

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024749.D
 Acq On : 12 Oct 2021 07:18
 Operator : JC/MD
 Sample : M4158-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:12:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

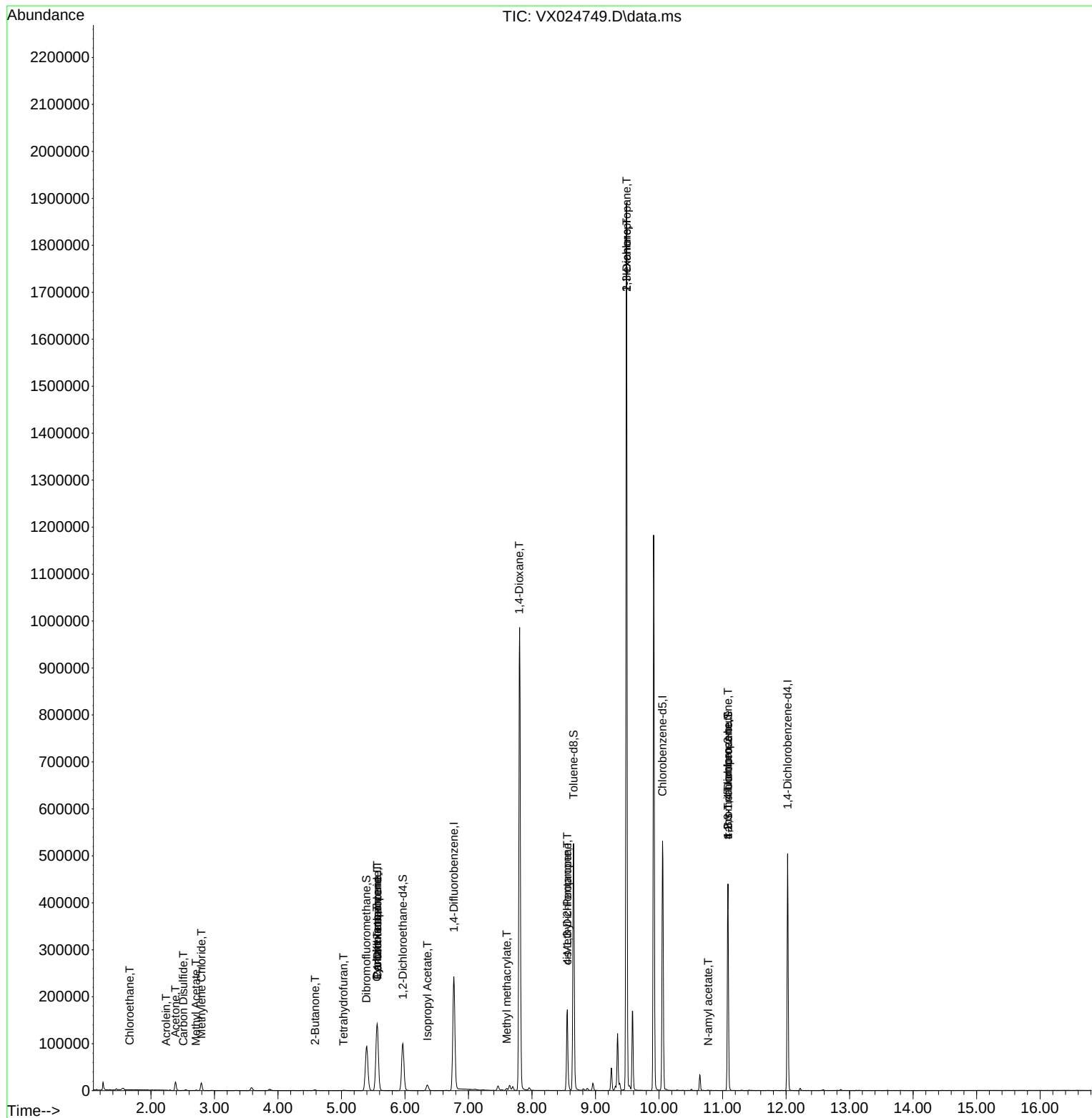
Internal Standards						
1) Pentafluorobenzene	5.562	168	132064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	232907	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102999	55.338	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.680%			
35) Dibromofluoromethane	5.391	113	80632	52.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	8.653	98	298250	52.373	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.740%			
62) 4-Bromofluorobenzene	11.085	95	109946	49.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.200%			
Target Compounds					Qvalue	
6) Chloroethane	1.666	64	171	0.453	ug/l #	43
11) Tert butyl alcohol	2.953	59	517	Below Cal	#	73
13) Acrolein	2.239	56	19	10.239	ug/l #	14
16) Acetone	2.386	43	19377	15.147	ug/l	100
17) Carbon Disulfide	2.508	76	160	0.279	ug/l #	75
18) Methyl Acetate	2.709	43	1499	0.538	ug/l #	76
20) Methylene Chloride	2.794	84	7042	4.004	ug/l #	85
25) 2-Butanone	4.586	43	2929	2.285	ug/l #	69
29) Tetrahydrofuran	5.032	42	457	0.560	ug/l #	75
31) Cyclohexane	5.556	56	2974	1.334	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10602	4.748	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13625	5.606	ug/l #	16
43) Isopropyl Acetate	6.354	43	16353	3.859	ug/l	92
48) Methyl methacrylate	7.604	41	5782	2.755	ug/l #	10
49) 1,4-Dioxane	7.799	88	111	2.309	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60254	21.536	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25494	9.772	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	15030	5.224	ug/l #	42
59) 2-Hexanone	9.488	43	222191	100.842	ug/l #	43
74) N-amyl acetate	10.774	43	812	0.252	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	59141	26.233	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	59141	71.440	ug/l #	12

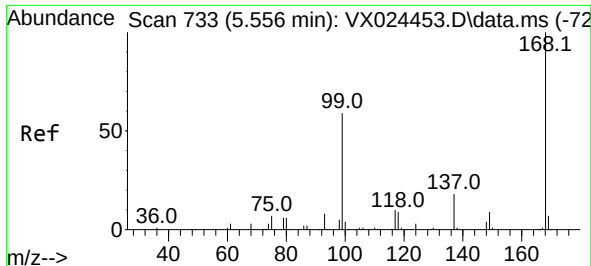
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Oct 12 08:12:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

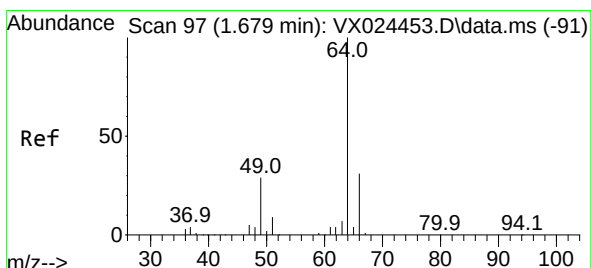
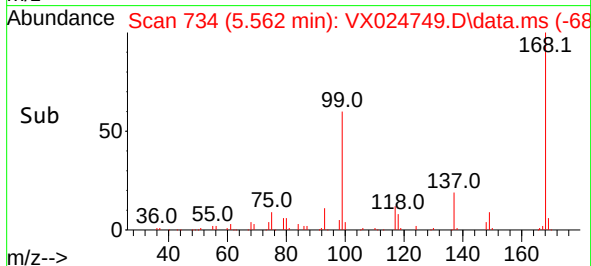
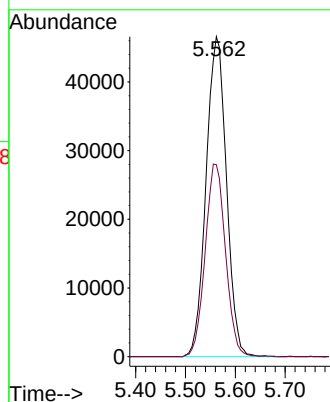
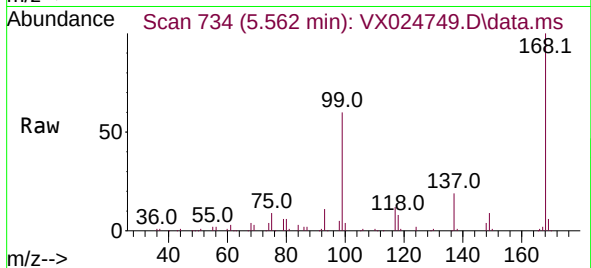




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

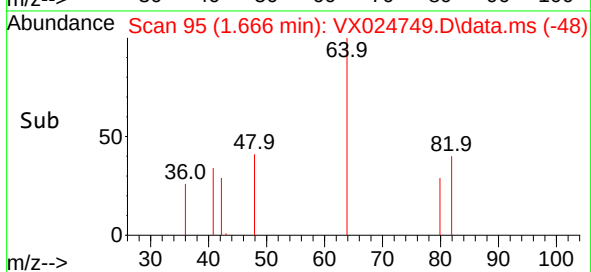
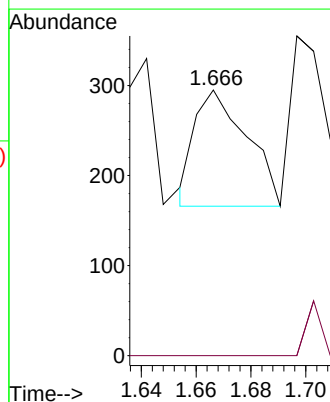
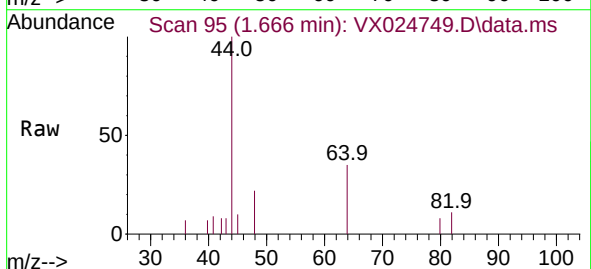
Instrument :
MSVOA_X
ClientSampled :

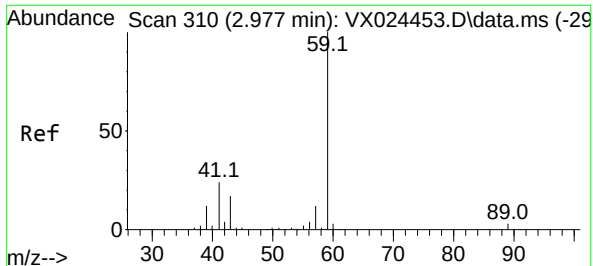
Tgt Ion:168 Resp: 132064
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#6
Chloroethane
Concen: 0.453 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



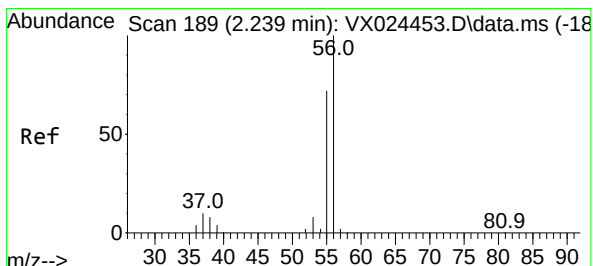
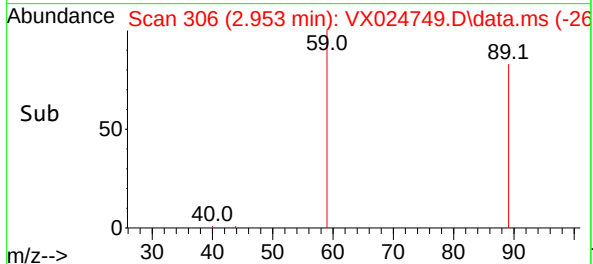
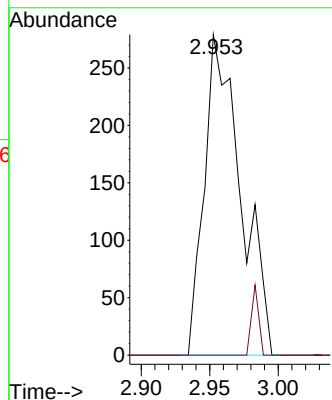
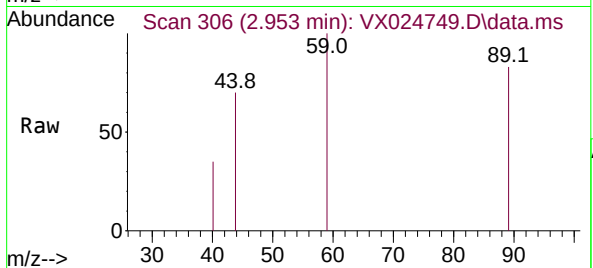


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Instrument :
MSVOA_X
ClientSampled :

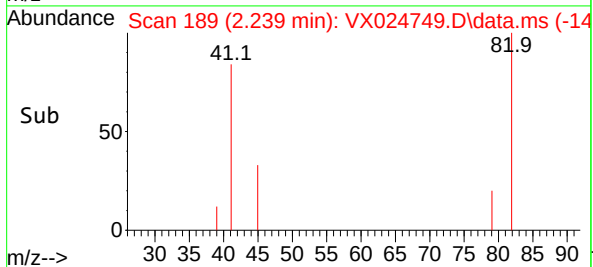
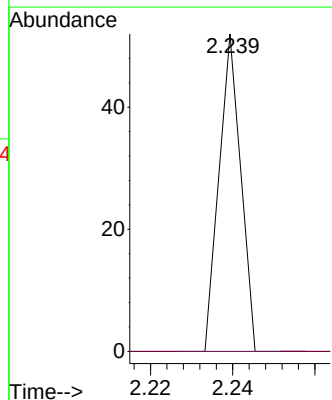
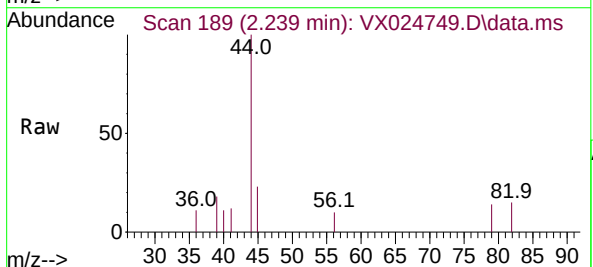
Tgt Ion: 59 Resp: 517
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

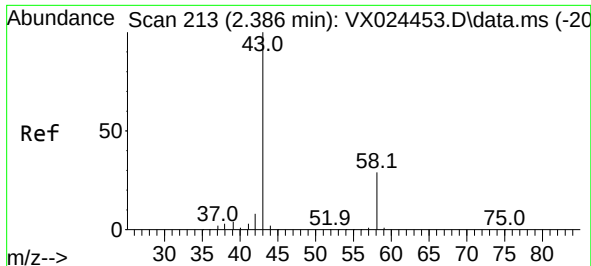


#13

Acrolein
Concen: 10.239 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

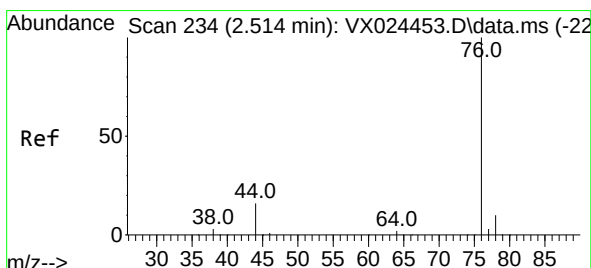
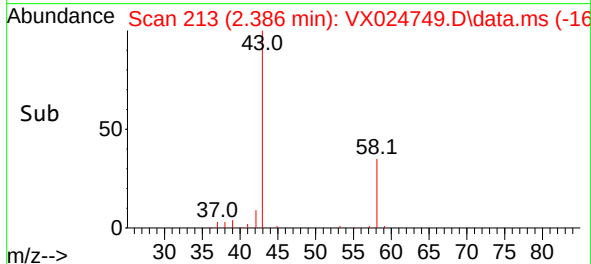
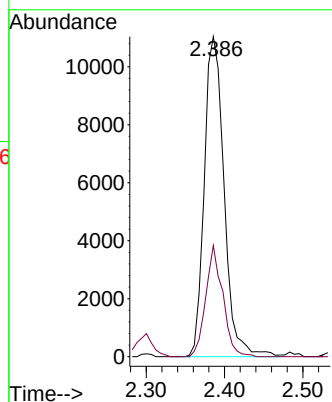
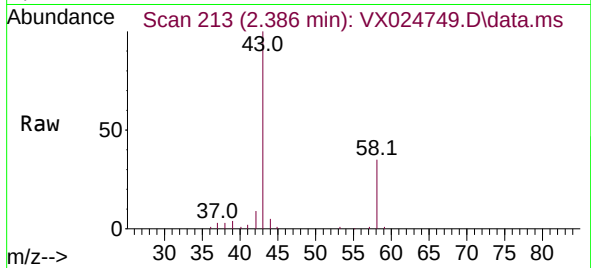




#16
Acetone
Concen: 15.147 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

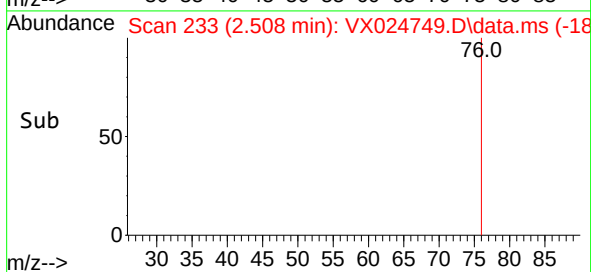
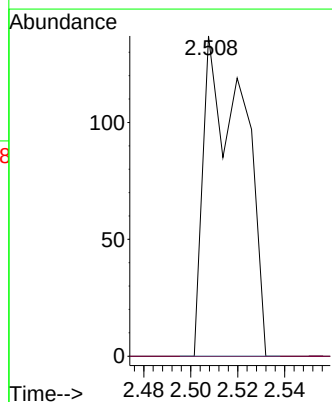
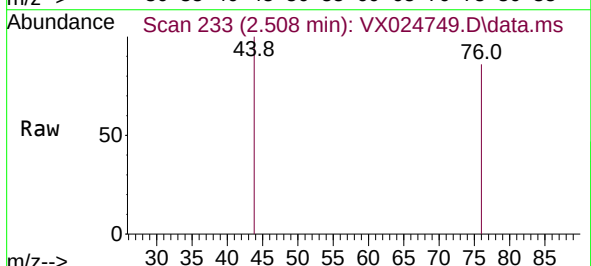
Instrument :
MSVOA_X
ClientSampleId :

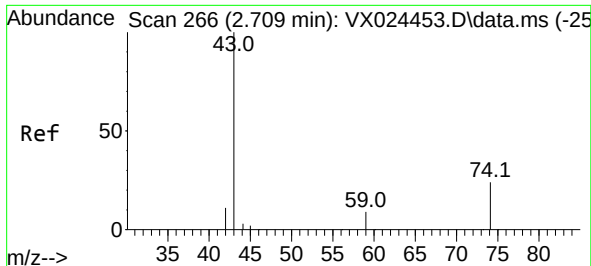
Tgt Ion: 43 Resp: 19377
Ion Ratio Lower Upper
43 100
58 34.7 27.8 41.8



#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 76 Resp: 160
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

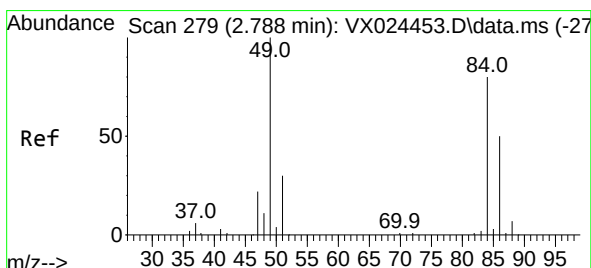
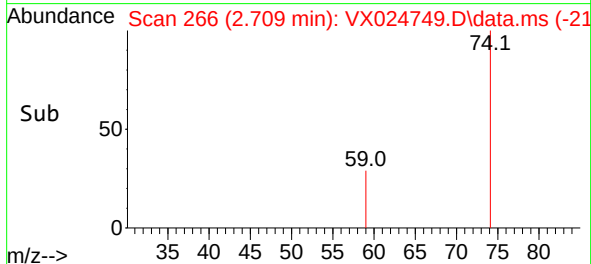
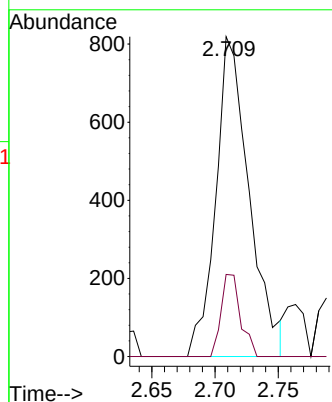
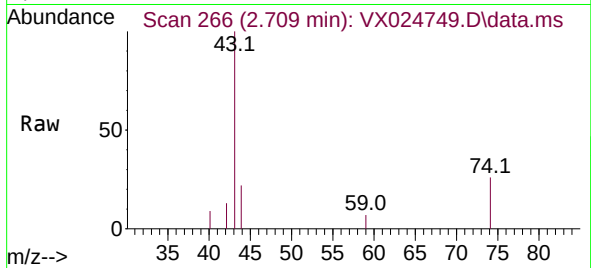




#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

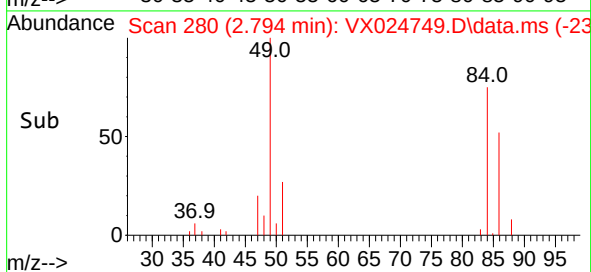
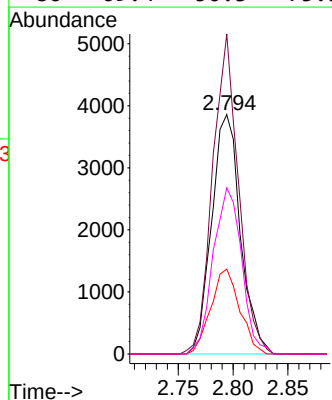
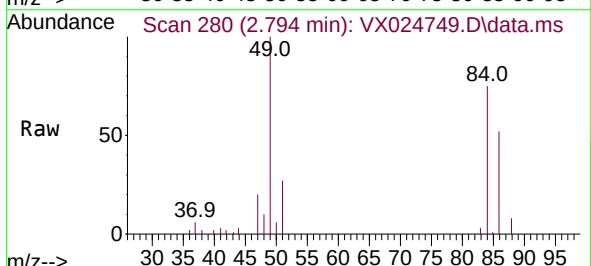
Instrument :
MSVOA_X
ClientSampled :

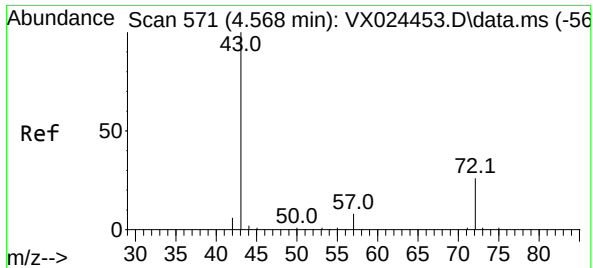
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
74 14.9 21.9 32.9#



#20
Methylene Chloride
Concen: 4.004 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 84 Resp: 7042
Ion Ratio Lower Upper
84 100
49 133.7 88.6 132.8#
51 35.5 27.0 40.6
86 69.4 50.3 75.5

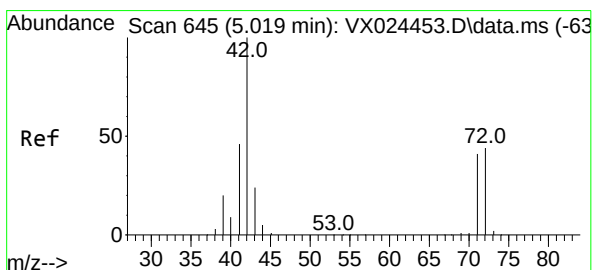
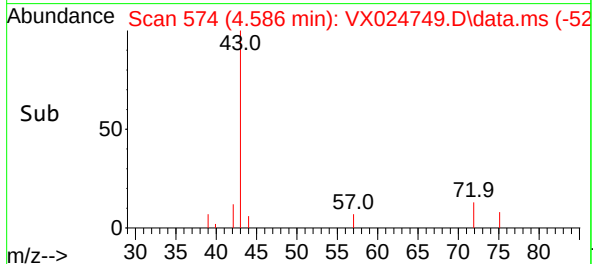
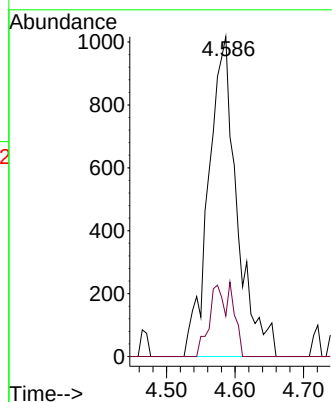
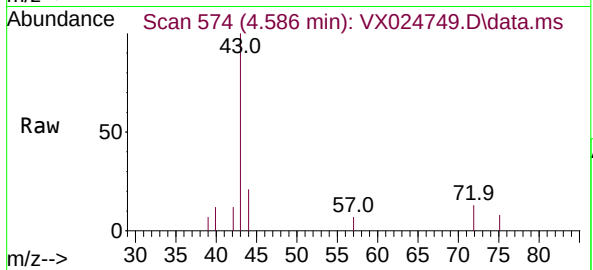




#25
2-Butanone
Concen: 2.285 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

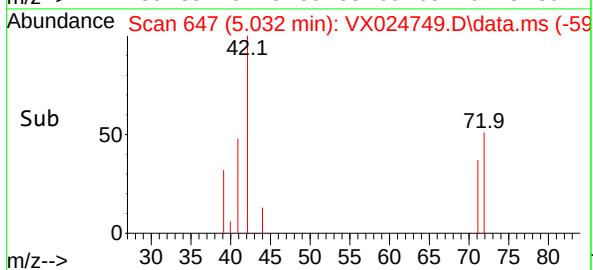
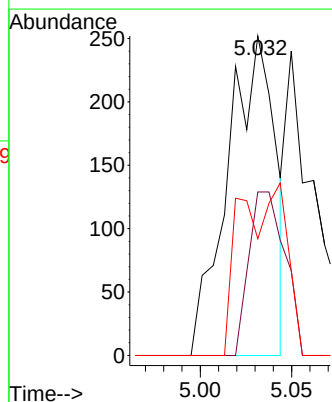
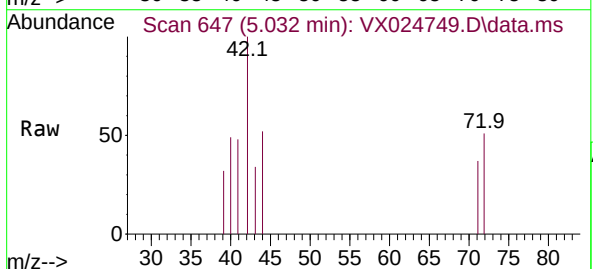
Instrument :
MSVOA_X
ClientSampled :

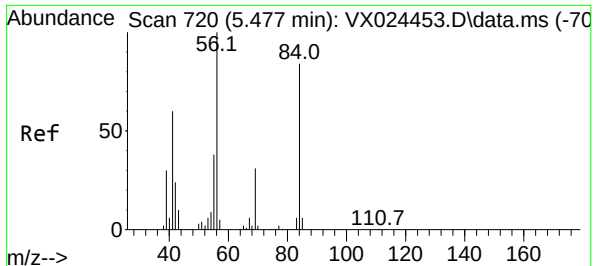
Tgt Ion: 43 Resp: 2929
Ion Ratio Lower Upper
43 100
72 12.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.560 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 42 Resp: 457
Ion Ratio Lower Upper
42 100
72 38.5 41.7 62.5#
71 27.1 38.4 57.6#

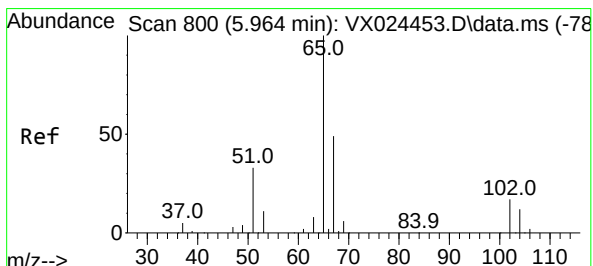
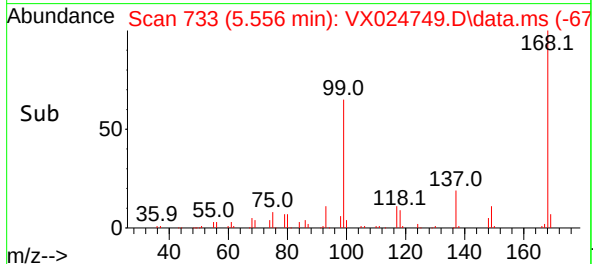
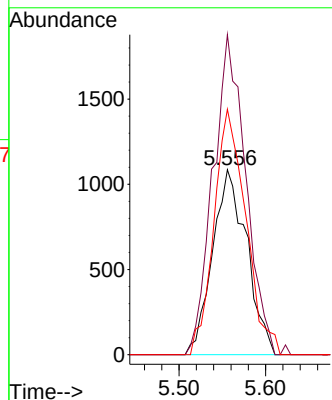
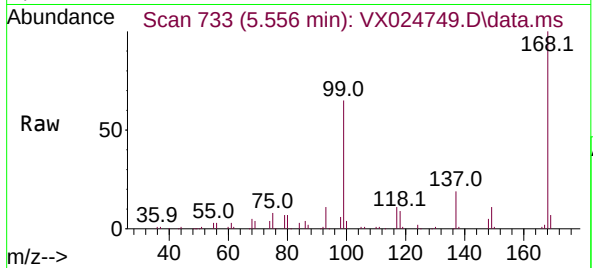




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

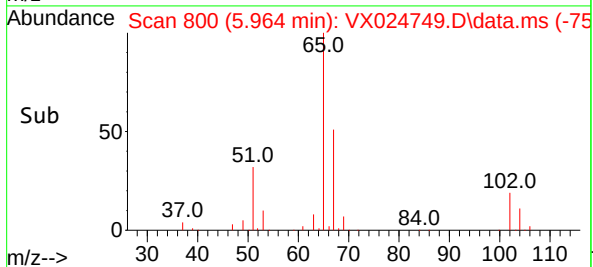
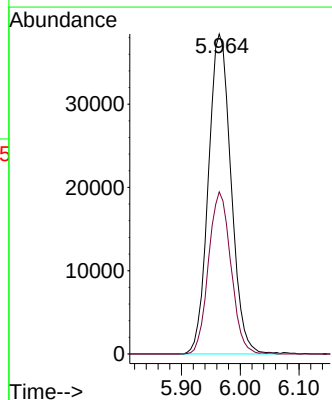
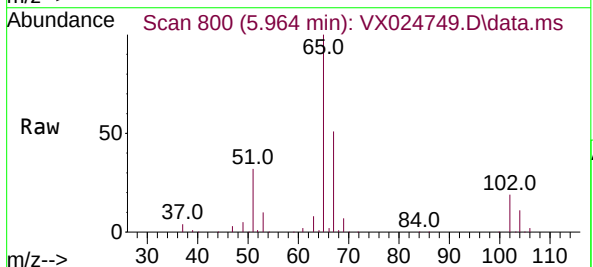
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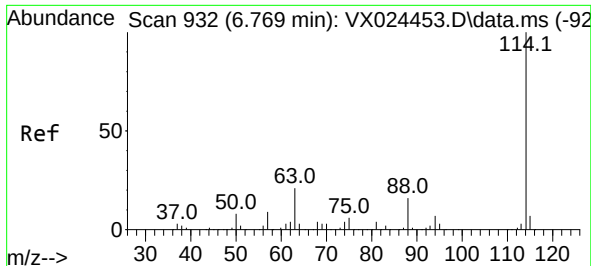
Tgt Ion: 56 Resp: 2974
Ion Ratio Lower Upper
56 100
69 172.9 25.3 37.9#
84 132.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 55.338 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 65 Resp: 102999
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

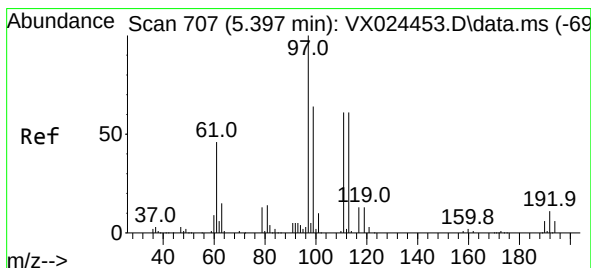
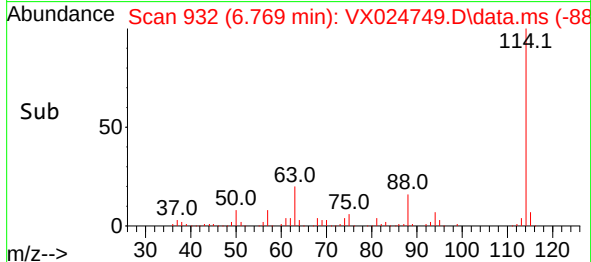
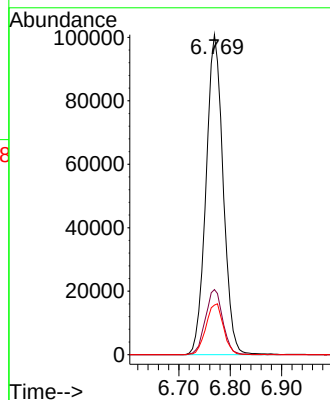
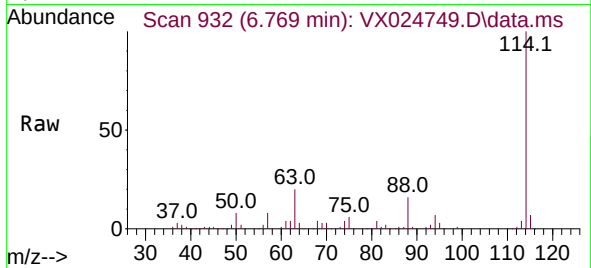




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

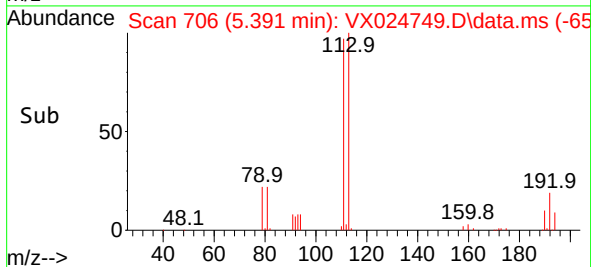
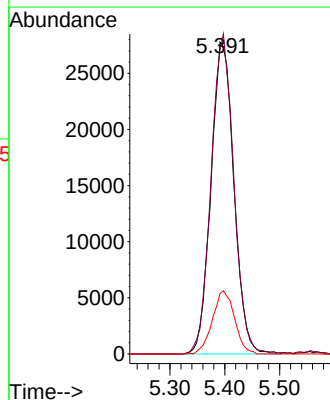
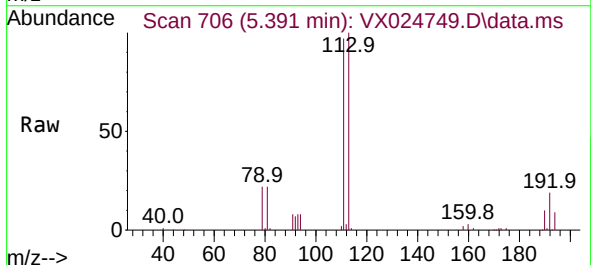
Instrument :
MSVOA_X
ClientSampleId :

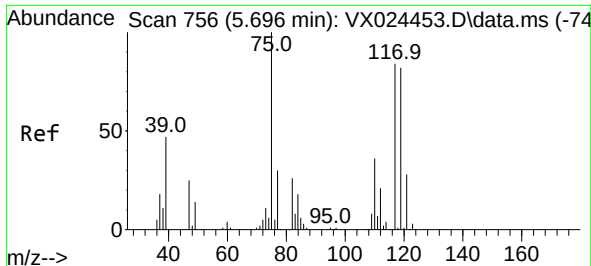
Tgt Ion:114 Resp: 232907
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.113 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion:113 Resp: 80632
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.5 16.7 25.1

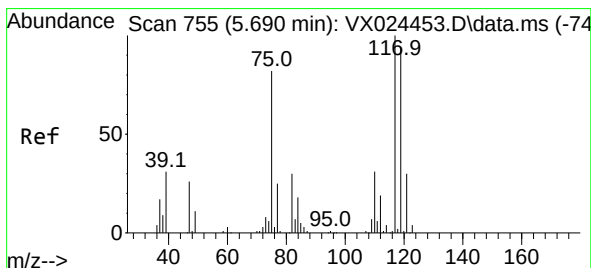
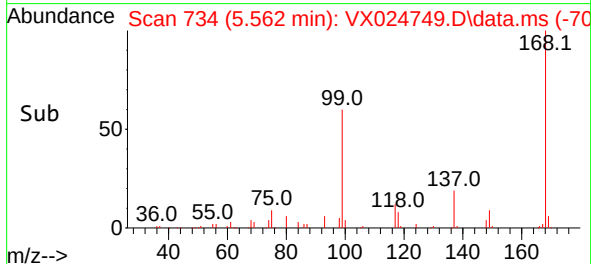
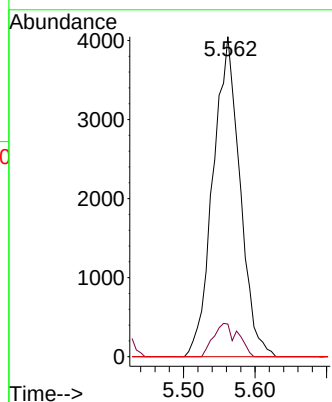
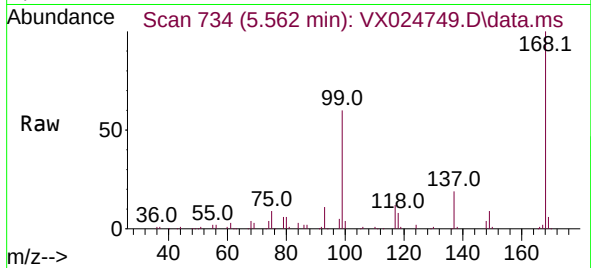




#36
1,1-Dichloropropene
Concen: 4.748 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

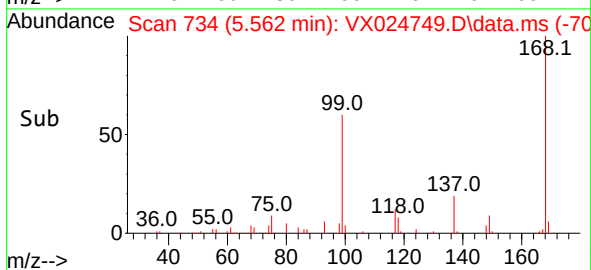
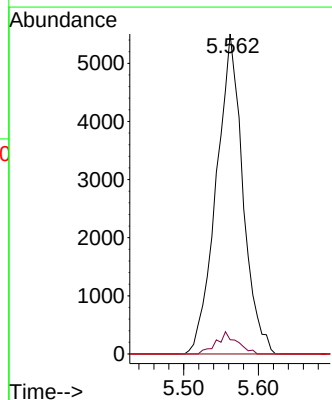
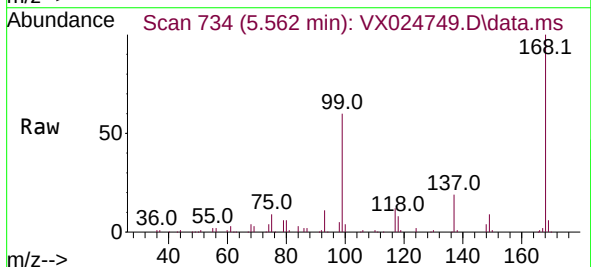
Instrument :
MSVOA_X
ClientSampled :

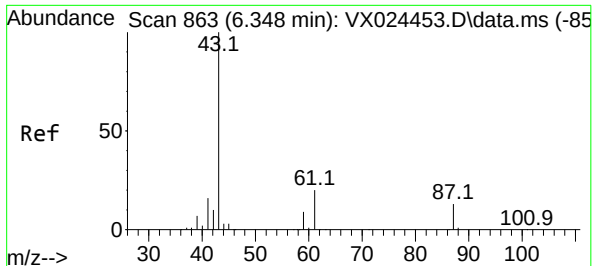
Tgt Ion: 75 Resp: 10602
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 117 Resp: 13625
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

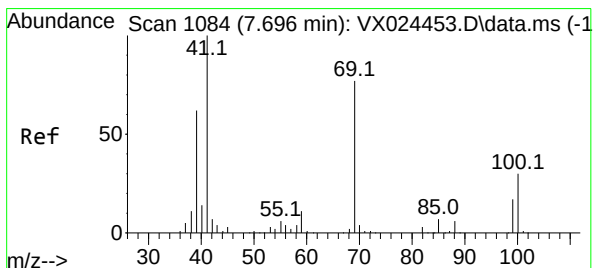
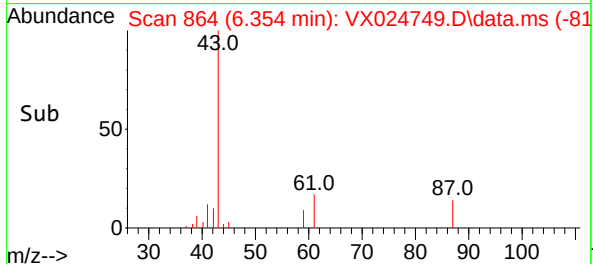
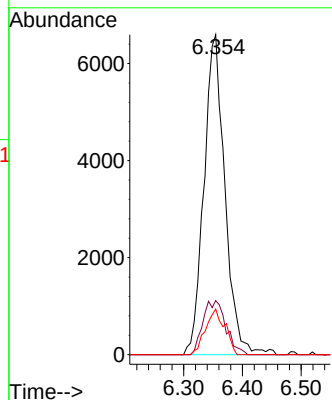
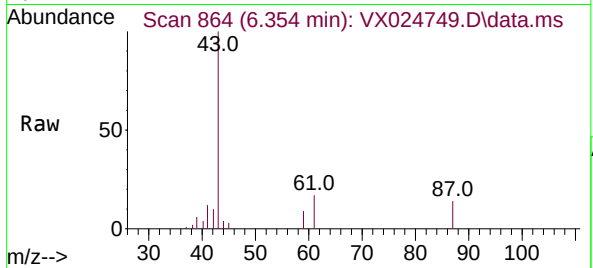




#43
Isopropyl Acetate
Concen: 3.859 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

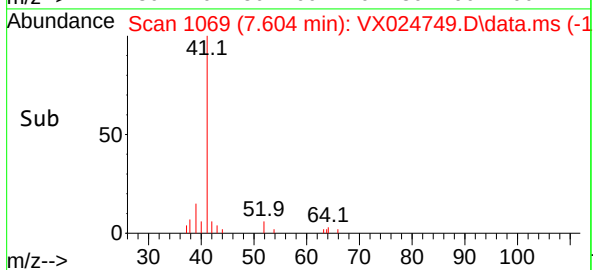
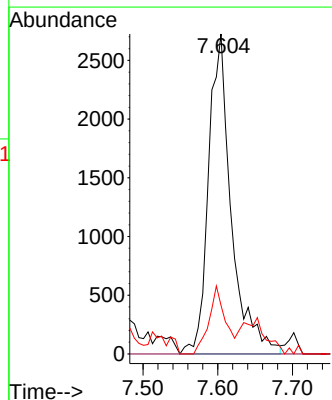
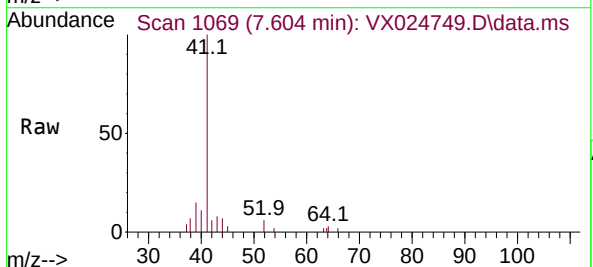
Instrument :
MSVOA_X
ClientSampled :

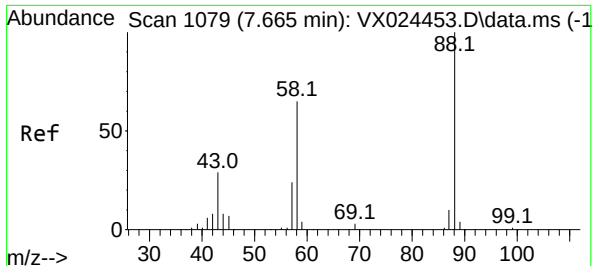
Tgt Ion: 43 Resp: 16353
Ion Ratio Lower Upper
43 100
61 18.5 18.2 27.4
87 13.2 12.5 18.7



#48
Methyl methacrylate
Concen: 2.755 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 41 Resp: 5782
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 2.309 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX024749.D

Acq: 12 Oct 2021 07:18

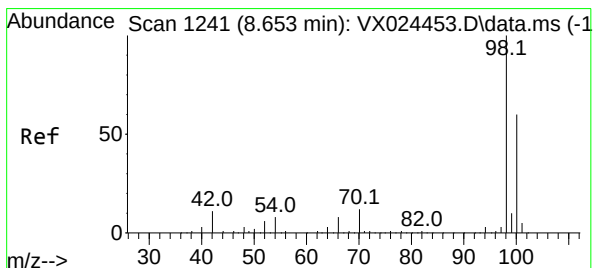
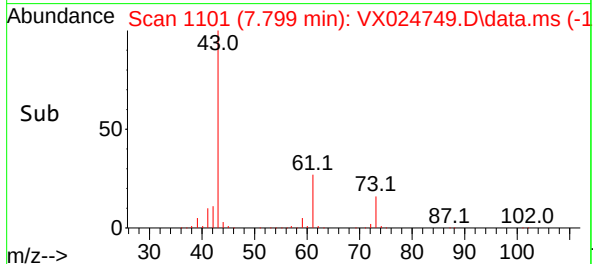
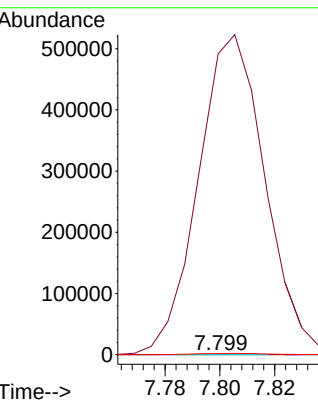
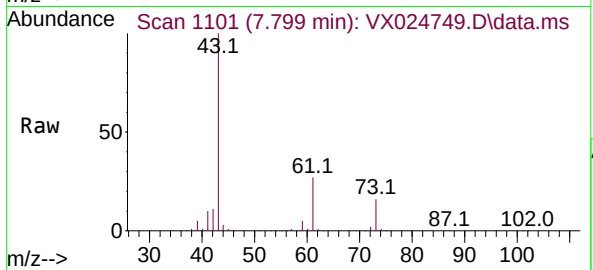
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

43 804241.4 23.2 34.8#

58 3478.4 55.0 82.4#



#50

Toluene-d8

Concen: 52.373 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024749.D

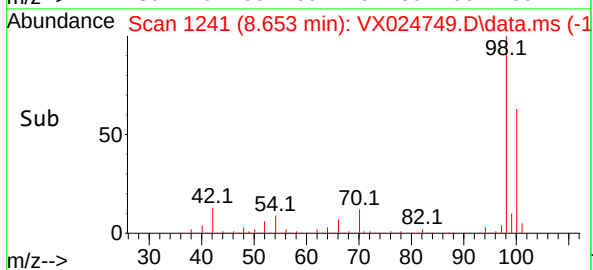
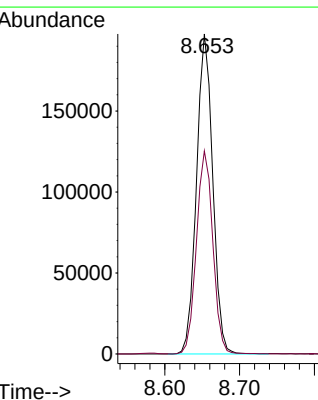
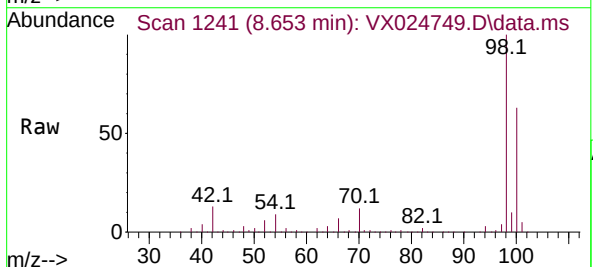
Acq: 12 Oct 2021 07:18

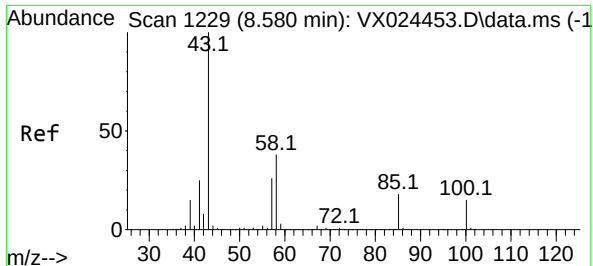
Tgt Ion: 98 Resp: 298250

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9

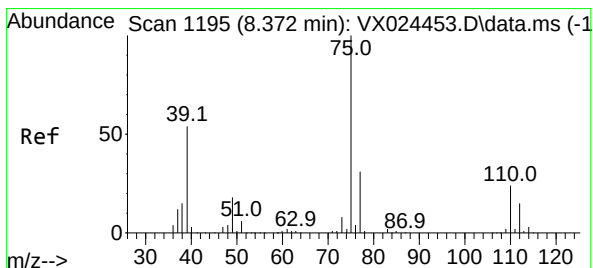
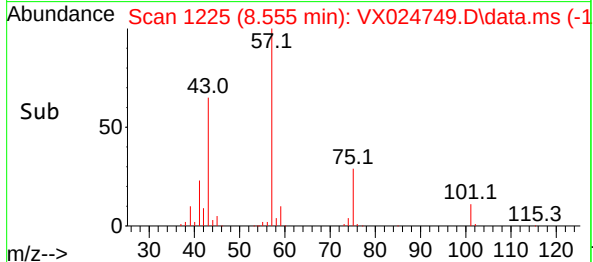
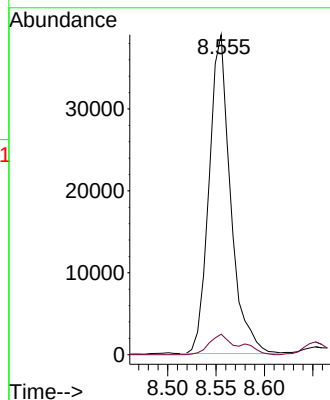
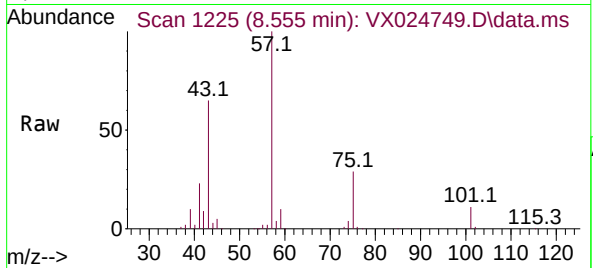




#51
4-Methyl-2-Pentanone
Concen: 21.536 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

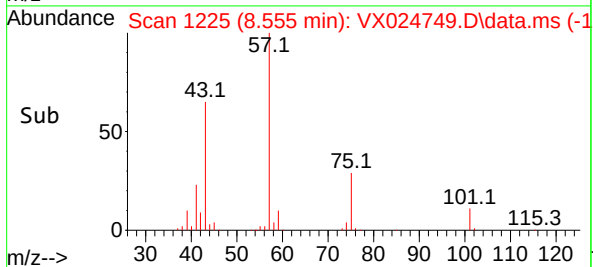
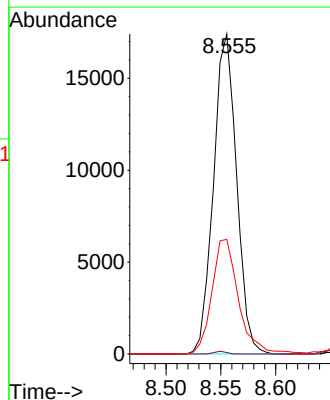
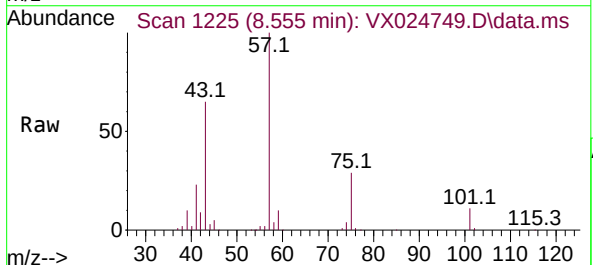
Instrument :
MSVOA_X
ClientSampled :

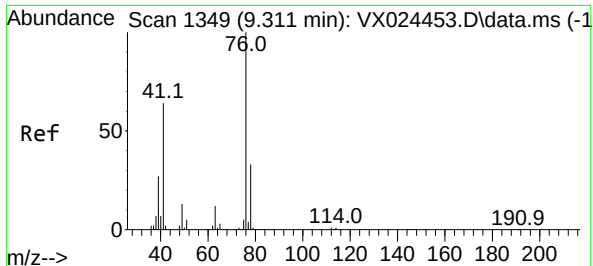
Tgt Ion: 43 Resp: 60254
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.772 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 75 Resp: 25494
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 35.8 35.1 52.7



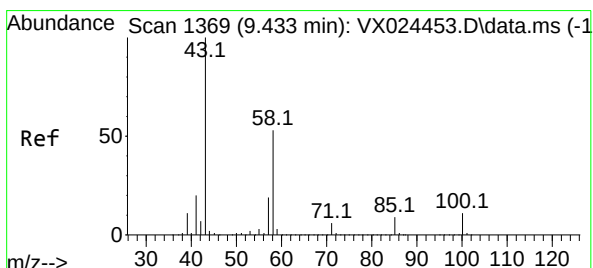
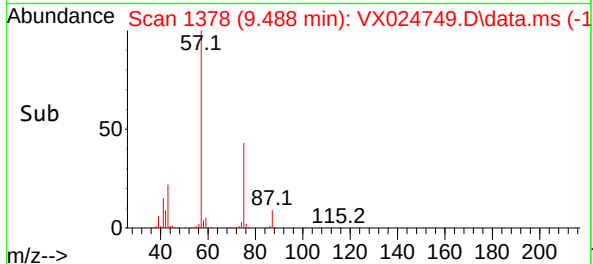
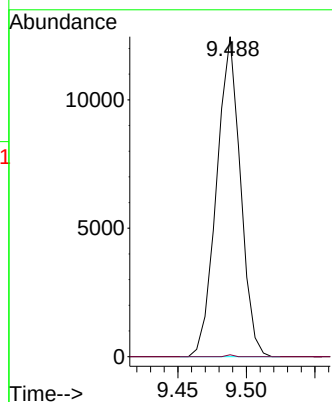
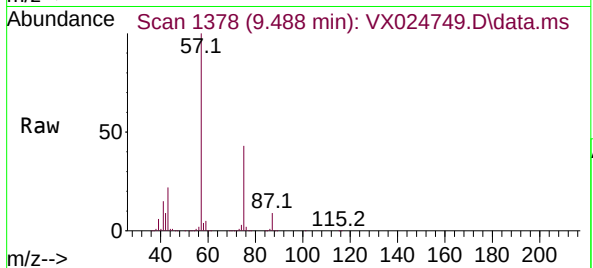


#57

1,3-Dichloropropane
Concen: 5.224 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Instrument :
MSVOA_X
ClientSampled :

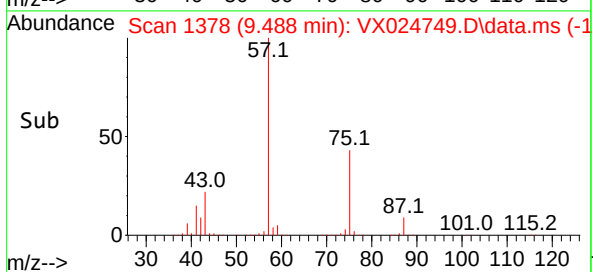
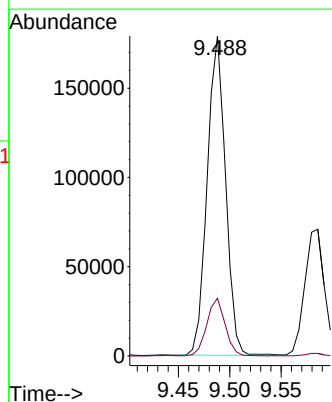
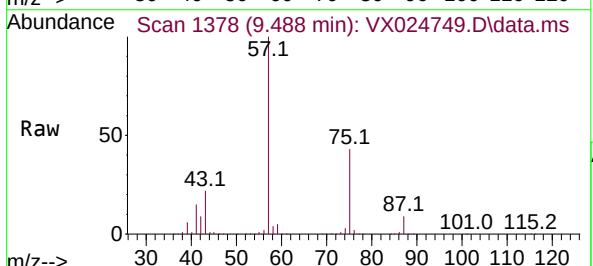
Tgt Ion: 76 Resp: 15030
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

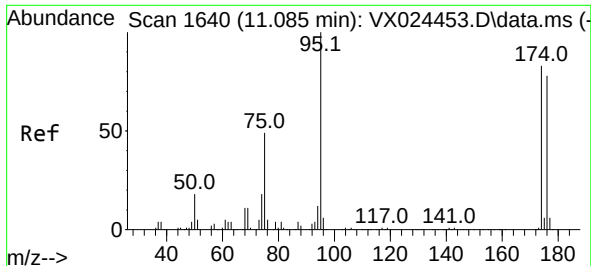


#59

2-Hexanone
Concen: 100.842 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 43 Resp: 222191
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#

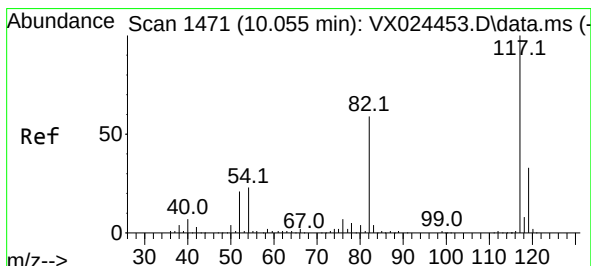
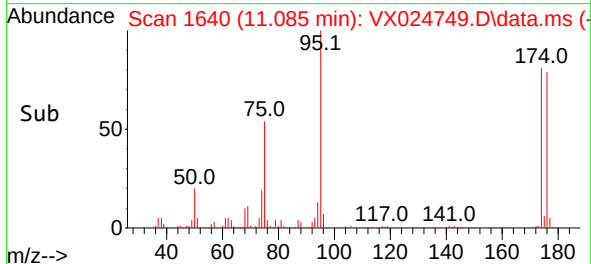
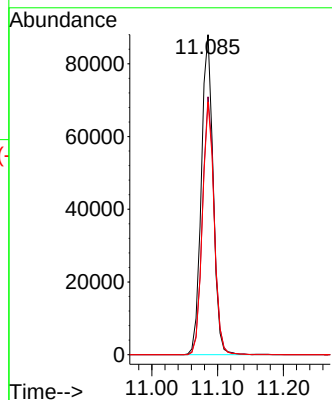
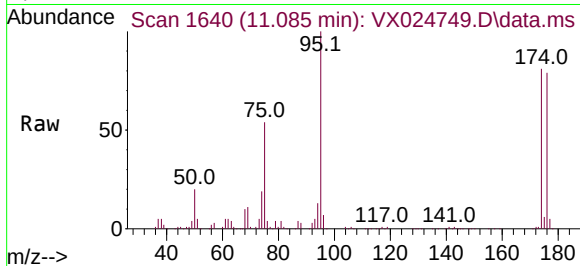




#62
4-Bromofluorobenzene
Concen: 49.104 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

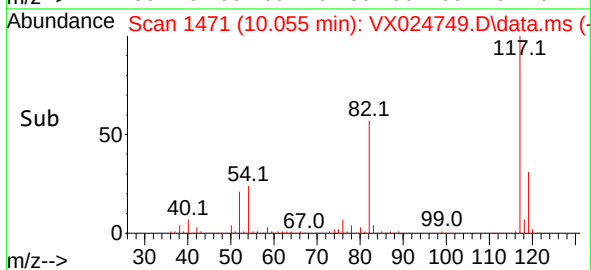
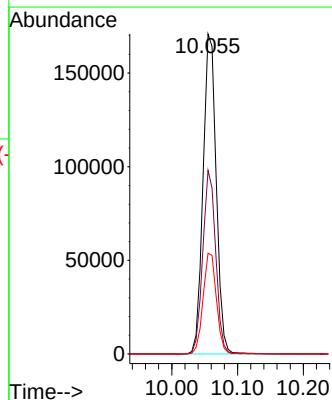
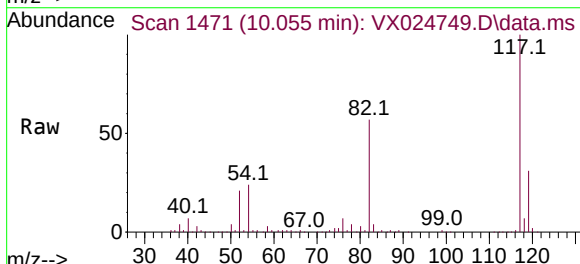
Instrument :
MSVOA_X
ClientSampleId :

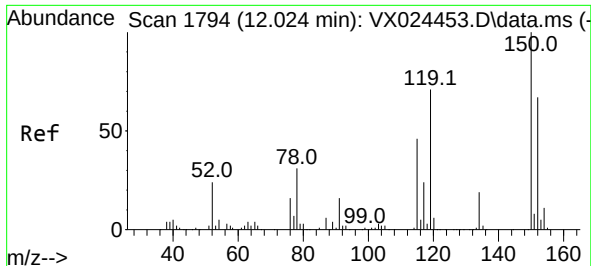
Tgt Ion: 95 Resp: 109946
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 78.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 117 Resp: 238043
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.5 26.6 39.8

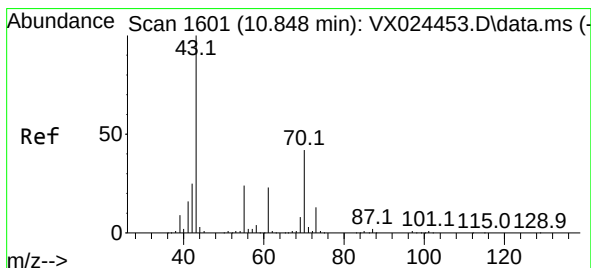
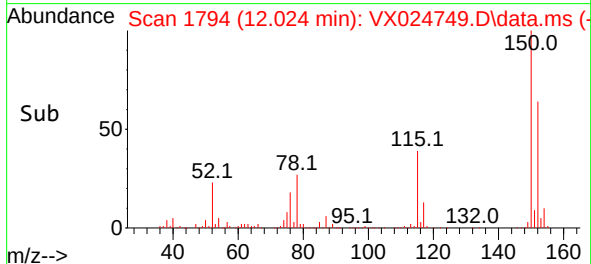
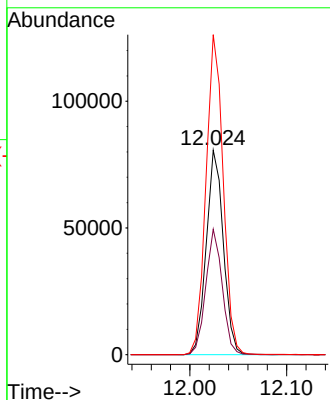
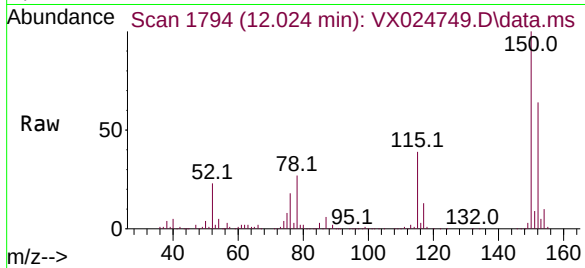




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

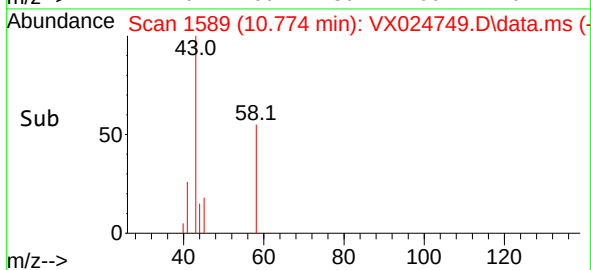
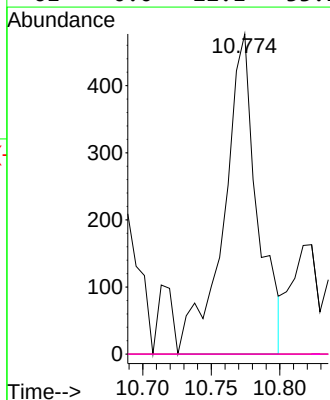
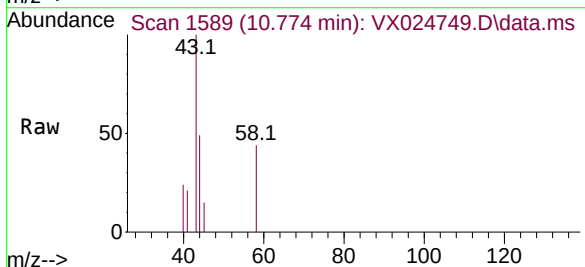
Instrument :
MSVOA_X
ClientSampleId :

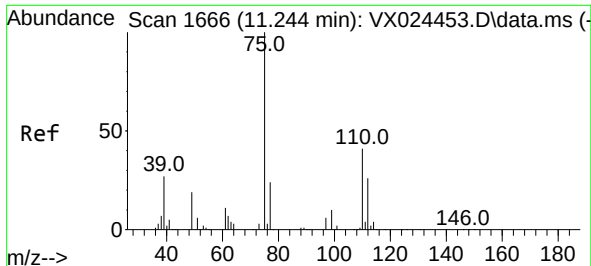
Tgt Ion:152 Resp: 99275
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 157.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.252 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

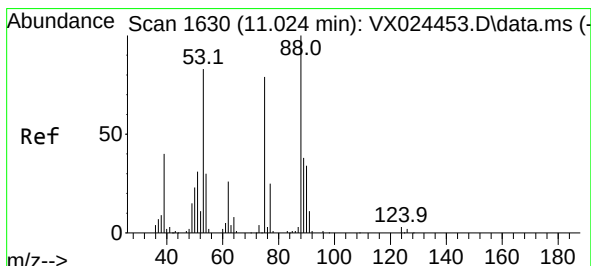
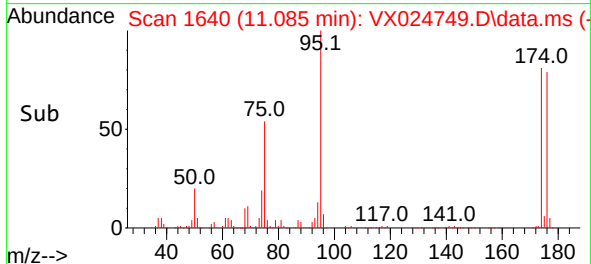
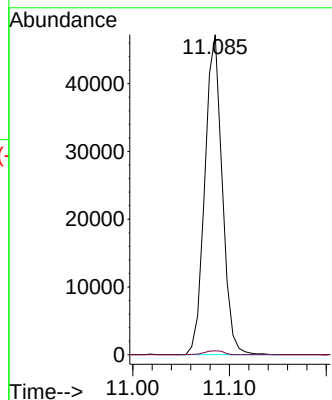
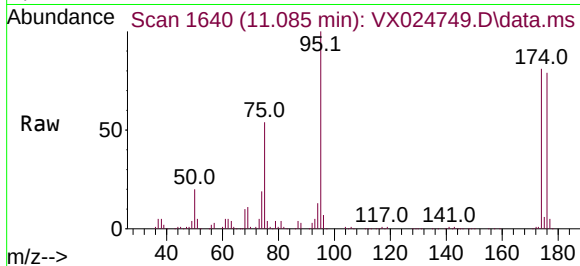




#76
1,2,3-Trichloropropane
Concen: 26.233 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 59141
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.440 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024749.D
Acq: 12 Oct 2021 07:18

Tgt Ion: 75 Resp: 59141
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

