

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040118.D
 Acq On : 05 Feb 2024 16:03
 Operator : JC/MD
 Sample : P1141-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2-0-2D

Quant Time: Feb 06 03:02:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

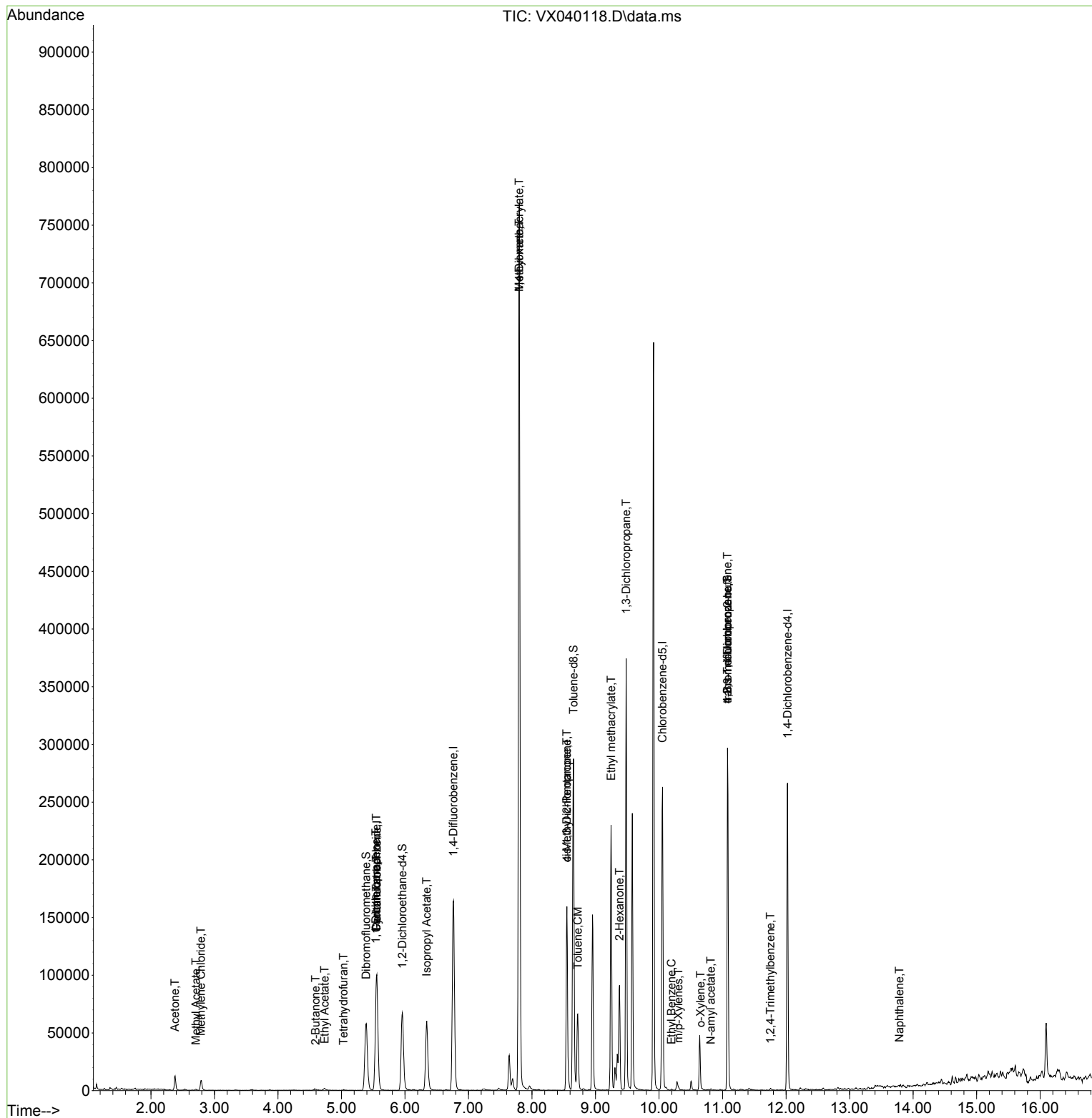
Internal Standards						
1) Pentafluorobenzene	5.556	168	91826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64772	43.829	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.660%		
35) Dibromofluoromethane	5.385	113	50719	43.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.000%		
50) Toluene-d8	8.653	98	165368	38.360	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	76.720%#		
62) 4-Bromofluorobenzene	11.079	95	77730	46.827	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.660%		
Target Compounds					Qvalue	
16) Acetone	2.379	43	12799	18.484	ug/l	96
18) Methyl Acetate	2.708	43	1120	0.683	ug/l	94
20) Methylene Chloride	2.788	84	4079	3.315	ug/l	96
25) 2-Butanone	4.592	43	1484	1.542	ug/l #	86
29) Tetrahydrofuran	5.031	42	345	0.564	ug/l #	34
31) Cyclohexane	5.549	56	2346	1.267	ug/l #	30
36) 1,1-Dichloropropene	5.543	75	7668	4.599	ug/l #	52
37) Ethyl Acetate	4.733	43	3259	1.790	ug/l #	88
38) Carbon Tetrachloride	5.549	117	10099	6.331	ug/l #	14
43) Isopropyl Acetate	6.342	43	82724	28.811	ug/l	98
48) Methyl methacrylate	7.799	41	65149	46.062	ug/l #	48
49) 1,4-Dioxane	7.799	88	37	1.204	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56114	28.630	ug/l #	50
52) Toluene	8.720	92	25458	8.412	ug/l	96
54) cis-1,3-Dichloropropene	8.549	75	24636	12.988	ug/l #	60
56) Ethyl methacrylate	9.244	69	487	0.266	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3113	1.509	ug/l #	42
59) 2-Hexanone	9.378	43	69939	44.754	ug/l #	26
67) Ethyl Benzene	10.195	91	874	0.232	ug/l	91
68) m/p-Xylenes	10.305	106	575	0.405	ug/l	81
69) o-Xylene	10.652	106	425	0.316	ug/l	69
74) N-amyl acetate	10.817	43	406	0.457	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	41237	40.154	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41237	108.883	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	755	0.254	ug/l	75
95) Naphthalene	13.786	128	1050	0.318	ug/l #	82

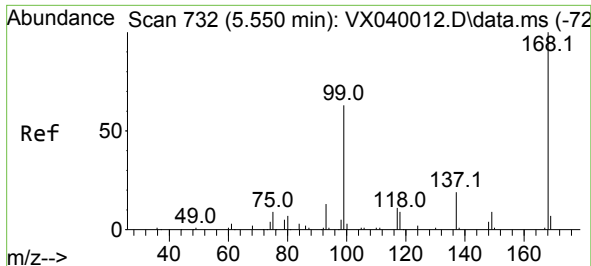
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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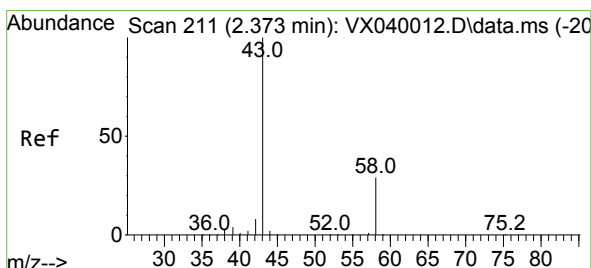
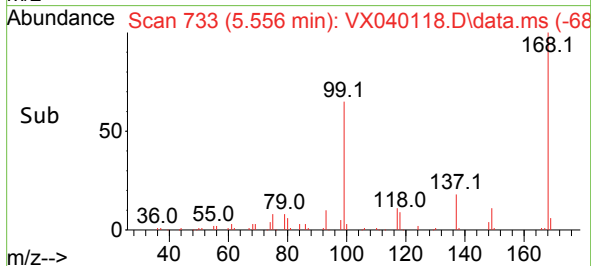
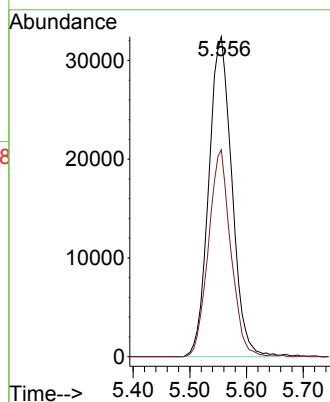
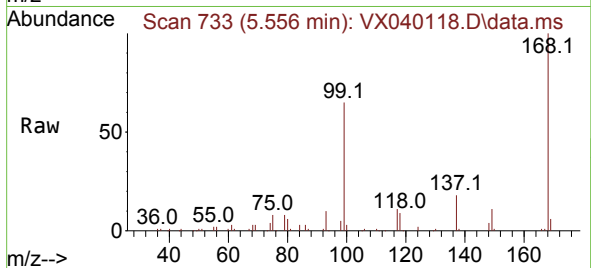




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

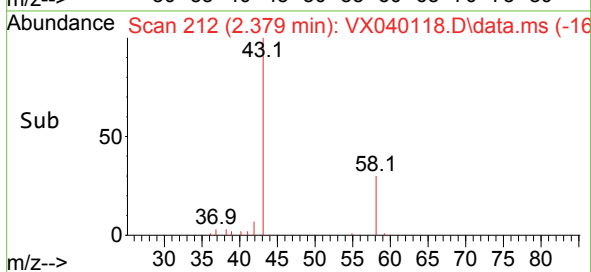
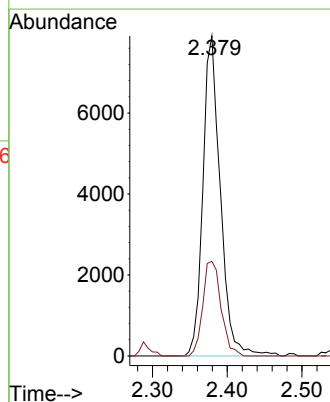
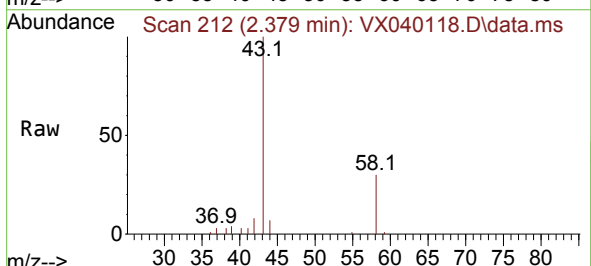
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

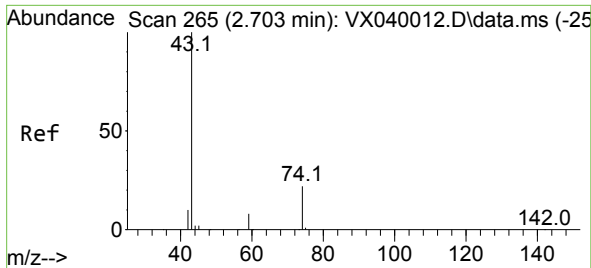
Tgt Ion:168 Resp: 91826
Ion Ratio Lower Upper
168 100
99 64.6 56.6 85.0



#16
Acetone
Concen: 18.484 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 43 Resp: 12799
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9

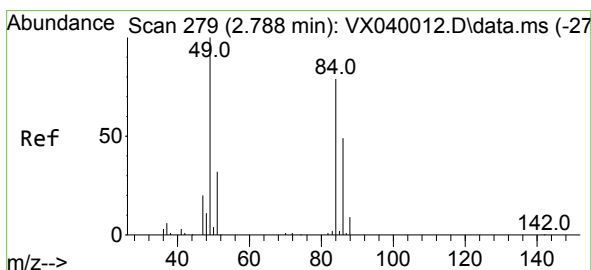
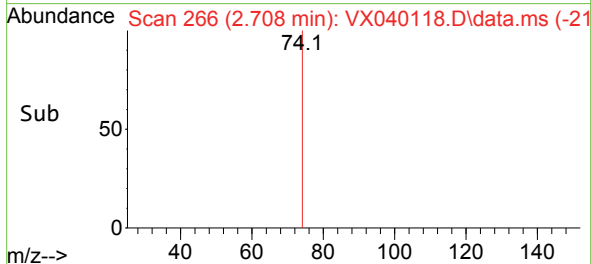
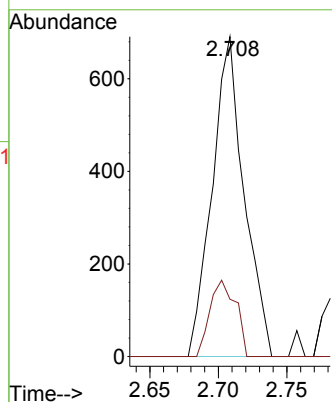
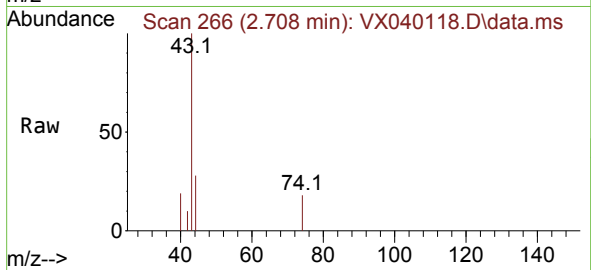




#18
Methyl Acetate
Concen: 0.683 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

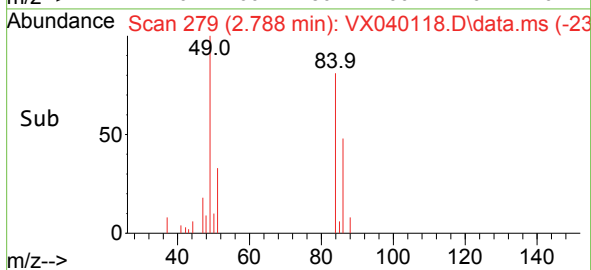
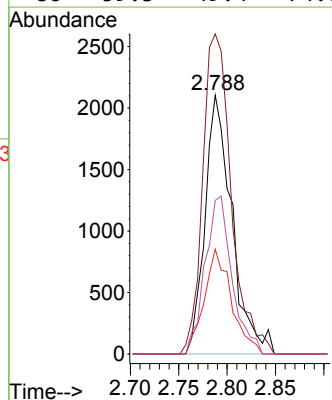
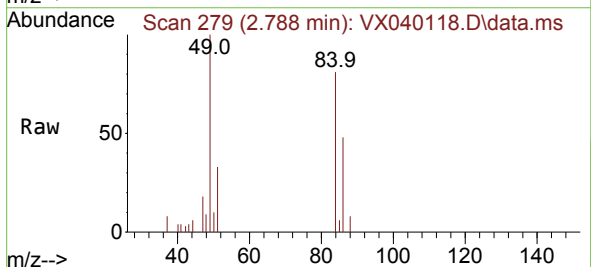
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

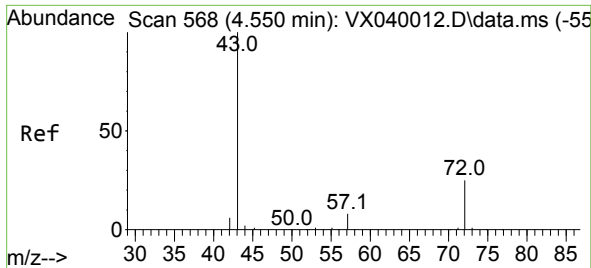
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8



#20
Methylene Chloride
Concen: 3.315 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 84 Resp: 4079
Ion Ratio Lower Upper
84 100
49 123.7 103.6 155.4
51 40.5 33.8 50.6
86 59.3 49.4 74.0

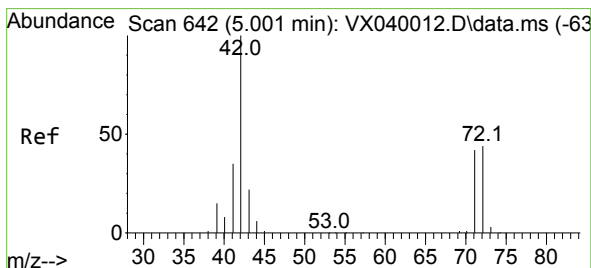
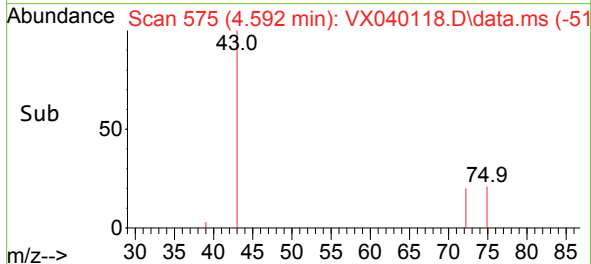
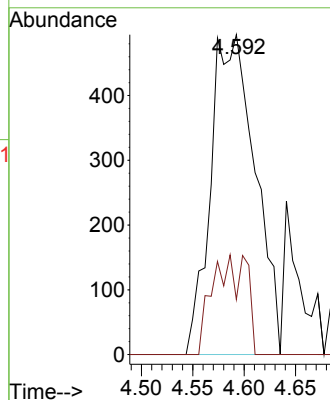
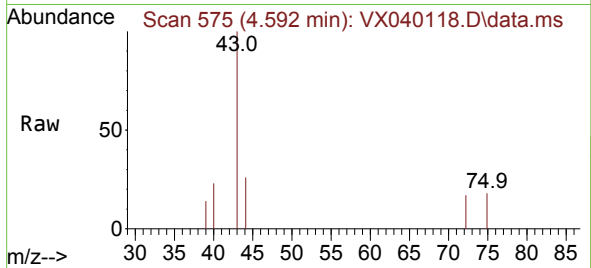




#25
2-Butanone
Concen: 1.542 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.042 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

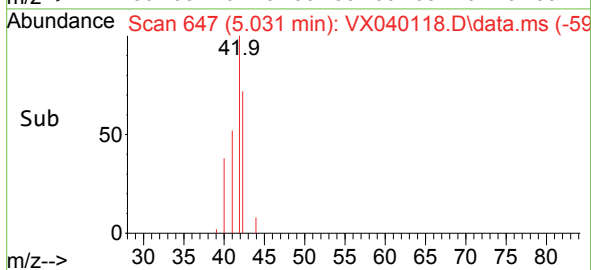
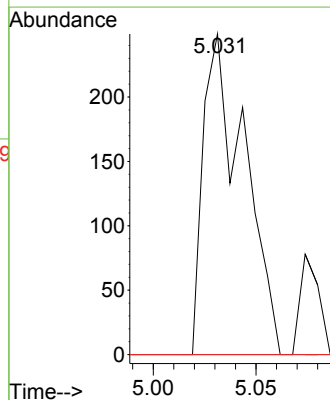
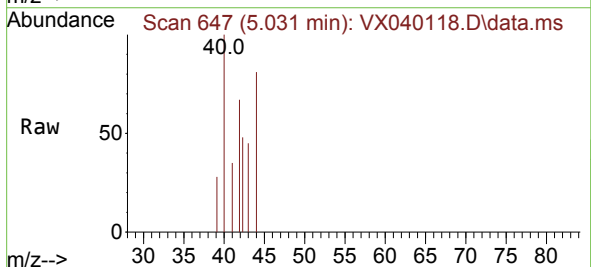
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

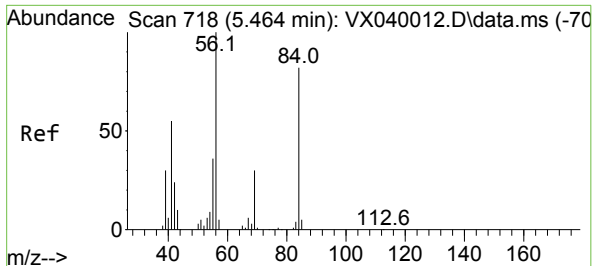
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
72 17.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.564 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 42 Resp: 345
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

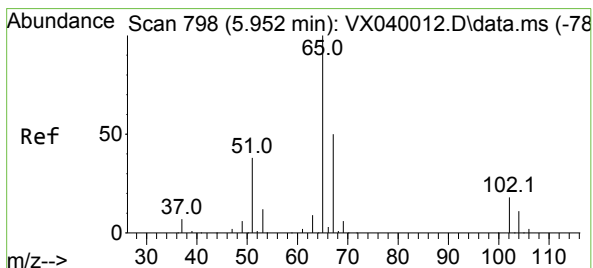
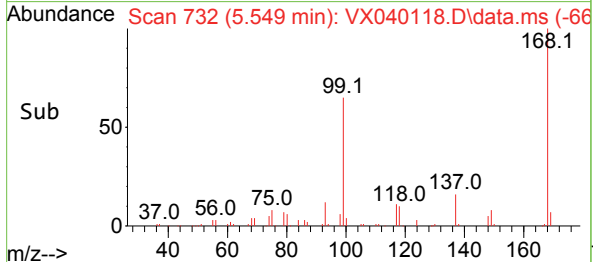
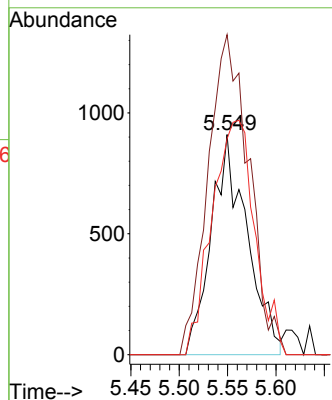
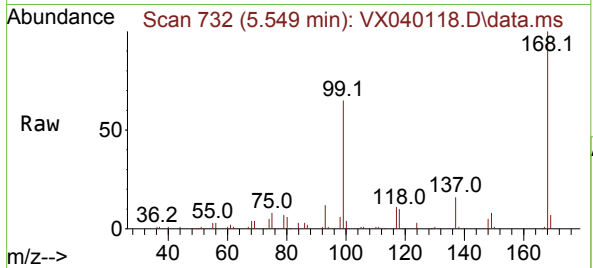




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

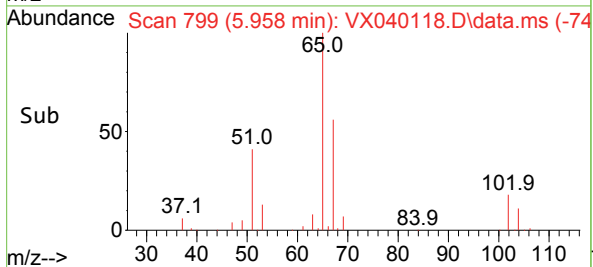
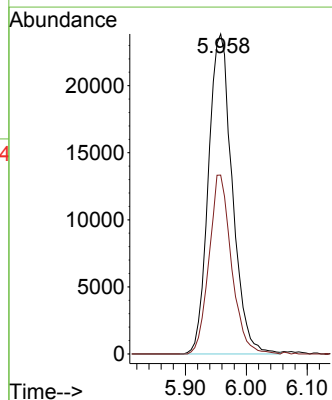
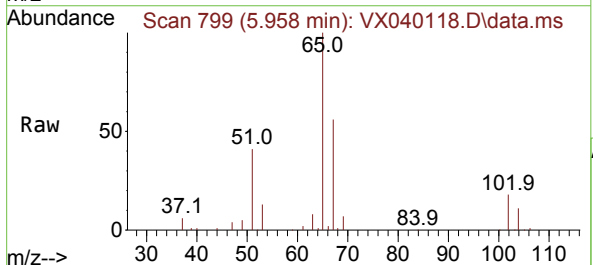
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

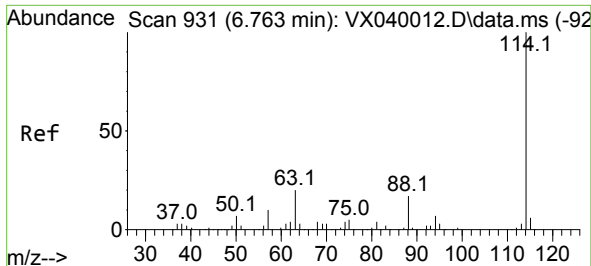
Tgt Ion: 56 Resp: 2346
Ion Ratio Lower Upper
56 100
69 145.3 23.4 35.2#
84 98.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 43.829 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 65 Resp: 64772
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

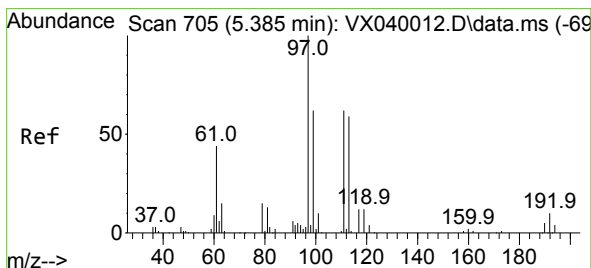
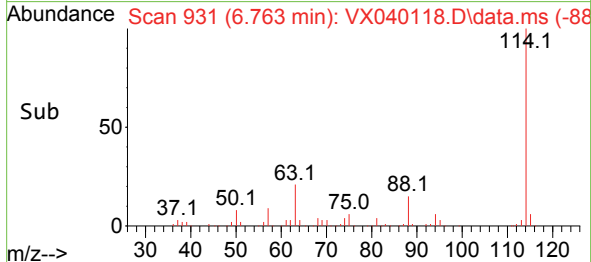
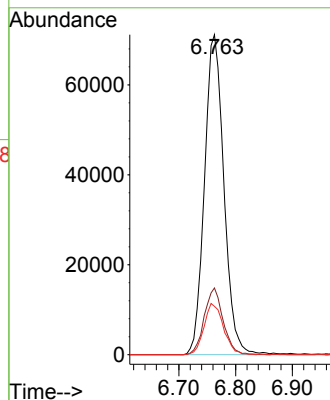
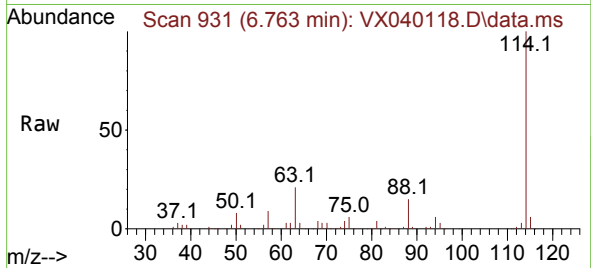




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

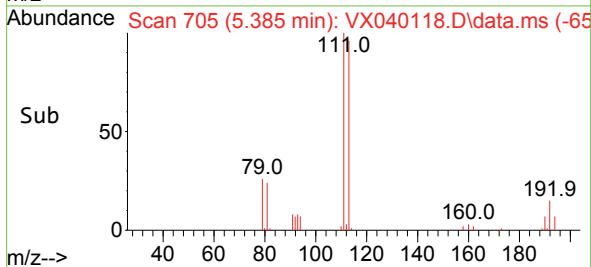
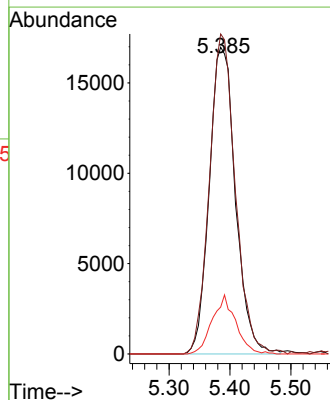
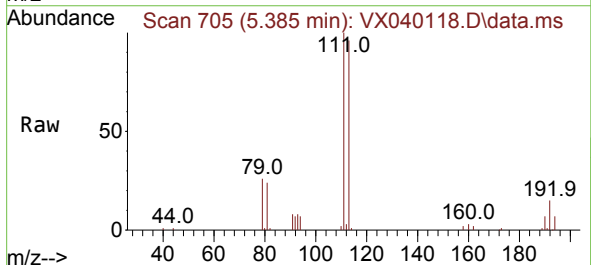
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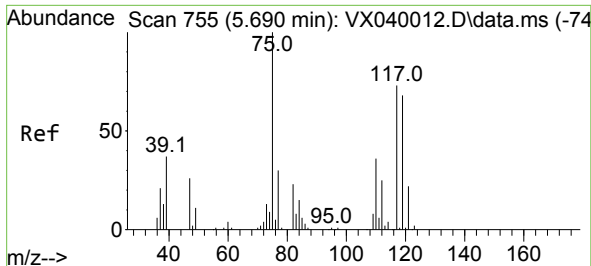
Tgt Ion:114 Resp: 169338
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.999 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion:113 Resp: 50719
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 17.3 13.3 19.9

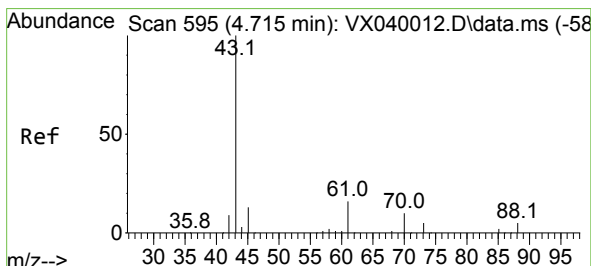
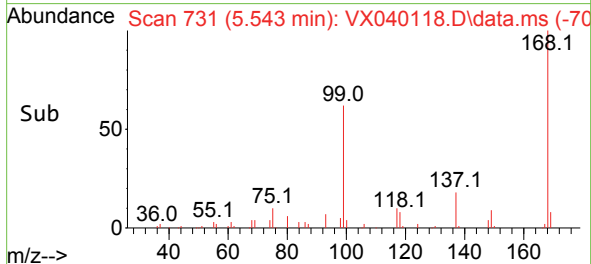
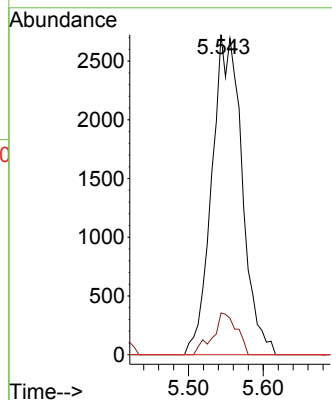
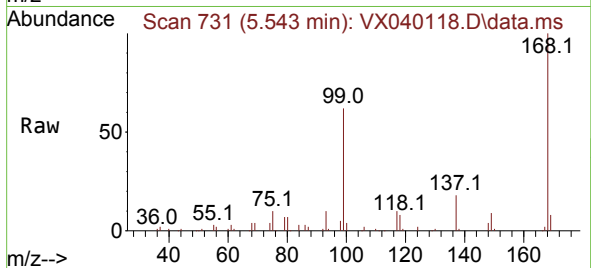




#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

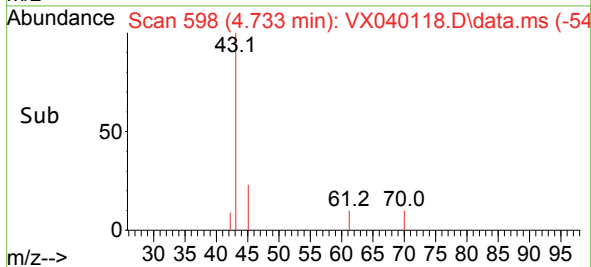
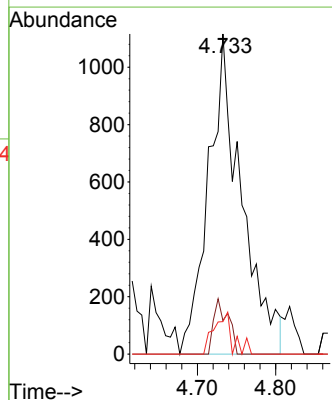
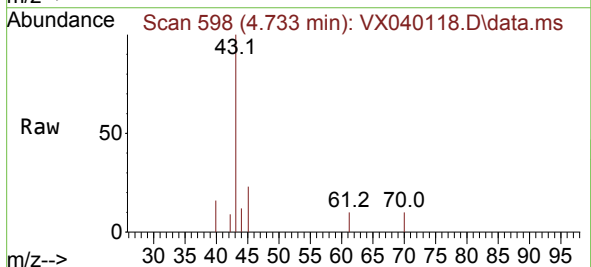
Instrument :
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EB-2-0-2D

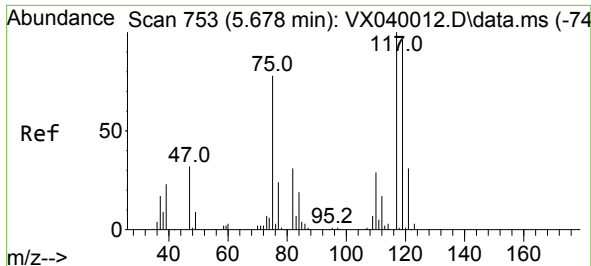
Tgt Ion: 75 Resp: 7668
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.790 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

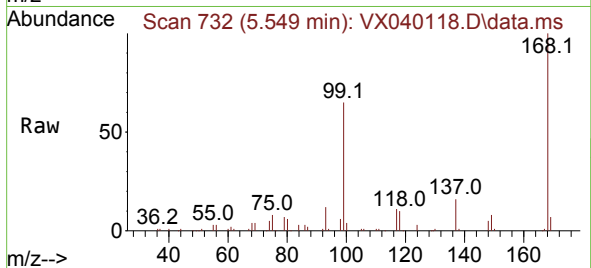
Tgt Ion: 43 Resp: 3259
Ion Ratio Lower Upper
43 100
61 7.5 10.6 16.0#
70 7.3 8.3 12.5#



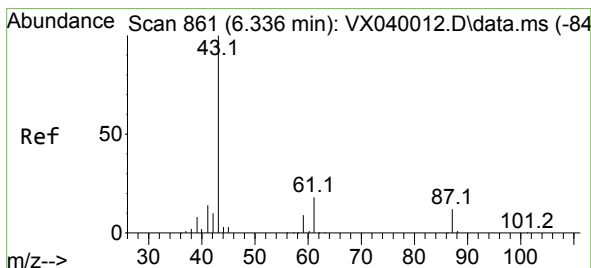
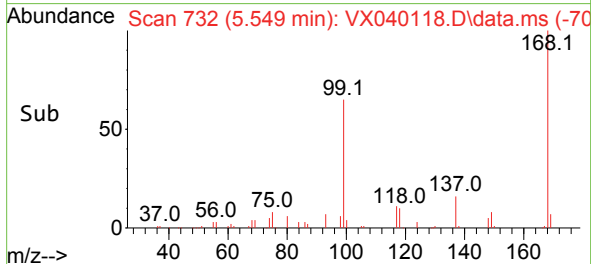
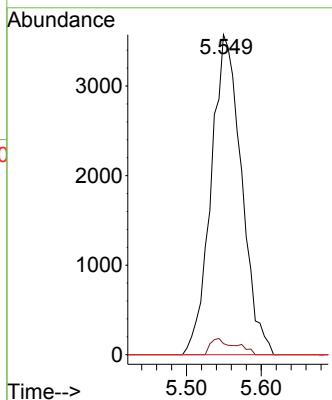


#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

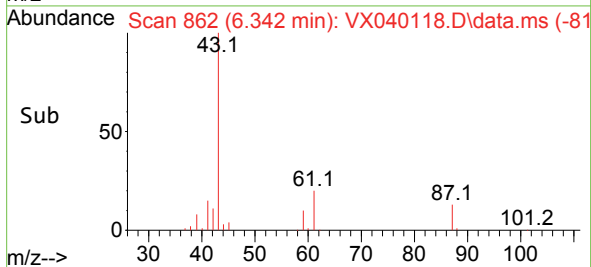
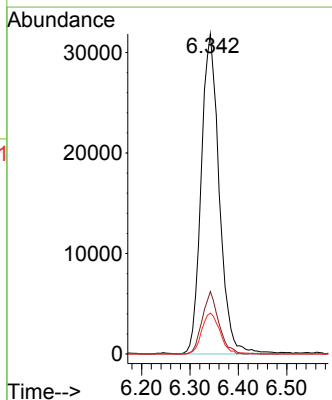
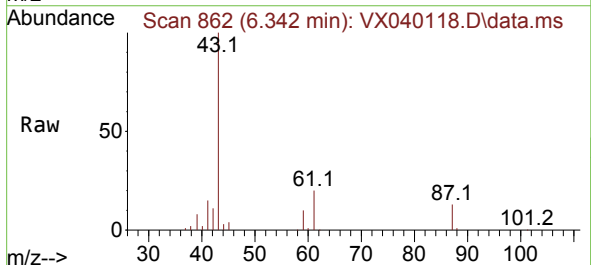


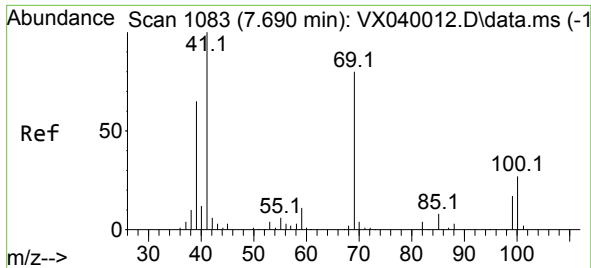
Tgt Ion:117 Resp: 10099
Ion Ratio Lower Upper
117 100
119 3.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.811 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 43 Resp: 82724
Ion Ratio Lower Upper
43 100
61 17.8 15.2 22.8
87 12.7 9.8 14.6

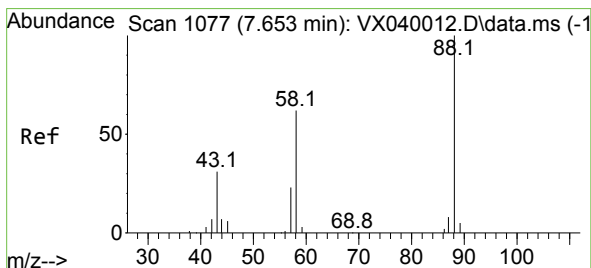
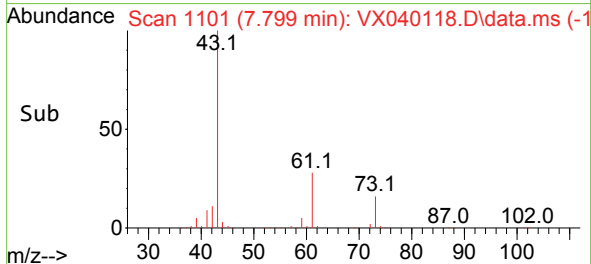
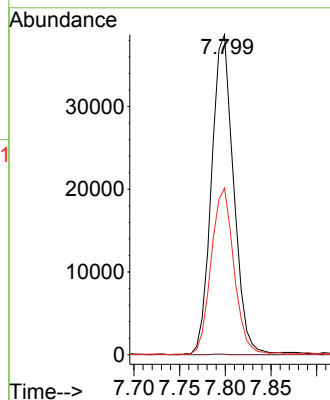
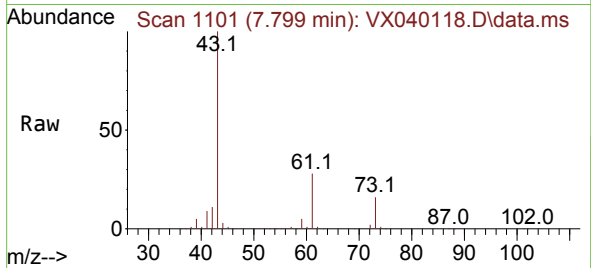




#48
Methyl methacrylate
Concen: 46.062 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

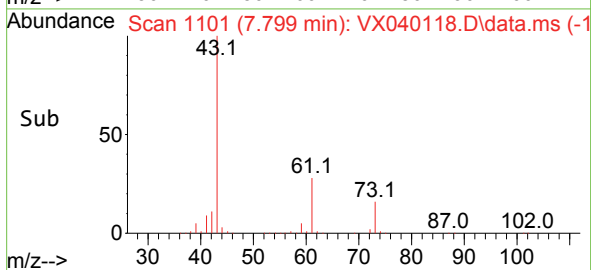
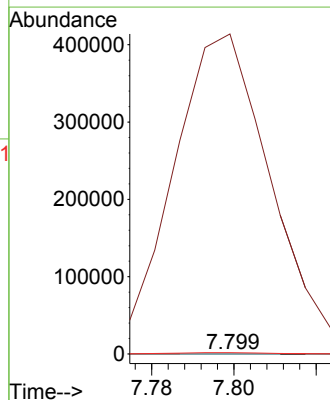
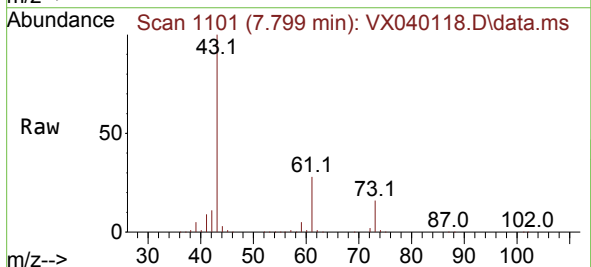
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

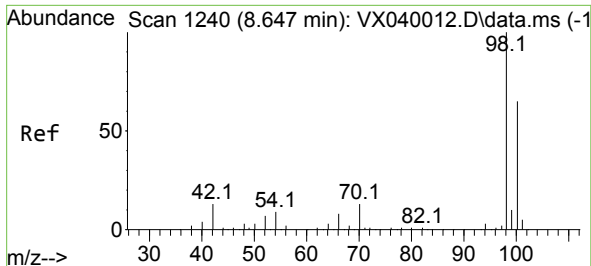
Tgt Ion: 41 Resp: 65149
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.1 47.7 71.5



#49
1,4-Dioxane
Concen: 1.204 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
43 1897000.0 0.0 0.0#
58 8043.2 60.1 90.1#

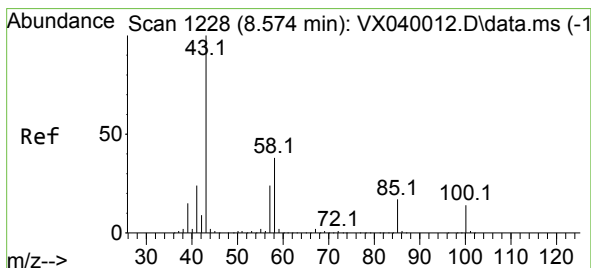
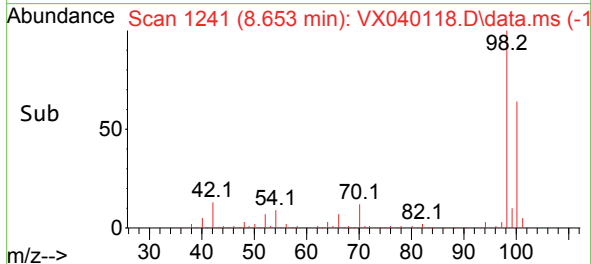
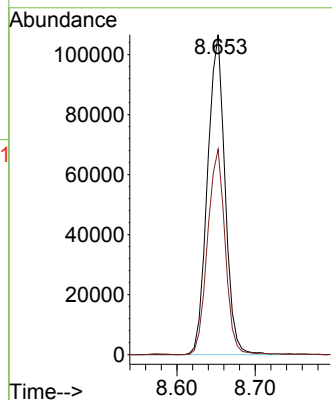
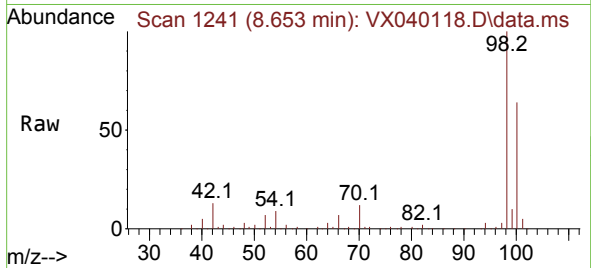




#50
Toluene-d8
Concen: 38.360 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

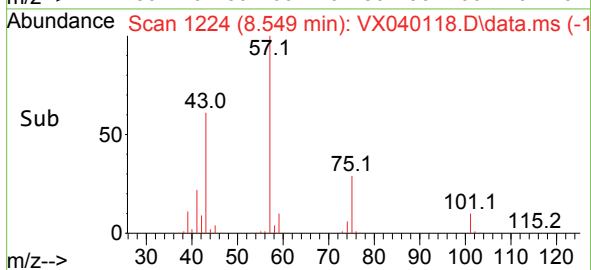
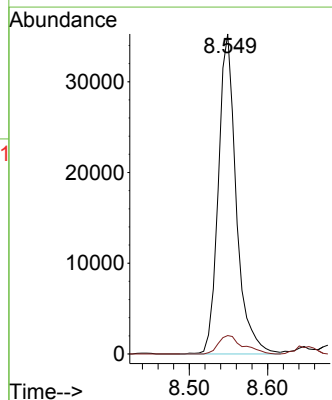
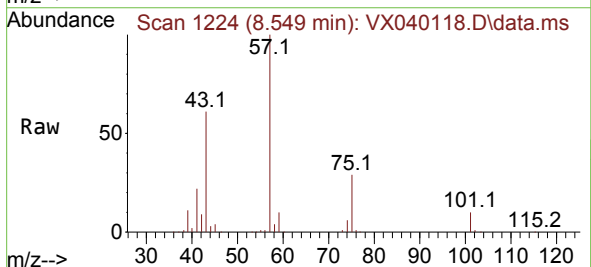
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

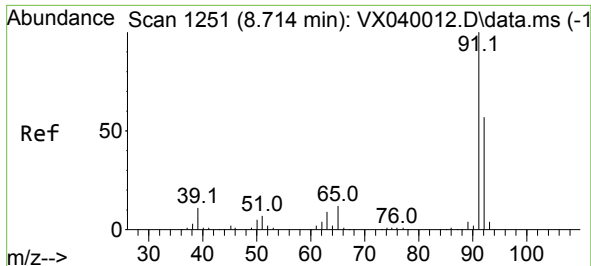
Tgt Ion: 98 Resp: 165368
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.630 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 43 Resp: 56114
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#





#52

Toluene

Concen: 8.412 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040118.D

Acq: 05 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

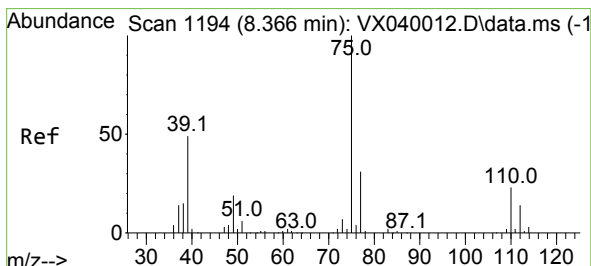
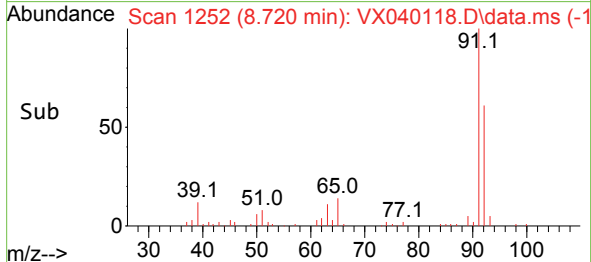
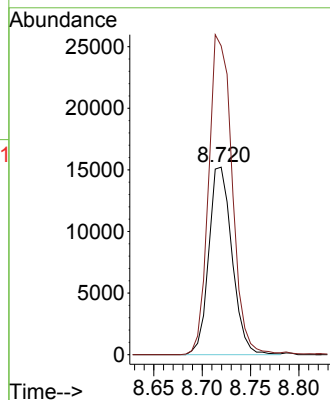
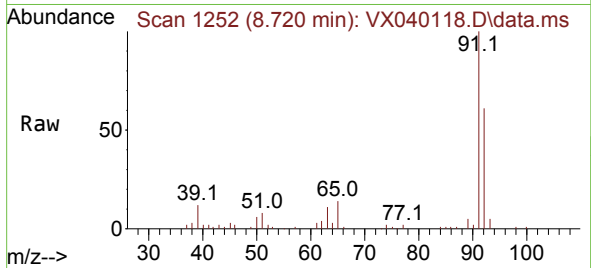
EB-2-0-2D

Tgt Ion: 92 Resp: 25458

Ion Ratio Lower Upper

92 100

91 172.8 134.2 201.2



#54

cis-1,3-Dichloropropene

Concen: 12.988 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX040118.D

Acq: 05 Feb 2024 16:03

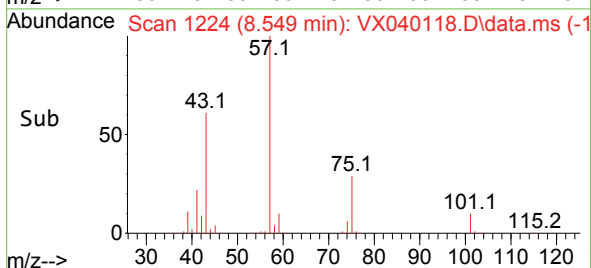
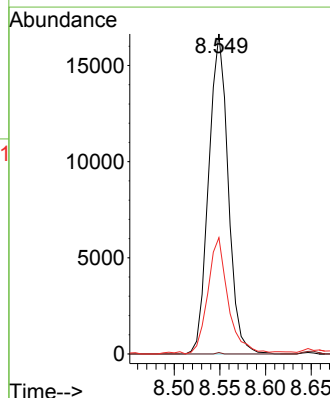
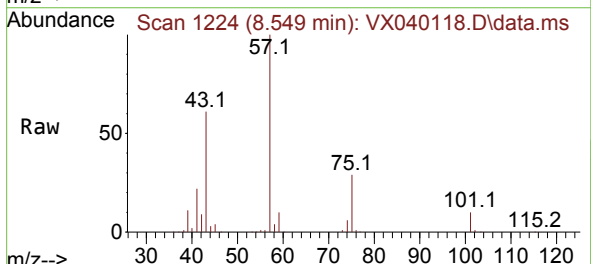
Tgt Ion: 75 Resp: 24636

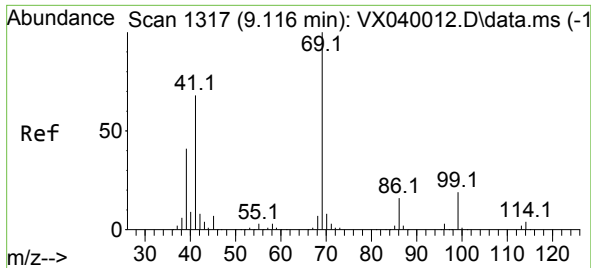
Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

39 35.7 46.7 70.1#

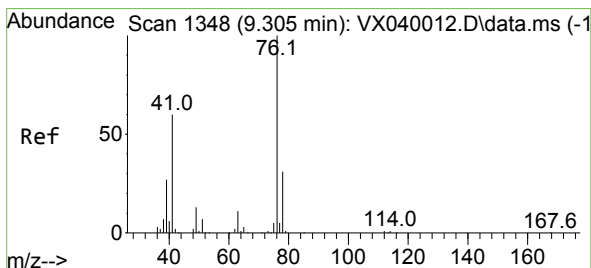
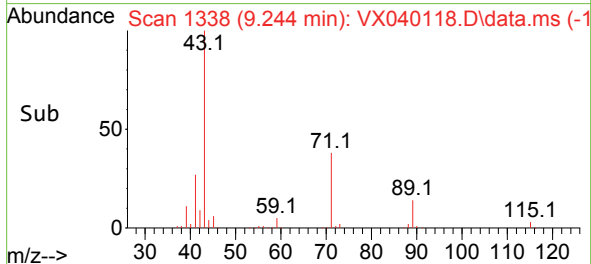
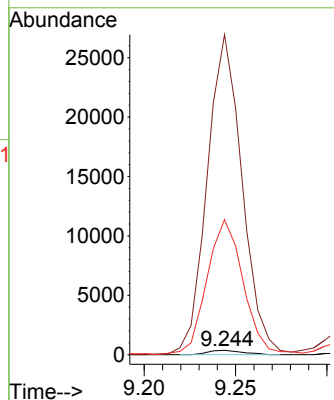
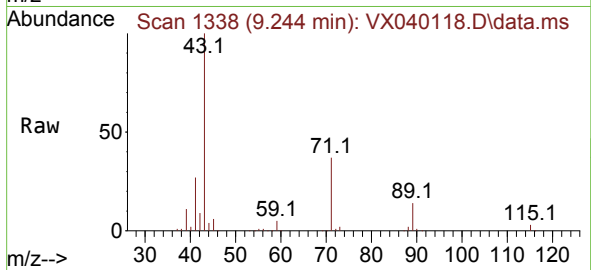




#56
Ethyl methacrylate
Concen: 0.266 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

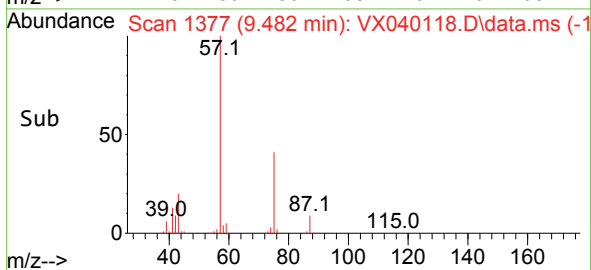
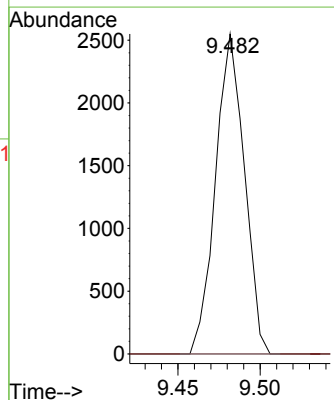
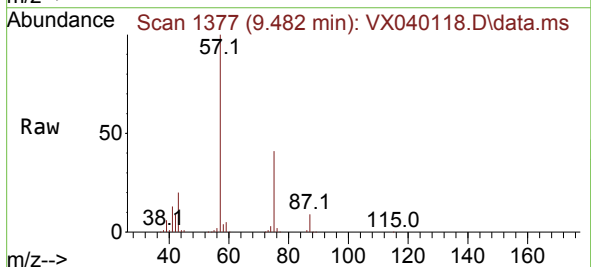
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

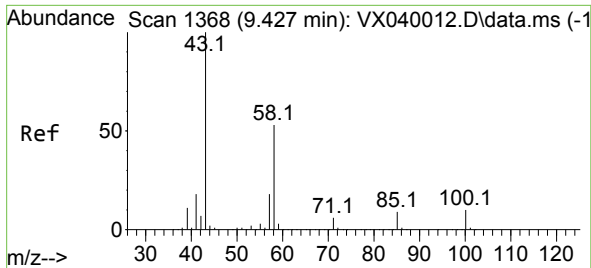
Tgt Ion: 69 Resp: 487
Ion Ratio Lower Upper
69 100
41 7371.0 56.8 85.2#
39 3234.1 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.509 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 76 Resp: 3113
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

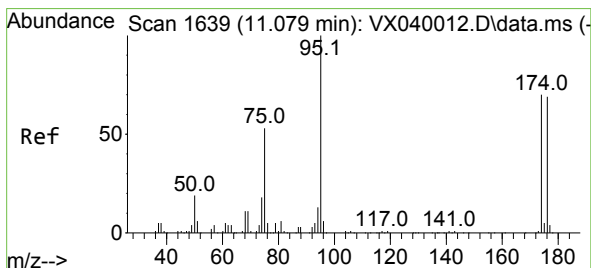
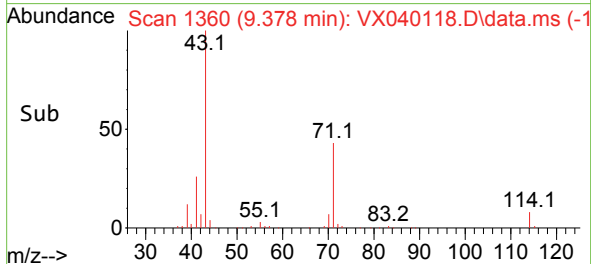
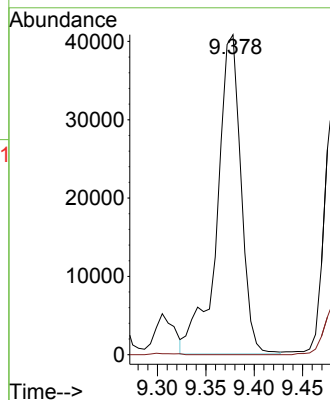
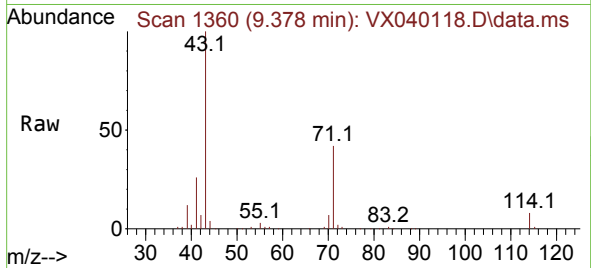




#59
2-Hexanone
Concen: 44.754 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

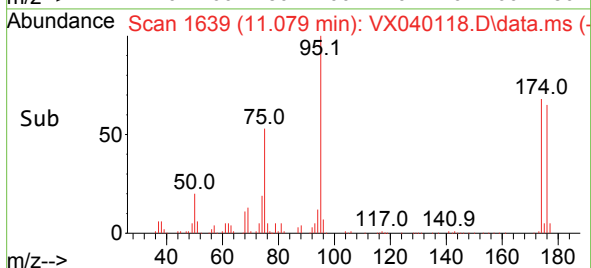
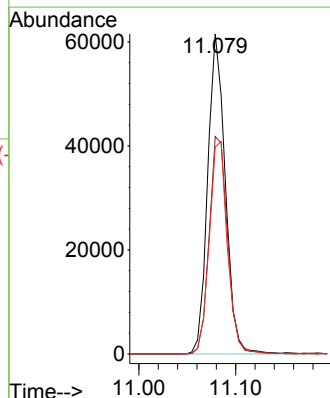
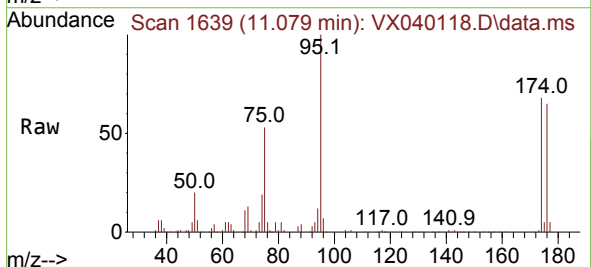
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

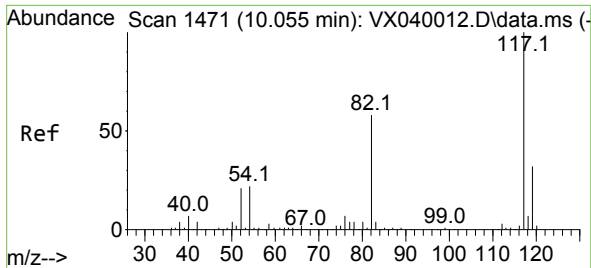
Tgt Ion: 43 Resp: 69939
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 95 Resp: 77730
Ion Ratio Lower Upper
95 100
174 71.1 0.0 135.6
176 68.4 0.0 131.0

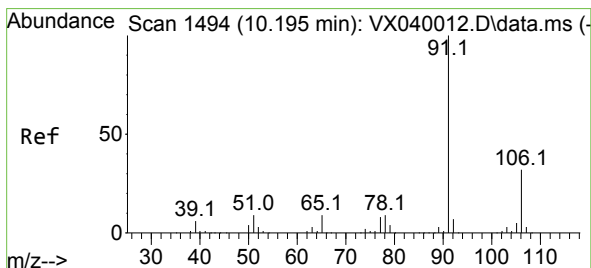
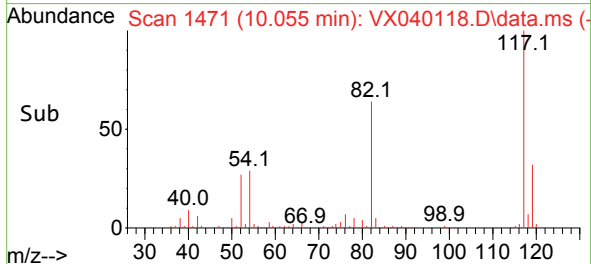
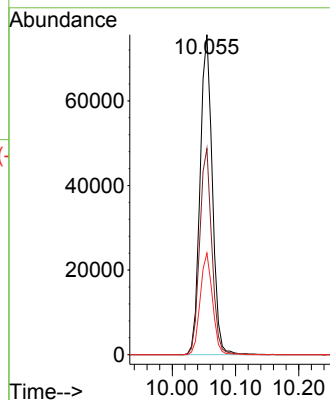
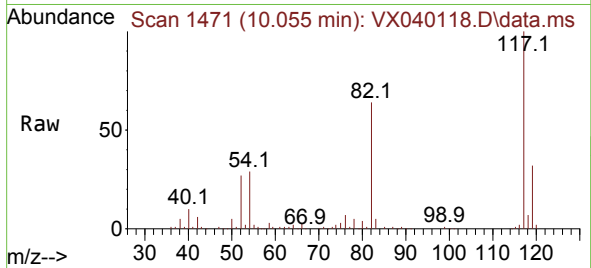




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

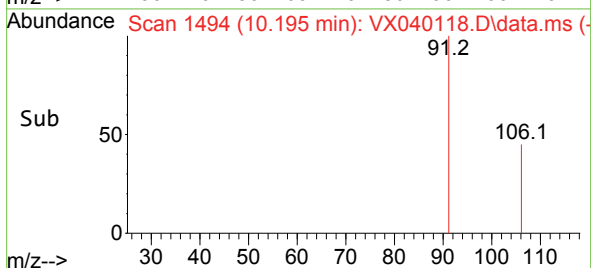
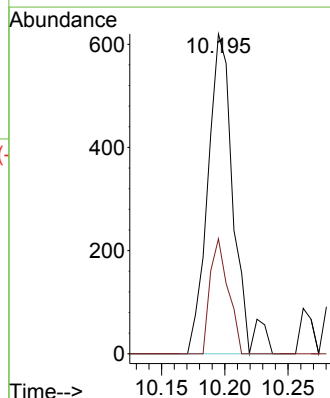
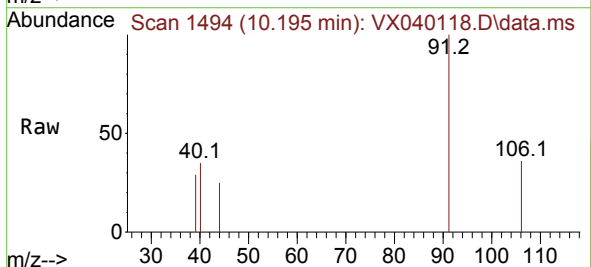
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

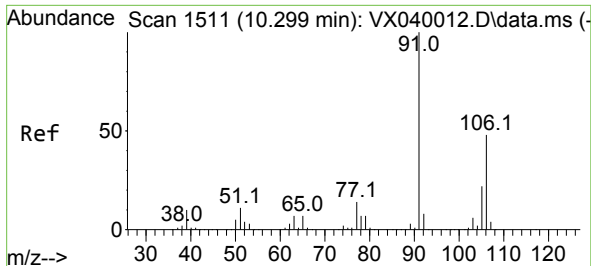
Tgt Ion:117 Resp: 101740
Ion Ratio Lower Upper
117 100
82 64.4 46.2 69.4
119 31.8 25.5 38.3



#67
Ethyl Benzene
Concen: 0.232 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 91 Resp: 874
Ion Ratio Lower Upper
91 100
106 36.0 24.9 37.3

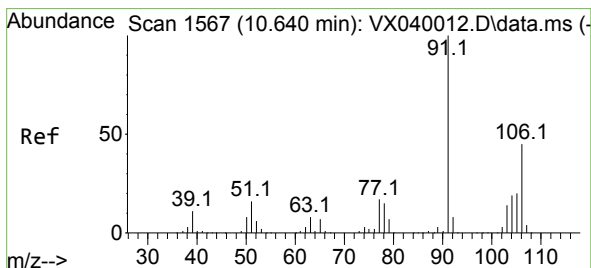
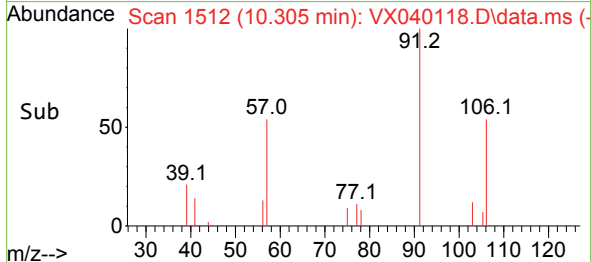
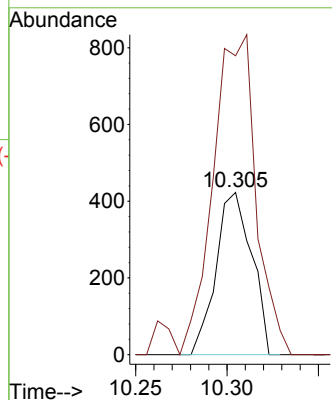
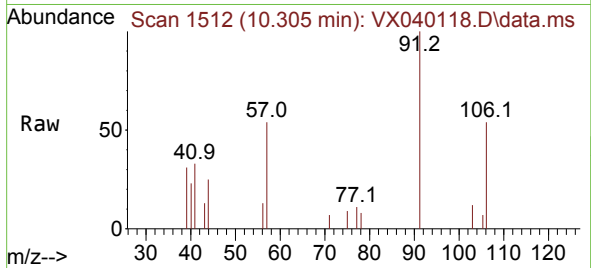




#68
m/p-Xylenes
Concen: 0.405 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

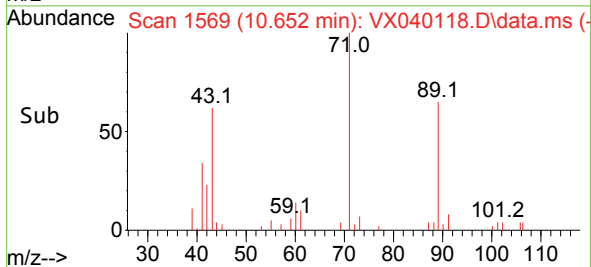
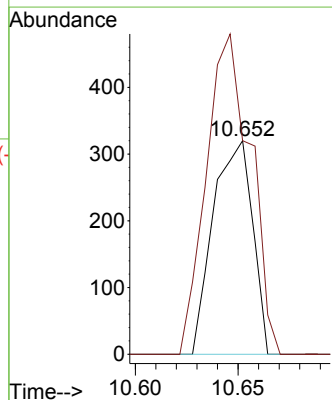
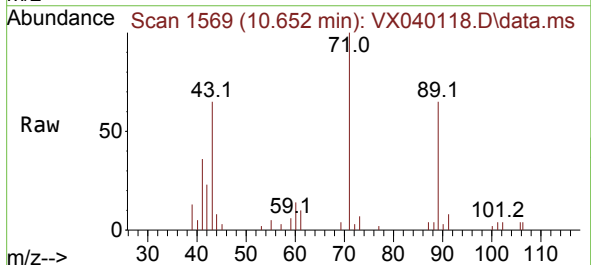
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

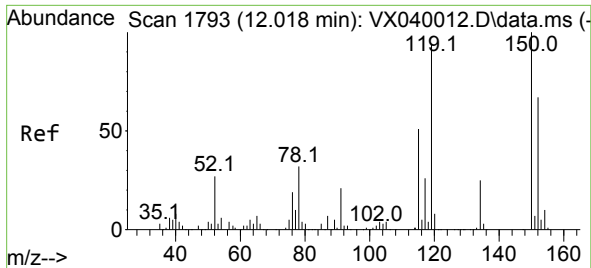
Tgt Ion:106 Resp: 575
Ion Ratio Lower Upper
106 100
91 235.8 165.5 248.3



#69
o-Xylene
Concen: 0.316 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.012 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion:106 Resp: 425
Ion Ratio Lower Upper
106 100
91 168.9 108.9 326.8

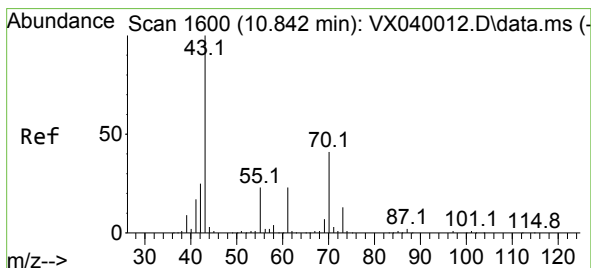
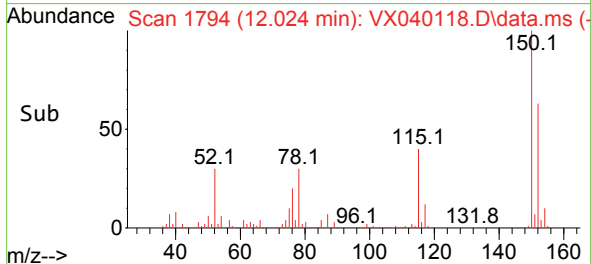
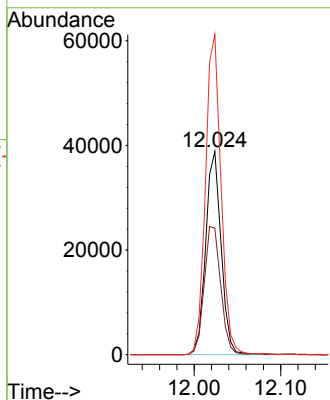
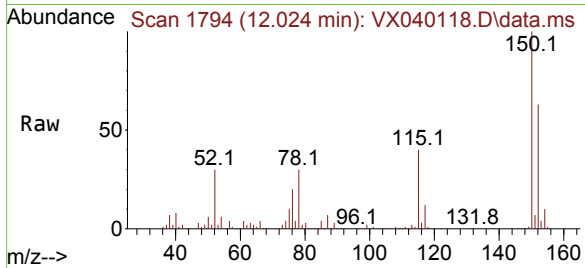




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX040118.D
 Acq: 05 Feb 2024 16:03

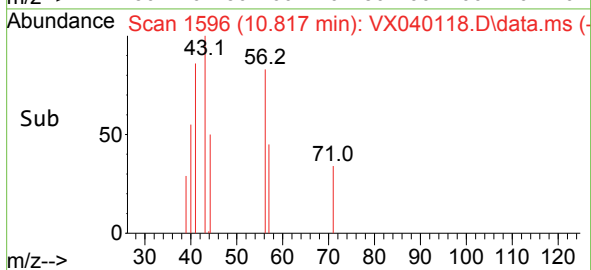
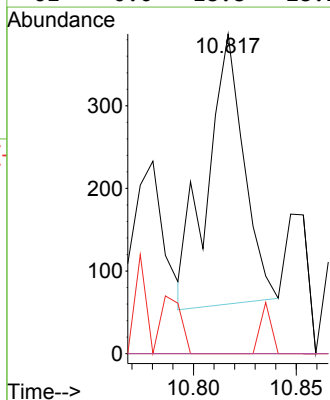
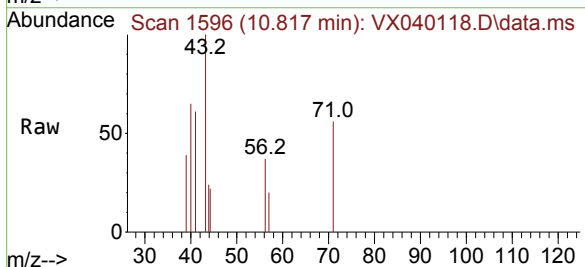
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2-0-2D

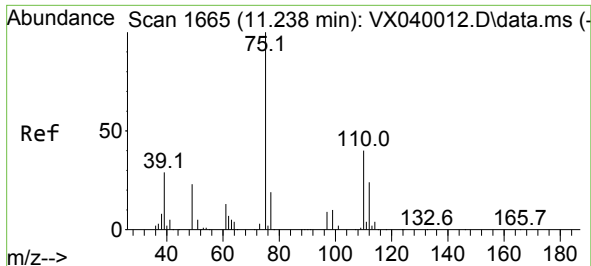
Tgt Ion:152 Resp: 48225
 Ion Ratio Lower Upper
 152 100
 115 67.1 43.3 129.9
 150 158.2 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.457 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX040118.D
 Acq: 05 Feb 2024 16:03

Tgt Ion: 43 Resp: 406
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 5.7 19.3 28.9#
 61 0.0 18.8 28.2#

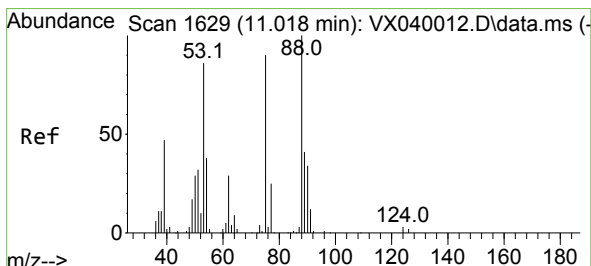
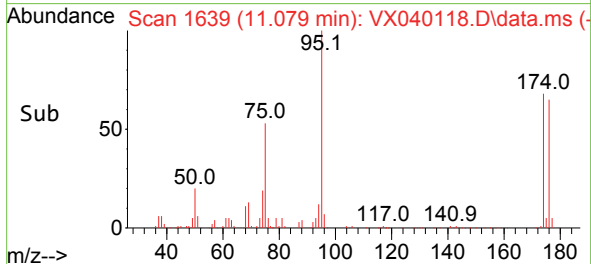
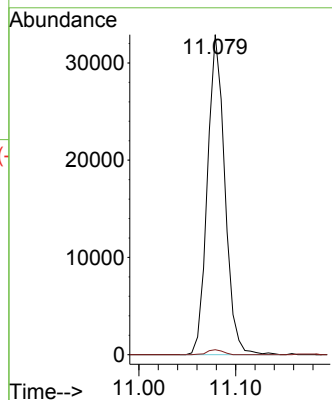
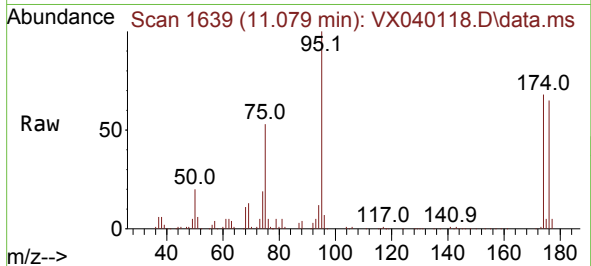




#76
1,2,3-Trichloropropane
Concen: 40.154 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

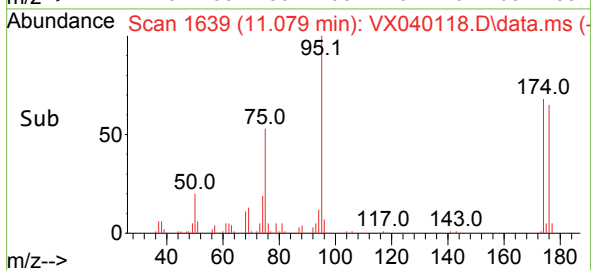
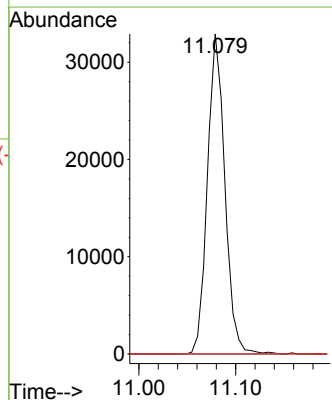
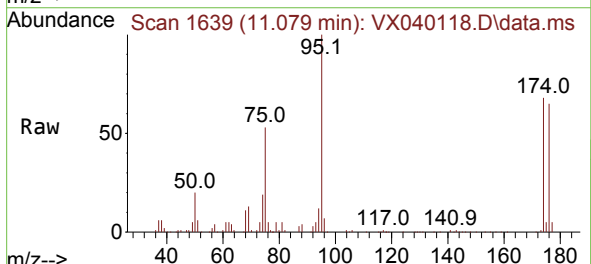
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2D

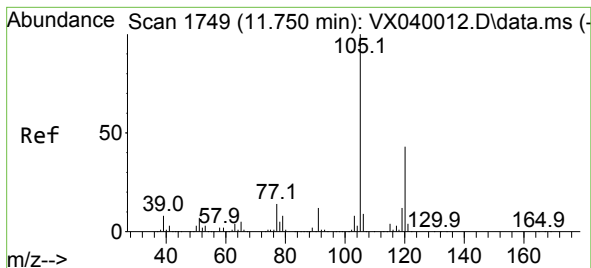
Tgt Ion: 75 Resp: 41237
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040118.D
Acq: 05 Feb 2024 16:03

Tgt Ion: 75 Resp: 41237
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.254 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040118.D

Acq: 05 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

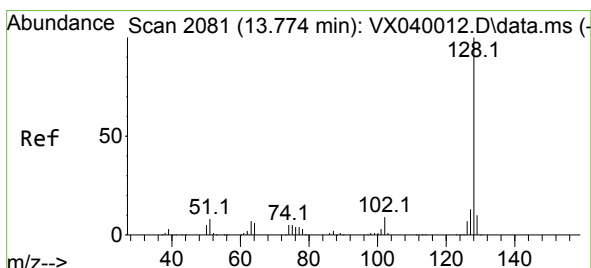
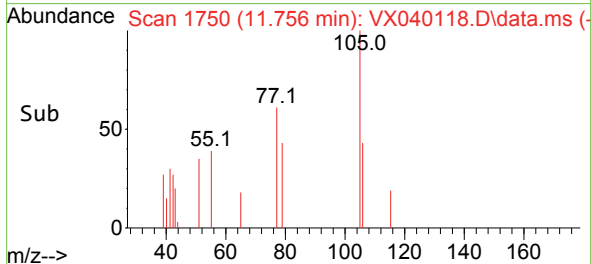
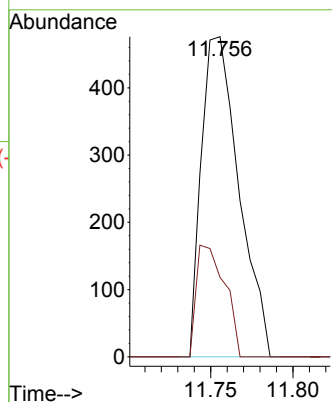
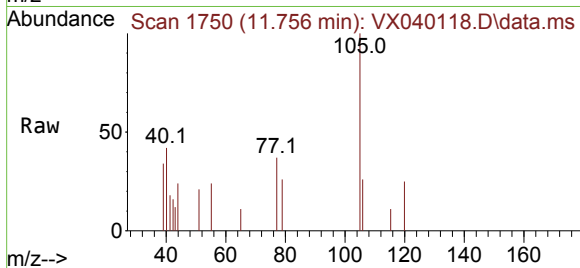
EB-2-0-2D

Tgt Ion:105 Resp: 755

Ion Ratio Lower Upper

105 100

120 26.4 21.2 63.6



#95

Naphthalene

Concen: 0.318 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX040118.D

Acq: 05 Feb 2024 16:03

Tgt Ion:128 Resp: 1050

Ion Ratio Lower Upper

128 100

127 9.5 10.3 15.5#

129 22.2 8.8 13.2#

