

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061621\
 Data File : VX022720.D
 Acq On : 16 Jun 2021 14:40
 Operator : JC/MD
 Sample : M2678-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-AMND-COMP-K(CL-16)RE

Quant Time: Jun 17 02:22:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

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

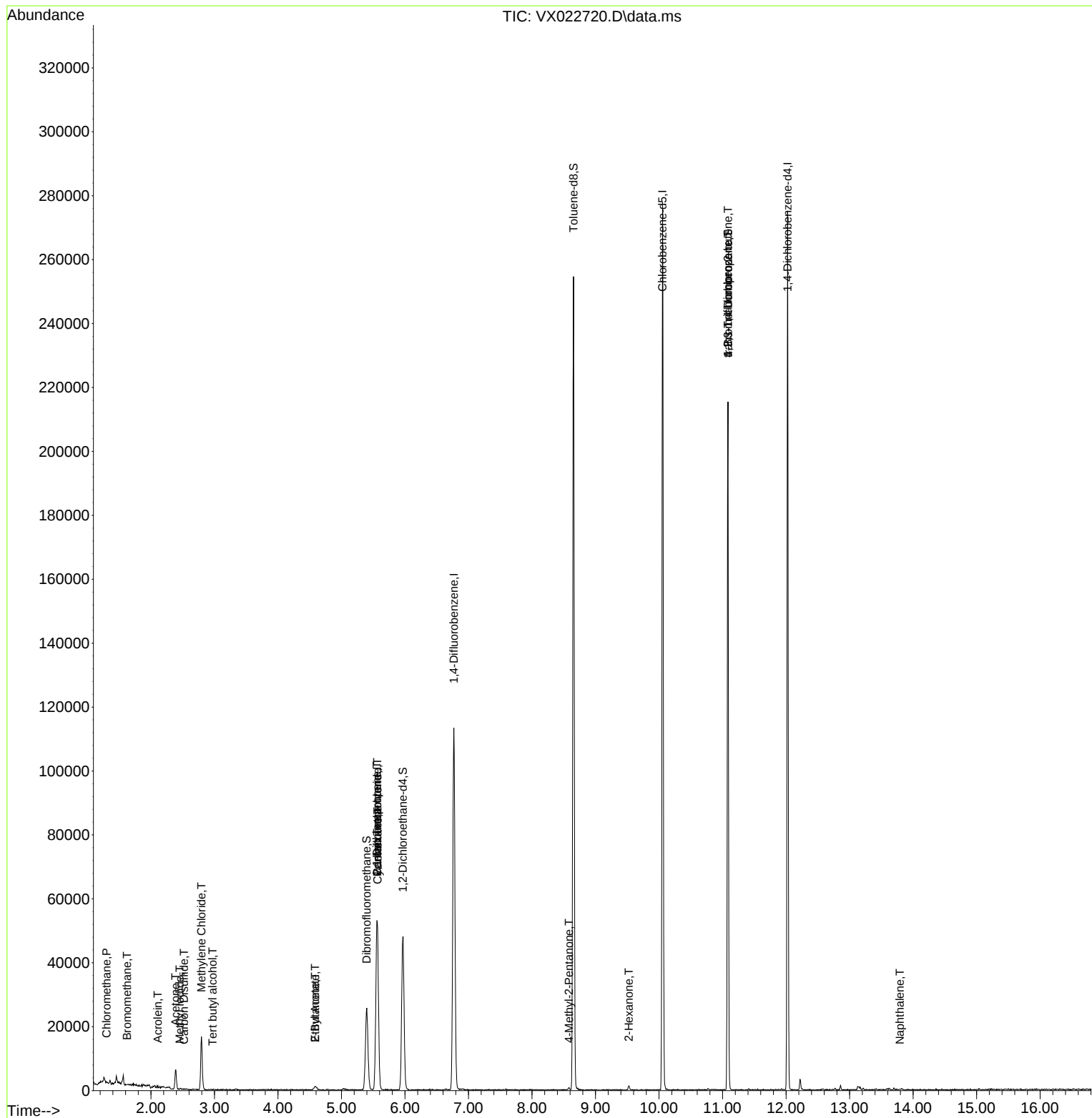
Internal Standards						
1) Pentafluorobenzene	5.562	168	45352	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	111239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	44844	54.98	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 109.96%		
35) Dibromofluoromethane	5.397	113	21323	30.04	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 60.08%#		
50) Toluene-d8	8.653	98	142946	51.09	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 102.18%		
62) 4-Bromofluorobenzene	11.085	95	57194	54.05	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 108.10%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	177	0.28	ug/l	# 42
5) Bromomethane	1.624	94	166	0.48	ug/l	# 75
10) Methyl Iodide	2.453	142	203	0.33	ug/l	# 84
11) Tert butyl alcohol	2.971	59	48	0.25	ug/l	# 73
13) Acrolein	2.105	56	23	0.29	ug/l	# 14
16) Acetone	2.386	43	6297	17.24	ug/l	96
17) Carbon Disulfide	2.520	76	276	0.22	ug/l	# 75
20) Methylene Chloride	2.794	84	6585	9.11	ug/l	# 77
25) 2-Butanone	4.587	43	1001	1.69	ug/l	# 83
31) Cyclohexane	5.568	56	1283	1.30	ug/l	# 64
36) 1,1-Dichloropropene	5.556	75	4715	4.25	ug/l	# 45
37) Ethyl Acetate	4.587	43	1001	0.71	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	5510	5.81	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.580	43	562	0.40	ug/l	# 62
59) 2-Hexanone	9.525	43	253	0.23	ug/l	# 19
76) 1,2,3-Trichloropropane	11.085	75	32329	25.80	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	32329	64.78	ug/l	# 12
95) Naphthalene	13.792	128	25	1.48	ug/l	# 69

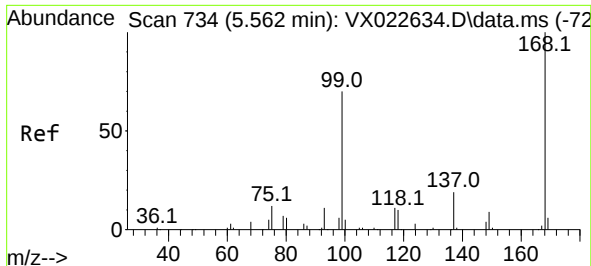
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
Response via : Initial Calibration

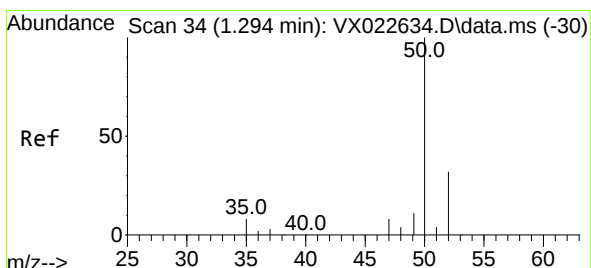
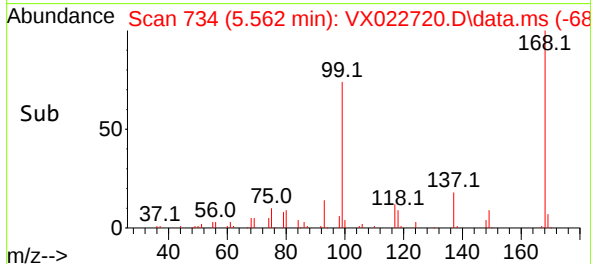
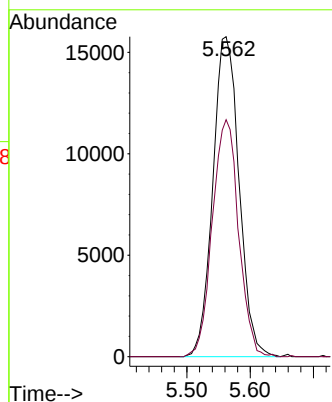
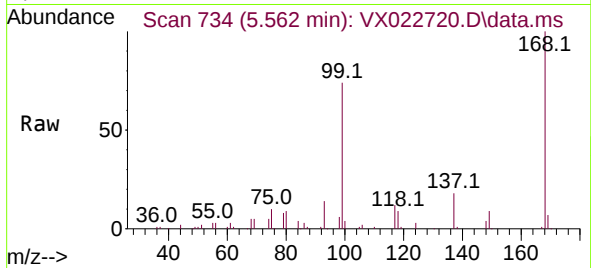




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

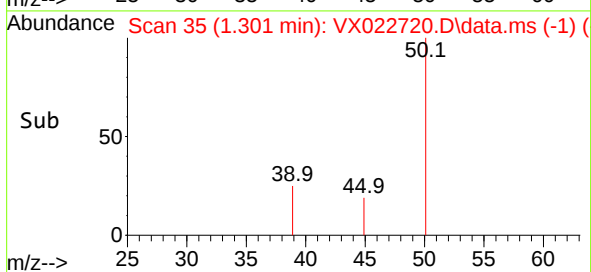
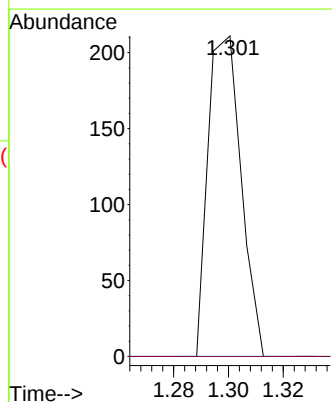
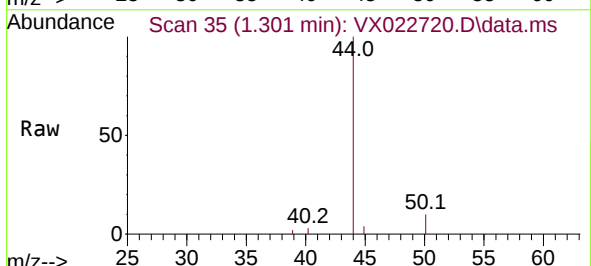
Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

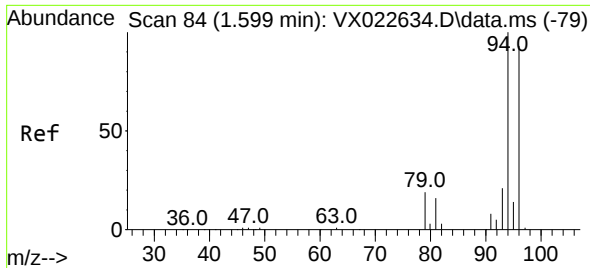
Tgt Ion:168 Resp: 45352
Ion Ratio Lower Upper
168 100
99 74.0 45.8 68.6#



#3
Chloromethane
Concen: 0.28 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 50 Resp: 177
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

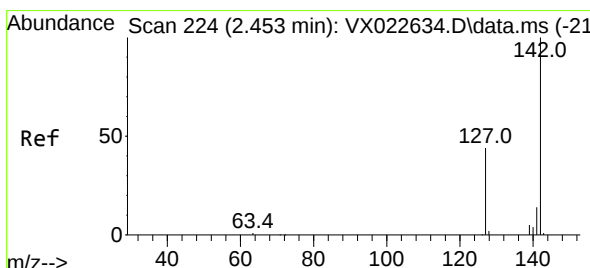
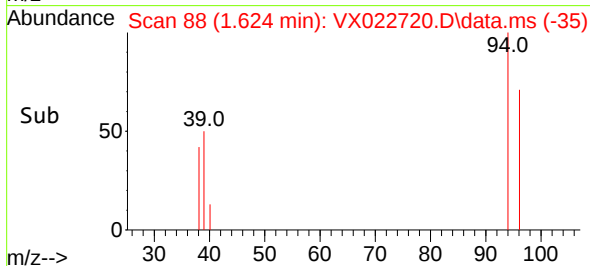
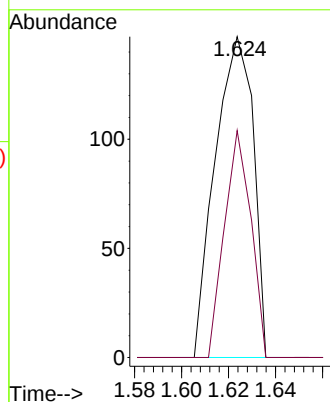
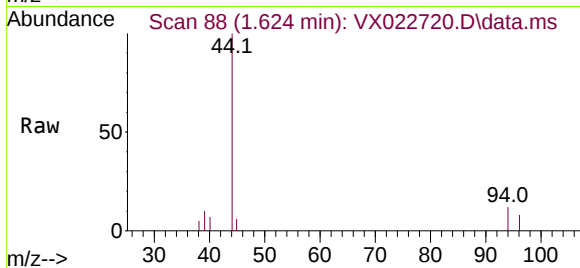




#5
Bromomethane
Concen: 0.48 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

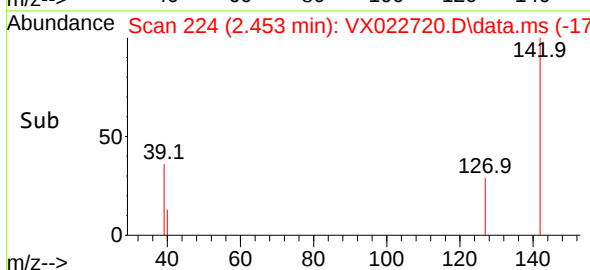
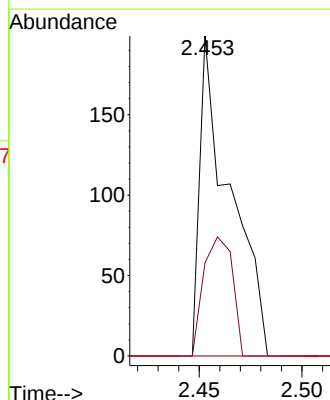
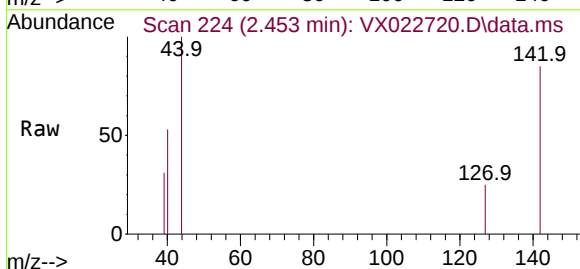
Instrument :
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ClientSampleId :
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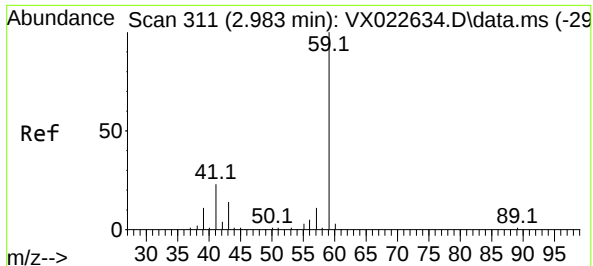
Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 70.7 76.4 114.6#



#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 142 Resp: 203
Ion Ratio Lower Upper
142 100
127 35.5 33.3 49.9
141 0.0 11.4 17.0#



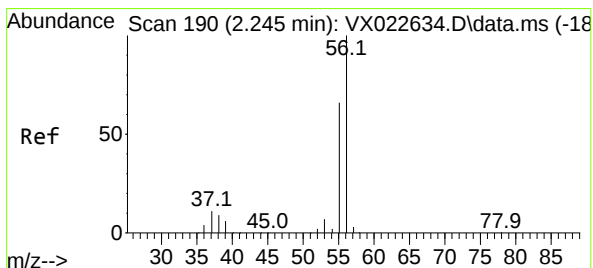
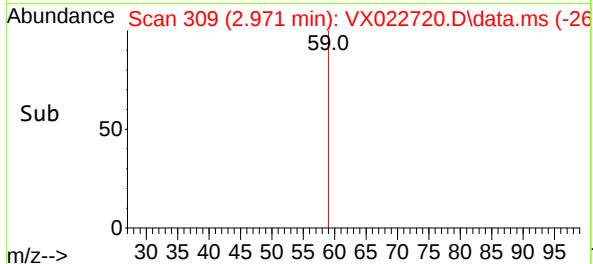
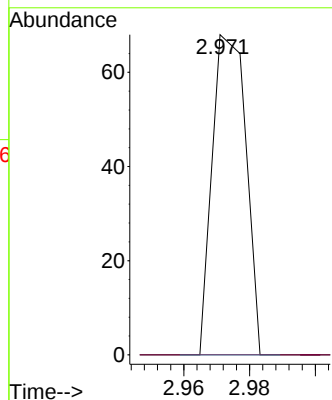
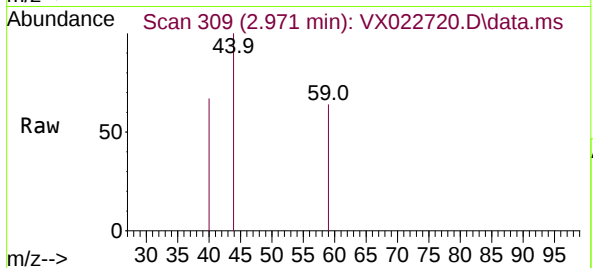


#11

Tert butyl alcohol
Concen: 0.25 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

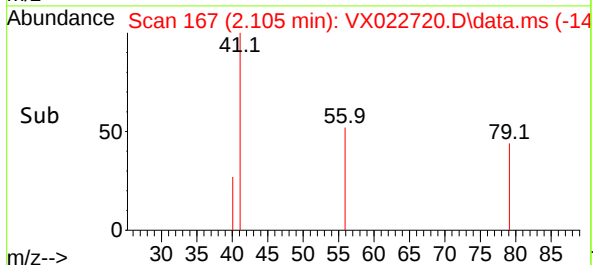
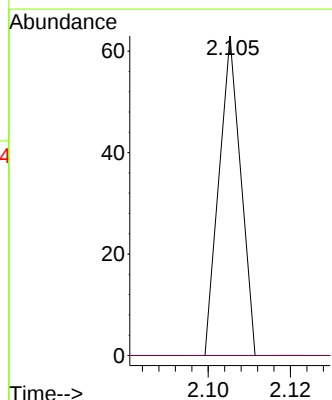
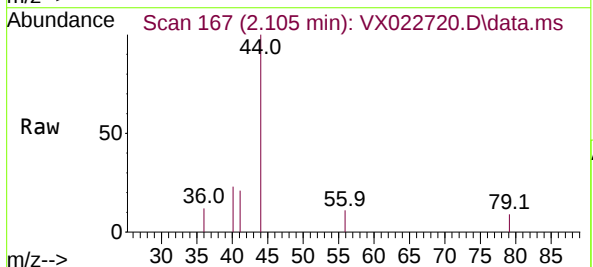
Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

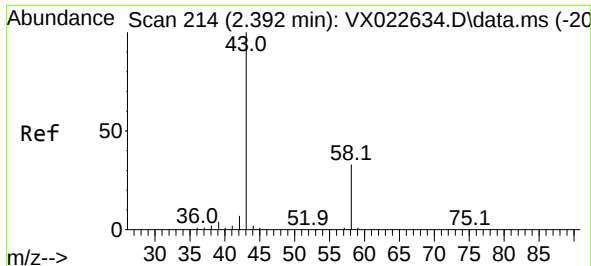


#13

Acrolein
Concen: 0.29 ug/l
RT: 2.105 min Scan# 167
Delta R.T. -0.134 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

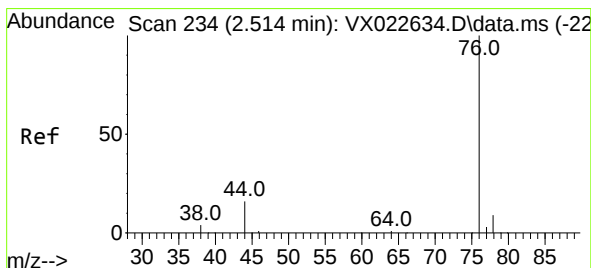
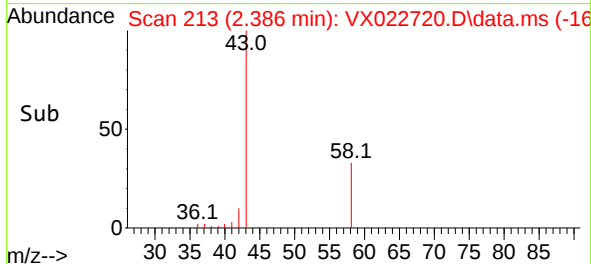
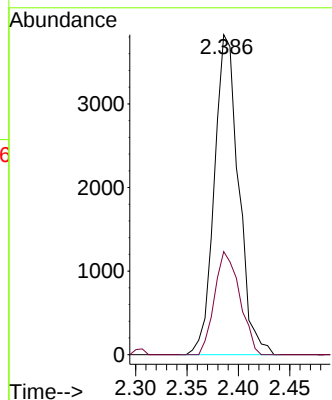
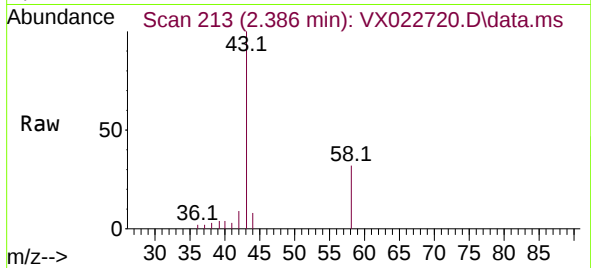




#16
Acetone
Concen: 17.24 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

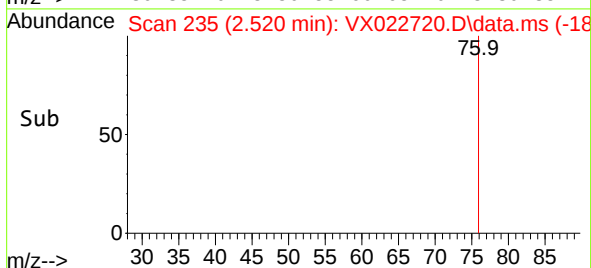
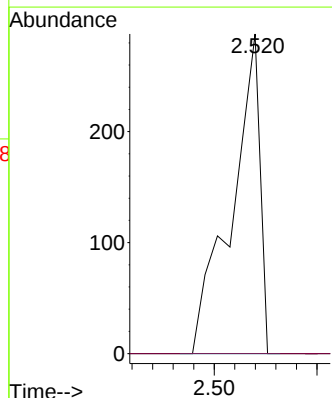
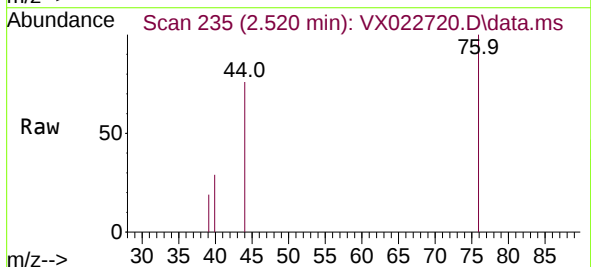
Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

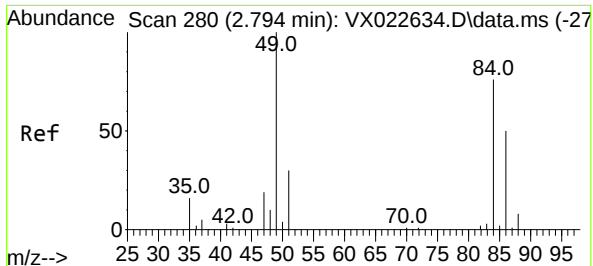
Tgt Ion: 43 Resp: 6297
Ion Ratio Lower Upper
43 100
58 32.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 76 Resp: 276
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 9.11 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022720.D

Acq: 16 Jun 2021 14:40

Tgt Ion: 84 Resp: 6585

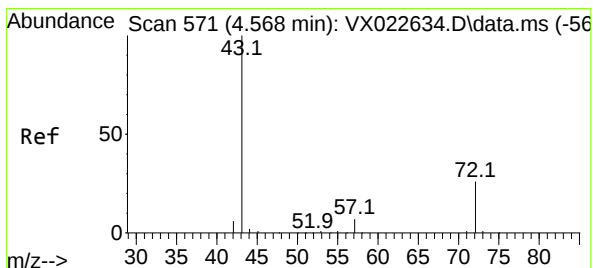
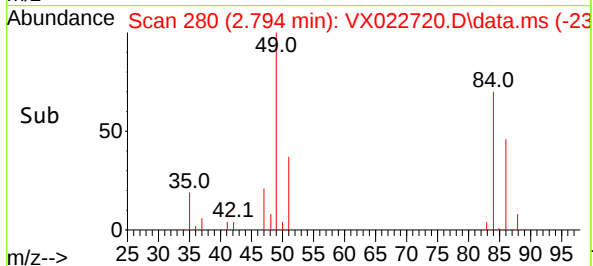
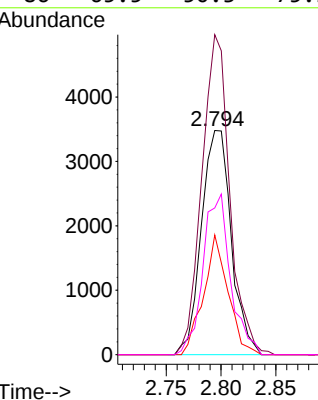
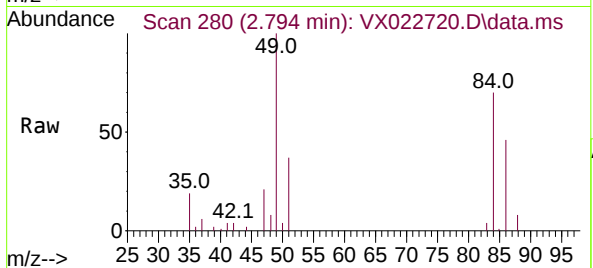
Ion Ratio Lower Upper

84 100

49 142.8 88.6 132.8#

51 53.4 27.0 40.6#

86 65.5 50.3 75.5



#25

2-Butanone

Concen: 1.69 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX022720.D

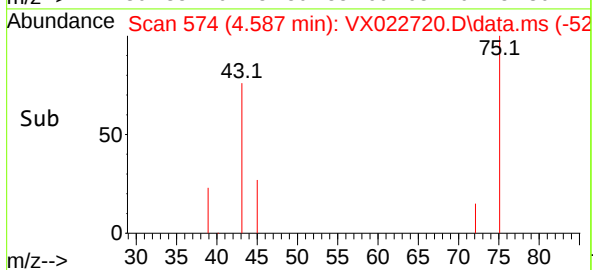
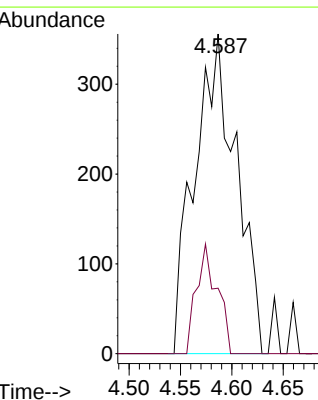
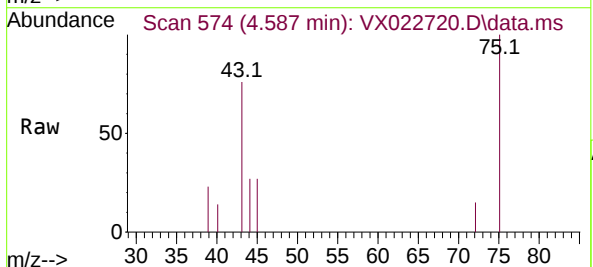
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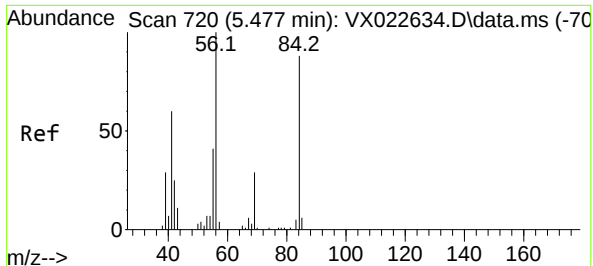
Tgt Ion: 43 Resp: 1001

Ion Ratio Lower Upper

43 100

72 20.5 23.7 35.5#

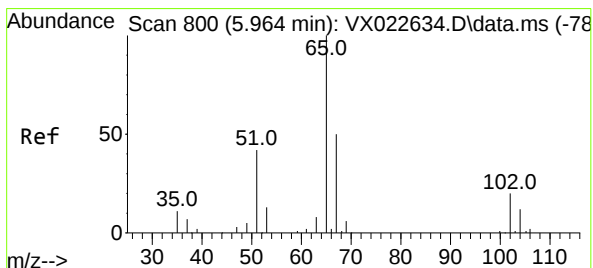
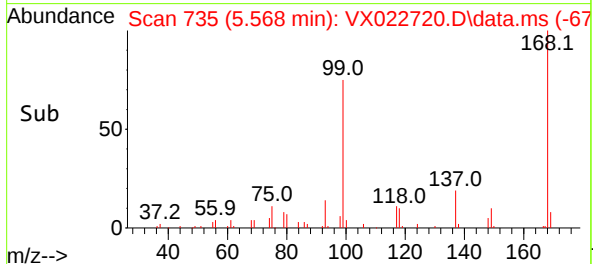
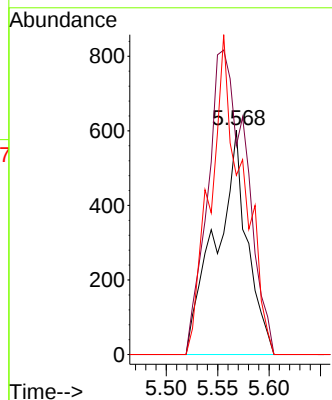
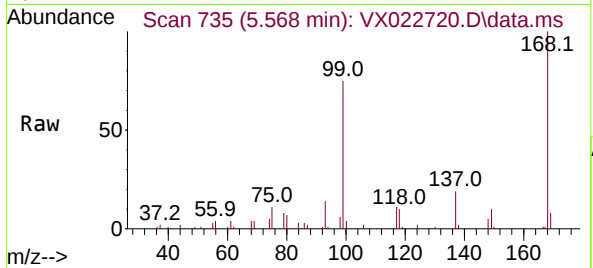




#31
Cyclohexane
Concen: 1.30 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

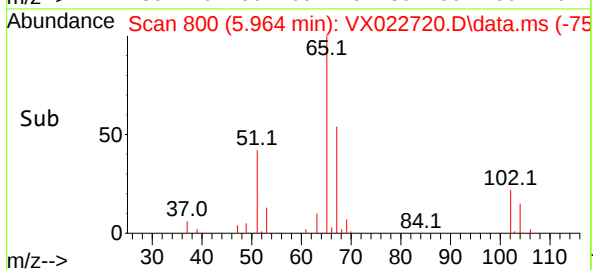
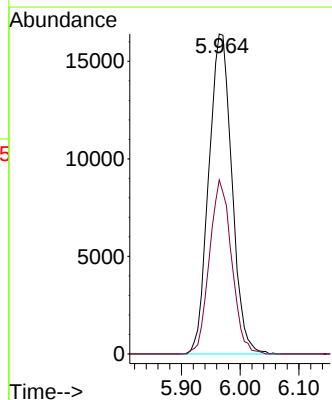
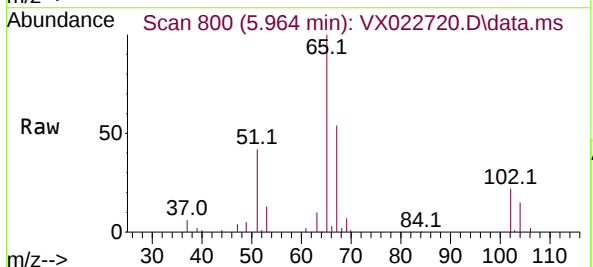
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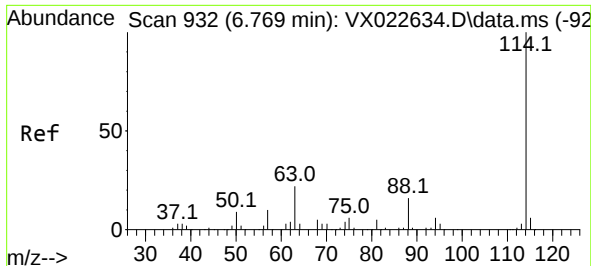
Tgt Ion: 56 Resp: 1283
Ion Ratio Lower Upper
56 100
69 93.0 25.3 37.9#
84 79.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 54.98 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 65 Resp: 44844
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

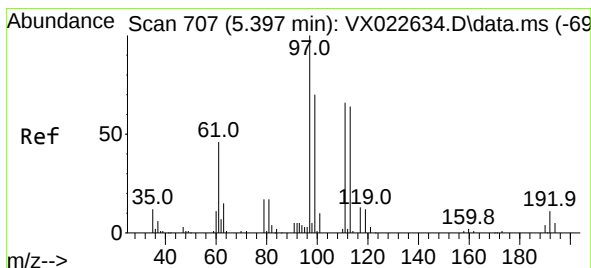
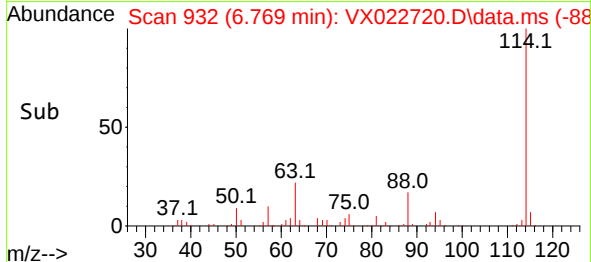
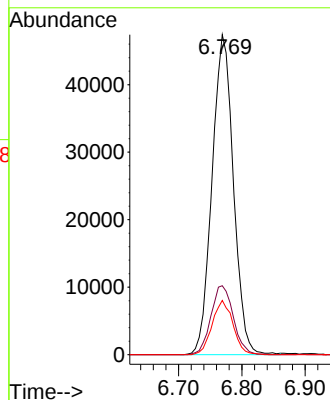
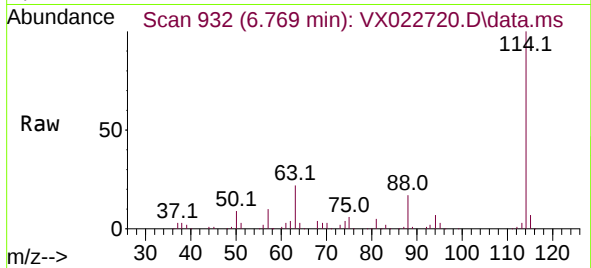




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

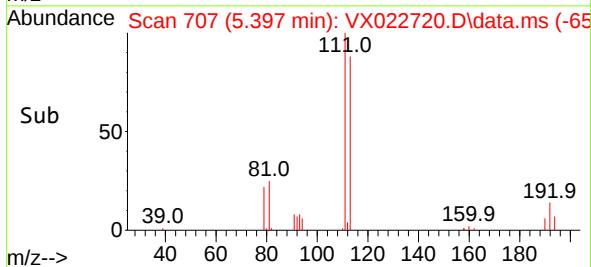
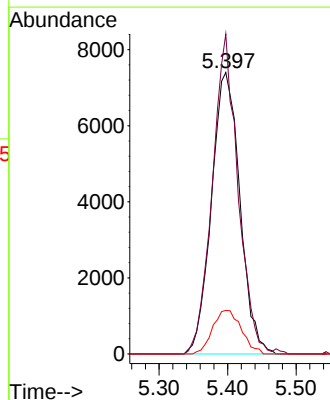
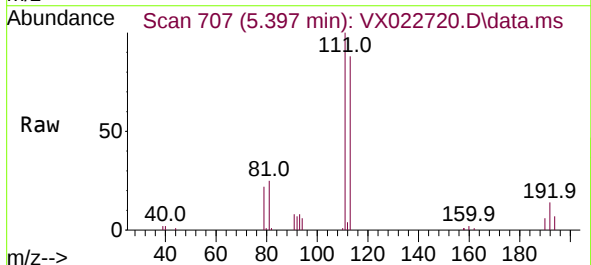
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MSVOA_X
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SPLP-AMND-COMP-K(CL-16)RE

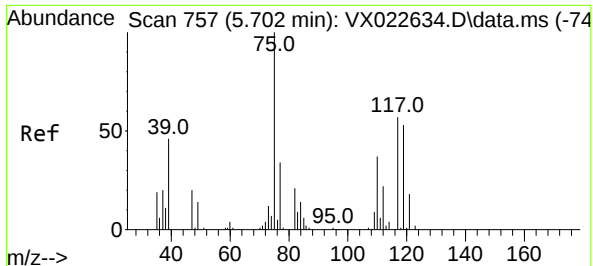
Tgt Ion:114 Resp: 111239
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 30.04 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion:113 Resp: 21323
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 15.7 16.7 25.1#

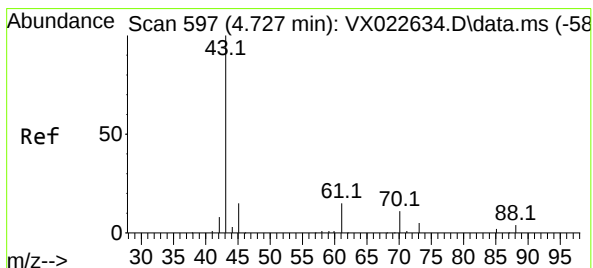
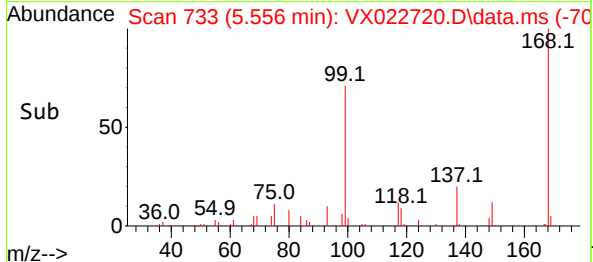
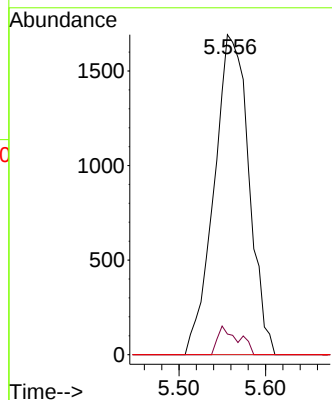
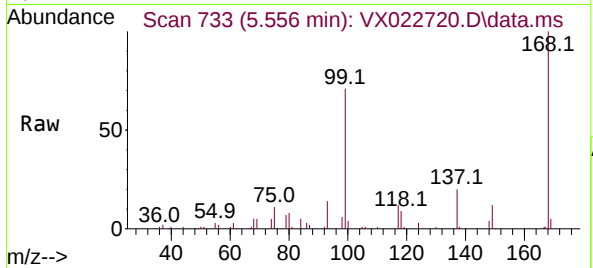




#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

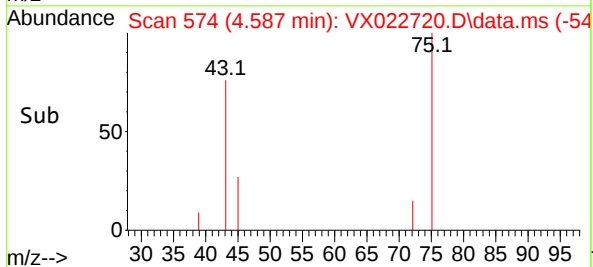
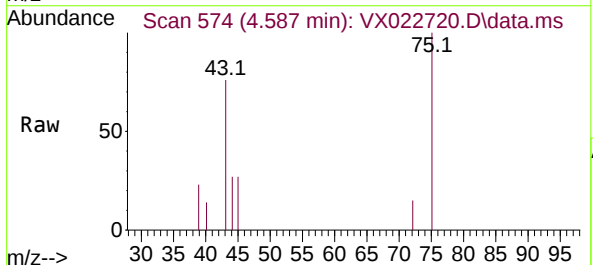
Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

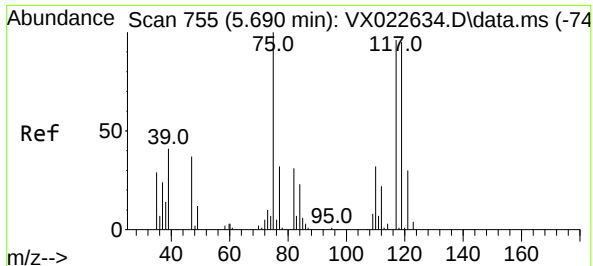
Tgt Ion: 75 Resp: 4715
Ion Ratio Lower Upper
75 100
110 5.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.71 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.140 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

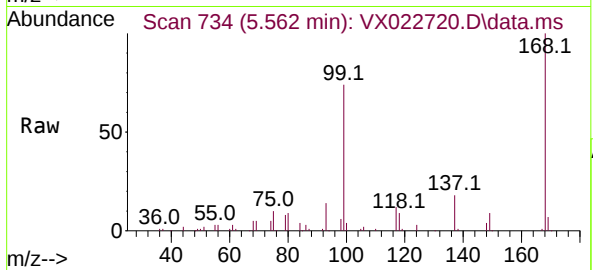
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



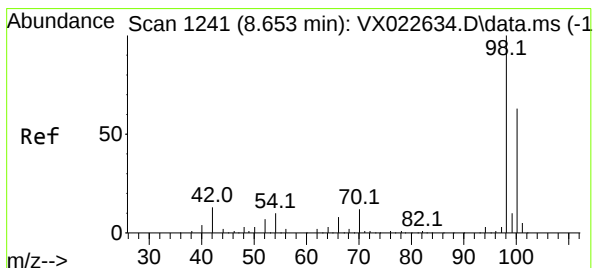
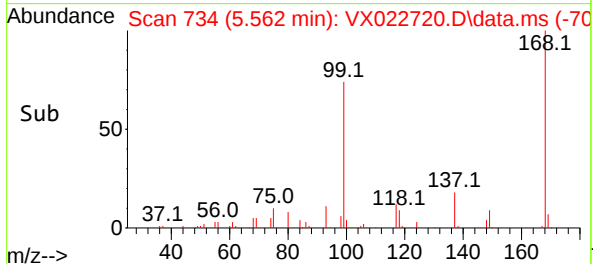
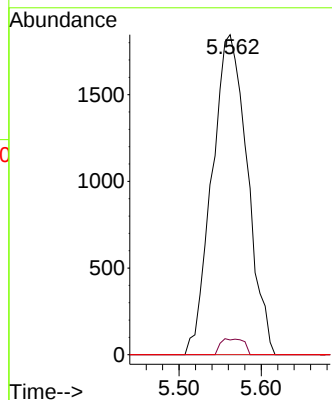


#38
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

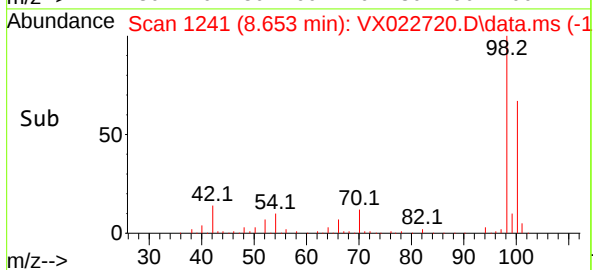
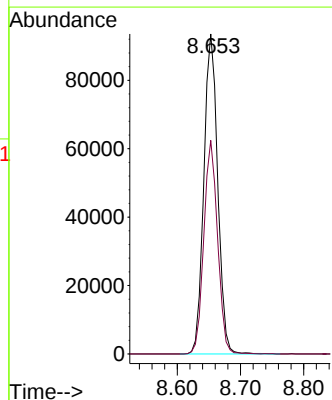
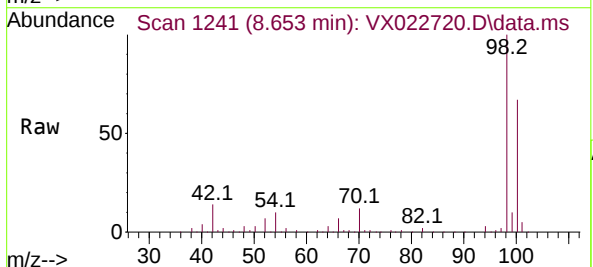


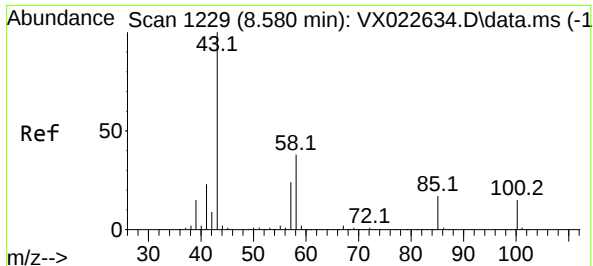
Tgt Ion:117 Resp: 5510
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.09 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 98 Resp: 142946
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

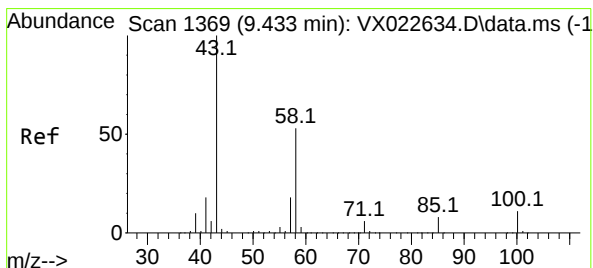
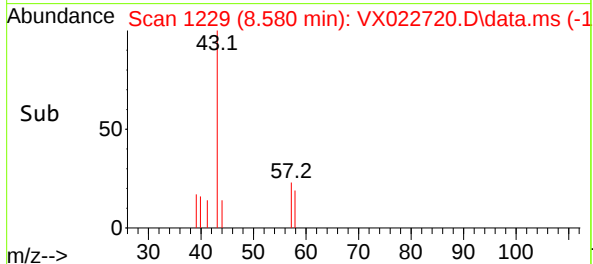
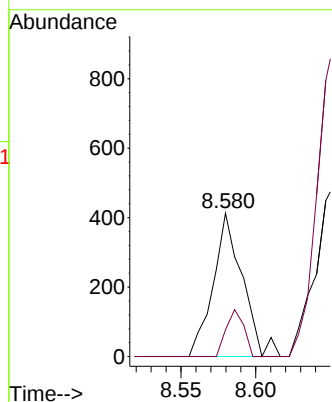
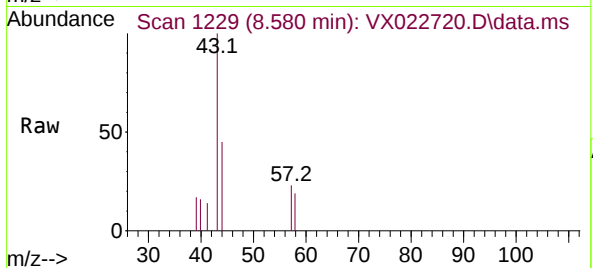




#51
4-Methyl-2-Pentanone
Concen: 0.40 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

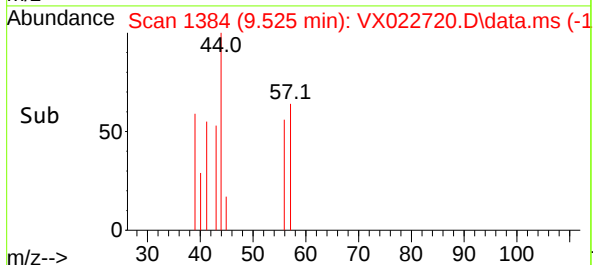
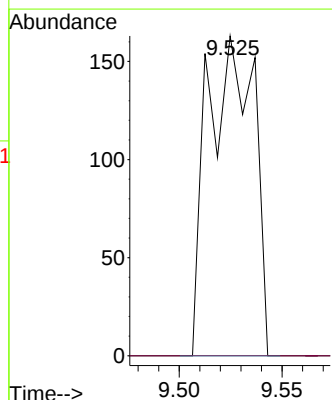
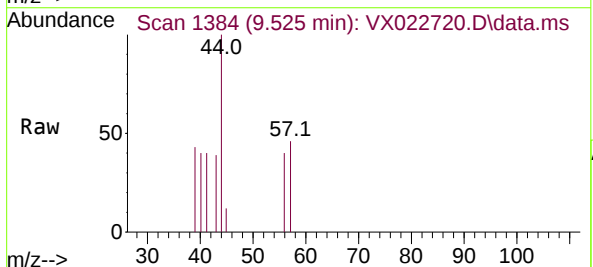
Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

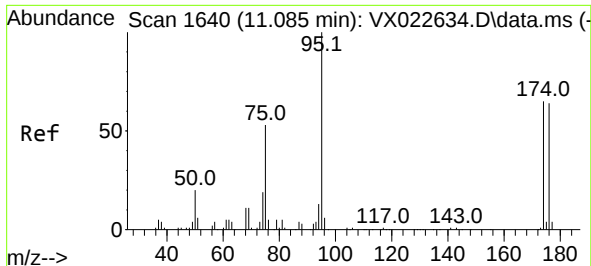
Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
58 19.8 35.4 53.0#



#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.092 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

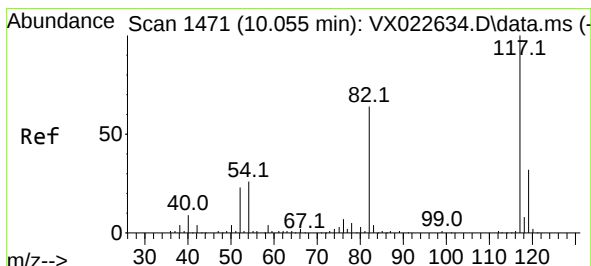
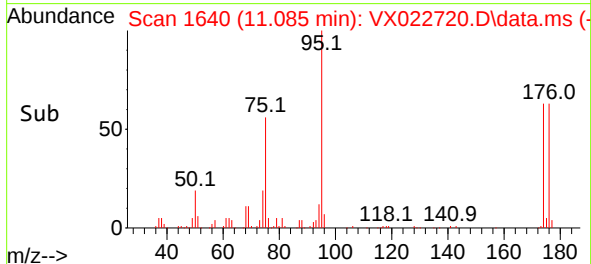
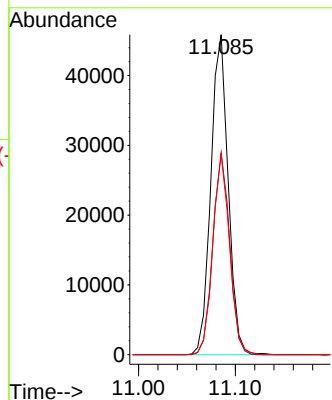
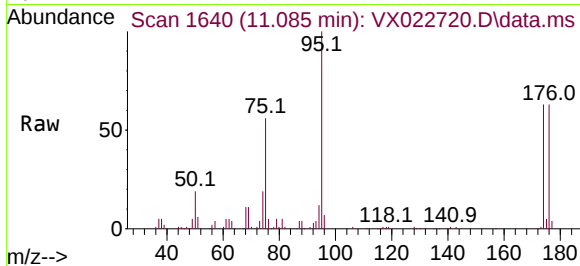




#62
4-Bromofluorobenzene
Concen: 54.05 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

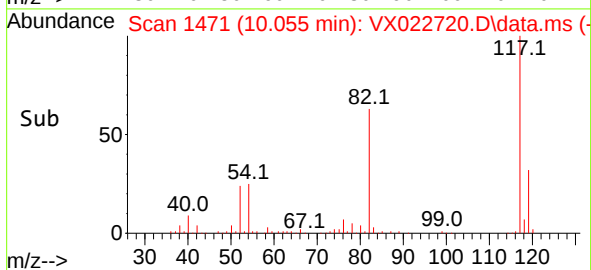
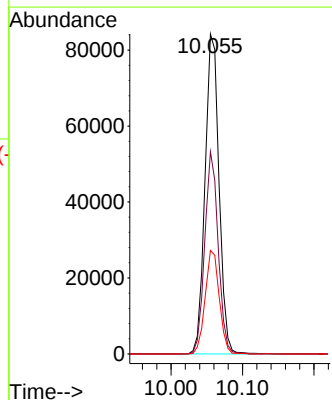
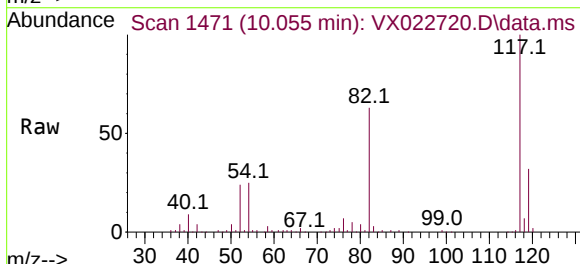
Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

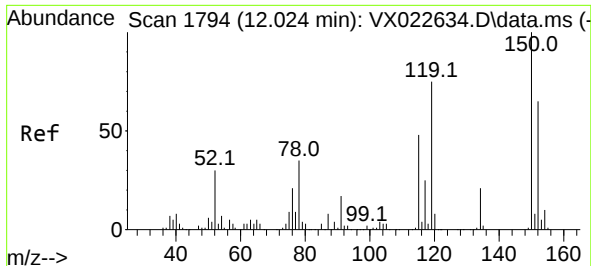
Tgt Ion: 95 Resp: 57194
Ion Ratio Lower Upper
95 100
174 61.3 0.0 154.6
176 60.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 117 Resp: 114599
Ion Ratio Lower Upper
117 100
82 63.2 47.4 71.2
119 32.4 26.6 39.8

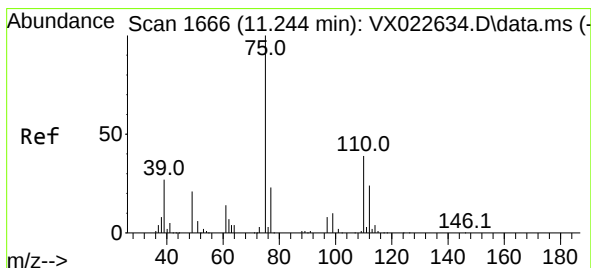
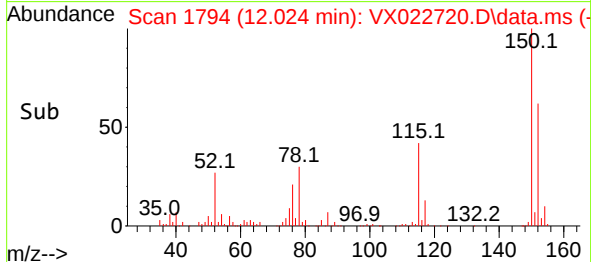
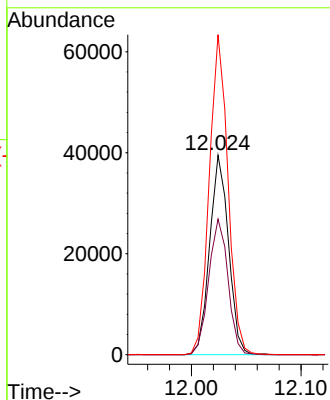
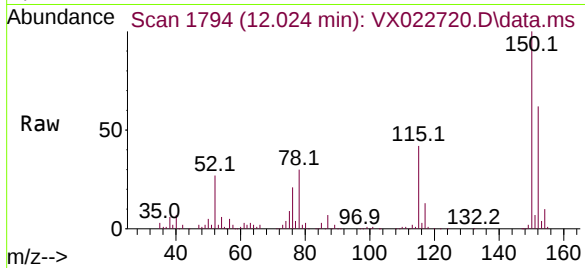




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022720.D
 Acq: 16 Jun 2021 14:40

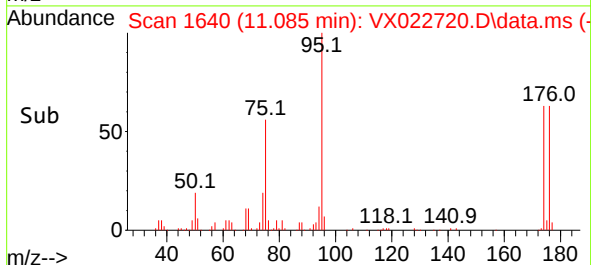
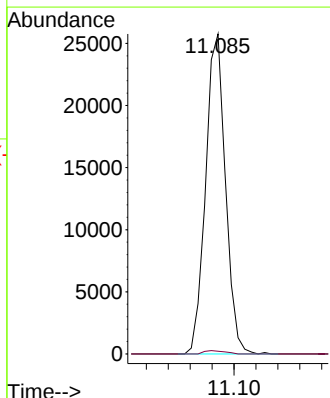
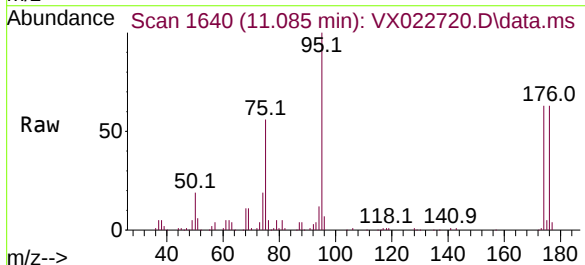
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-AMND-COMP-K(CL-16)RE

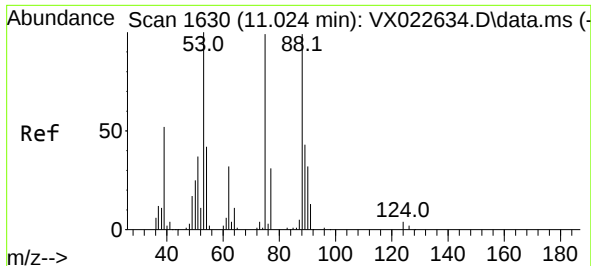
Tgt Ion:152 Resp: 47255
 Ion Ratio Lower Upper
 152 100
 115 69.5 41.1 123.3
 150 158.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.80 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022720.D
 Acq: 16 Jun 2021 14:40

Tgt Ion: 75 Resp: 32329
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

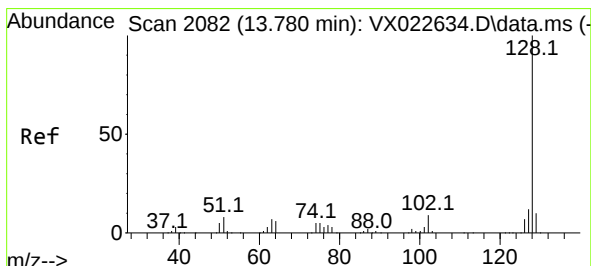
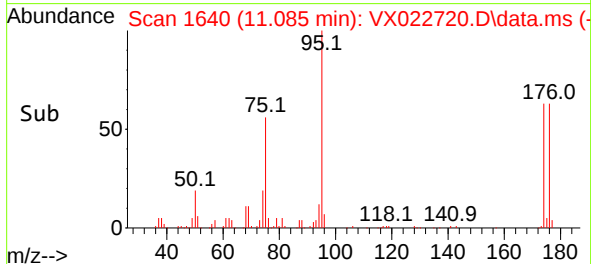
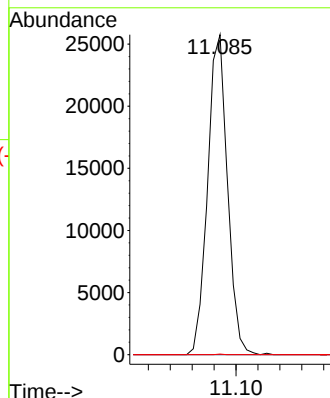
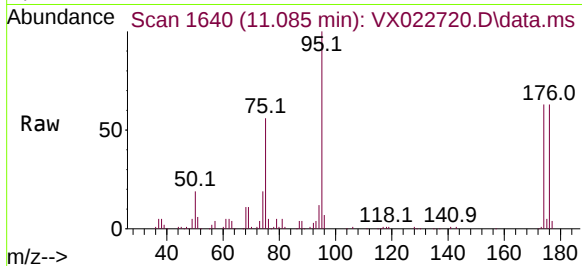




#81
trans-1,4-Dichloro-2-butene
Concen: 64.78 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Instrument :
MSVOA_X
ClientSampleId :
SPLP-AMND-COMP-K(CL-16)RE

Tgt Ion: 75 Resp: 32329
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.48 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX022720.D
Acq: 16 Jun 2021 14:40

Tgt Ion: 128 Resp: 25
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

