

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025280.D
 Acq On : 23 Nov 2021 17:28
 Operator : JC/MD
 Sample : M4804-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40460

Quant Time: Nov 24 03:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

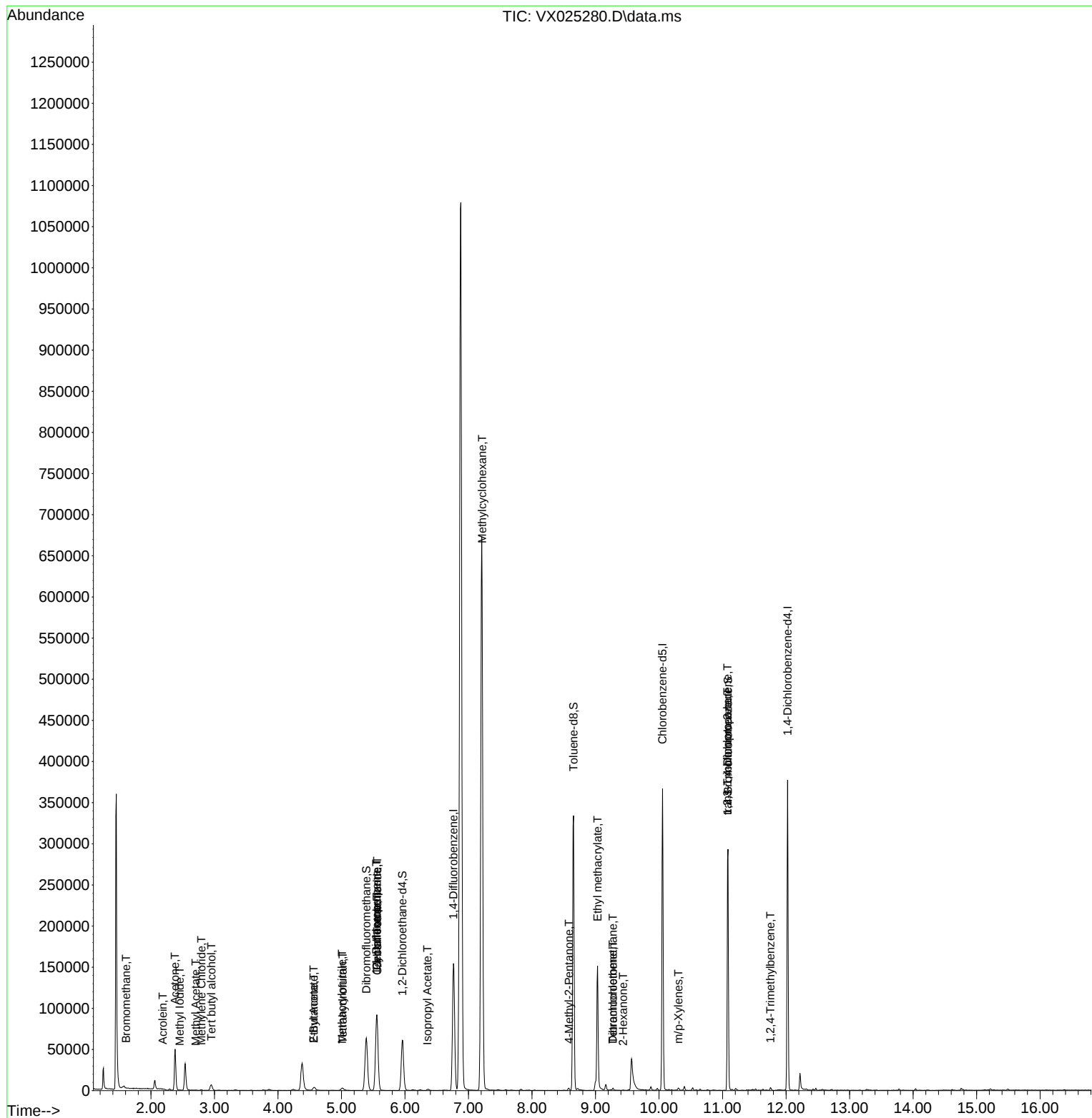
Internal Standards						
1) Pentafluorobenzene	5.555	168	94450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170040	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57239	57.494	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.980%	
35) Dibromofluoromethane	5.391	113	54634	52.366	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.740%	
50) Toluene-d8	8.652	98	203463	51.868	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	11.085	95	78143	52.657	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	230	0.481	ug/l #	72
10) Methyl Iodide	2.452	142	271	0.247	ug/l #	78
11) Tert butyl alcohol	2.952	59	5211	12.672	ug/l #	78
13) Acrolein	2.184	56	48	1.052	ug/l #	1
16) Acetone	2.379	43	49933	90.262	ug/l	95
18) Methyl Acetate	2.702	43	618	0.350	ug/l #	52
20) Methylene Chloride	2.794	84	381	0.366	ug/l #	75
25) 2-Butanone	4.562	43	4891	6.115	ug/l	93
29) Tetrahydrofuran	5.019	42	190	0.384	ug/l #	32
31) Cyclohexane	5.555	56	1736	1.128	ug/l #	5
36) 1,1-Dichloropropene	5.549	75	6471	4.362	ug/l #	49
37) Ethyl Acetate	4.562	43	4727	2.801	ug/l #	68
38) Carbon Tetrachloride	5.562	117	8670	5.306	ug/l #	16
39) Methylcyclohexane	7.214	83	493	0.259	ug/l #	1
41) Methacrylonitrile	5.007	41	744	0.794	ug/l #	43
43) Isopropyl Acetate	6.354	43	642	0.229	ug/l #	61
51) 4-Methyl-2-Pentanone	8.579	43	1864	1.058	ug/l	97
56) Ethyl methacrylate	9.030	69	21169	11.186	ug/l #	74
59) 2-Hexanone	9.433	43	479	0.345	ug/l	71
60) Dibromochloromethane	9.274	129	428	0.319	ug/l #	11
64) Tetrachloroethene	9.274	164	436	0.315	ug/l #	77
68) m/p-Xylenes	10.305	106	557	0.230	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	36803	22.760	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36803	57.336	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.756	105	1508	0.323	ug/l	77
95) Naphthalene	13.780	128	1353	Below Cal		96

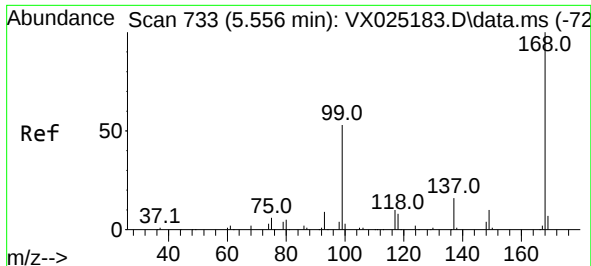
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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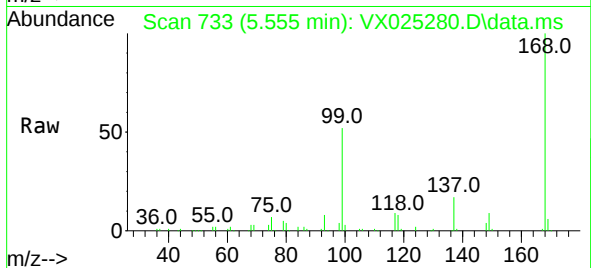
Quant Time: Nov 24 03:14:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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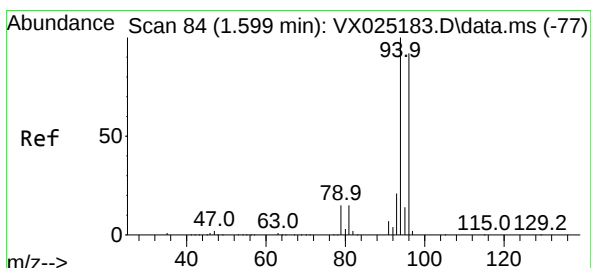
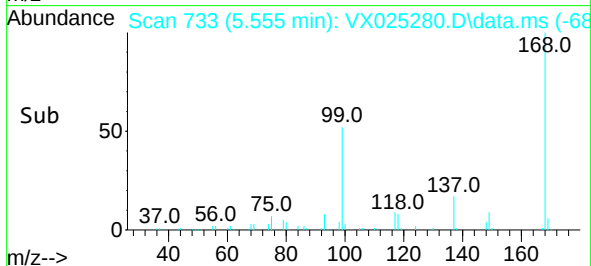
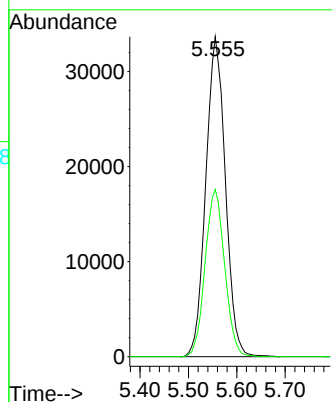


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Instrument :
MSVOA_X
ClientSampleId :
40460

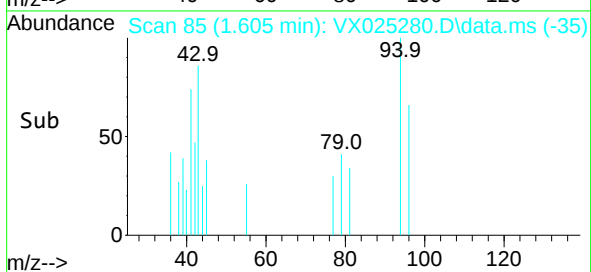
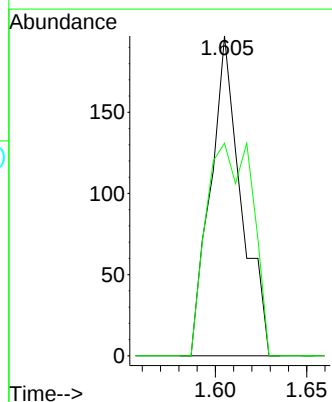
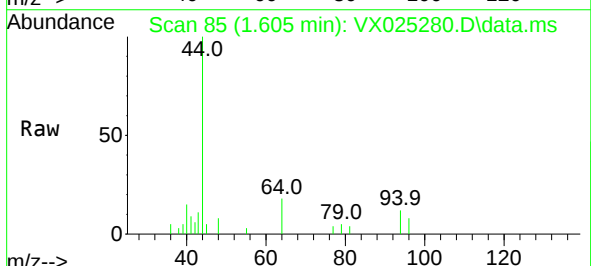


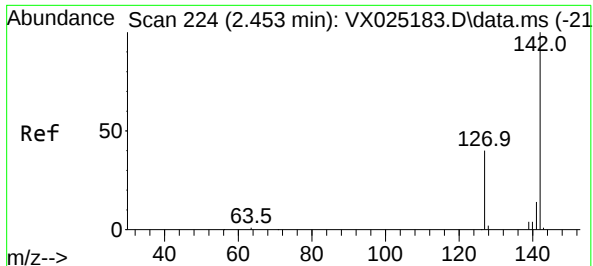
Tgt Ion:168 Resp: 94450
Ion Ratio Lower Upper
168 100
99 52.2 46.4 69.6



#5
Bromomethane
Concen: 0.481 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 66.5 74.8 112.2#

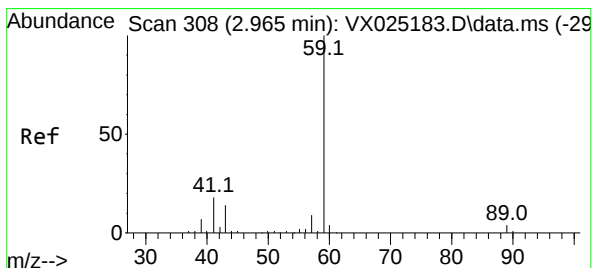
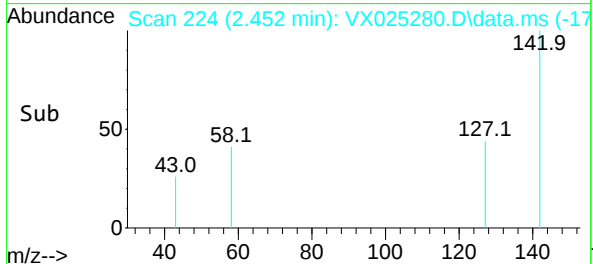
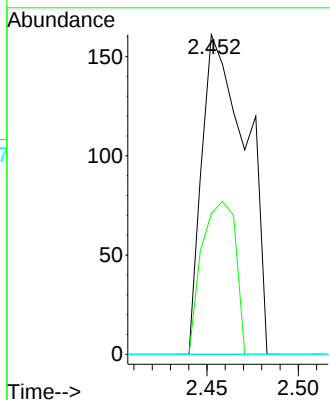
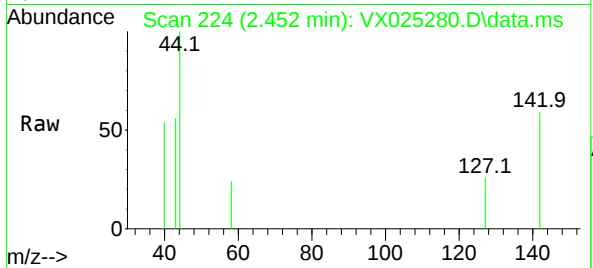




#10
Methyl Iodide
Concen: 0.247 ug/l
RT: 2.452 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

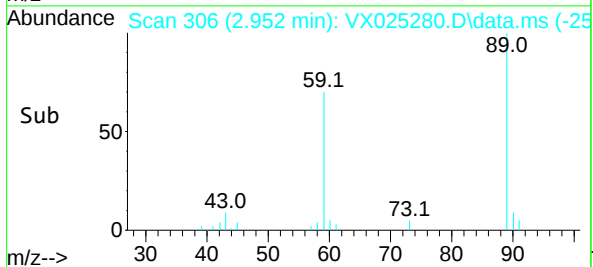
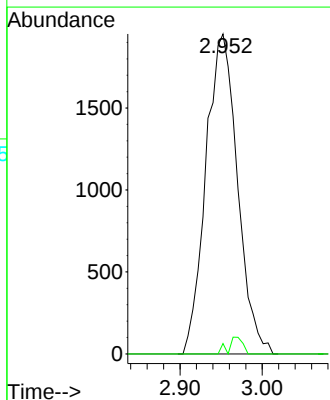
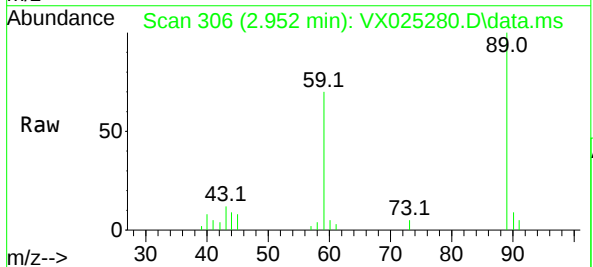
Instrument :
MSVOA_X
ClientSampleId :
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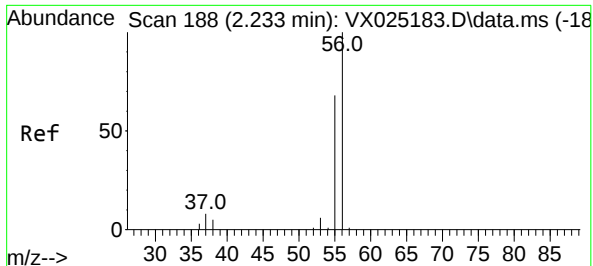
Tgt Ion:142 Resp: 271
Ion Ratio Lower Upper
142 100
127 36.5 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 12.672 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.013 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 59 Resp: 5211
Ion Ratio Lower Upper
59 100
57 2.3 8.5 12.7#

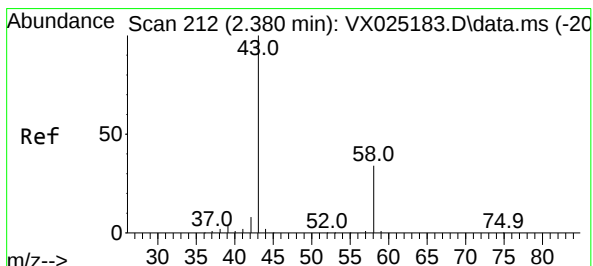
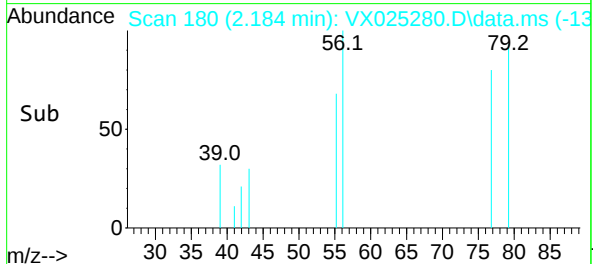
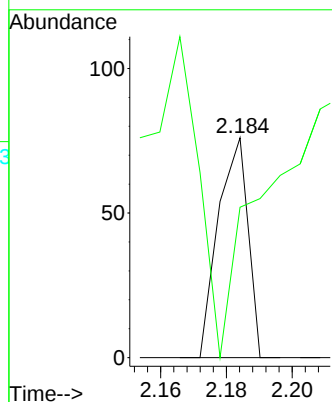
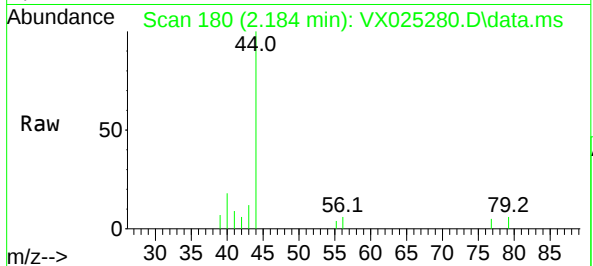




#13
Acrolein
Concen: 1.052 ug/l
RT: 2.184 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

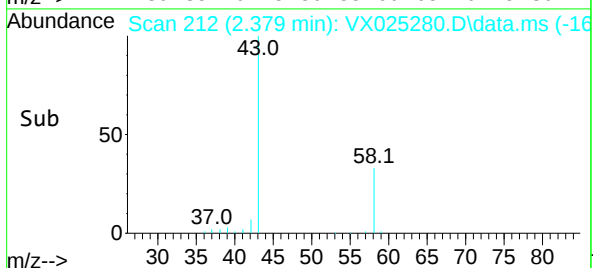
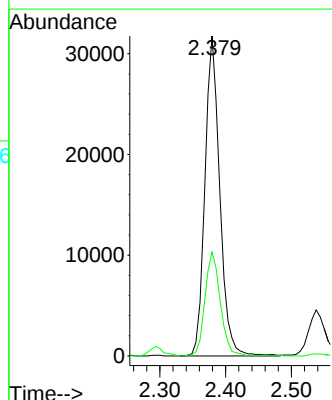
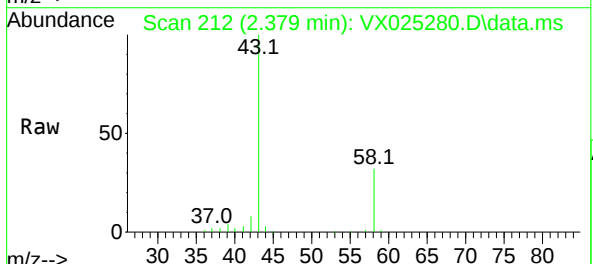
Instrument :
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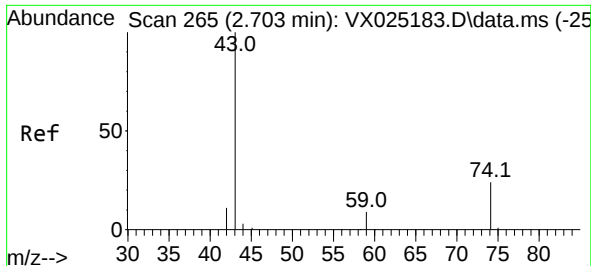
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 291.7 58.6 87.8#



#16
Acetone
Concen: 90.262 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 43 Resp: 49933
Ion Ratio Lower Upper
43 100
58 32.5 24.0 36.0

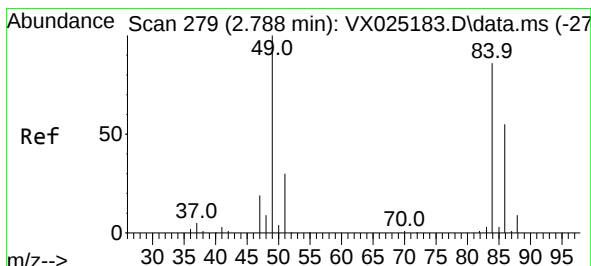
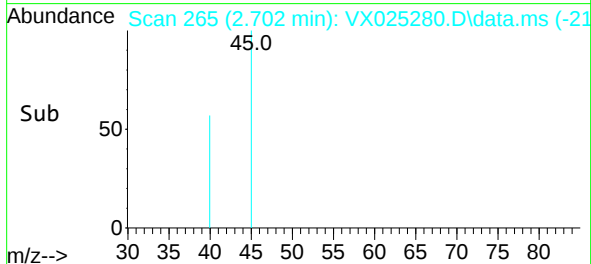
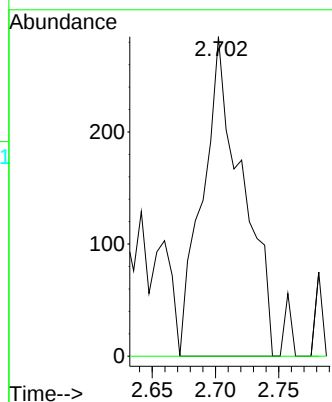
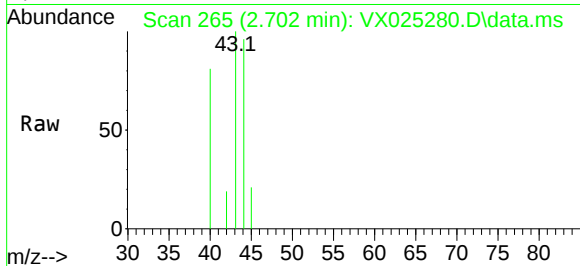




#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.702 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

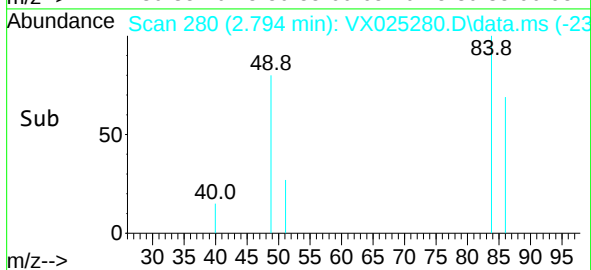
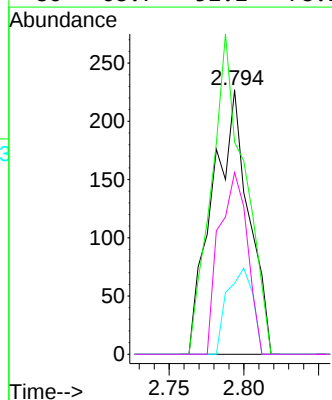
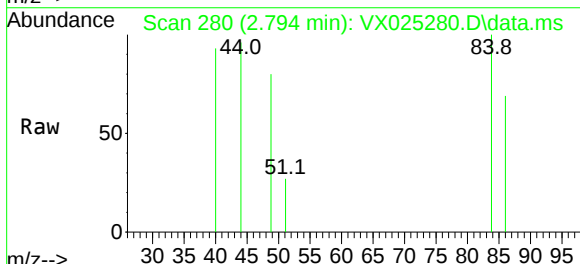
Instrument :
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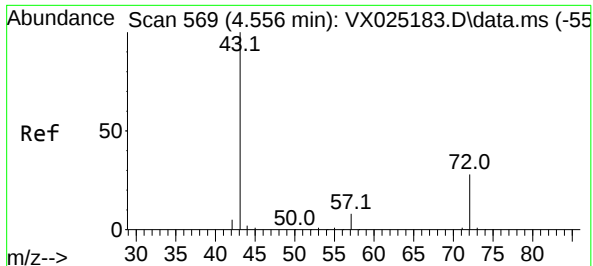
Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 0.366 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 84 Resp: 381
Ion Ratio Lower Upper
84 100
49 80.2 98.2 147.2#
51 26.9 30.2 45.4#
86 68.7 52.2 78.2

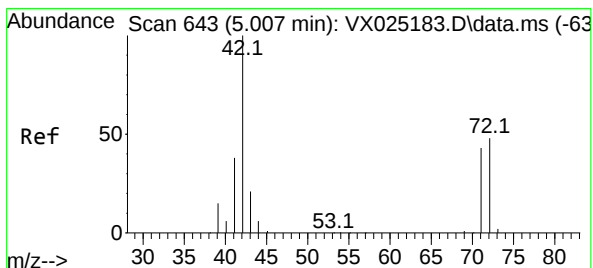
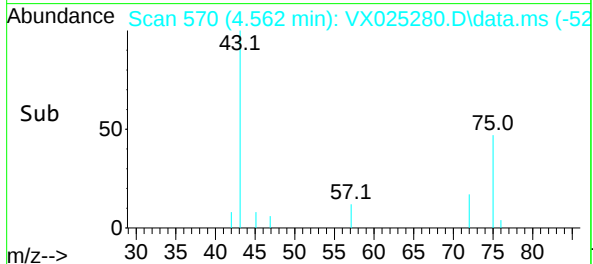
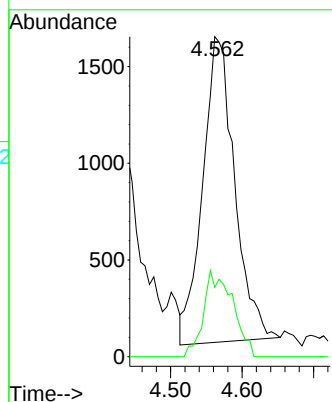
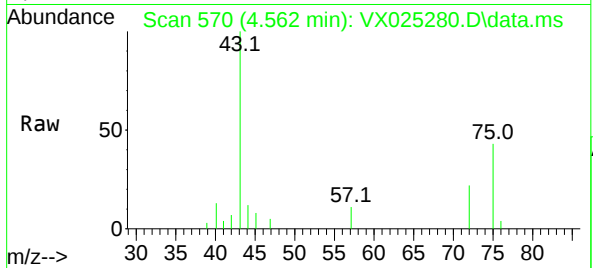




#25
2-Butanone
Concen: 6.115 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

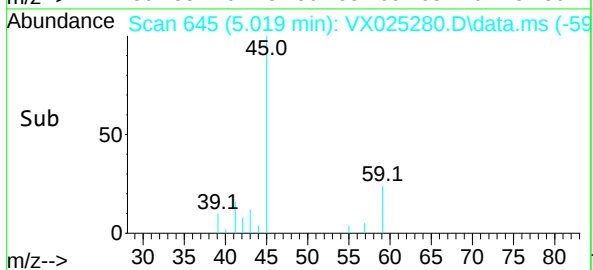
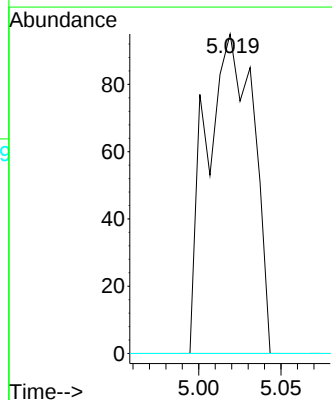
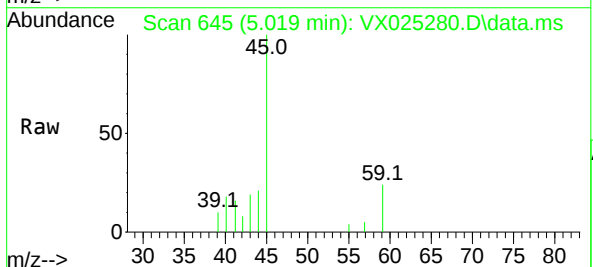
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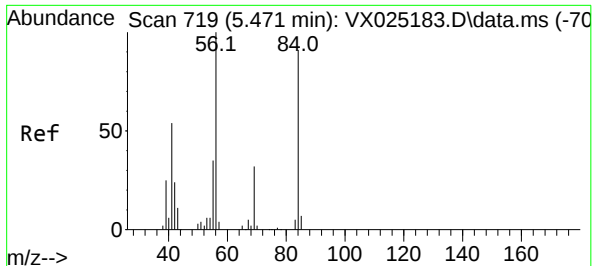
Tgt Ion: 43 Resp: 4891
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.384 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 42 Resp: 190
Ion Ratio Lower Upper
42 100
72 0.0 36.1 54.1#
71 0.0 33.7 50.5#

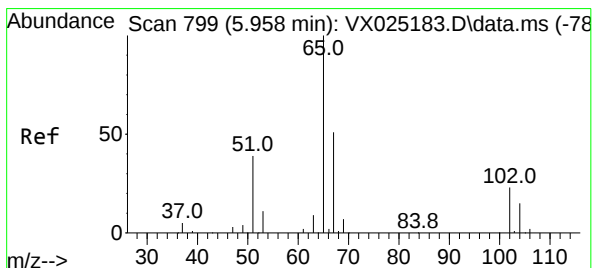
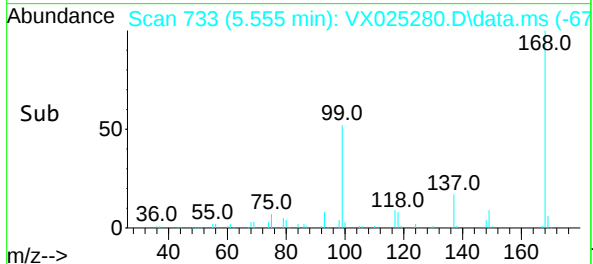
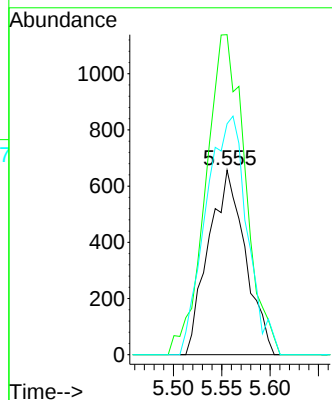
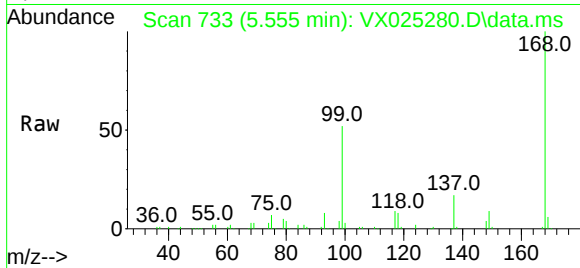




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.555 min Scan# 719
Delta R.T. 0.084 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

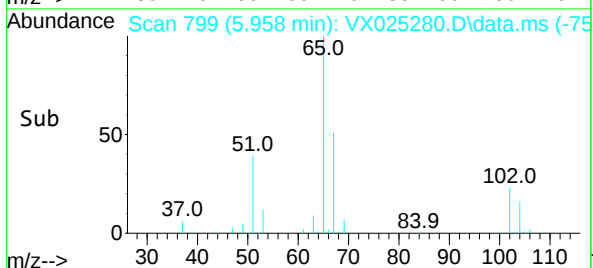
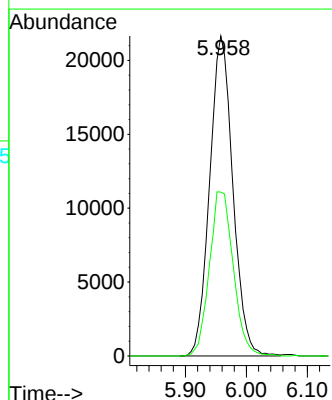
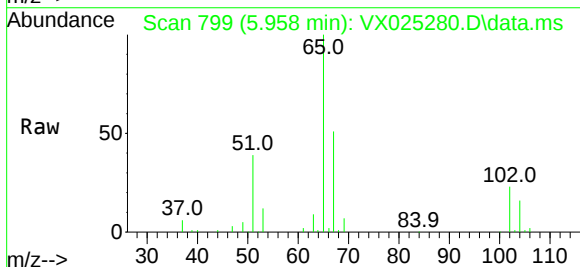
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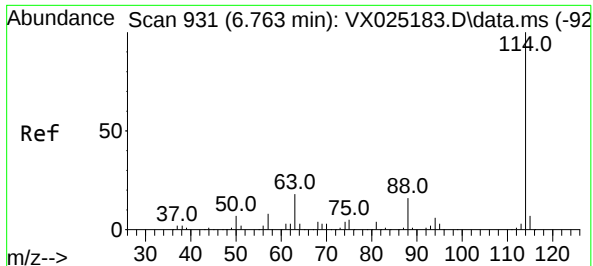
Tgt Ion: 56 Resp: 1736
Ion Ratio Lower Upper
56 100
69 173.4 24.2 36.2#
84 125.1 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 57.494 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 65 Resp: 57239
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.0

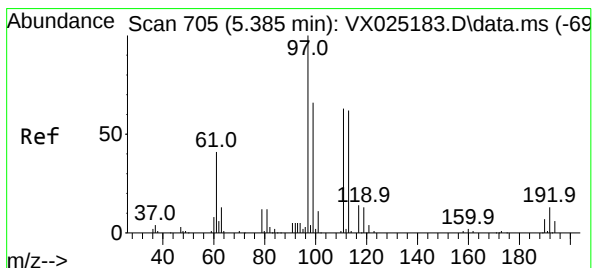
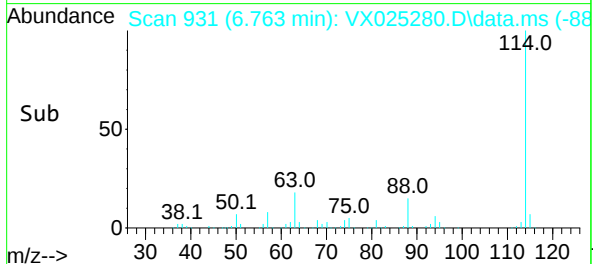
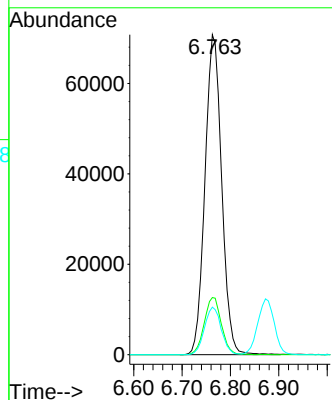
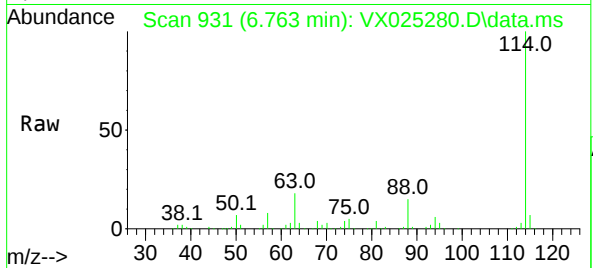




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

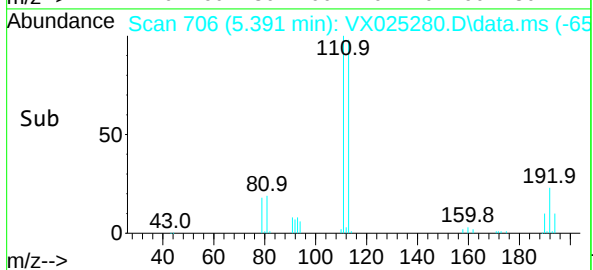
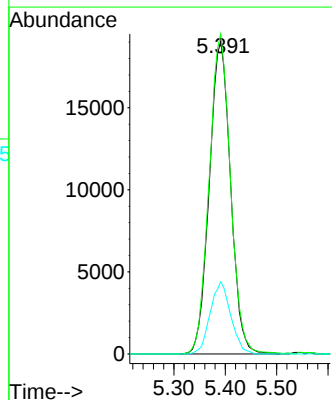
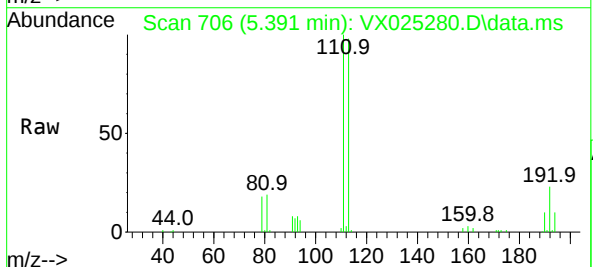
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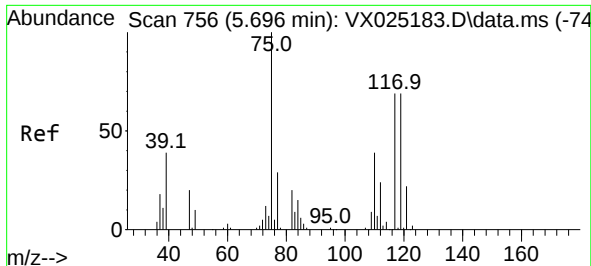
Tgt Ion:114 Resp: 170040
Ion Ratio Lower Upper
114 100
63 17.8 0.0 41.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.366 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion:113 Resp: 54634
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 22.3 15.6 23.4

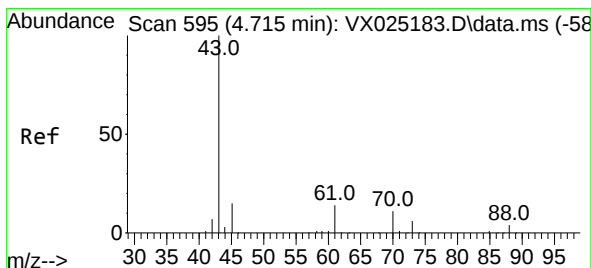
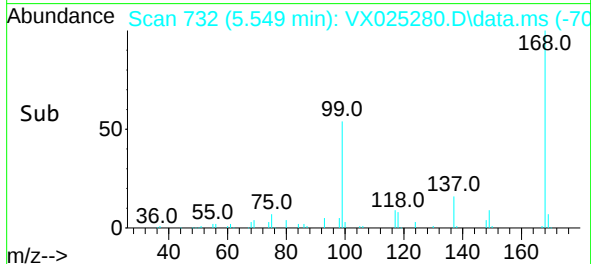
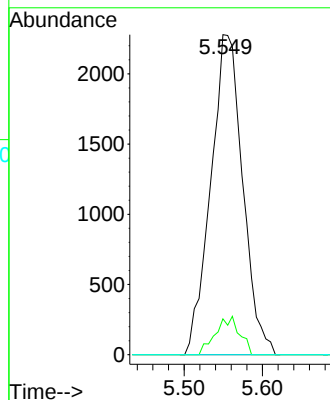
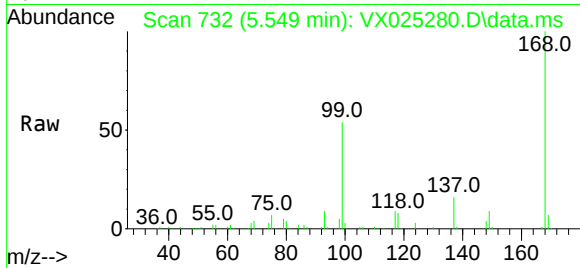




#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

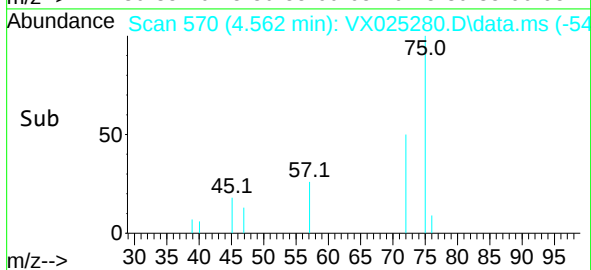
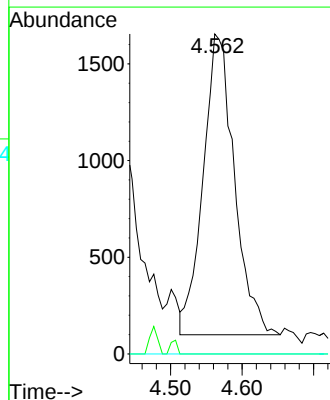
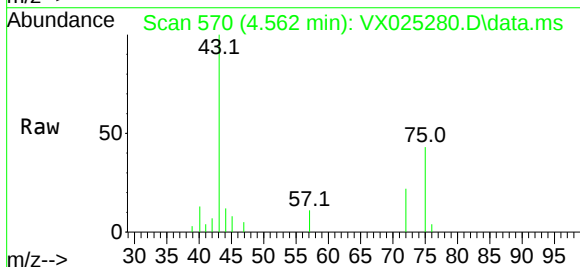
Instrument :
MSVOA_X
ClientSampleId :
40460

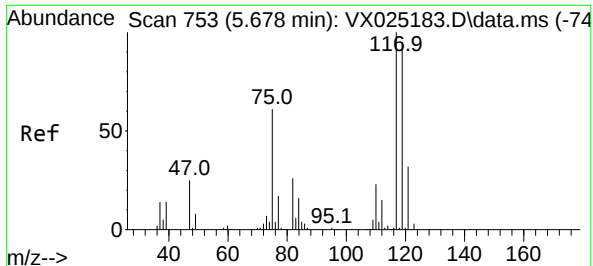
Tgt Ion: 75 Resp: 6471
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.801 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.153 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 43 Resp: 4727
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#

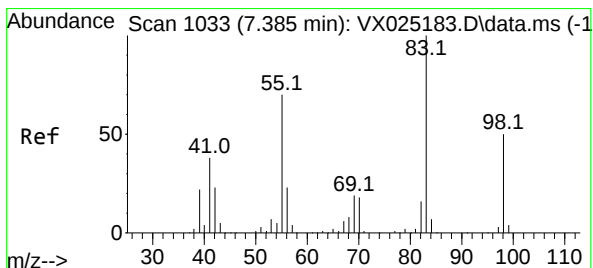
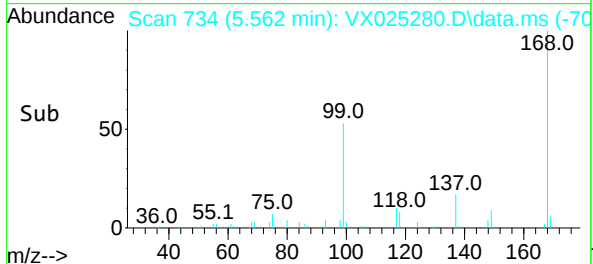
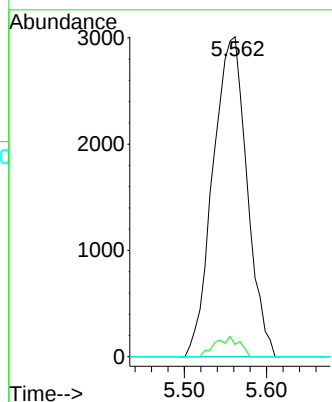
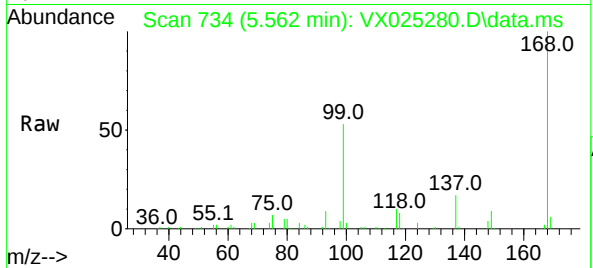




#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

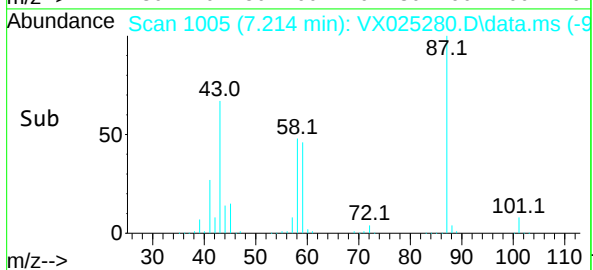
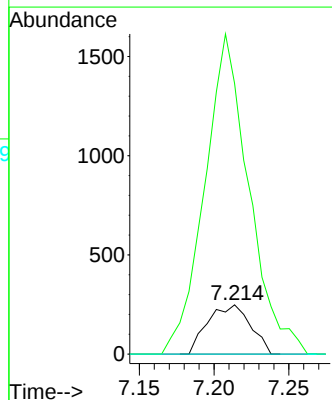
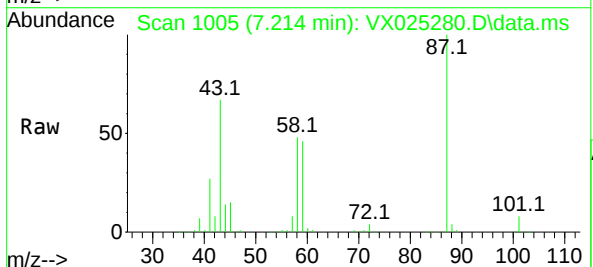
Instrument :
MSVOA_X
ClientSampleId :
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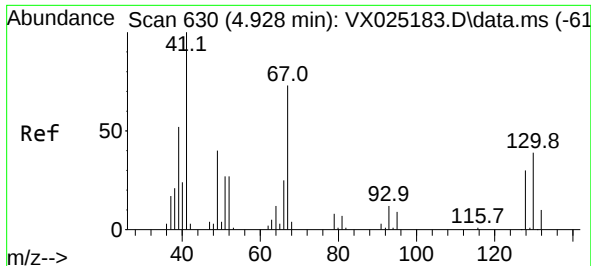
Tgt Ion:117 Resp: 8670
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.259 ug/l
RT: 7.214 min Scan# 1005
Delta R.T. -0.171 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 83 Resp: 493
Ion Ratio Lower Upper
83 100
55 499.2 60.8 91.2#
98 0.0 37.0 55.4#

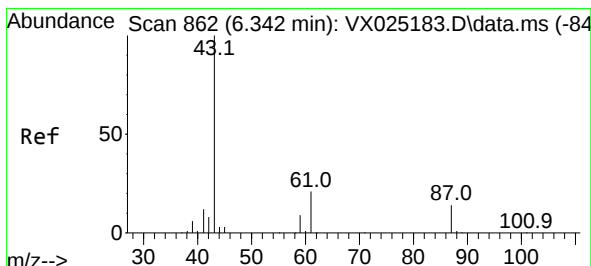
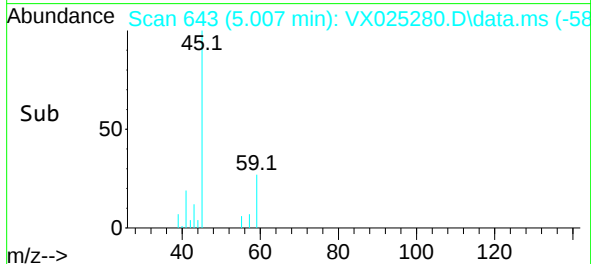
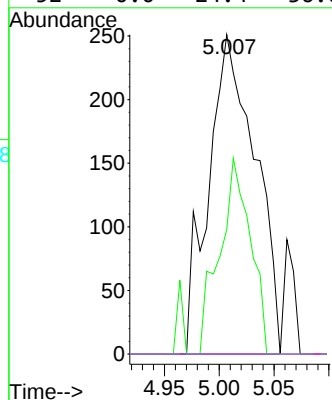
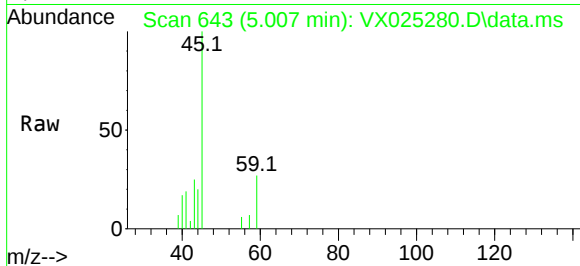




#41
Methacrylonitrile
Concen: 0.794 ug/l
RT: 5.007 min Scan# 641
Delta R.T. 0.079 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

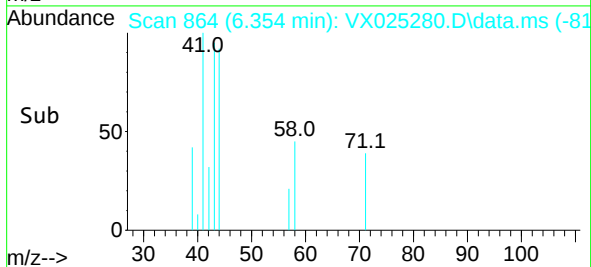
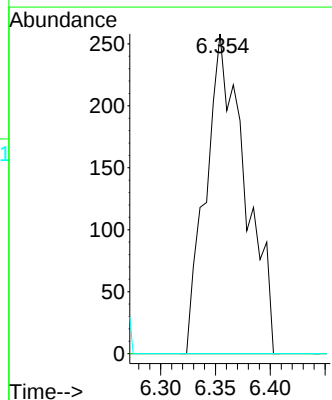
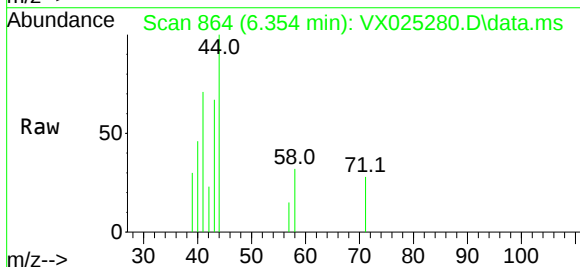
Instrument :
MSVOA_X
ClientSampleId :
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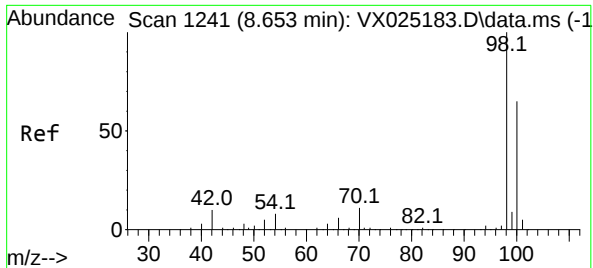
Tgt Ion:	41	Resp:	744
Ion	Ratio	Lower	Upper
41	100		
39	40.9	44.6	67.0#
67	0.0	56.7	85.1#
52	0.0	24.4	36.6#



#43
Isopropyl Acetate
Concen: 0.229 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion:	43	Resp:	642
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.3	22.9#
87	0.0	10.9	16.3#

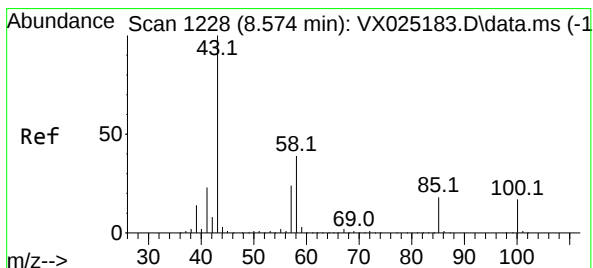
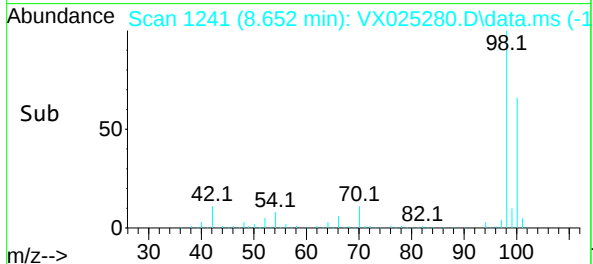
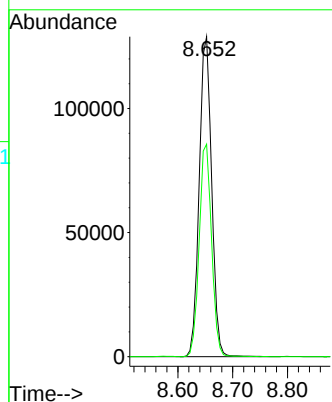
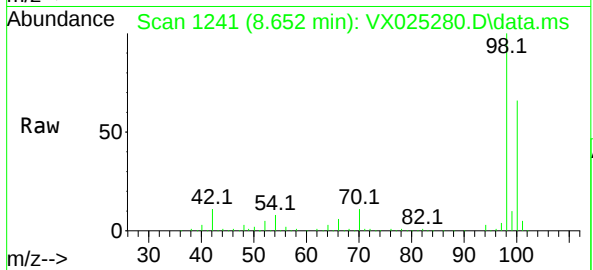




#50
Toluene-d8
Concen: 51.868 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

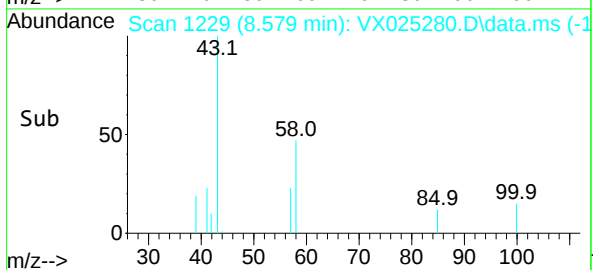
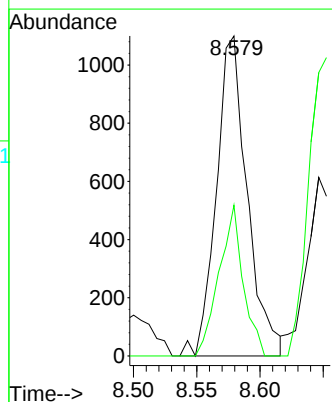
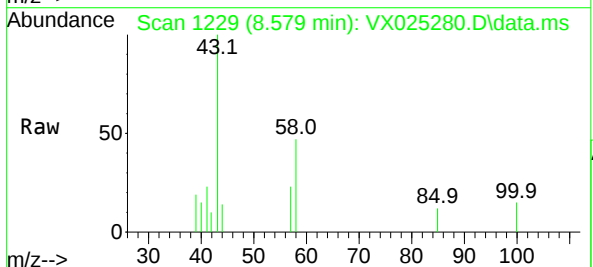
Instrument :
MSVOA_X
ClientSampleId :
40460

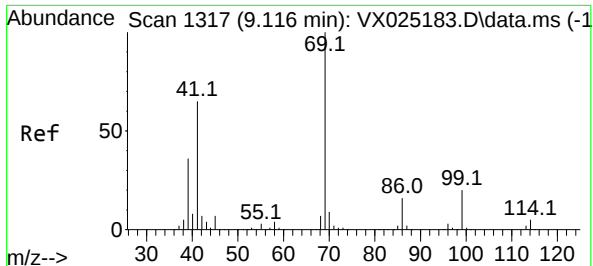
Tgt Ion: 98 Resp: 203463
Ion Ratio Lower Upper
98 100
100 66.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.058 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.005 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
58 36.9 30.9 46.3

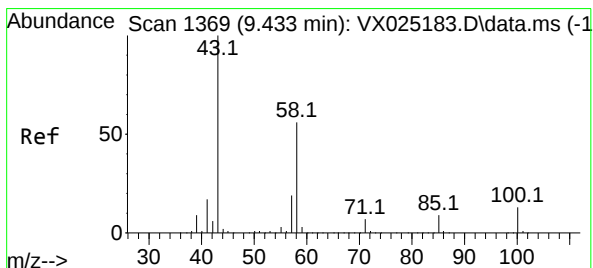
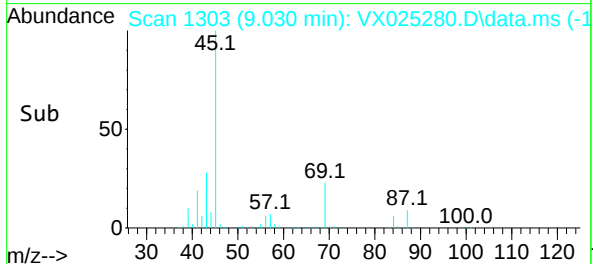
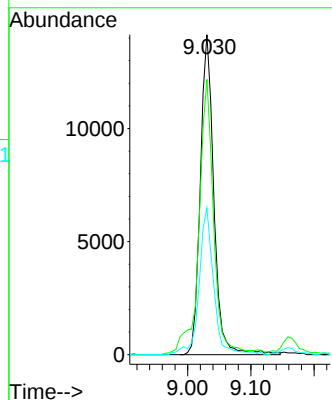
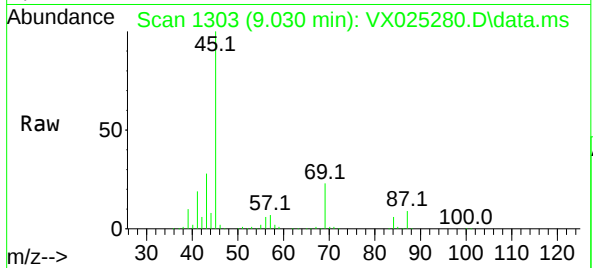




#56
Ethyl methacrylate
Concen: 11.186 ug/l
RT: 9.030 min Scan# 1303
Delta R.T. -0.086 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

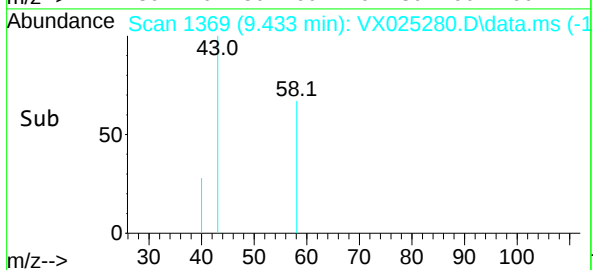
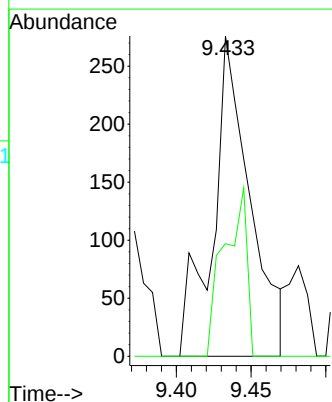
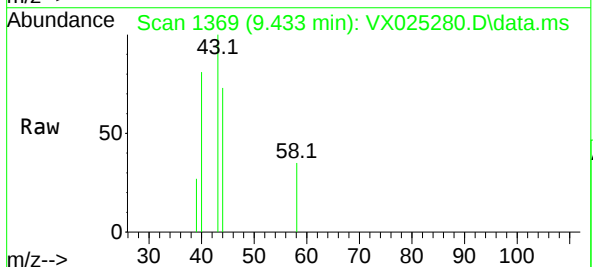
Instrument :
MSVOA_X
ClientSampleId :
40460

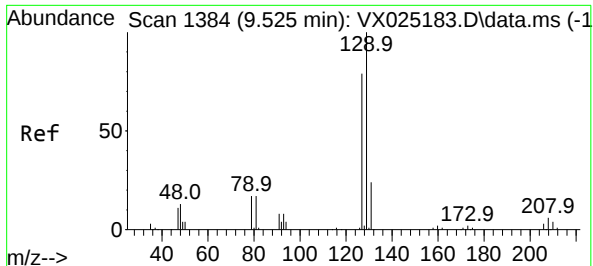
Tgt Ion: 69 Resp: 21169
Ion Ratio Lower Upper
69 100
41 93.7 55.3 82.9#
39 49.2 30.2 45.4#



#59
2-Hexanone
Concen: 0.345 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
58 32.4 26.6 79.7

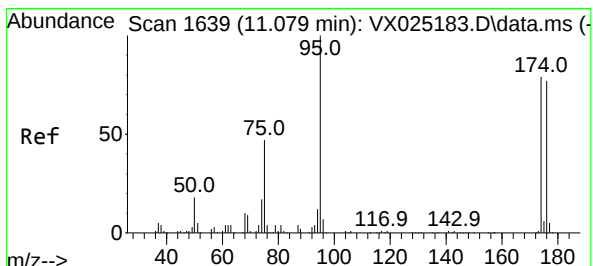
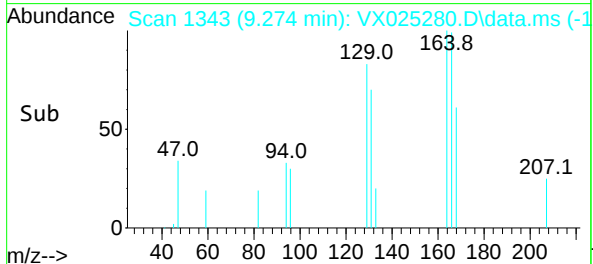
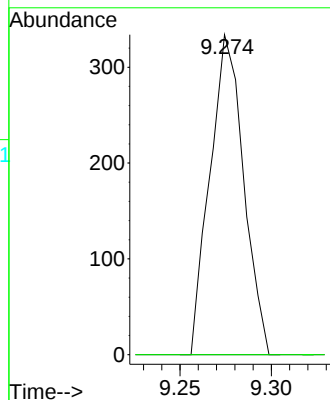
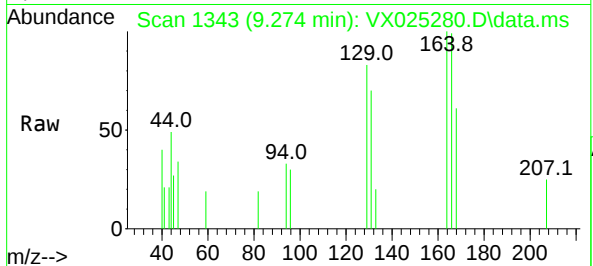




#60
Dibromochloromethane
Concen: 0.319 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

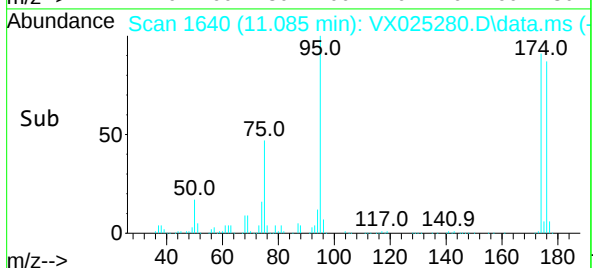
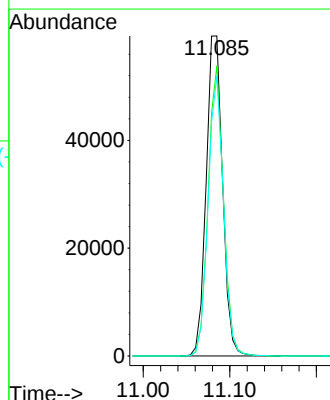
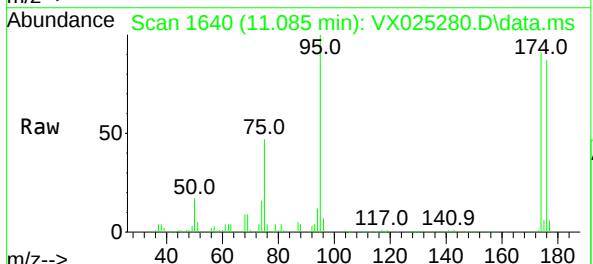
Instrument :
MSVOA_X
ClientSampleId :
40460

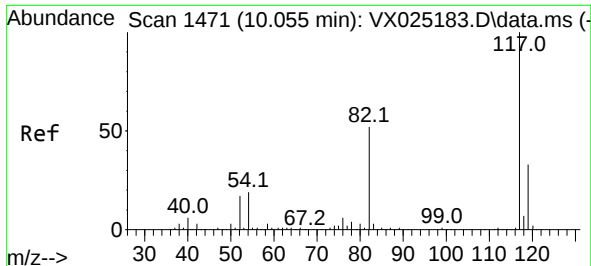
Tgt Ion:129 Resp: 428
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.657 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion: 95 Resp: 78143
Ion Ratio Lower Upper
95 100
174 85.1 0.0 158.0
176 82.3 0.0 153.6

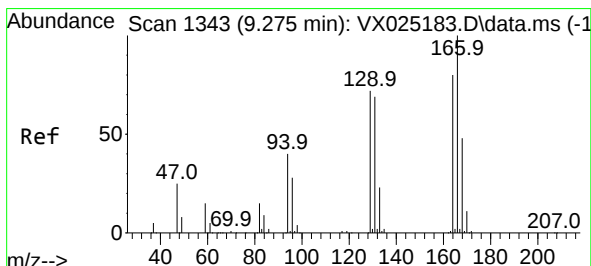
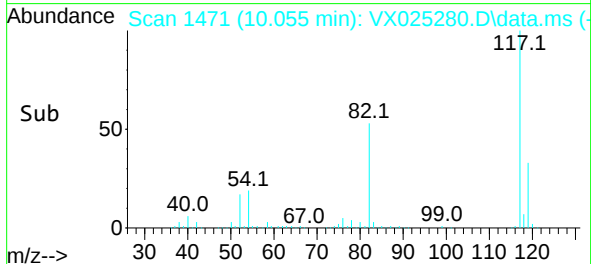
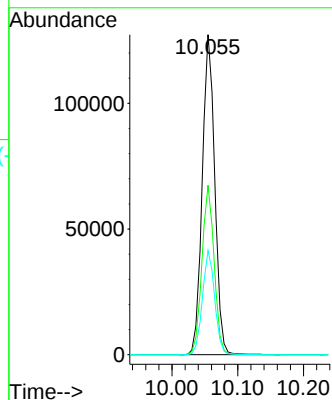
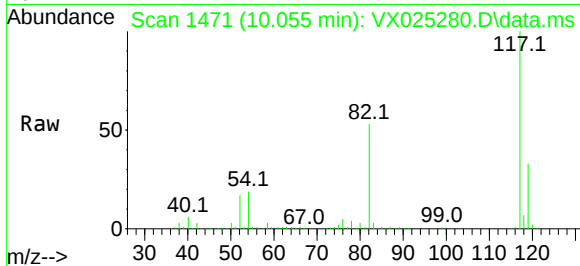




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

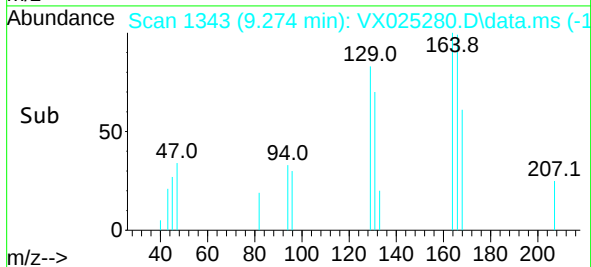
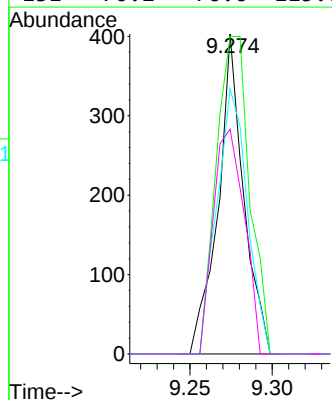
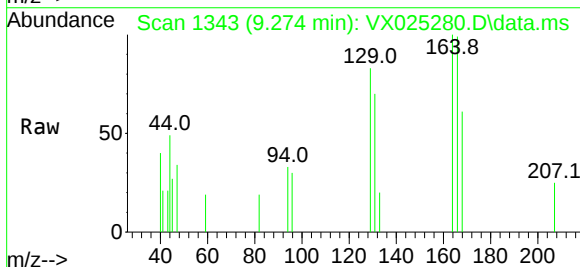
Instrument :
MSVOA_X
ClientSampleId :
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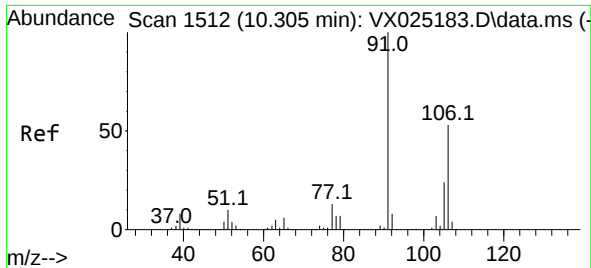
Tgt Ion:117 Resp: 168092
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 0.315 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion:164 Resp: 436
Ion Ratio Lower Upper
164 100
166 99.3 103.2 154.8#
129 82.9 81.0 121.4
131 70.2 76.6 115.0#

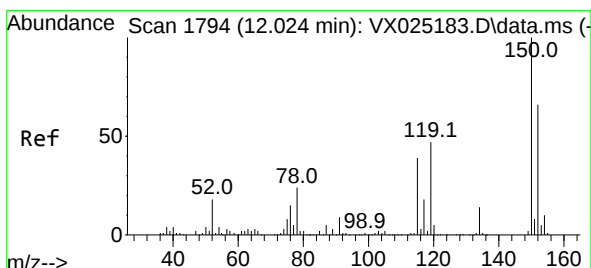
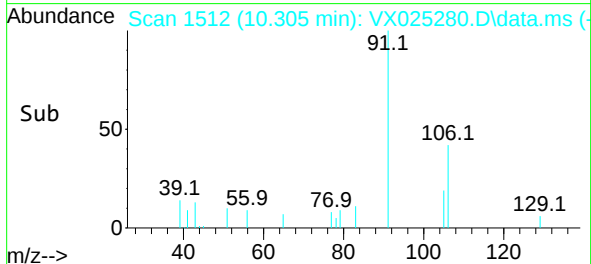
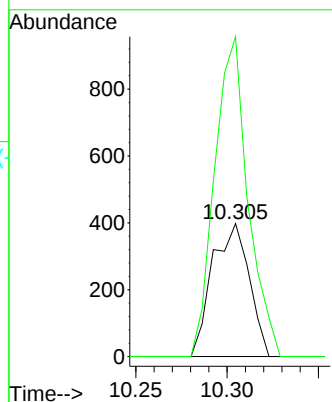
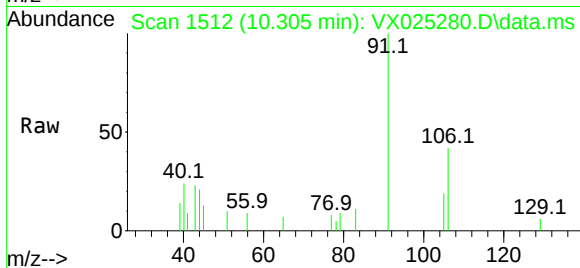




#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

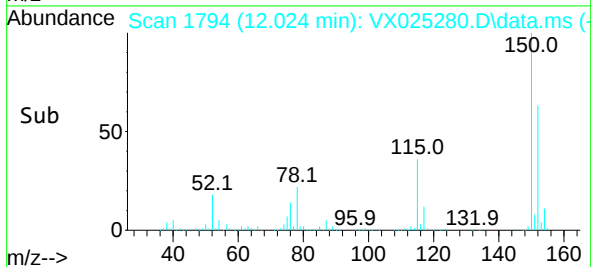
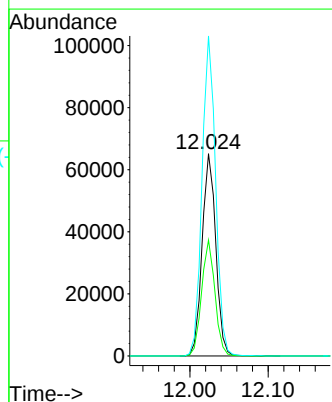
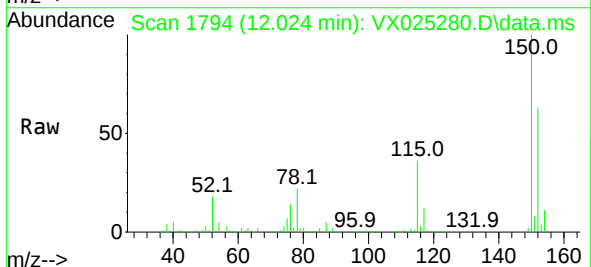
Instrument :
MSVOA_X
ClientSampleId :
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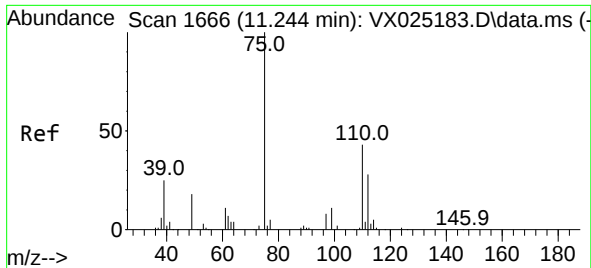
Tgt Ion:106 Resp: 557
Ion Ratio Lower Upper
106 100
91 218.1 163.4 245.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

Tgt Ion:152 Resp: 78964
Ion Ratio Lower Upper
152 100
115 55.8 43.3 129.8
150 156.9 0.0 351.2

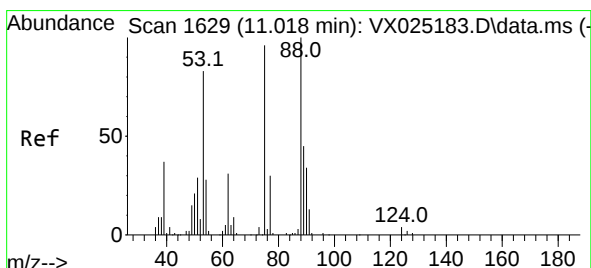
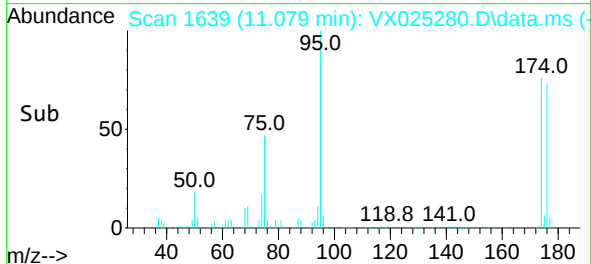
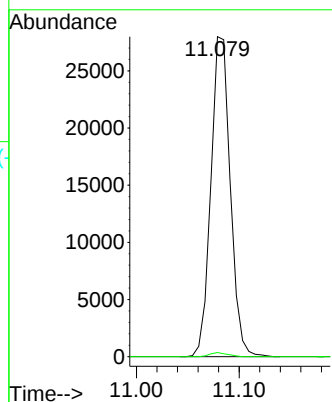
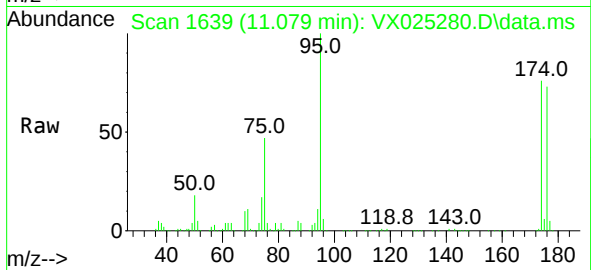




#76
1,2,3-Trichloropropane
Concen: 22.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

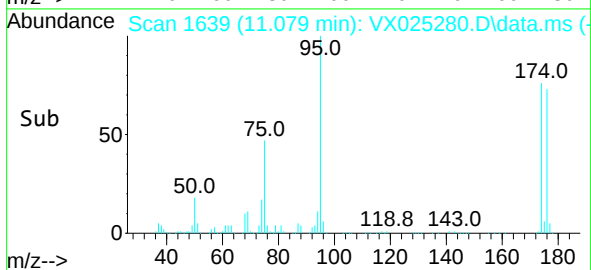
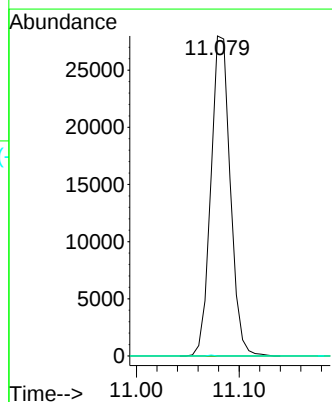
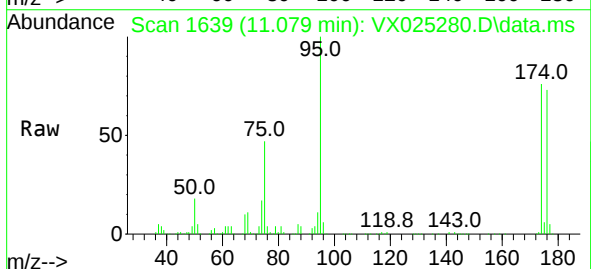
Instrument :
MSVOA_X
ClientSampleId :
40460

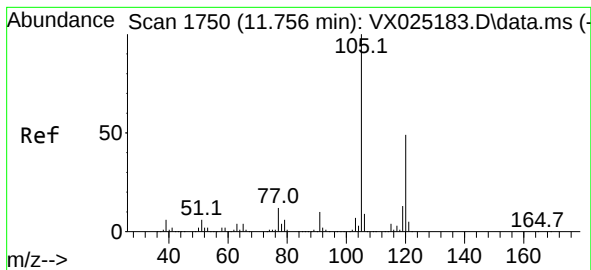
Tgt Ion: 75 Resp: 36803
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.336 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025280.D
Acq: 23 Nov 2021 17:28

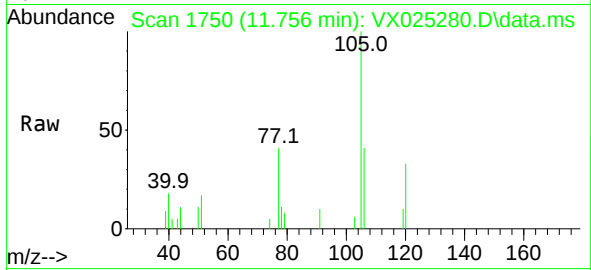
Tgt Ion: 75 Resp: 36803
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.323 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025280.D
 Acq: 23 Nov 2021 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 40460



Tgt Ion:105 Resp: 1508
 Ion Ratio Lower Upper
 105 100
 120 29.1 22.1 66.3

