

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055003.D
 Acq On : 12 Apr 2019 16:58
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:19 PM

Quant Time: Apr 13 03:24:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	454540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	722489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	696221	116.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.06%	
35) Dibromofluoromethane	7.59	113	564351	120.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.04%	
50) Toluene-d8	10.09	98	2156474	121.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.74%	
62) 4-Bromofluorobenzene	12.40	95	758068	128.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733589	136.930	ug/l	100
3) Chloromethane	2.06	50	949597	134.444	ug/l	98
4) Vinyl Chloride	2.19	62	771131	125.916	ug/l	98
5) Bromomethane	2.54	94	422976	120.738	ug/l	96
6) Chloroethane	2.69	64	415974	121.369	ug/l	98
7) Trichlorofluoromethane	3.01	101	959428	128.438	ug/l	99
8) Diethyl Ether	3.41	74	308360	128.767	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	491345	124.275	ug/l	100
10) Methyl Iodide	3.94	142	761236	136.620	ug/l	99
11) Tert butyl alcohol	4.83	59	286045	898.667	ug/l	100
12) 1,1-Dichloroethene	3.73	96	470519	120.277	ug/l	99
13) Acrolein	3.60	56	301825	725.923	ug/l	98
14) Allyl chloride	4.31	41	1298697	147.798	ug/l	99
15) Acrylonitrile	4.99	53	1503524	801.341	ug/l	99
16) Acetone	3.82	43	1050644	624.771	ug/l	100
17) Carbon Disulfide	4.04	76	1714825	137.687	ug/l	100
18) Methyl Acetate	4.33	43	684328	150.337	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1906270	147.203	ug/l	99
20) Methylene Chloride	4.54	84	743009	133.955	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	673189	136.292	ug/l	93
22) Diisopropyl ether	5.96	45	2620103	144.650	ug/l	99
23) Vinyl Acetate	5.90	43	9946182	788.199	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1355016	137.617	ug/l	99
25) 2-Butanone	6.85	43	1918471	845.754	ug/l	100
26) 2,2-Dichloropropane	6.82	77	926431	135.094	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	789824	140.413	ug/l	99
28) Bromochloromethane	7.19	49	538657	115.856	ug/l	100
29) Tetrahydrofuran	7.22	42	1239999	826.836	ug/l	99
30) Chloroform	7.37	83	1292041	138.282	ug/l	100
31) Cyclohexane	7.65	56	1276275	113.575	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1078925	137.406	ug/l	99
36) 1,1-Dichloropropene	7.79	75	996870	141.263	ug/l	100
37) Ethyl Acetate	6.94	43	806461	162.605	ug/l	99
38) Carbon Tetrachloride	7.77	117	924373	136.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1135918	146.091	ug/l	99
40) Benzene	8.04	78	2965124	145.181	ug/l	100
41) Methacrylonitrile	7.18	41	468059	165.548	ug/l	96
42) 1,2-Dichloroethane	8.12	62	1007529	140.097	ug/l	100
43) Isopropyl Acetate	8.17	43	1414167	169.458	ug/l	99
44) Trichloroethene	8.83	130	756781	144.790	ug/l	99
45) 1,2-Dichloropropane	9.12	63	832935	146.341	ug/l	100
46) Dibromomethane	9.21	93	473540	145.504	ug/l	97
47) Bromodichloromethane	9.40	83	1026907	151.381	ug/l	99
48) Methyl methacrylate	9.20	41	725996	173.035	ug/l	100
49) 1,4-Dioxane	9.20	88	154557	3578.770	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4074733	870.444	ug/l	99
52) Toluene	10.16	92	1794993	149.361	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1071621	172.155	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1237134	162.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	669645	152.210	ug/l	98
56) Ethyl methacrylate	10.43	69	993553	173.406	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1180872	153.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2086486	926.548	ug/l	99
59) 2-Hexanone	10.75	43	2642082	907.475	ug/l	100
60) Dibromochloromethane	10.90	129	756253	165.225	ug/l	99
61) 1,2-Dibromoethane	11.01	107	683316	165.648	ug/l	99
64) Tetrachloroethene	10.63	164	687002	130.876	ug/l	98
65) Chlorobenzene	11.43	112	1909526	144.645	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	722660	149.487	ug/l	99
67) Ethyl Benzene	11.51	91	3469682	145.853	ug/l	100
68) m/p-Xylenes	11.62	106	2566905	294.885	ug/l	100
69) o-Xylene	11.95	106	1241806	146.499	ug/l	100
70) Styrene	11.96	104	2134837	156.797	ug/l	99
71) Bromoform	12.13	173	502901	171.869	ug/l	100
73) Isopropylbenzene	12.25	105	3318066	134.412	ug/l	99
74) N-amyl acetate	12.07	43	1169857	169.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	848610	137.902	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	713971m	134.362	ug/l	
77) Bromobenzene	12.53	156	832813	139.125	ug/l	99
78) n-propylbenzene	12.59	91	3740681	137.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	2239582	132.825	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2737303	135.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	236562	186.586	ug/l	89
82) 4-Chlorotoluene	12.77	91	2278873	142.911	ug/l	100
83) tert-Butylbenzene	12.99	119	2309011	133.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2716023	138.674	ug/l	99
85) sec-Butylbenzene	13.17	105	3025811	135.373	ug/l	99
86) p-Isopropyltoluene	13.29	119	2689911	139.809	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1407521	141.839	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1383659	146.274	ug/l	99
89) n-Butylbenzene	13.61	91	2346497	153.680	ug/l	100
90) Hexachloroethane	13.87	117	472726	147.718	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1343910	137.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134448	156.999	ug/l	94

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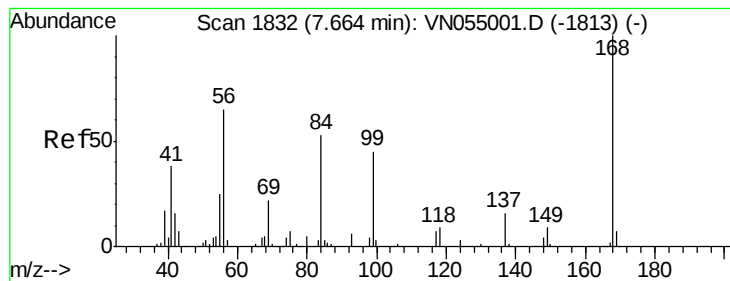
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	772382	179.754	ug/l	99
94) Hexachlorobutadiene	15.01	225	416248	127.115	ug/l	99
95) Naphthalene	15.13	128	1853046	195.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	755956	169.328	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055003.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 454540

Ion Ratio Lower Upper

168 100

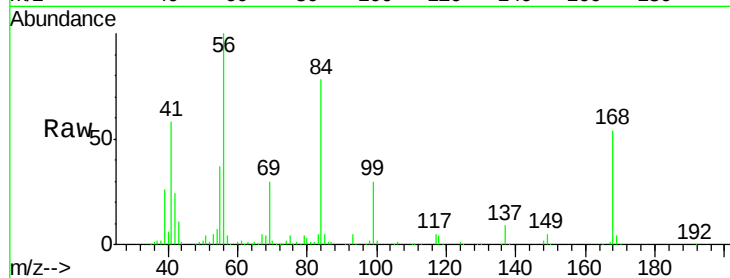
99 54.4 41.9 62.9

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

300000

250000

200000

150000

100000

50000

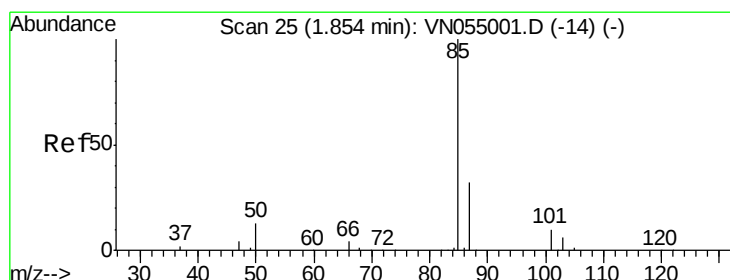
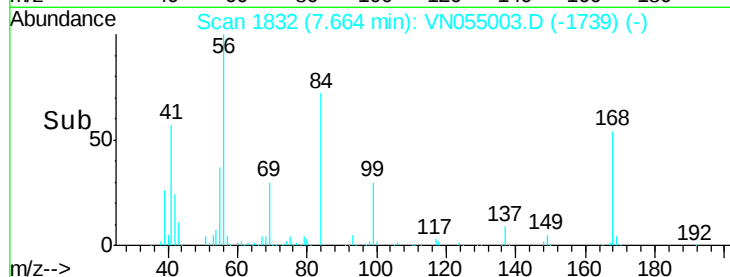
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 136.930 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055003.D

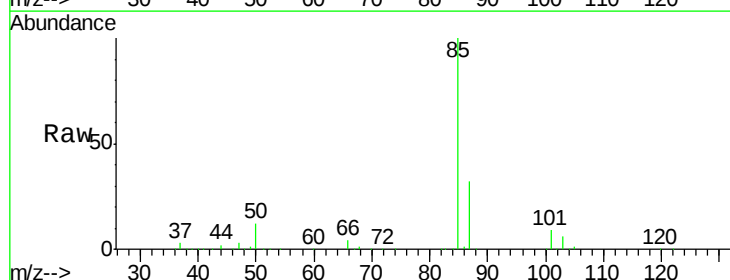
Acq: 12 Apr 2019 16:58

Tgt Ion: 85 Resp: 733589

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

500000

400000

300000

200000

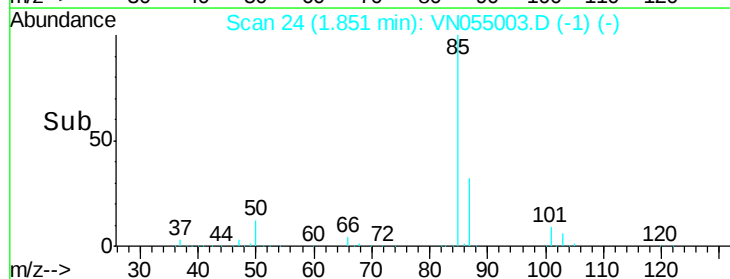
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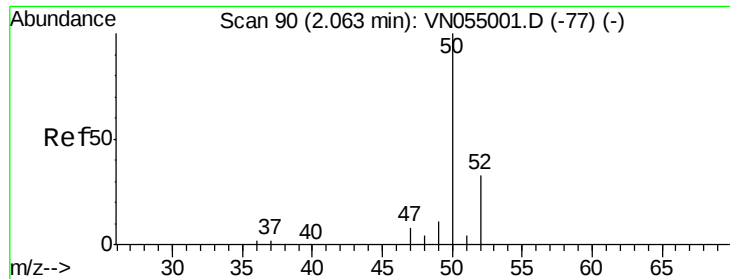
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 134.444 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 949597

Ion Ratio Lower Upper

50 100

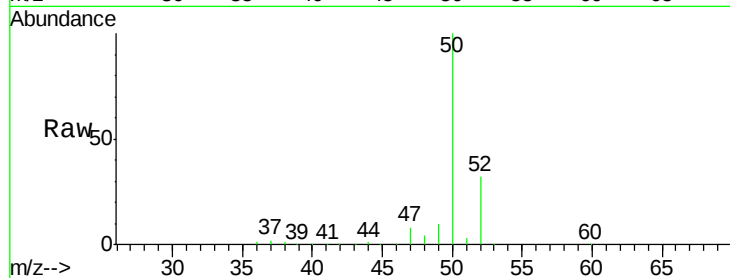
52 32.3 26.6 40.0

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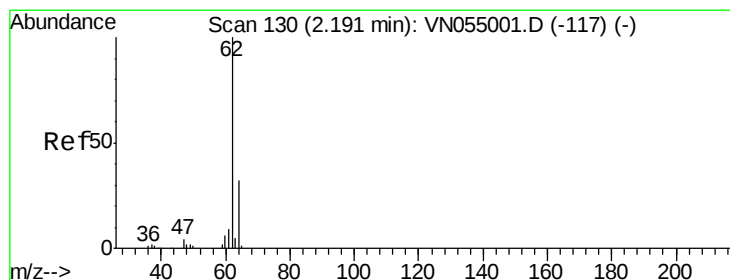
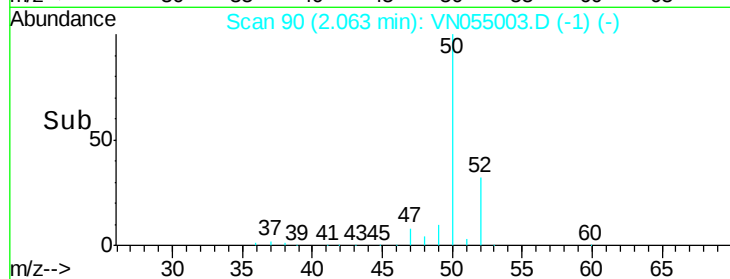
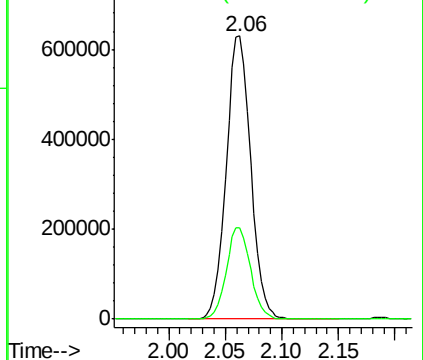
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 125.916 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055003.D

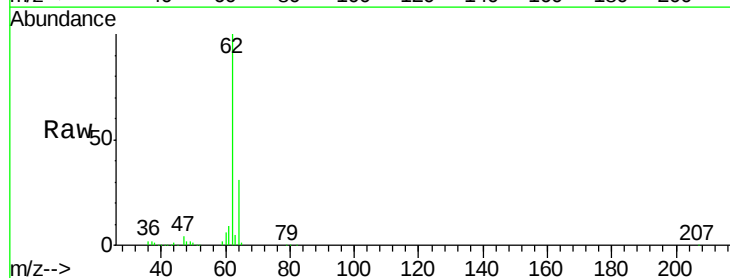
Acq: 12 Apr 2019 16:58

Tgt Ion: 62 Resp: 771131

Ion Ratio Lower Upper

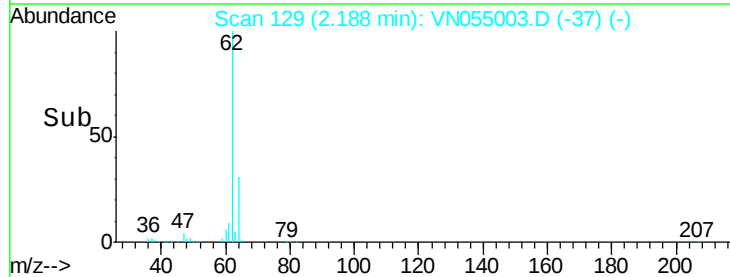
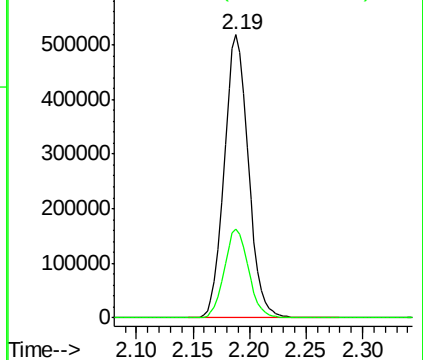
62 100

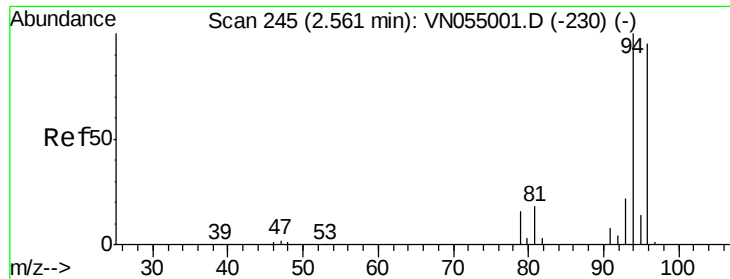
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 120.738 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 422976

Ion Ratio Lower Upper

94 100

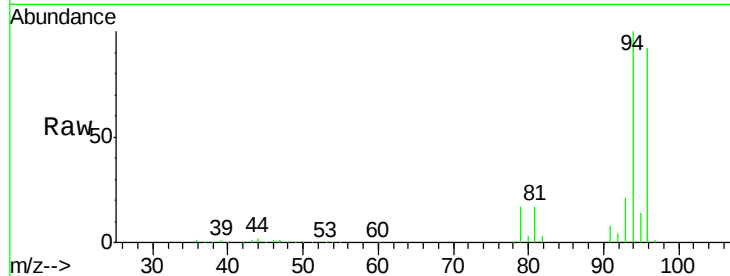
96 91.8 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250000

200000

150000

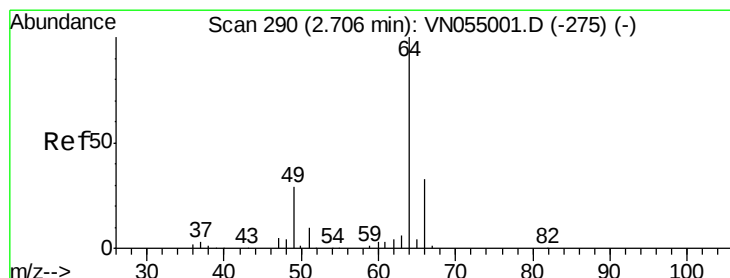
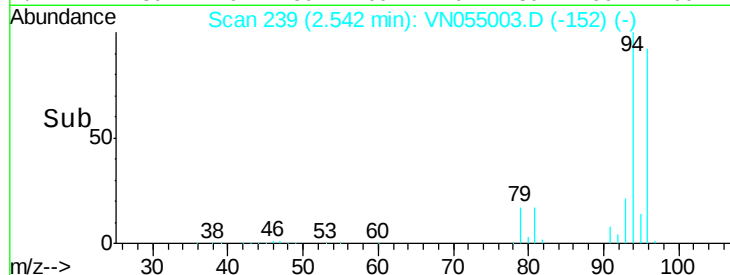
100000

50000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 121.369 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055003.D

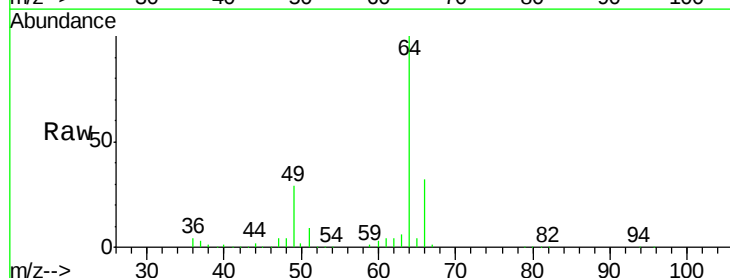
Acq: 12 Apr 2019 16:58

Tgt Ion: 64 Resp: 415974

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

200000

150000

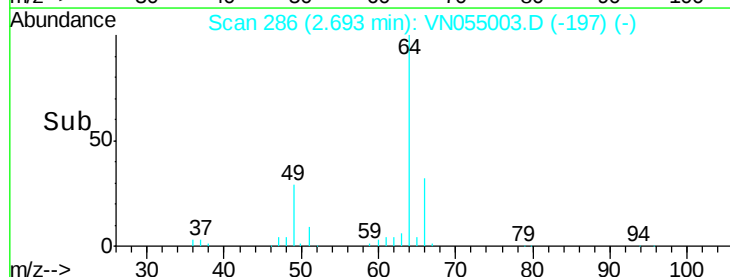
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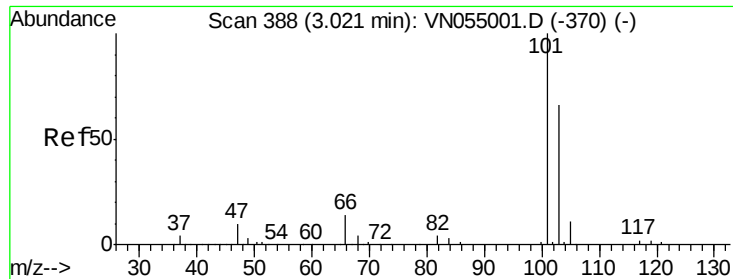
50000

0

Time-->

2.60 2.70 2.80





#7

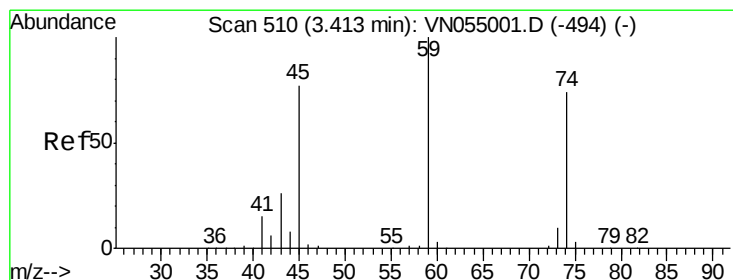
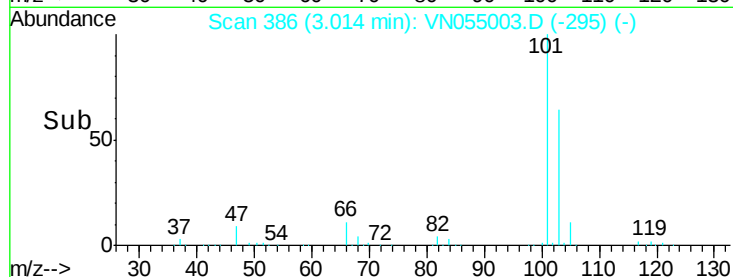
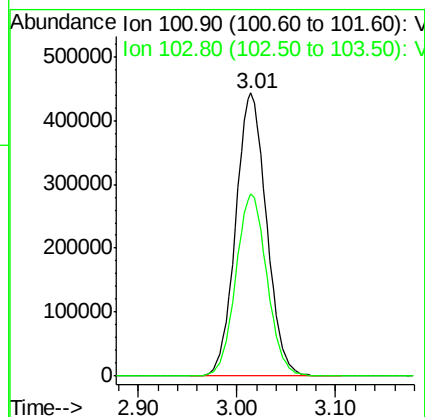
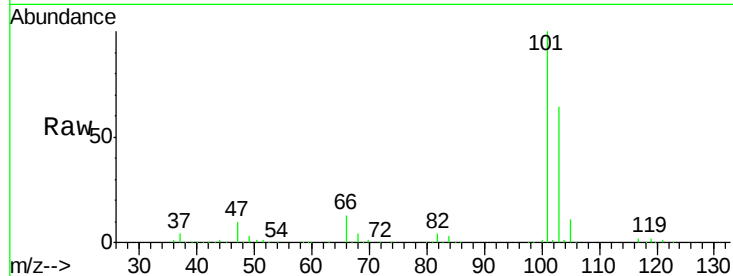
Trichlorofluoromethane
 Concen: 128.438 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

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Tot Ion:101 Resp: 959428
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.5 78.7

Manual Integrations
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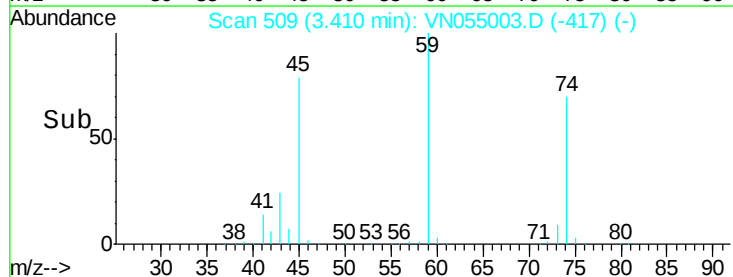
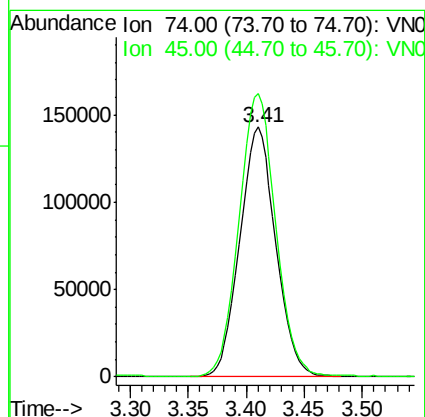
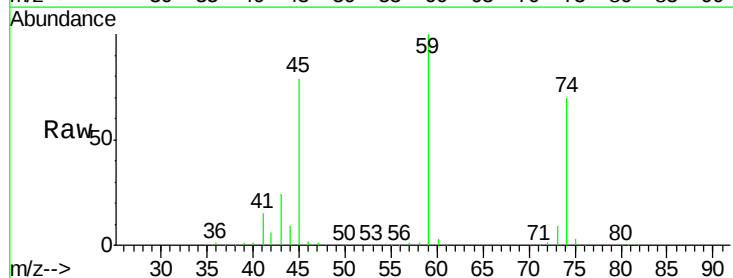
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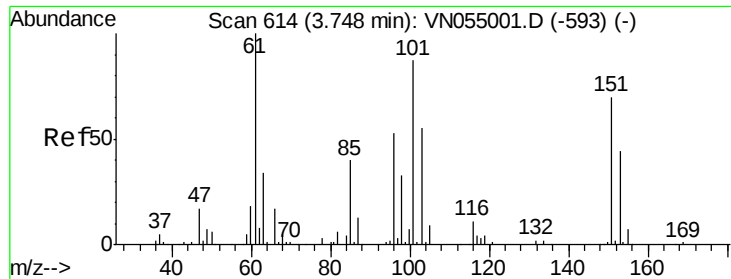


#8

Diethyl Ether
 Concen: 128.767 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 74 Resp: 308360
 Ion Ratio Lower Upper
 74 100
 45 115.2 55.7 167.1





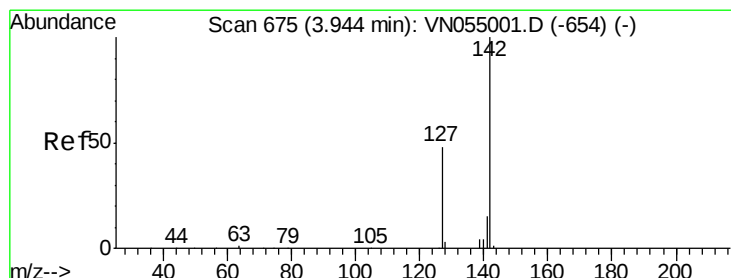
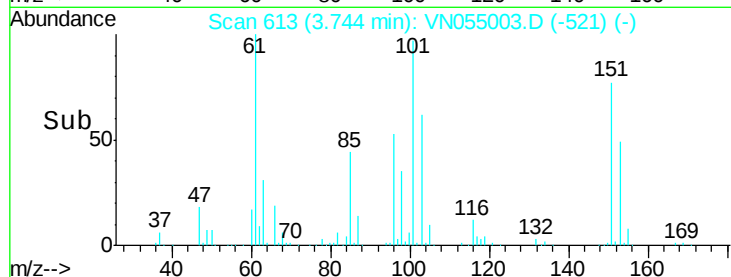
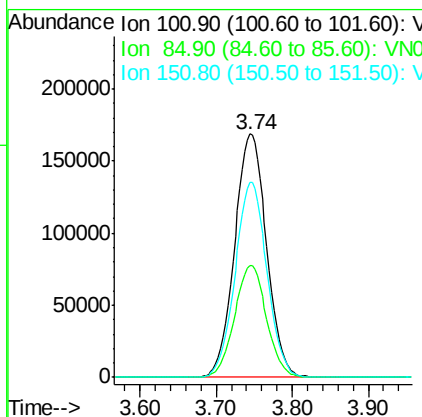
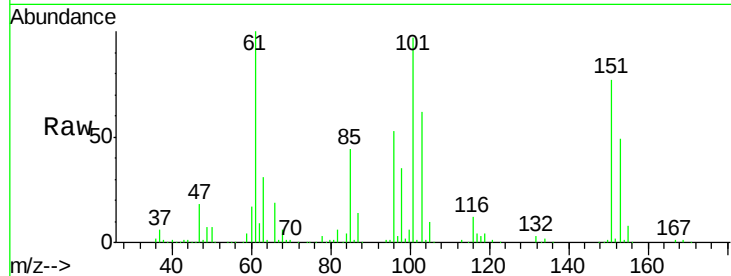
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 124.275 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	491345		
85	46.1	36.9	55.3	
151	80.0	64.4	96.6	

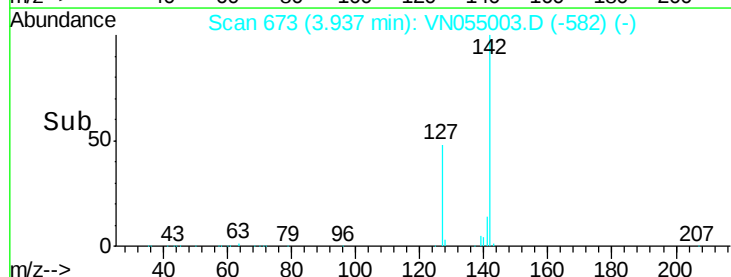
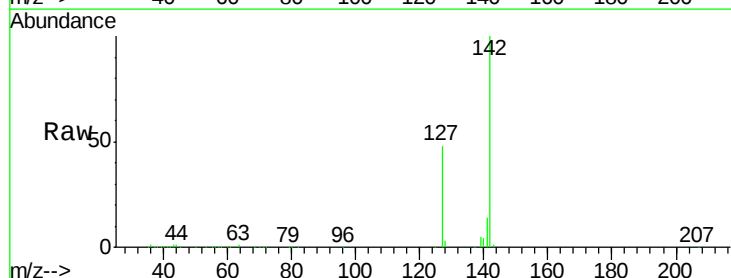
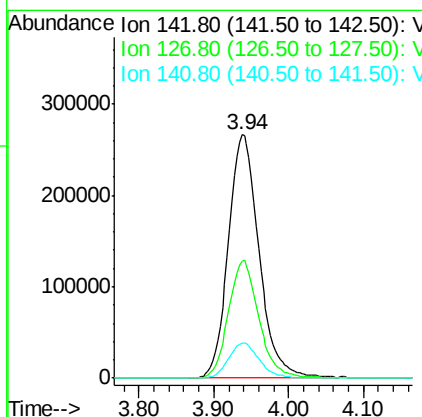
Manual Integrations
 APPROVED

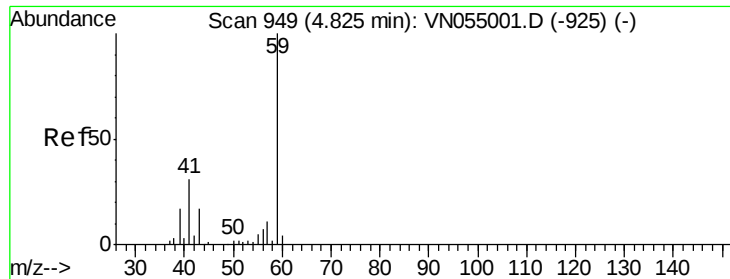
MMDadoda
 4/16/2019 1:58:19 PM



#10
 Methyl Iodide
 Concen: 136.620 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	761236		
127	47.8	37.9	56.9	
141	14.4	11.8	17.8	





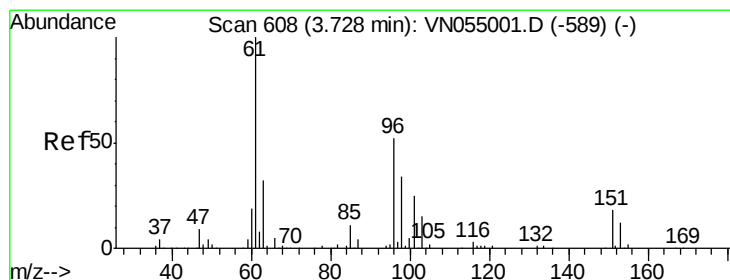
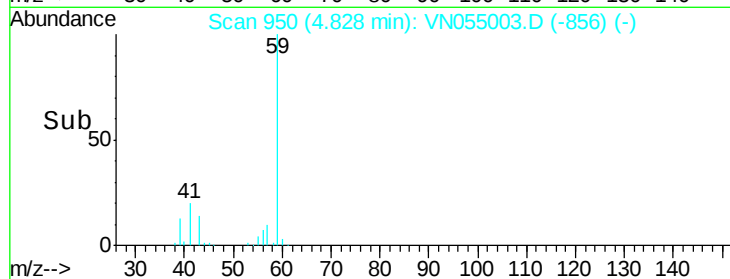
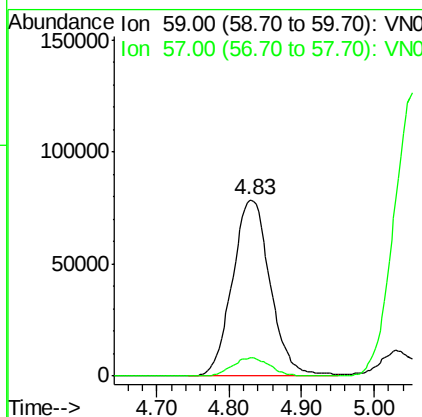
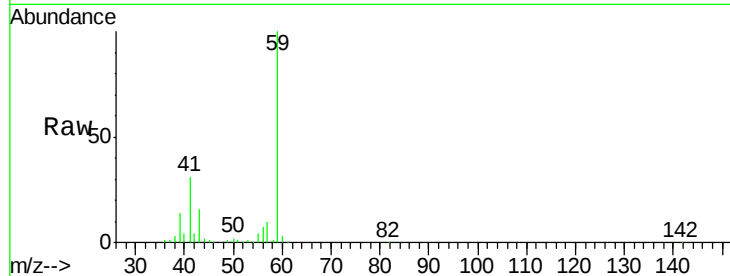
#11
Tert butyl alcohol
Concen: 898.667 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

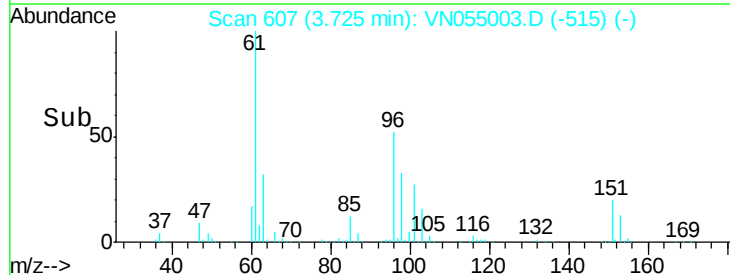
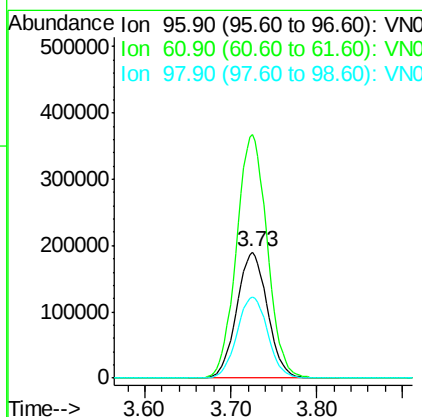
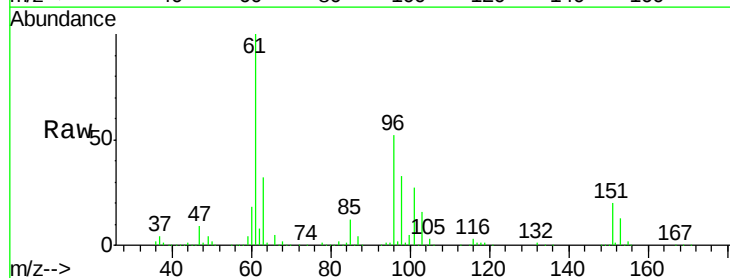
Manual Integrations
APPROVED

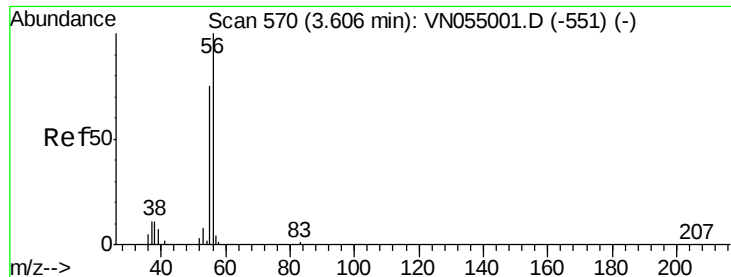
MMDadoda
4/16/2019 1:58:19 PM



#12
1,1-Dichloroethene
Concen: 120.277 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.0	154.2	231.4
98	64.3	52.9	79.3





#13

Acrolein

Concen: 725.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 301825

Ion Ratio Lower Upper

56 100

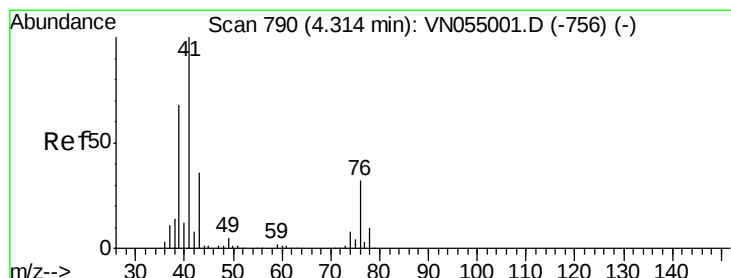
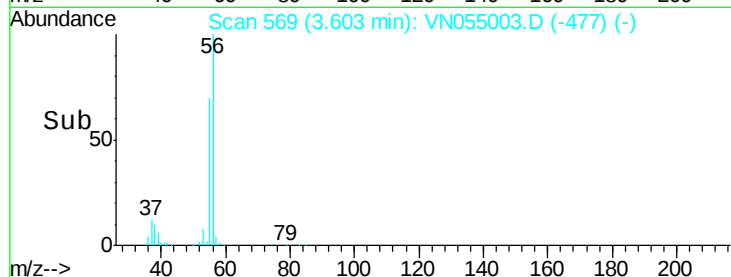
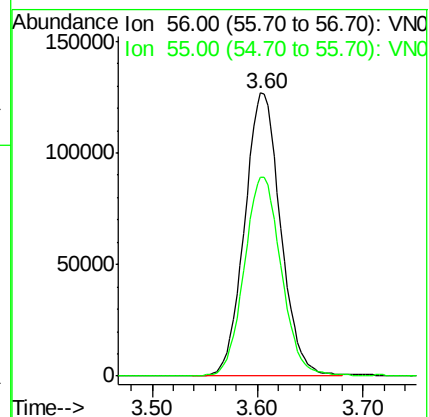
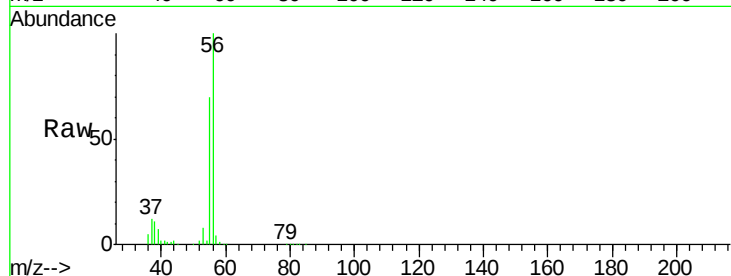
55 72.4 59.5 89.3

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 147.798 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

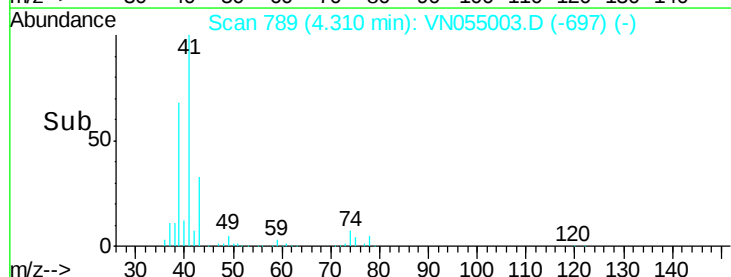
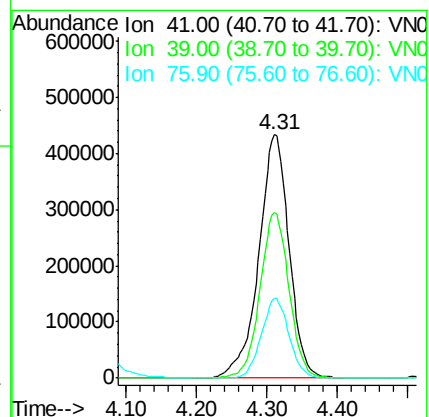
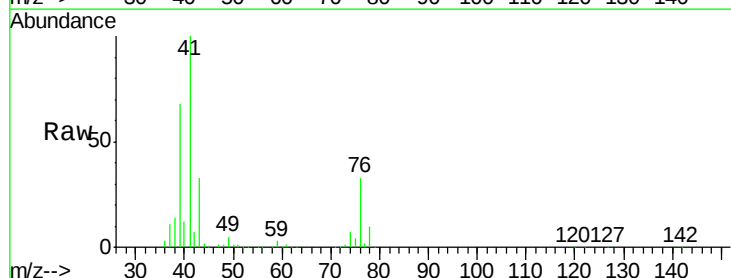
Tgt Ion: 41 Resp: 1298697

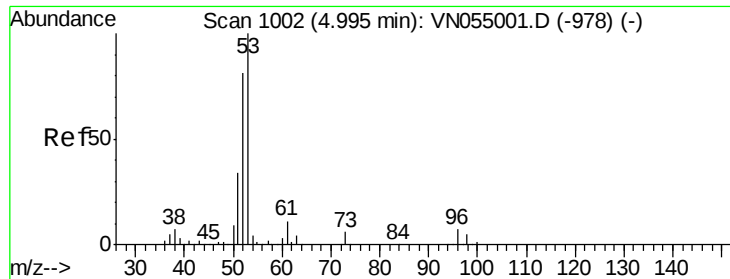
Ion Ratio Lower Upper

41 100

39 65.0 52.7 79.1

76 29.8 23.2 34.8





#15

Acrylonitrile

Concen: 801.341 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1503524

Ion Ratio Lower Upper

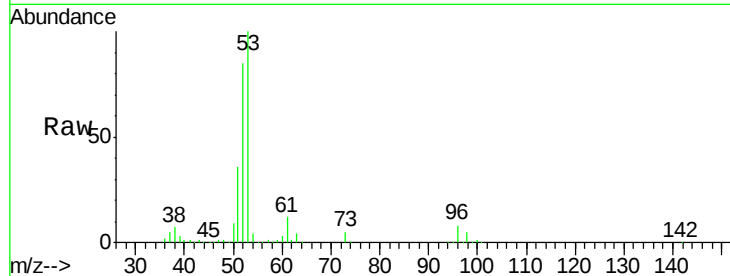
53 100

52 83.1 65.9 98.9

51 36.7 29.7 44.5

Manual Integrations
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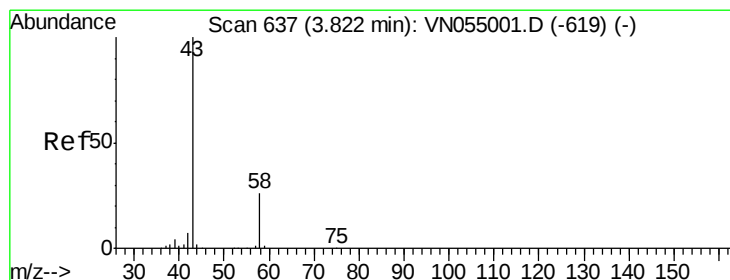
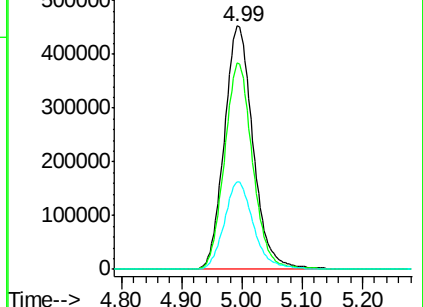
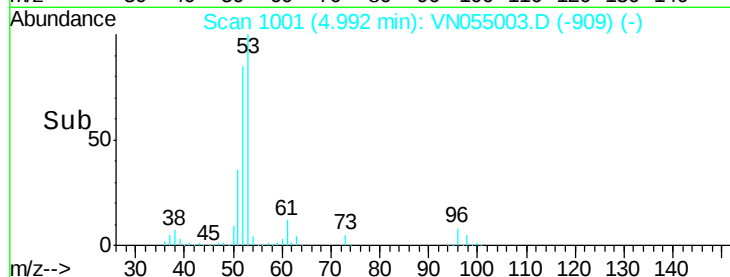
MMDadoda
4/16/2019 1:58:19 PM



Abundance Ion 53.00 (52.70 to 53.70): VN055003.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN055003.D (-909) (-)

Ion 51.00 (50.70 to 51.70): VN055003.D (-909) (-)



#16

Acetone

Concen: 624.771 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055003.D

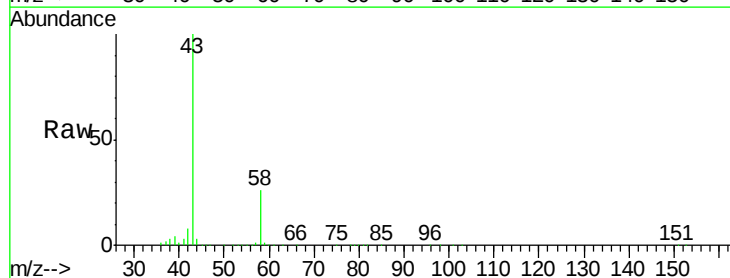
Acq: 12 Apr 2019 16:58

Tgt Ion: 43 Resp: 1050644

Ion Ratio Lower Upper

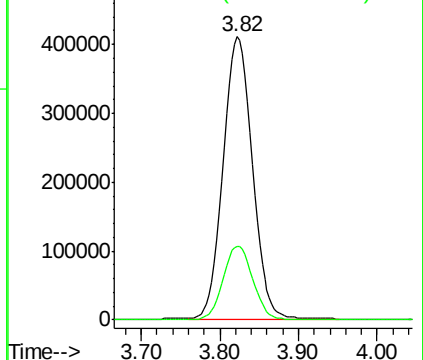
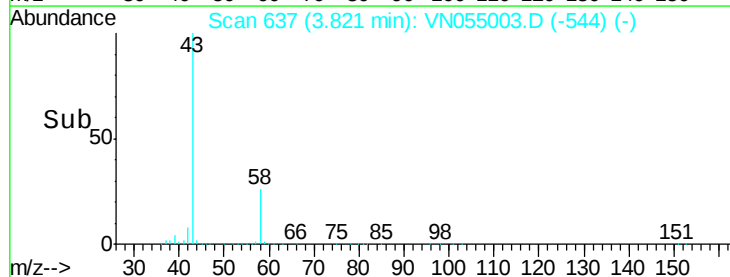
43 100

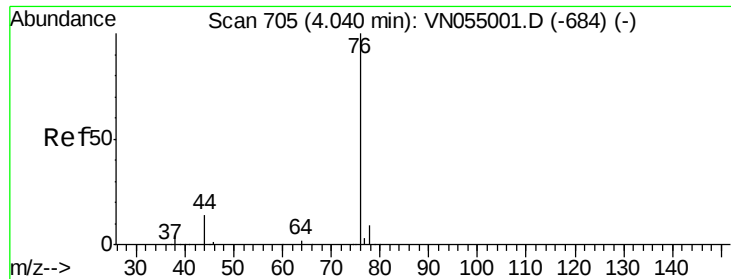
58 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055003.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN055003.D (-544) (-)





#17

Carbon Disulfide

Concen: 137.687 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1714825

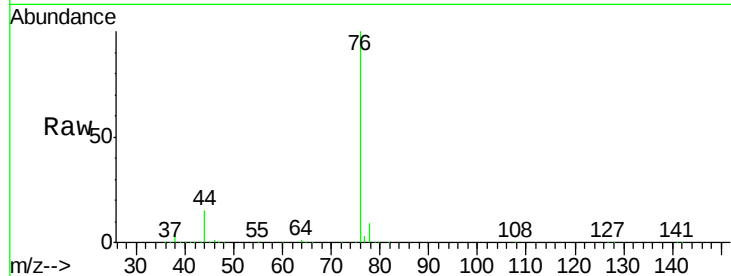
Ion Ratio Lower Upper

76 100

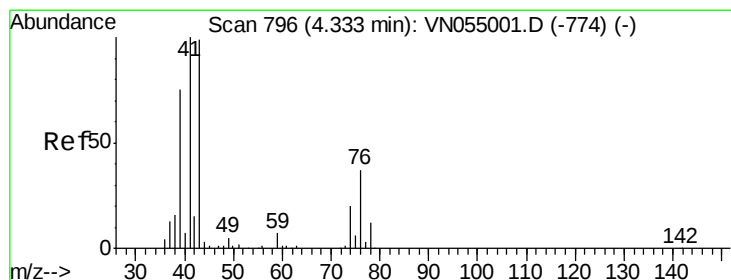
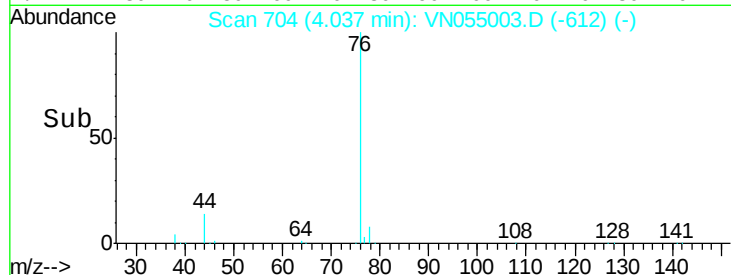
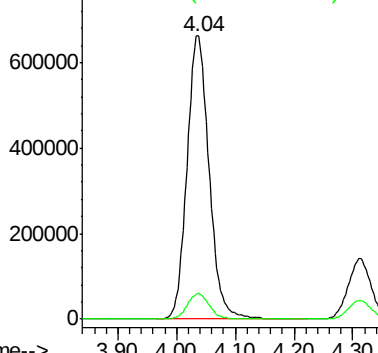
78 9.0 7.2 10.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 150.337 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055003.D

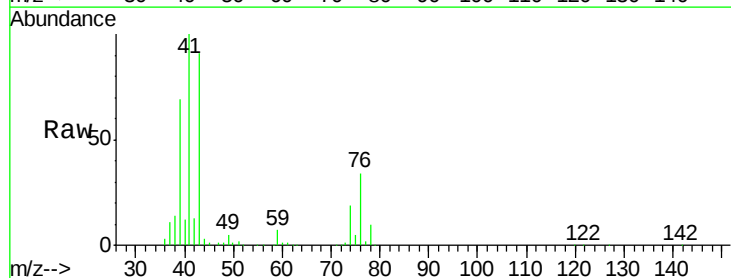
Acq: 12 Apr 2019 16:58

Tgt Ion: 43 Resp: 684328

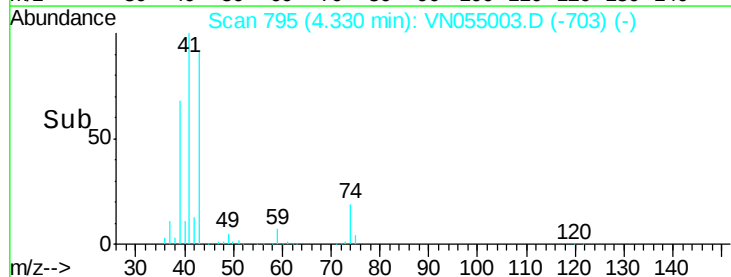
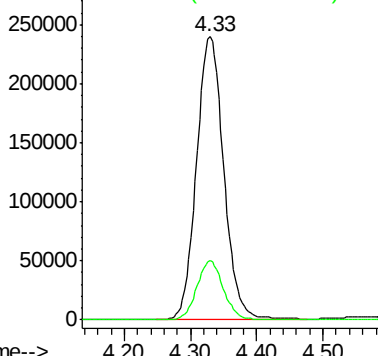
Ion Ratio Lower Upper

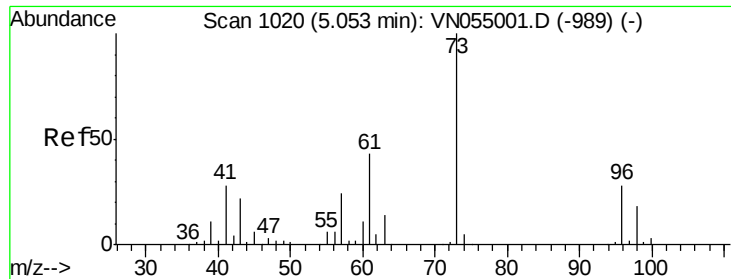
43 100

74 20.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





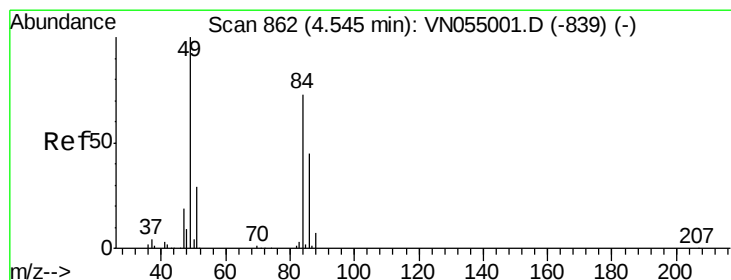
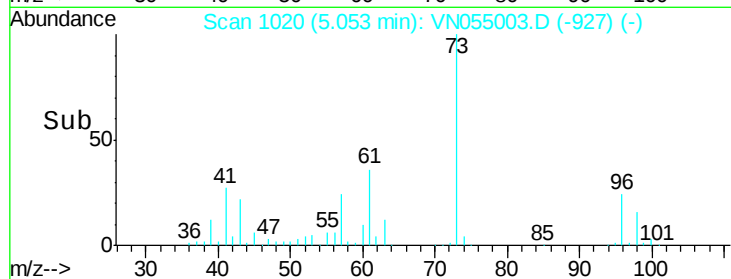
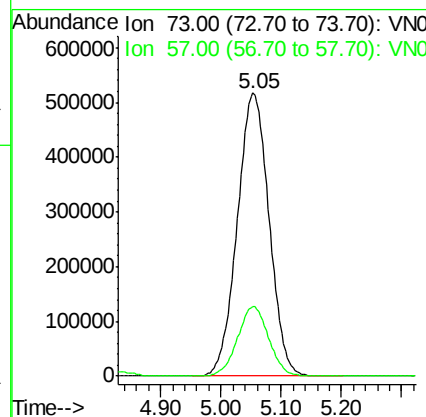
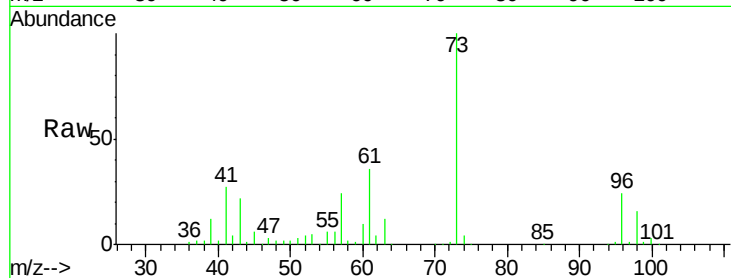
#19
Methvl tert-butvl Ether
Concen: 147.203 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1906270
Ion Ratio Lower Upper
73 100
57 24.4 19.0 28.4

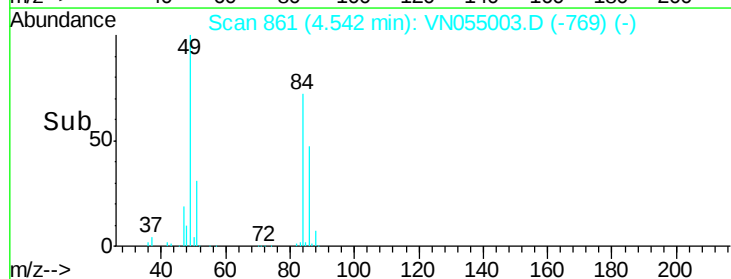
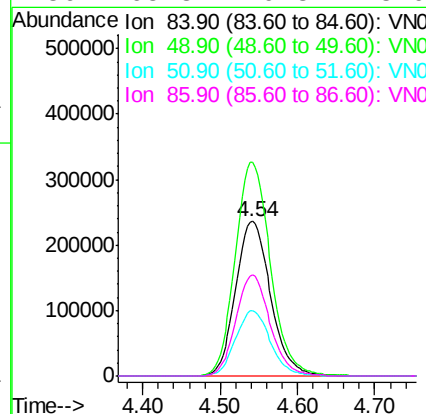
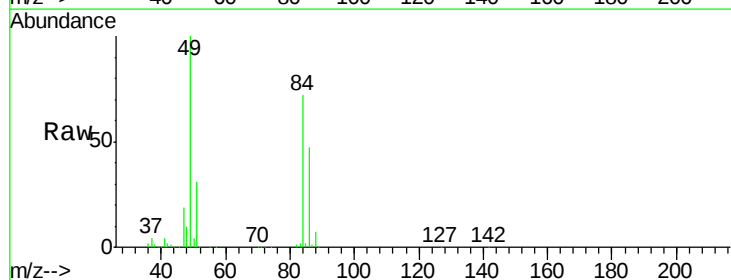
Manual Integrations
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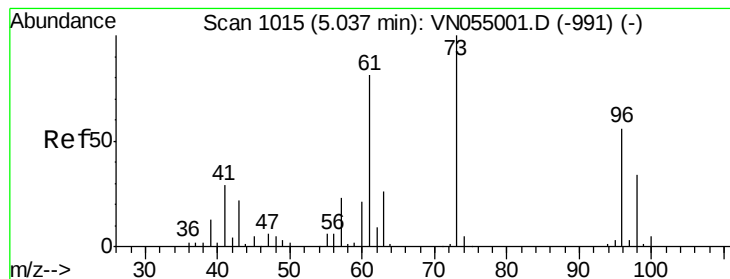
MMDadoda
4/16/2019 1:58:19 PM



#20
Methylene Chloride
Concen: 133.955 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 84 Resp: 743009
Ion Ratio Lower Upper
84 100
49 137.9 109.4 164.2
51 42.2 32.2 48.4
86 65.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 136.292 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 673189

Ion Ratio Lower Upper

96 100

61 153.3 114.9 172.3

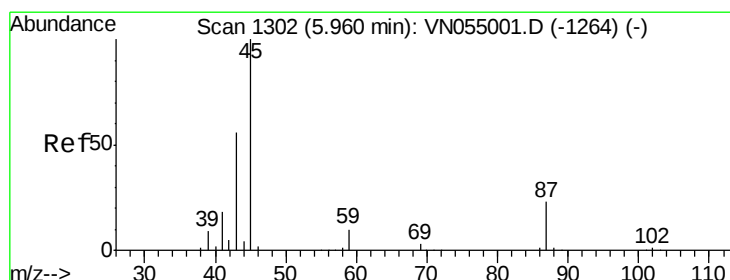
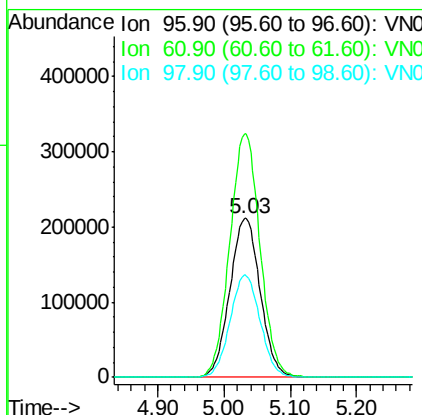
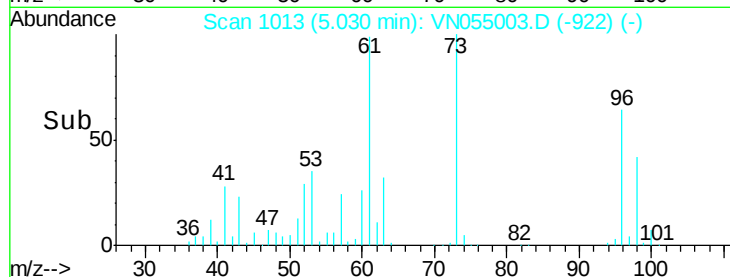
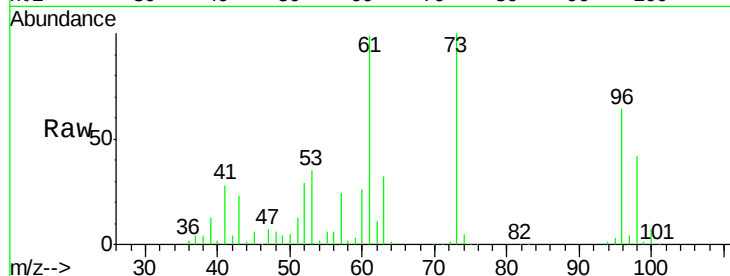
98 64.8 48.4 72.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 144.650 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion: 45 Resp: 2620103

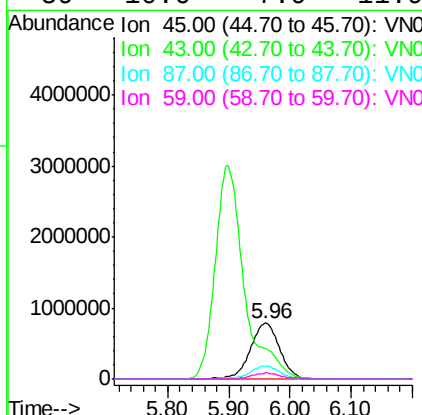
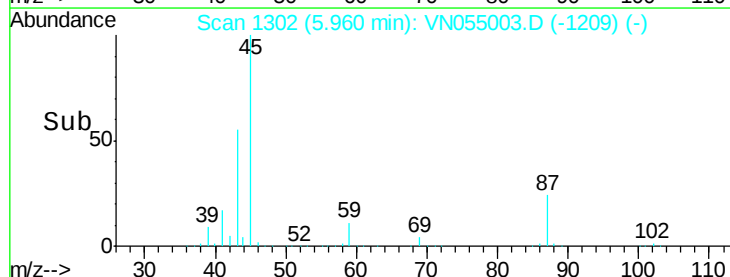
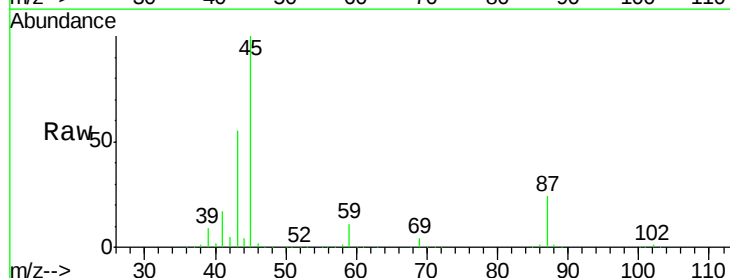
Ion Ratio Lower Upper

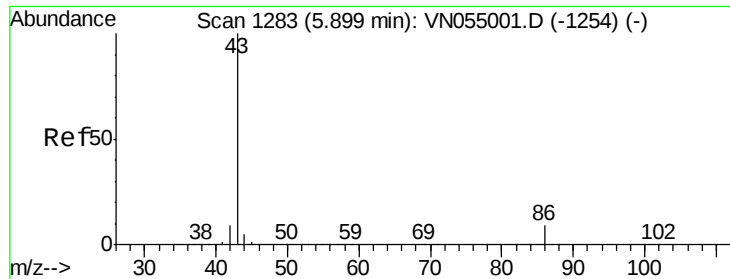
45 100

43 54.7 44.8 67.2

87 23.6 18.9 28.3

59 10.6 7.9 11.9





#23

Vinyl Acetate

Concen: 788.199 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 9946182

Ion Ratio Lower Upper

43 100

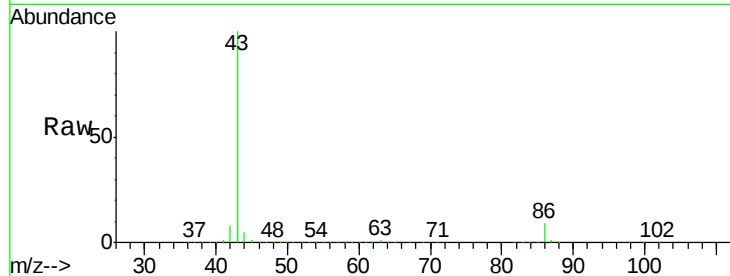
86 8.7 7.0 10.4

Manual Integrations

APPROVED

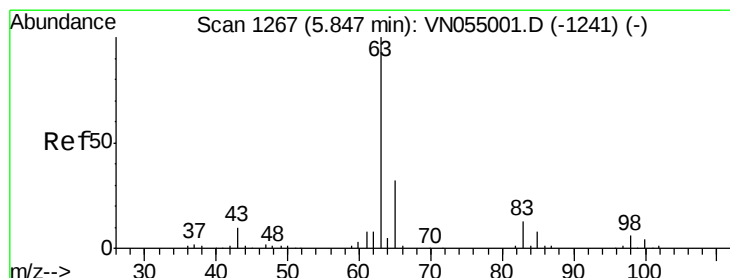
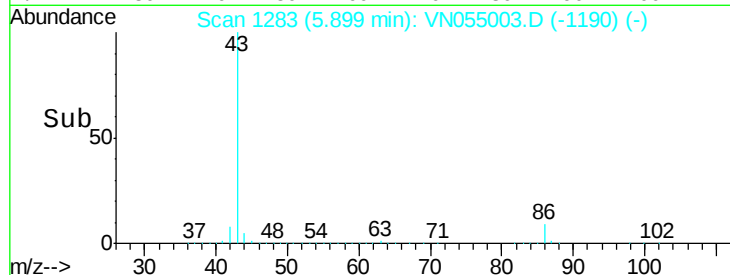
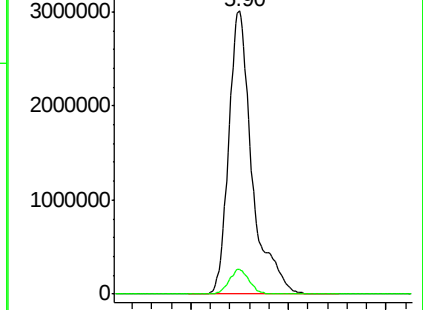
MMDadoda

4/16/2019 1:58:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 137.617 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

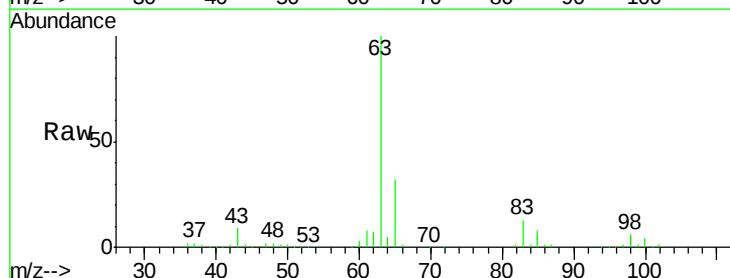
Tgt Ion: 63 Resp: 1355016

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

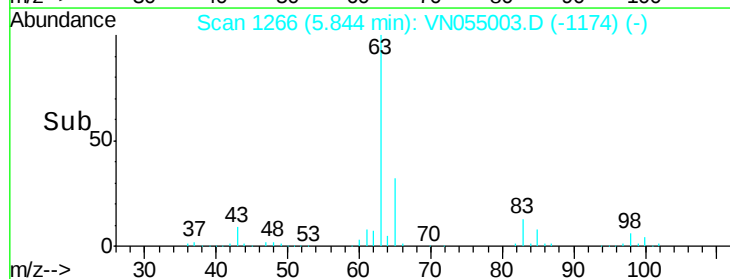
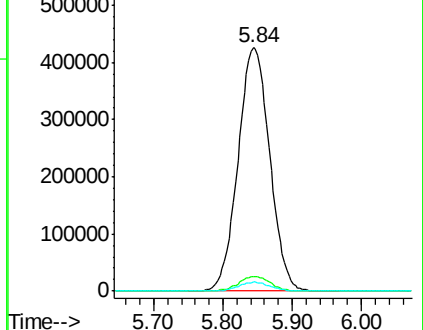
100 3.7 2.0 5.8

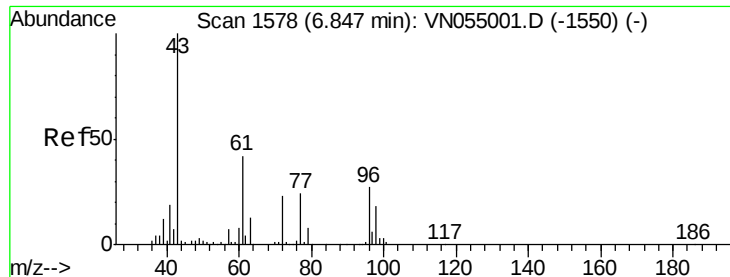


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





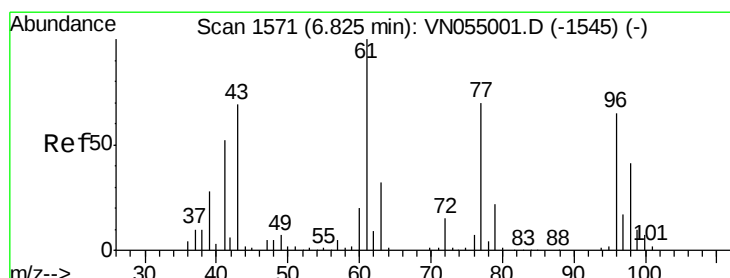
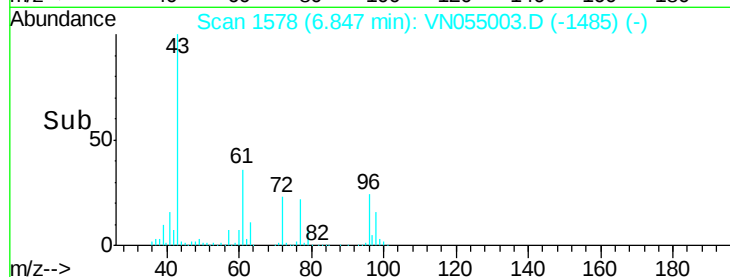
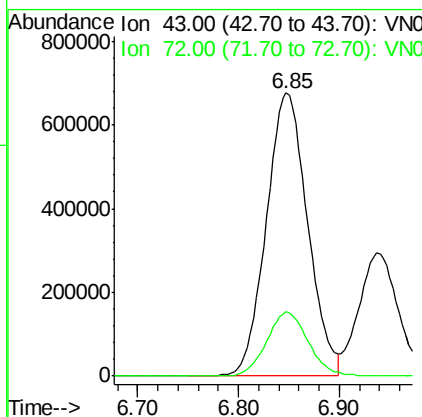
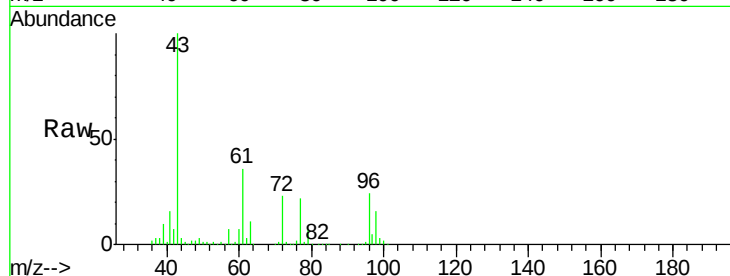
#25
2-Butanone
Concen: 845.754 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1918471
Ion Ratio Lower Upper
43 100
72 22.7 18.1 27.1

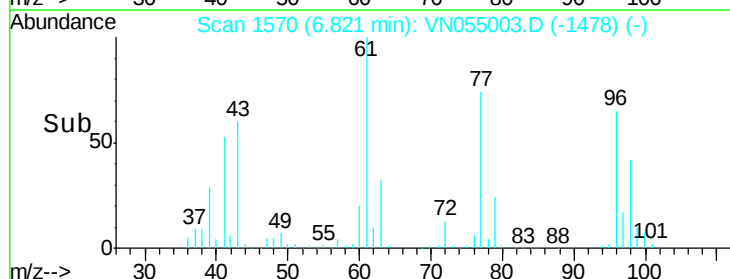
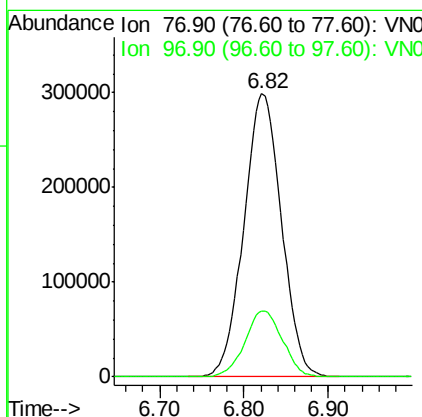
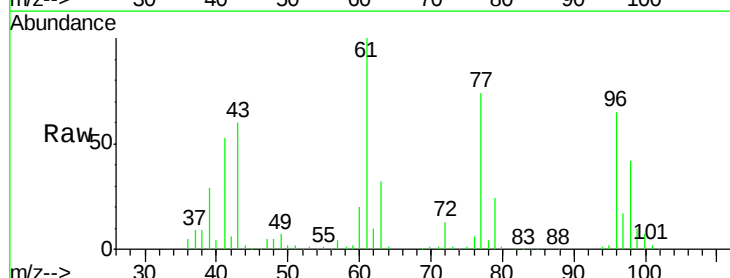
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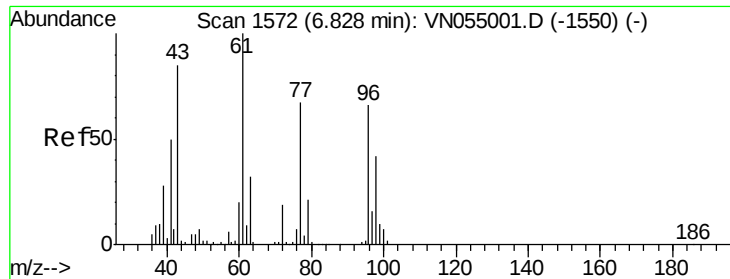
MMDadoda
4/16/2019 1:58:19 PM



#26
2,2-Dichloropropane
Concen: 135.094 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 77 Resp: 926431
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 140.413 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

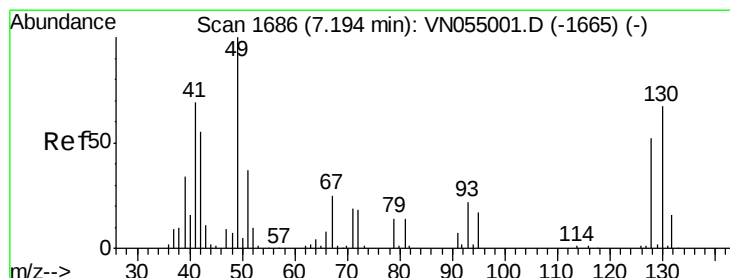
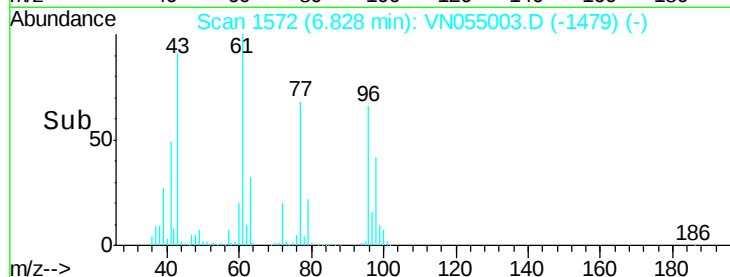
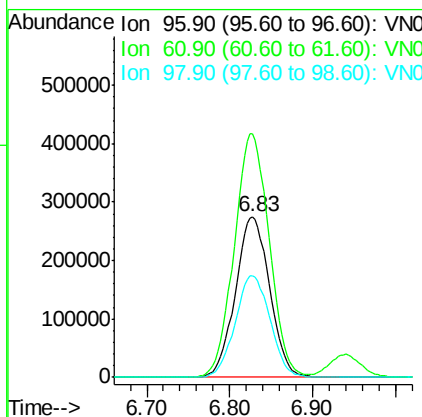
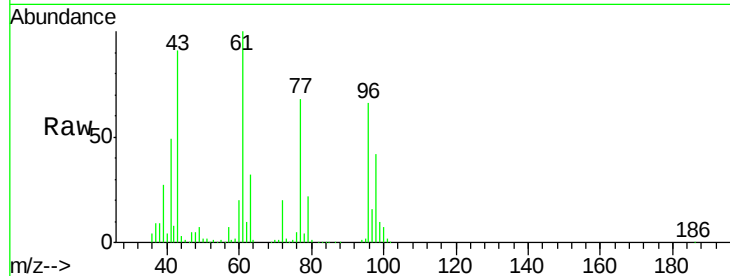
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	789824
Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	311.0
98	64.4	0.0	127.4

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4/16/2019 1:58:19 PM



#28

Bromochloromethane

Concen: 115.856 ug/l

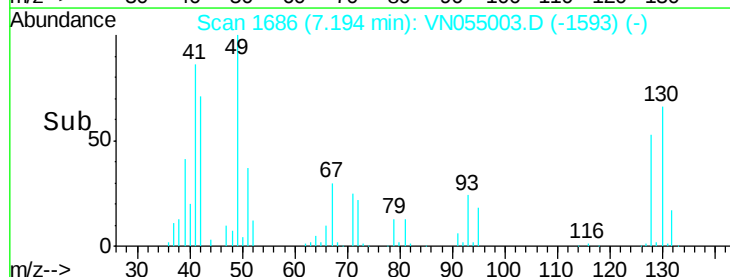
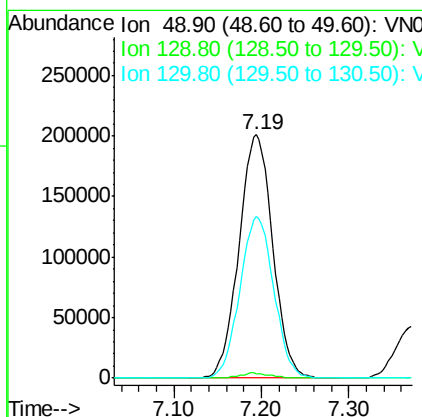
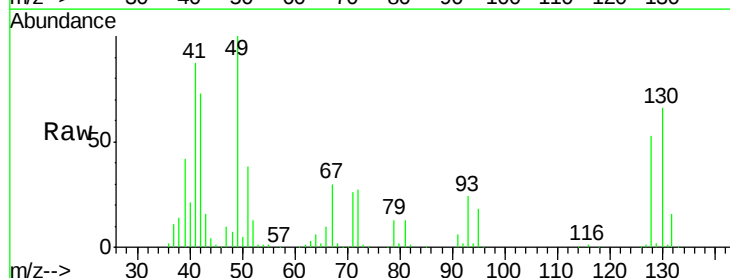
RT: 7.19 min Scan# 1686

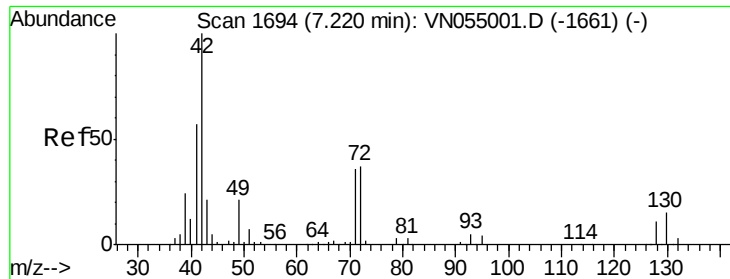
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:	49	Resp:	538657
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.0
130	66.4	53.4	80.2





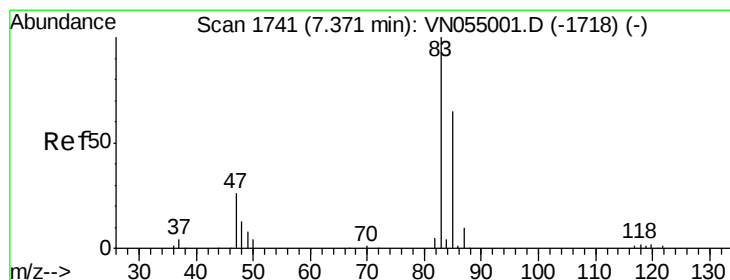
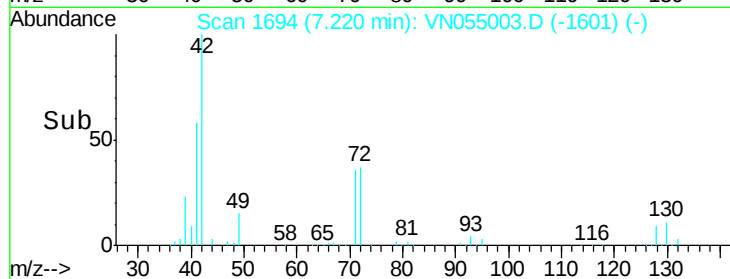
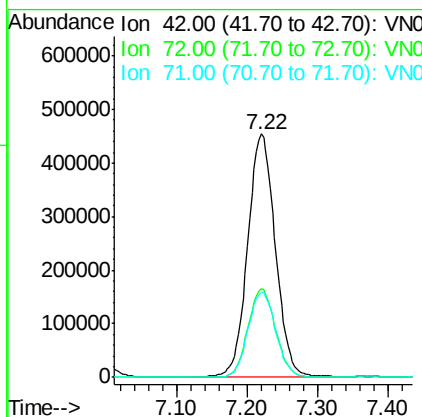
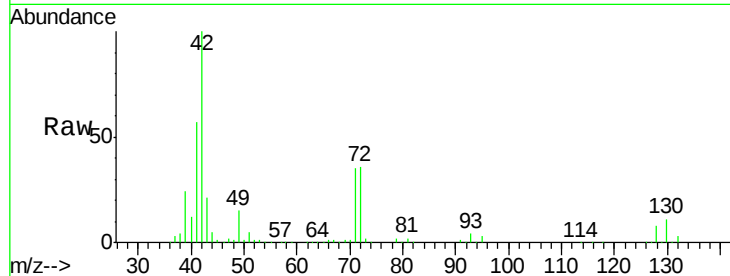
#29
Tetrahydrofuran
Concen: 826.836 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	35.2	27.8	41.6

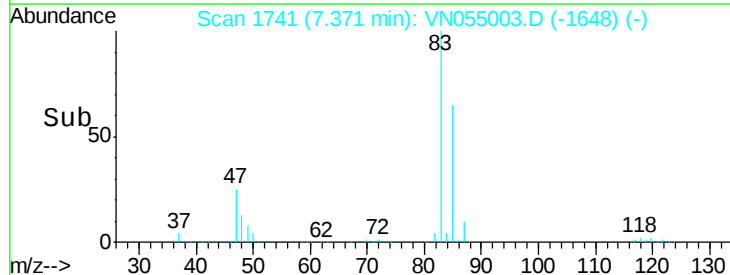
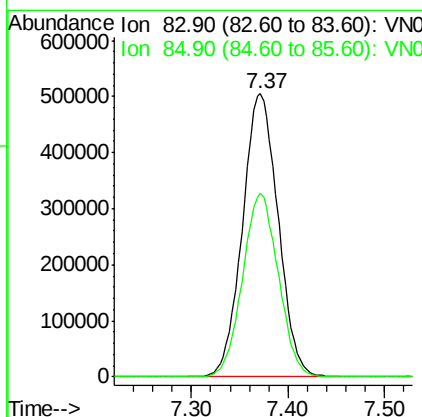
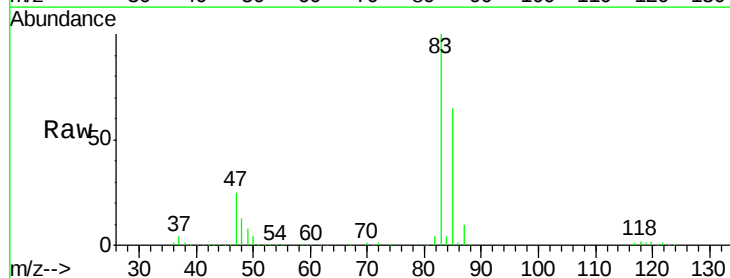
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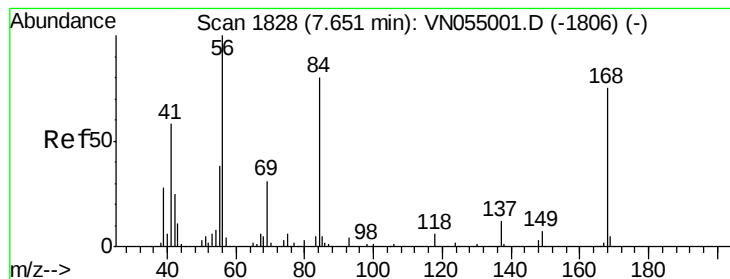
MMDadoda
4/16/2019 1:58:19 PM



#30
Chloroform
Concen: 138.282 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 113.575 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1276275

Ion Ratio Lower Upper

56 100

69 29.3 24.5 36.7

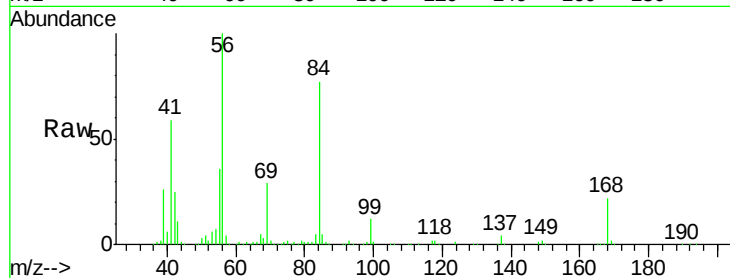
84 75.9 62.9 94.3

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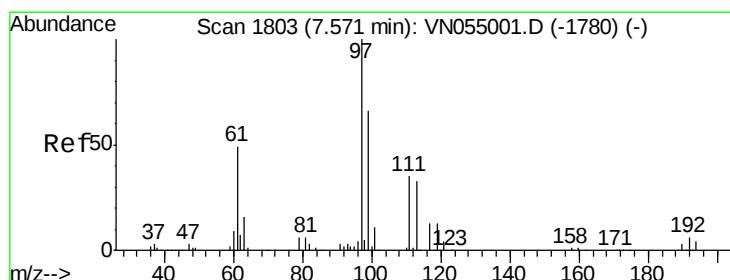
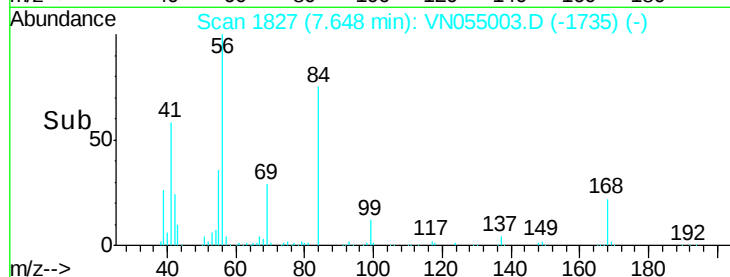
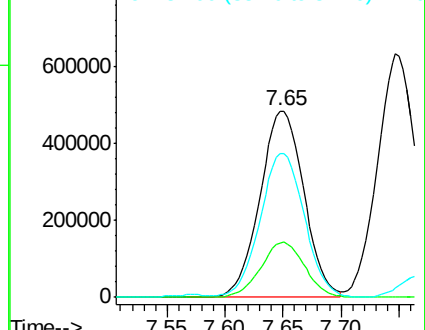
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 137.406 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

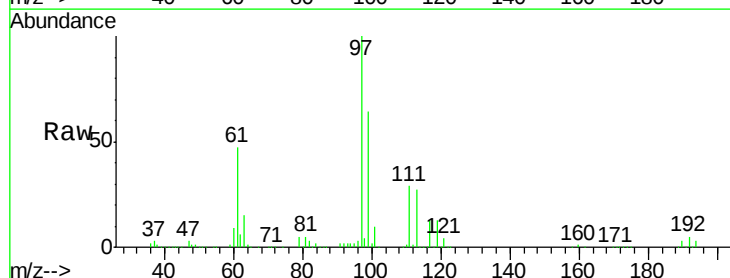
Tgt Ion: 97 Resp: 1078925

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

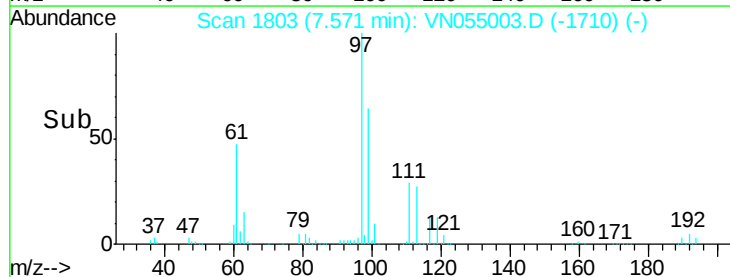
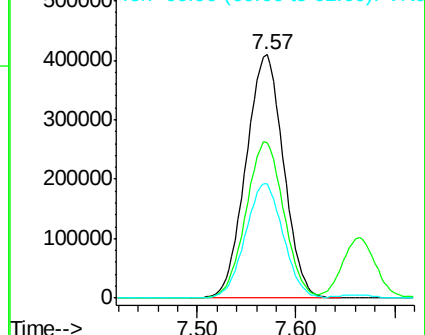
61 47.1 38.3 57.5

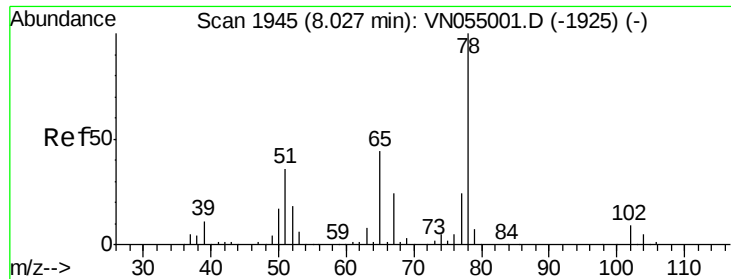


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 116.531 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 696221

Ion Ratio Lower Upper

65 100

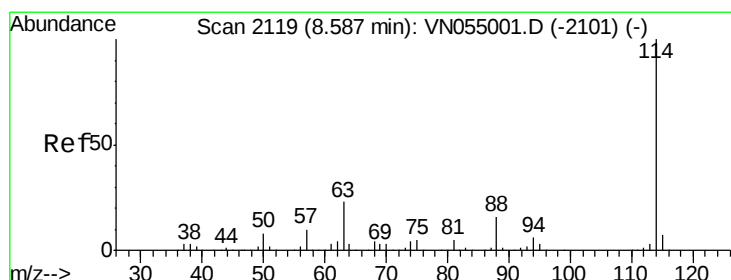
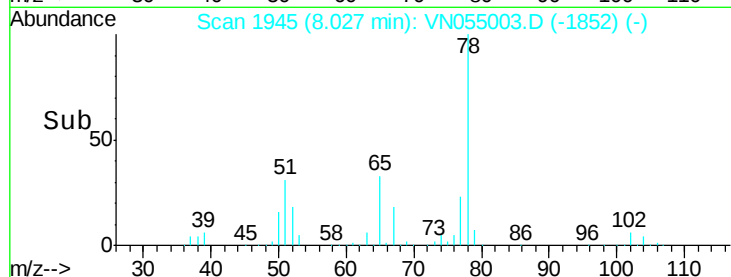
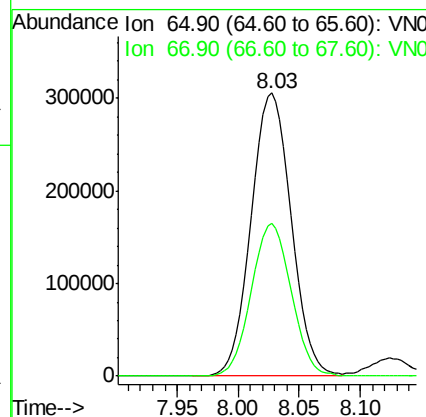
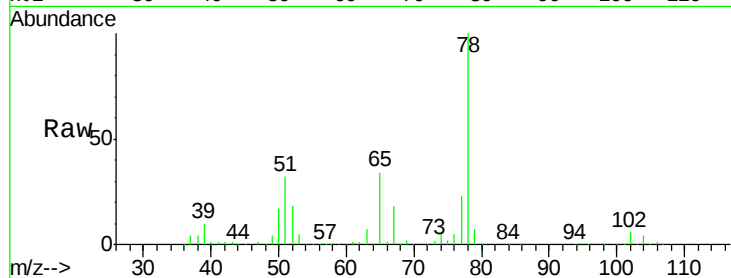
67 53.8 0.0 106.4

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4/16/2019 1:58:19 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

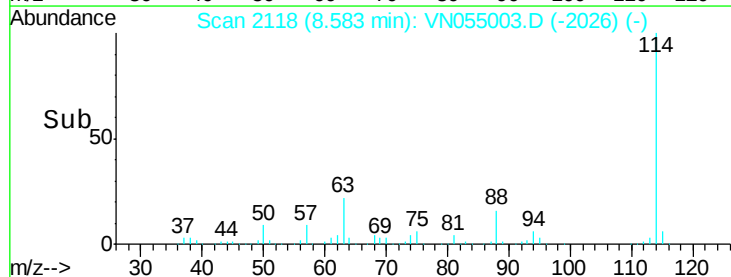
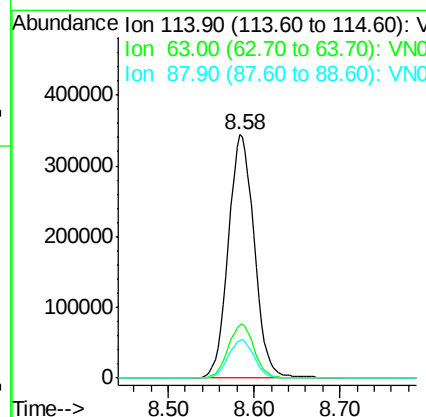
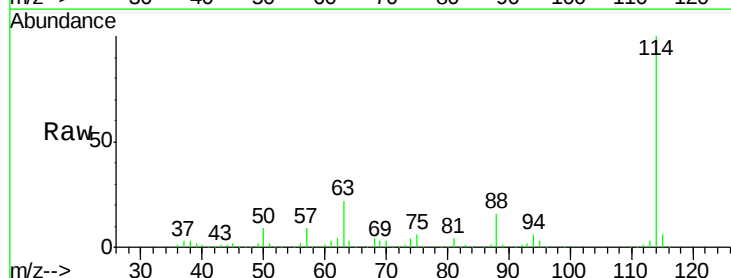
Tgt Ion: 114 Resp: 722489

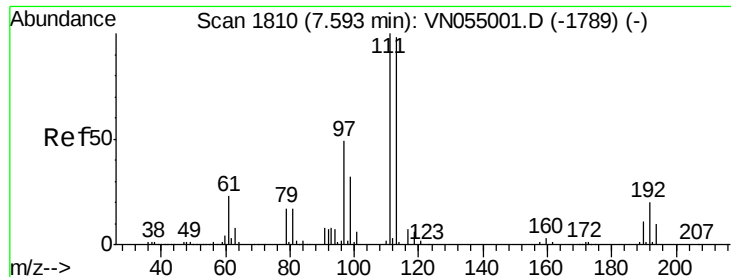
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

88 15.6 0.0 31.8





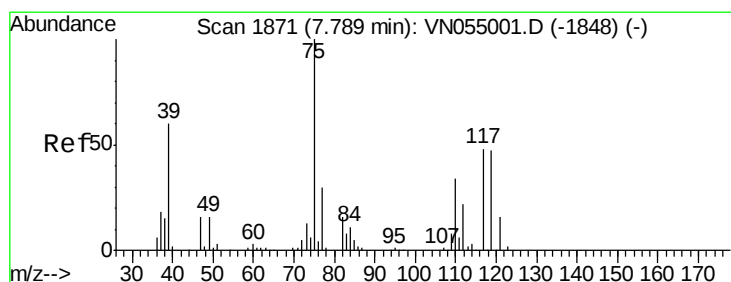
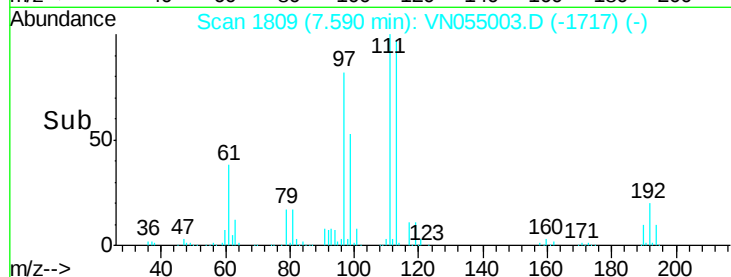
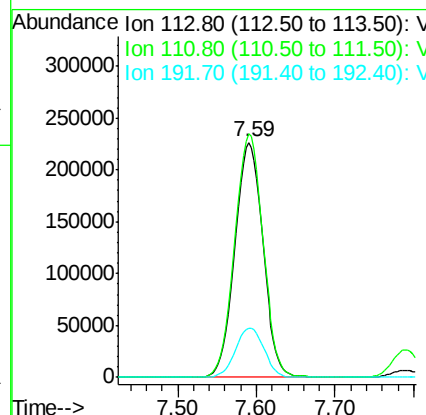
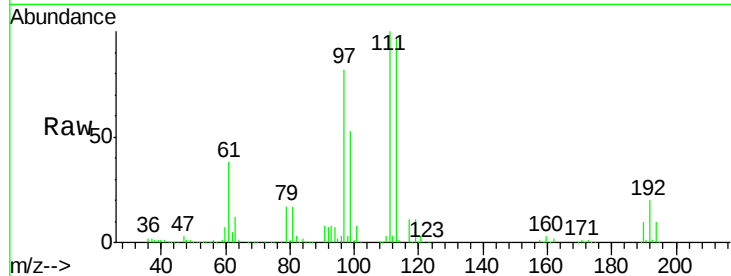
#35
 Dibromofluoromethane
 Concen: 120.018 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	564351		
111	104.2	82.1	123.1	
192	21.4	16.5	24.7	

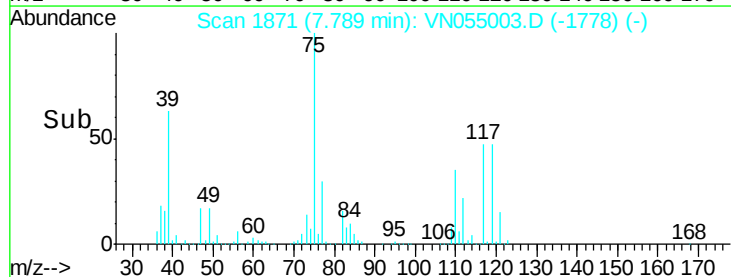
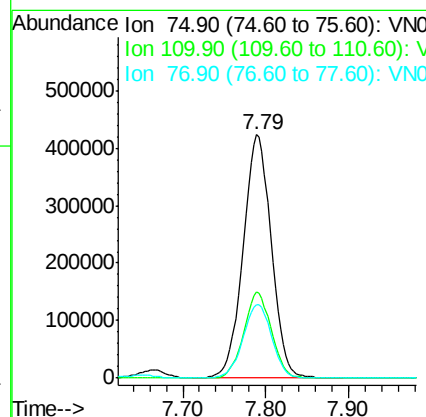
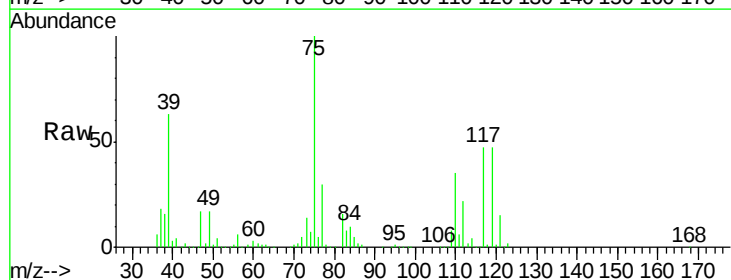
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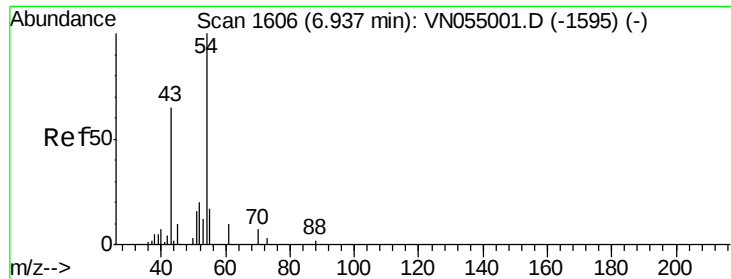
MMDadoda
 4/16/2019 1:58:19 PM



#36
 1,1-Dichloropropene
 Concen: 141.263 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	996870		
110	34.7	17.5	52.5	
77	31.0	24.9	37.3	





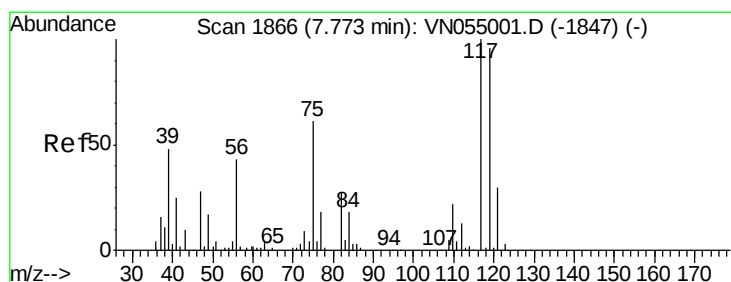
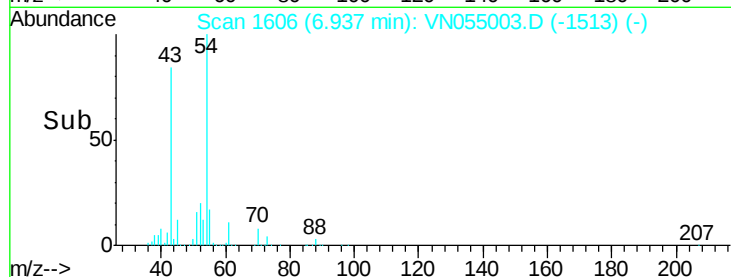
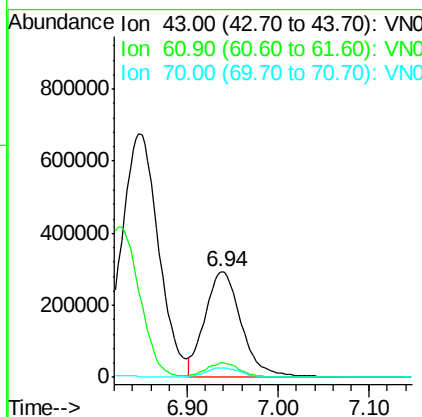
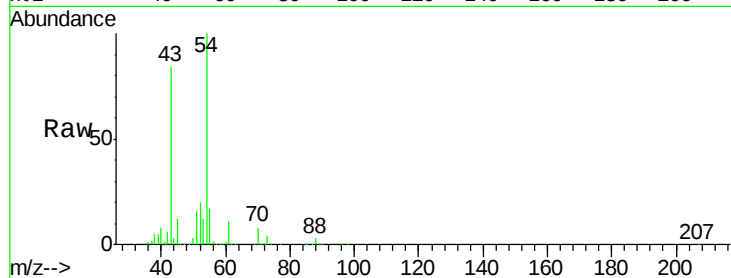
#37
Ethyl Acetate
Concen: 162.605 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	8.9	7.1	10.7

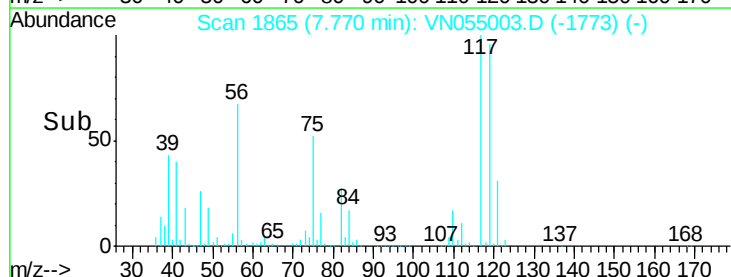
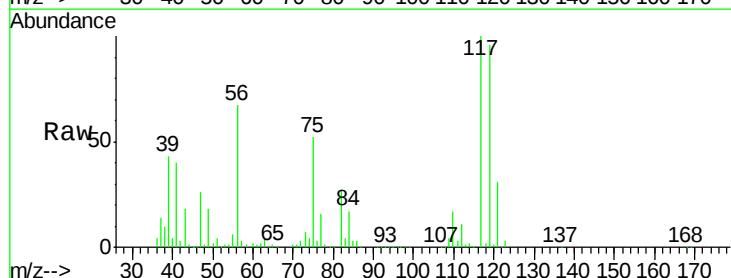
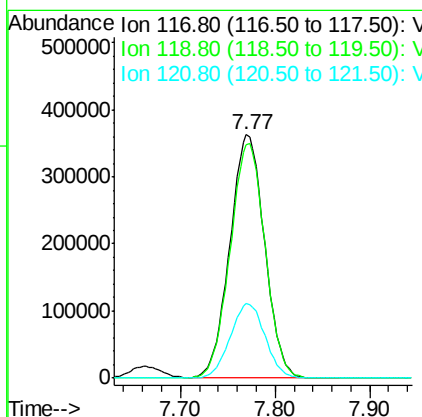
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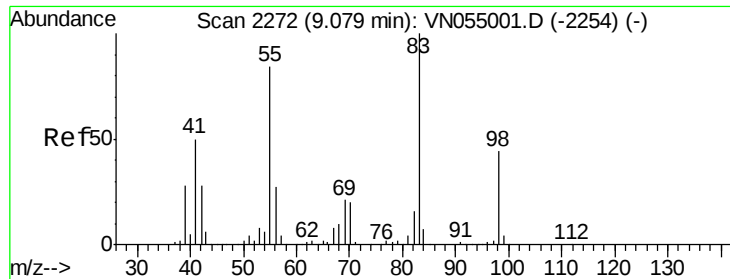
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#38
Carbon Tetrachloride
Concen: 136.101 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
121	30.6	23.9	35.9





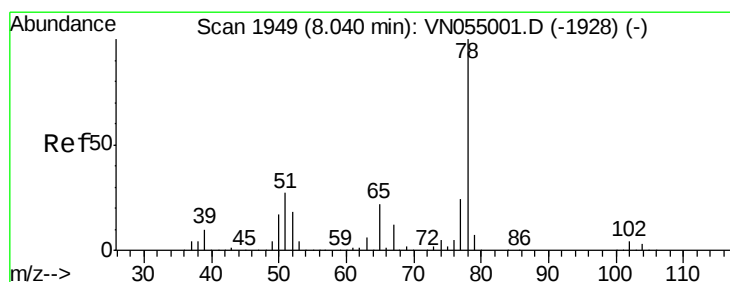
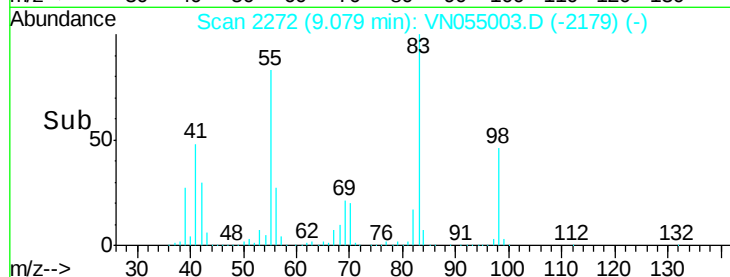
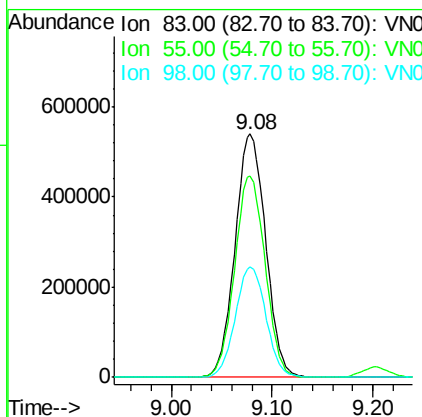
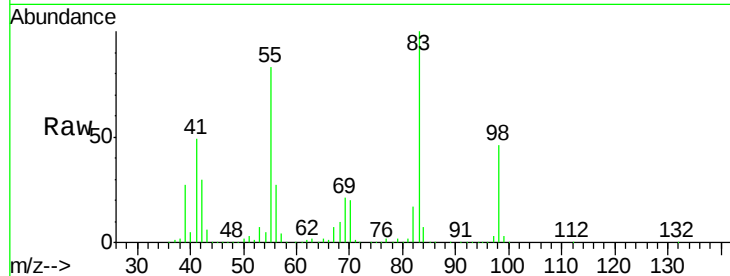
#39
Methvlcvclohexane
Concen: 146.091 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1135918
Ion Ratio Lower Upper
83 100
55 82.9 67.0 100.4
98 45.5 35.6 53.4

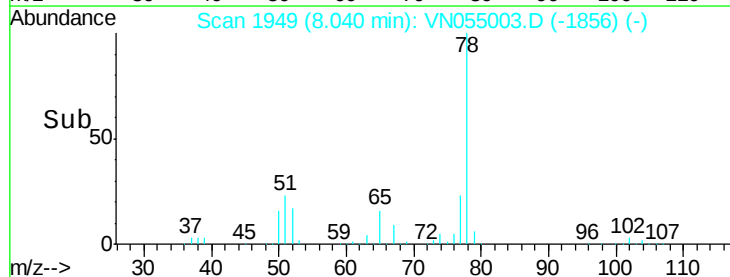
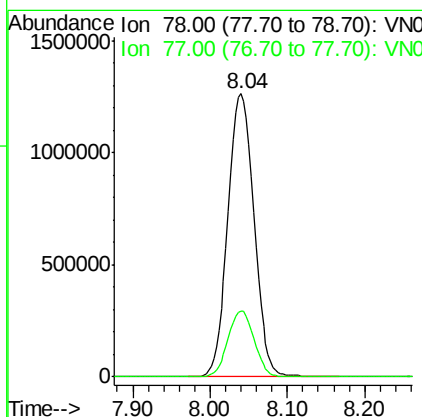
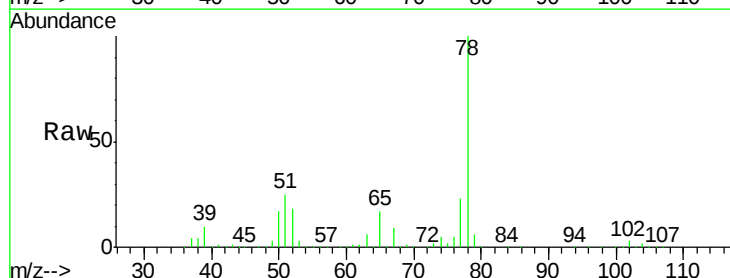
Manual Integrations
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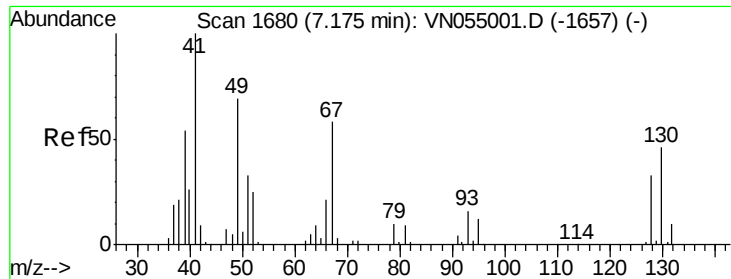
MMDadoda
4/16/2019 1:58:19 PM



#40
Benzene
Concen: 145.181 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 78 Resp: 2965124
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





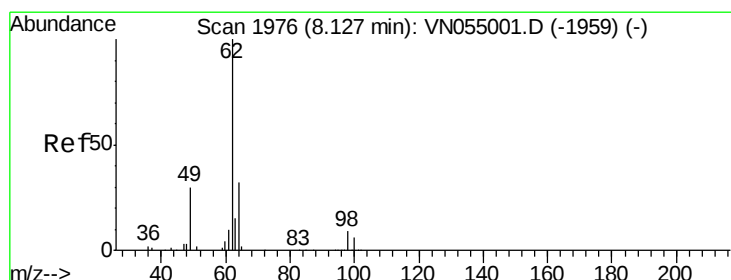
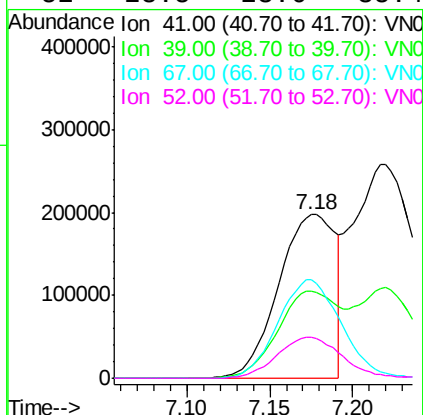
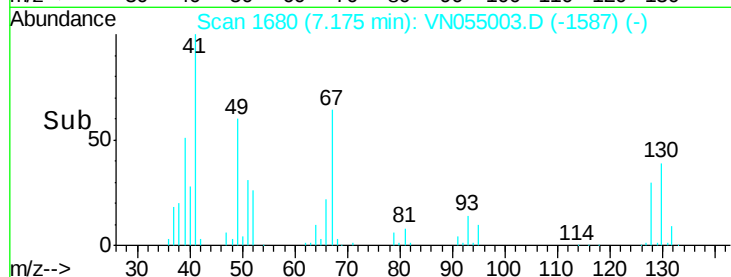
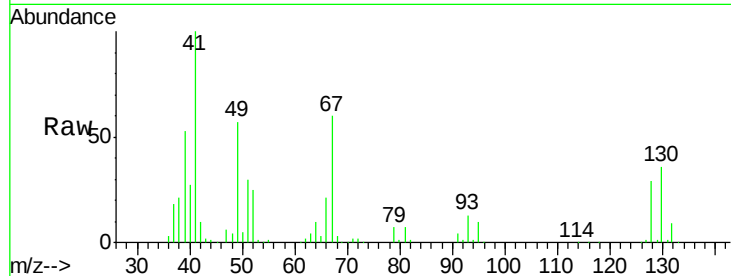
#41
Methacrylonitrile
Concen: 165.548 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	45.6	68.4	
67	67.9	57.0	85.6	
52	28.5	23.6	35.4	

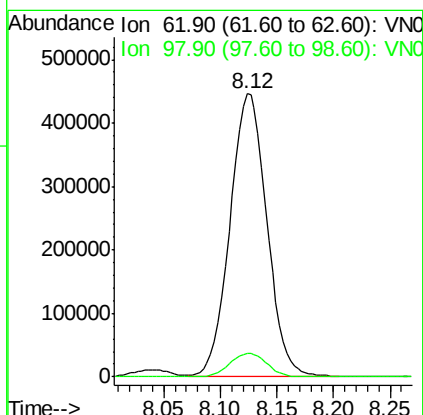
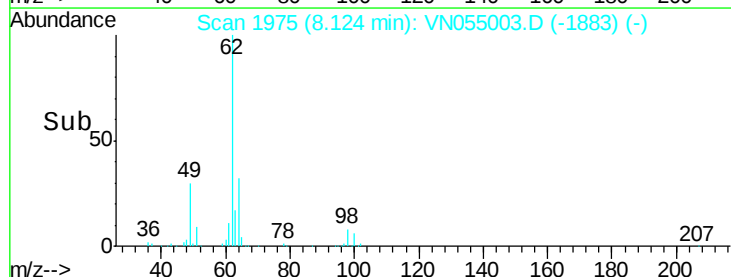
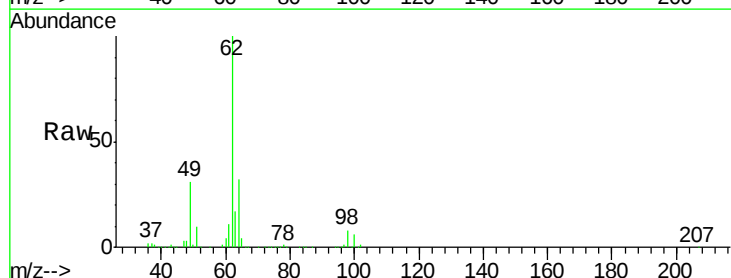
Manual Integrations
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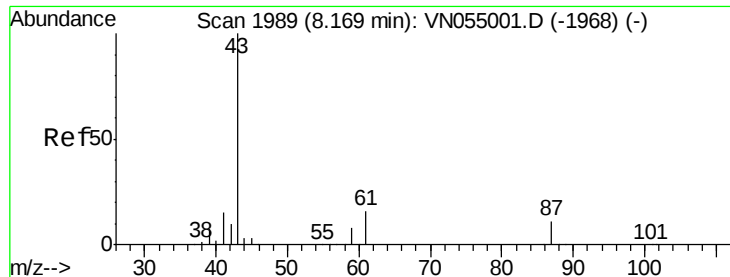
MMDadoda
4/16/2019 1:58:19 PM



#42
1,2-Dichloroethane
Concen: 140.097 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.4	





#43

Isopropyl Acetate

Concen: 169.458 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1414167

Ion Ratio Lower Upper

43 100

61 18.3 14.3 21.5

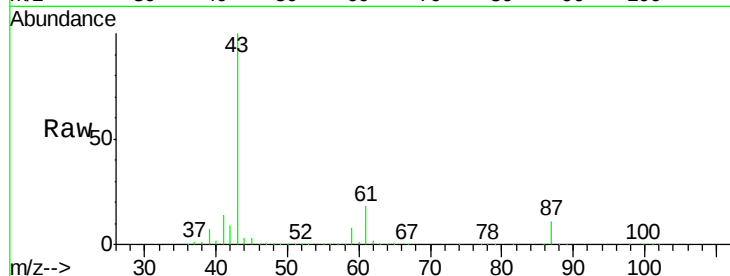
87 11.3 8.6 13.0

Manual Integrations

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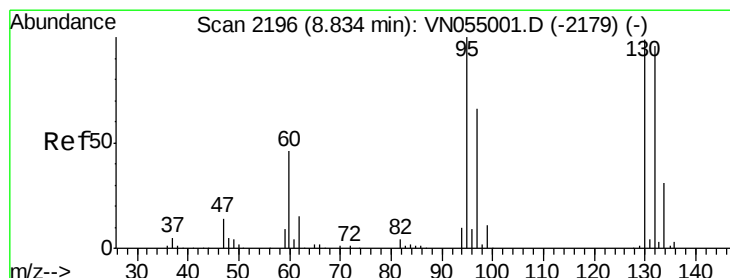
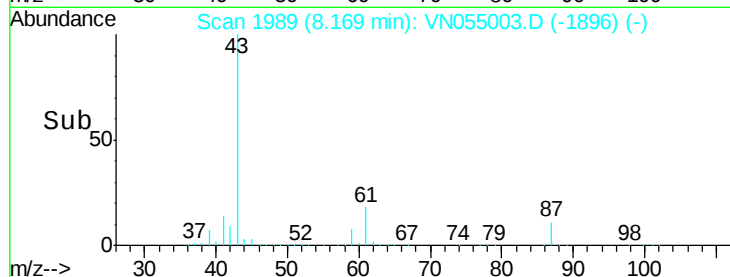


Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 144.790 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055003.D

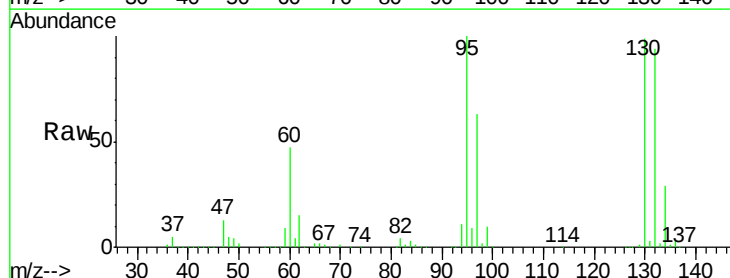
Acq: 12 Apr 2019 16:58

Tgt Ion:130 Resp: 756781

Ion Ratio Lower Upper

130 100

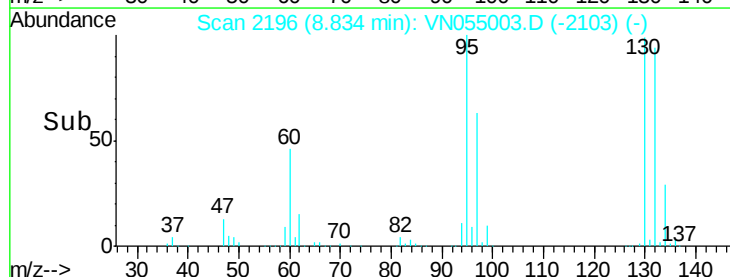
95 101.4 0.0 201.6

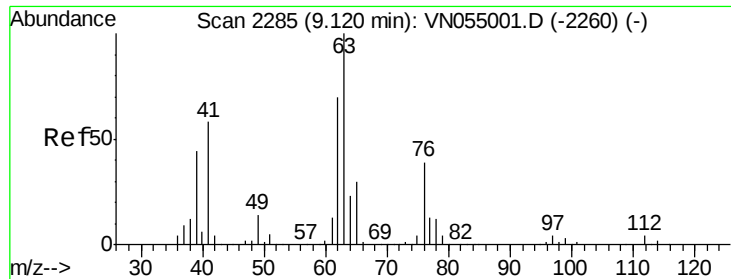


Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

Time-->





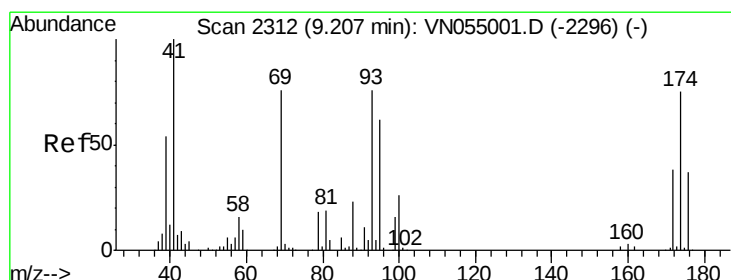
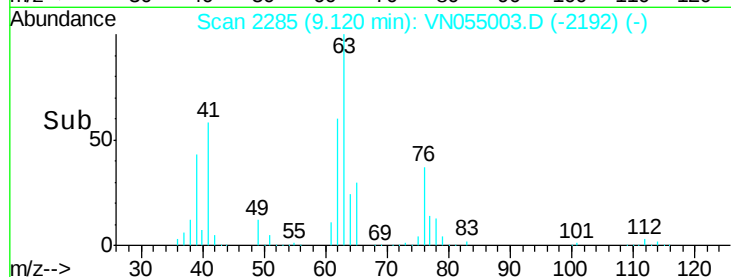
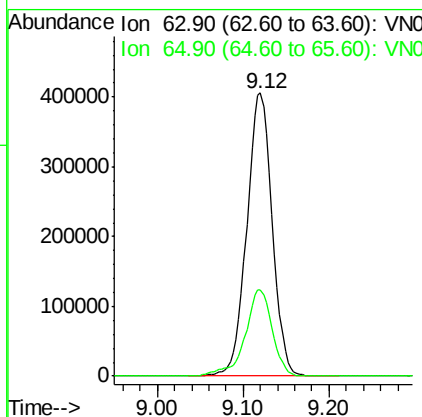
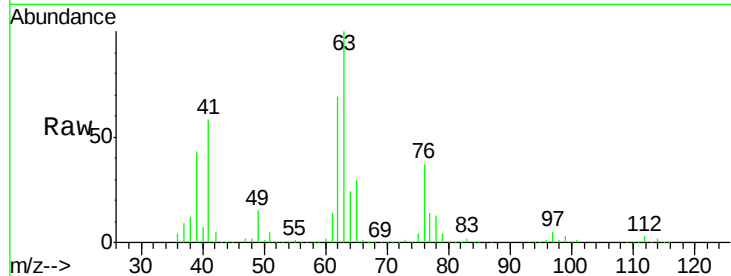
#45
 1,2-Dichloropropane
 Concen: 146.341 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 832935
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6

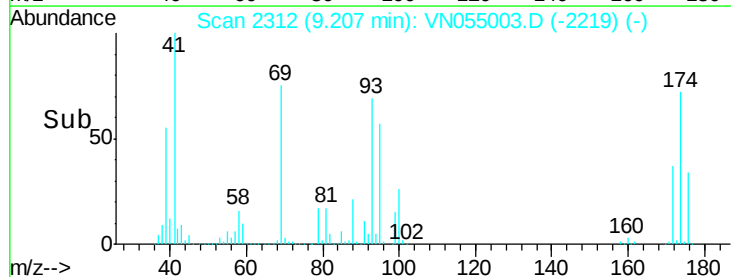
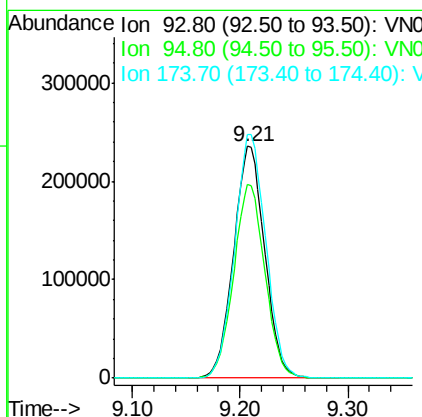
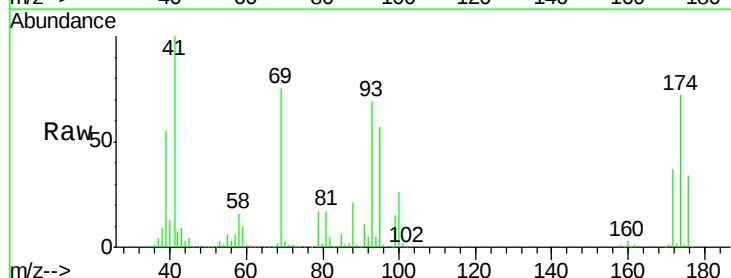
Manual Integrations
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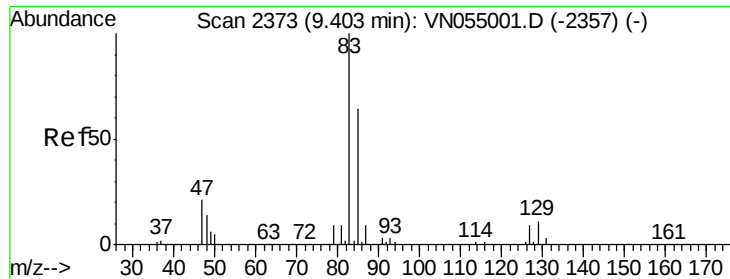
MMDadoda
 4/16/2019 1:58:19 PM



#46
 Dibromomethane
 Concen: 145.504 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 93 Resp: 473540
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.6
 174 105.3 81.0 121.6





#47

Bromodichloromethane

Concen: 151.381 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

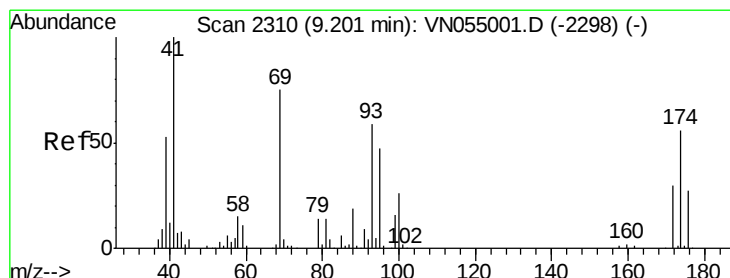
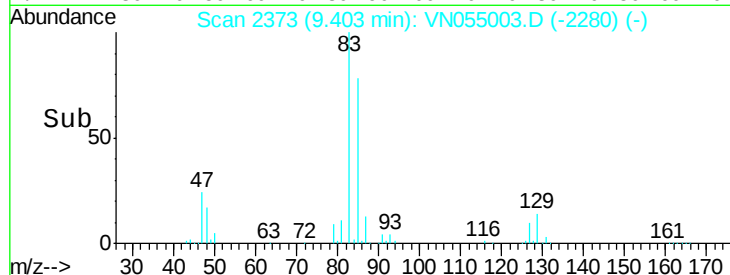
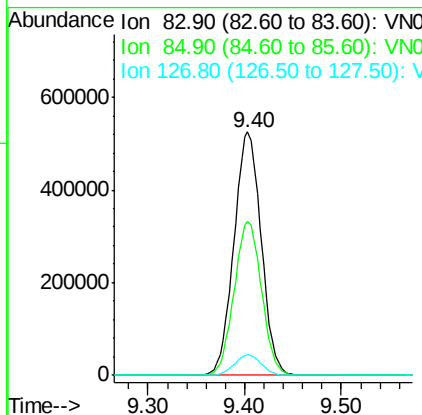
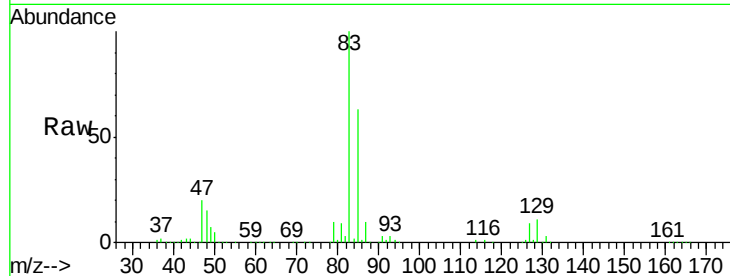
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	1026907
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	8.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 173.035 ug/l

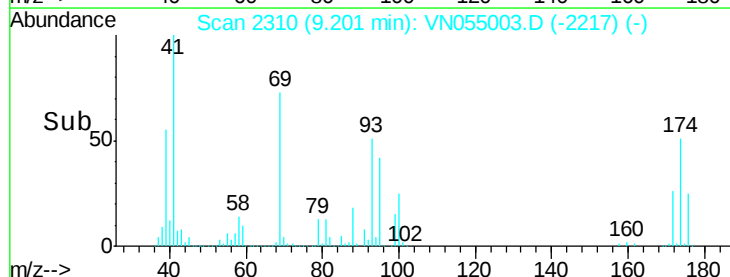
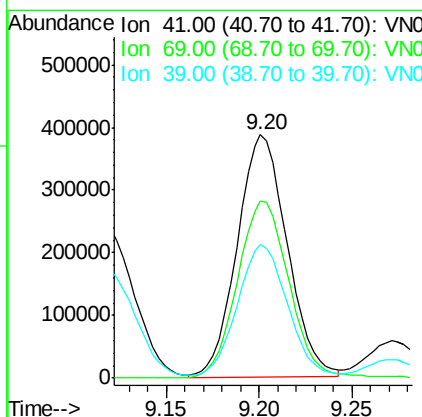
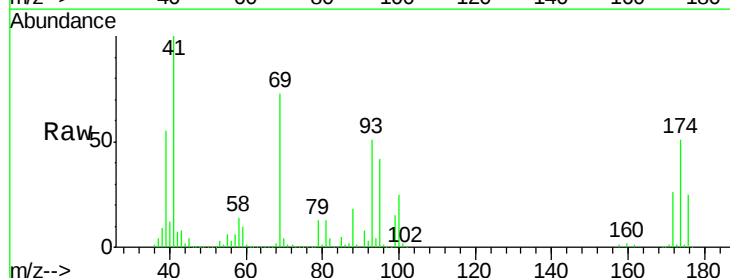
RT: 9.20 min Scan# 2310

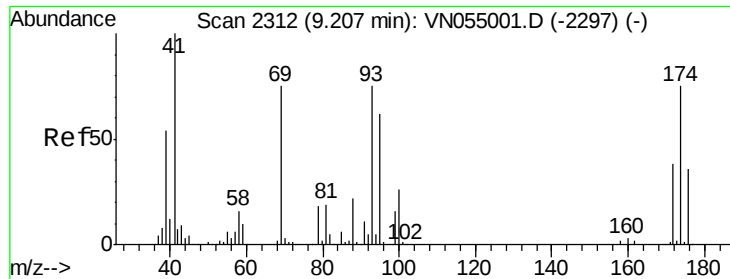
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:	41	Resp:	725996
Ion	Ratio	Lower	Upper
41	100		
69	75.9	60.5	90.7
39	55.3	43.9	65.9





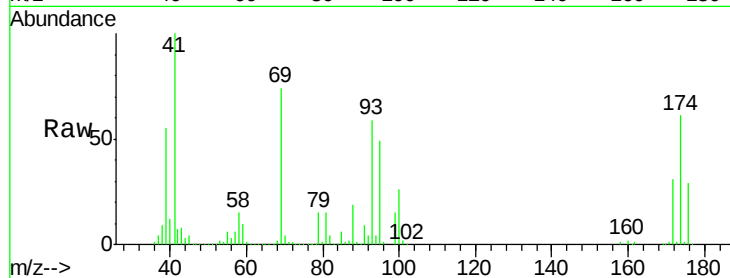
#49
1,4-Dioxane
Concen: 3578.770 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

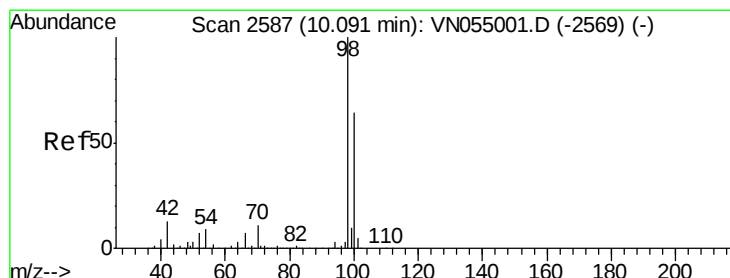
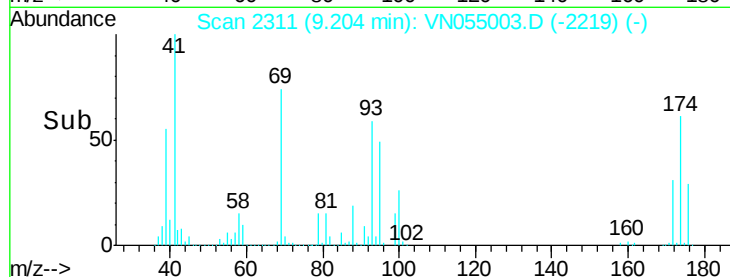
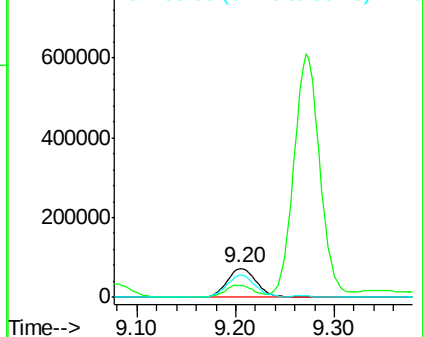
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	31.8	47.8
58	73.9	61.6	92.4

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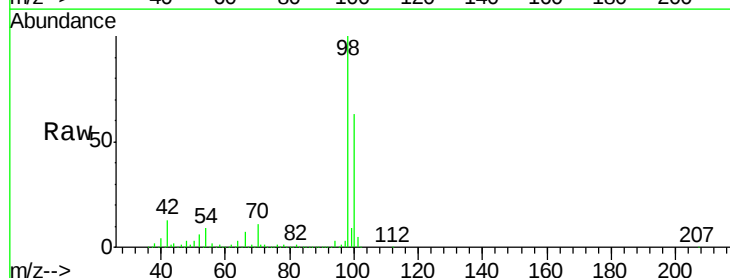


Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)

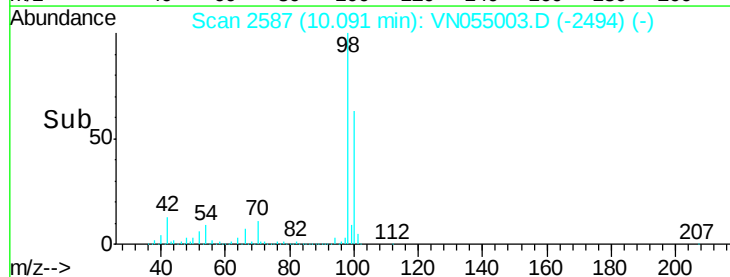
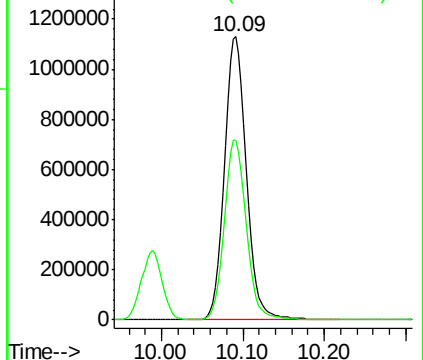


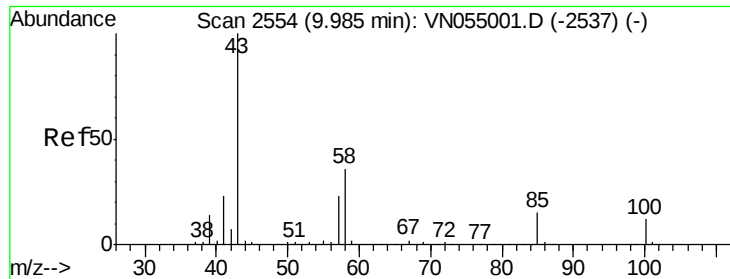
#50
Toluene-d8
Concen: 121.365 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)
Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 870.444 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4074733

Ion Ratio Lower Upper

43 100

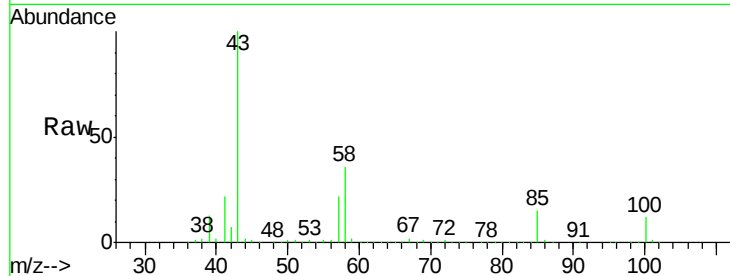
58 35.7 29.0 43.4

Manual Integrations

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4/16/2019 1:58:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)

2500000

2000000

1500000

1000000

500000

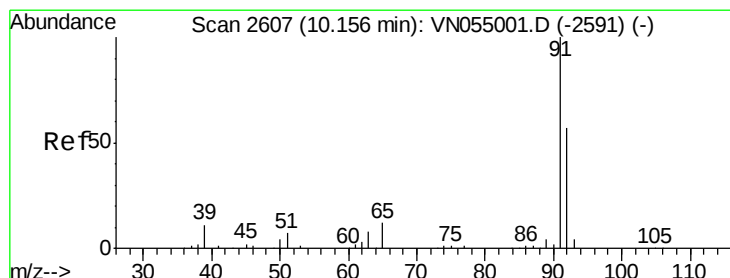
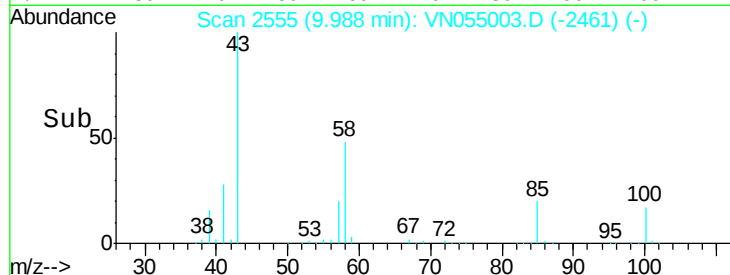
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 149.361 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055003.D

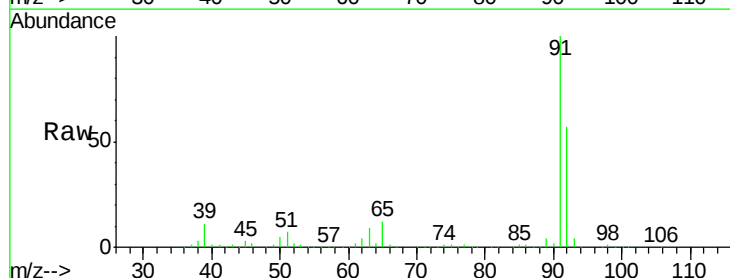
Acq: 12 Apr 2019 16:58

Tgt Ion: 92 Resp: 1794993

Ion Ratio Lower Upper

92 100

91 175.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)

2000000

1500000

1000000

500000

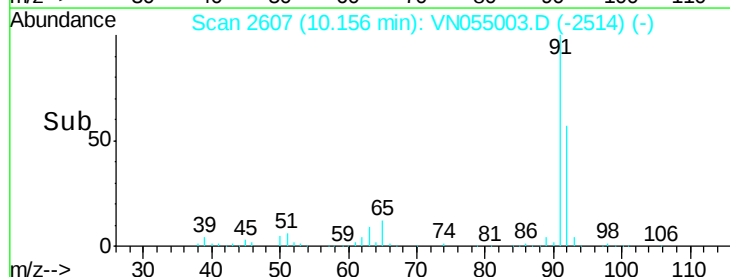
0

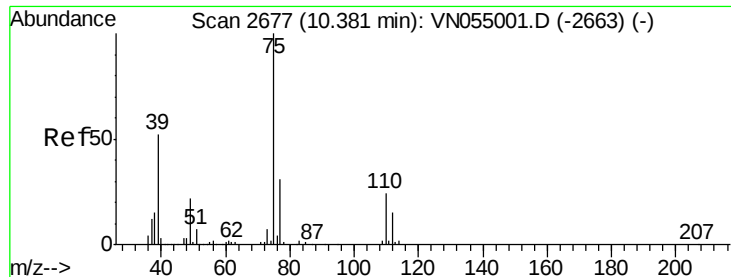
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 172.155 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1071621

Ion Ratio Lower Upper

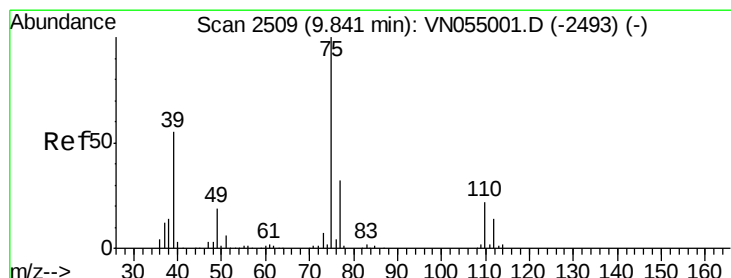
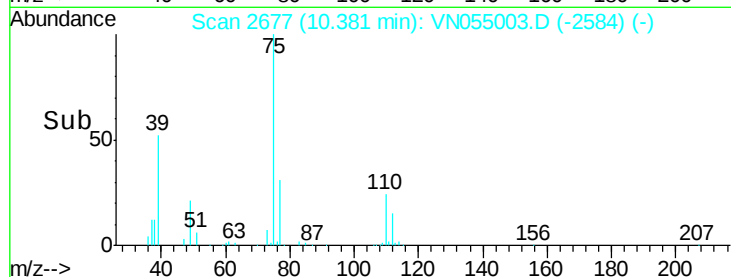
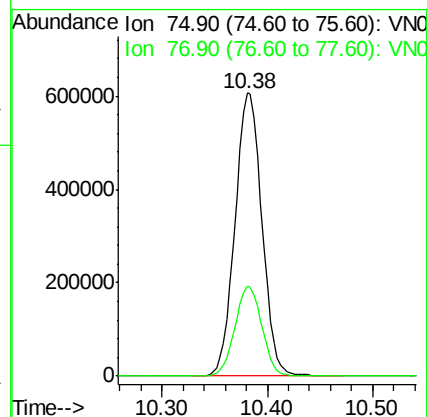
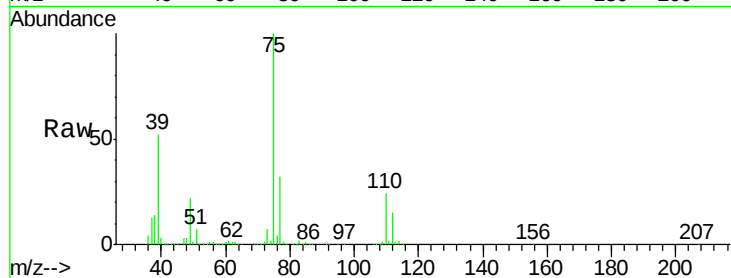
75 100

77 31.5 24.6 37.0

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4/16/2019 1:58:19 PM



#54

cis-1,3-Dichloropropene

Concen: 162.417 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

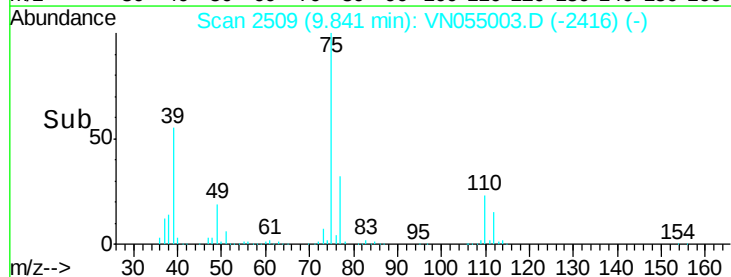
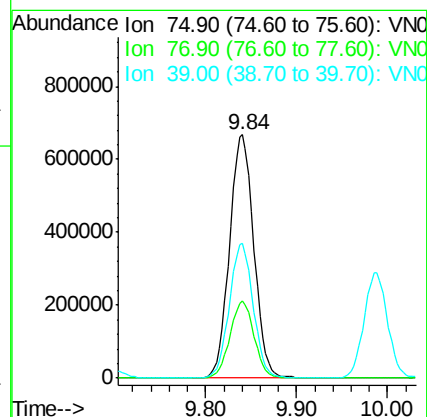
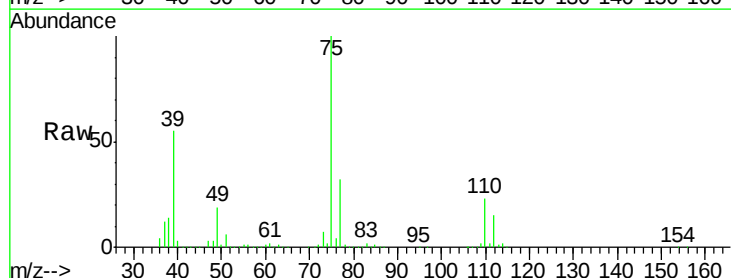
Tgt Ion: 75 Resp: 1237134

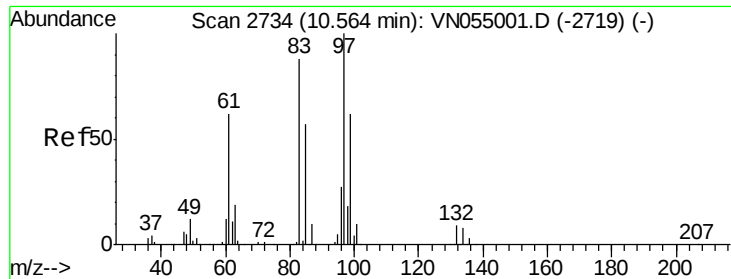
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 55.2 43.8 65.8





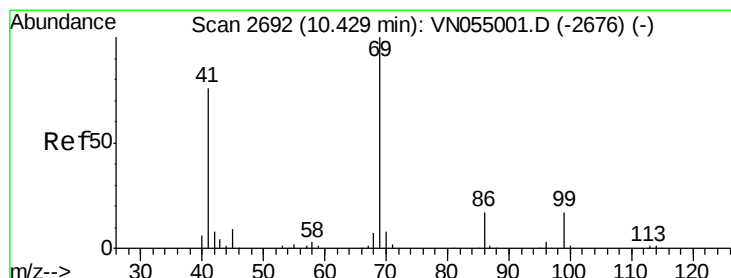
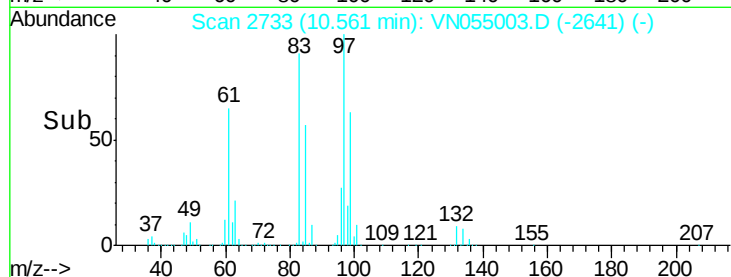
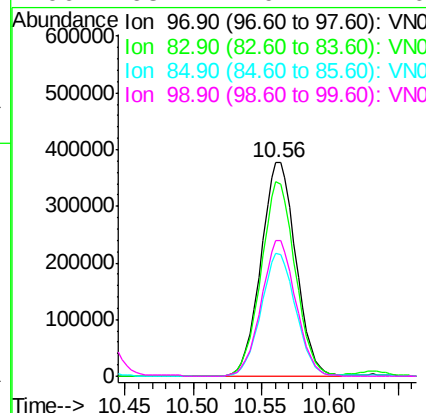
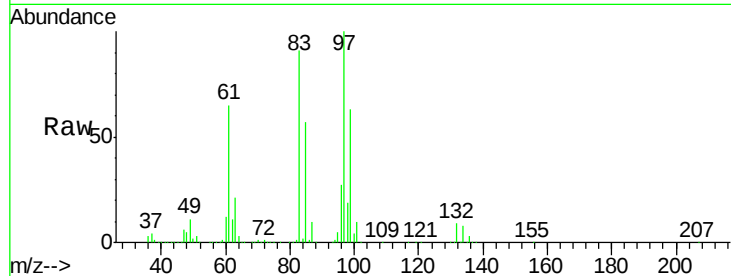
#55
 1,1,2-Trichloroethane
 Concen: 152.210 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Tot Ion:	97	Resp:	669645
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.5	105.7
85	57.4	45.5	68.3
99	63.1	49.4	74.0

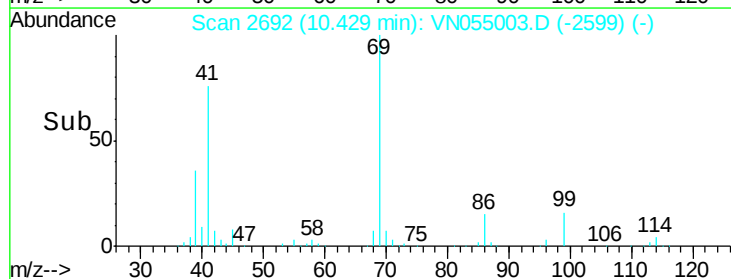
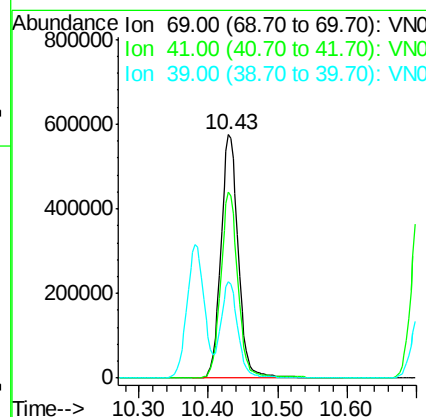
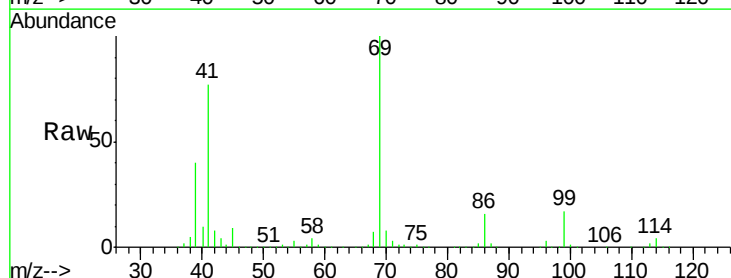
Manual Integrations
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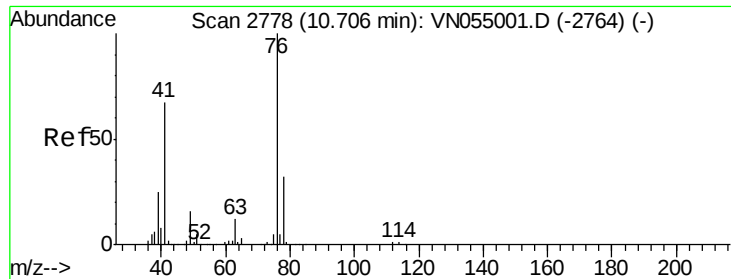
MMDadoda
 4/16/2019 1:58:19 PM



#56
 Ethyl methacrylate
 Concen: 173.406 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion:	69	Resp:	993553
Ion	Ratio	Lower	Upper
69	100		
41	74.5	61.4	92.0
39	38.8	30.8	46.2





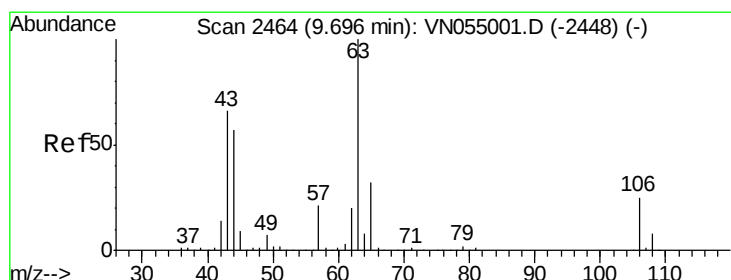
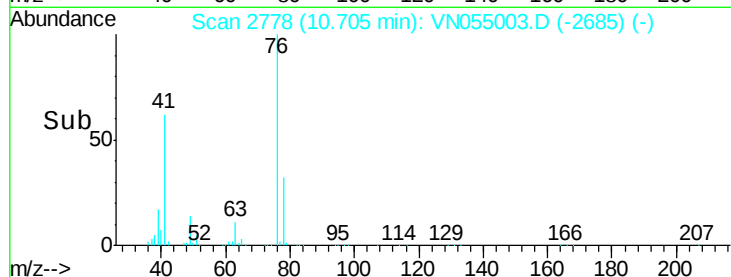
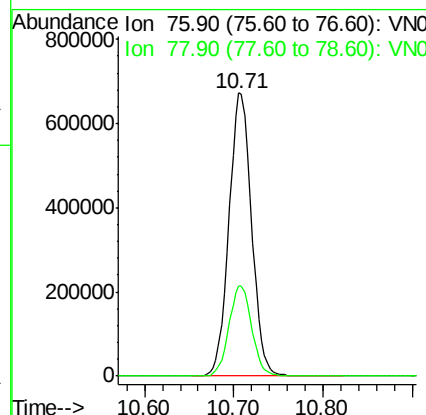
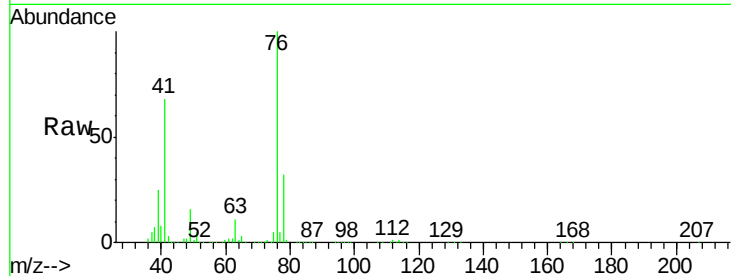
#57
 1,3-Dichloropropane
 Concen: 153.800 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1180872
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

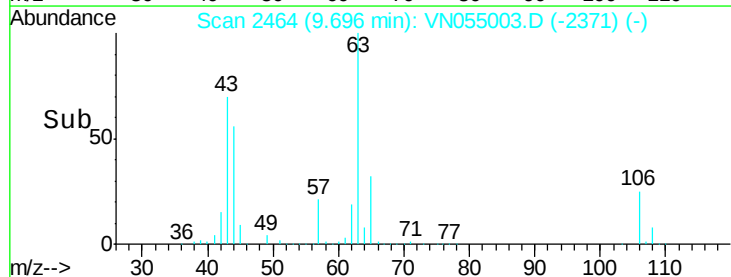
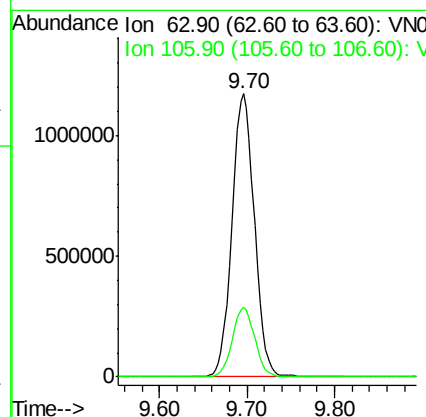
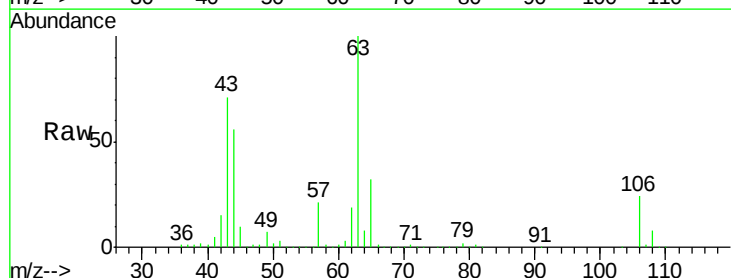
Manual Integrations
 APPROVED

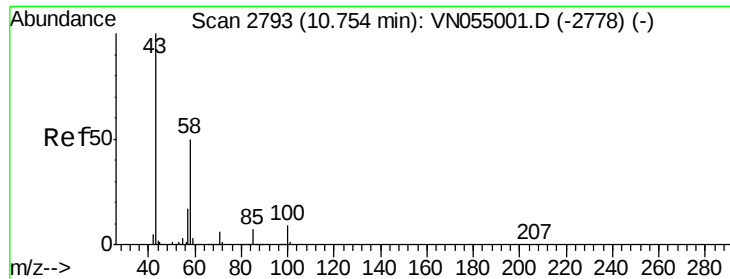
MMDadoda
 4/16/2019 1:58:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 926.548 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 63 Resp: 2086486
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.0 30.0





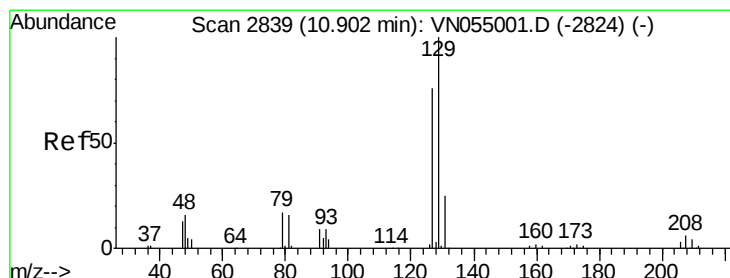
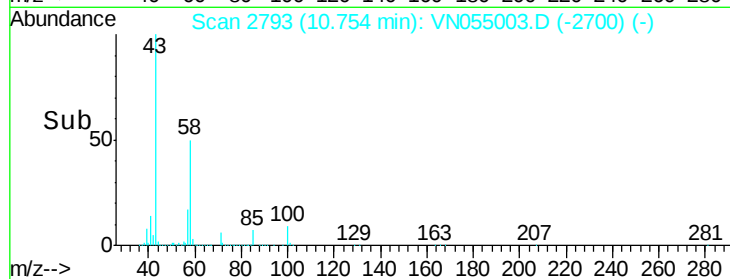
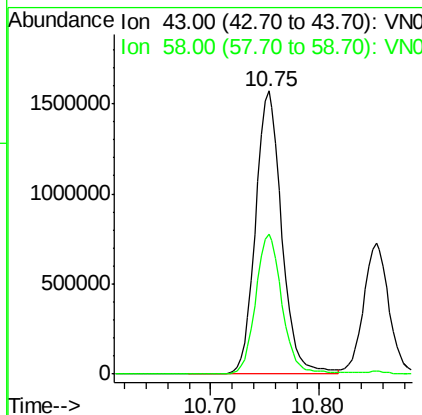
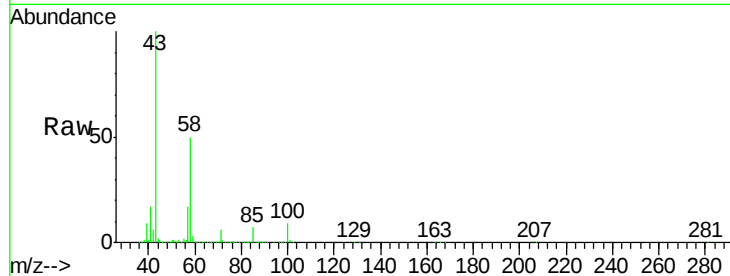
#59
2-Hexanone
Concen: 907.475 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2642082
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2

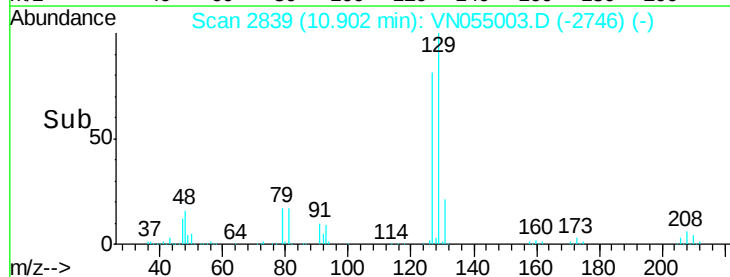
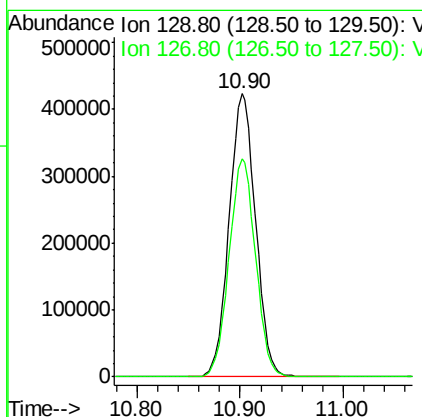
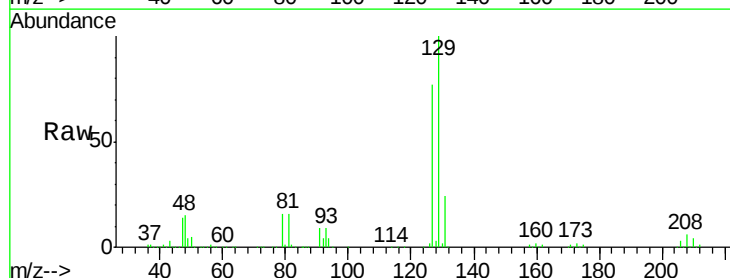
Manual Integrations
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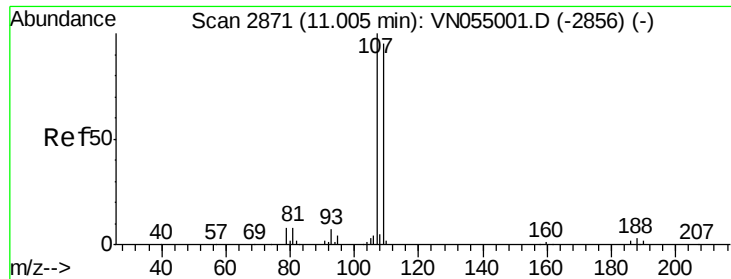
MMDadoda
4/16/2019 1:58:19 PM



#60
Dibromochloromethane
Concen: 165.225 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 129 Resp: 756253
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 165.648 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 683316

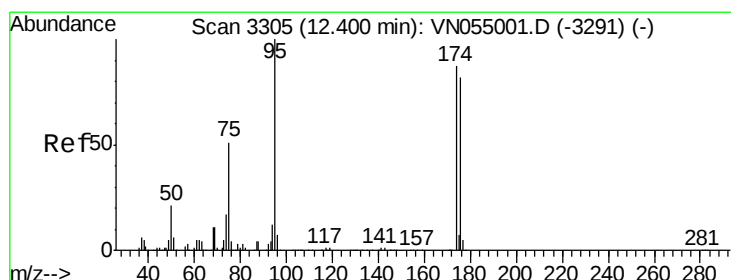
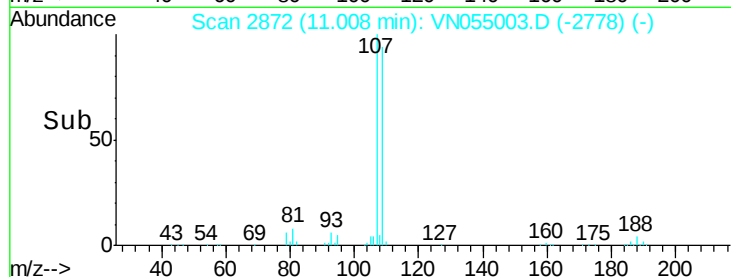
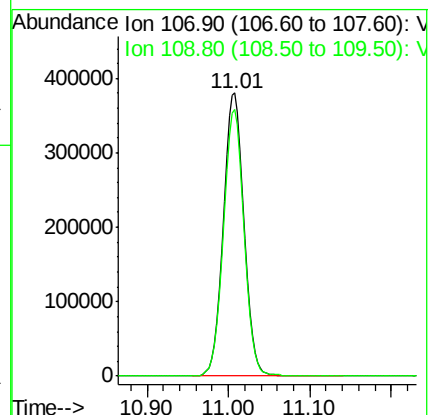
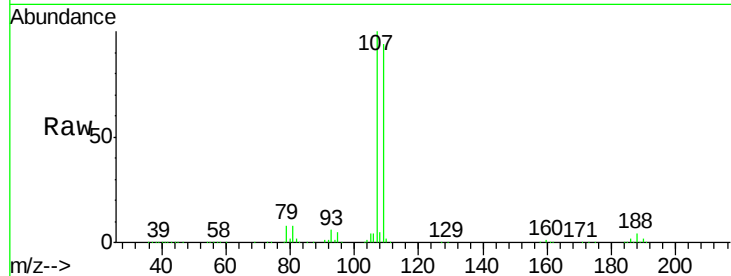
Ion Ratio Lower Upper

107 100

109 94.2 76.5 114.7

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 128.194 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

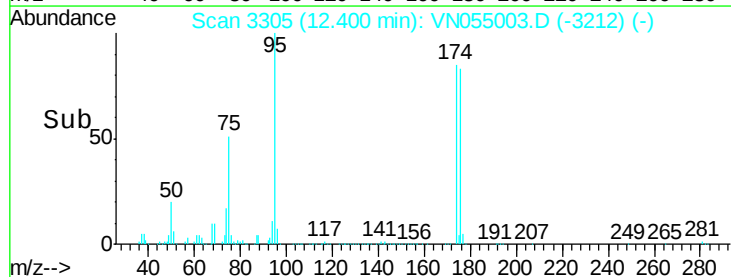
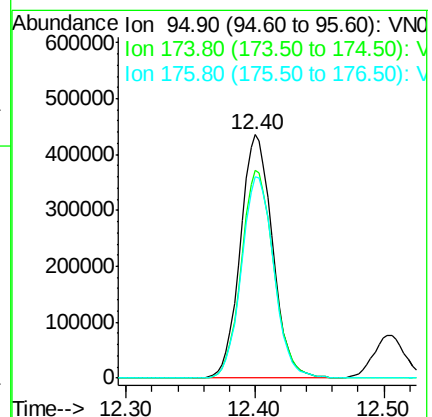
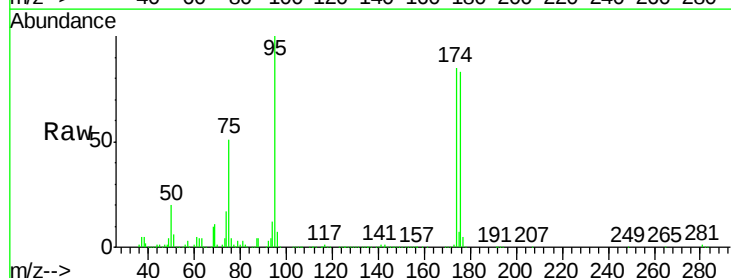
Tgt Ion: 95 Resp: 758068

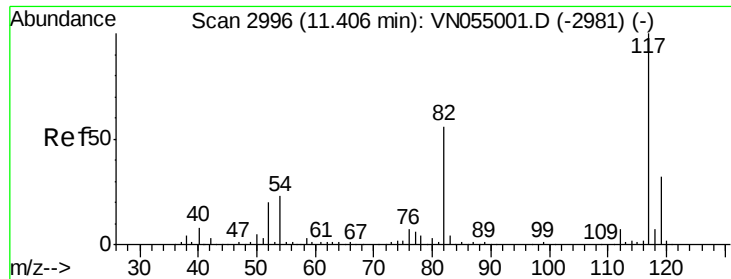
Ion Ratio Lower Upper

95 100

174 85.7 0.0 174.4

176 83.1 0.0 166.8





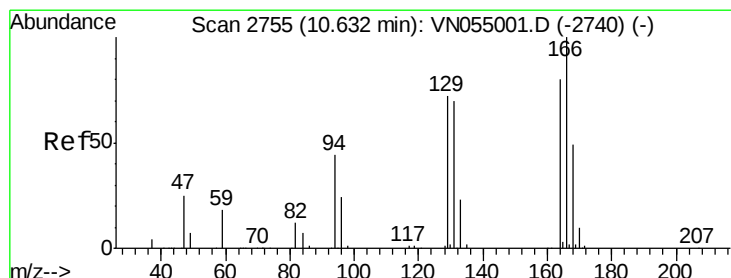
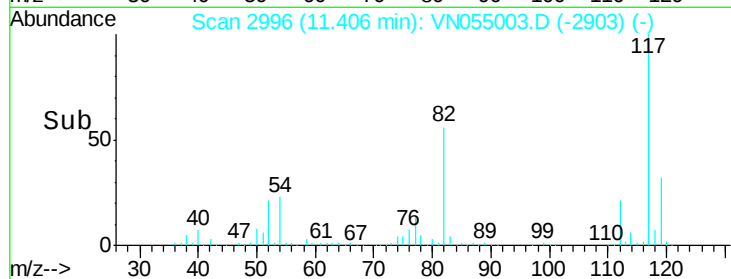
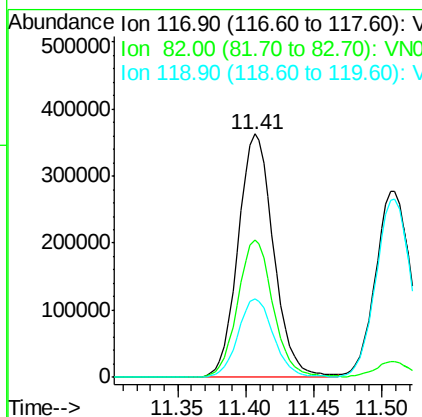
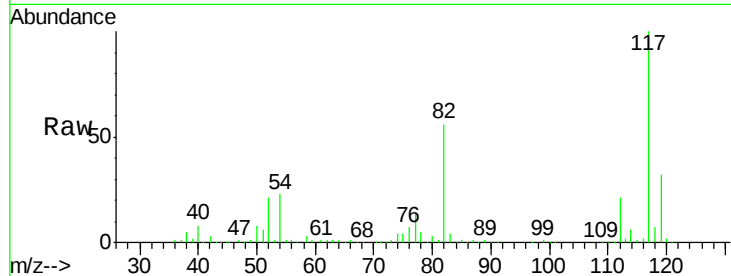
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	655565		
82	56.4	44.6	66.8	
119	32.1	25.5	38.3	

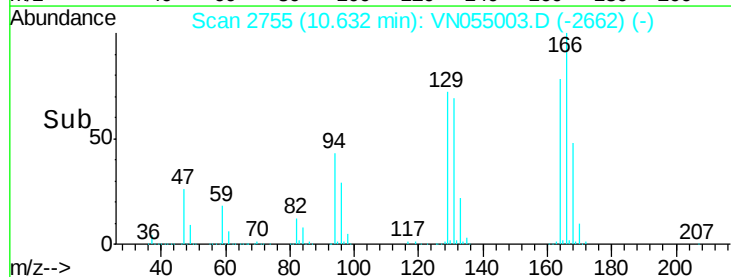
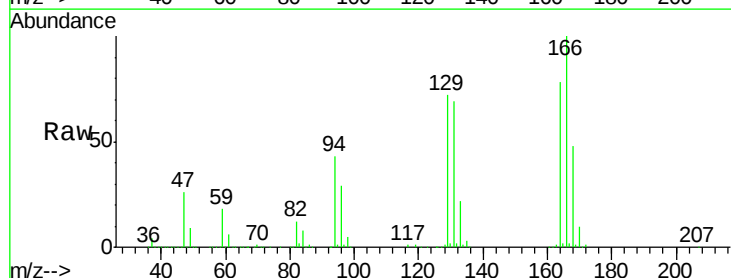
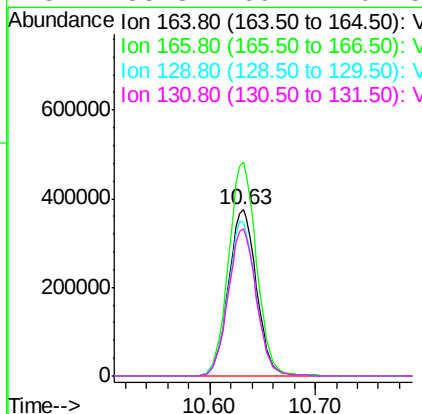
Manual Integrations
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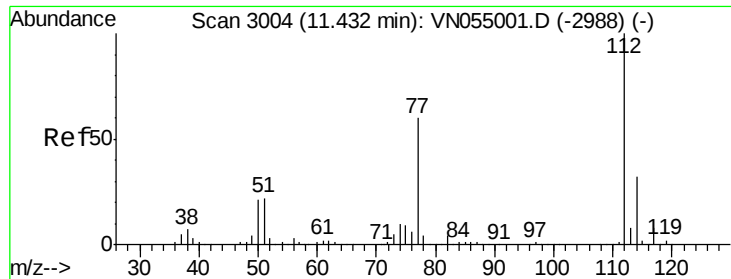
MMDadoda
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#64
Tetrachloroethene
Concen: 130.876 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	687002		
166	128.4	100.0	150.0	
129	92.7	72.0	108.0	
131	88.3	69.7	104.5	





#65

Chlorobenzene

Concen: 144.645 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1909526

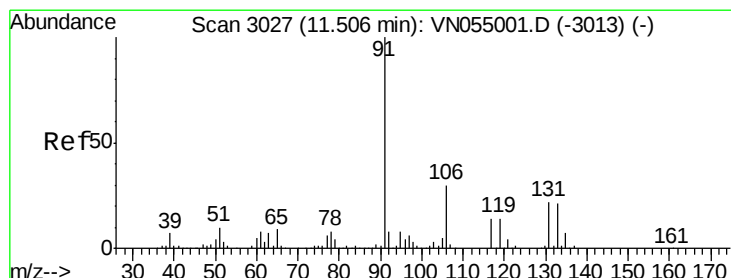
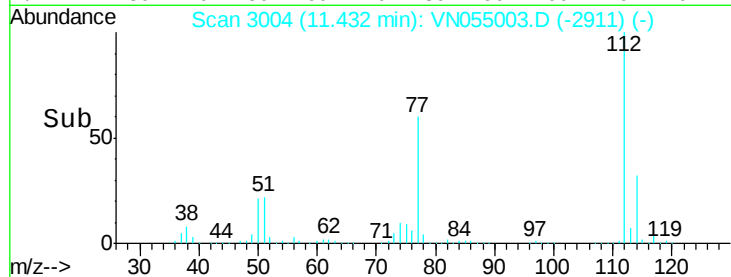
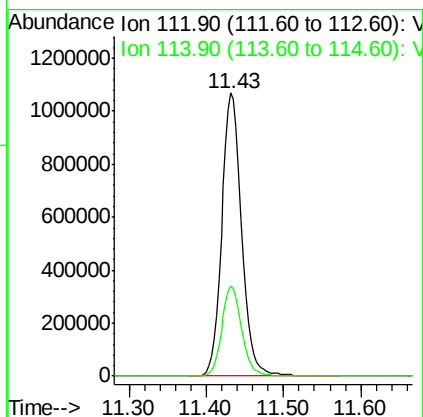
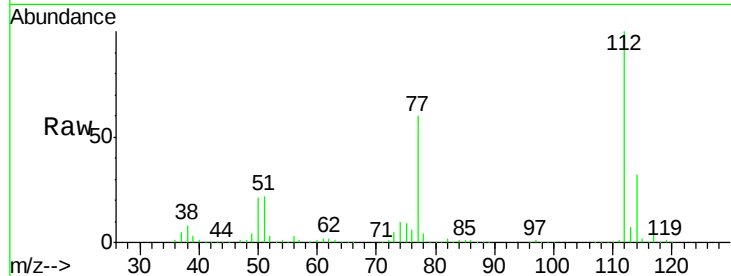
Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 149.487 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

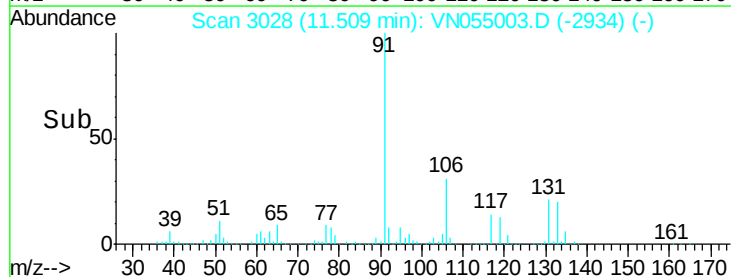
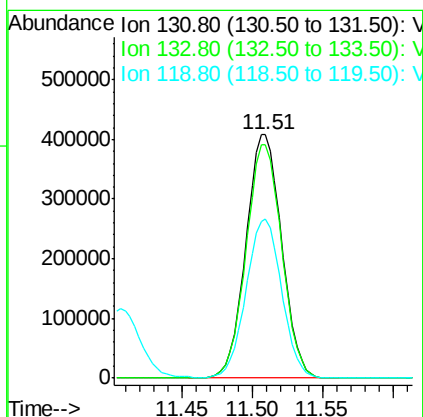
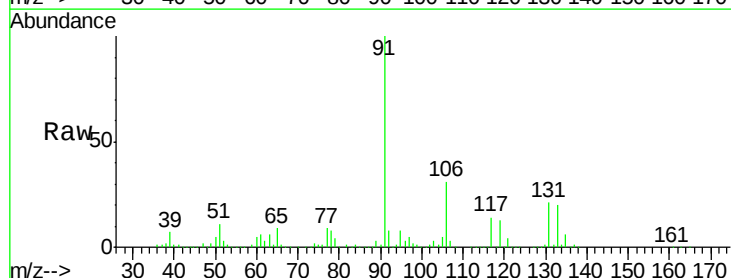
Tgt Ion:131 Resp: 722660

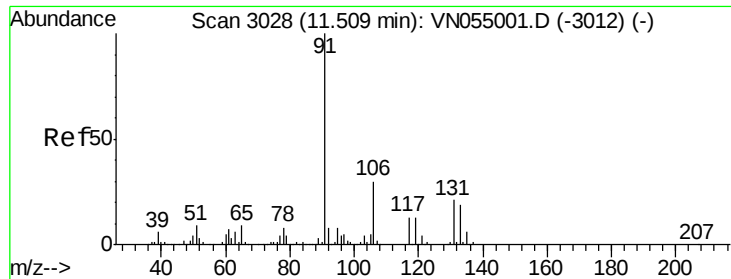
Ion Ratio Lower Upper

131 100

133 95.9 47.8 143.3

119 65.0 33.6 100.6





#67

Ethyl Benzene

Concen: 145.853 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3469682

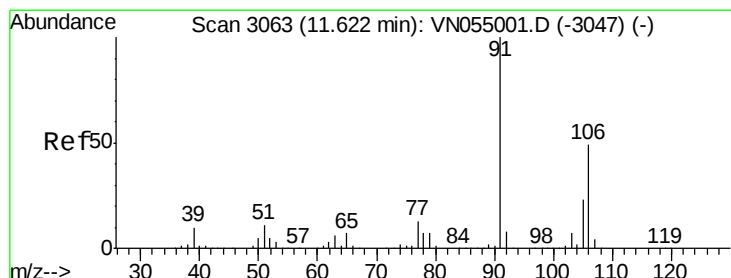
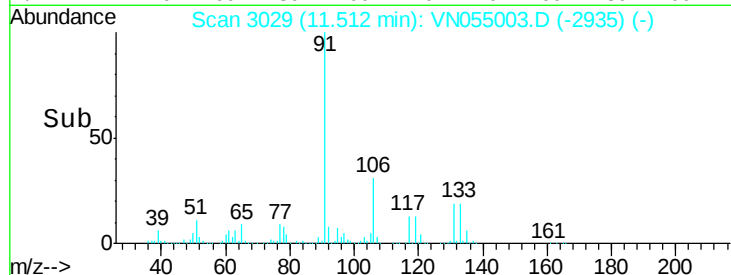
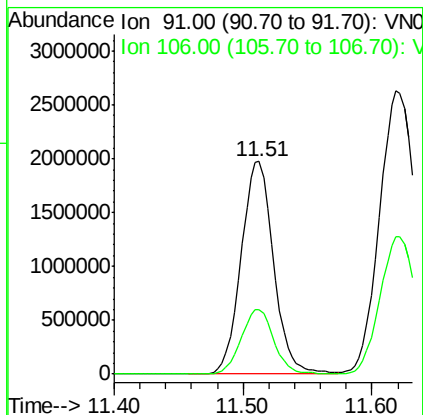
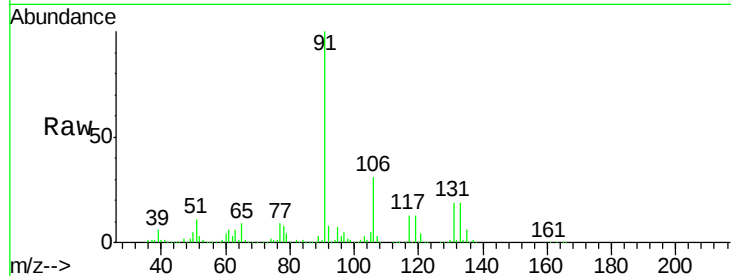
Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5

Manual Integrations
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4/16/2019 1:58:19 PM



#68

m/p-Xylenes

Concen: 294.885 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055003.D

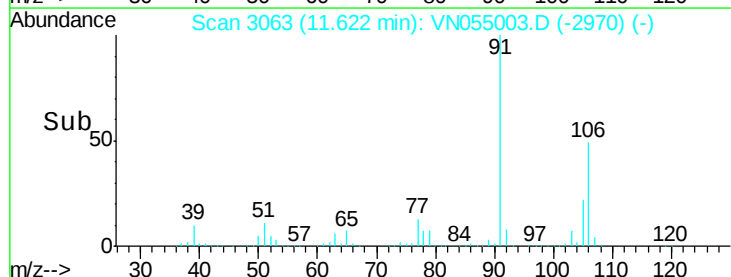
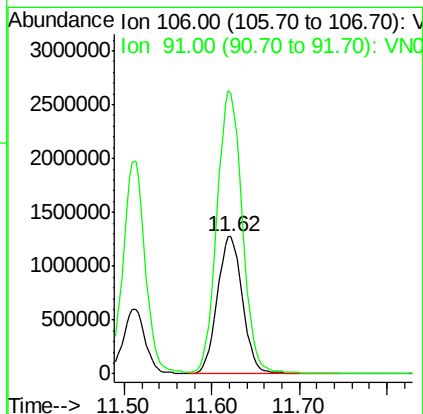
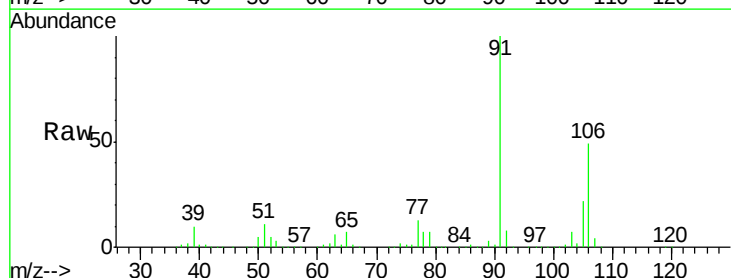
Acq: 12 Apr 2019 16:58

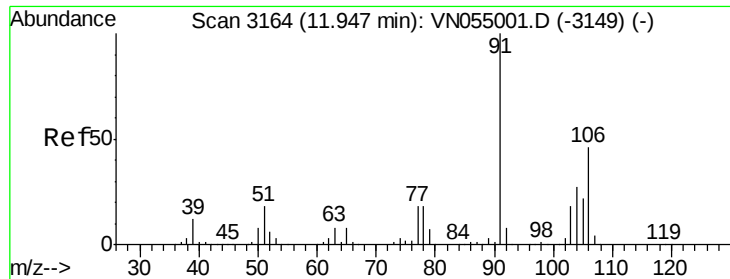
Tgt Ion: 106 Resp: 2566905

Ion Ratio Lower Upper

106 100

91 206.8 165.9 248.9





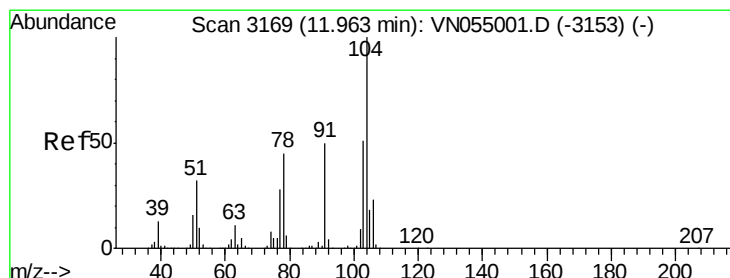
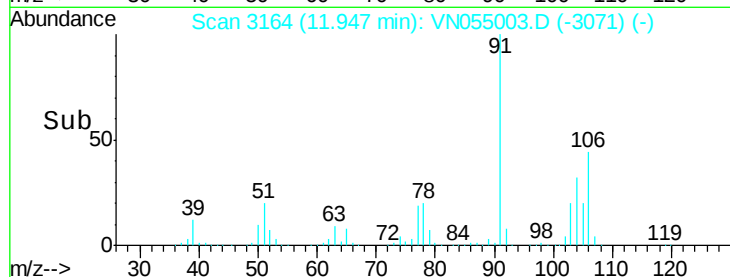
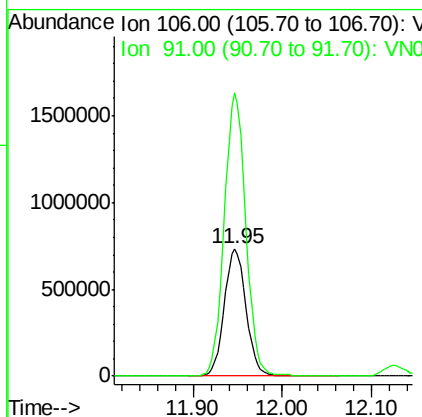
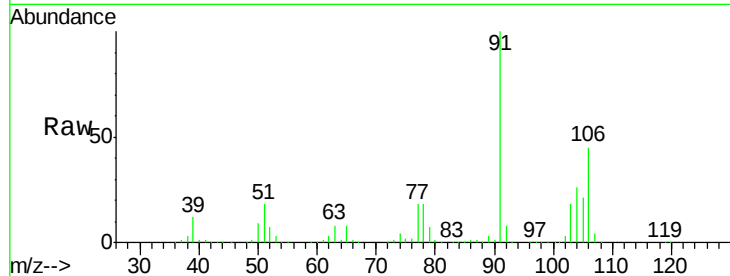
#69
o-Xylene
Concen: 146.499 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1241806
Ion Ratio Lower Upper
106 100
91 219.4 109.9 329.8

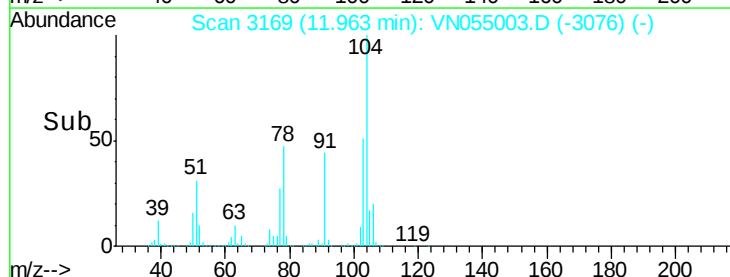
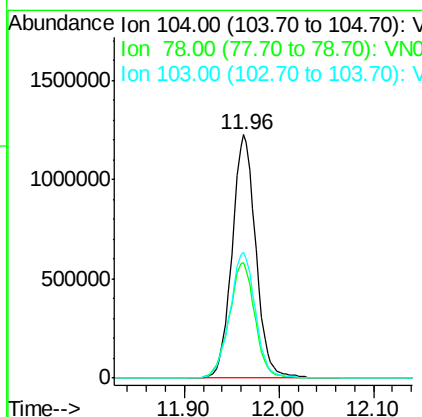
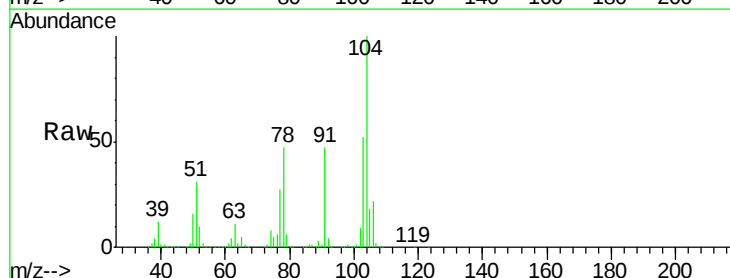
Manual Integrations
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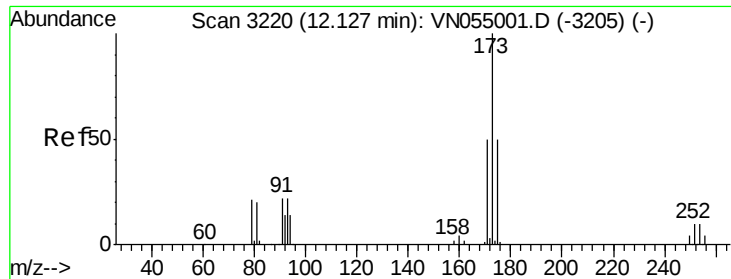
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#70
Styrene
Concen: 156.797 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion:104 Resp: 2134837
Ion Ratio Lower Upper
104 100
78 51.5 40.3 60.5
103 55.5 44.3 66.5





#71

Bromoform

Concen: 171.869 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

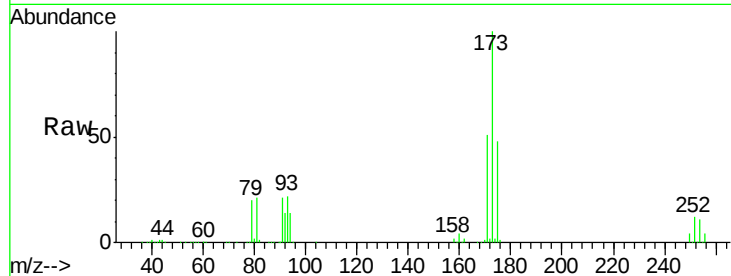
ClientSampleId :

VSTDIC150

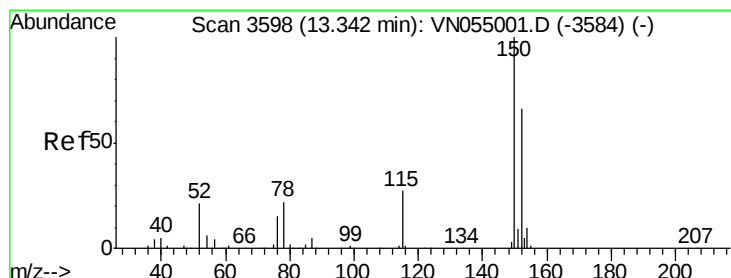
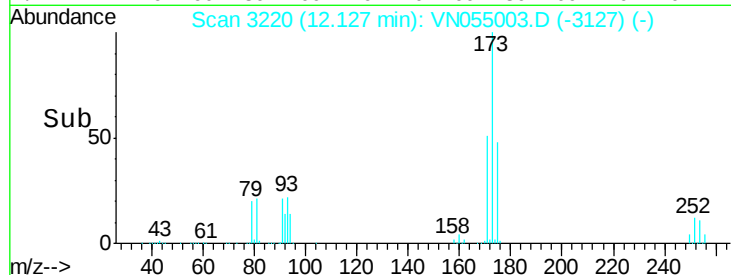
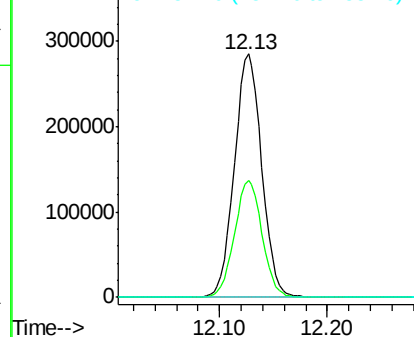
Tot Ion:	173	Resp:	502901
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
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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

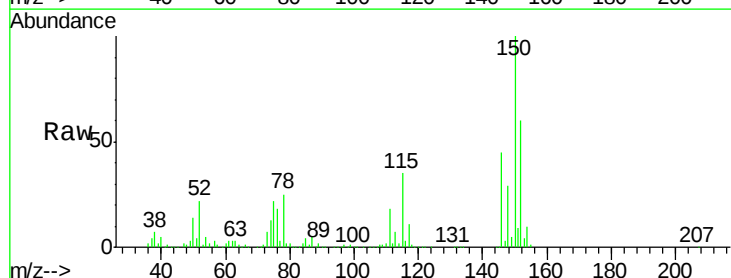
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

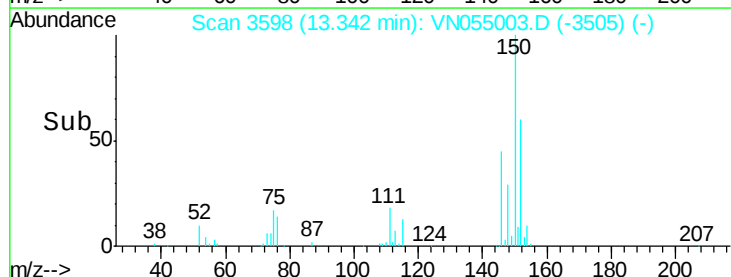
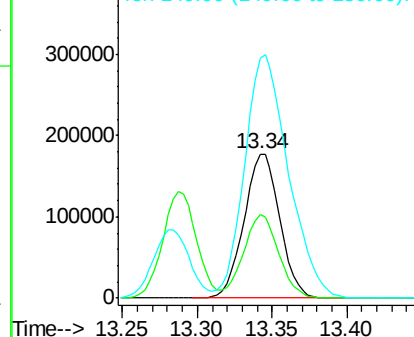
Lab File: VN055003.D

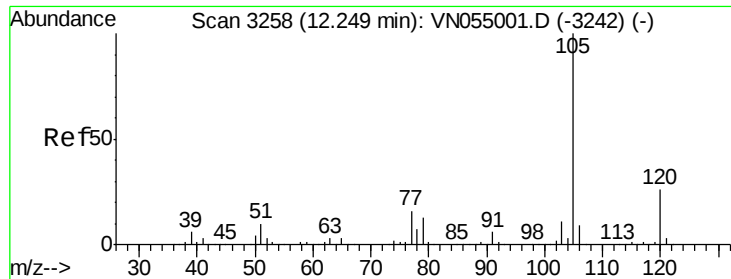
Acq: 12 Apr 2019 16:58

Tgt Ion:	152	Resp:	294216
Ion Ratio	Lower	Upper	
152	100		
115	56.9	28.5	85.6
150	206.8	0.0	347.2



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: 134.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3318066

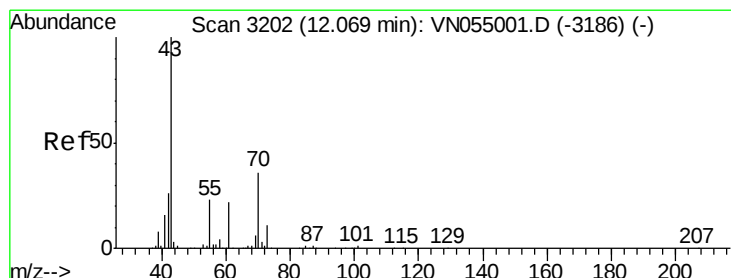
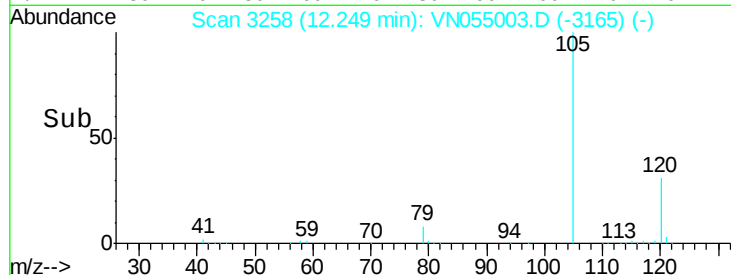
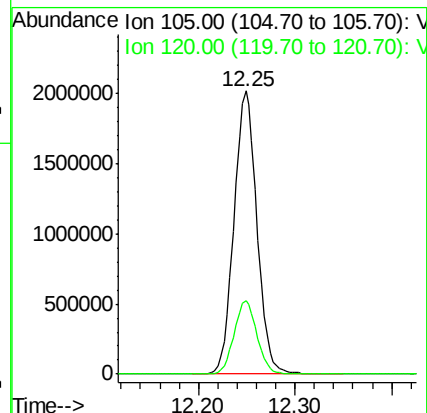
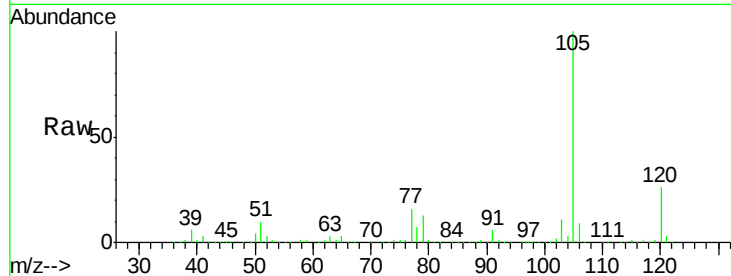
Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9

Manual Integrations
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4/16/2019 1:58:19 PM



#74

N-ethyl acetate

Concen: 169.230 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion: 43 Resp: 1169857

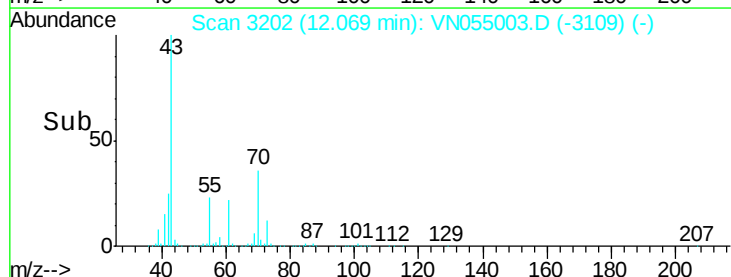
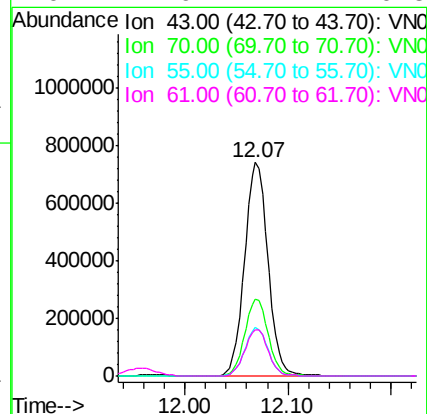
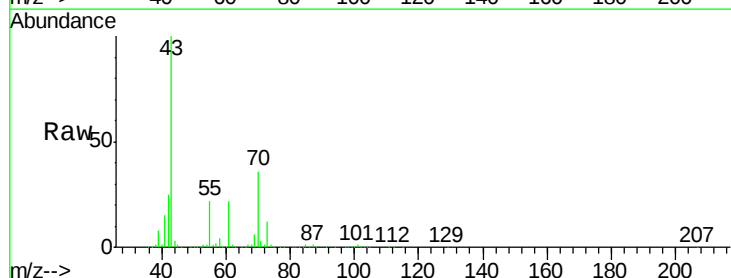
Ion Ratio Lower Upper

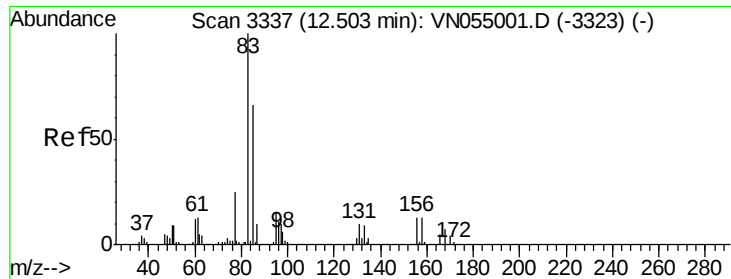
43 100

70 36.1 29.4 44.0

55 22.7 19.0 28.4

61 21.9 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 137.902 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

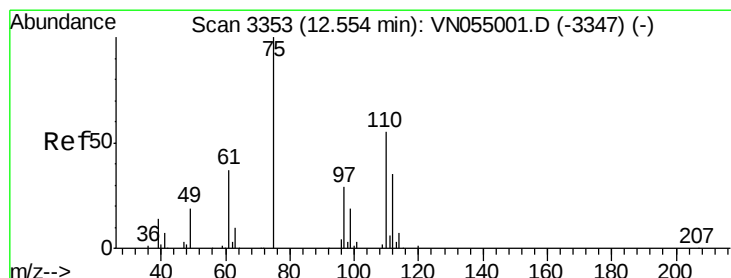
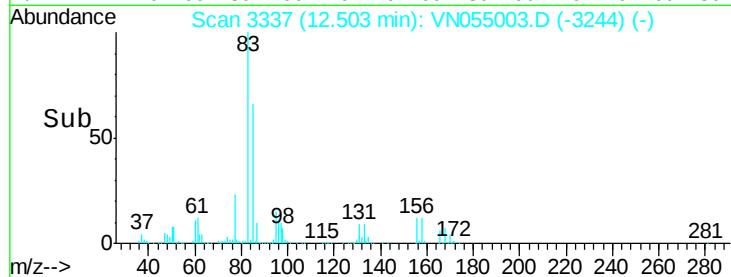
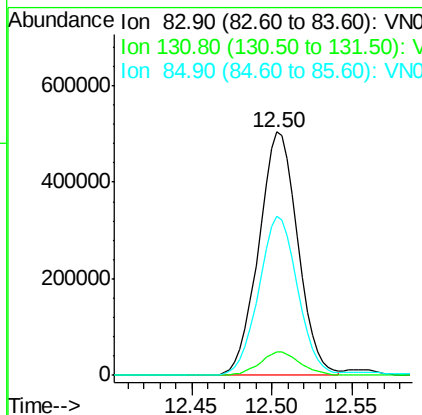
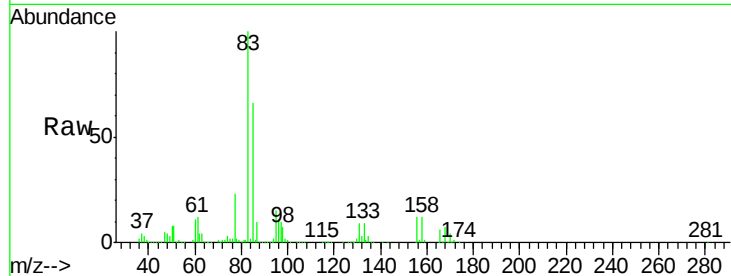
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	848610
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	65.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 134.362 ug/l m

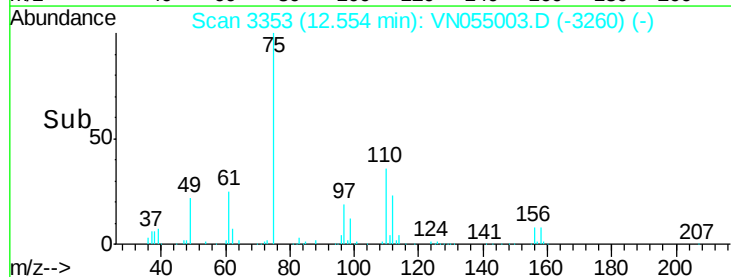
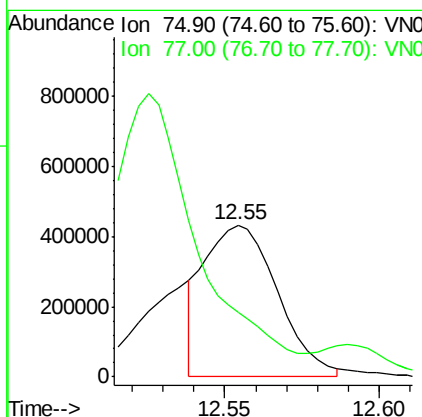
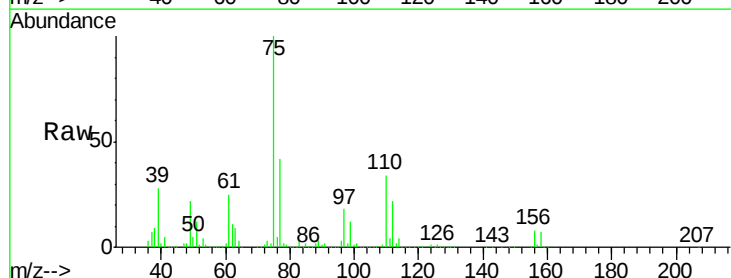
RT: 12.55 min Scan# 3353

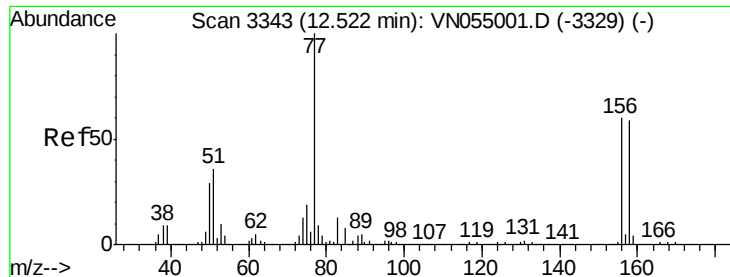
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:	75	Resp:	713971
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 139.125 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

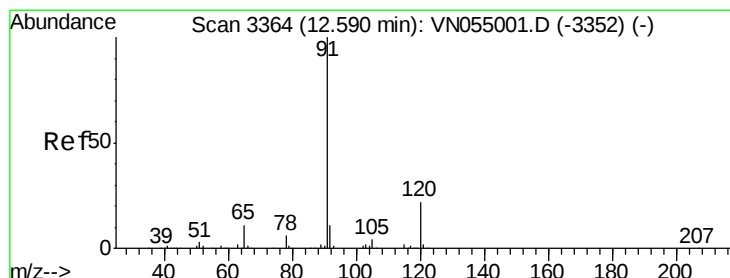
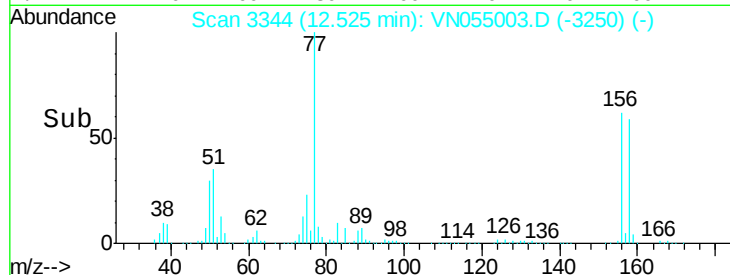
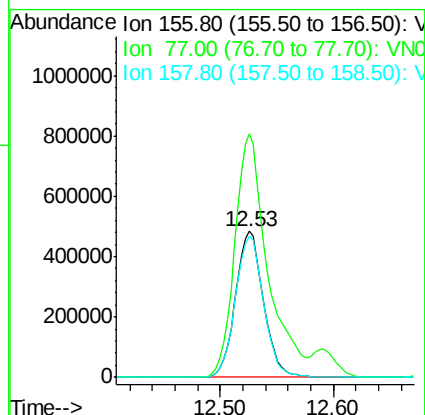
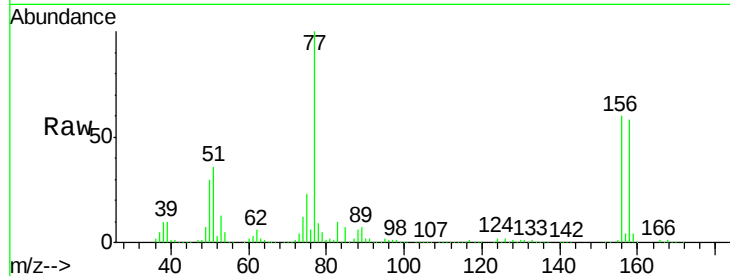
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	832813
Ion Ratio	Lower	Upper	
156	100		
77	195.2	97.2	291.5
158	97.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 137.494 ug/l

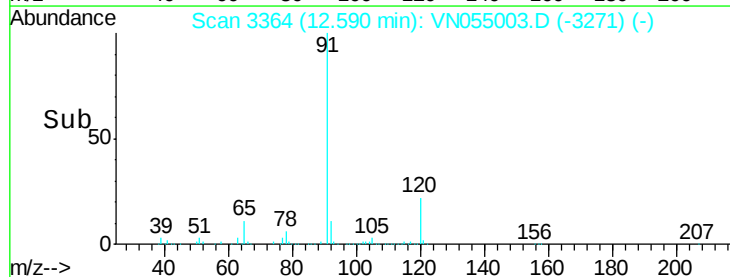
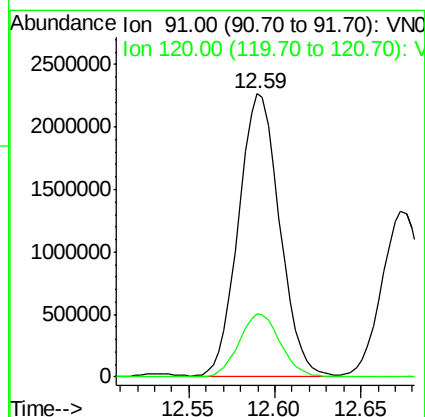
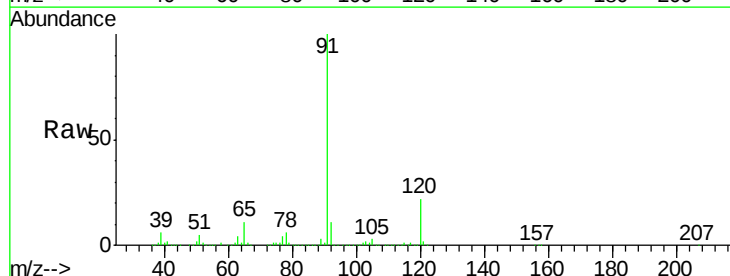
RT: 12.59 min Scan# 3364

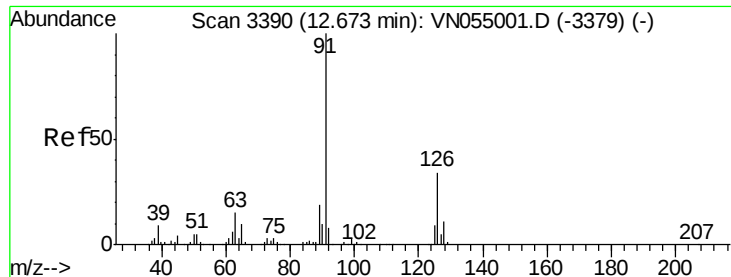
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:	91	Resp:	3740681
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 132.825 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2239582

Ion Ratio Lower Upper

91 100

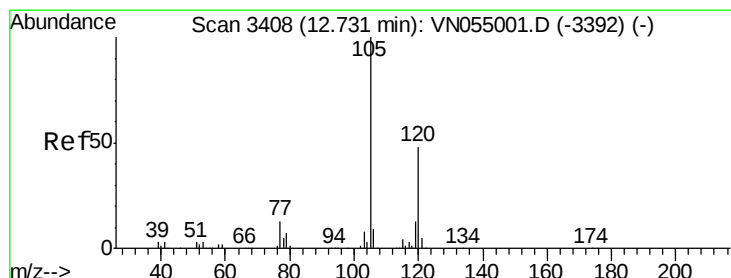
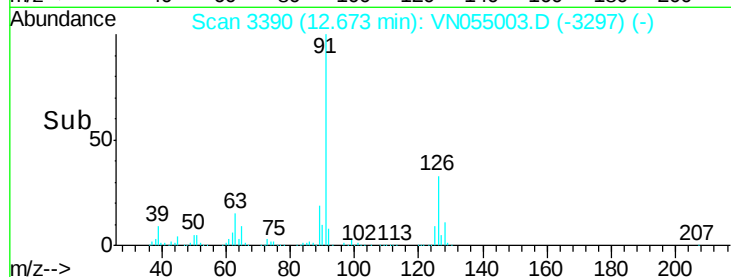
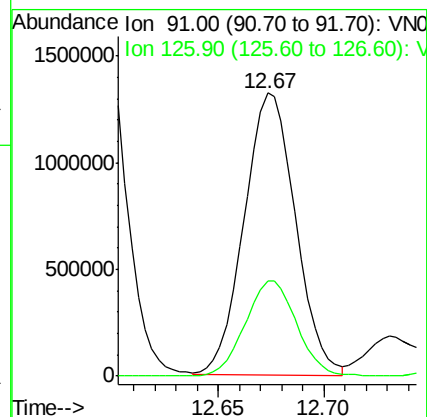
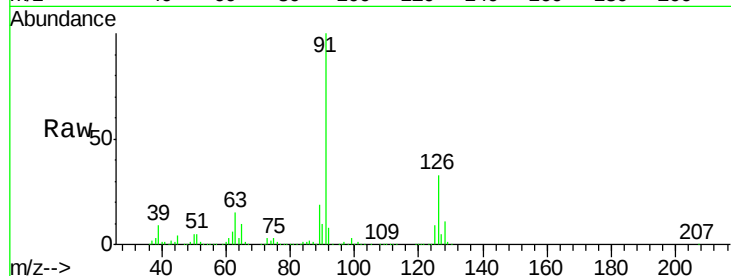
126 33.9 17.1 51.2

Manual Integrations

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4/16/2019 1:58:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 135.111 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055003.D

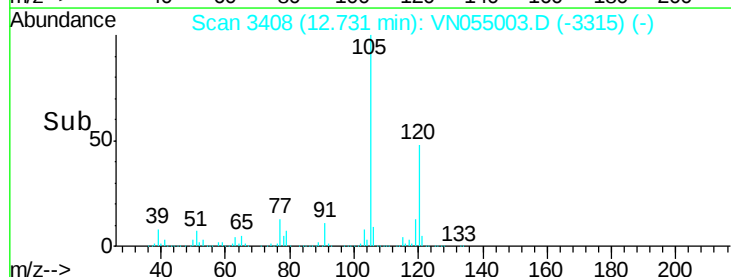
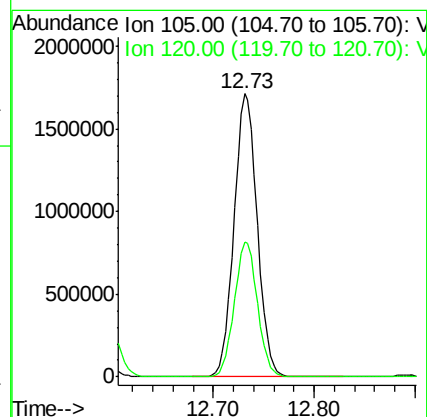
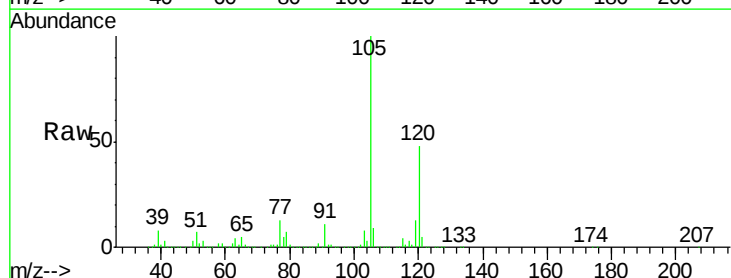
Acq: 12 Apr 2019 16:58

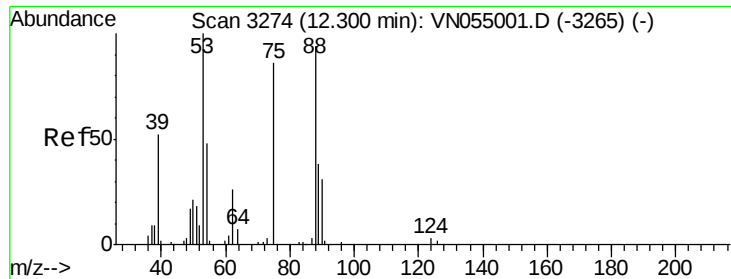
Tgt Ion:105 Resp: 2737303

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





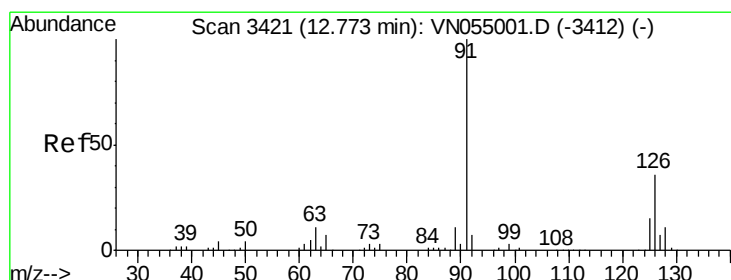
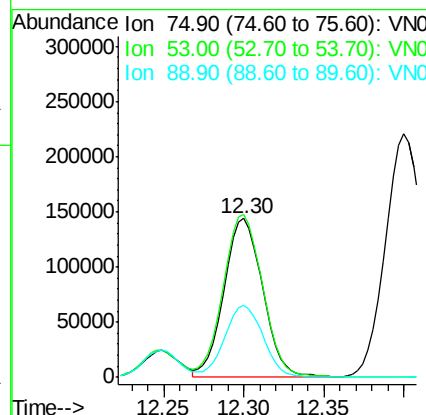
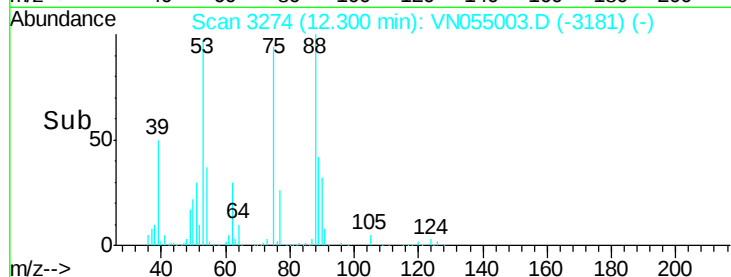
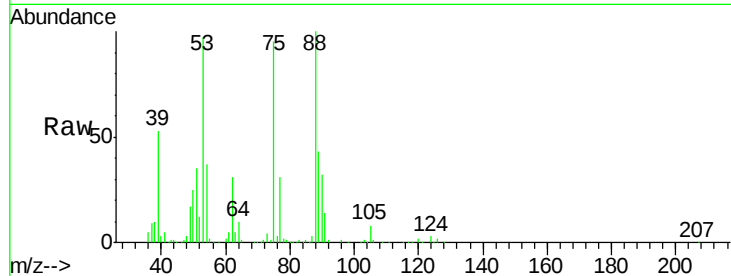
#81
trans-1,4-Dichloro-2-butene
Concen: 186.586 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	96.3	144.5
89	45.4	38.6	57.8

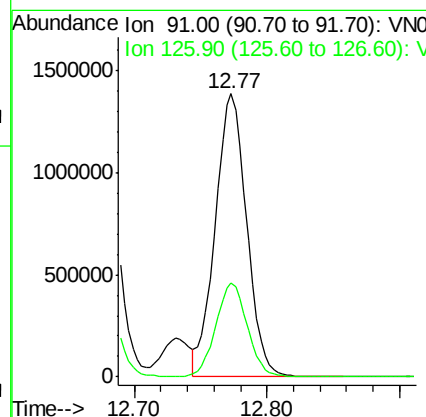
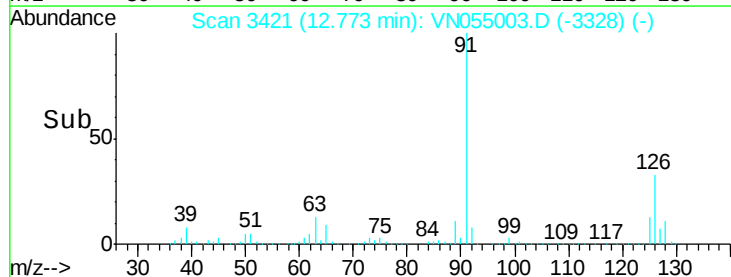
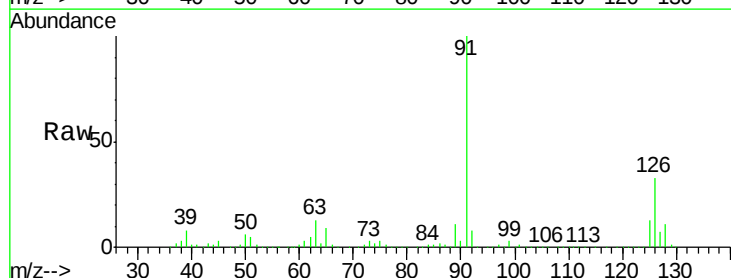
Manual Integrations
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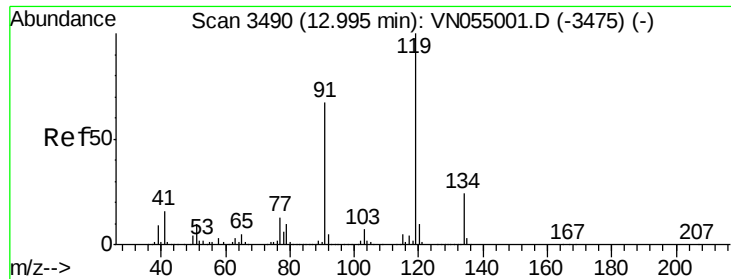
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4/16/2019 1:58:19 PM



#82
4-Chlorotoluene
Concen: 142.911 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





#83

tert-Butylbenzene

Concen: 133.625 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2309011

Ion Ratio Lower Upper

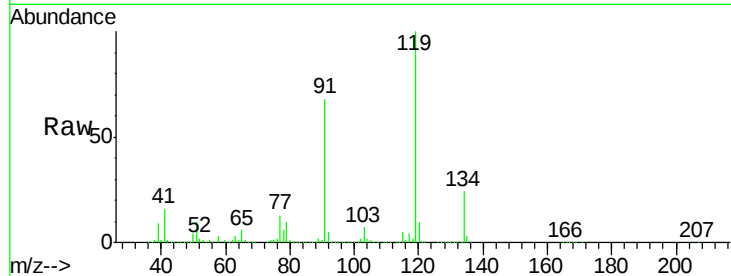
119 100

91 67.0 33.3 99.8

134 26.3 12.3 36.9

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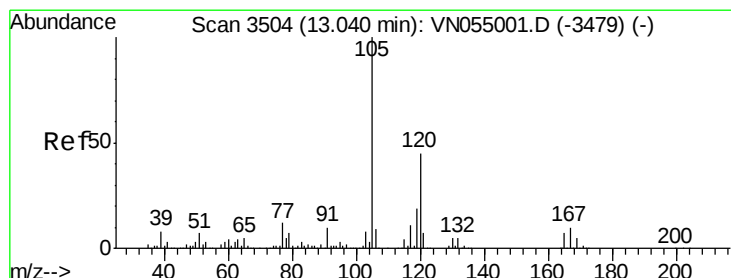
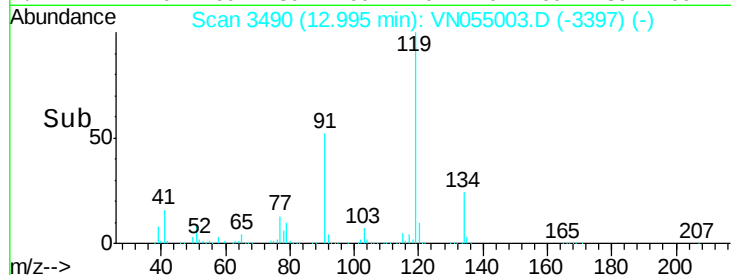
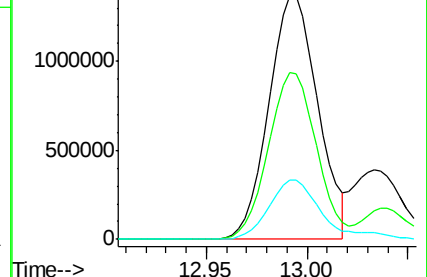
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 138.674 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055003.D

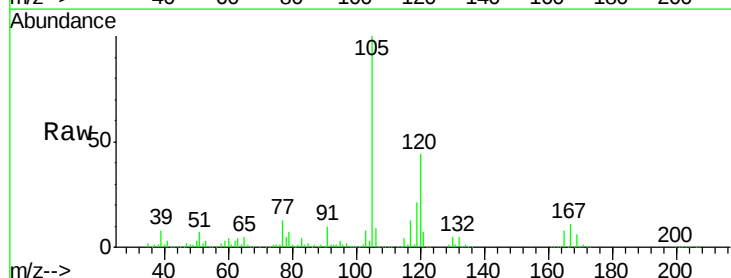
Acq: 12 Apr 2019 16:58

Tgt Ion:105 Resp: 2716023

Ion Ratio Lower Upper

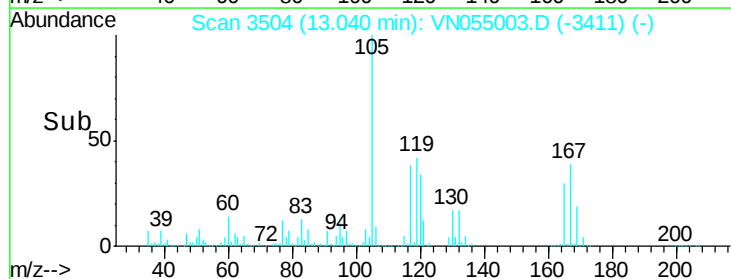
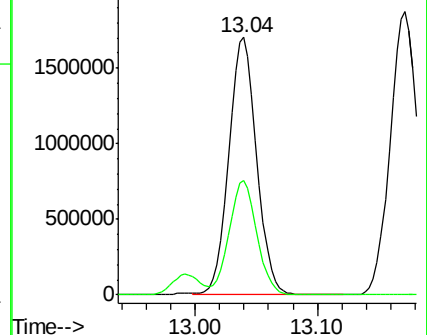
105 100

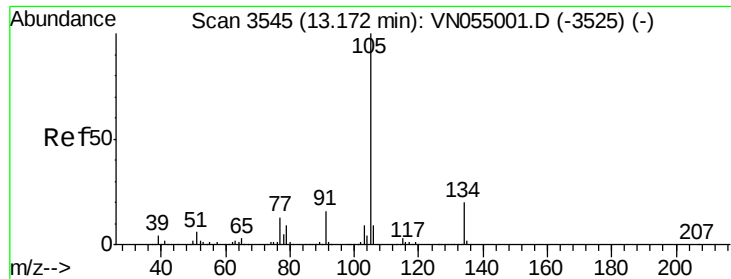
120 44.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 135.373 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3025811

Ion Ratio Lower Upper

105 100

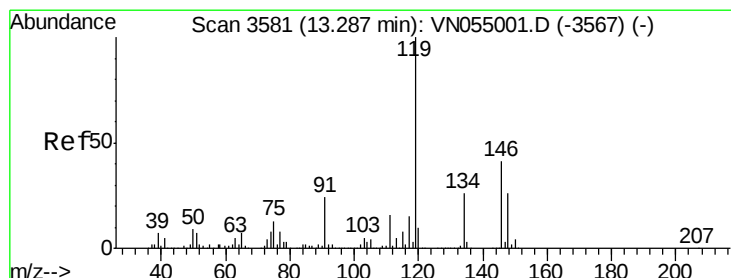
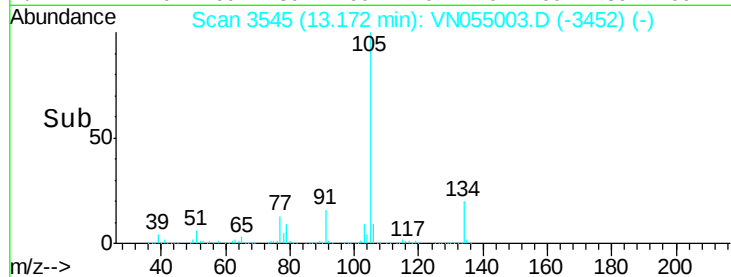
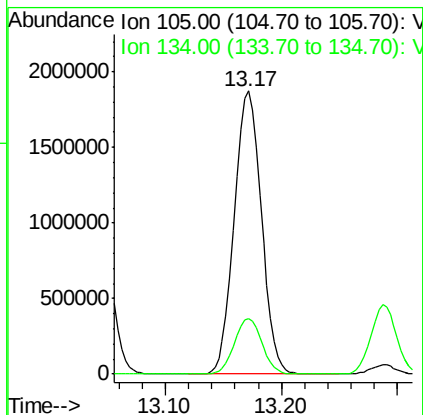
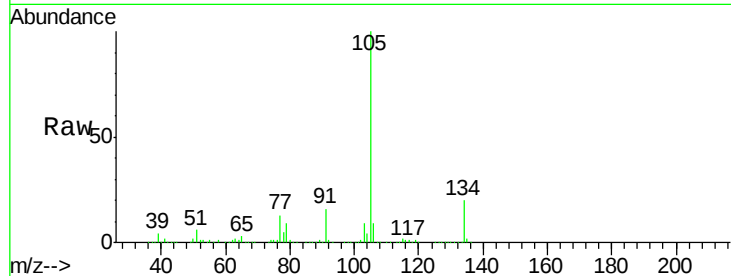
134 19.8 9.8 29.3

Manual Integrations

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4/16/2019 1:58:19 PM



#86

p-Isopropyltoluene

Concen: 139.809 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

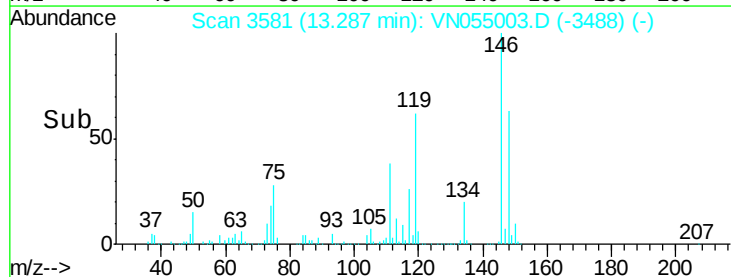
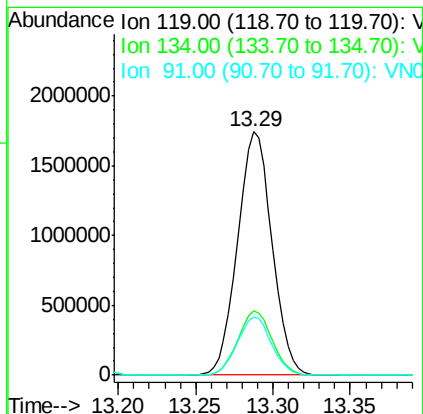
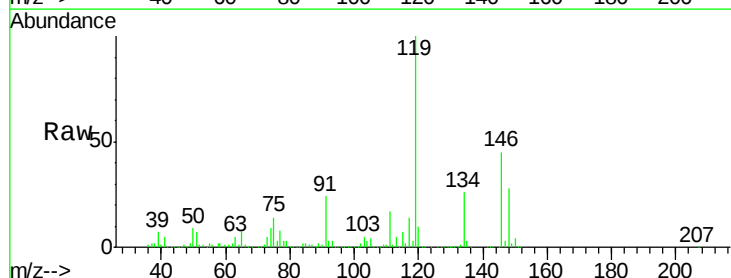
Tgt Ion:119 Resp: 2689911

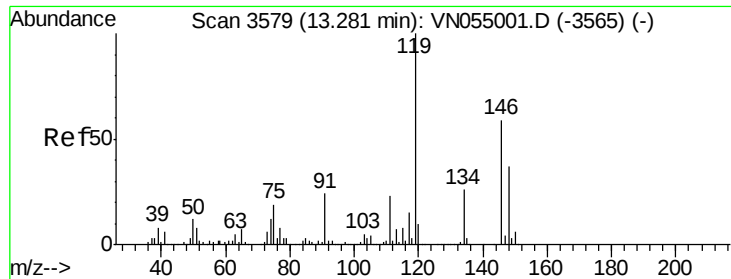
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 11.7 35.1





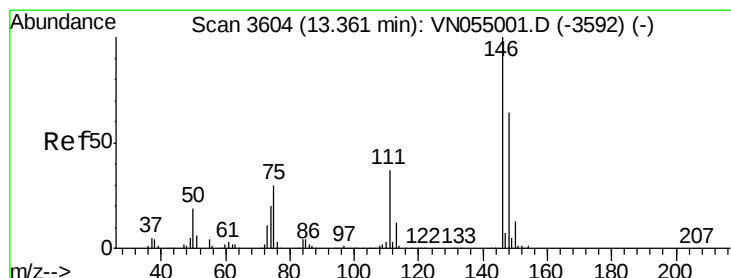
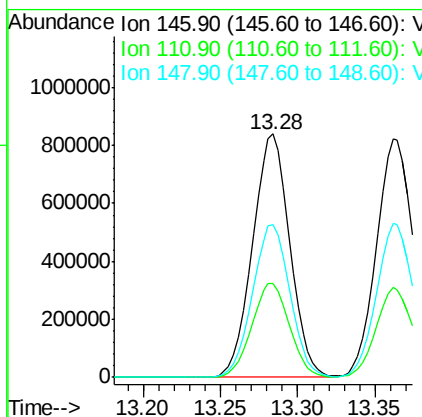
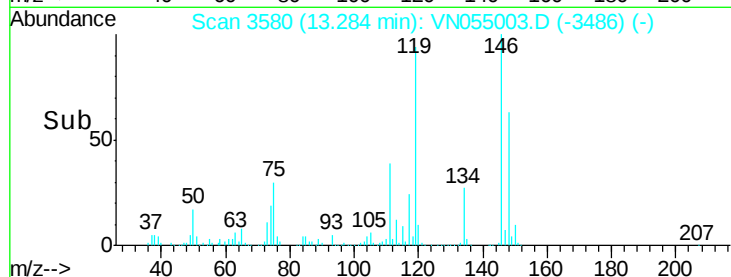
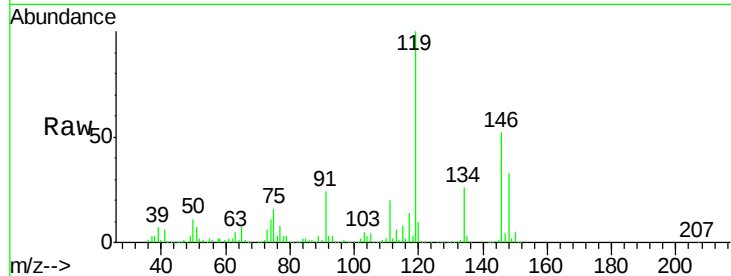
#87
 1,3-Dichlorobenzene
 Concen: 141.839 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1407521
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.5 58.5
 148 63.3 31.6 94.7

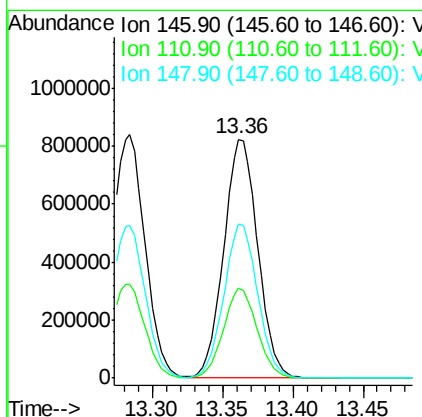
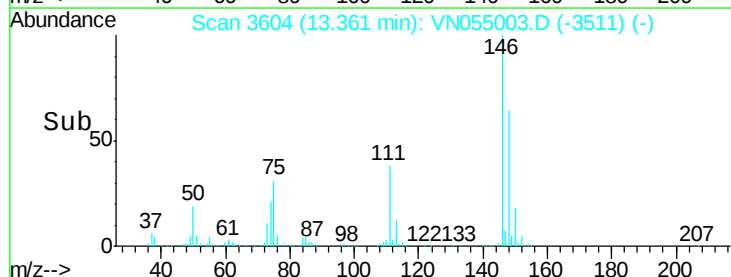
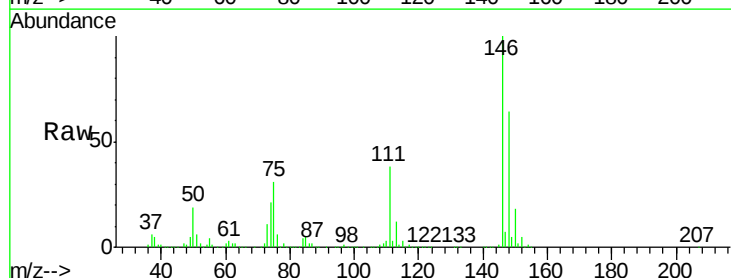
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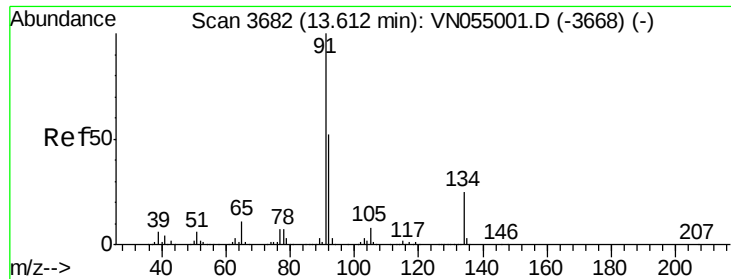
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#88
 1,4-Dichlorobenzene
 Concen: 146.274 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion:146 Resp: 1383659
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 64.2 32.4 97.2





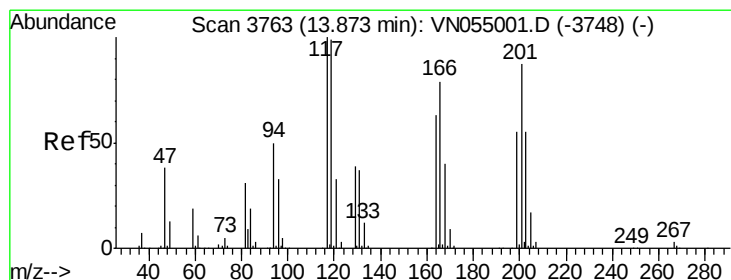
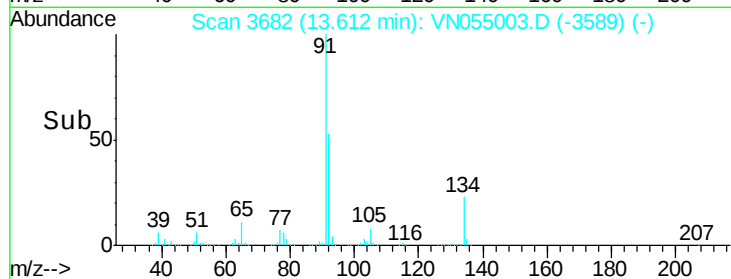
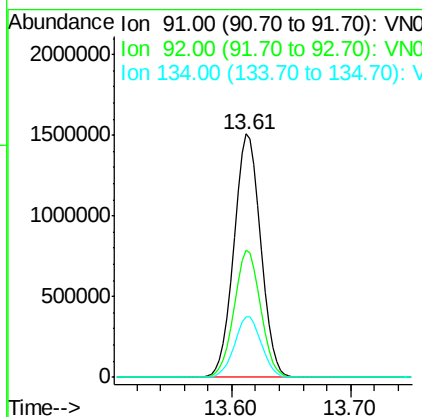
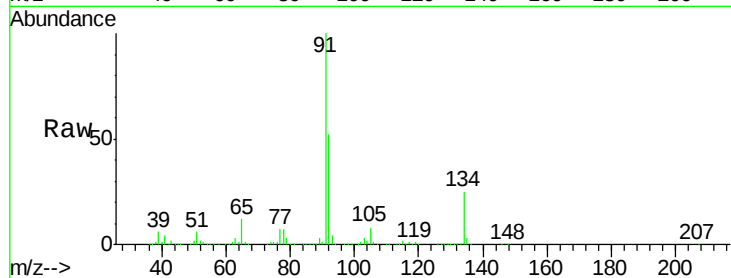
#89
n-Butylbenzene
Concen: 153.680 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2346497
Ion Ratio Lower Upper
91 100
92 51.7 25.9 77.7
134 25.0 12.8 38.3

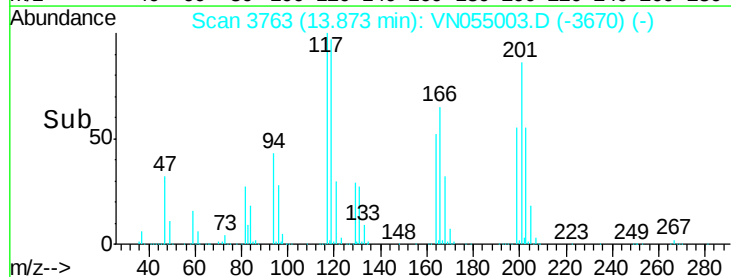
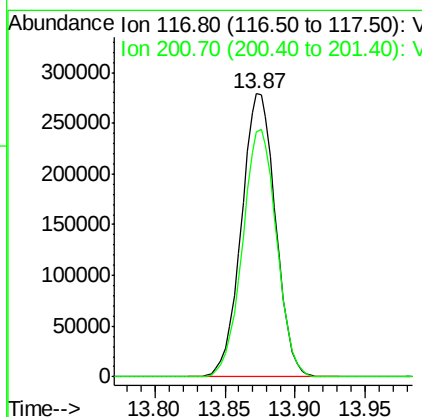
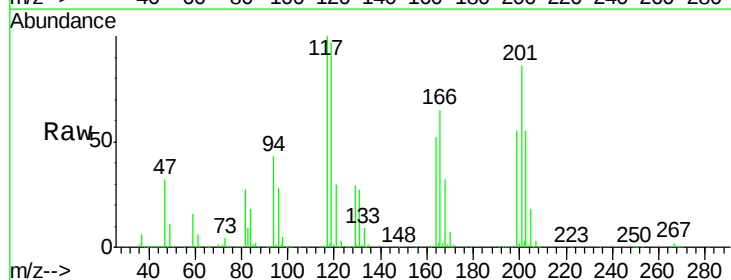
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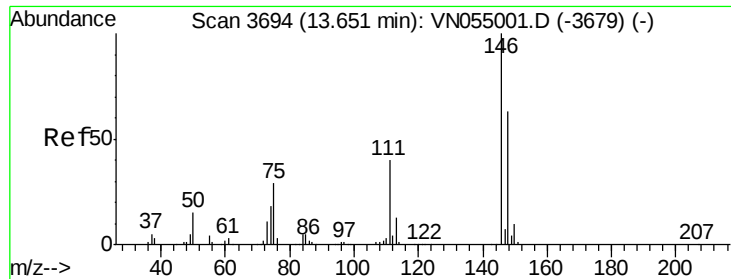
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#90
Hexachloroethane
Concen: 147.718 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 117 Resp: 472726
Ion Ratio Lower Upper
117 100
201 87.4 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 137.513 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 1343910

Ion Ratio Lower Upper

146 100

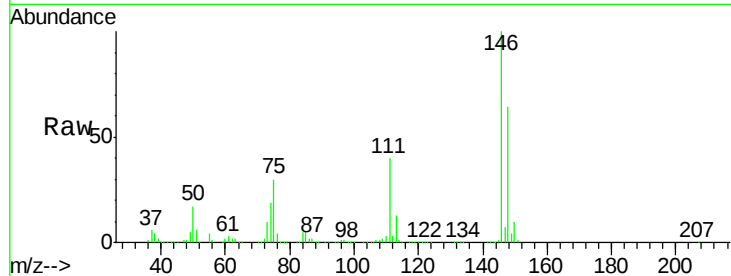
111 40.3 20.3 60.9

148 64.2 32.2 96.6

Manual Integrations
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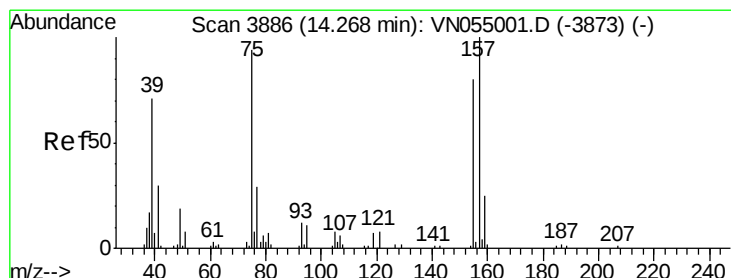
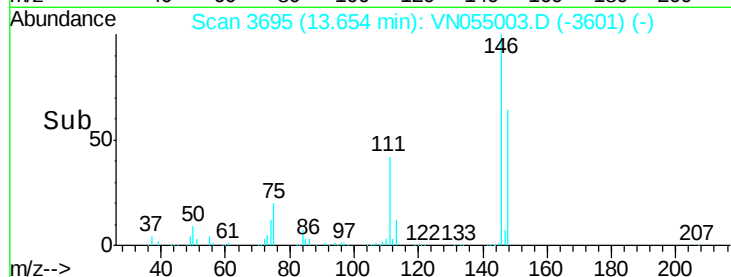
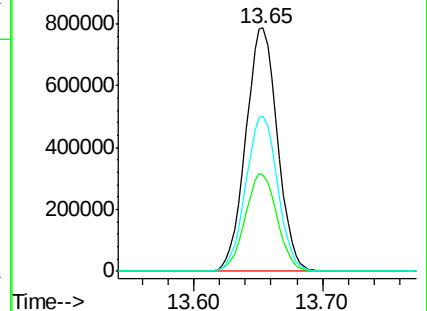
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 156.999 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

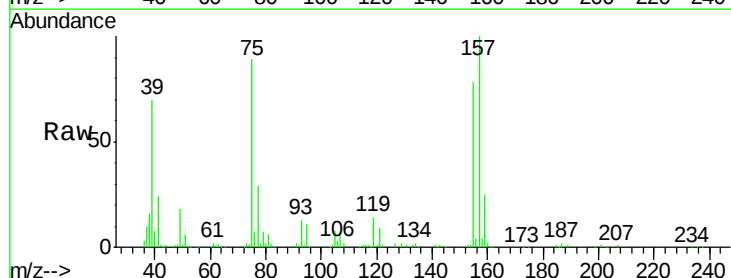
Tgt Ion: 75 Resp: 134448

Ion Ratio Lower Upper

75 100

155 87.1 42.0 126.0

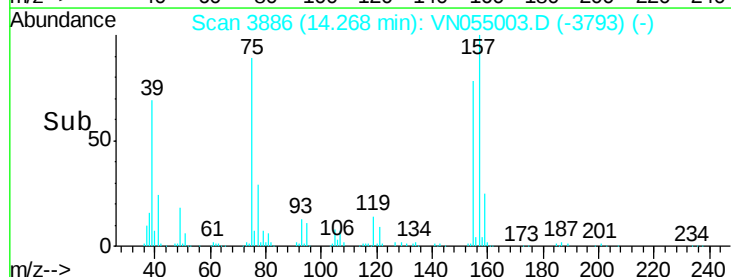
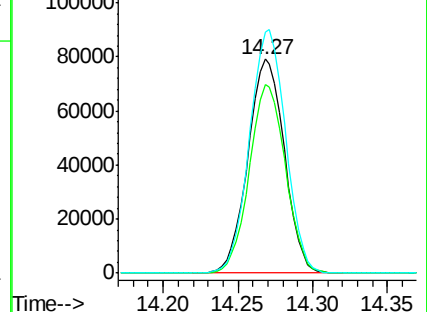
157 112.5 52.1 156.4

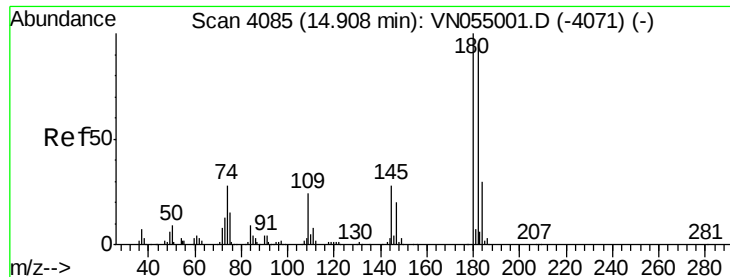


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 179.754 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

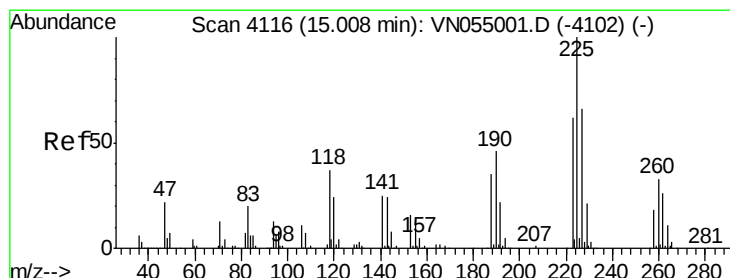
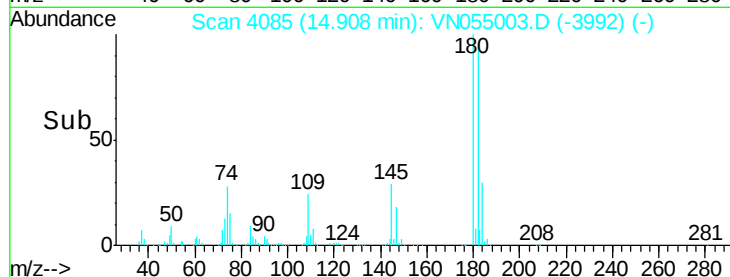
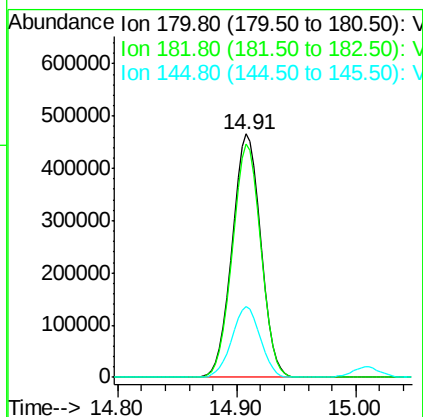
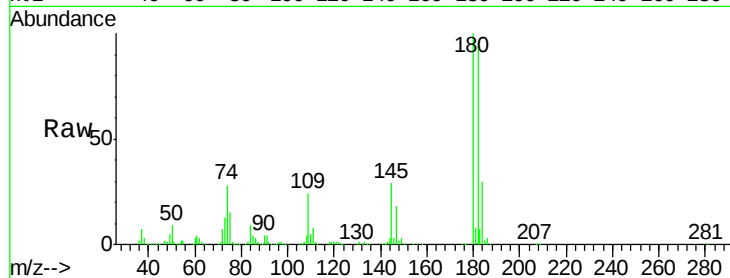
ClientSampleId :

VSTDIC150

Tot Ion:	180	Resp:	772382
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.6
145	29.0	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
4/16/2019 1:58:19 PM



#94

Hexachlorobutadiene

Concen: 127.115 ug/l

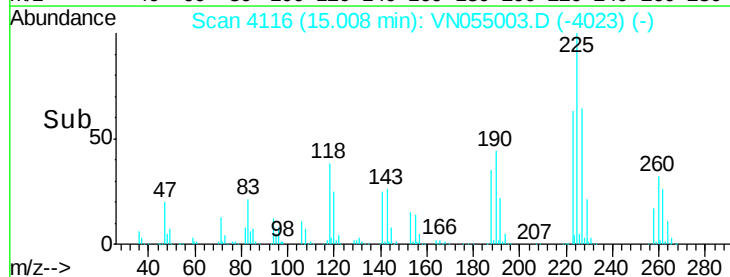
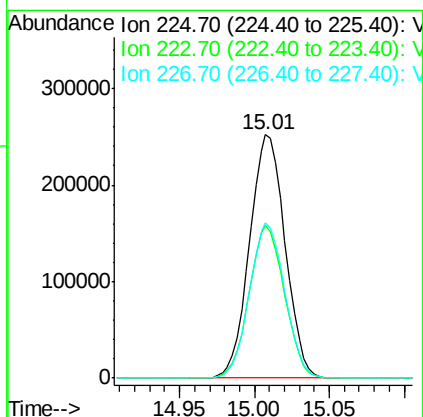
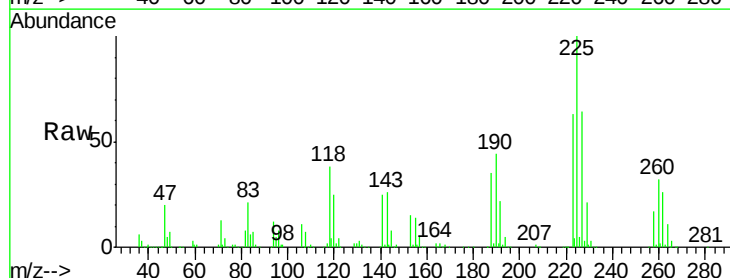
RT: 15.01 min Scan# 4116

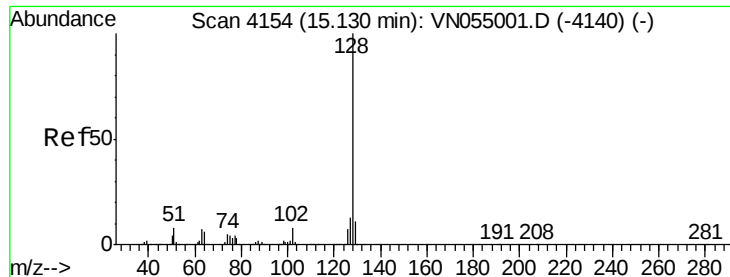
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:	225	Resp:	416248
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.0
227	63.5	32.6	97.7





#95

Naphthalene

Concen: 195.268 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1853046

Ion Ratio Lower Upper

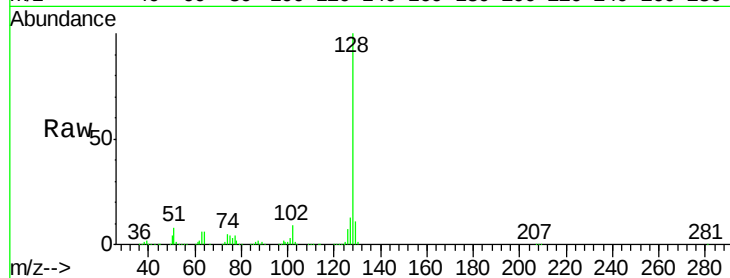
128 100

127 13.1 10.1 15.1

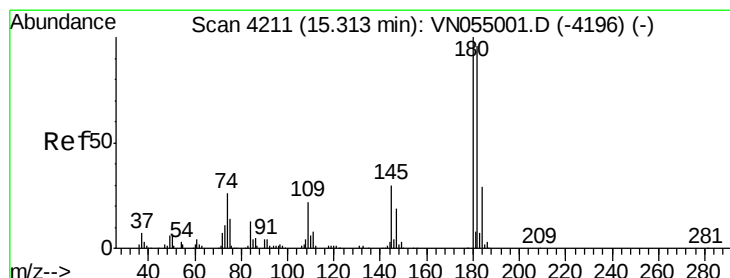
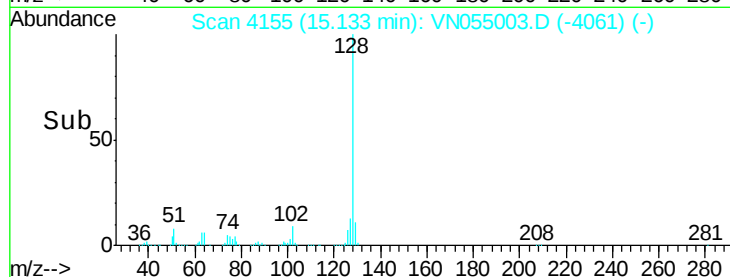
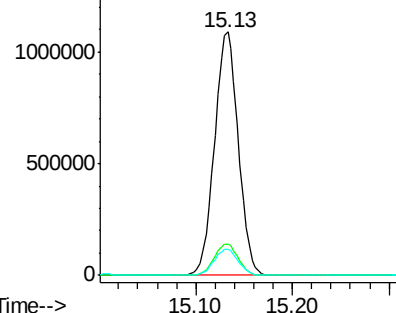
129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V
1500000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 169.328 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

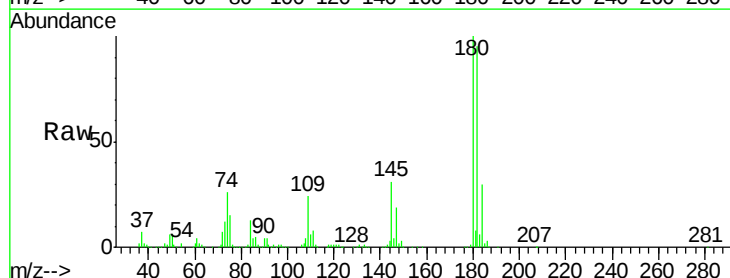
Tgt Ion:180 Resp: 755956

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.0

145 30.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
500000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

