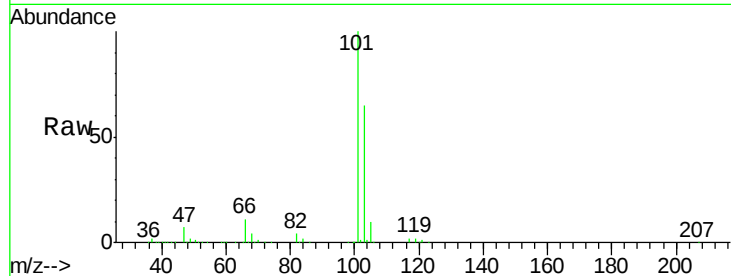
Trichlorofluoromethane
 Concen: 97.210 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1251965
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3

Manual Integrations
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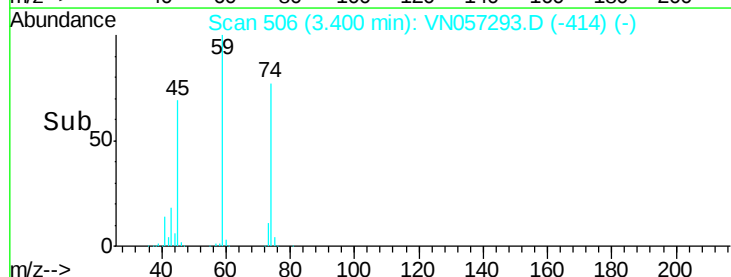
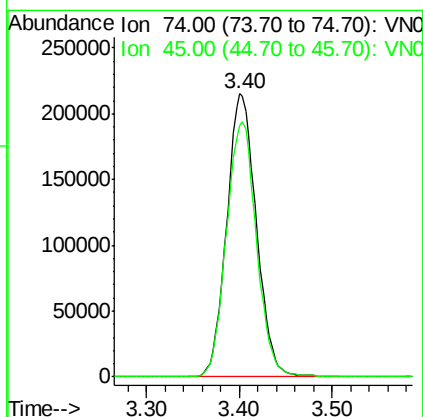
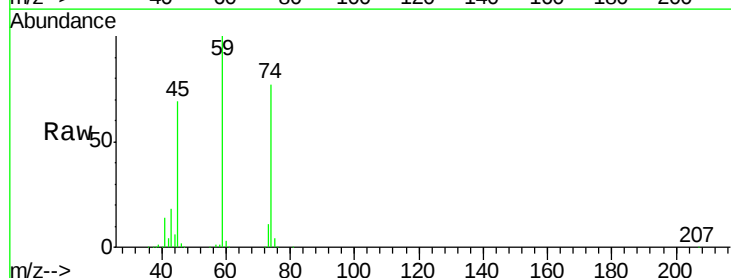
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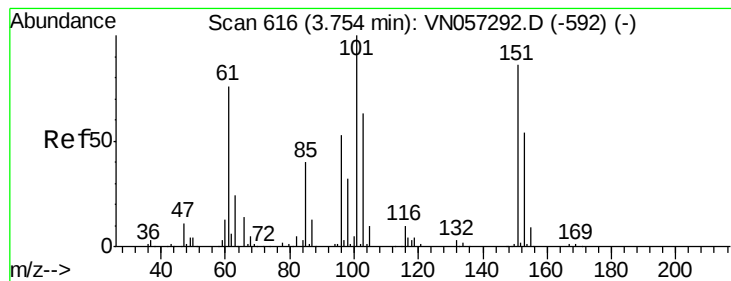


#8

Diethyl Ether
 Concen: 101.599 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 74 Resp: 477130
 Ion Ratio Lower Upper
 74 100
 45 91.2 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.942 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

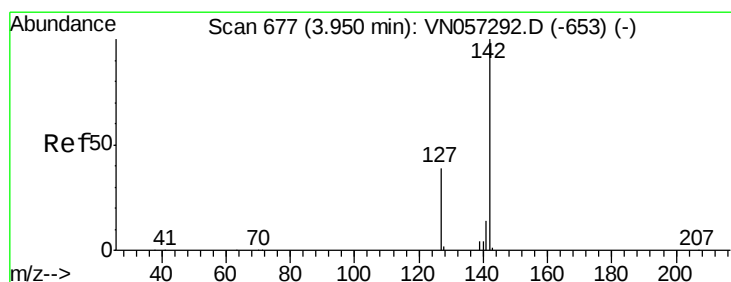
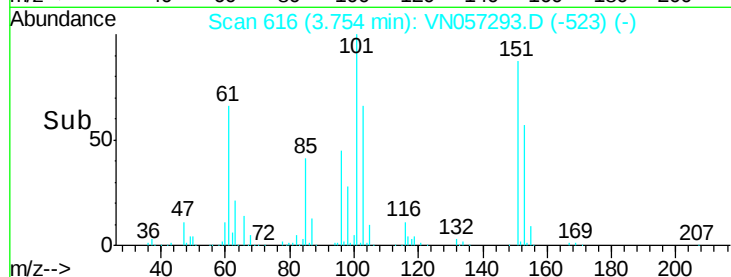
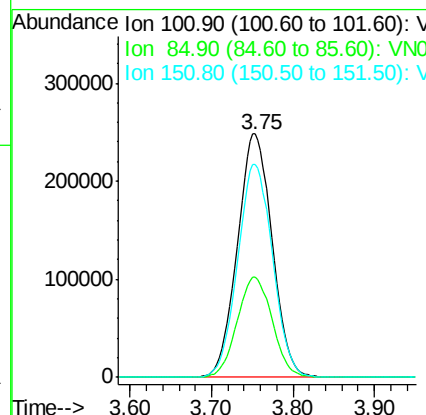
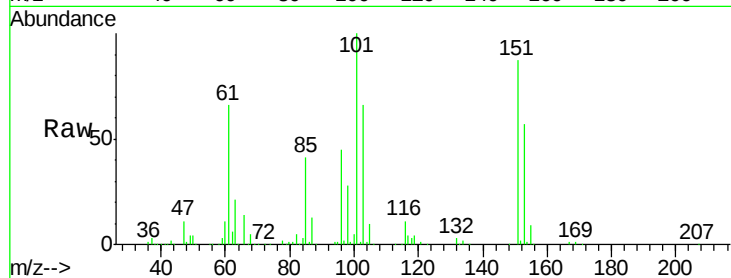
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	733607
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.7	49.1
151	88.3	69.1	103.7

Manual Integrations
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MMdadoda
8/19/2019 1:53:17 AM



#10

Methyl Iodide

Concen: 104.267 ug/l

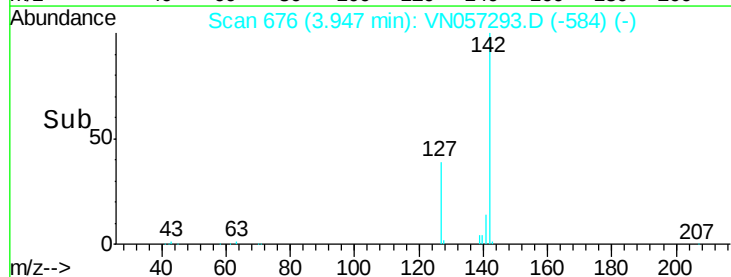
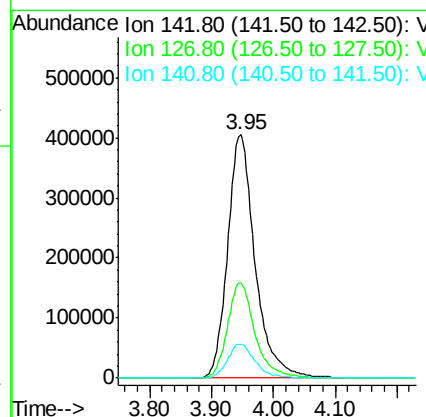
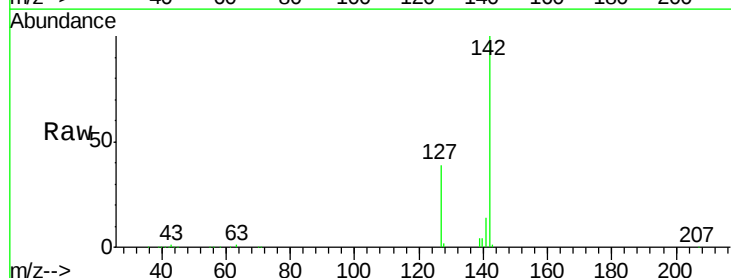
RT: 3.95 min Scan# 676

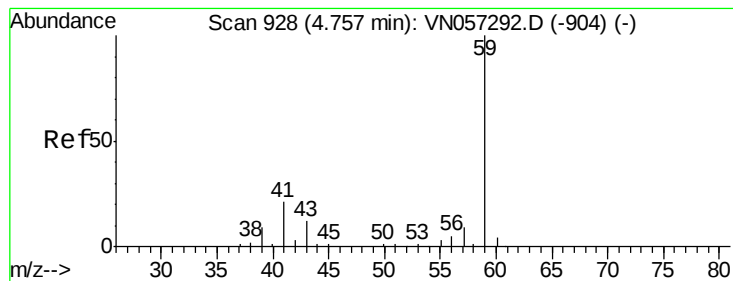
Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion:	142	Resp:	1249232
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.6	47.4
141	14.2	11.2	16.8





#11

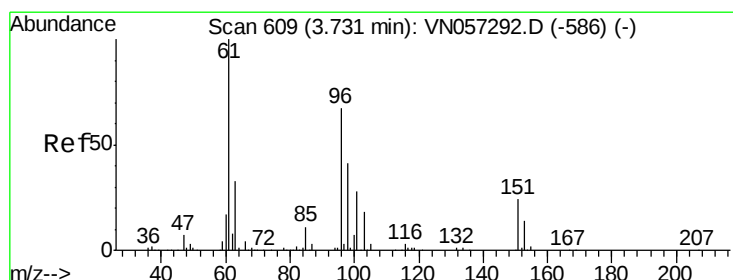
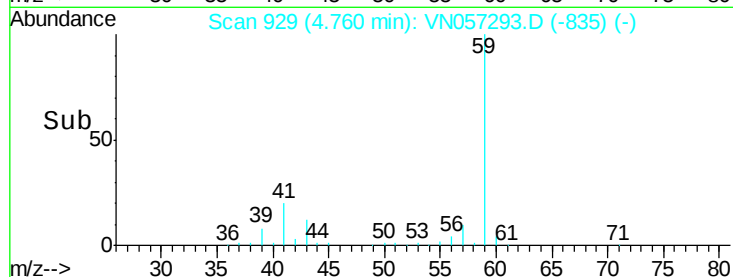
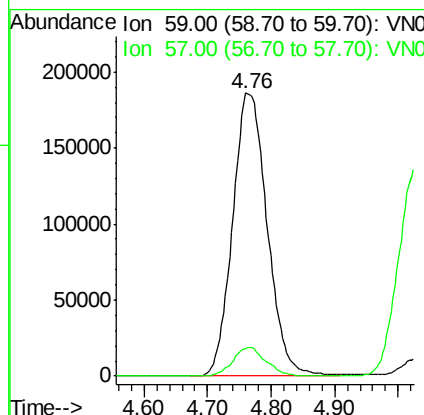
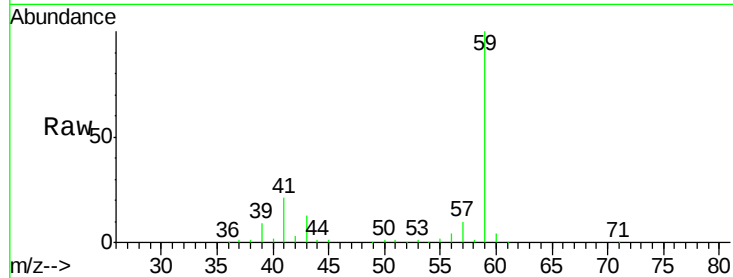
Tert butyl alcohol
Concen: 574.642 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	703588		
57	57	9.8		8.2	12.2

Manual Integrations
APPROVED

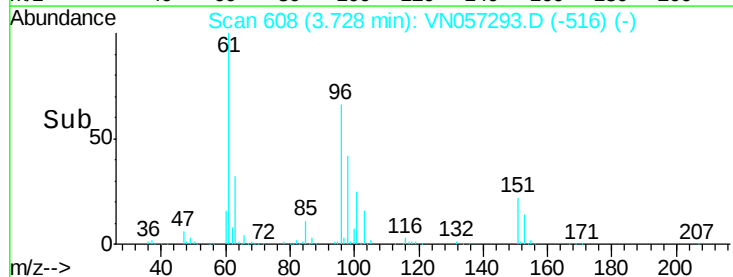
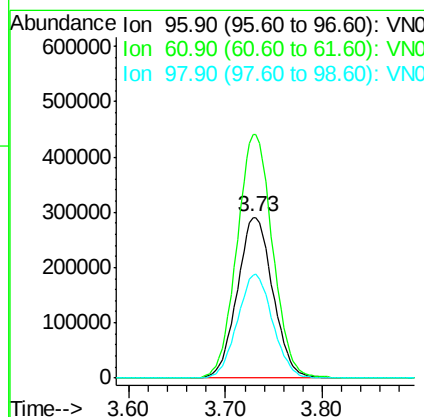
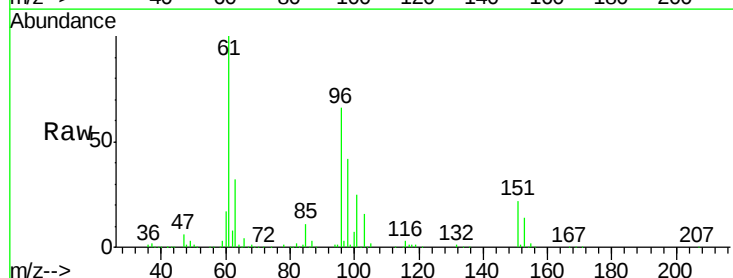
MMdadoda
8/19/2019 1:53:17 AM

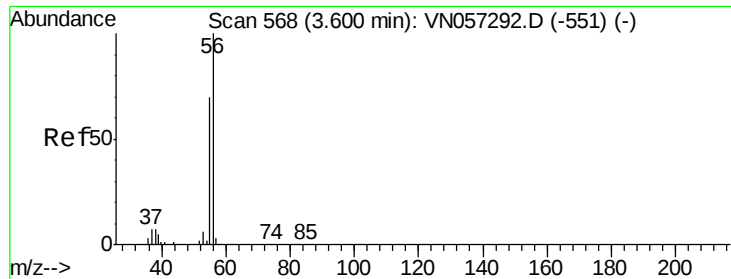


#12

1,1-Dichloroethene
Concen: 96.738 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	743476		
61	61	151.4		119.7	179.5
98	98	64.3		49.0	73.4





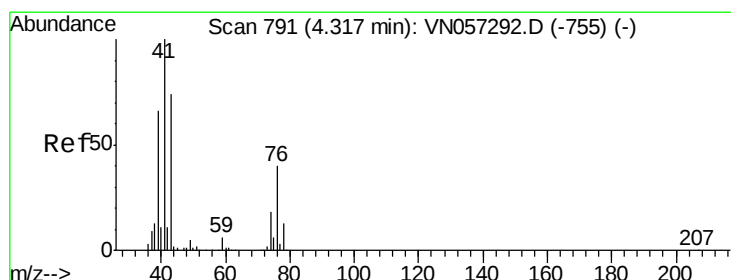
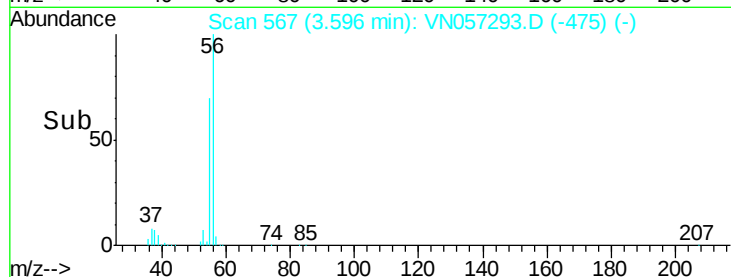
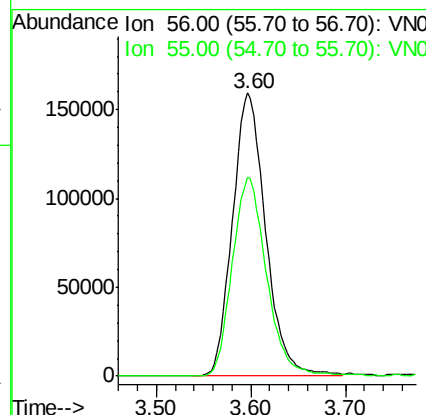
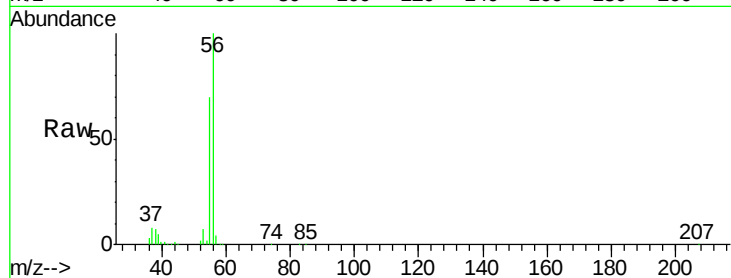
#13
Acrolein
Concen: 461.514 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.6	84.8

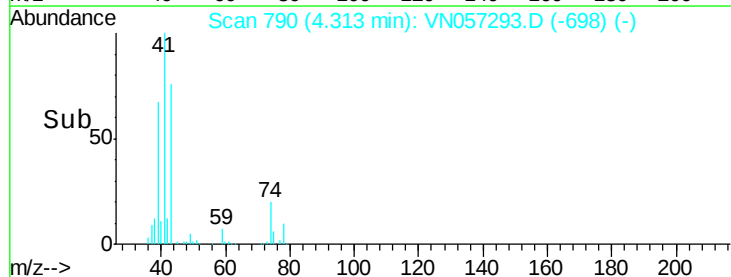
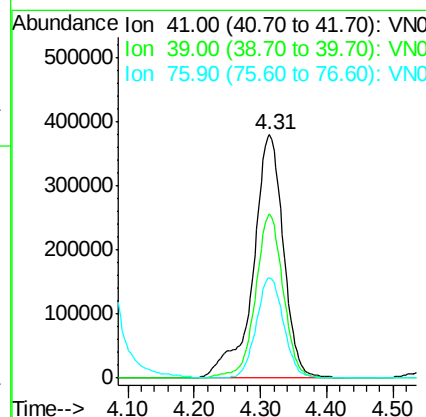
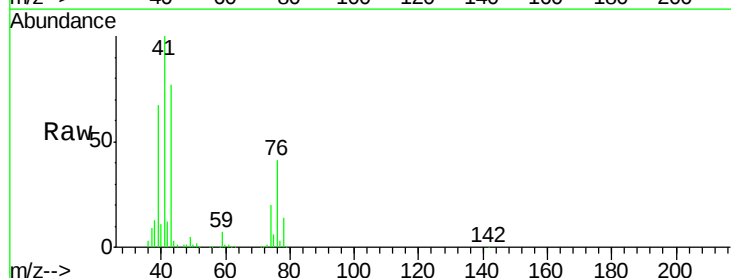
Manual Integrations
APPROVED

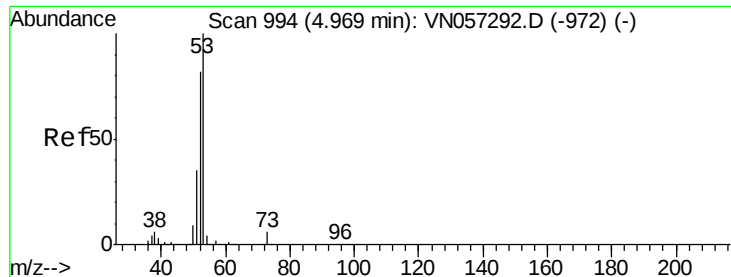
MMdadoda
8/19/2019 1:53:17 AM



#14
Allyl chloride
Concen: 102.812 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	49.0	73.6
76	36.8	29.0	43.4





#15

Acrylonitrile

Concen: 556.029 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1898582

Ion Ratio Lower Upper

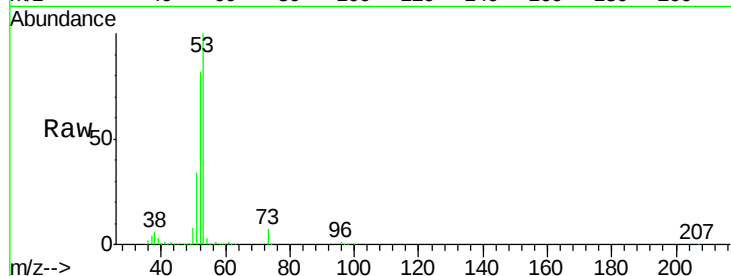
53 100

52 81.6 66.2 99.2

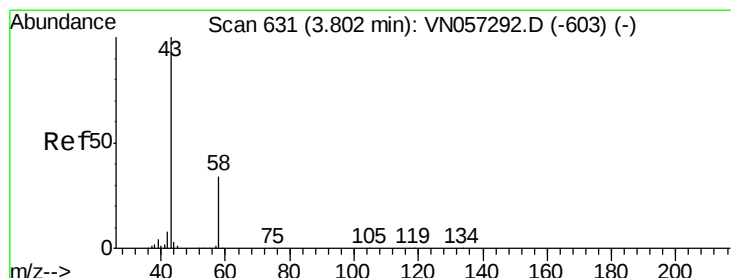
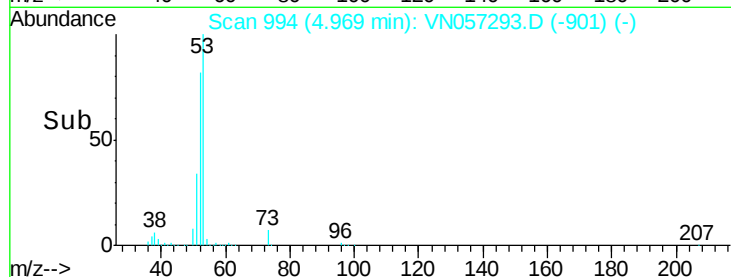
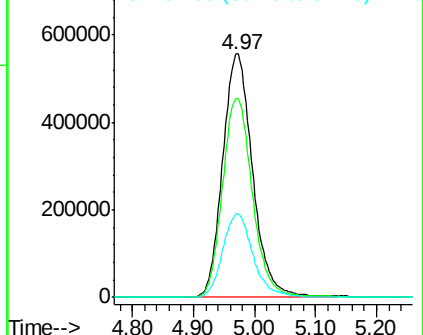
51 34.8 28.5 42.7

Manual Integrations
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MMDadoda
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Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO



#16

Acetone

Concen: 501.840 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057293.D

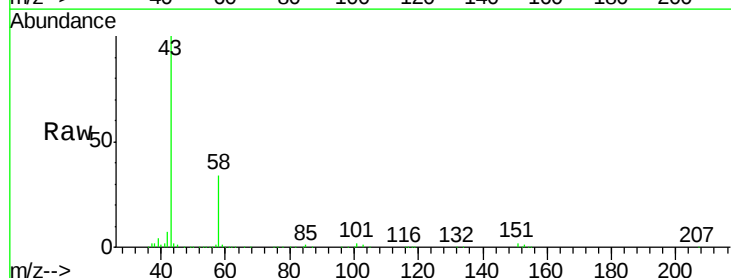
Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 1536538

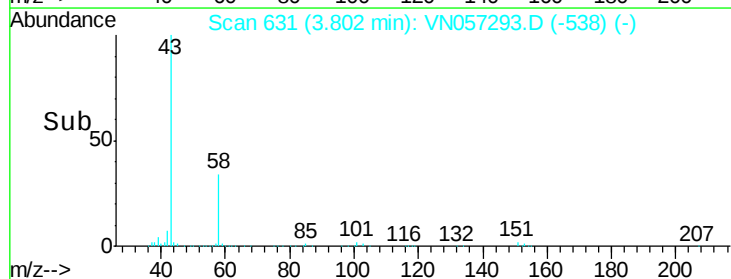
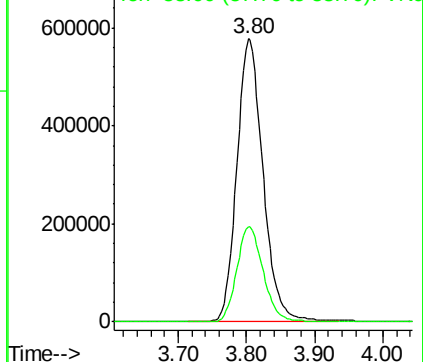
Ion Ratio Lower Upper

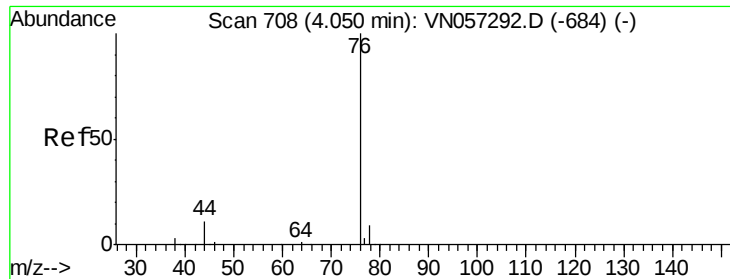
43 100

58 33.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 97.154 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 2031574

Ion Ratio Lower Upper

76 100

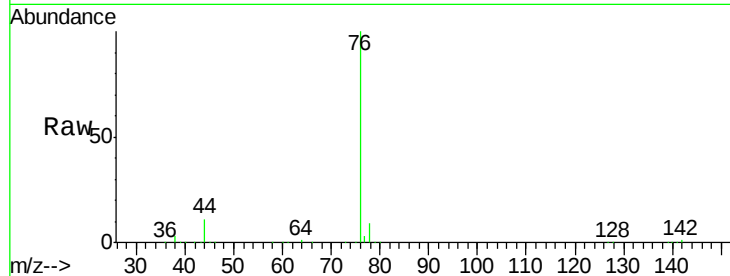
78 9.1 7.0 10.6

Manual Integrations

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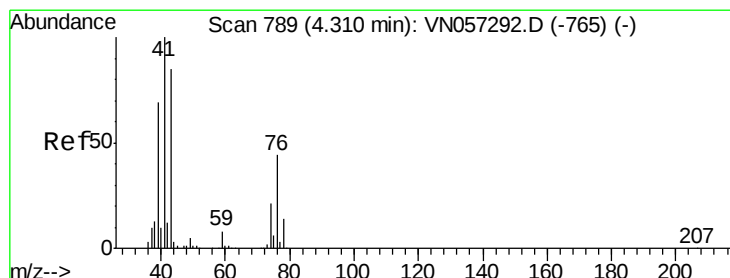
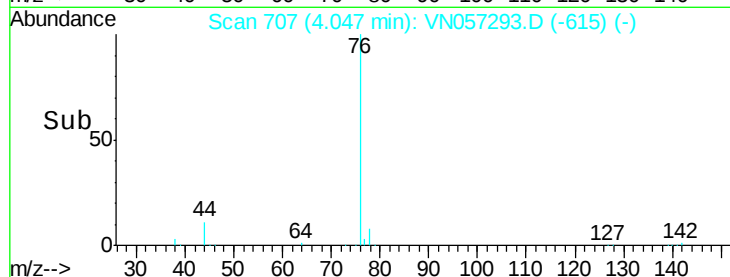
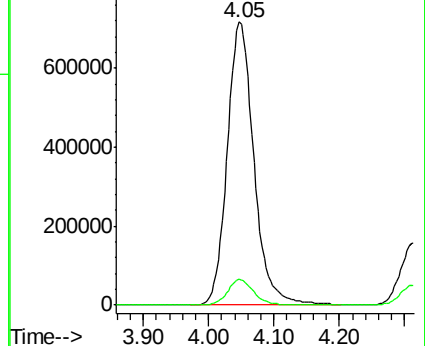
MMdadoda

8/19/2019 1:53:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 82.600 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057293.D

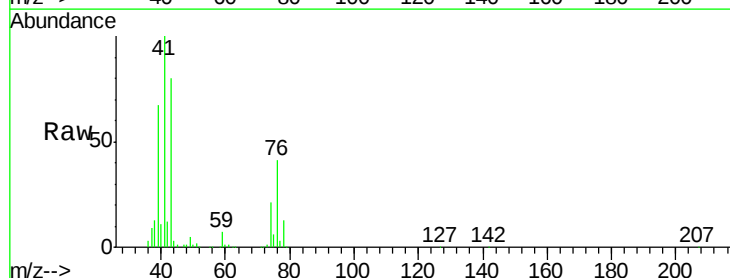
Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 868106

Ion Ratio Lower Upper

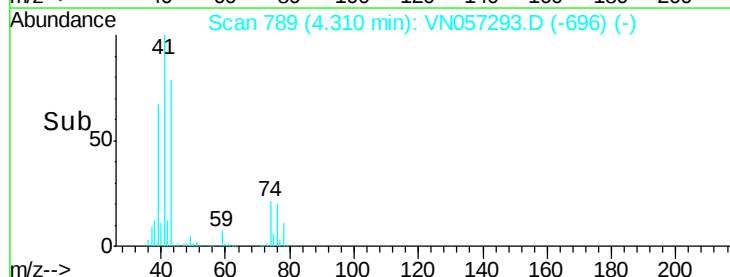
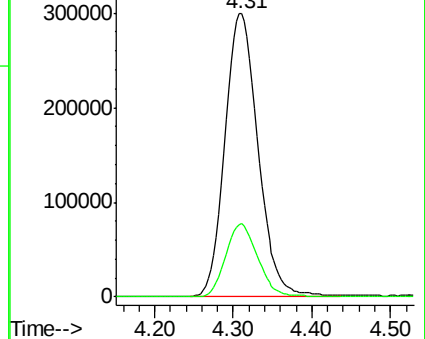
43 100

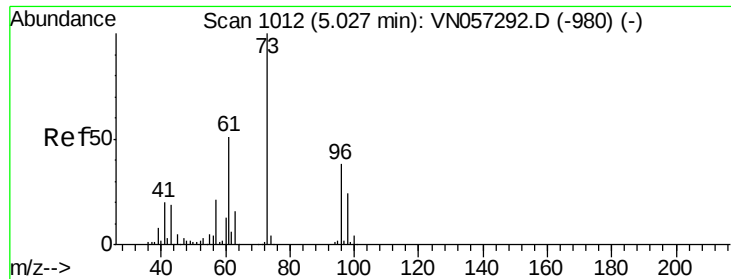
74 25.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





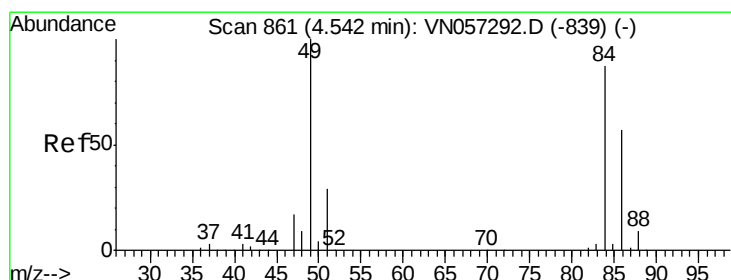
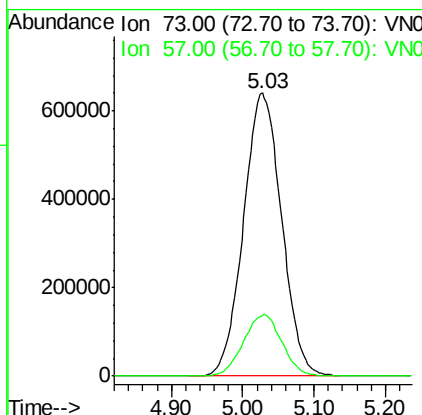
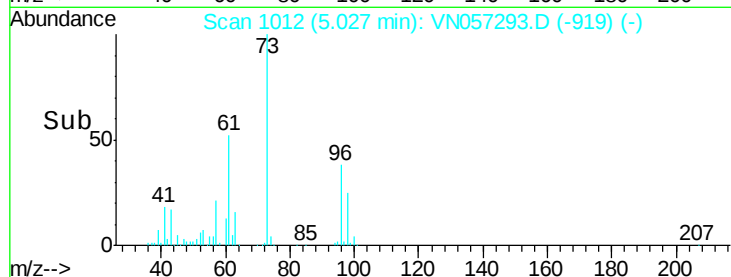
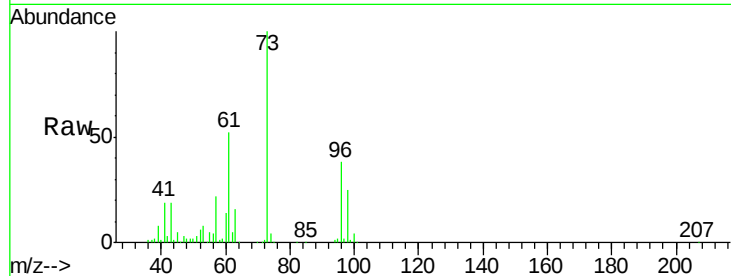
#19
Methvl tert-butvl Ether
Concen: 102.946 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2376763
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3

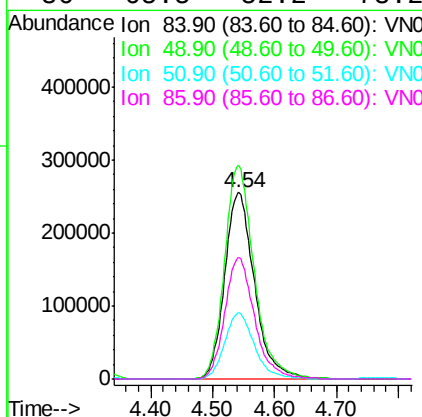
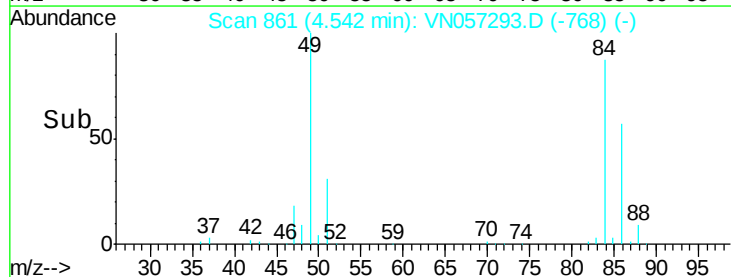
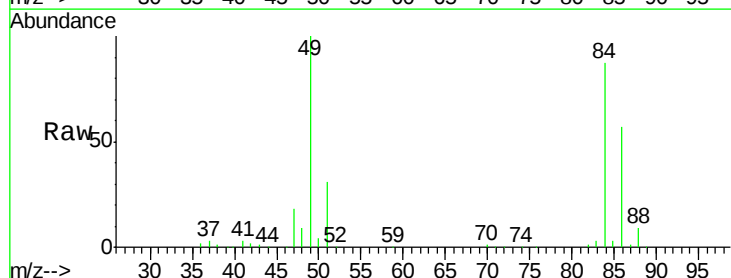
Manual Integrations
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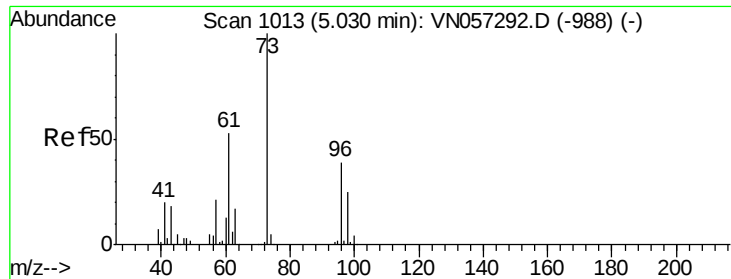
MMdadoda
8/19/2019 1:53:17 AM



#20
Methylene Chloride
Concen: 95.753 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 84 Resp: 856875
Ion Ratio Lower Upper
84 100
49 114.3 92.0 138.0
51 35.5 27.1 40.7
86 65.5 52.2 78.2





#21

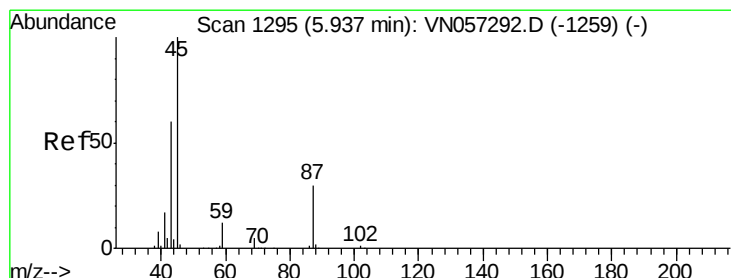
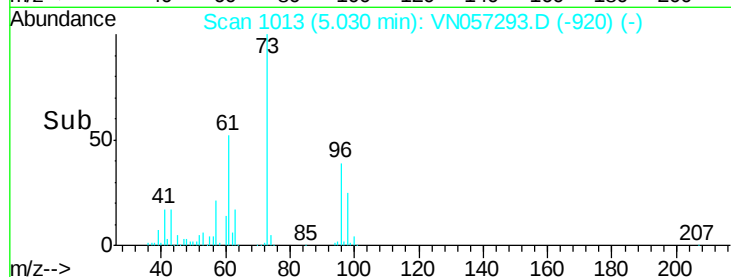
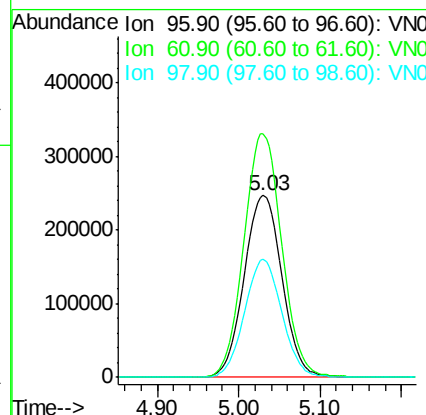
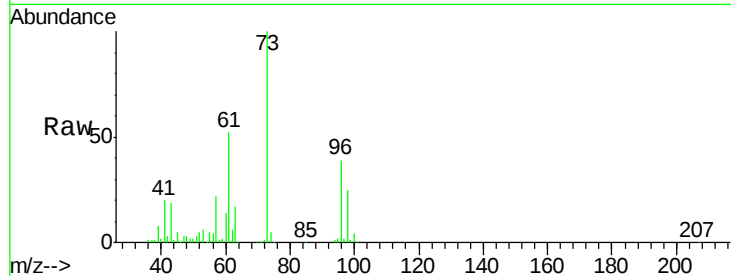
trans-1,2-Dichloroethene
Concen: 97.053 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	109.5	164.3
98	64.9	51.0	76.6

Manual Integrations
APPROVED

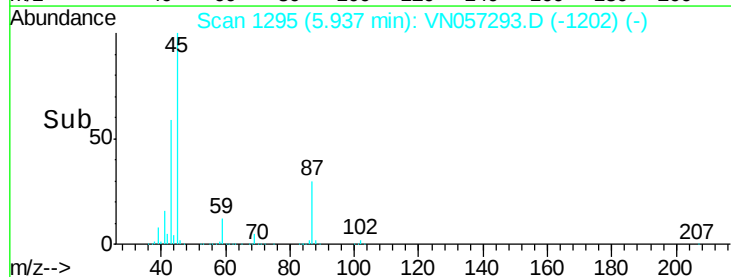
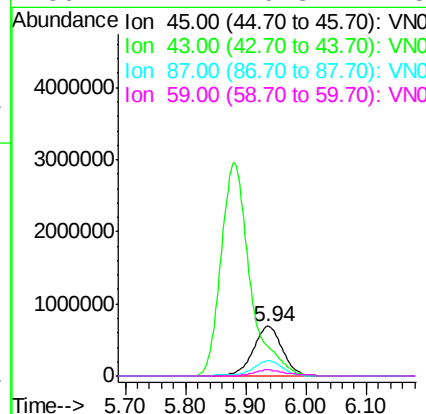
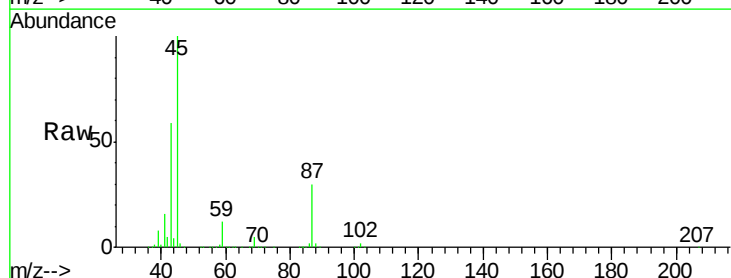
MMdadoda
8/19/2019 1:53:17 AM

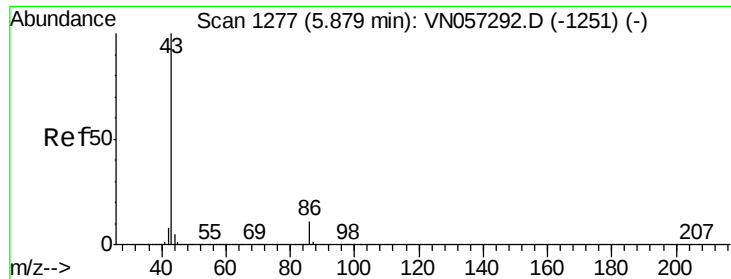


#22

Diisopropyl ether
Concen: 101.132 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.3	72.5
87	30.4	24.6	36.8
59	12.2	9.8	14.8





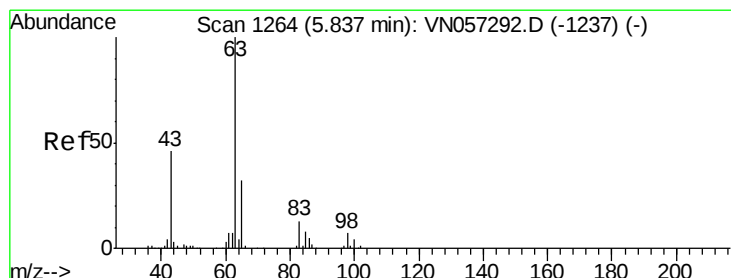
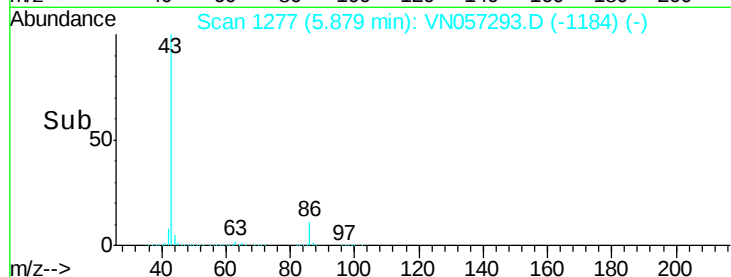
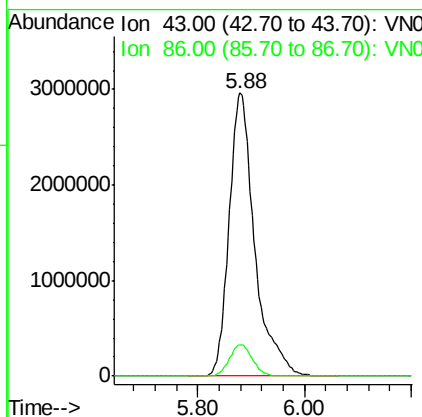
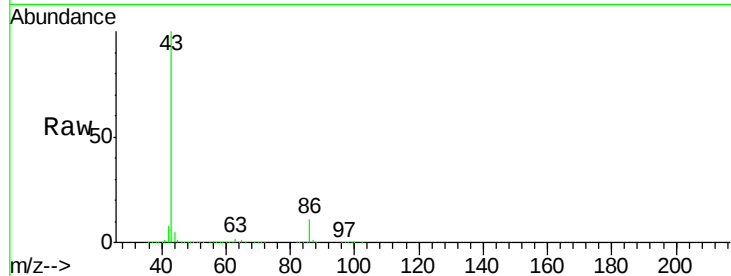
#23
 Vinyl Acetate
 Concen: 536.655 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 9842241
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.7 13.1

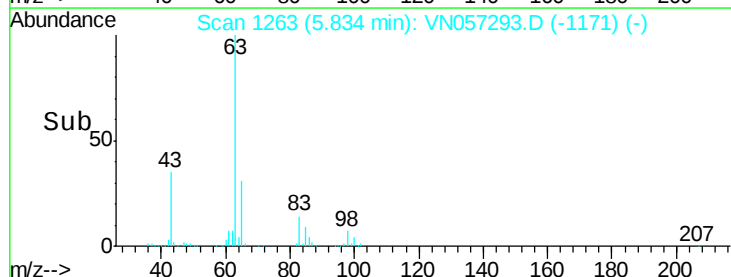
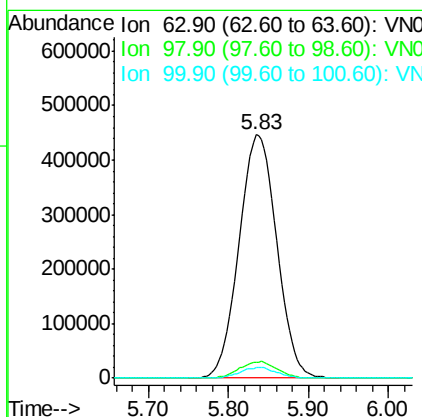
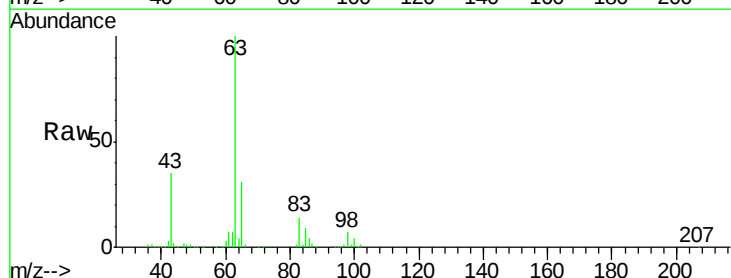
Manual Integrations
 APPROVED

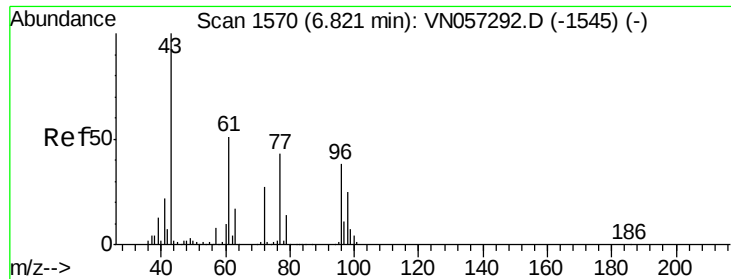
MMdadoda
 8/19/2019 1:53:17 AM



#24
 1,1-Dichloroethane
 Concen: 98.736 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 63 Resp: 1430227
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 543.828 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tot Ion: 43 Resp: 2390319

Ion Ratio Lower Upper

43 100

72 28.8 21.5 32.3

Instrument :

MSVOA_N

ClientSampleId :

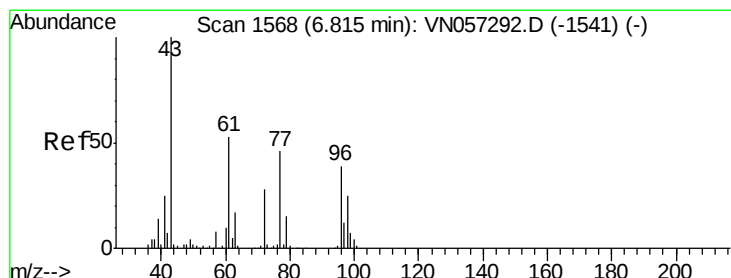
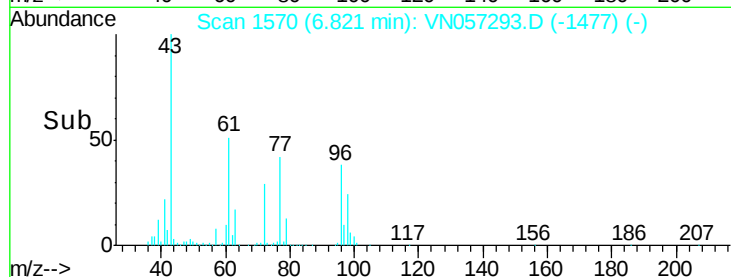
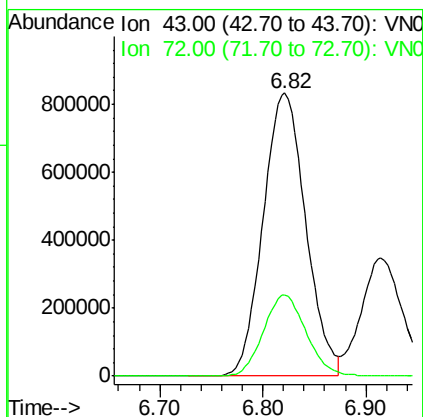
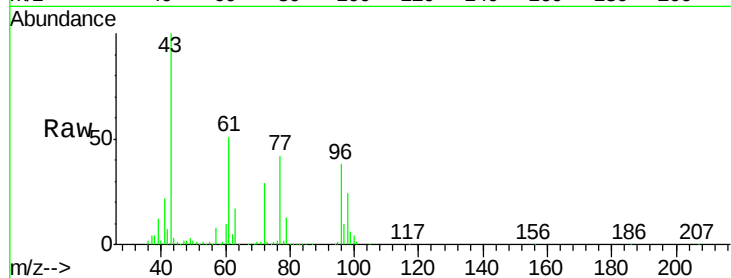
VSTDIC100

Manual Integrations

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MMdadoda

8/19/2019 1:53:17 AM



#26

2,2-Dichloropropane

Concen: 100.629 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057293.D

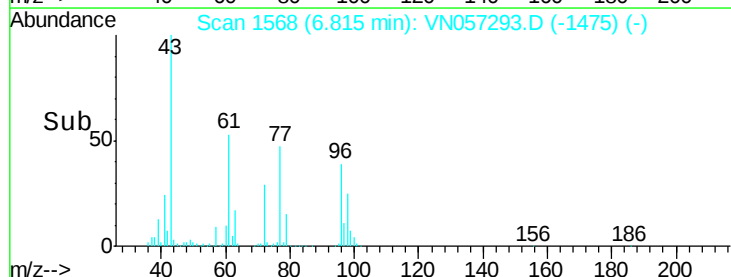
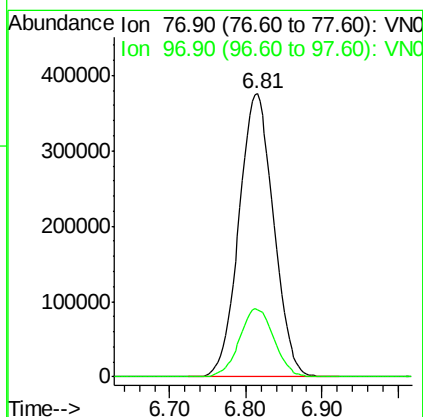
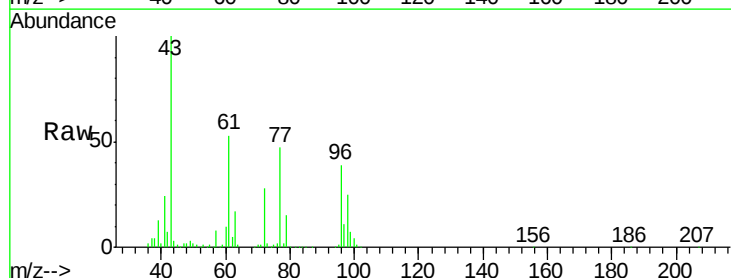
Acq: 14 Aug 2019 17:51

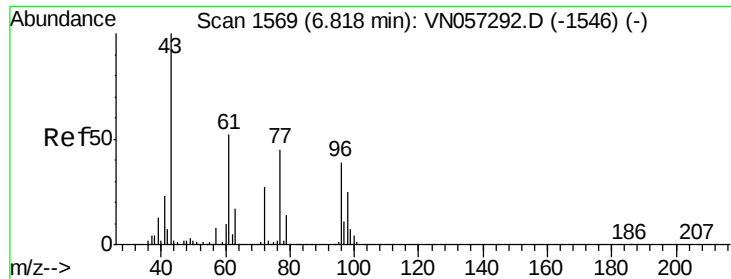
Tgt Ion: 77 Resp: 1189454

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 99.342 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

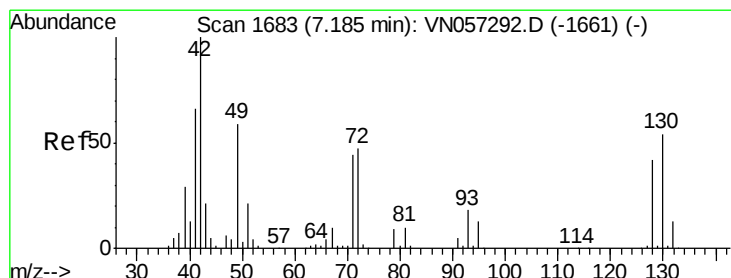
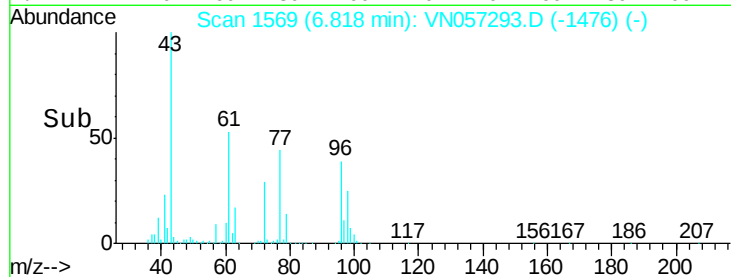
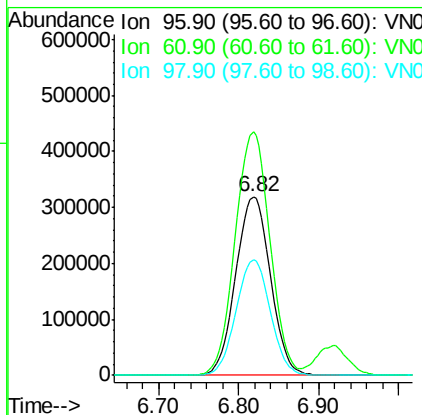
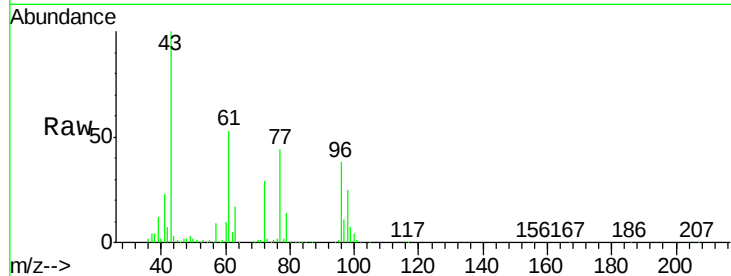
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	136.4	0.0	272.0		
98	63.9	0.0	130.4		

Manual Integrations
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#28

Bromochloromethane

Concen: 99.157 ug/l

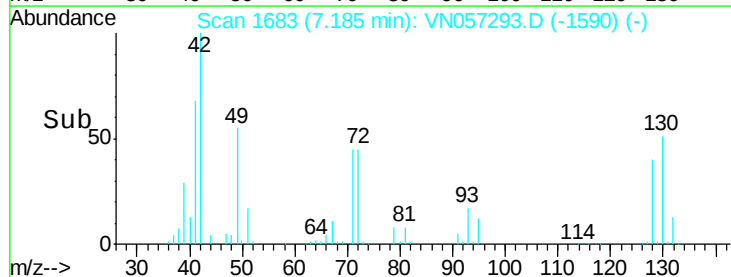
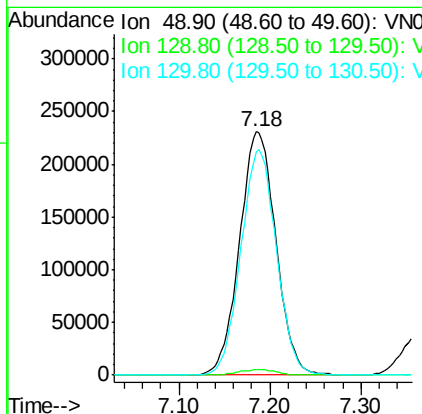
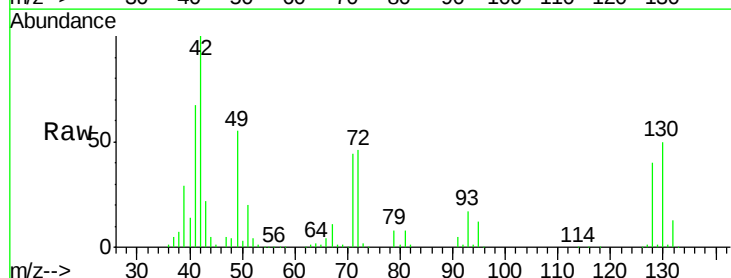
RT: 7.18 min Scan# 1683

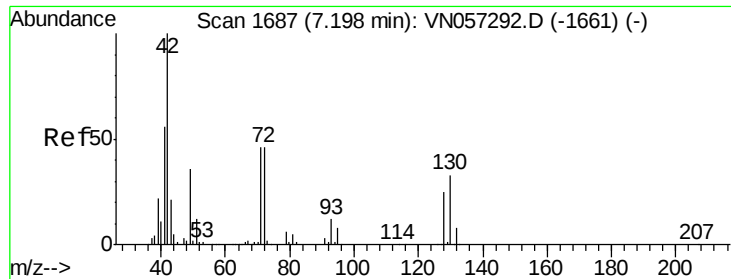
Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.4	0.0	2.0#		
130	91.2	73.2	109.8		





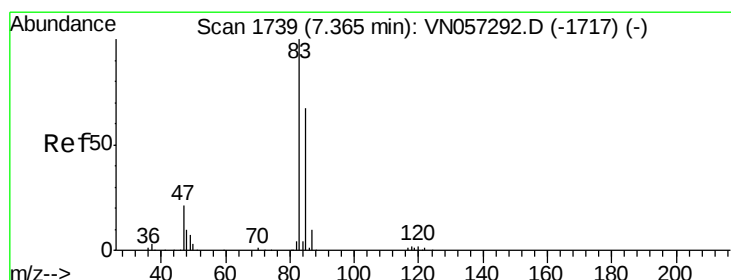
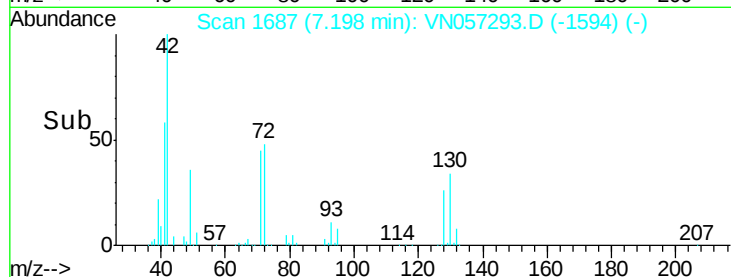
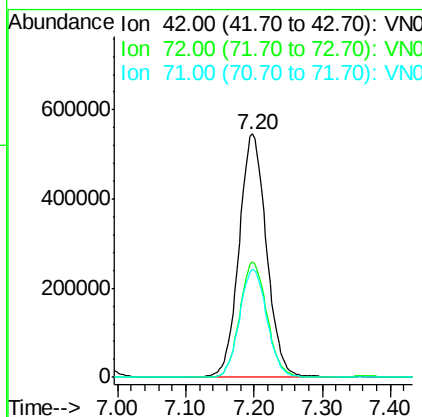
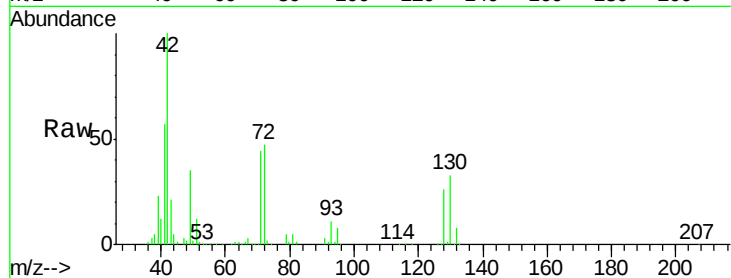
#29
Tetrahydrofuran
Concen: 543.697 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.8	56.6
71	44.3	35.7	53.5

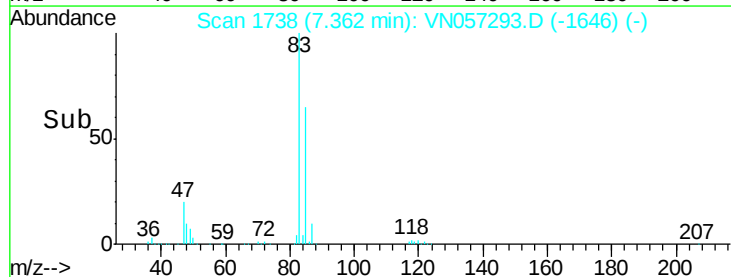
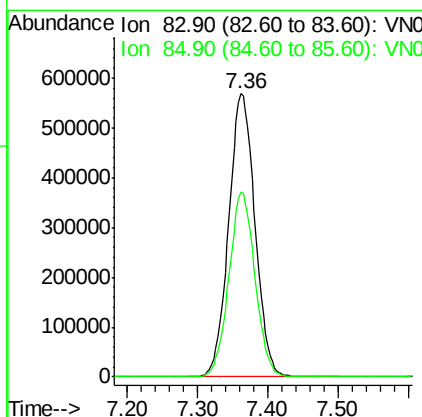
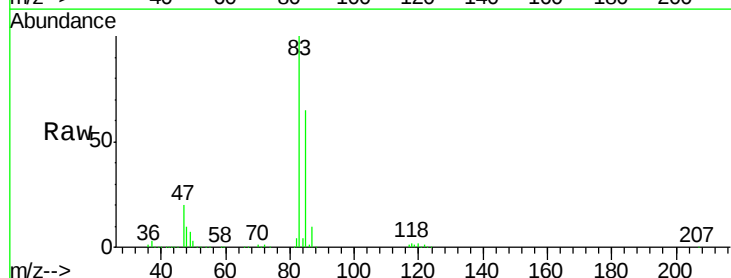
Manual Integrations
APPROVED

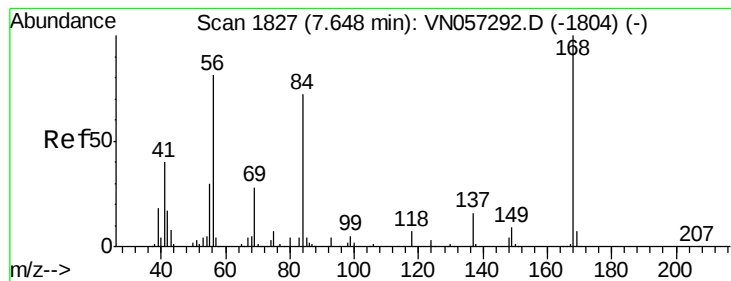
MMdadoda
8/19/2019 1:53:17 AM



#30
Chloroform
Concen: 97.558 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.3	79.9





#31

Cyclohexane

Concen: 95.487 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1202369

Ion Ratio Lower Upper

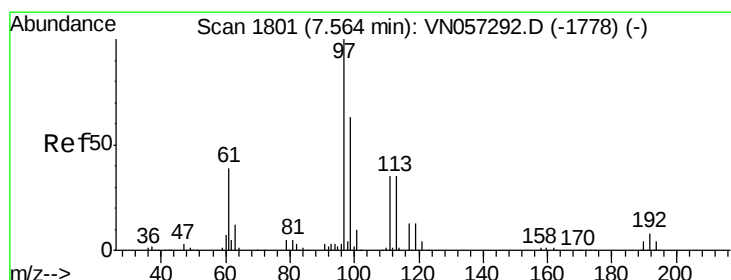
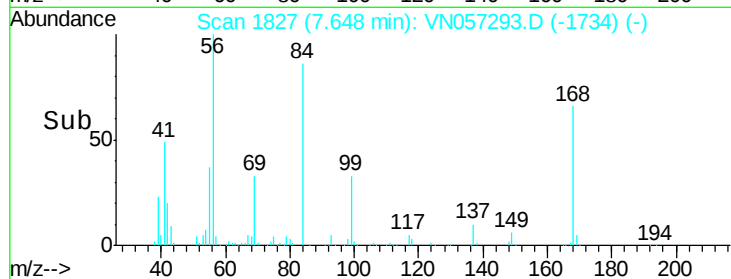
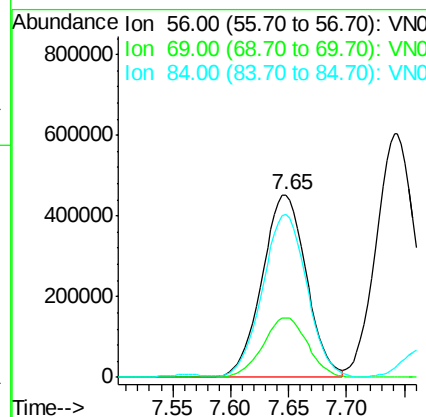
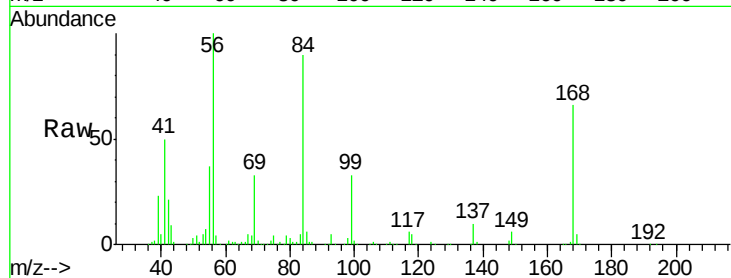
56 100

69 32.7 27.3 40.9

84 88.0 71.0 106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 101.510 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

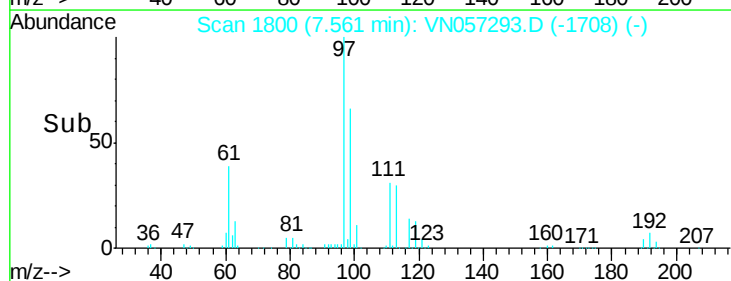
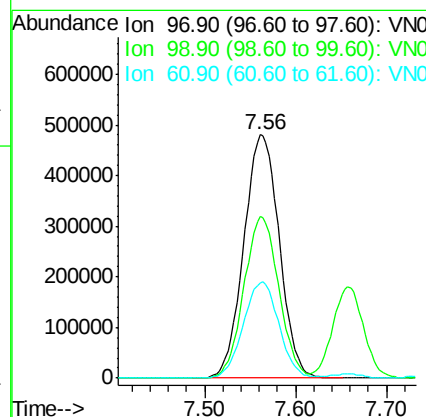
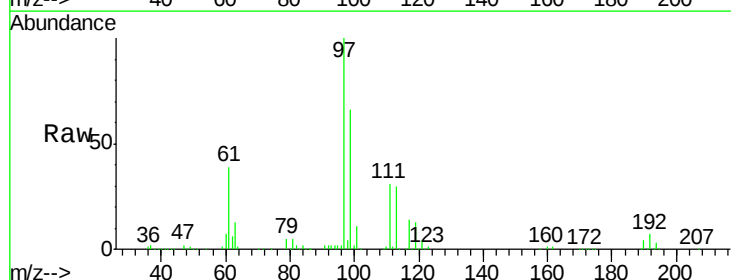
Tgt Ion: 97 Resp: 1301169

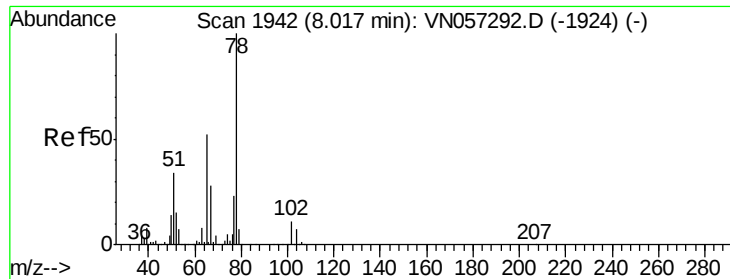
Ion Ratio Lower Upper

97 100

99 65.4 50.3 75.5

61 39.7 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 103.623 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 923725

Ion Ratio Lower Upper

65 100

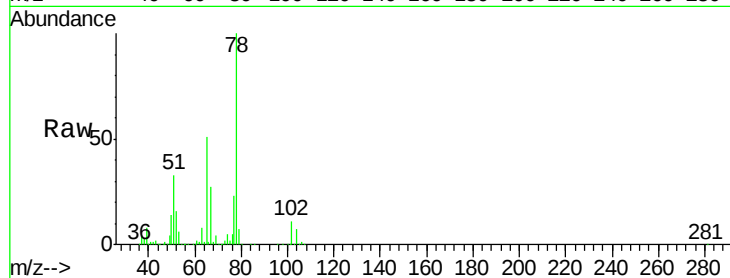
67 53.3 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

400000

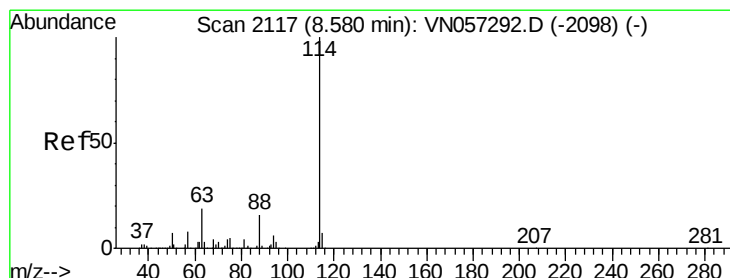
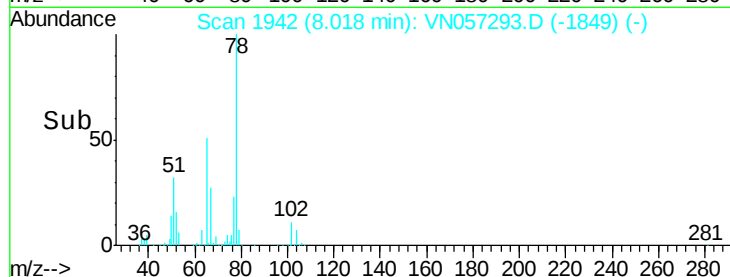
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

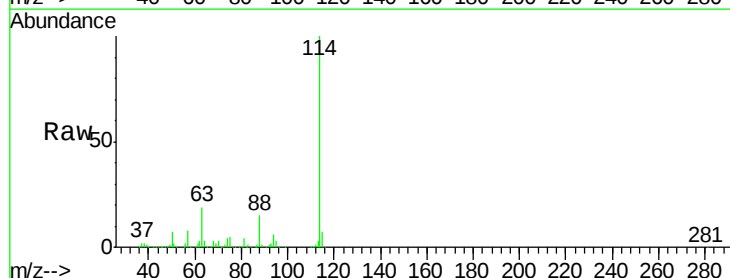
Tgt Ion:114 Resp: 1293160

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

800000

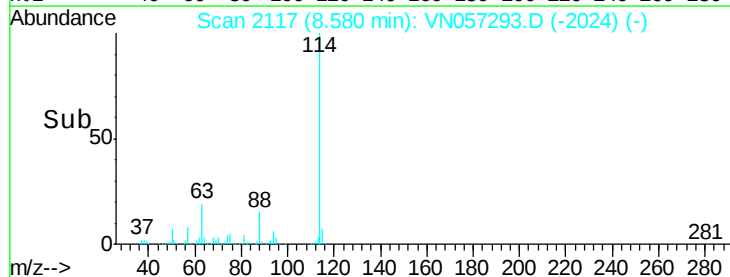
600000

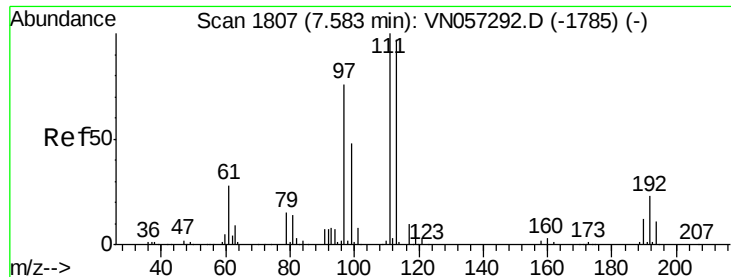
400000

200000

0

Time-->





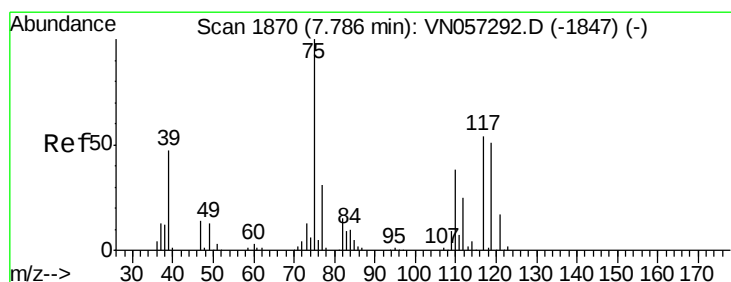
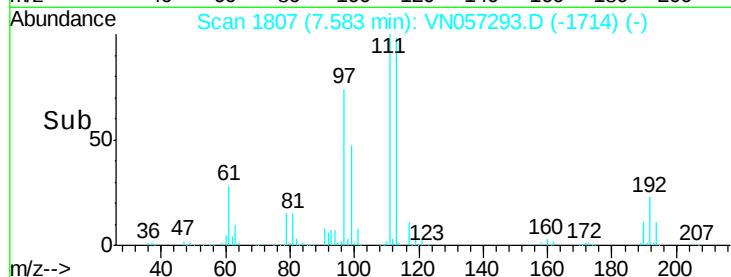
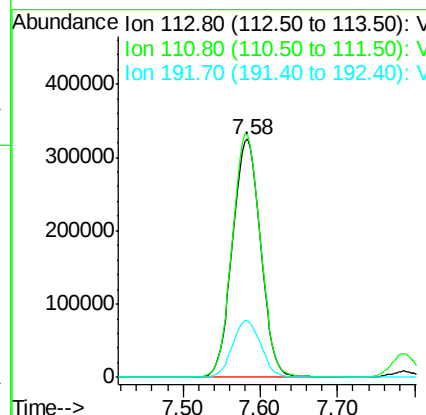
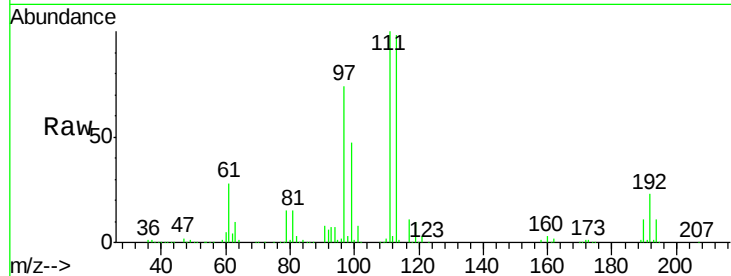
#35
 Dibromofluoromethane
 Concen: 99.985 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.1	123.1	
192	23.8	19.3	28.9	

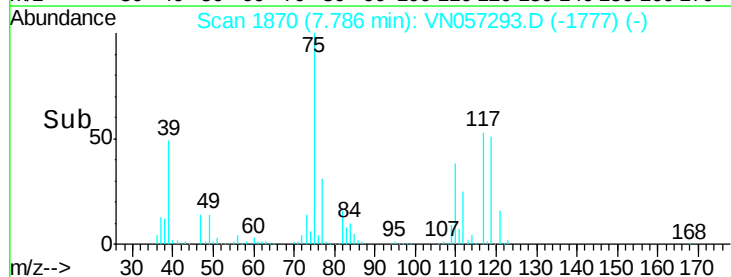
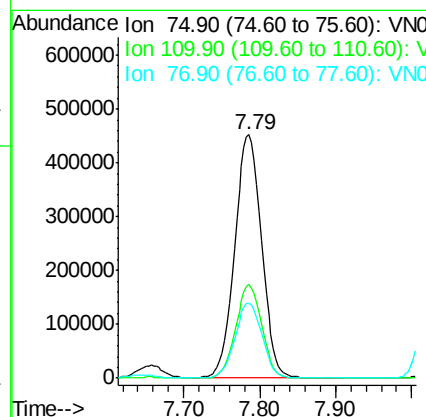
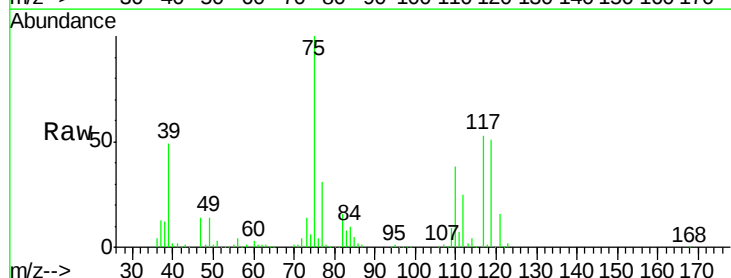
Manual Integrations
 APPROVED

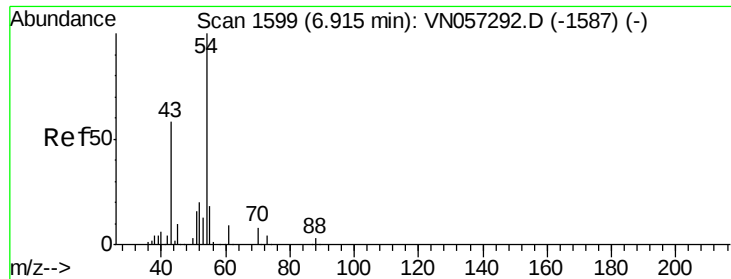
MMdadoda
 8/19/2019 1:53:17 AM



#36
 1,1-Dichloropropene
 Concen: 98.326 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	19.5	58.5	
77	31.3	25.0	37.6	





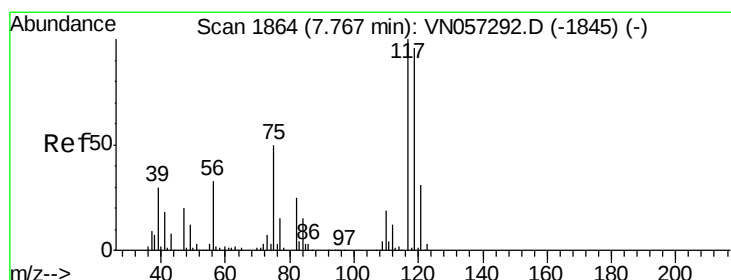
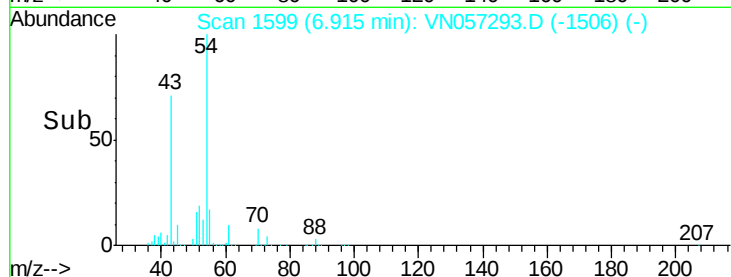
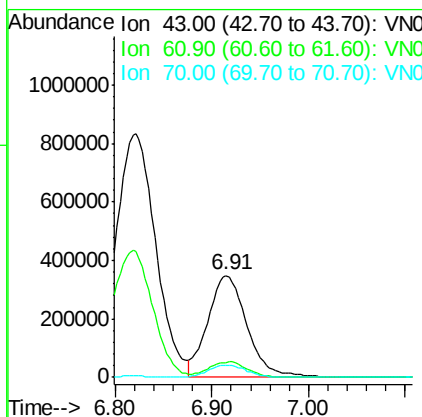
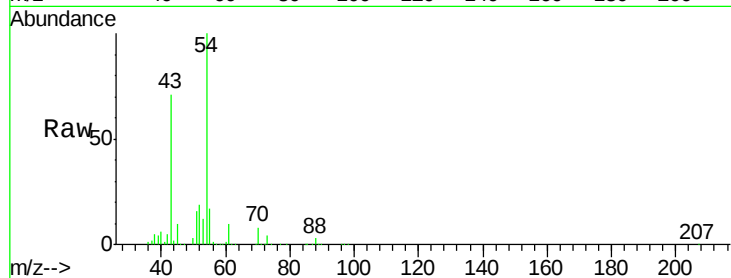
#37
Ethyl Acetate
Concen: 105.474 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	11.6	9.2	13.8

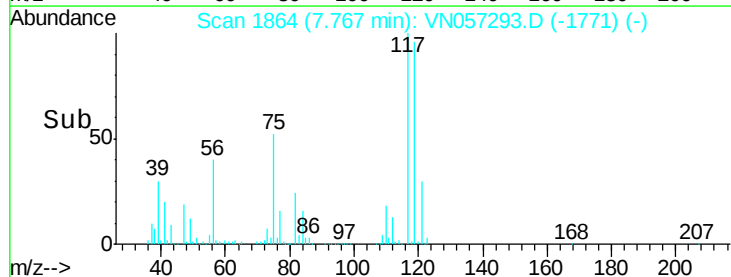
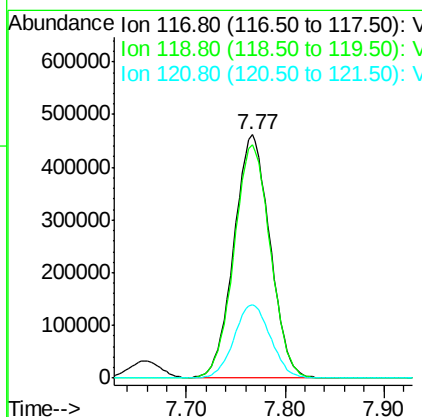
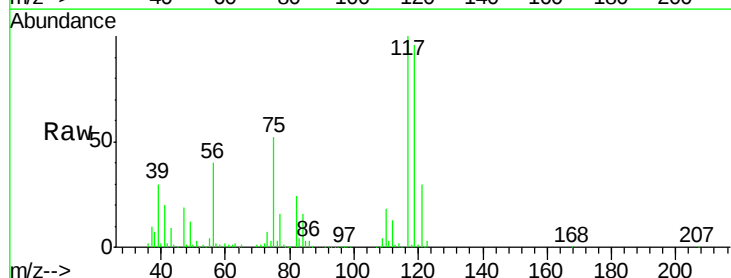
Manual Integrations
APPROVED

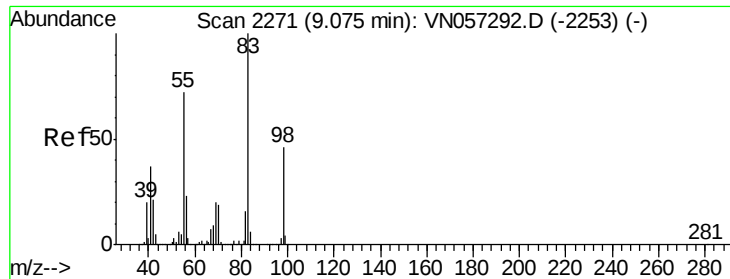
MMDadoda
8/19/2019 1:53:17 AM



#38
Carbon Tetrachloride
Concen: 97.909 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	30.1	25.0	37.4





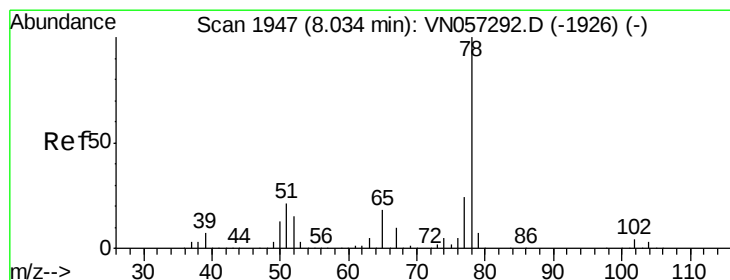
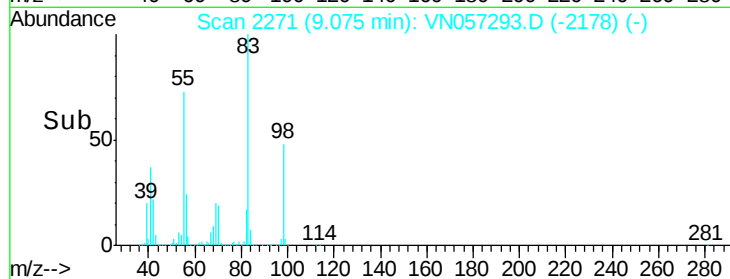
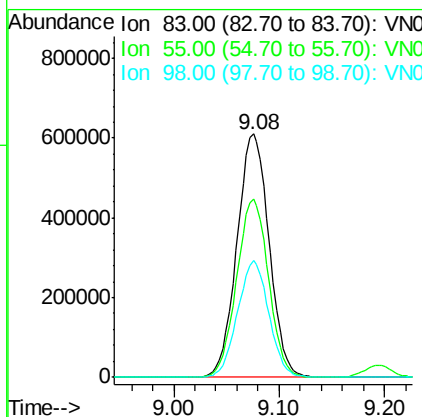
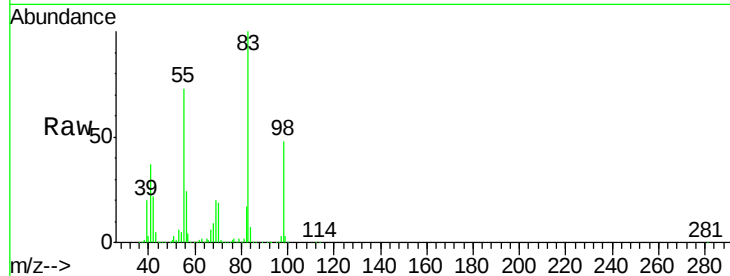
#39
Methvlcvclohexane
Concen: 97.426 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	1292691
Ion	Ratio	Lower	Upper
83	100		
55	73.2	57.5	86.3
98	47.8	36.6	55.0

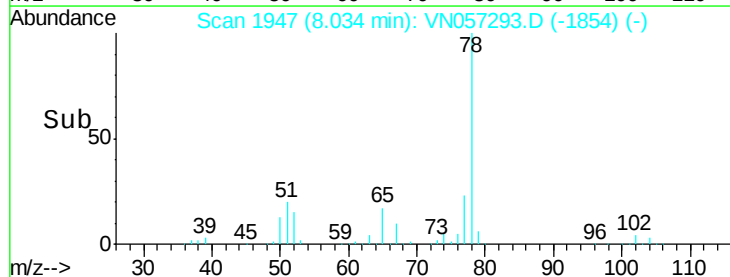
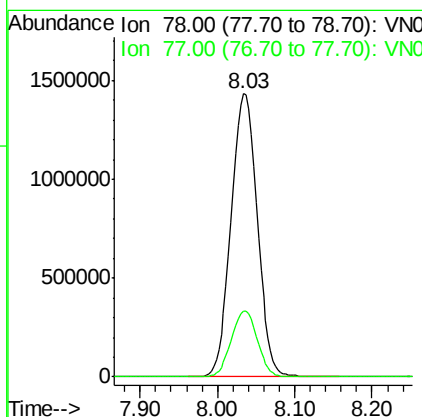
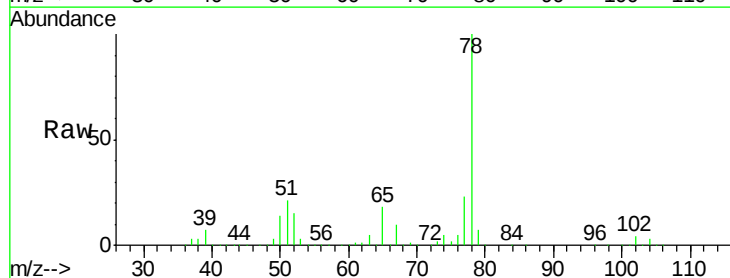
Manual Integrations
APPROVED

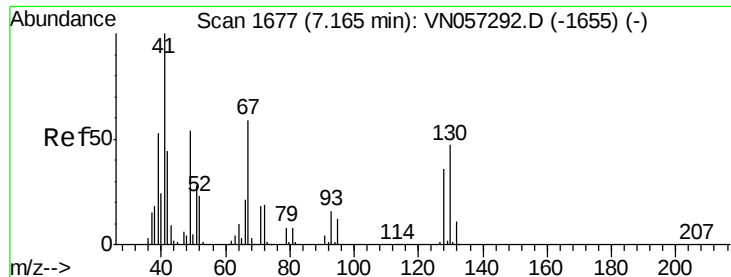
MMdadoda
8/19/2019 1:53:17 AM



#40
Benzene
Concen: 97.944 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	78	Resp	3360029
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





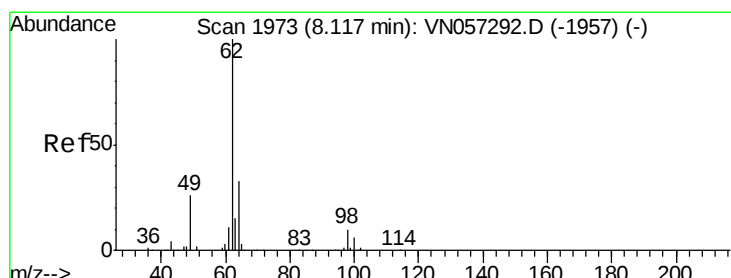
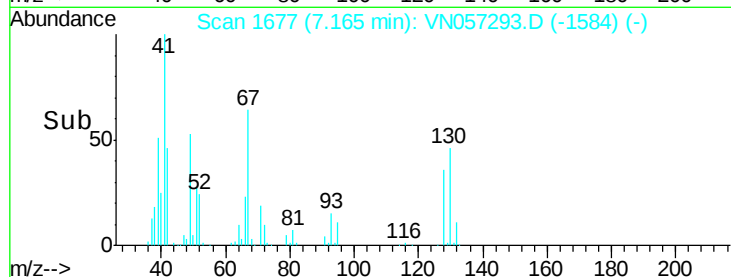
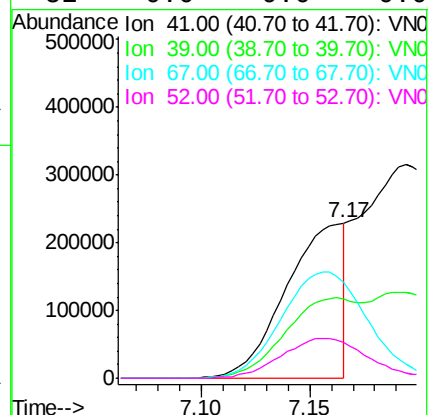
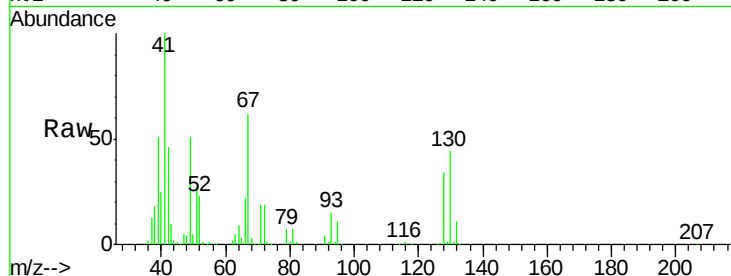
#41
Methacrylonitrile
Concen: 111.040 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot 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

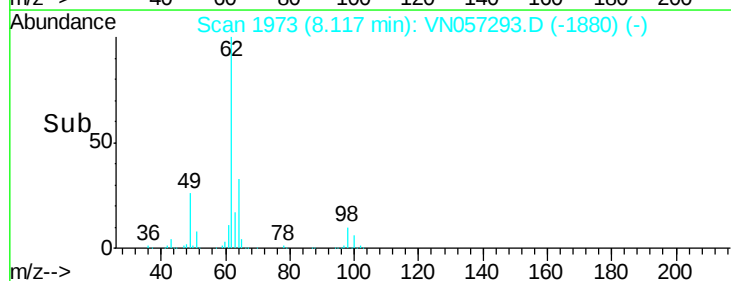
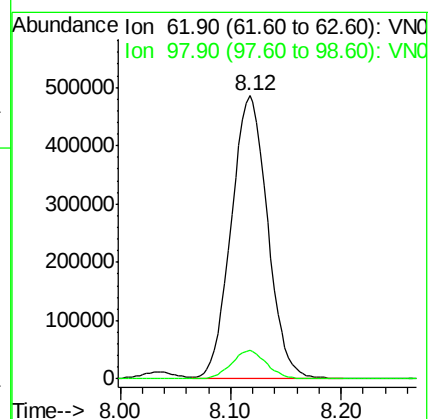
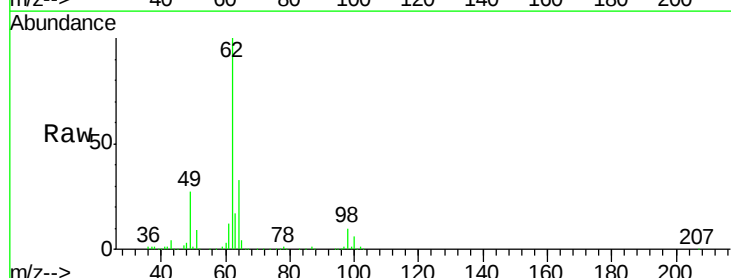
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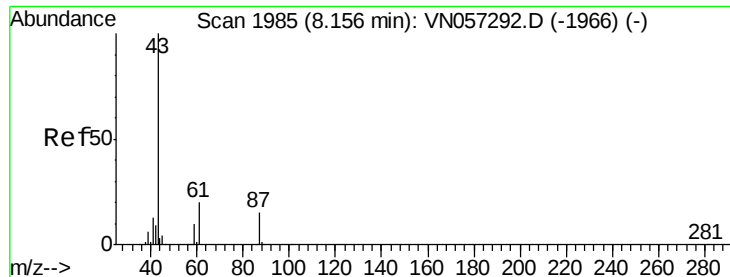
MMDadoda
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#42
1,2-Dichloroethane
Concen: 100.410 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





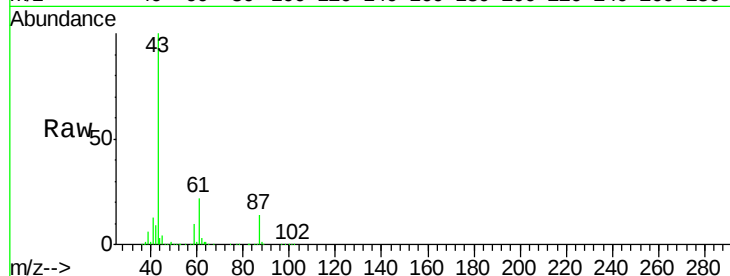
#43
Isopropyl Acetate
Concen: 110.210 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

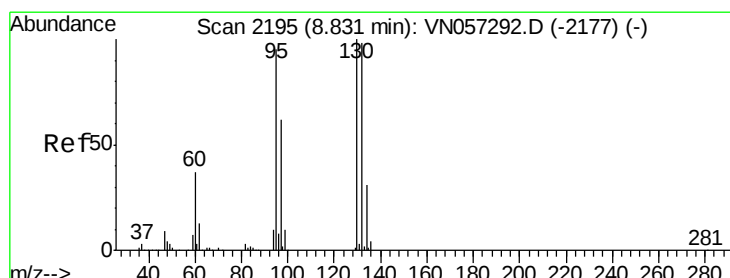
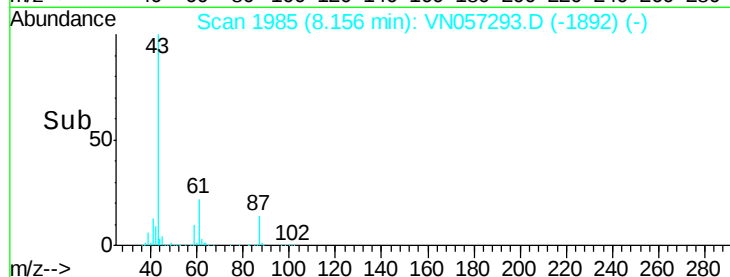
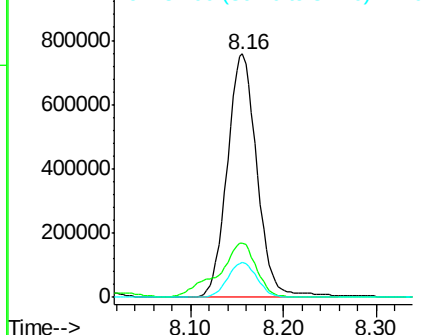
Tot Ion: 43 Resp: 1683109
Ion Ratio Lower Upper
43 100
61 28.2 21.6 32.4
87 14.3 11.4 17.0

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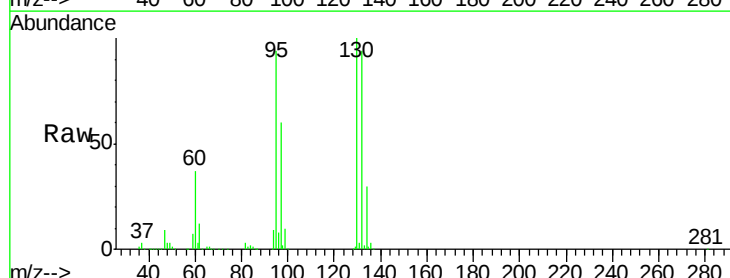


Abundance Ion 43.00 (42.70 to 43.70): VN057293.D (-1892) (-)
Ion 61.00 (60.70 to 61.70): VN057293.D (-1892) (-)
Ion 87.00 (86.70 to 87.70): VN057293.D (-1892) (-)

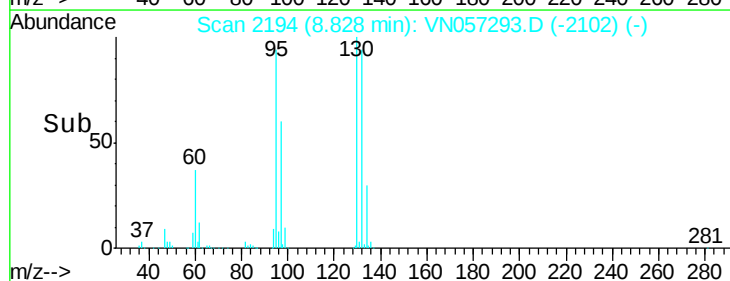
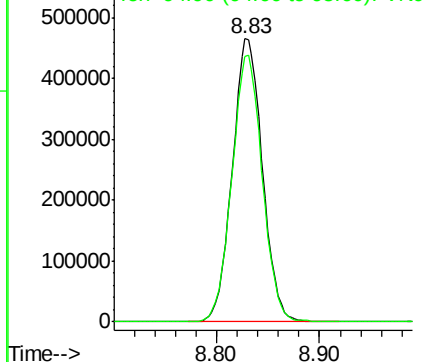


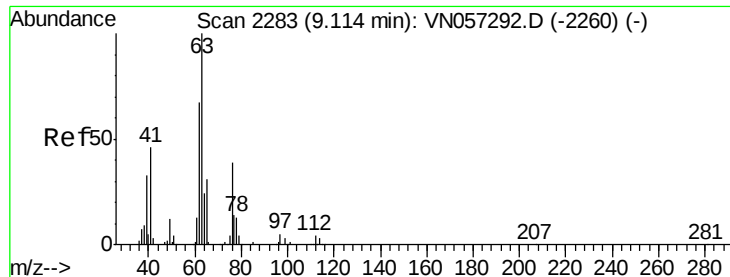
#44
Trichloroethene
Concen: 95.626 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 130 Resp: 945342
Ion Ratio Lower Upper
130 100
95 93.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057293.D (-2102) (-)
Ion 94.90 (94.60 to 95.60): VN057293.D (-2102) (-)





#45

1,2-Dichloropropane

Concen: 99.720 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 868099

Ion Ratio Lower Upper

63 100

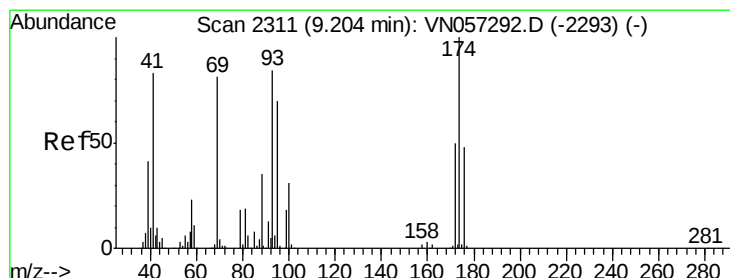
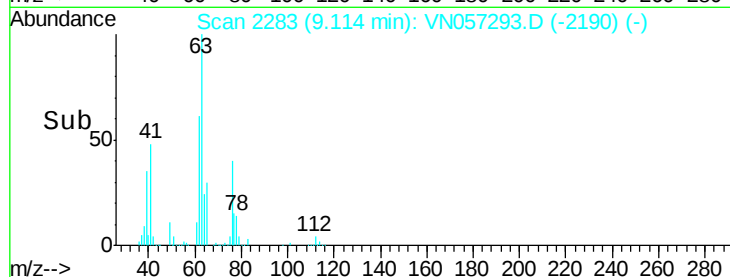
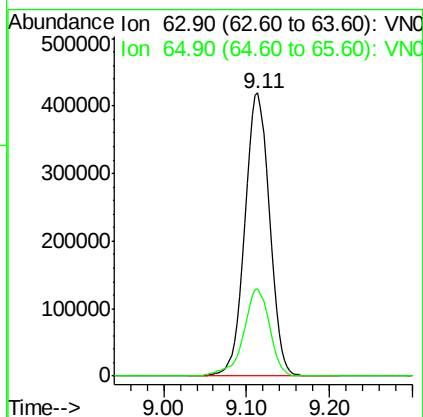
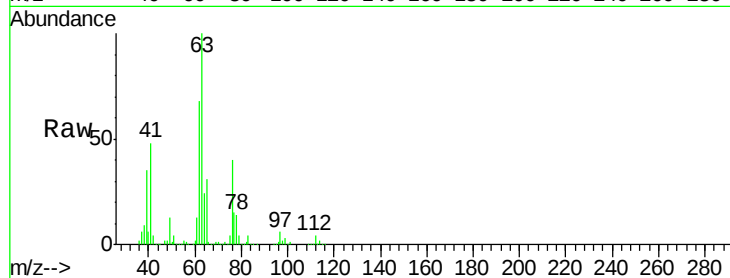
65 30.7 24.8 37.2

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#46

Dibromomethane

Concen: 98.091 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

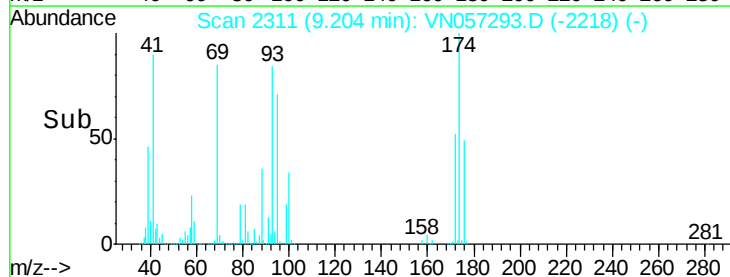
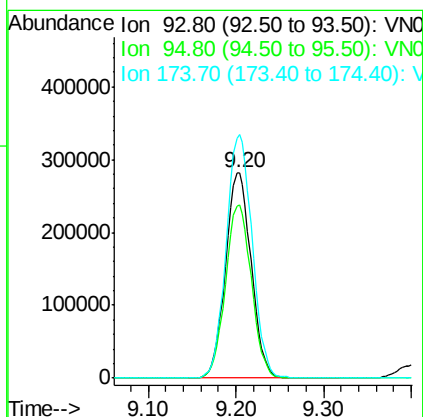
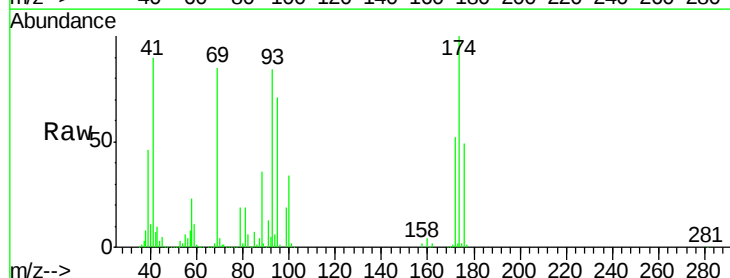
Tgt Ion: 93 Resp: 574241

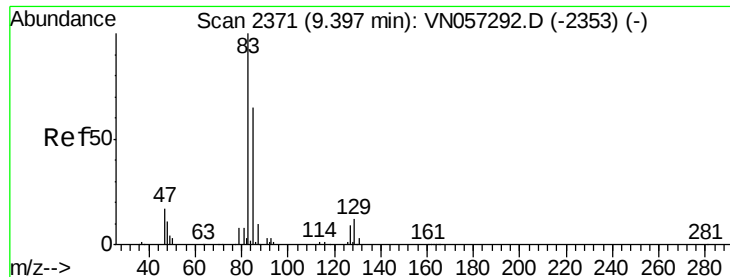
Ion Ratio Lower Upper

93 100

95 85.2 66.5 99.7

174 120.2 95.7 143.5





#47

Bromodichloromethane

Concen: 103.224 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1167423

Ion Ratio Lower Upper

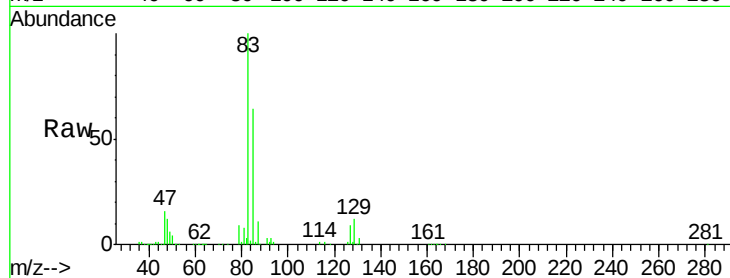
83 100

85 63.8 51.9 77.9

127 9.0 7.2 10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN057293.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057293.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057293.D (-2278) (-)

9.40

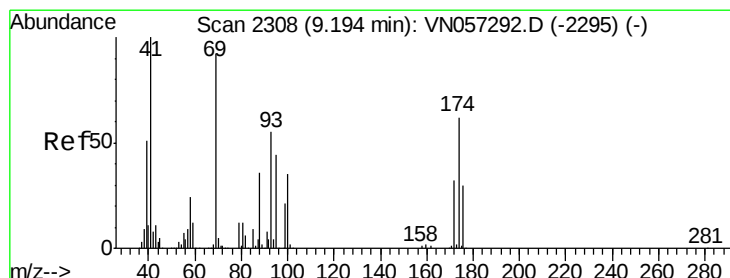
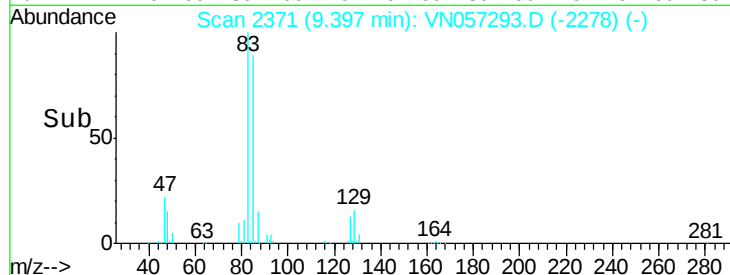
600000

400000

200000

0

Time-->



#48

Methyl methacrylate

Concen: 112.489 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

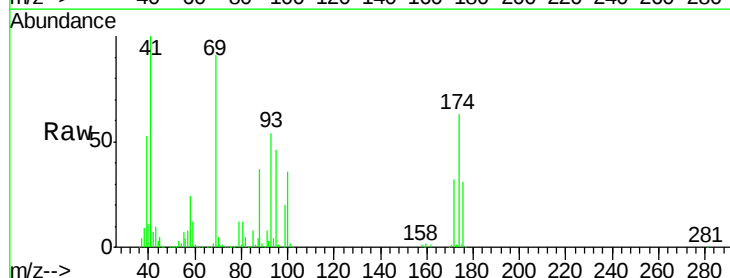
Tgt Ion: 41 Resp: 787823

Ion Ratio Lower Upper

41 100

69 94.6 75.9 113.9

39 53.6 42.3 63.5



Abundance Ion 41.00 (40.70 to 41.70): VN057293.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057293.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057293.D (-2215) (-)

9.19

600000

500000

400000

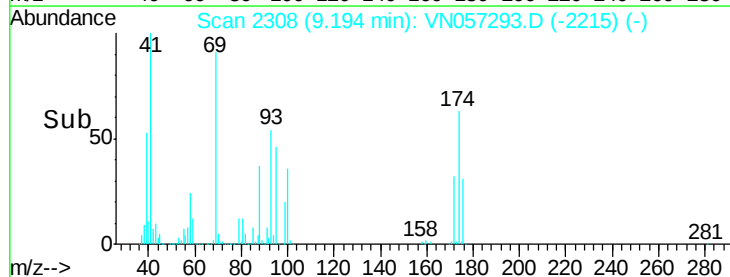
300000

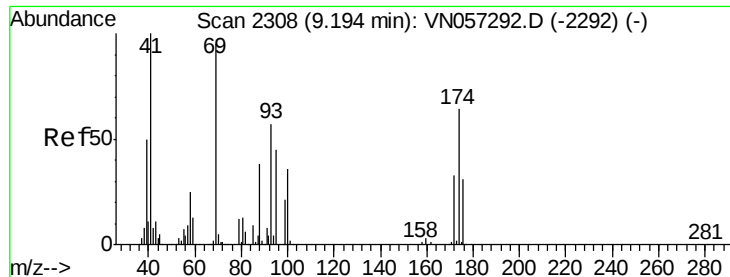
200000

100000

0

Time-->





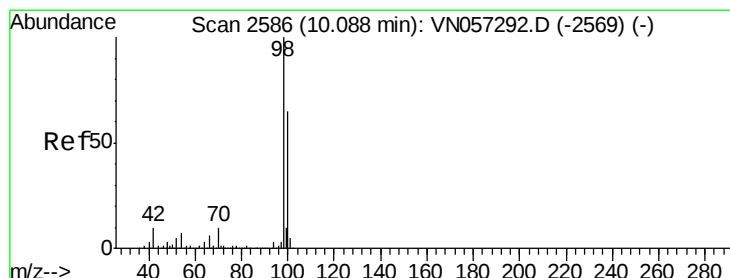
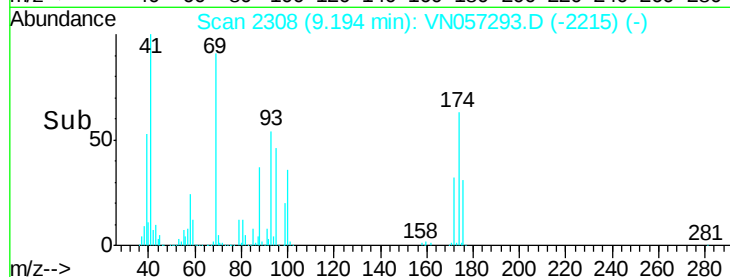
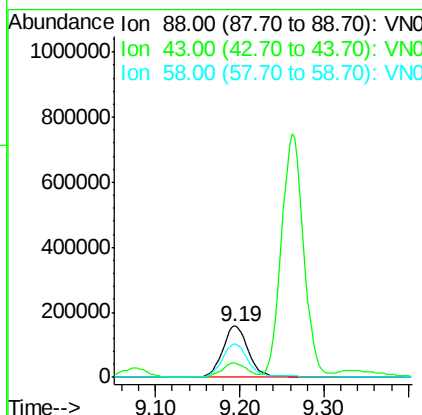
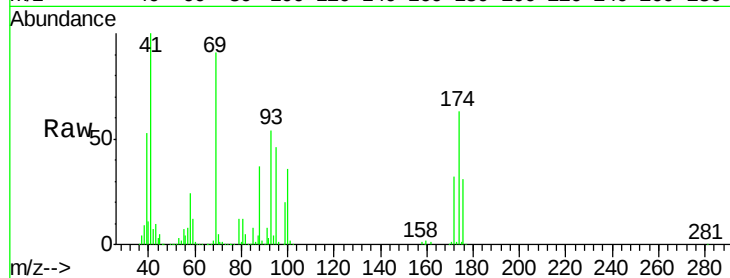
#49
1,4-Dioxane
Concen: 2131.048 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	22.9	34.3
58	65.4	52.7	79.1

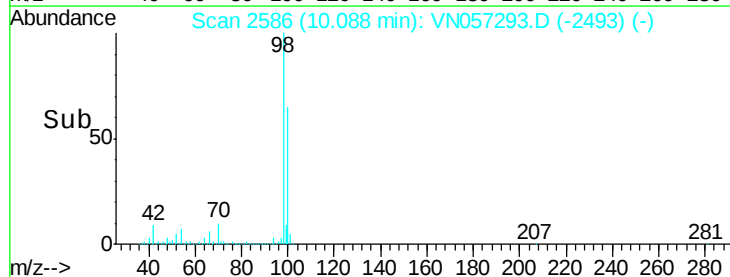
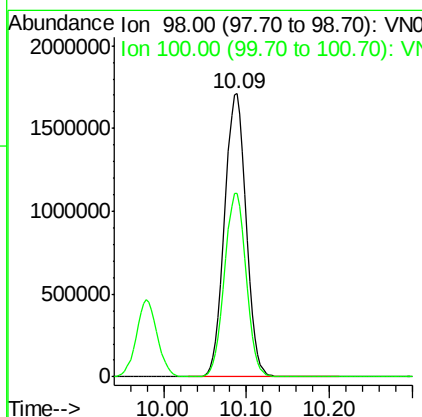
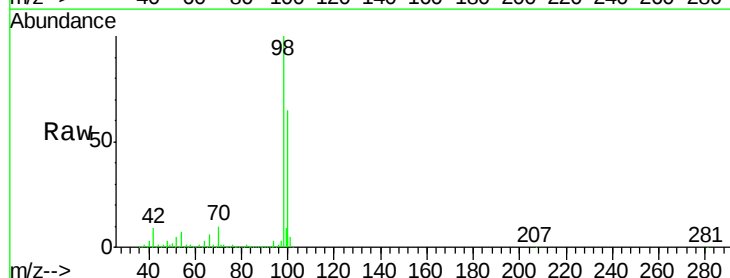
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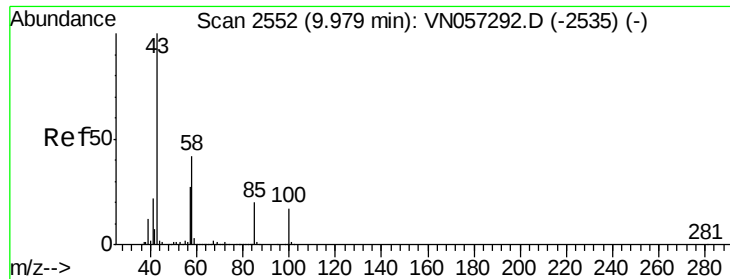
MMdadoda
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#50
Toluene-d8
Concen: 103.502 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 555.557 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4941142

Ion Ratio Lower Upper

43 100

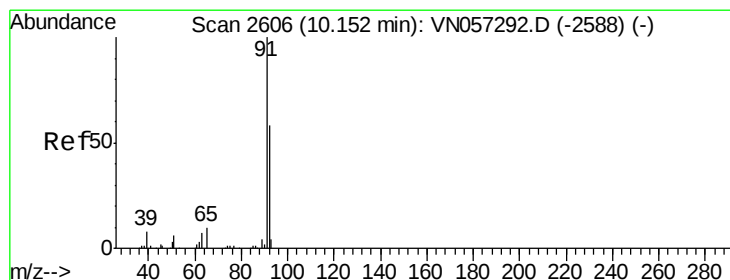
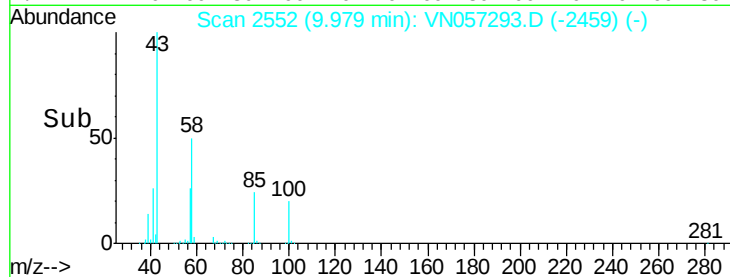
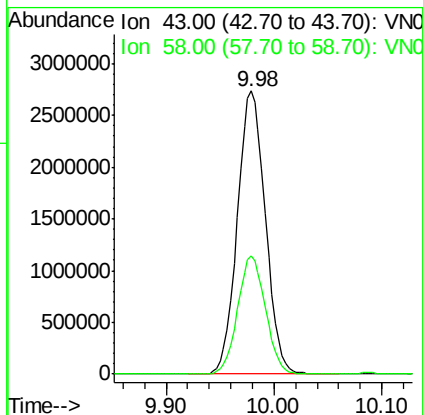
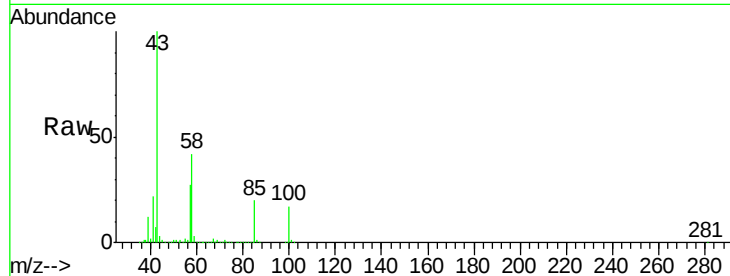
58 41.5 33.2 49.8

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#52

Toluene

Concen: 99.897 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057293.D

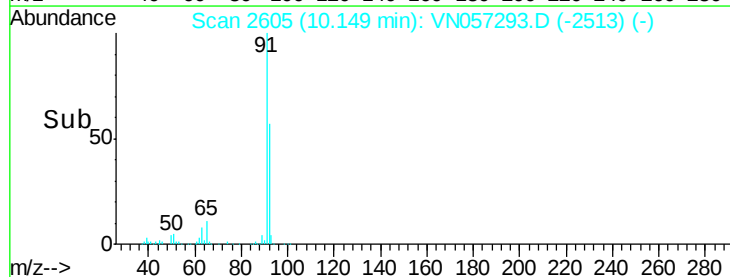
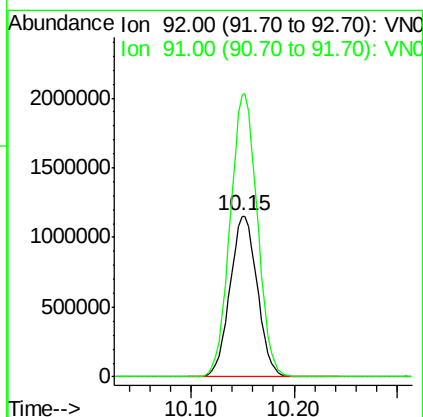
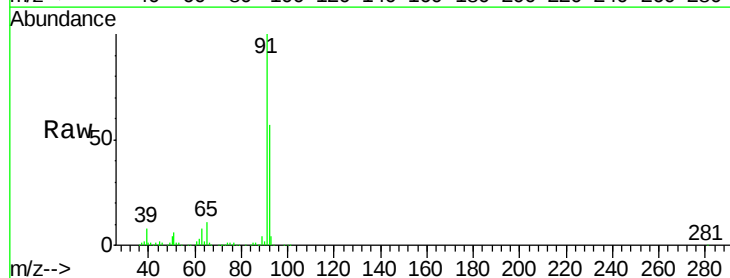
Acq: 14 Aug 2019 17:51

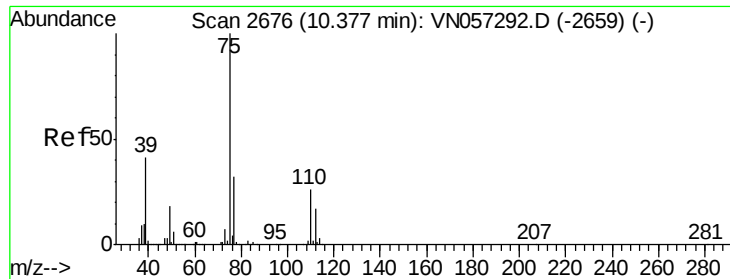
Tgt Ion: 92 Resp: 2126249

Ion Ratio Lower Upper

92 100

91 175.3 138.9 208.3





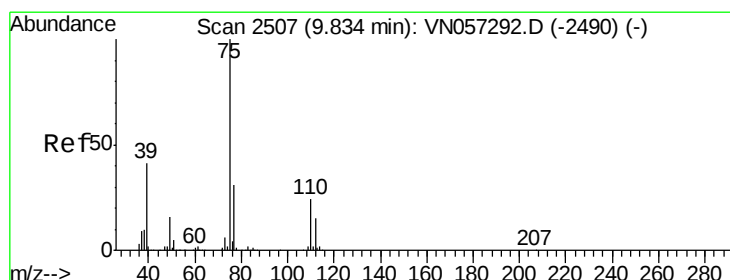
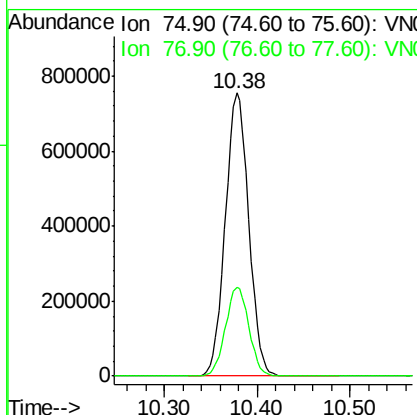
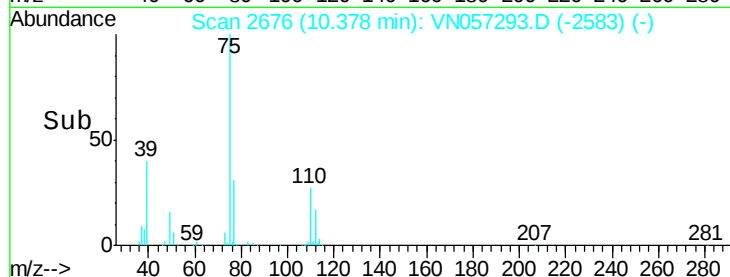
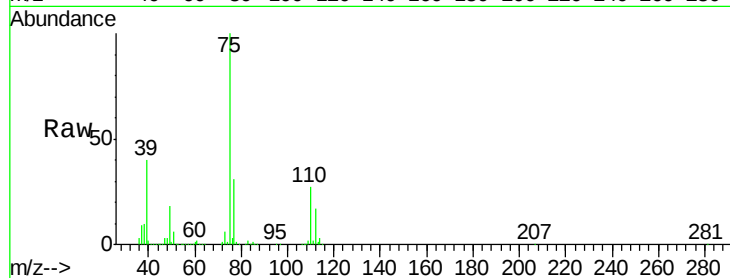
#53
t-1,3-Dichloropropene
Concen: 109.109 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1319641
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3

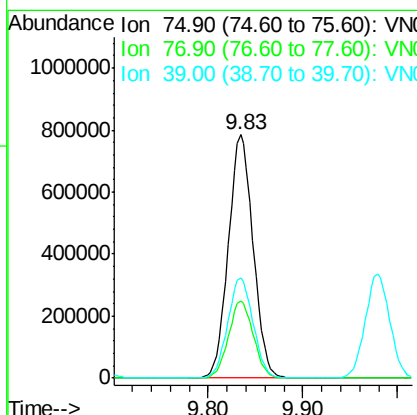
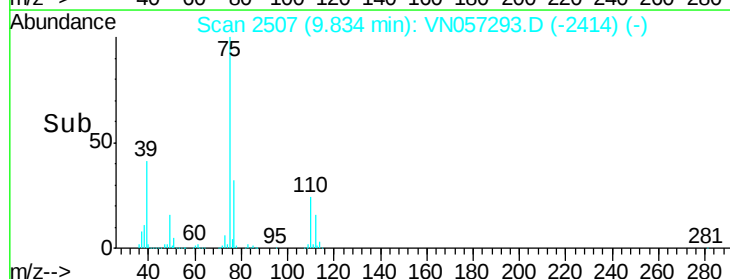
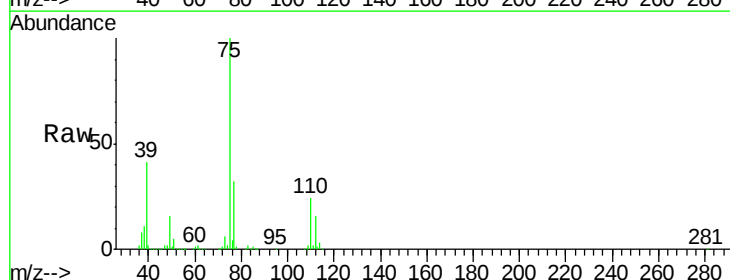
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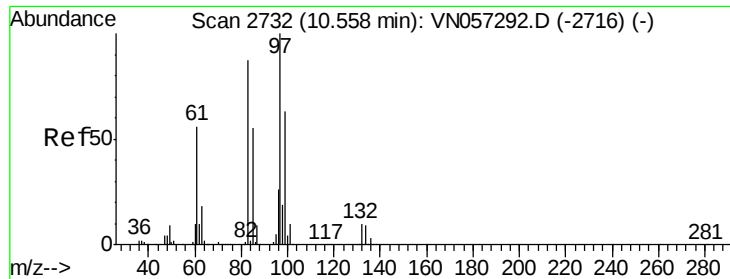
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 104.583 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 75 Resp: 1425057
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3
39 41.1 32.7 49.1





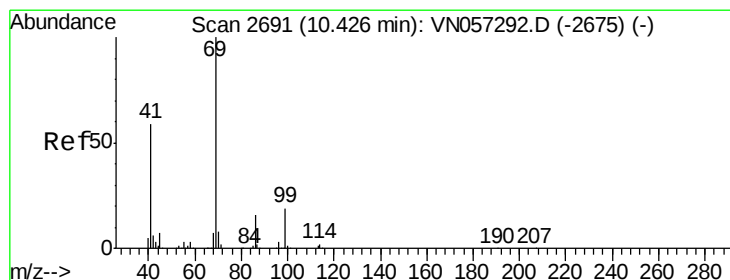
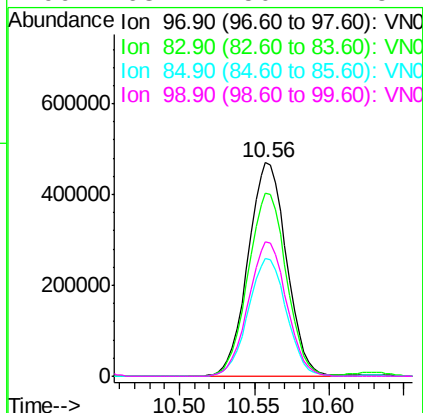
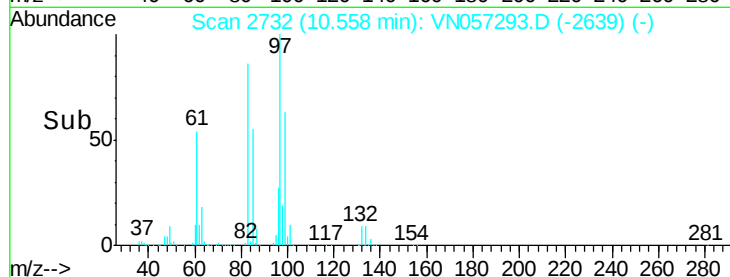
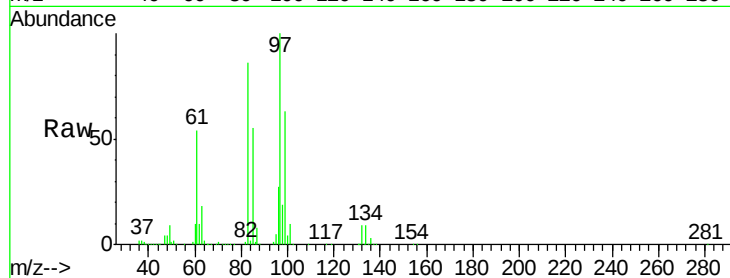
#55
 1,1,2-Trichloroethane
 Concen: 100.604 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	840447
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.8
85	55.0	44.1	66.1
99	63.1	50.2	75.2

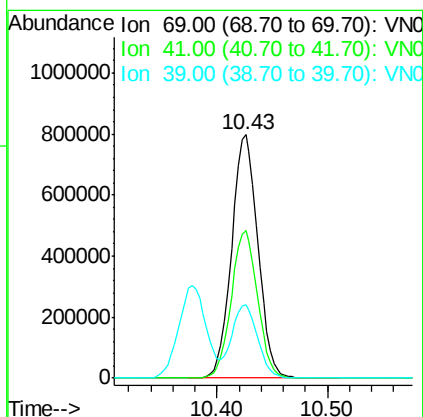
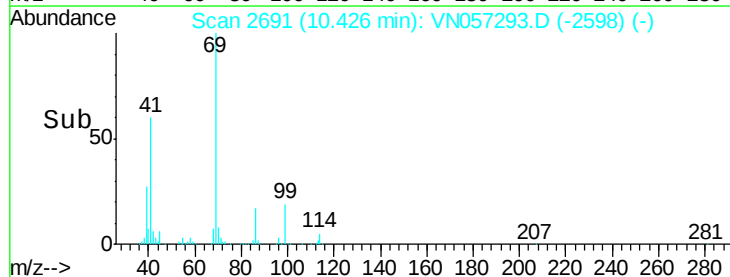
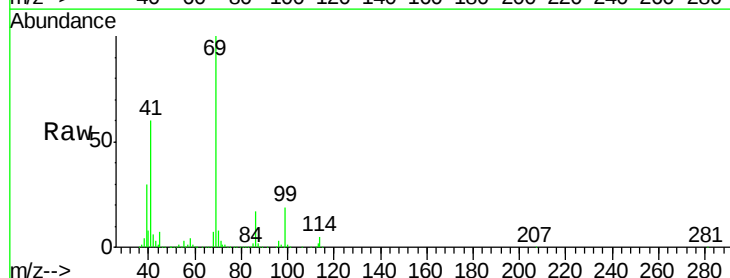
Manual Integrations
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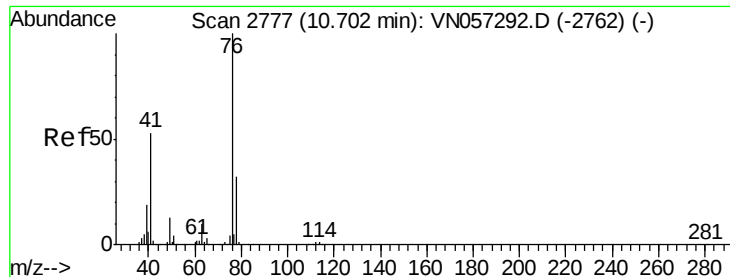
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 111.483 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion:	69	Resp:	1314562
Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.2	72.2
39	29.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 99.622 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1374146

Ion Ratio Lower Upper

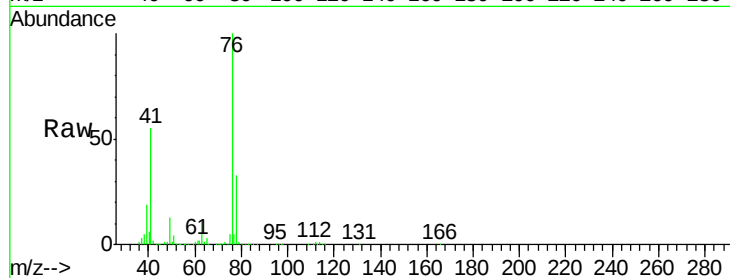
76 100

78 32.5 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN057293.D (-2684) (-)

Ion 77.90 (77.60 to 78.60): VN057293.D (-2684) (-)

10.70

800000

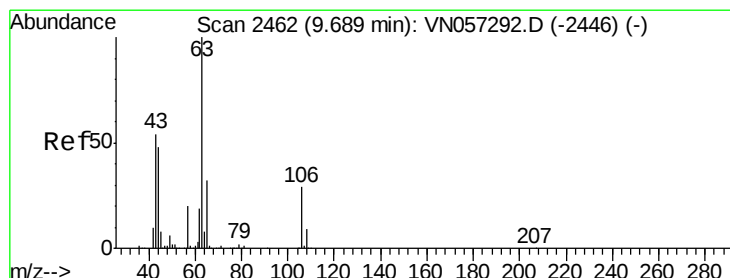
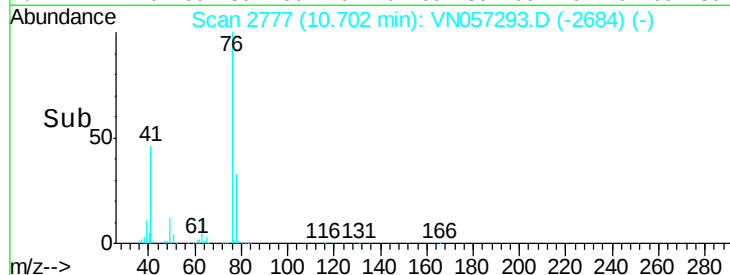
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 631.793 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057293.D

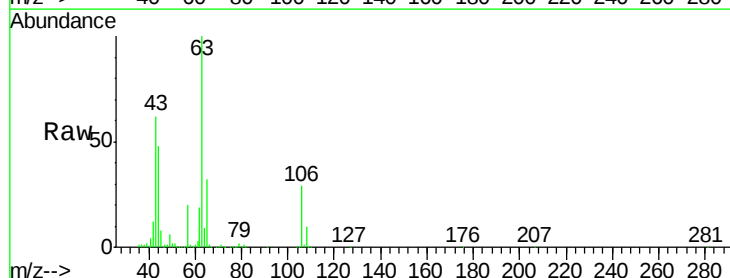
Acq: 14 Aug 2019 17:51

Tgt Ion: 63 Resp: 1873526

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN057293.D (-2369) (-)

Ion 105.90 (105.60 to 106.60): VN057293.D (-2369) (-)

9.69

1200000

1000000

800000

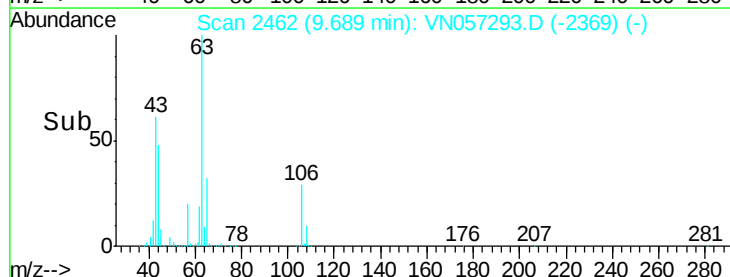
600000

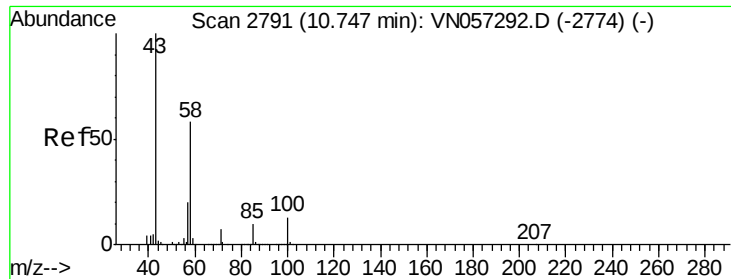
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200000

0

Time-->





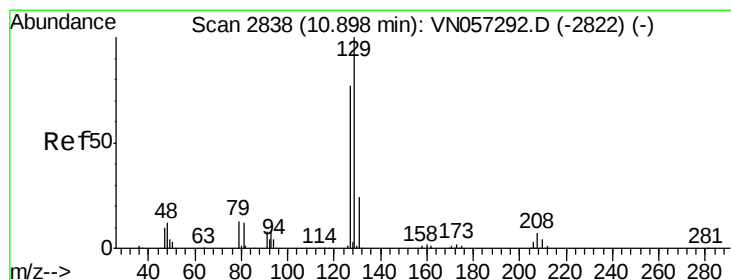
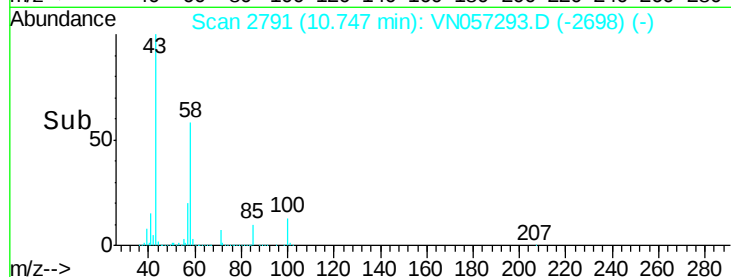
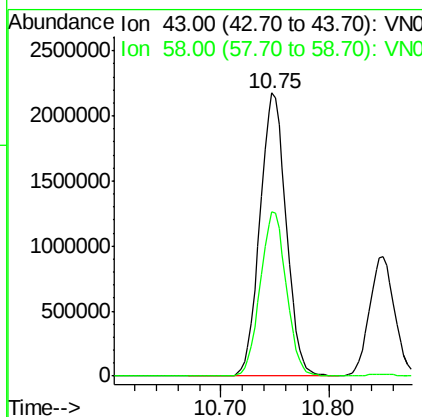
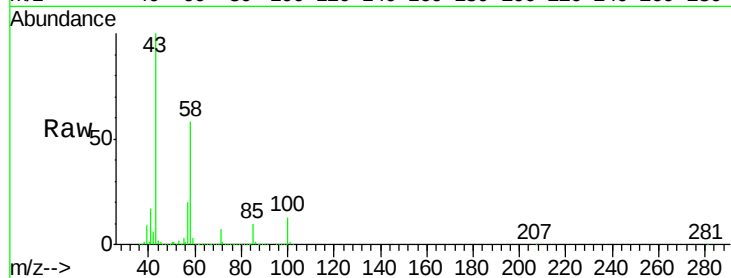
#59
2-Hexanone
Concen: 580.147 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 3667114
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.9

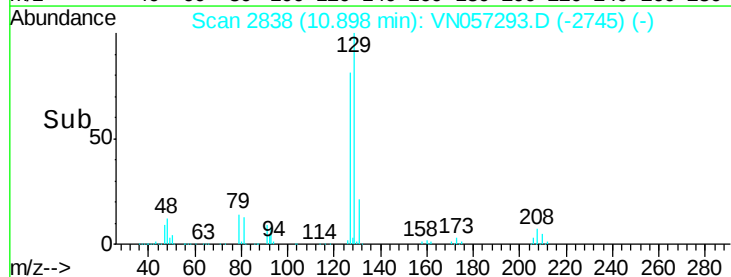
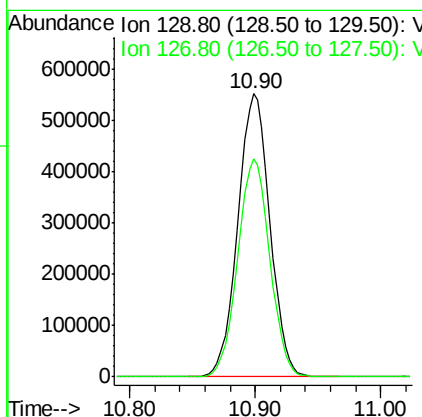
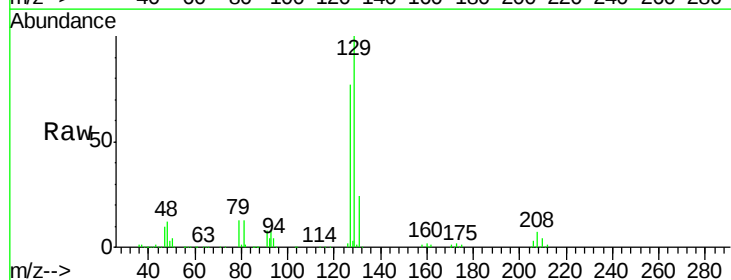
Manual Integrations
APPROVED

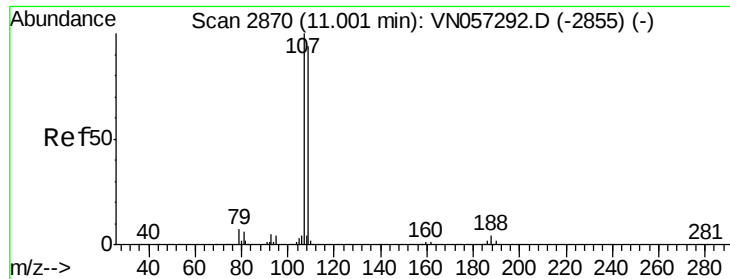
MMdadoda
8/19/2019 1:53:17 AM



#60
Dibromochloromethane
Concen: 104.701 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 129 Resp: 981240
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





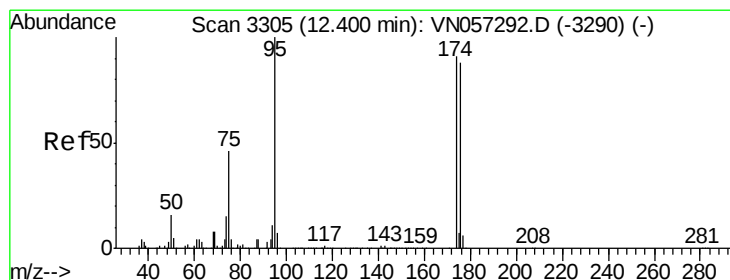
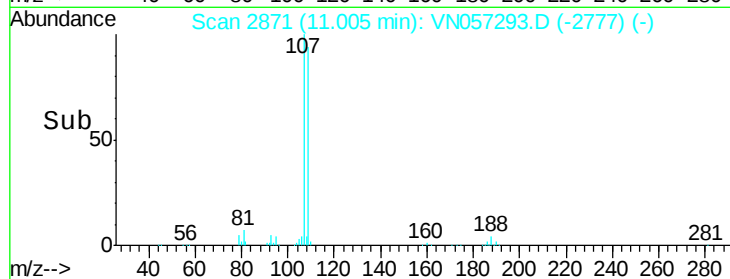
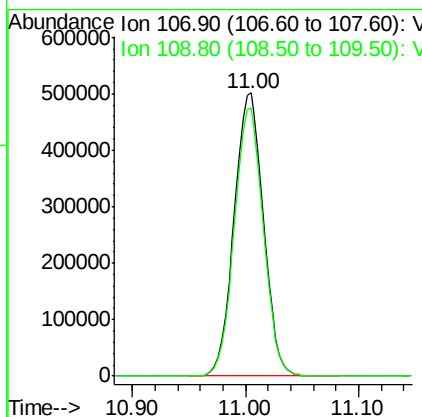
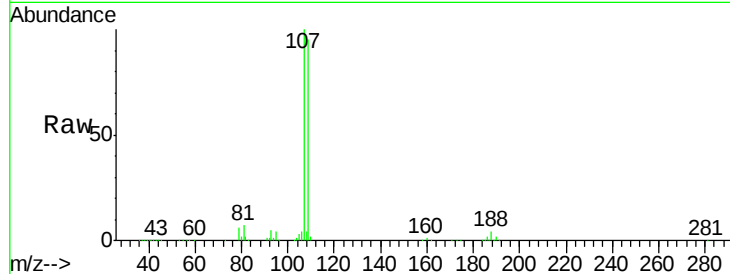
#61
 1,2-Dibromoethane
 Concen: 104.028 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:107 Resp: 903005
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5

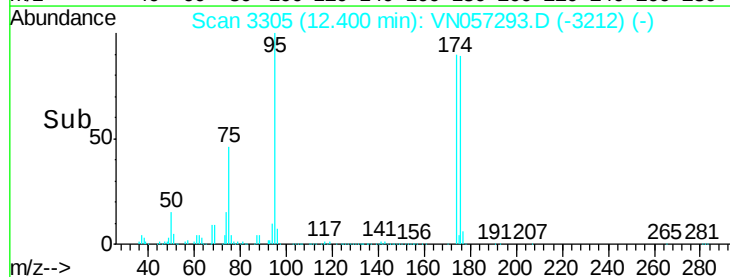
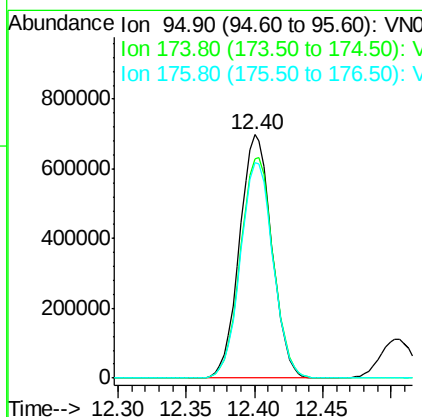
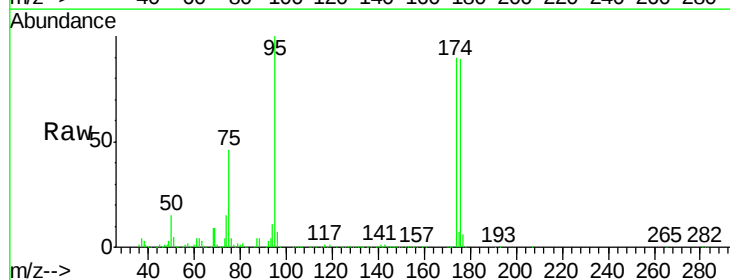
Manual Integrations
 APPROVED

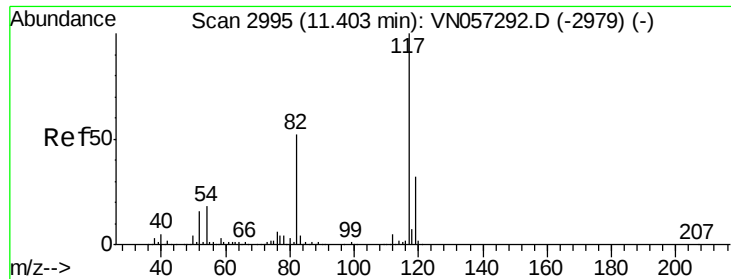
MMdadoda
 8/19/2019 1:53:17 AM



#62
 4-Bromofluorobenzene
 Concen: 111.383 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 95 Resp: 1146150
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 185.0
 176 89.5 0.0 181.0





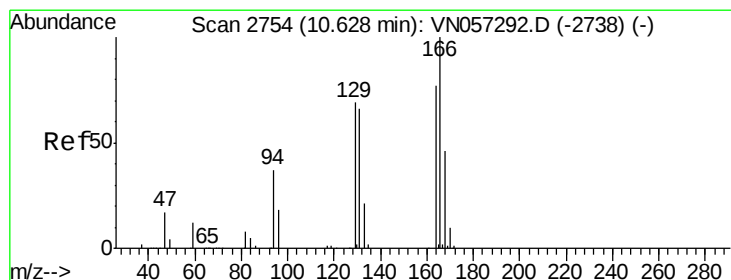
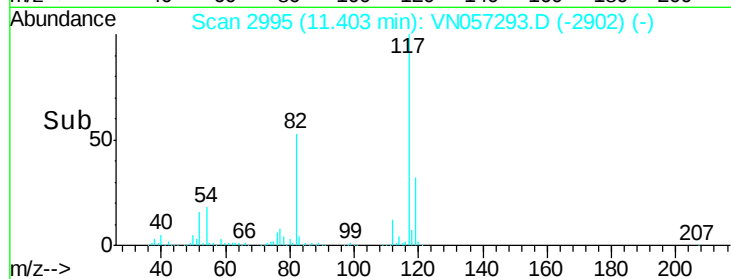
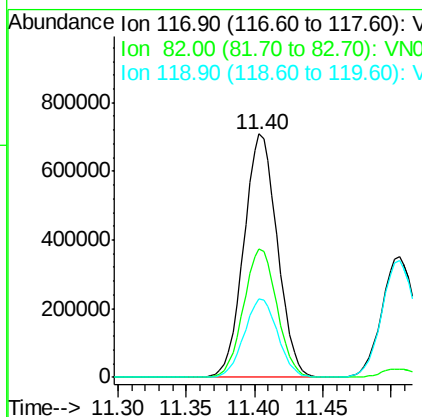
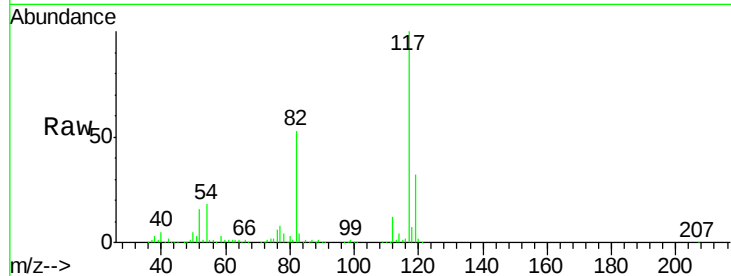
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.2	61.8
119	32.2	25.8	38.8

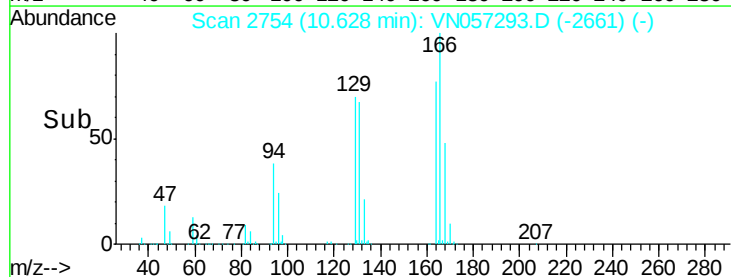
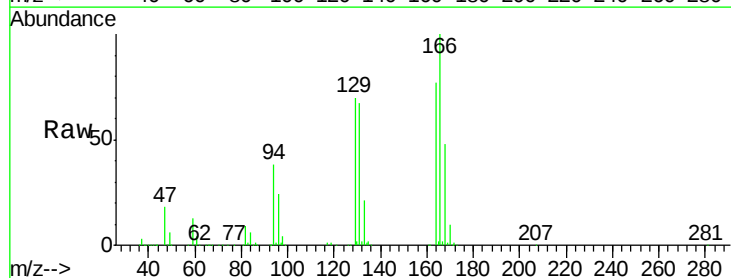
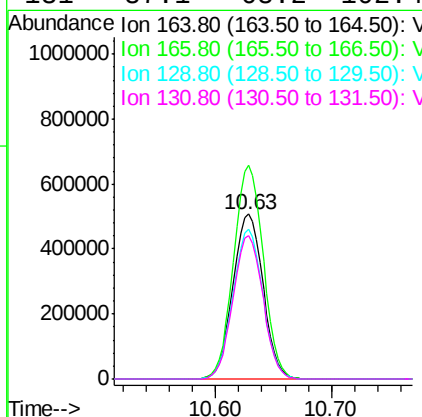
Manual Integrations
APPROVED

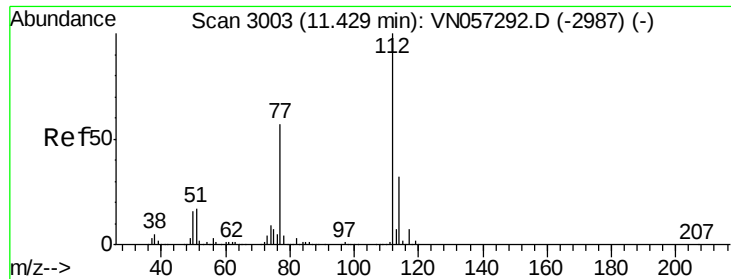
MMdadoda
8/19/2019 1:53:17 AM



#64
Tetrachloroethene
Concen: 85.992 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	90.7	71.2	106.8
131	87.1	68.2	102.4





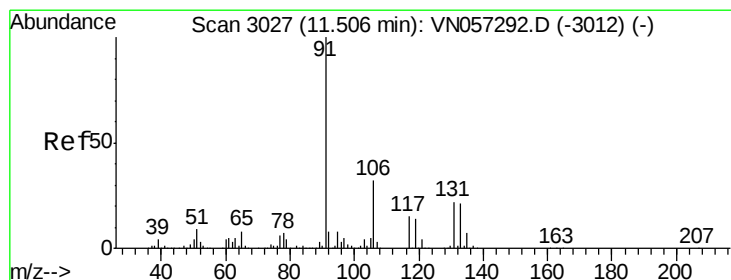
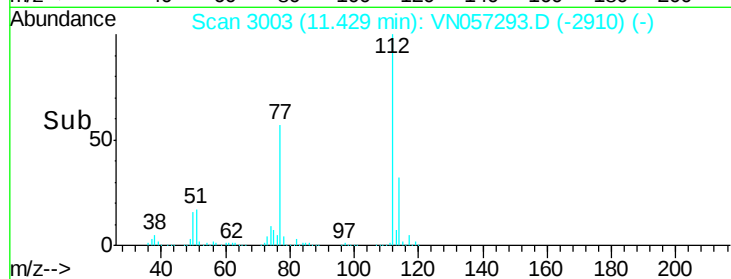
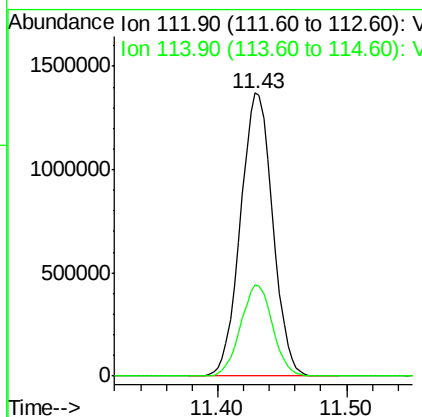
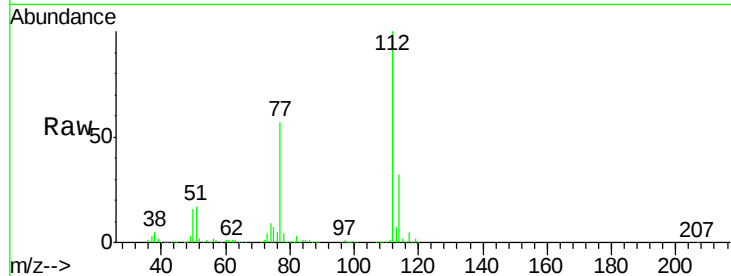
#65
Chlorobenzene
Concen: 96.981 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2380730
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

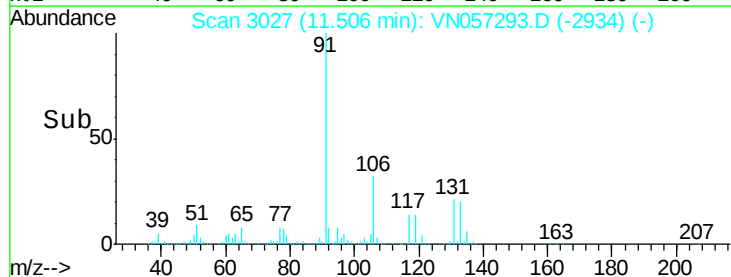
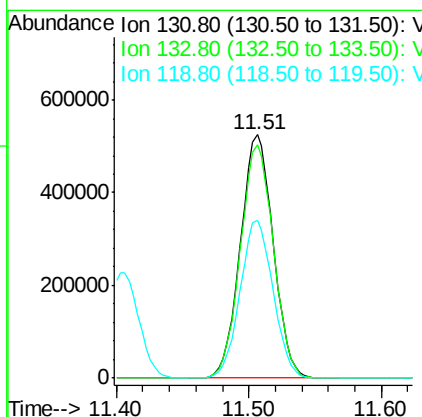
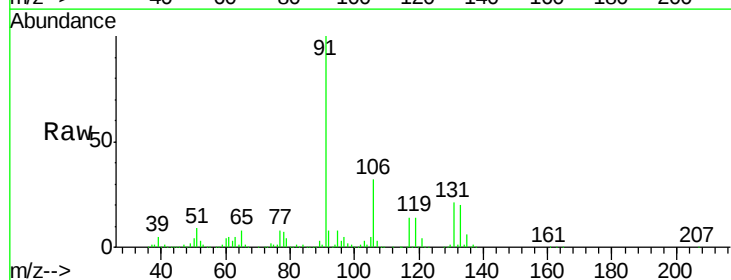
Manual Integrations
APPROVED

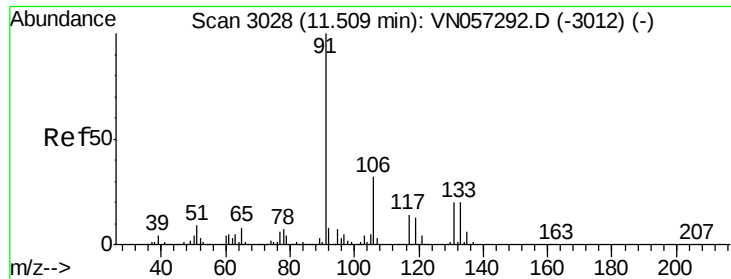
MMdadoda
8/19/2019 1:53:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 94.967 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion:131 Resp: 900606
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.8
119 65.1 32.0 96.2





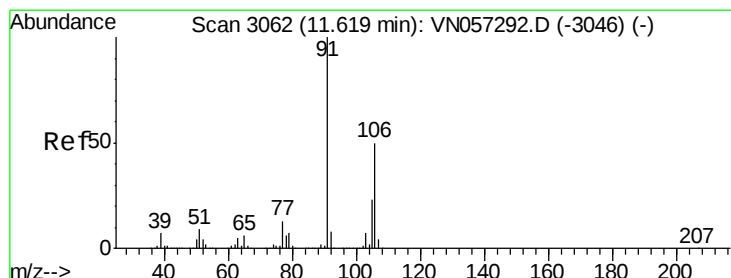
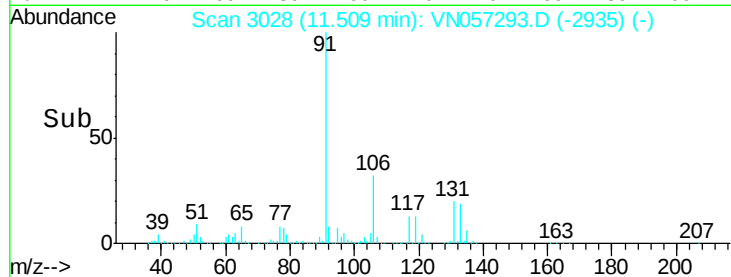
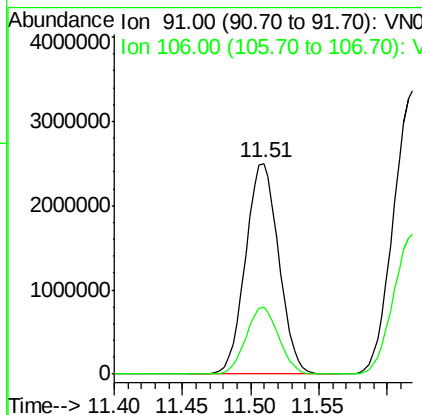
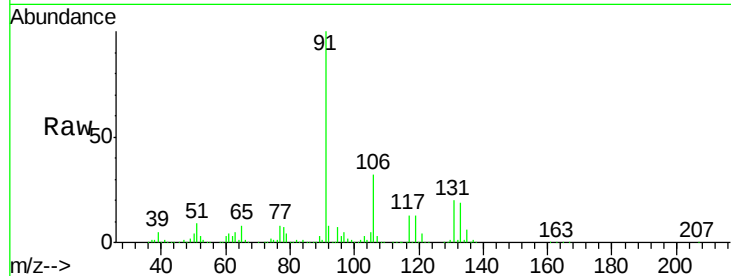
#67
Ethyl Benzene
Concen: 100.410 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4219162
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

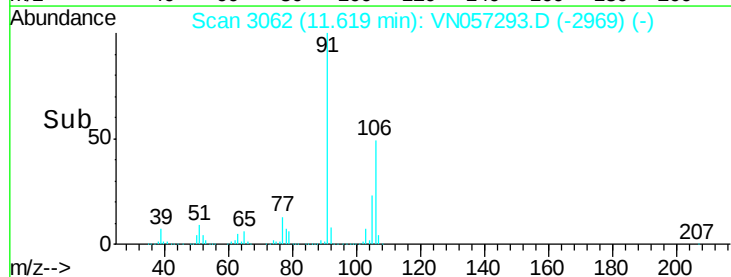
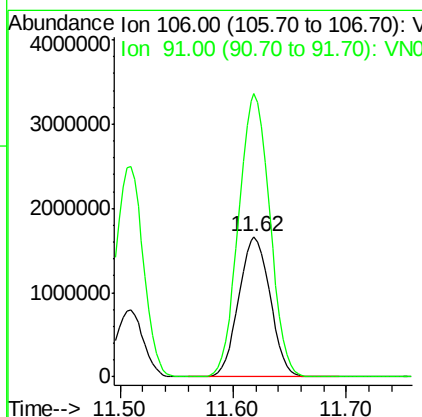
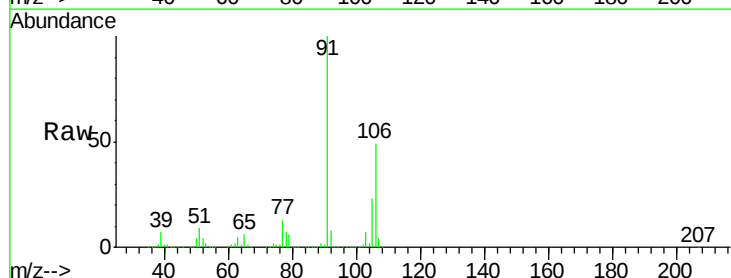
Manual Integrations
APPROVED

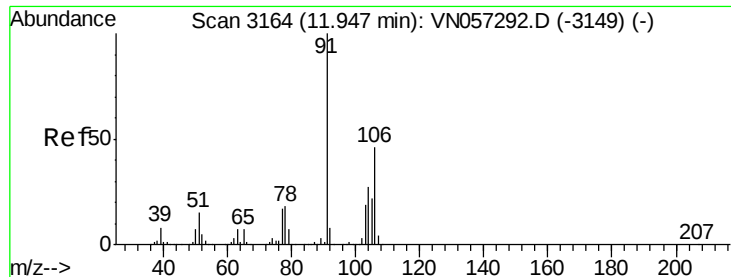
MMdadoda
8/19/2019 1:53:17 AM



#68
m/p-Xylenes
Concen: 204.524 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 106 Resp: 3210292
Ion Ratio Lower Upper
106 100
91 201.0 161.5 242.3





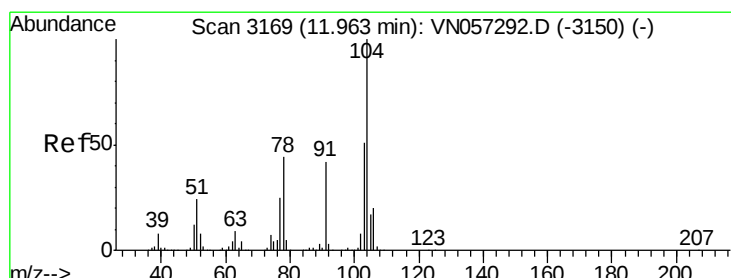
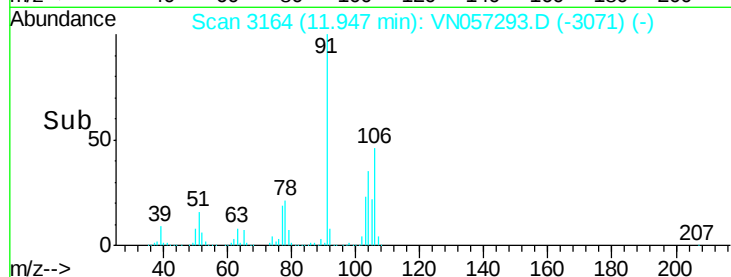
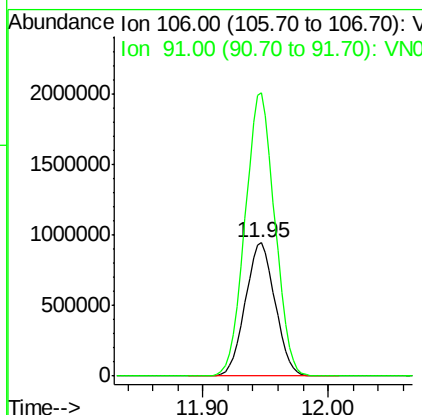
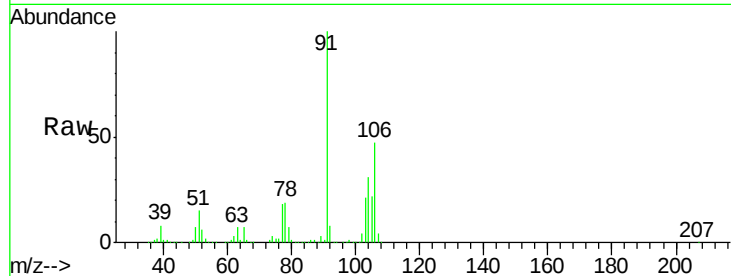
#69
o-Xylene
Concen: 101.852 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1567339
Ion Ratio Lower Upper
106 100
91 211.7 106.3 319.0

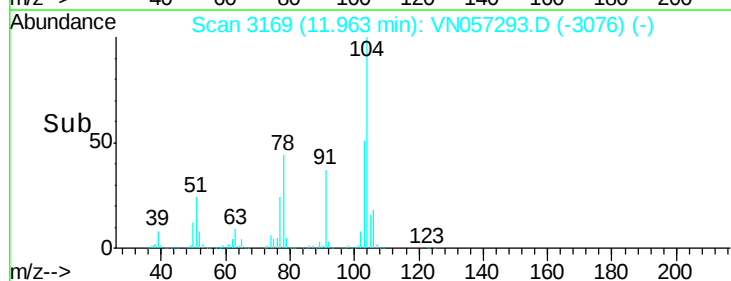
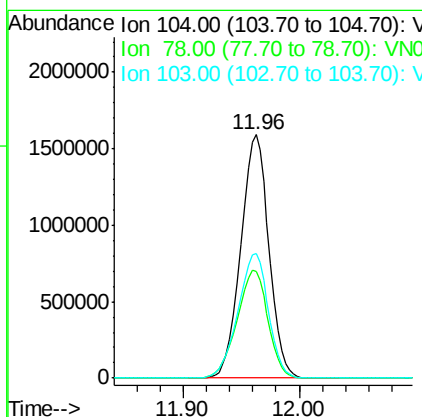
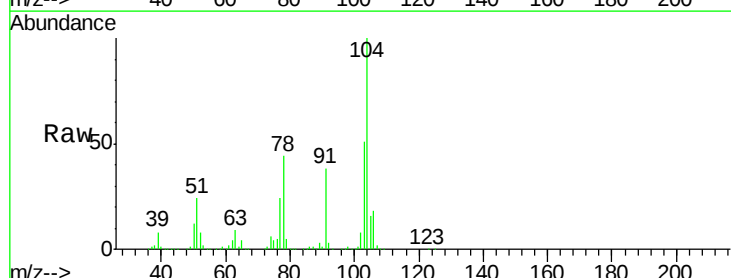
Manual Integrations
APPROVED

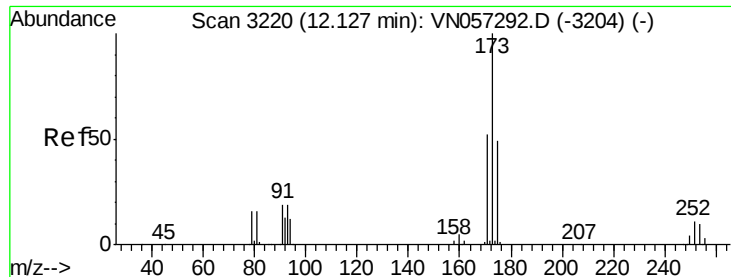
MMdadoda
8/19/2019 1:53:17 AM



#70
Styrene
Concen: 112.372 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion:104 Resp: 2673224
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.6 44.6 66.8





#71

Bromoform

Concen: 108.669 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

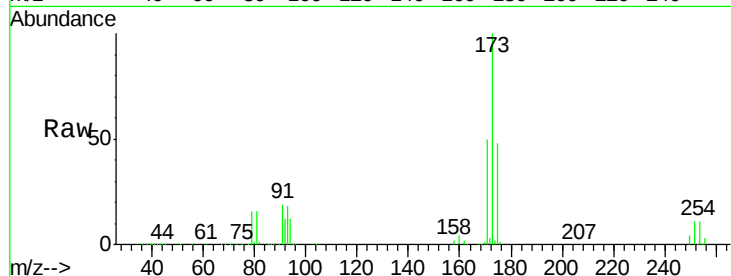
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/19/2019 1:53:17 AM

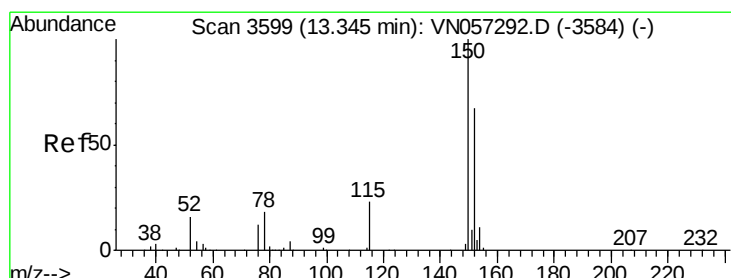
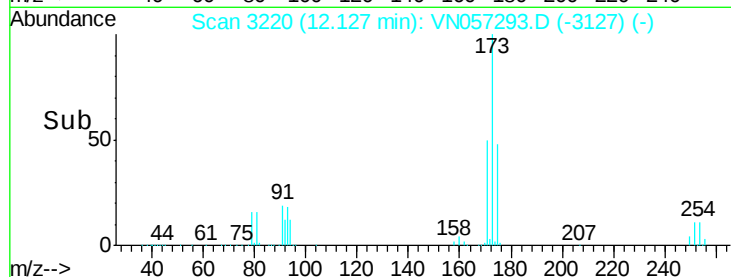
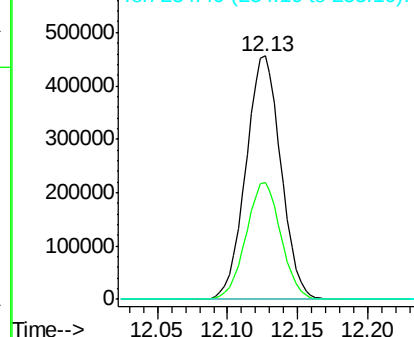


Abundance

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

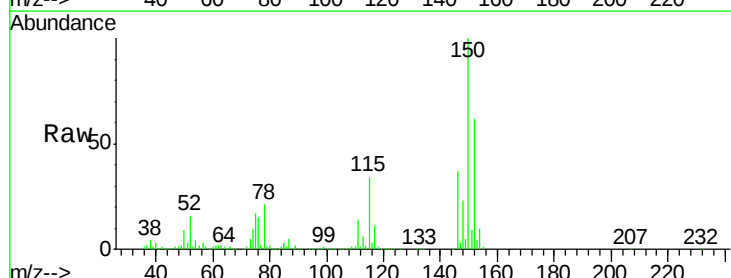
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.3	81.9
150	188.0	0.0	344.4

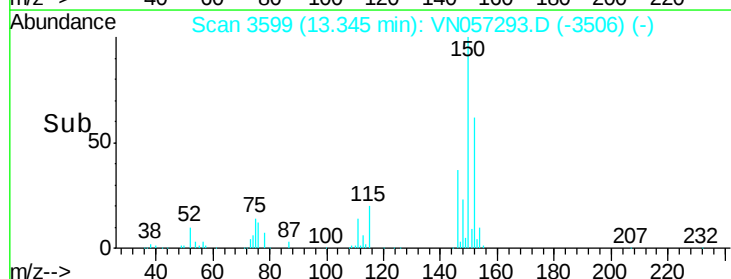
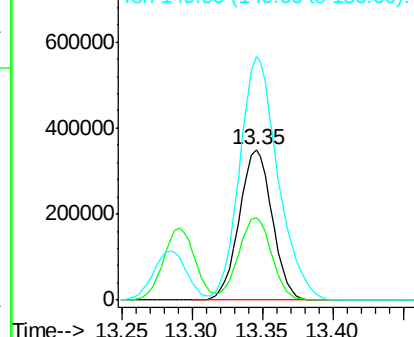


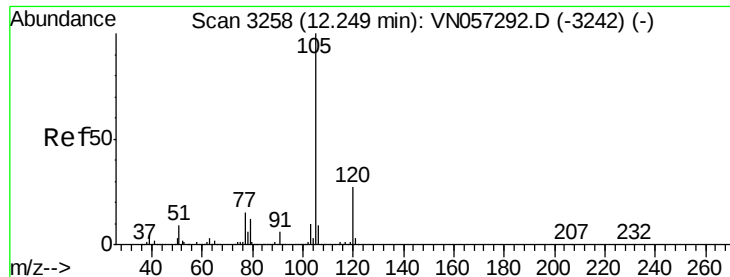
Abundance

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: 78.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 4173649

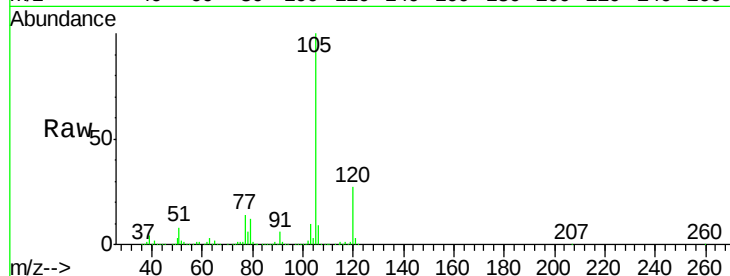
Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

500000

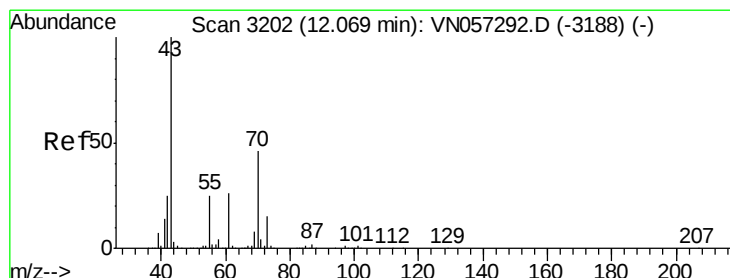
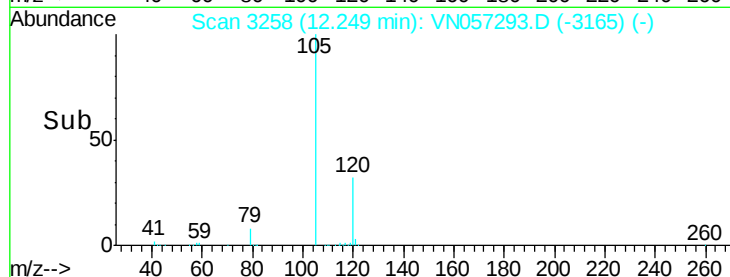
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 92.502 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 1430767

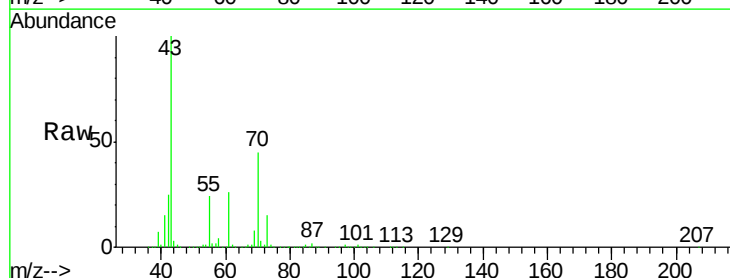
Ion Ratio Lower Upper

43 100

70 45.2 36.2 54.2

55 24.7 20.1 30.1

61 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1500000

1000000

500000

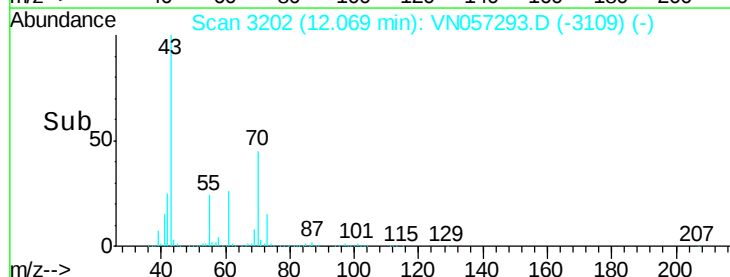
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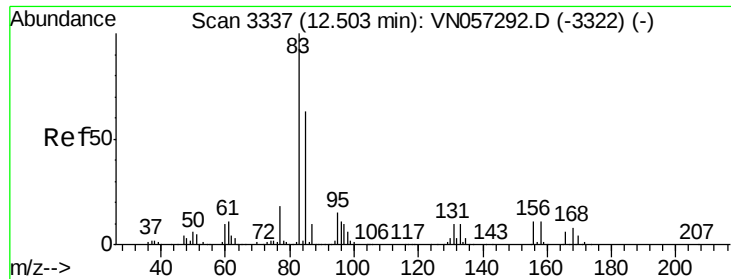
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 78.618 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1196213

Ion Ratio Lower Upper

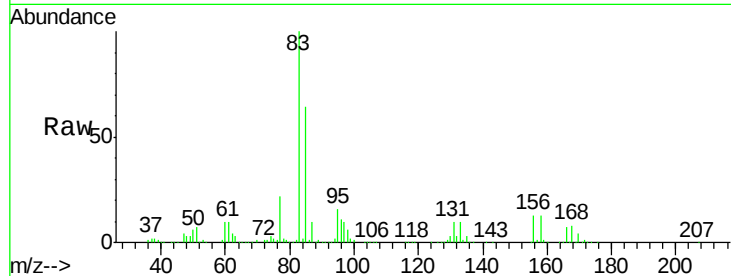
83 100

131 10.8 5.4 16.2

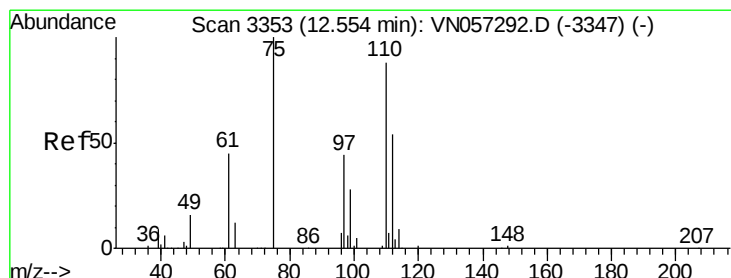
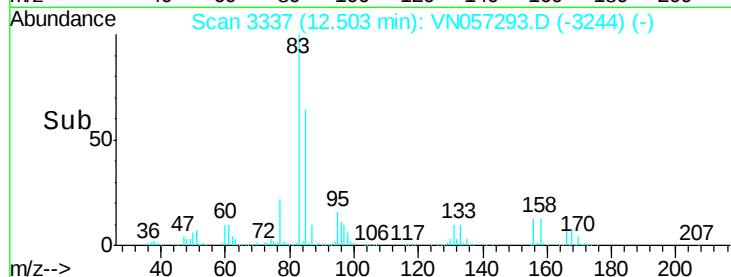
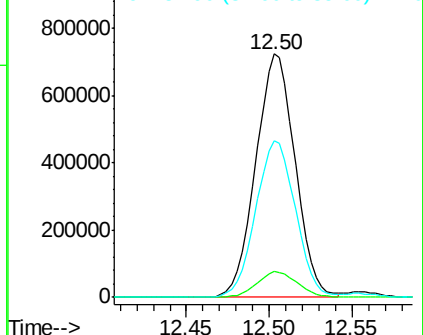
85 64.7 32.3 96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 83.698 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057293.D

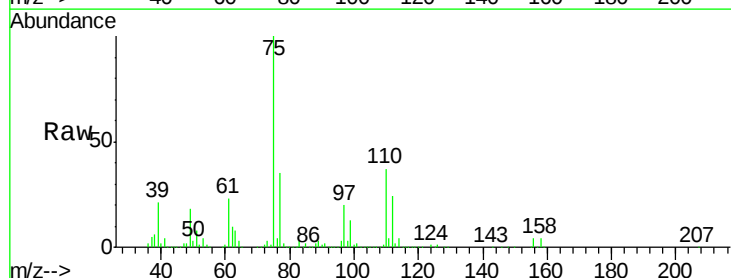
Acq: 14 Aug 2019 17:51

Tgt Ion: 75 Resp: 1011942

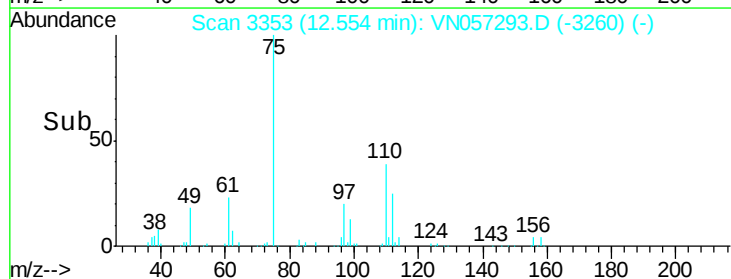
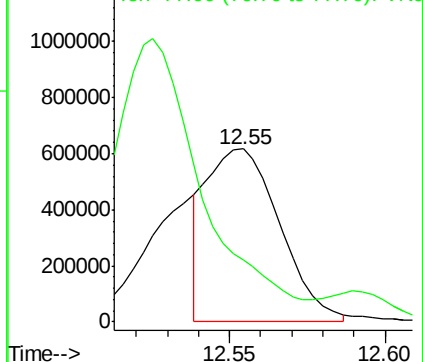
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 79.365 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1145135

Ion Ratio Lower Upper

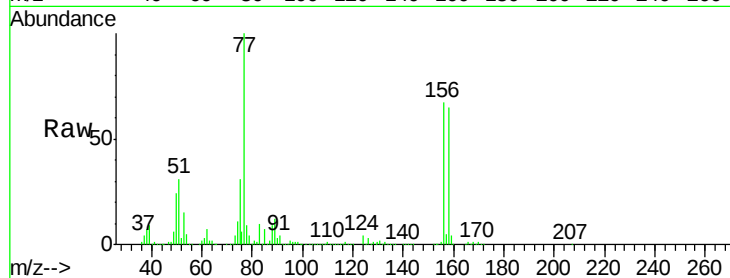
156 100

77 179.7 89.8 269.6

158 97.3 49.3 147.8

Manual Integrations
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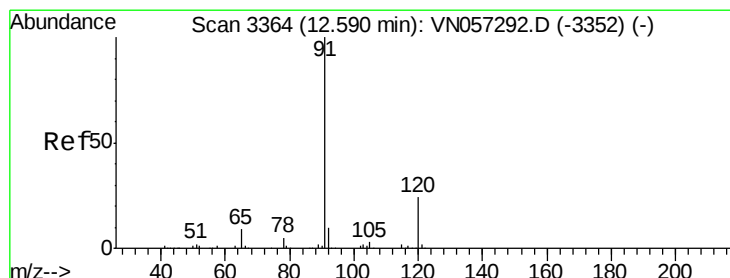
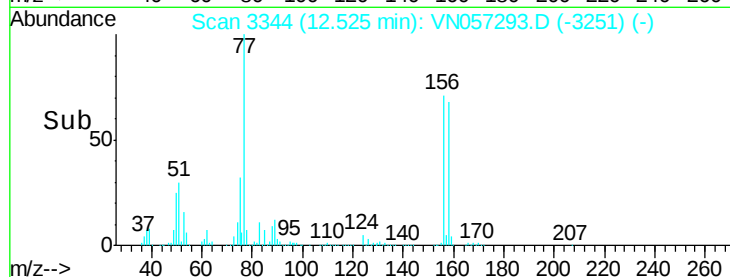
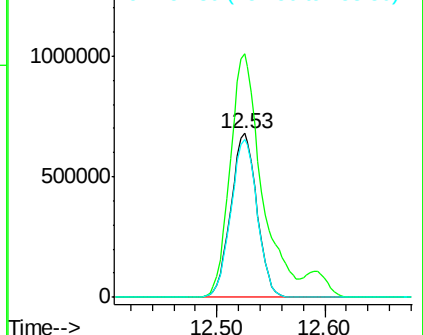
MMdadoda
8/19/2019 1:53:17 AM



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: 86.807 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057293.D

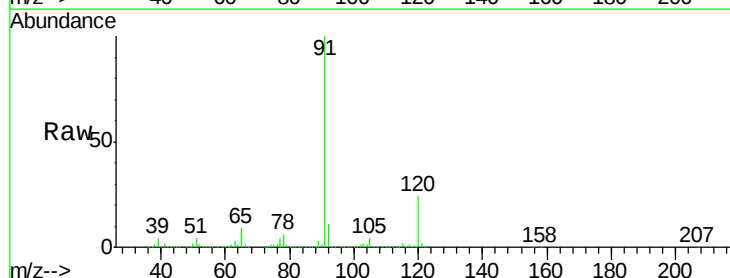
Acq: 14 Aug 2019 17:51

Tgt Ion: 91 Resp: 4633130

Ion Ratio Lower Upper

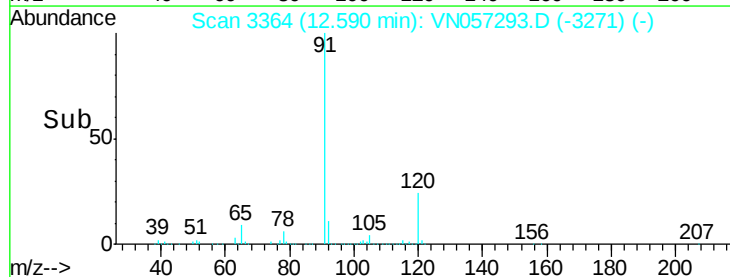
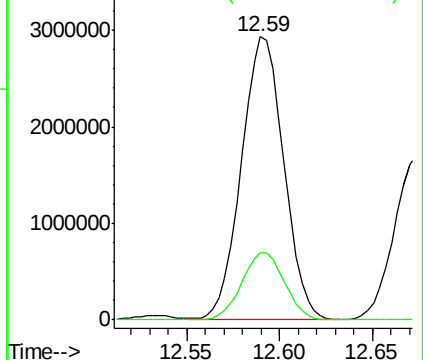
91 100

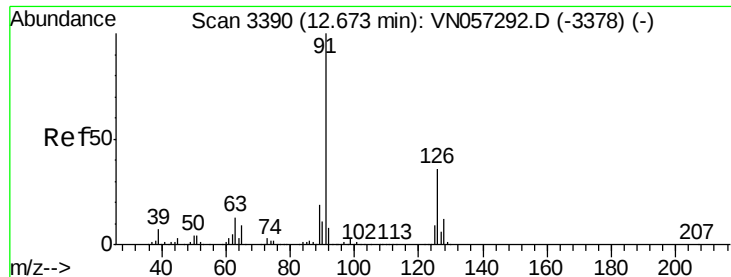
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 82.458 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2813114

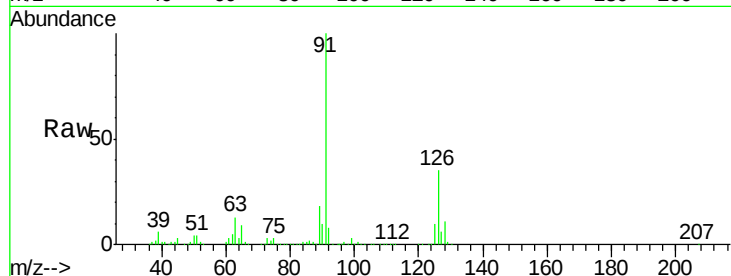
Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.1

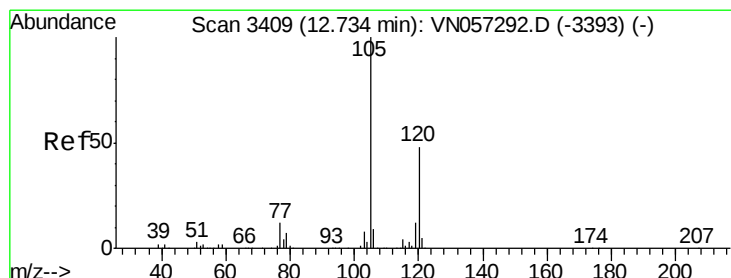
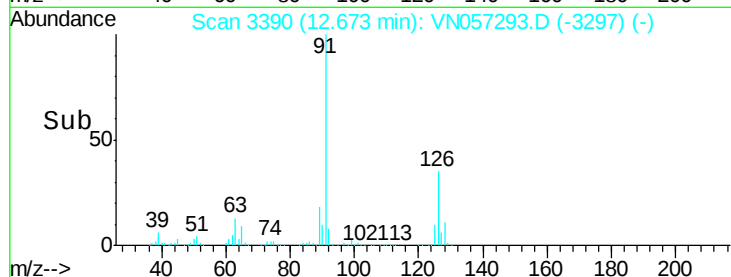
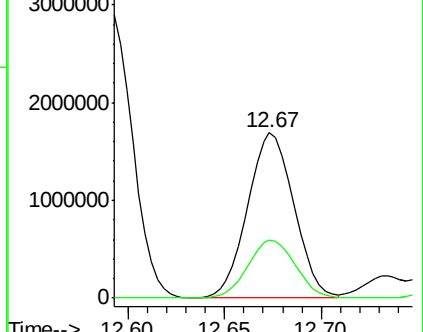
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057293.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057293.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 83.672 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057293.D

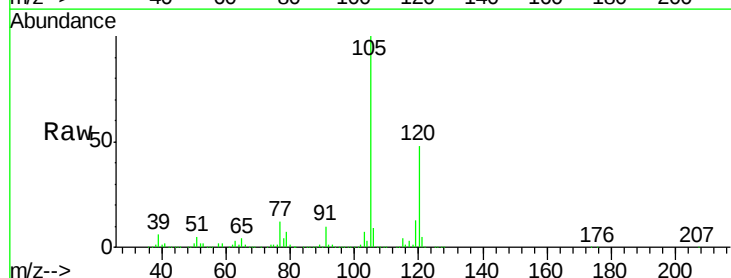
Acq: 14 Aug 2019 17:51

Tgt Ion:105 Resp: 3596450

Ion Ratio Lower Upper

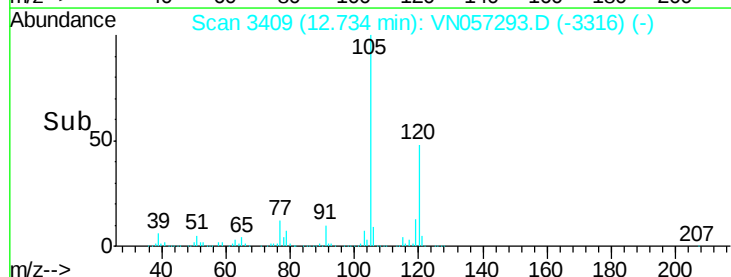
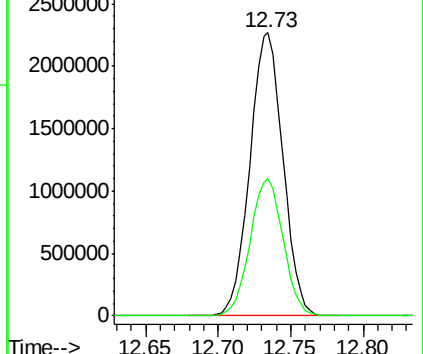
105 100

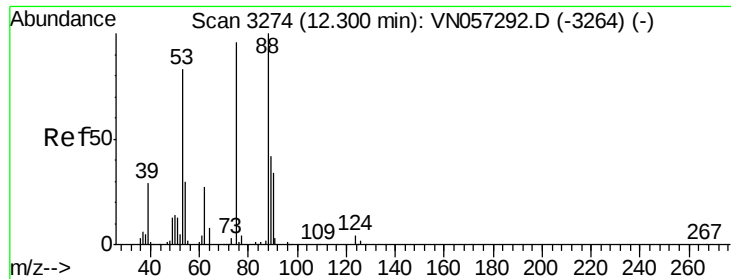
120 48.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057293.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057293.D (-3393) (-)





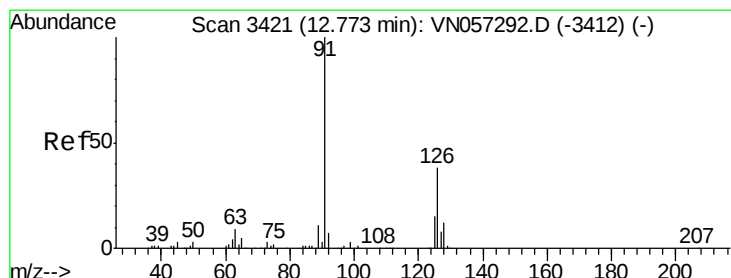
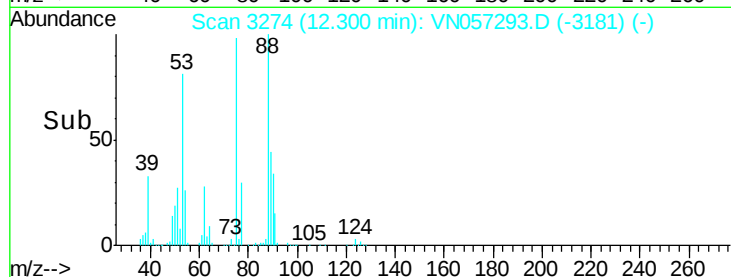
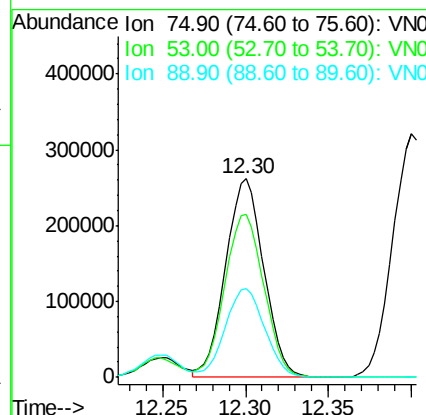
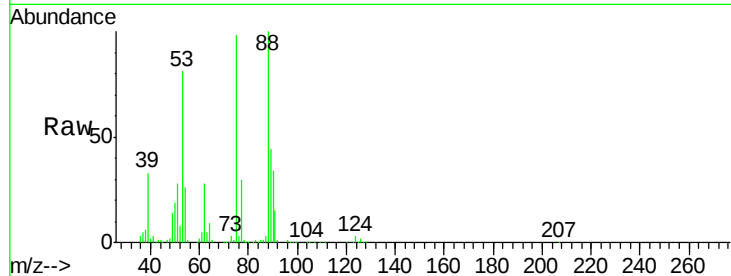
#81
trans-1,4-Dichloro-2-butene
Concen: 97.394 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	67.9	101.9
89	46.0	36.2	54.4

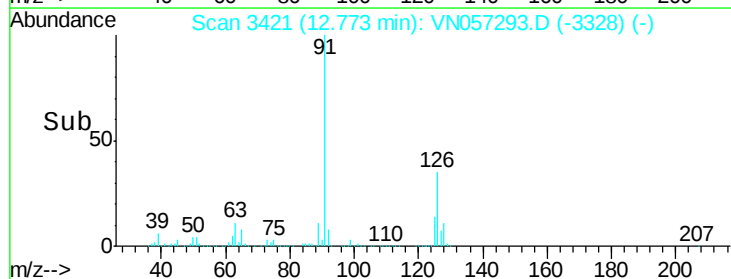
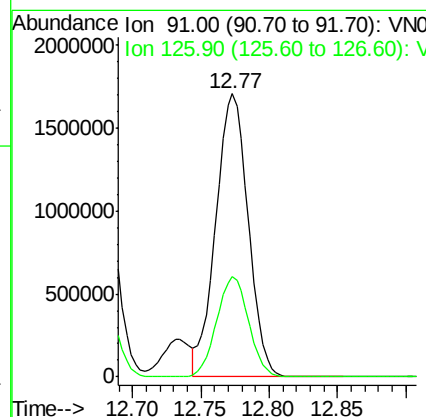
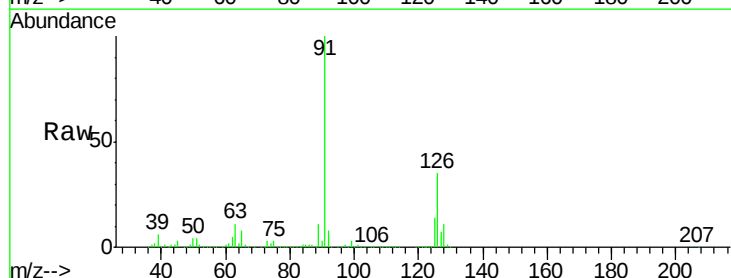
Manual Integrations
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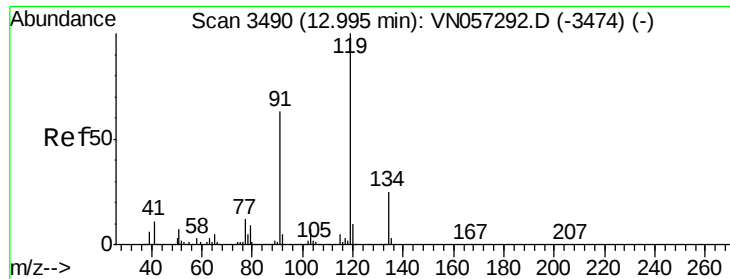
MMdadoda
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#82
4-Chlorotoluene
Concen: 89.981 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





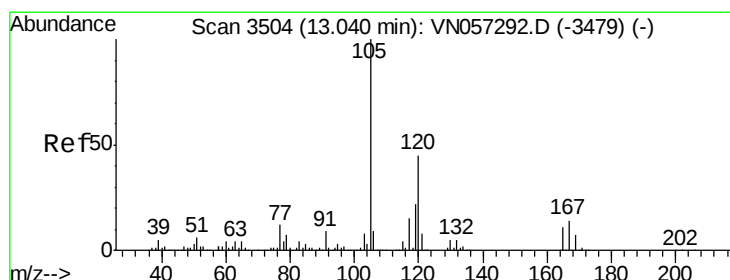
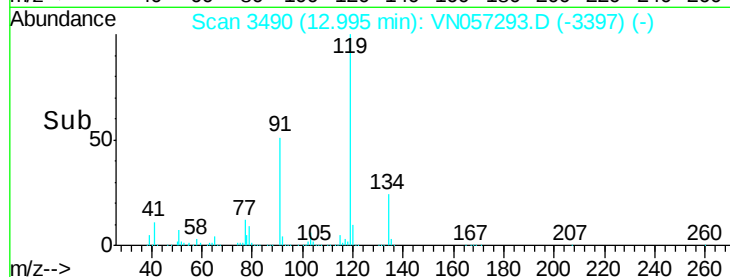
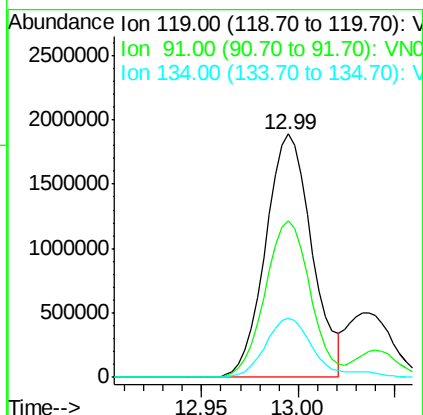
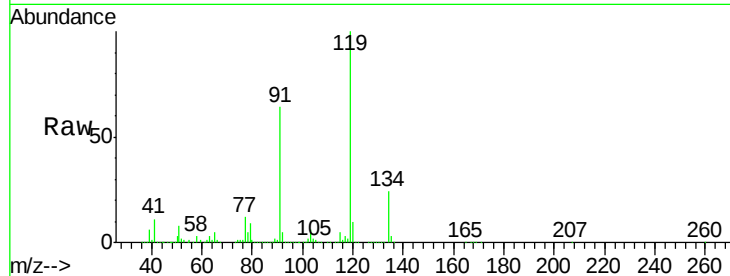
#83
 tert-Butylbenzene
 Concen: 78.309 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 3141896
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.3 93.8
 134 25.7 13.1 39.1

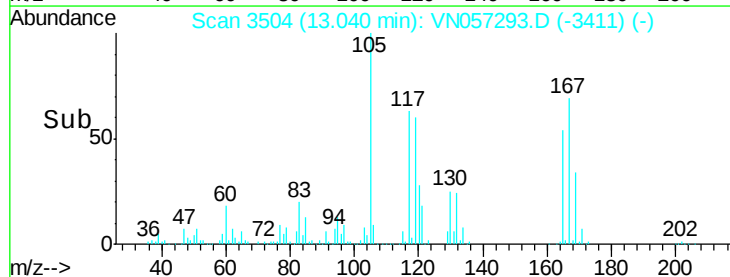
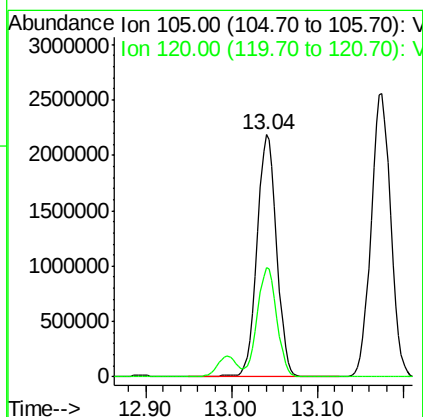
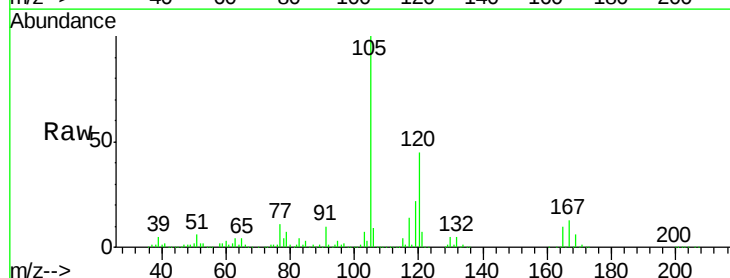
Manual Integrations
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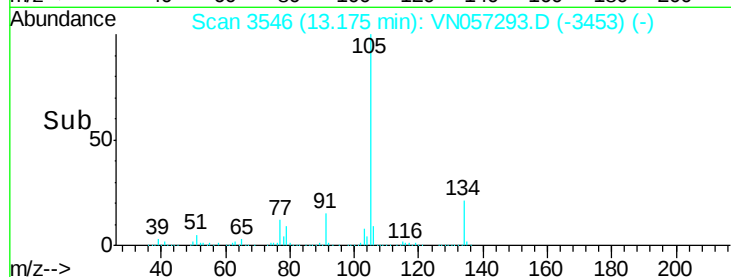
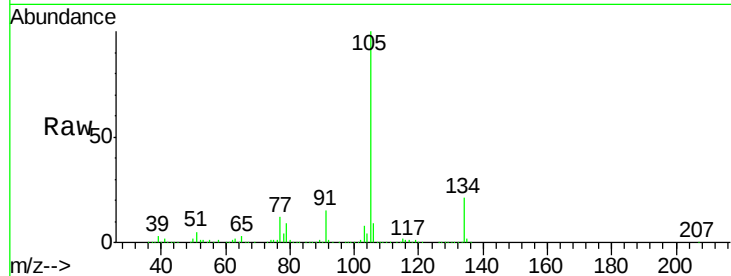
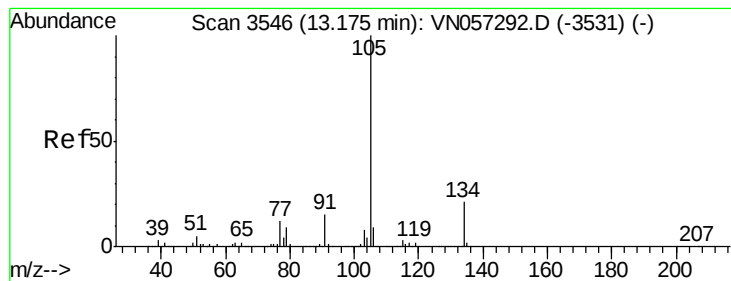
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#84
 1,2,4-Trimethylbenzene
 Concen: 86.296 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion:105 Resp: 3468952
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 84.498 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tot Ion:105 Resp: 4060975

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2

Instrument :

MSVOA_N

ClientSampled :

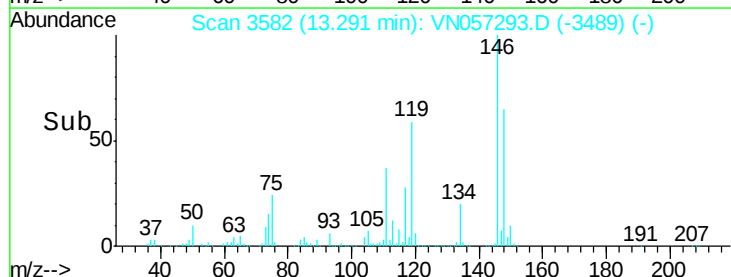
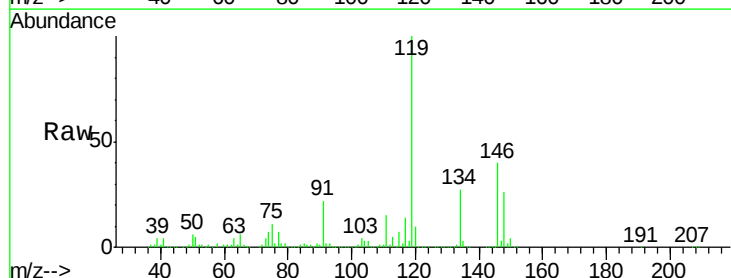
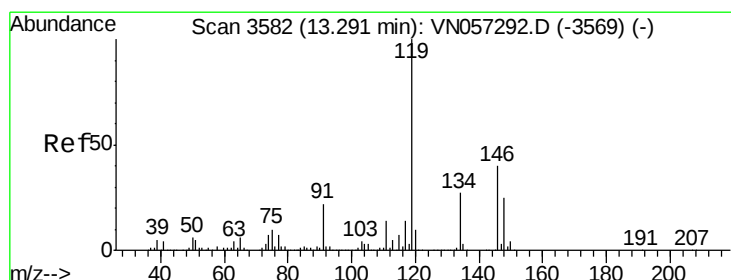
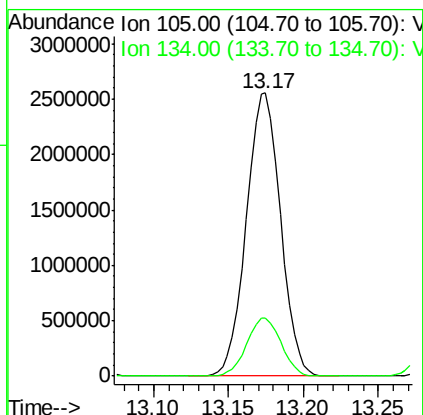
VSTDIC100

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 87.777 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

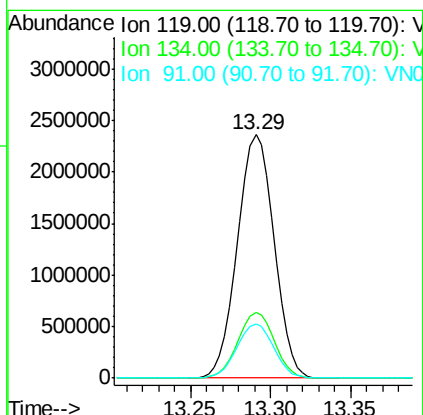
Tgt Ion:119 Resp: 3677866

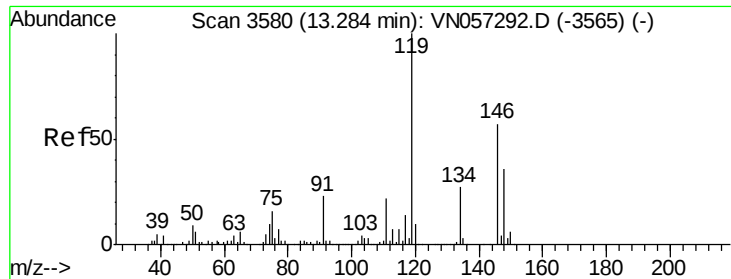
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.2 11.2 33.5





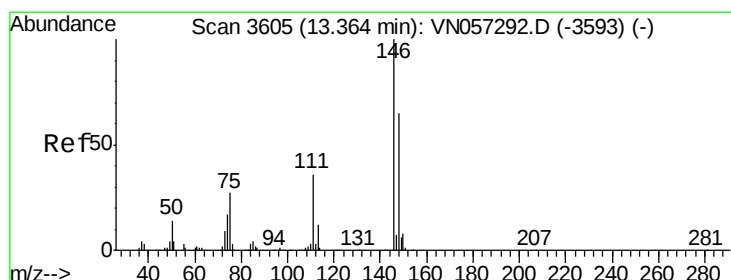
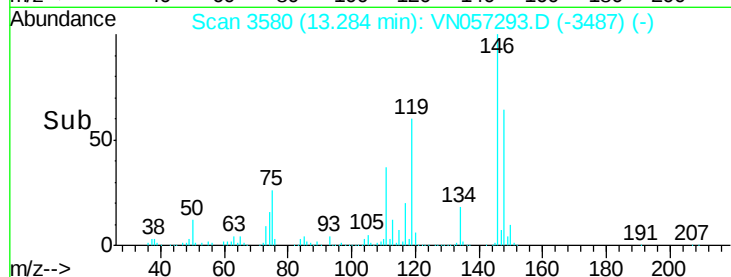
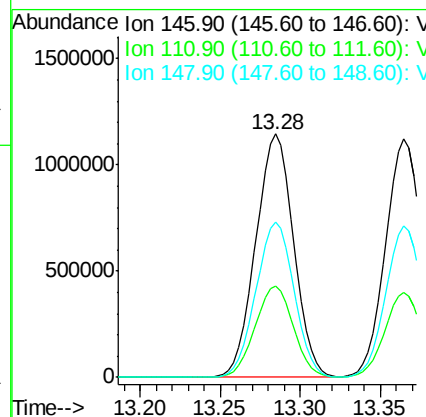
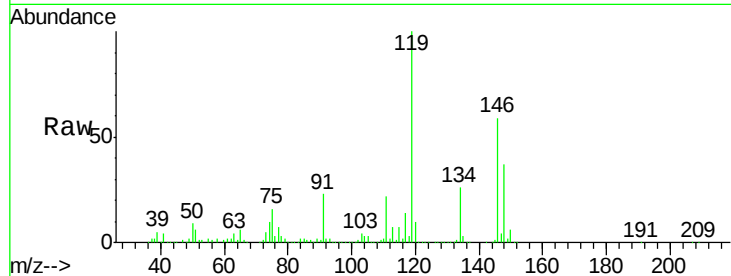
#87
 1,3-Dichlorobenzene
 Concen: 94.344 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.2	31.7	95.1

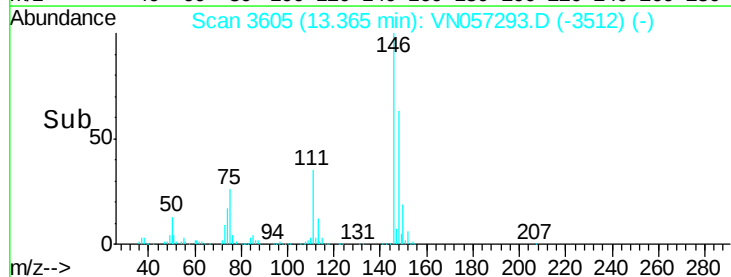
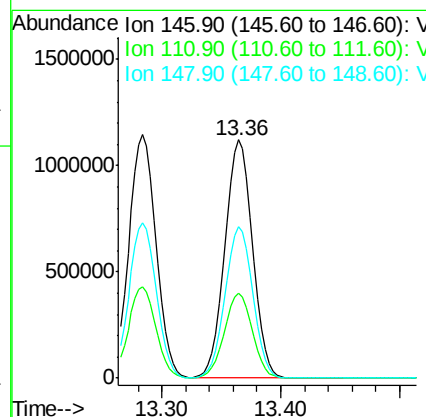
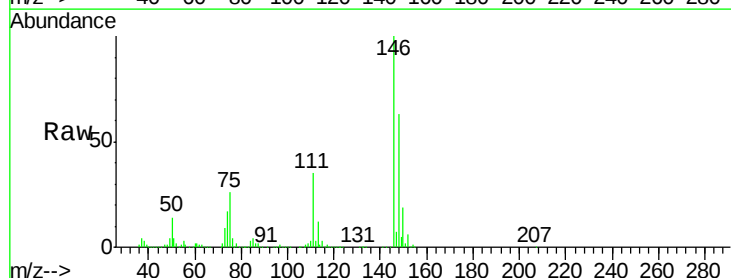
Manual Integrations
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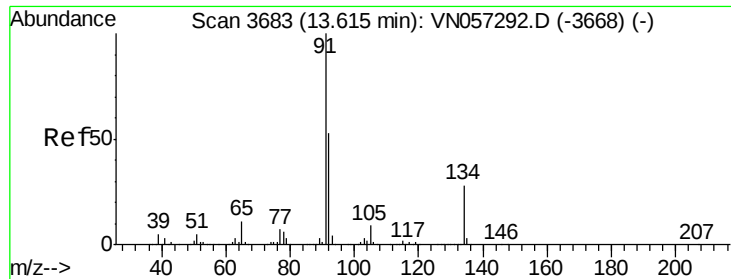
MMdadoda
 8/19/2019 1:53:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 94.228 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.4	55.4
148	63.6	32.5	97.4





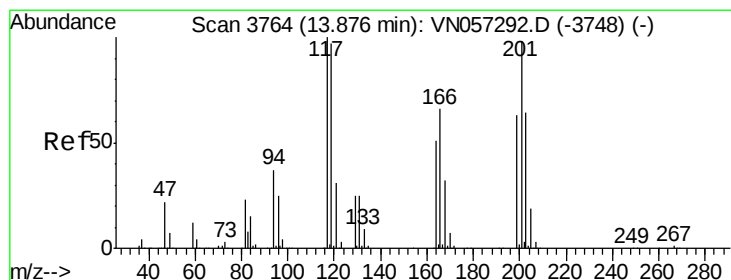
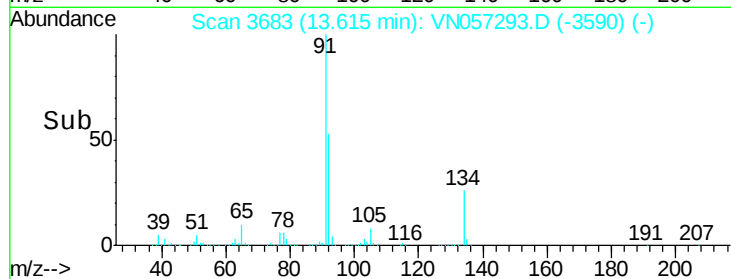
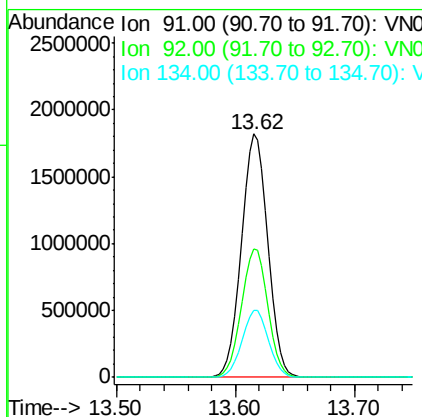
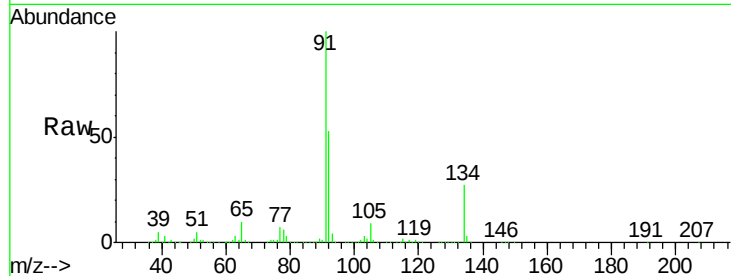
#89
n-Butylbenzene
Concen: 94.610 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.6
134	27.6	13.9	41.7

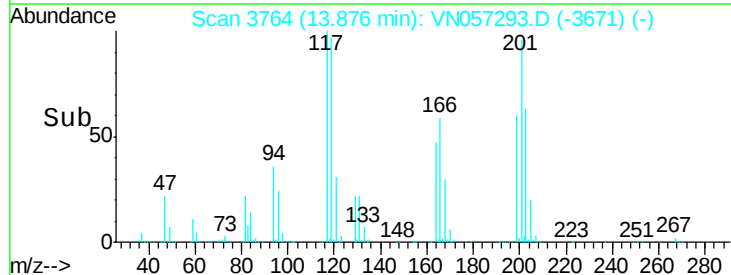
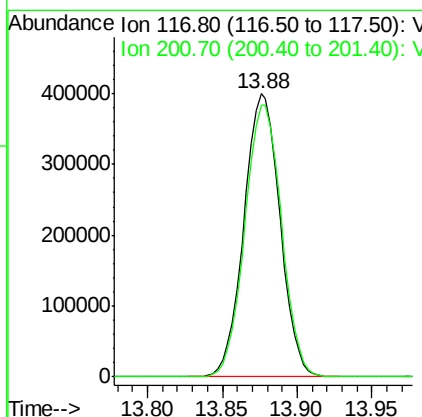
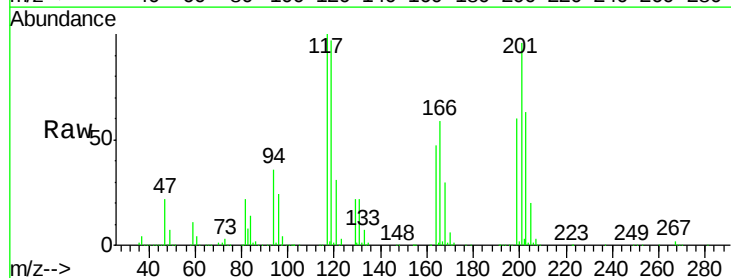
Manual Integrations
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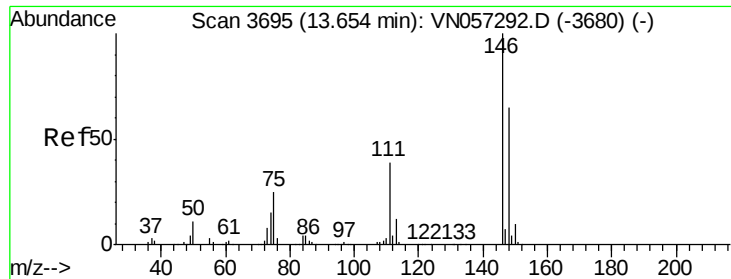
MMDadoda
8/19/2019 1:53:17 AM



#90
Hexachloroethane
Concen: 81.799 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	48.4	145.0





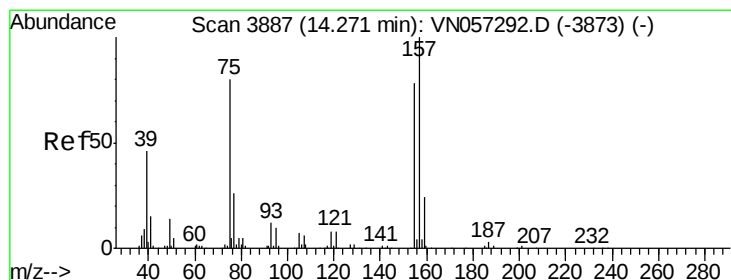
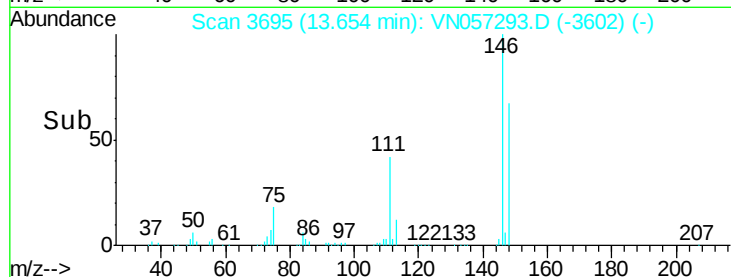
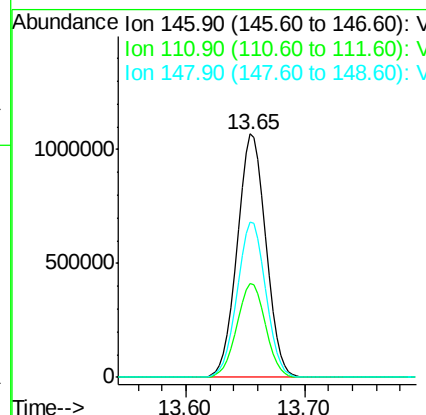
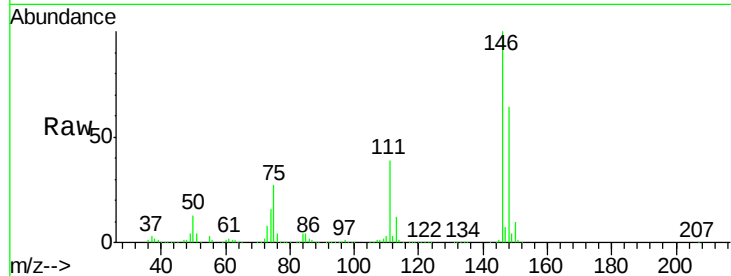
#91
 1,2-Dichlorobenzene
 Concen: 92.730 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.9	32.0	96.0

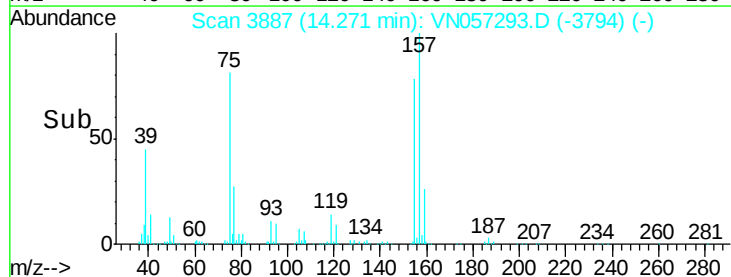
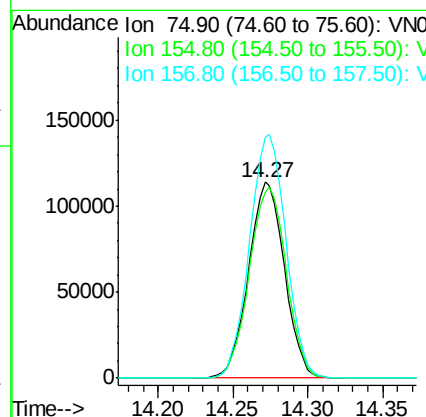
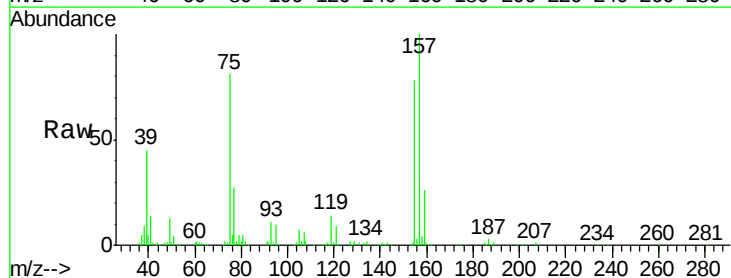
Manual Integrations
 APPROVED

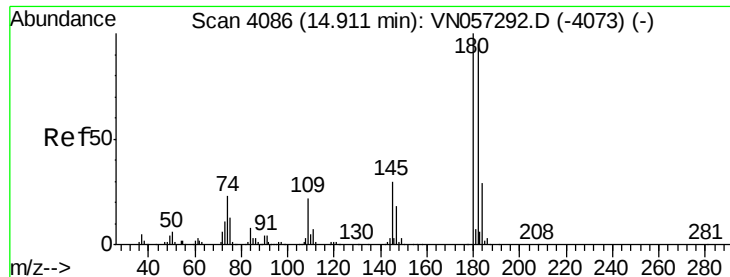
MMdadoda
 8/19/2019 1:53:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.499 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	49.6	148.8
157	126.1	63.7	191.1





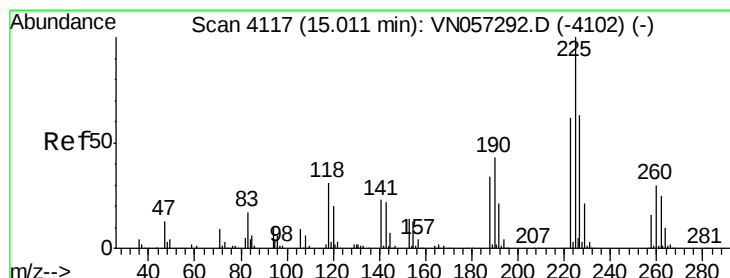
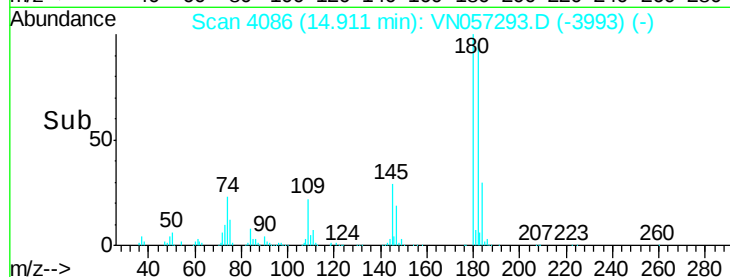
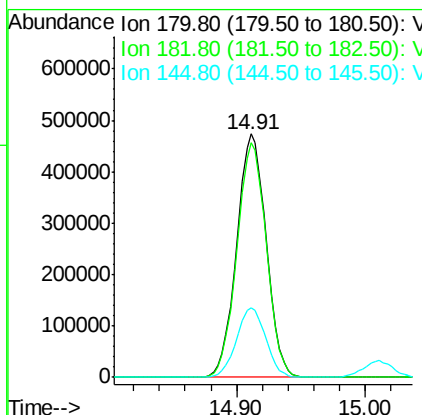
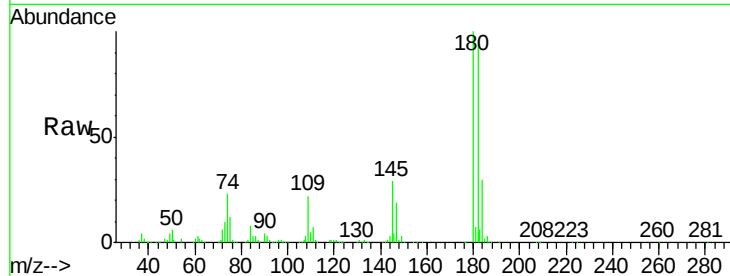
#93
 1,2,4-Trichlorobenzene
 Concen: 108.869 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	750011		
182	96.2	48.0	144.2	
145	28.5	14.5	43.6	

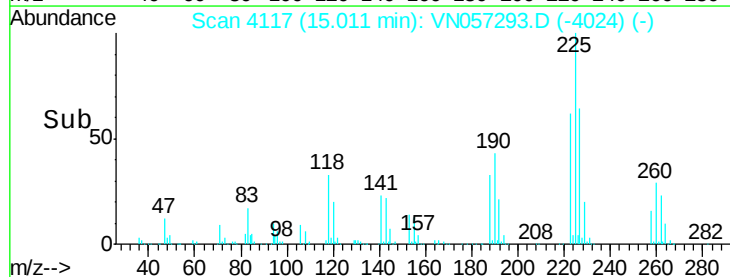
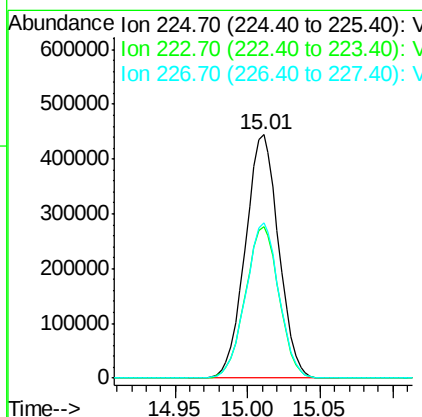
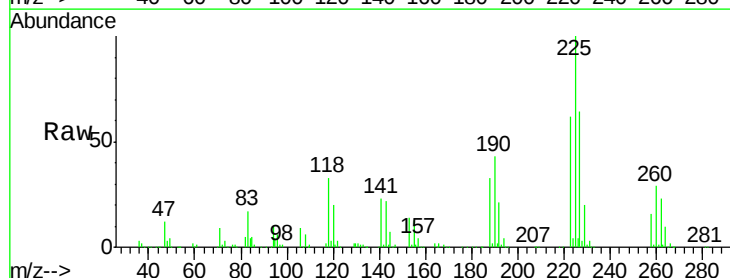
Manual Integrations
 APPROVED

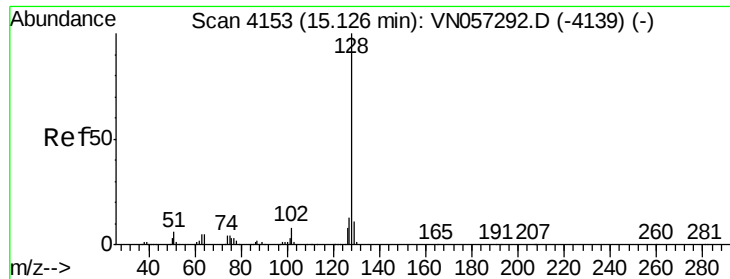
MMdadoda
 8/19/2019 1:53:17 AM



#94
 Hexachlorobutadiene
 Concen: 77.045 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	711572		
223	62.8	30.7	92.1	
227	63.7	30.9	92.7	





#95

Naphthalene

Concen: 113.088 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1530198

Ion Ratio Lower Upper

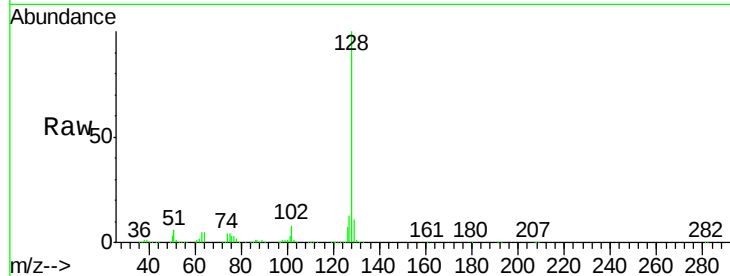
128 100

127 12.7 10.5 15.7

129 10.9 8.8 13.2

Manual Integrations
APPROVED

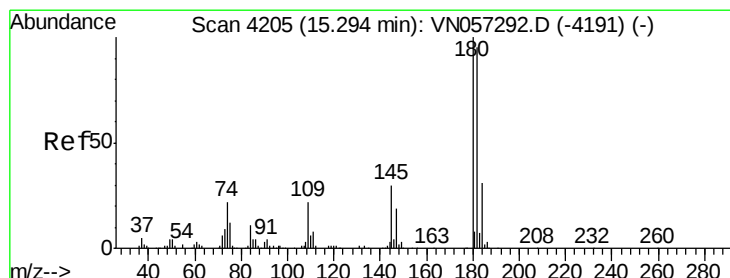
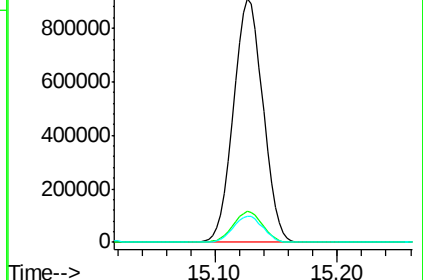
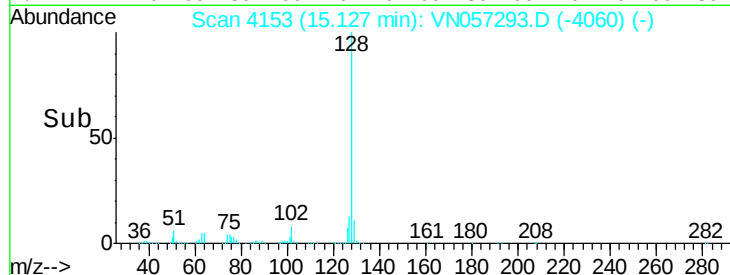
MMdadoda
8/19/2019 1:53:17 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 89.630 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

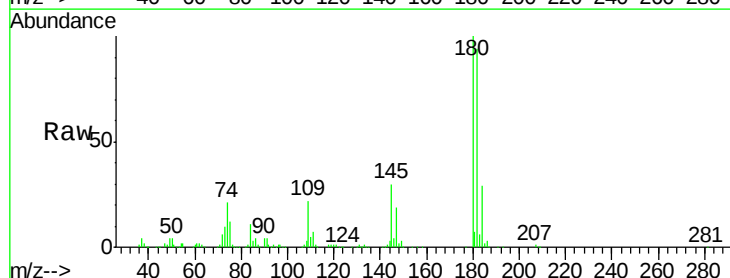
Tgt Ion:180 Resp: 625784

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.6

145 29.9 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

