

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022472.D
 Acq On : 05 Jun 2021 15:21
 Operator : JC/MD
 Sample : M2580-33
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:24:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

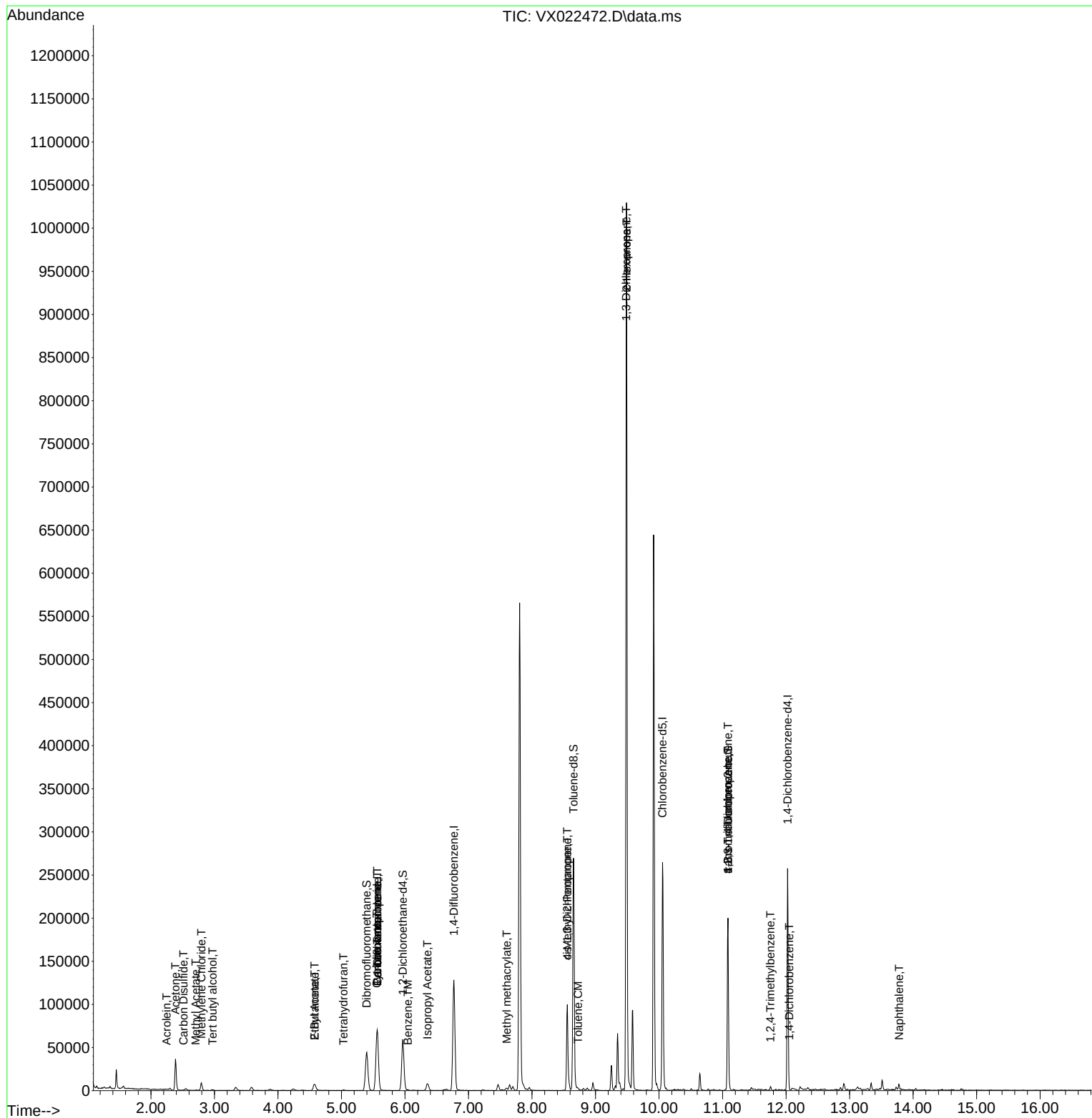
Internal Standards						
1) Pentafluorobenzene	5.562	168	60090	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	125790	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51181	55.216	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.440%			
35) Dibromofluoromethane	5.397	113	37128	46.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.080%			
50) Toluene-d8	8.653	98	155876	50.727	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.085	95	54966	48.395	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.800%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	992	4.679	ug/l	# 73
13) Acrolein	2.245	56	296	2.105	ug/l	97
16) Acetone	2.386	43	35073	86.898	ug/l	95
17) Carbon Disulfide	2.514	76	617	0.342	ug/l	# 75
18) Methyl Acetate	2.703	43	733	0.683	ug/l	# 61
20) Methylene Chloride	2.794	84	3273	3.652	ug/l	# 84
25) 2-Butanone	4.574	43	12619	19.326	ug/l	# 87
29) Tetrahydrofuran	5.032	42	150	0.386	ug/l	# 53
31) Cyclohexane	5.556	56	1582	1.358	ug/l	# 2
36) 1,1-Dichloropropene	5.562	75	5899	5.071	ug/l	# 50
37) Ethyl Acetate	4.574	43	12619	8.850	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	7003	6.155	ug/l	# 15
40) Benzene	6.044	78	756	0.211	ug/l	# 79
43) Isopropyl Acetate	6.354	43	10750	4.609	ug/l	92
48) Methyl methacrylate	7.604	41	3443	3.203	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	36369	26.033	ug/l	# 41
52) Toluene	8.726	92	462	0.204	ug/l	79
54) cis-1,3-Dichloropropene	8.555	75	15878	10.323	ug/l	# 63
57) 1,3-Dichloropropane	9.482	76	8701	5.539	ug/l	# 42
59) 2-Hexanone	9.488	43	116416	110.795	ug/l	# 45
76) 1,2,3-Trichloropropane	11.085	75	29978	27.645	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	29978	65.502	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	1472	0.474	ug/l	78
88) 1,4-Dichlorobenzene	12.049	146	575	0.366	ug/l	# 41
95) Naphthalene	13.780	128	3333	0.970	ug/l	98

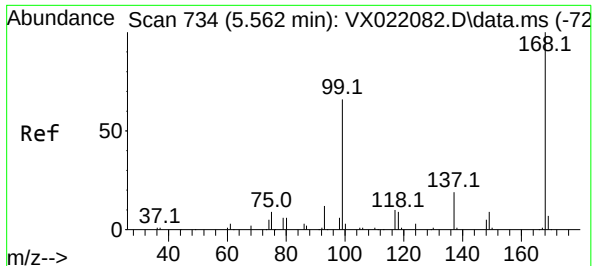
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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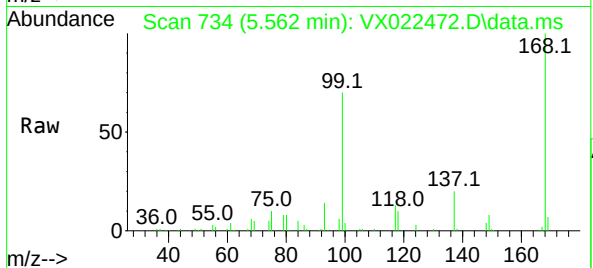
Quant Time: Jun 07 03:24:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
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QLast Update : Wed May 19 14:23:10 2021
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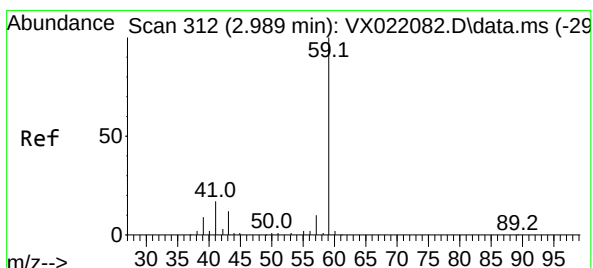
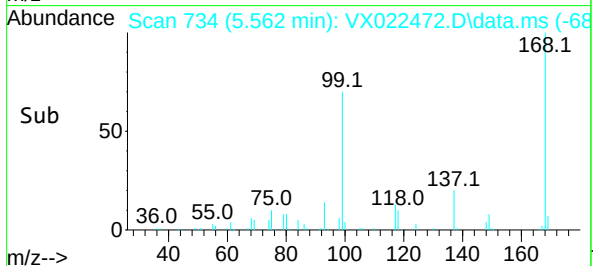
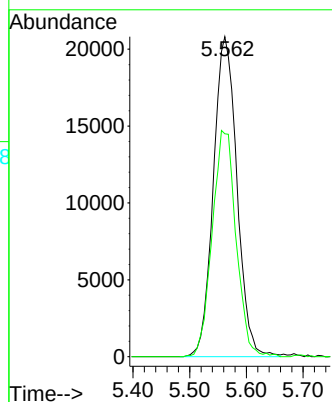


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Instrument :
MSVOA_X
ClientSampleId :

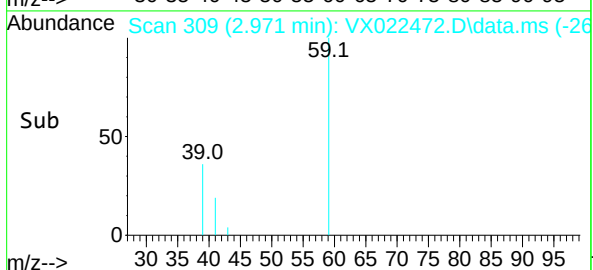
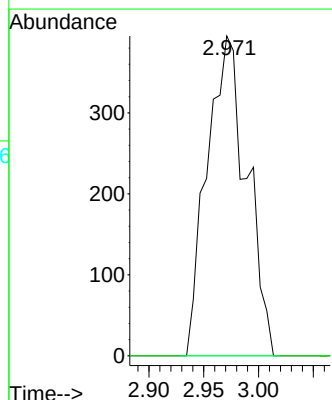
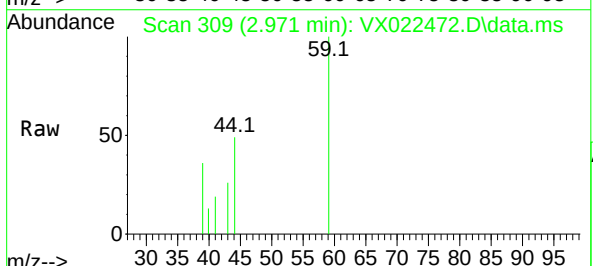


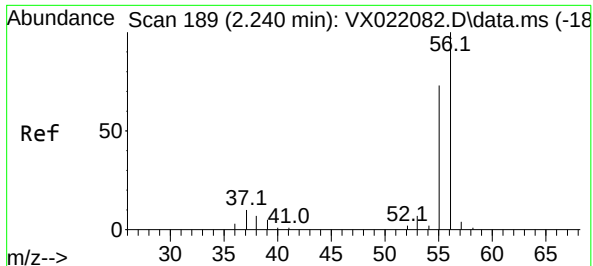
Tgt Ion:168 Resp: 60090
Ion Ratio Lower Upper
168 100
99 69.7 45.8 68.6#



#11
Tert butyl alcohol
Concen: 4.679 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

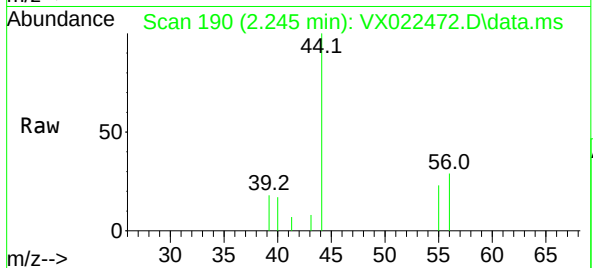
Tgt Ion: 59 Resp: 992
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



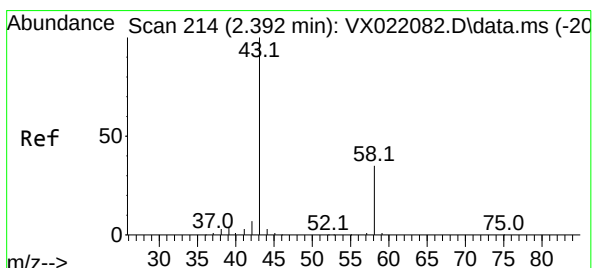
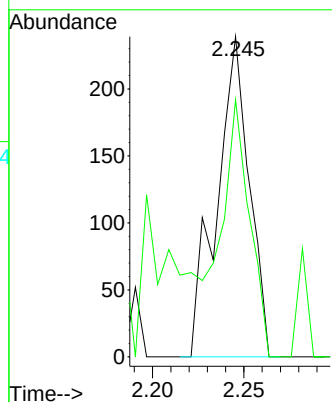
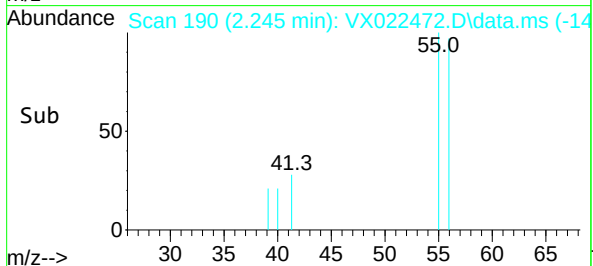


#13
Acrolein
Concen: 2.105 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

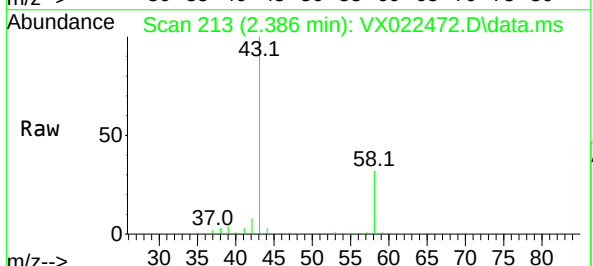
Instrument :
MSVOA_X
ClientSampled :



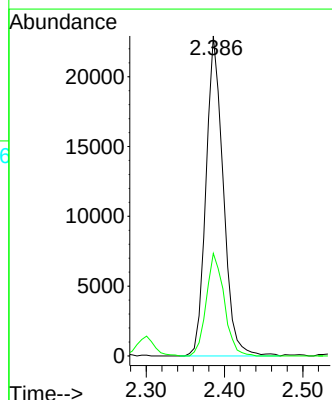
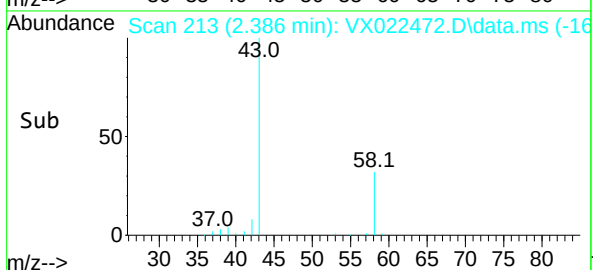
Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 68.2 56.4 84.6

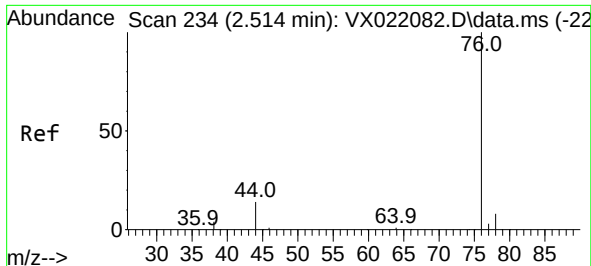


#16
Acetone
Concen: 86.898 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21



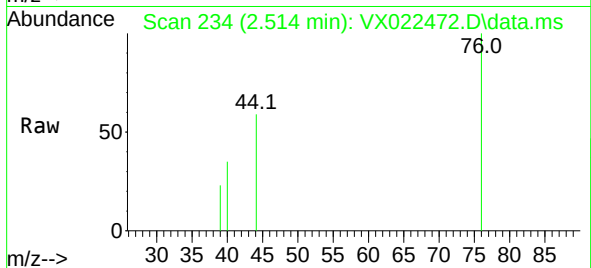
Tgt Ion: 43 Resp: 35073
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8



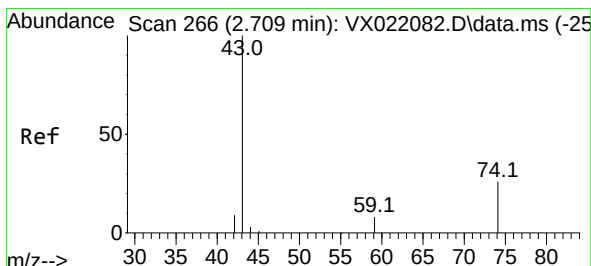
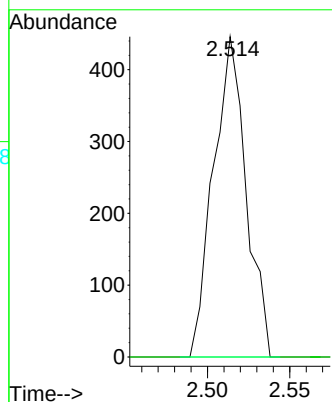
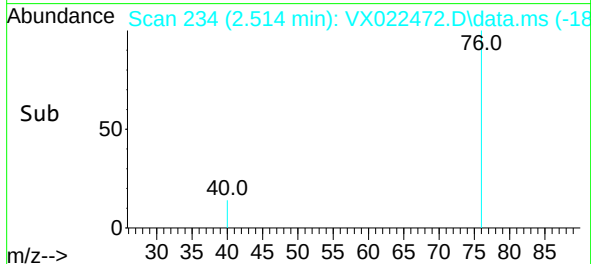


#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

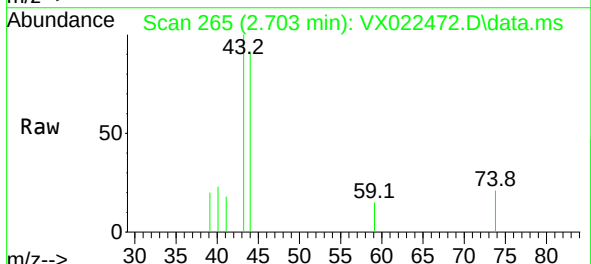
Instrument :
MSVOA_X
ClientSampled :



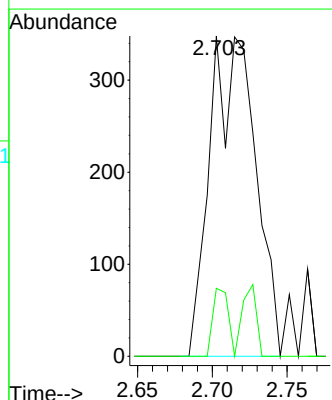
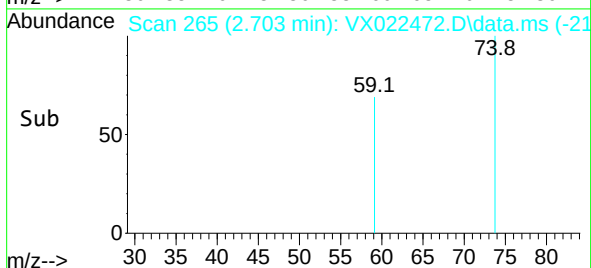
Tgt Ion: 76 Resp: 617
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

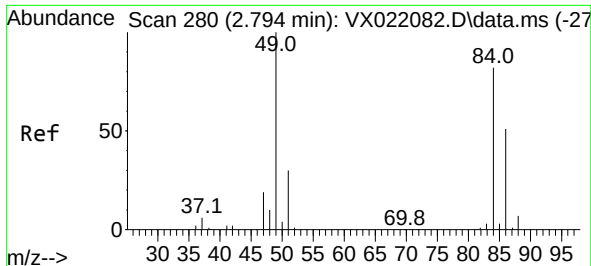


#18
Methyl Acetate
Concen: 0.683 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21



Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
74 7.1 21.9 32.9#





#20

Methylene Chloride

Concen: 3.652 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

Tgt Ion: 84 Resp: 3273

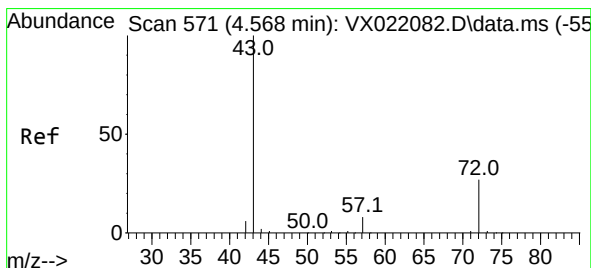
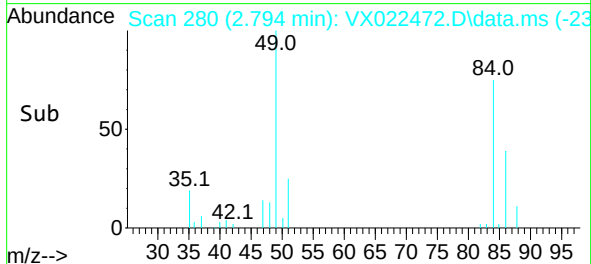
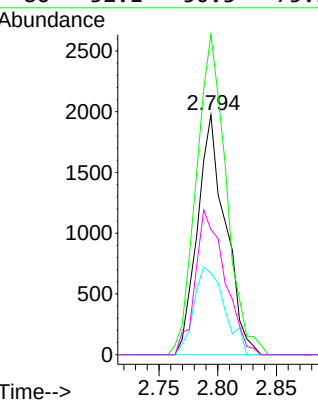
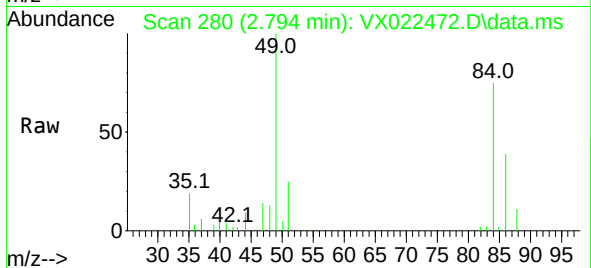
Ion Ratio Lower Upper

84 100

49 133.5 88.6 132.8#

51 33.9 27.0 40.6

86 52.1 50.3 75.5



#25

2-Butanone

Concen: 19.326 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022472.D

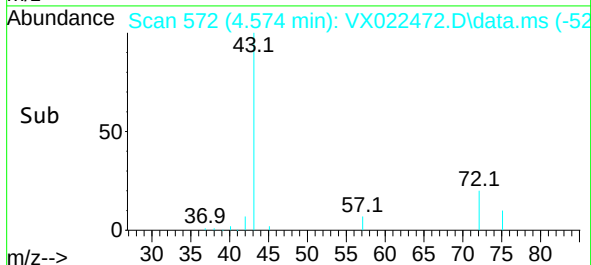
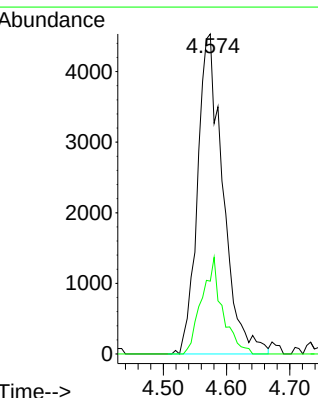
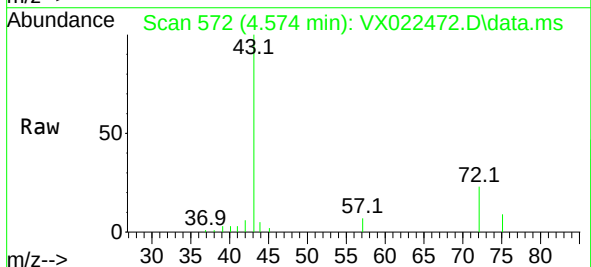
Acq: 05 Jun 2021 15:21

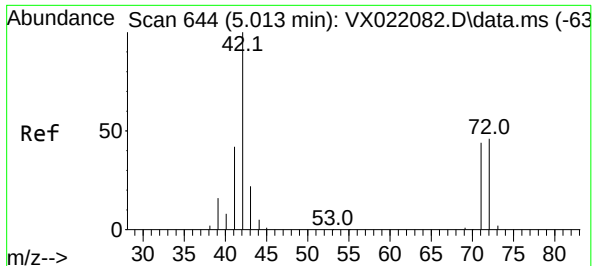
Tgt Ion: 43 Resp: 12619

Ion Ratio Lower Upper

43 100

72 22.8 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 5.032 min Scan# 647

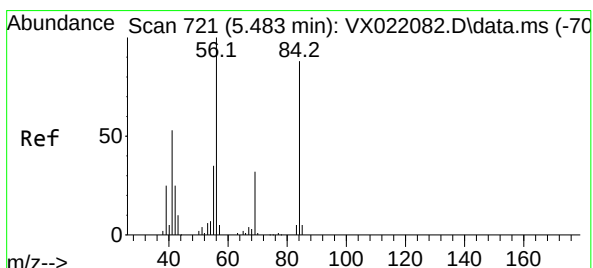
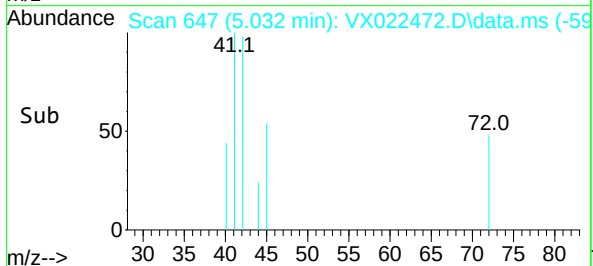
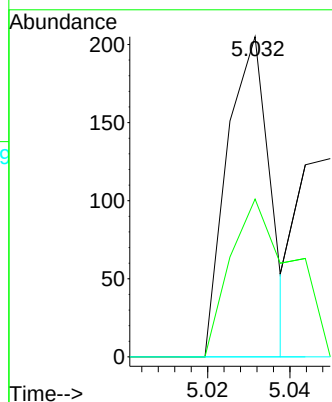
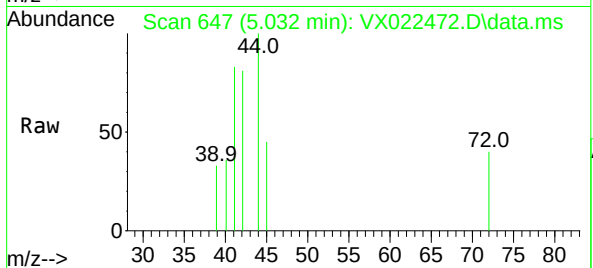
Delta R.T. 0.019 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

Tgt Ion: 42	Resp: 150
Ion Ratio	Lower Upper
42	100
72	70.0 41.7 62.5#
71	0.0 38.4 57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.358 ug/l

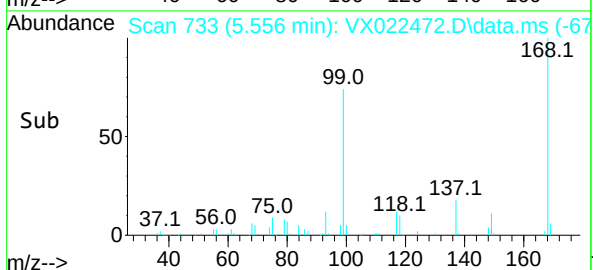
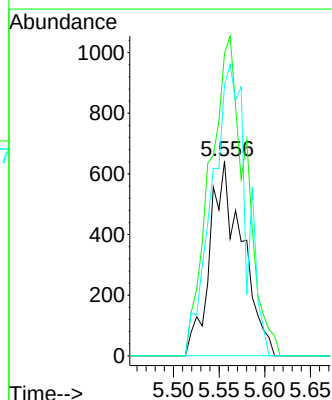
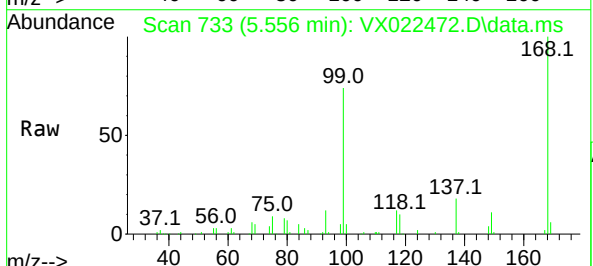
RT: 5.556 min Scan# 733

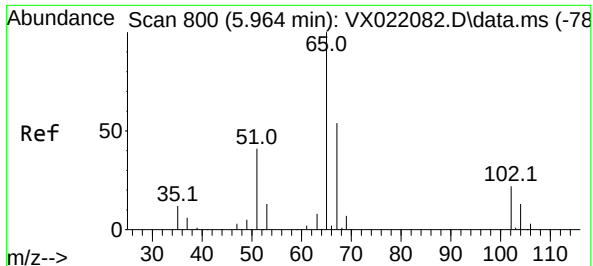
Delta R.T. 0.073 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

Tgt Ion: 56	Resp: 1582
Ion Ratio	Lower Upper
56	100
69	155.1 25.3 37.9#
84	139.0 71.4 107.0#



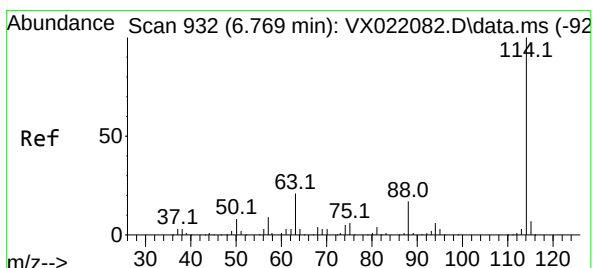
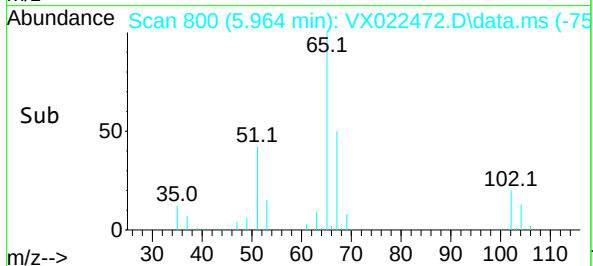
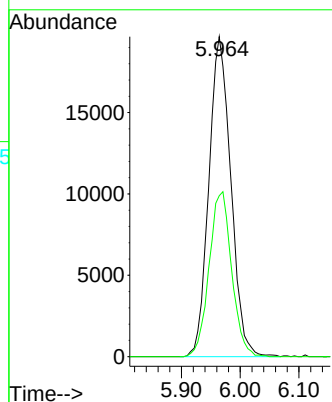
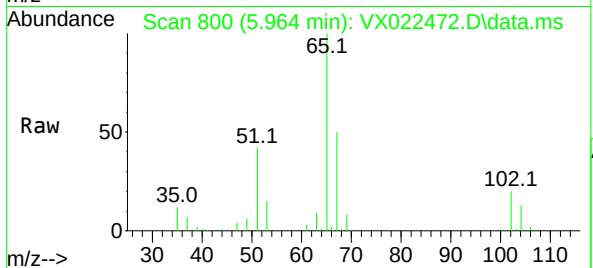


#33

1,2-Dichloroethane-d4
Concen: 55.216 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Instrument :
MSVOA_X
ClientSampleId :

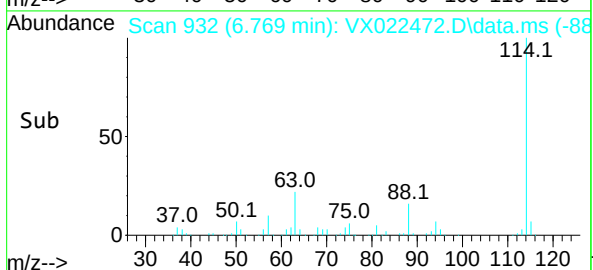
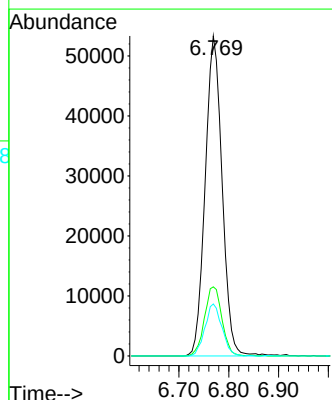
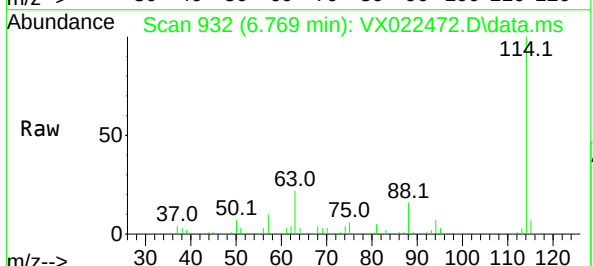
Tgt Ion: 65 Resp: 51181
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

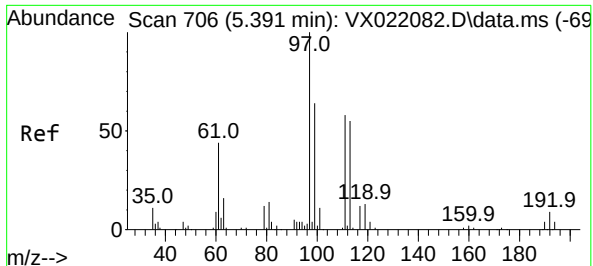


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 114 Resp: 125790
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.544 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

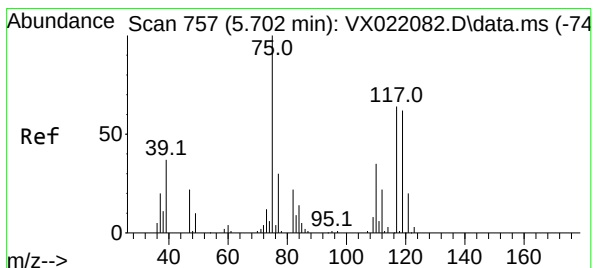
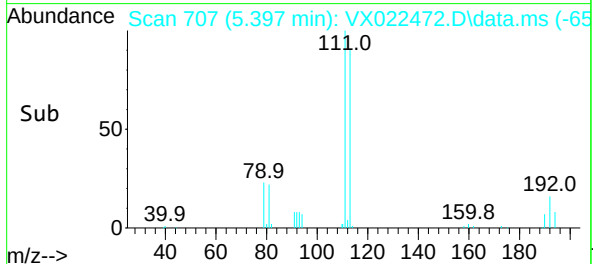
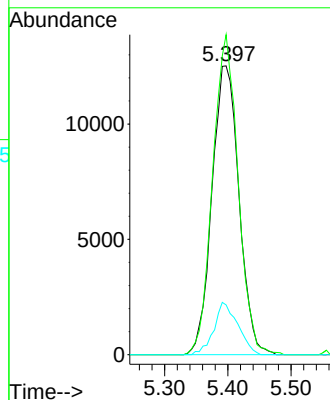
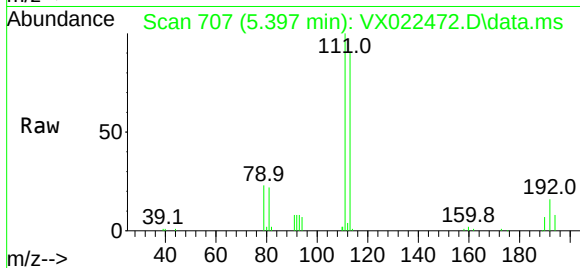
Tgt Ion:113 Resp: 37128

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

192 16.1 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.071 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

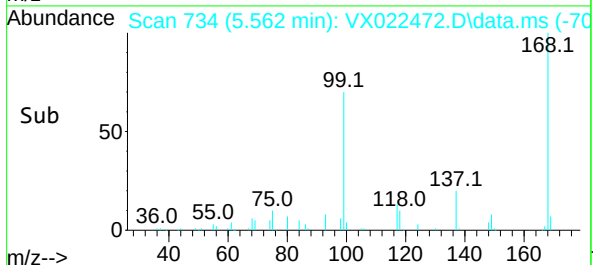
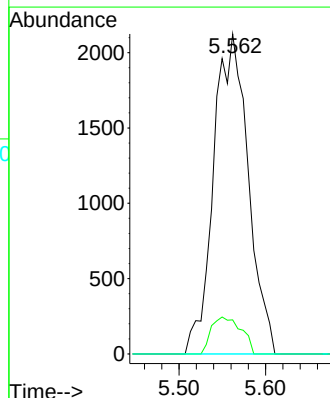
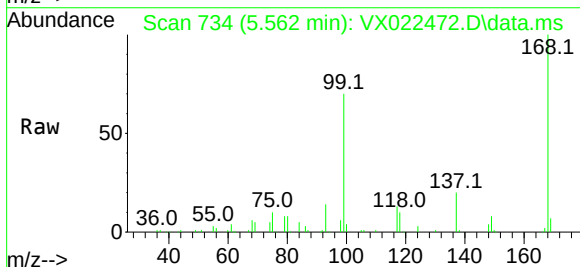
Tgt Ion: 75 Resp: 5899

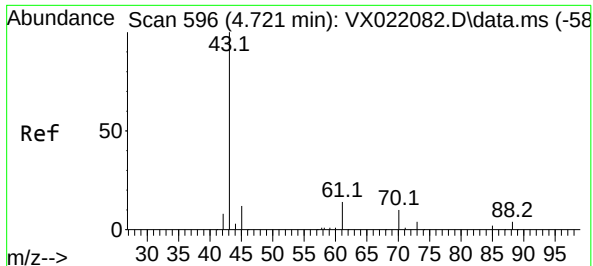
Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 8.850 ug/l

RT: 4.574 min Scan# 572

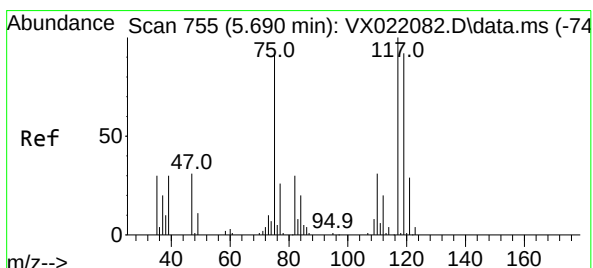
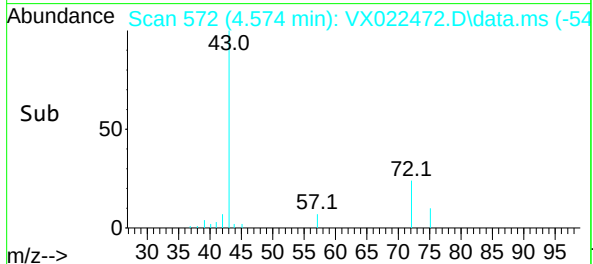
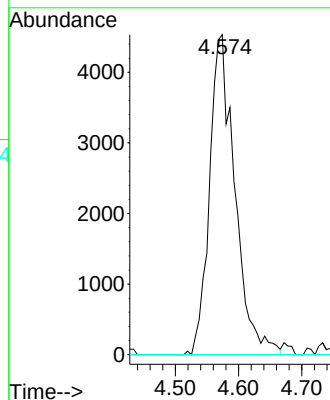
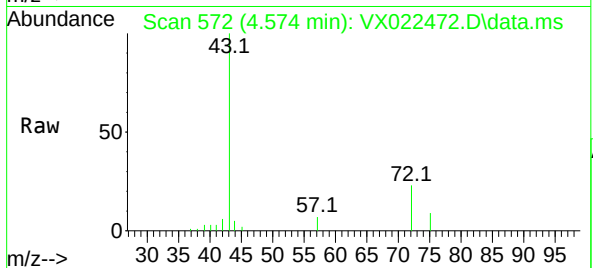
Delta R.T. -0.147 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

Tgt Ion:	43	Resp:	12619
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.155 ug/l

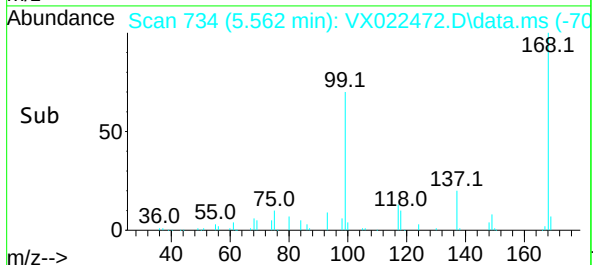
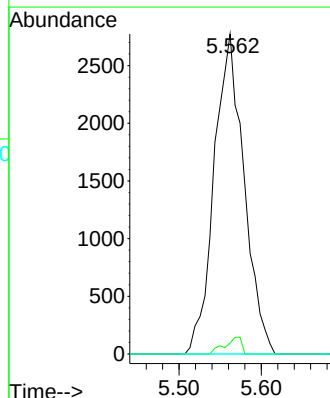
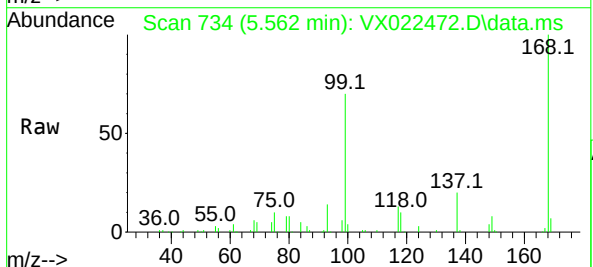
RT: 5.562 min Scan# 734

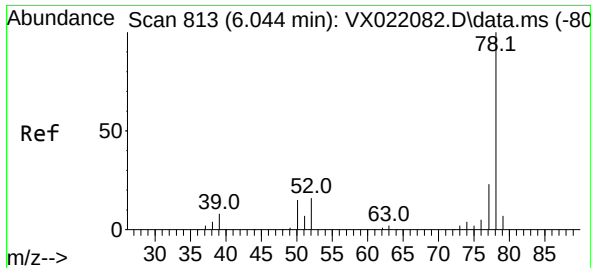
Delta R.T. -0.128 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

Tgt Ion:	117	Resp:	7003
Ion Ratio	Lower	Upper	
117	100		
119	3.4	76.2	114.2#
121	0.0	24.8	37.2#

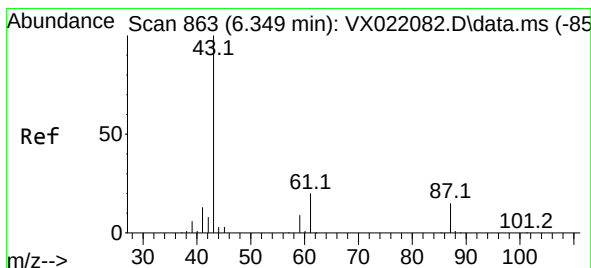
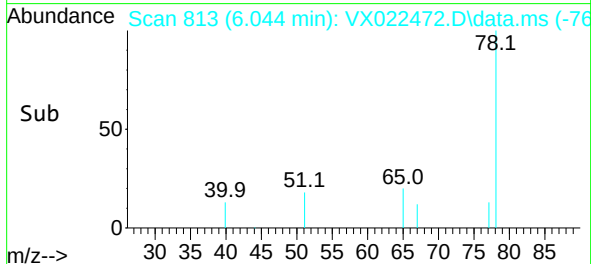
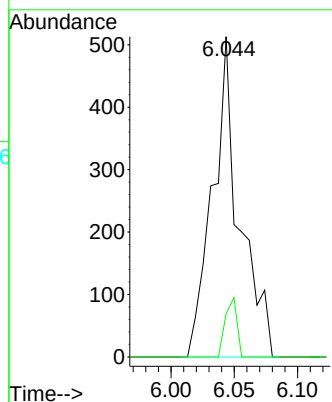
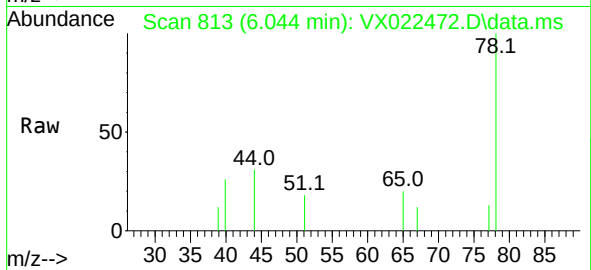




#40
Benzene
Concen: 0.211 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

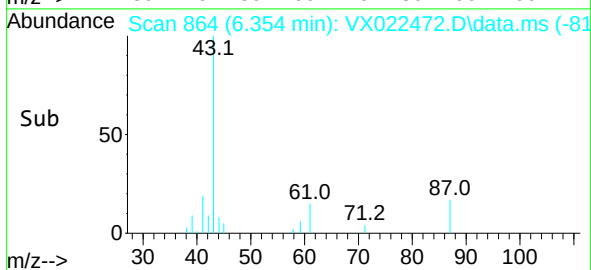
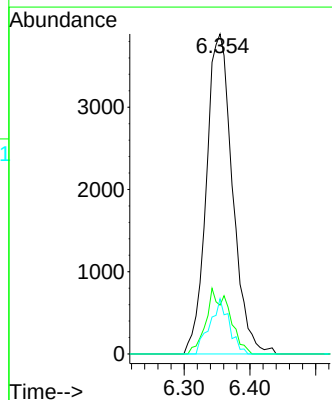
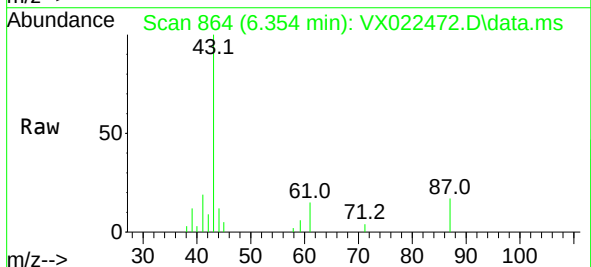
Instrument :
MSVOA_X
ClientSampled :

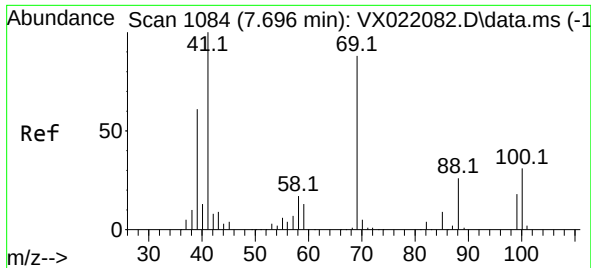
Tgt Ion: 78 Resp: 756
Ion Ratio Lower Upper
78 100
77 13.5 18.9 28.3#



#43
Isopropyl Acetate
Concen: 4.609 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 43 Resp: 10750
Ion Ratio Lower Upper
43 100
61 18.3 18.2 27.4
87 12.9 12.5 18.7

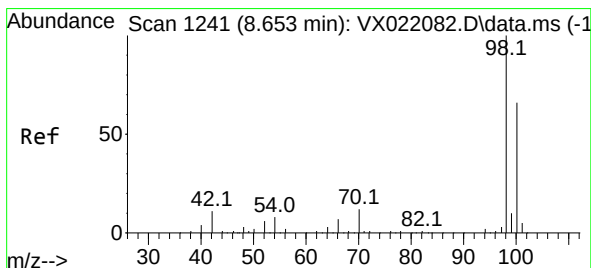
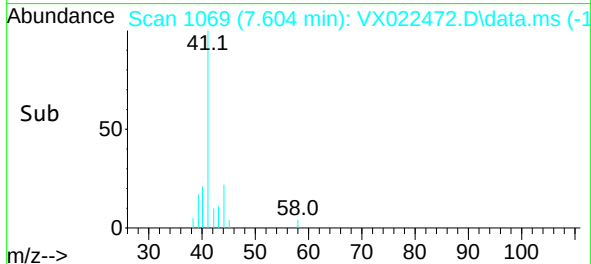
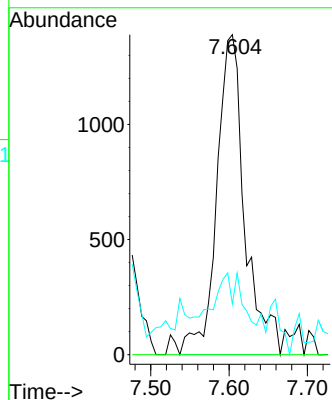
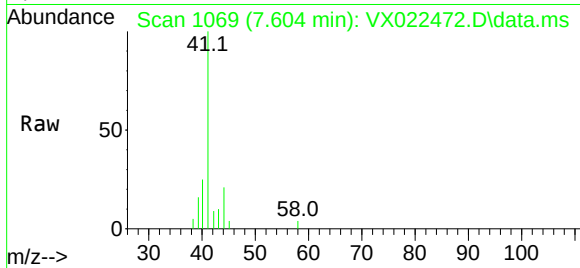




#48
Methyl methacrylate
Concen: 3.203 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

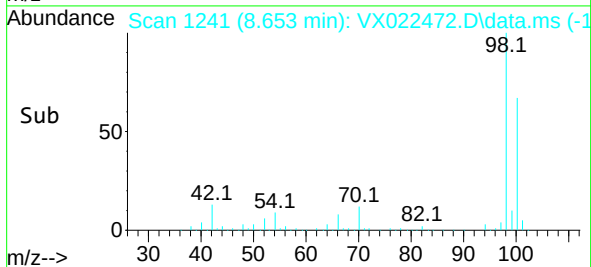
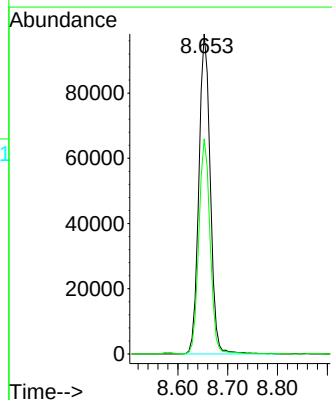
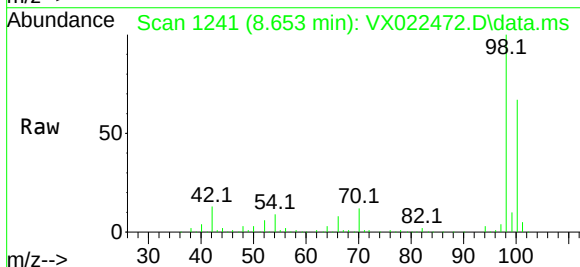
Instrument :
MSVOA_X
ClientSampled :

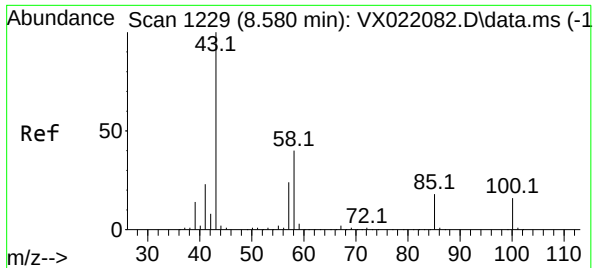
Tgt Ion: 41 Resp: 3443
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 50.727 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 98 Resp: 155876
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9

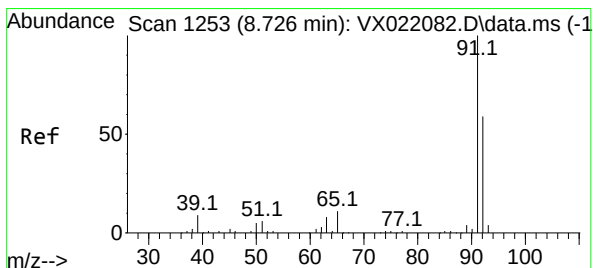
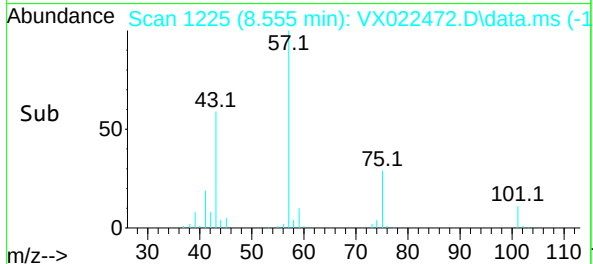
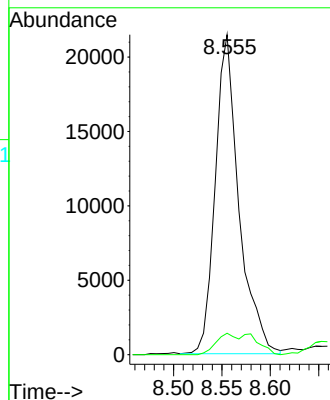
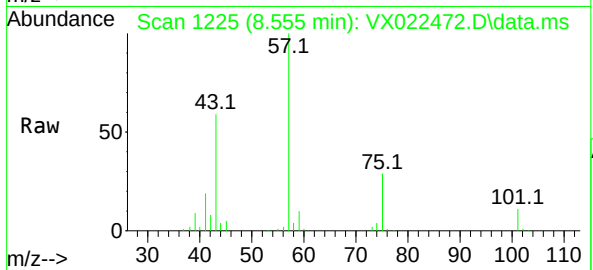




#51
4-Methyl-2-Pentanone
Concen: 26.033 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

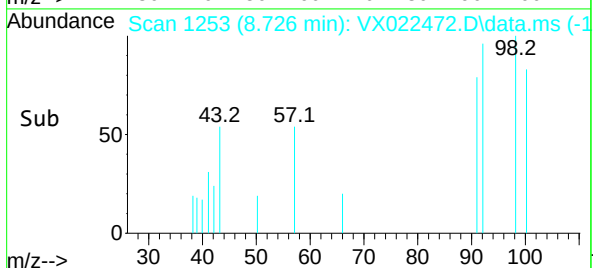
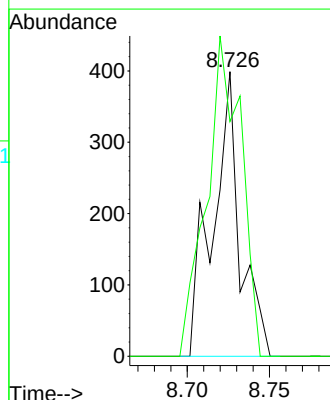
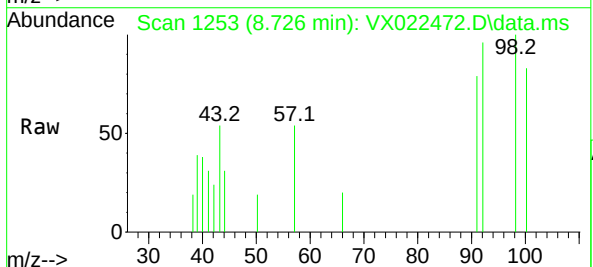
Instrument :
MSVOA_X
ClientSampled :

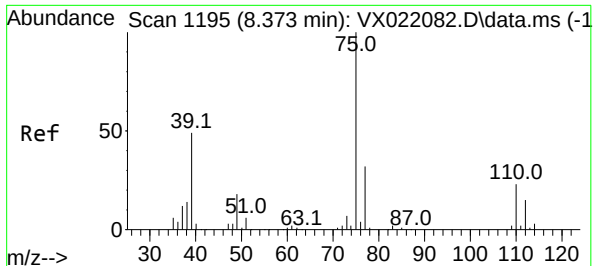
Tgt Ion: 43 Resp: 36369
Ion Ratio Lower Upper
43 100
58 6.2 35.4 53.0#



#52
Toluene
Concen: 0.204 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 92 Resp: 462
Ion Ratio Lower Upper
92 100
91 142.0 137.1 205.7

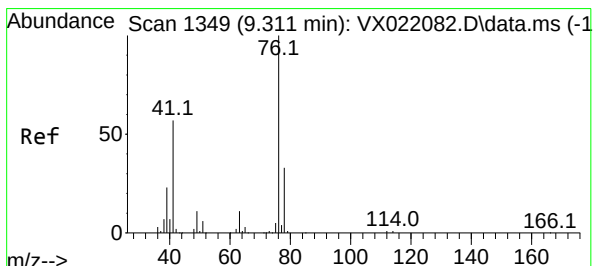
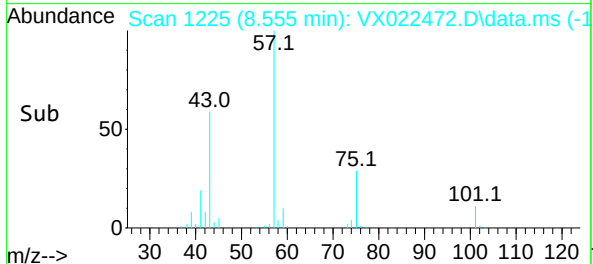
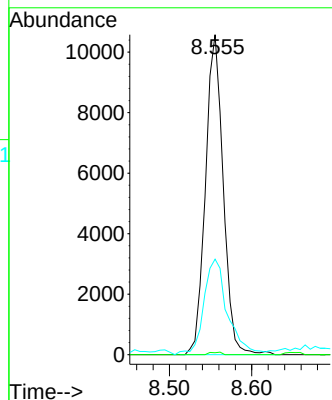
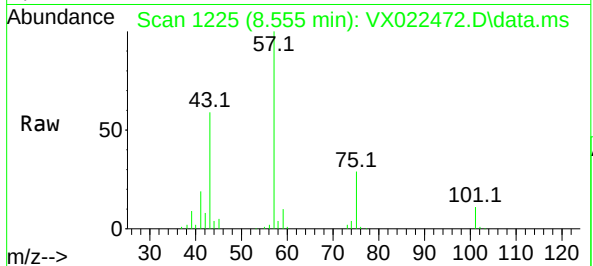




#54
cis-1,3-Dichloropropene
Concen: 10.323 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

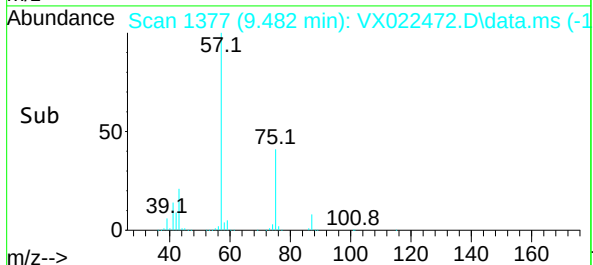
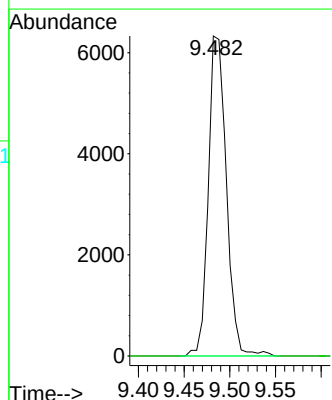
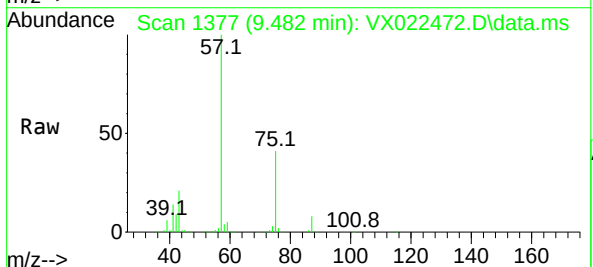
Instrument :
MSVOA_X
ClientSampled :

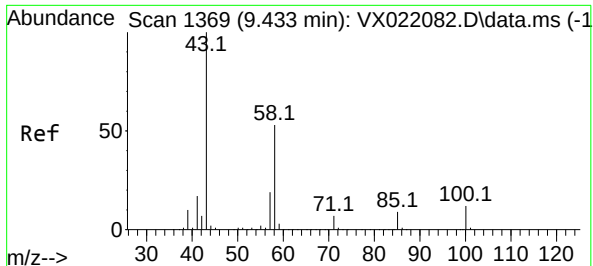
Tgt Ion: 75 Resp: 15878
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 28.9 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.539 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 76 Resp: 8701
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

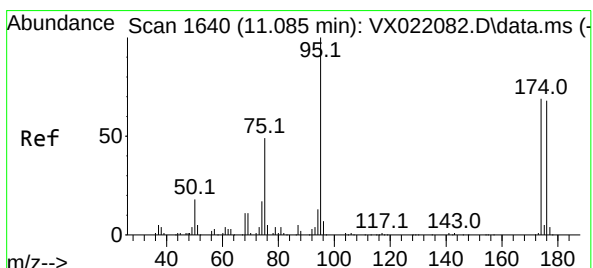
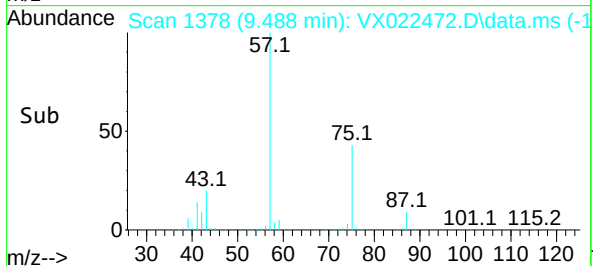
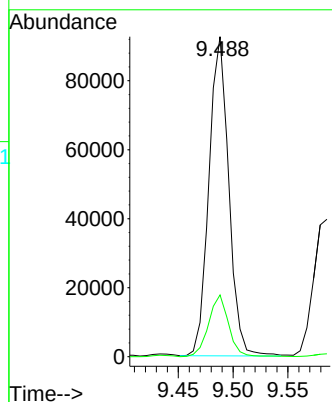
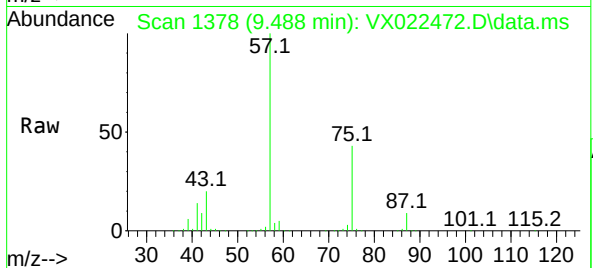




#59
2-Hexanone
Concen: 110.795 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

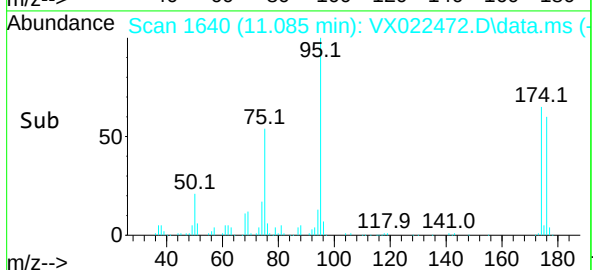
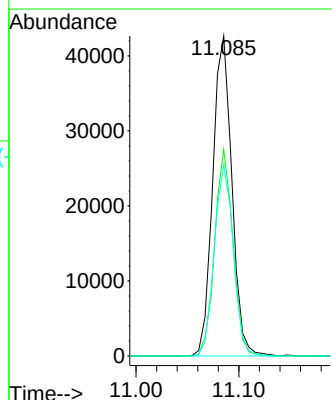
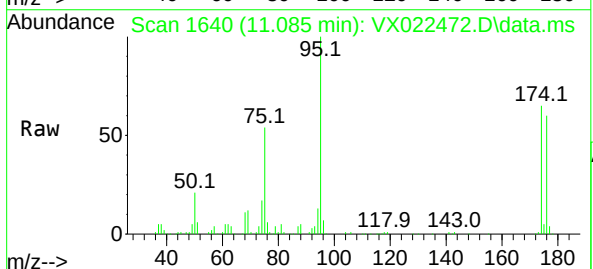
Instrument :
MSVOA_X
ClientSampled :

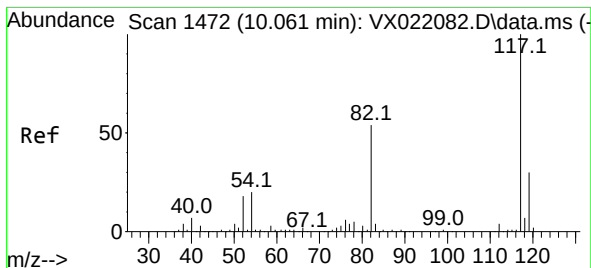
Tgt Ion: 43 Resp: 116416
Ion Ratio Lower Upper
43 100
58 19.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.395 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 95 Resp: 54966
Ion Ratio Lower Upper
95 100
174 61.7 0.0 154.6
176 59.1 0.0 155.8

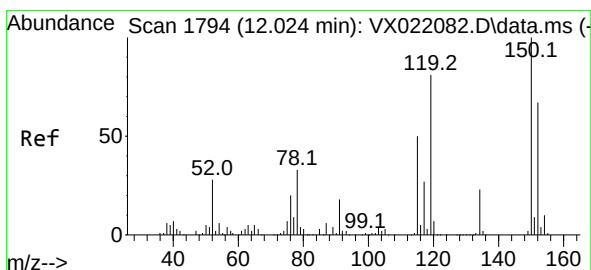
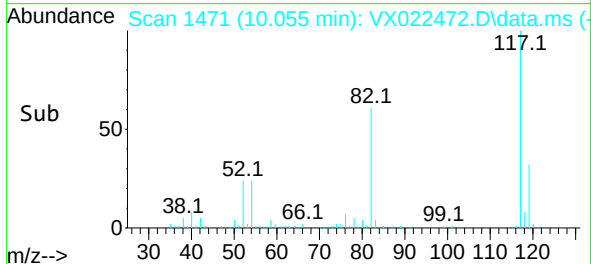
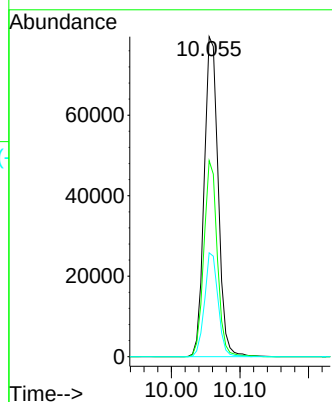
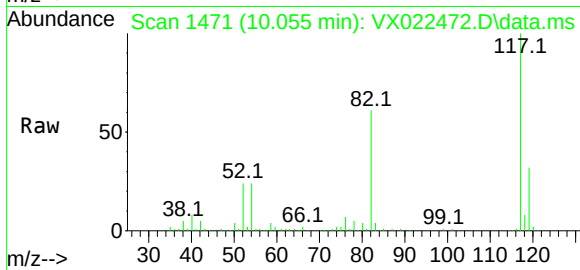




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

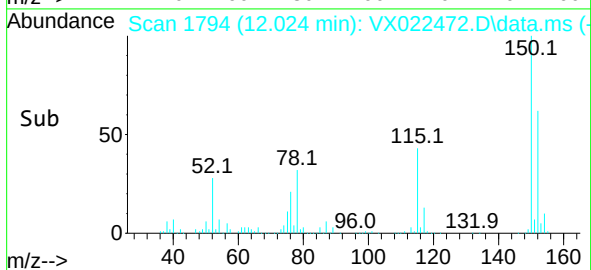
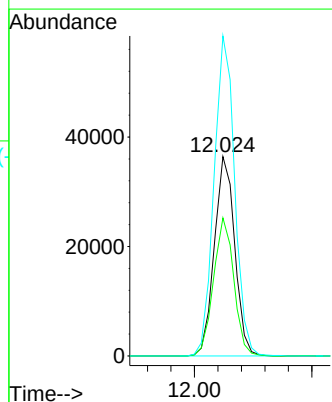
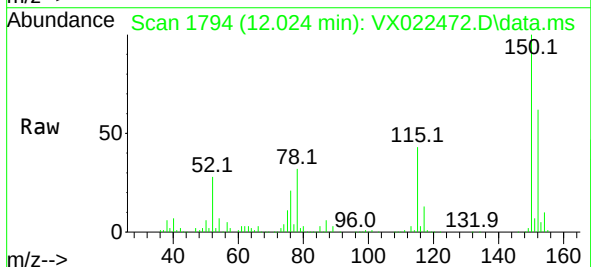
Instrument :
MSVOA_X
ClientSampled :

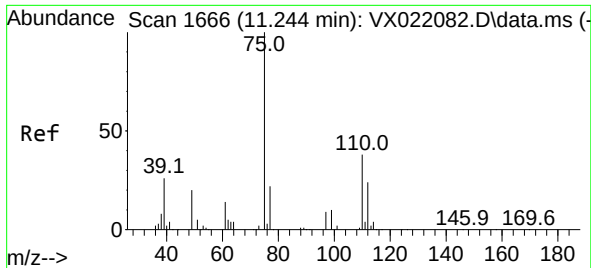
Tgt Ion:117 Resp: 113074
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion:152 Resp: 43955
Ion Ratio Lower Upper
152 100
115 68.9 41.1 123.3
150 161.8 0.0 349.0

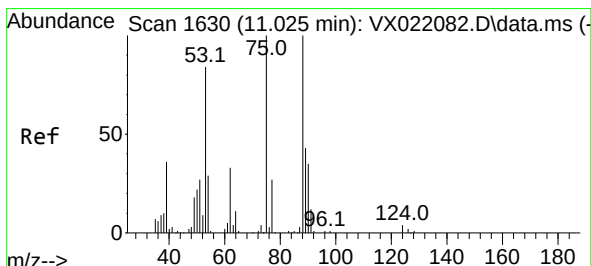
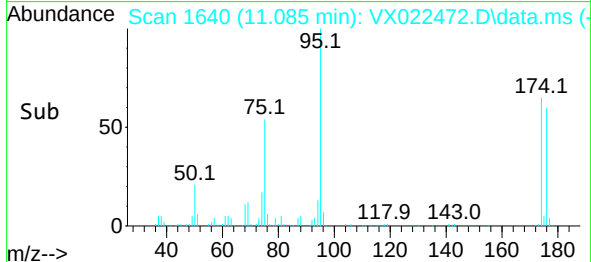
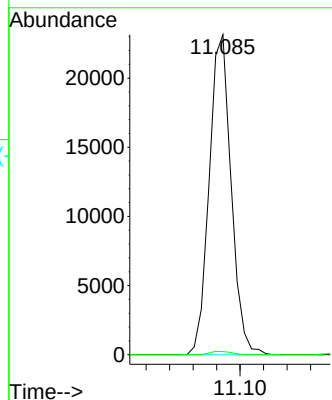
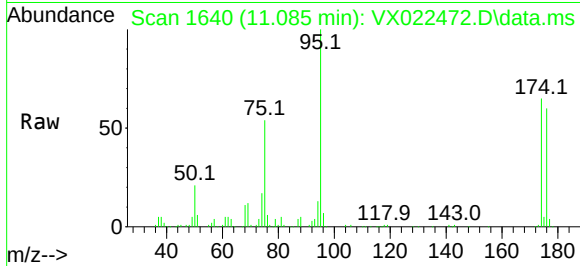




#76
1,2,3-Trichloropropane
Concen: 27.645 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

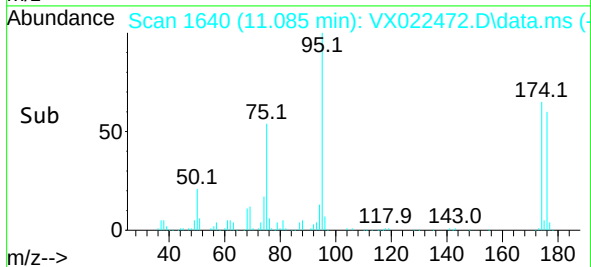
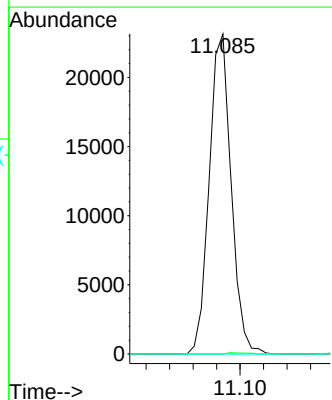
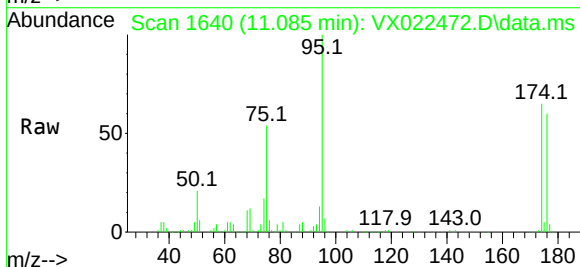
Instrument :
MSVOA_X
ClientSampled :

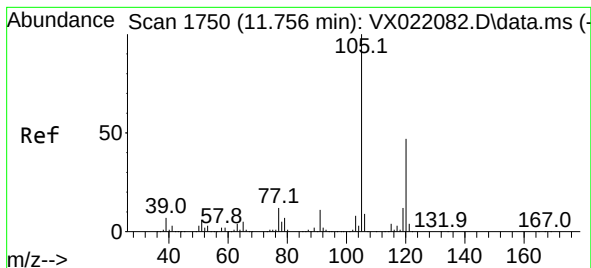
Tgt Ion: 75 Resp: 29978
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.502 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Tgt Ion: 75 Resp: 29978
Ion Ratio Lower Upper
75 100
53 0.3 74.5 111.7#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.474 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX022472.D

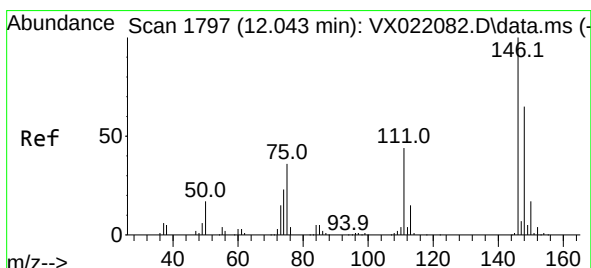
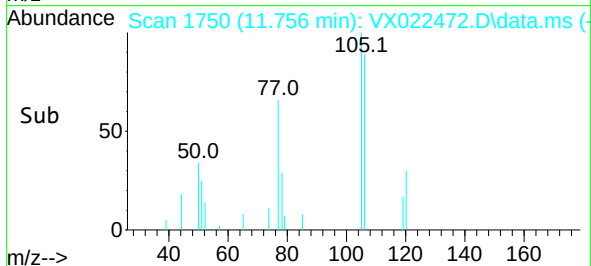
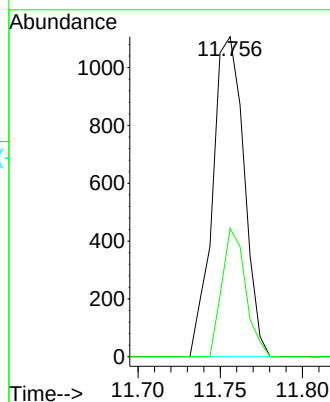
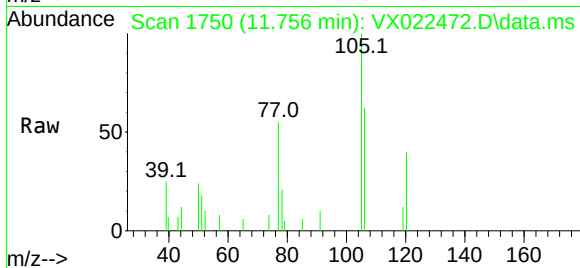
Acq: 05 Jun 2021 15:21

Tgt Ion:105 Resp: 1472

Ion Ratio Lower Upper

105 100

120 30.2 22.4 67.3



#88

1,4-Dichlorobenzene

Concen: 0.366 ug/l

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VX022472.D

Acq: 05 Jun 2021 15:21

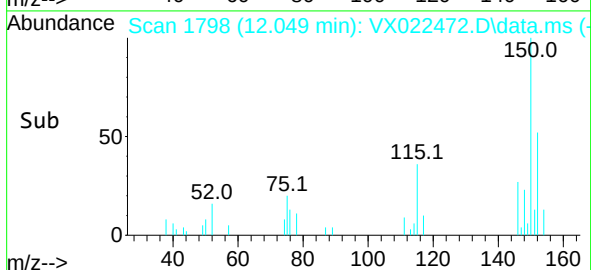
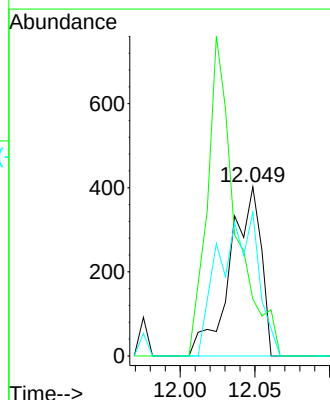
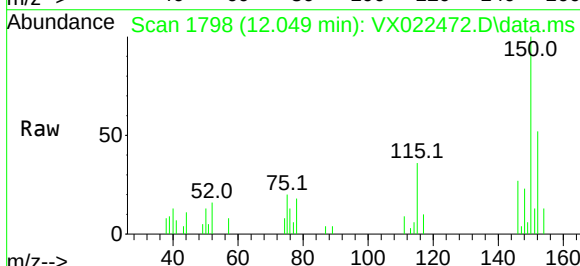
Tgt Ion:146 Resp: 575

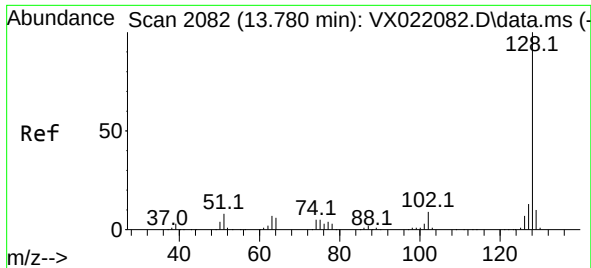
Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.8#

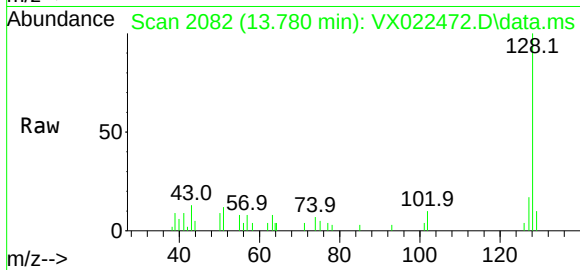
148 107.1 31.6 95.0#





#95
Naphthalene
Concen: 0.970 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022472.D
Acq: 05 Jun 2021 15:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3333
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 9.5 8.8 13.2

