

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040114.D
 Acq On : 05 Feb 2024 14:31
 Operator : JC/MD
 Sample : P1141-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-0-2

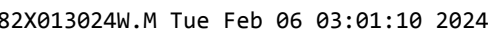
Quant Time: Feb 06 03:00:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

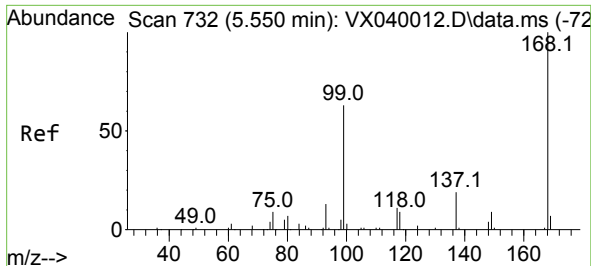
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	91664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67465	45.732	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.460%		
35) Dibromofluoromethane	5.385	113	51681	45.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.180%		
50) Toluene-d8	8.647	98	198934	46.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.079	95	81062	49.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.240%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	194	0.325	ug/l #	43
11) Tert butyl alcohol	2.946	59	153	0.572	ug/l #	78
16) Acetone	2.380	43	8307	12.018	ug/l #	80
17) Carbon Disulfide	2.514	76	981	0.325	ug/l	96
18) Methyl Acetate	2.715	43	1246	0.761	ug/l	92
20) Methylene Chloride	2.788	84	4068	3.312	ug/l	90
25) 2-Butanone	4.574	43	3229	3.361	ug/l	98
29) Tetrahydrofuran	5.019	42	230	0.376	ug/l #	72
31) Cyclohexane	5.550	56	2360	1.277	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7865	4.745	ug/l #	49
37) Ethyl Acetate	4.745	43	1894	1.046	ug/l #	71
38) Carbon Tetrachloride	5.550	117	9560	6.028	ug/l #	16
43) Isopropyl Acetate	6.342	43	43248	15.149	ug/l	99
51) 4-Methyl-2-Pentanone	8.549	43	47131	24.185	ug/l #	52
52) Toluene	8.720	92	816	0.271	ug/l	98
54) cis-1,3-Dichloropropene	8.549	75	20336	10.783	ug/l #	60
56) Ethyl methacrylate	9.250	69	511	0.281	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1021	0.498	ug/l #	42
59) 2-Hexanone	9.372	43	67445	43.407	ug/l #	26
67) Ethyl Benzene	10.195	91	1841	0.307	ug/l	93
68) m/p-Xylenes	10.305	106	470	0.208	ug/l	84
74) N-amyl acetate	10.811	43	279	0.307	ug/l #	35
76) 1,2,3-Trichloropropane	11.079	75	42267	25.059	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42267	74.066	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1374	0.282	ug/l	97
90) Hexachloroethane	12.555	117	43	Below Cal	#	17
95) Naphthalene	13.780	128	3260	0.602	ug/l #	77

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

Quant Time: Feb 06 03:00:59 2024
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QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

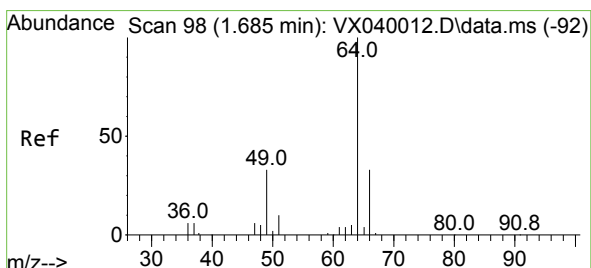
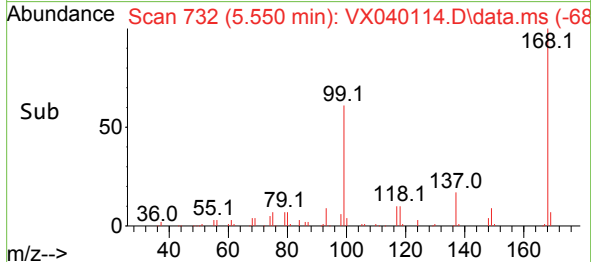
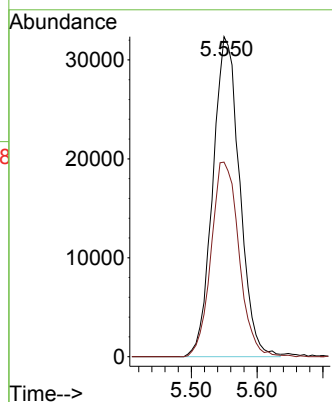
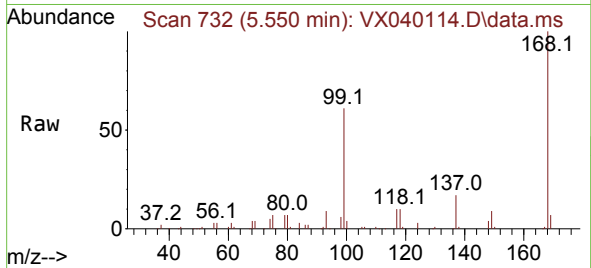




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

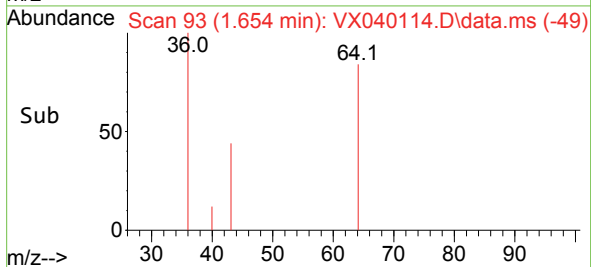
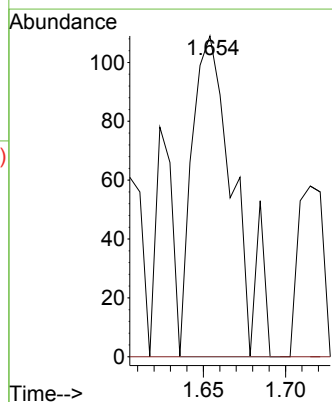
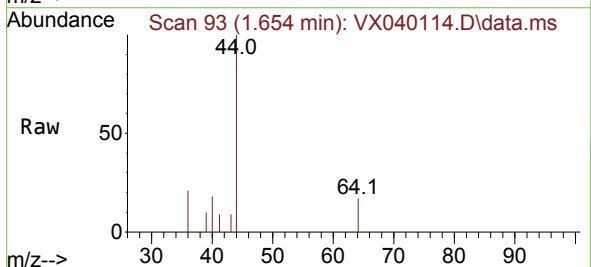
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

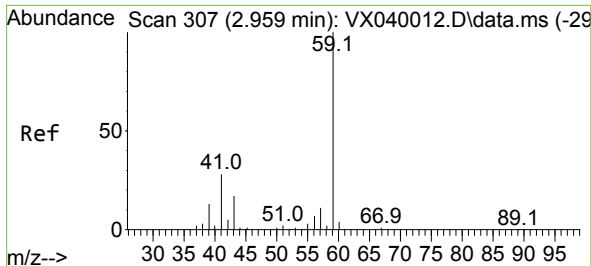
Tgt Ion:168 Resp: 91664
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#6
Chloroethane
Concen: 0.325 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.031 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 64 Resp: 194
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

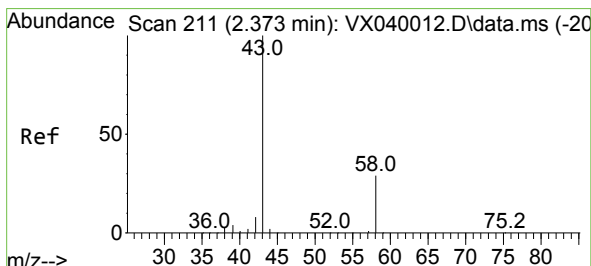
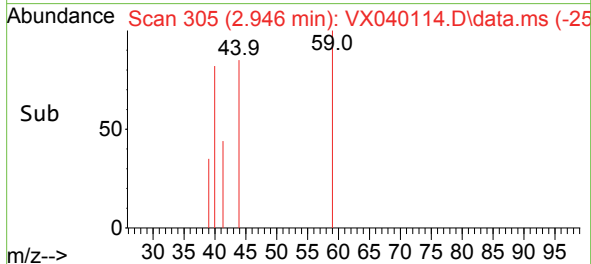
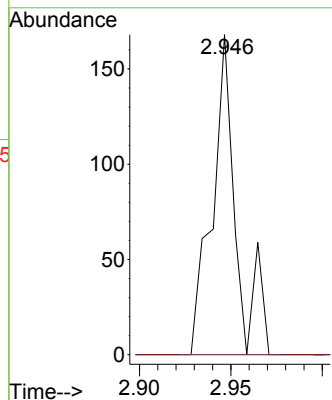
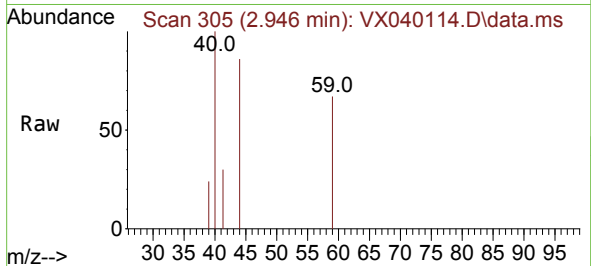




#11
Tert butyl alcohol
Concen: 0.572 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

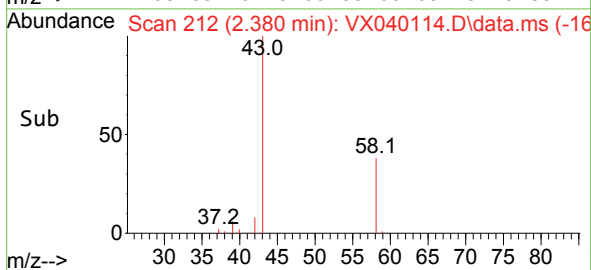
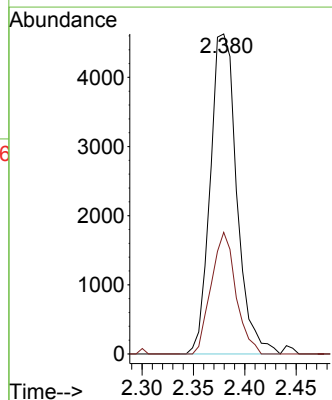
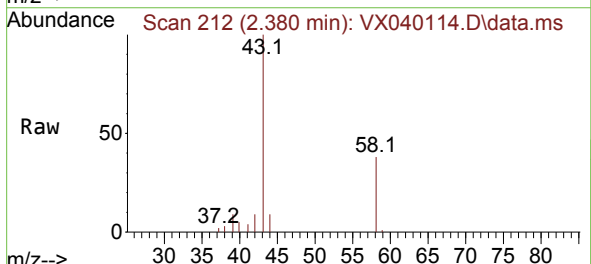
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

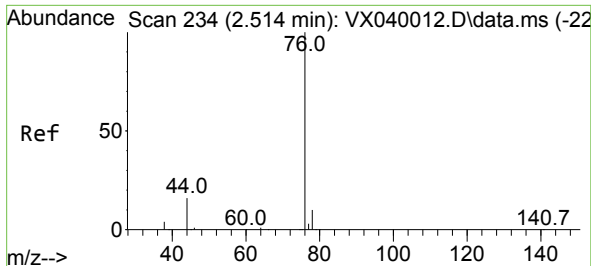
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 12.018 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 43 Resp: 8307
Ion Ratio Lower Upper
43 100
58 38.0 21.9 32.9#

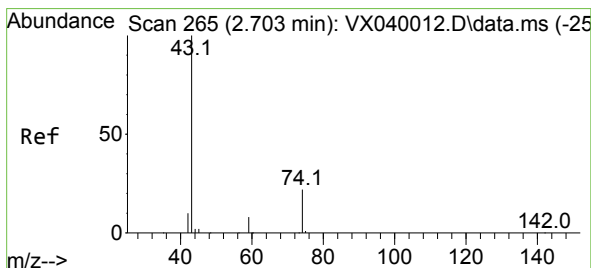
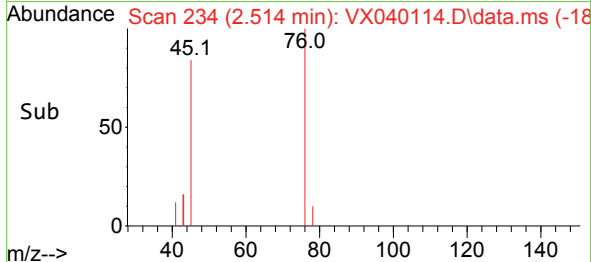
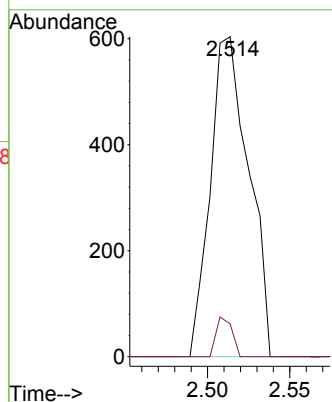
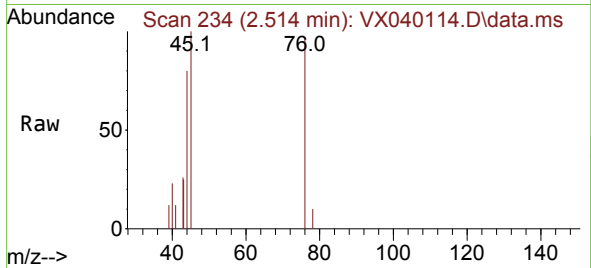




#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

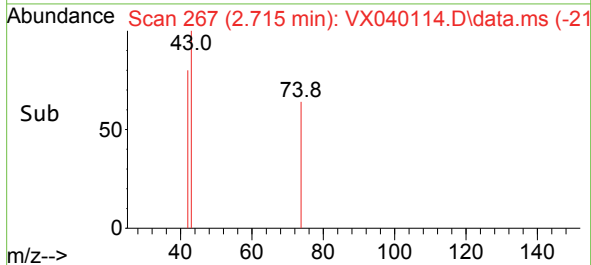
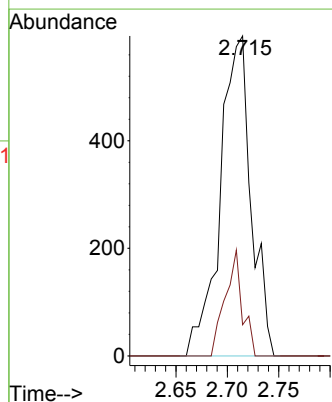
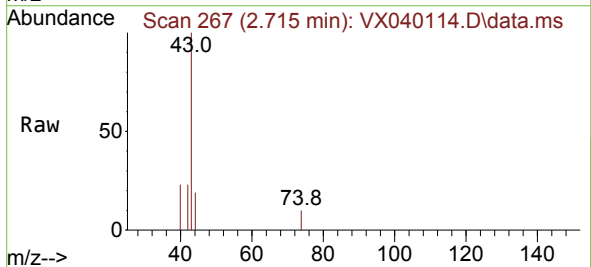
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

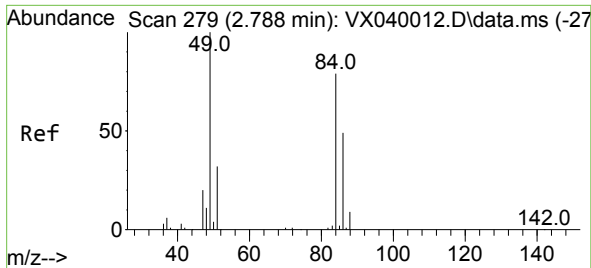
Tgt Ion: 76 Resp: 981
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6



#18
Methyl Acetate
Concen: 0.761 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
74 18.4 17.8 26.8

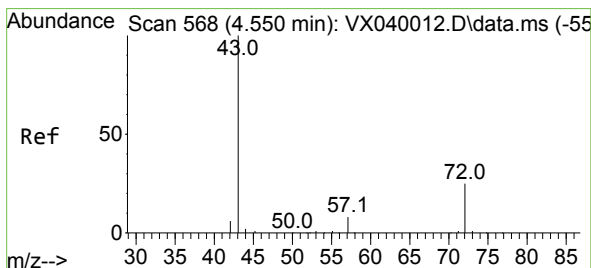
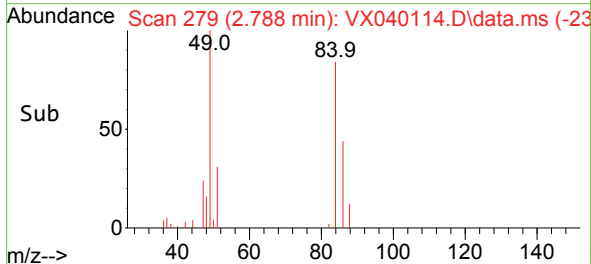
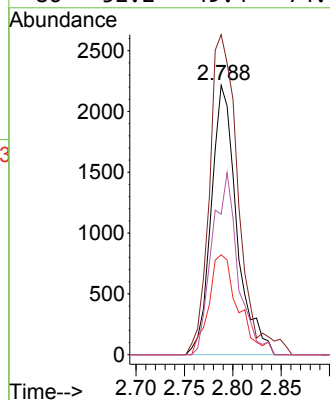
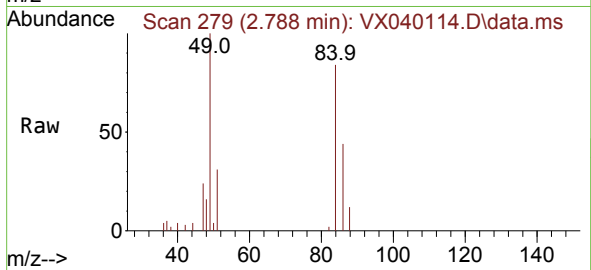




#20
Methylene Chloride
Concen: 3.312 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

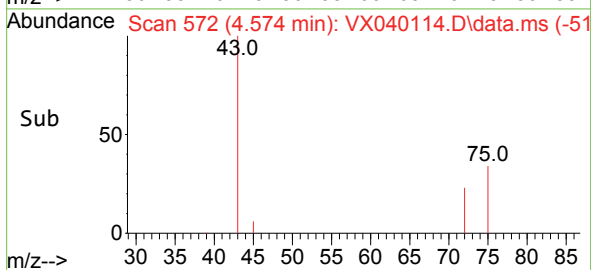
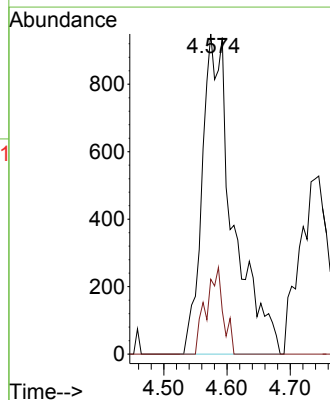
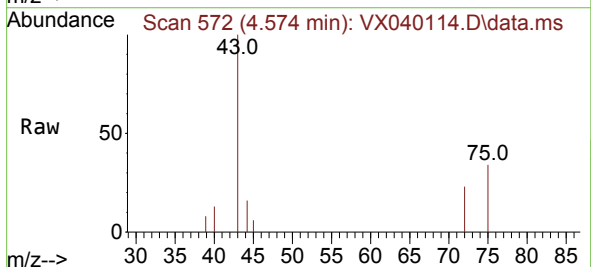
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

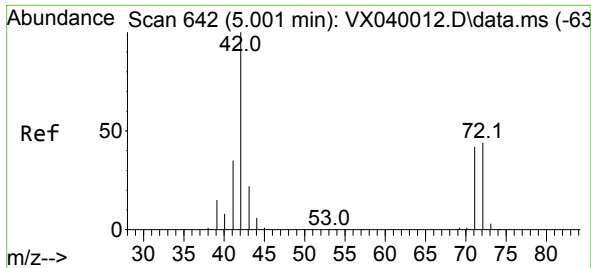
Tgt Ion: 84	Resp: 4068
Ion Ratio	Lower Upper
84 100	
49 118.8	103.6 155.4
51 37.1	33.8 50.6
86 52.2	49.4 74.0



#25
2-Butanone
Concen: 3.361 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 43	Resp: 3229		
Ion Ratio	Lower	Upper	
43 100			
72 23.4	19.4	29.2	

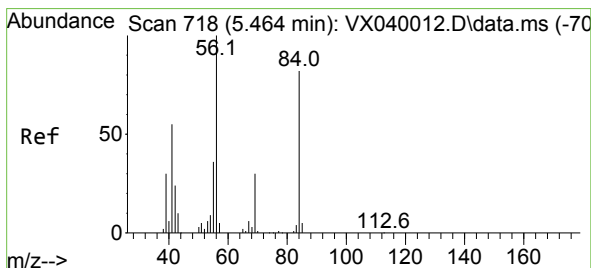
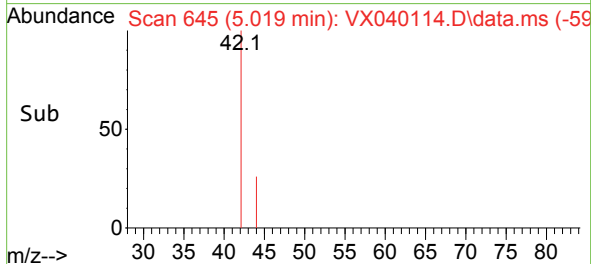
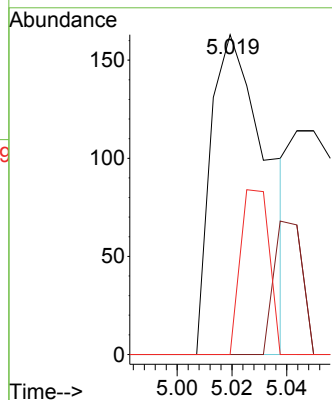
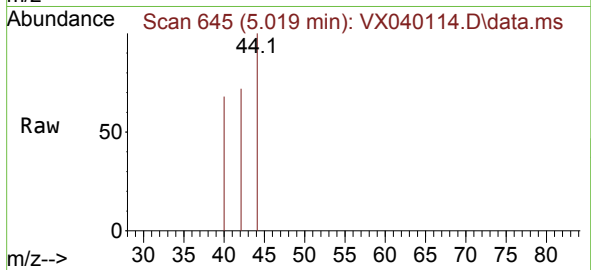




#29
Tetrahydrofuran
Concen: 0.376 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

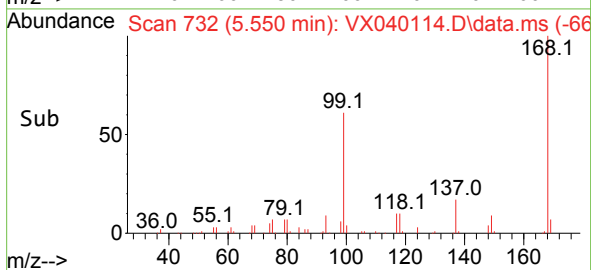
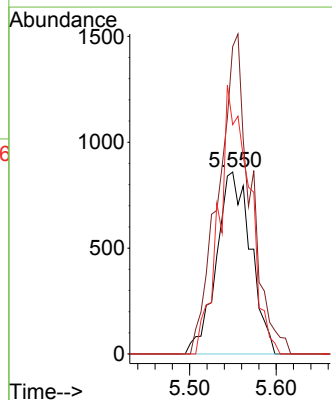
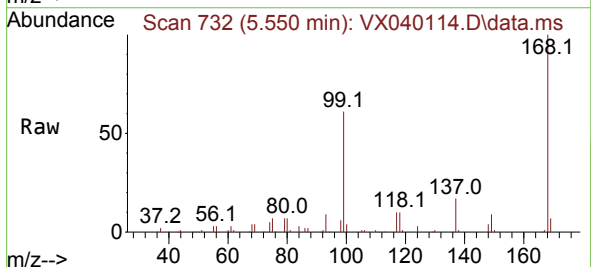
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ClientSampleId :
EB-4-0-2

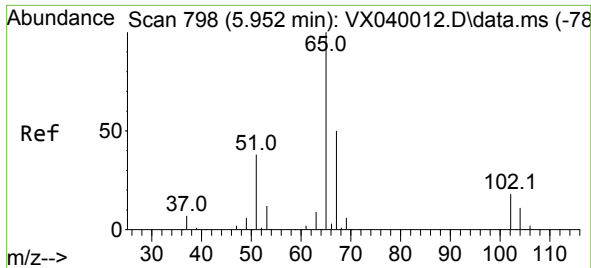
Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 21.3 34.2 51.4#
71 26.5 32.2 48.2#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
69 168.9 23.4 35.2#
84 126.1 65.9 98.9#

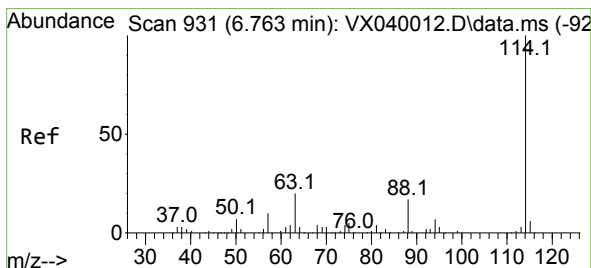
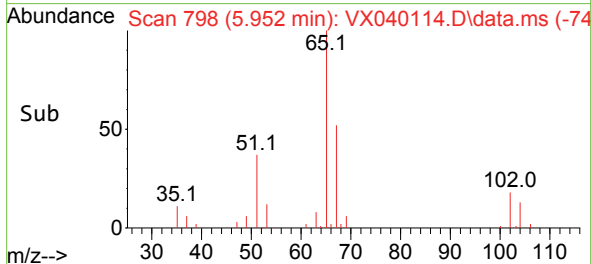
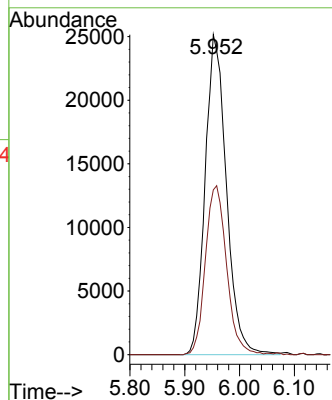
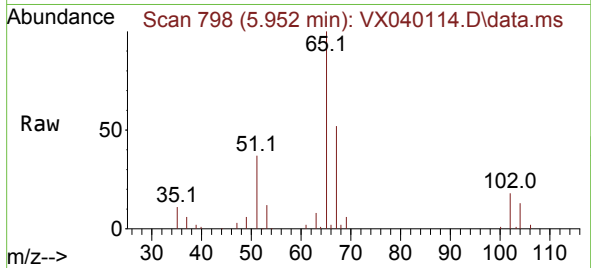




#33
1,2-Dichloroethane-d4
Concen: 45.732 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

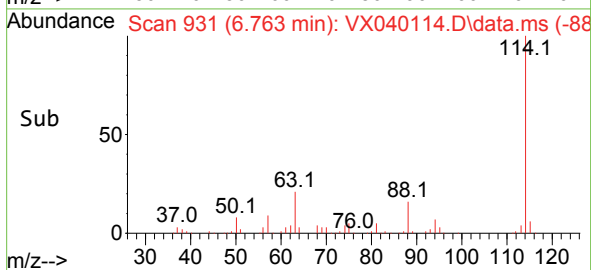
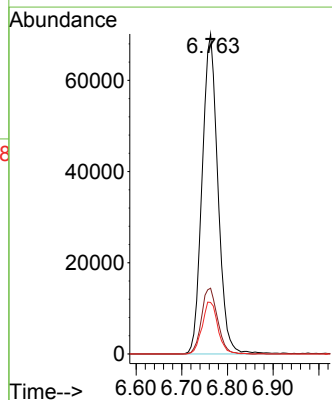
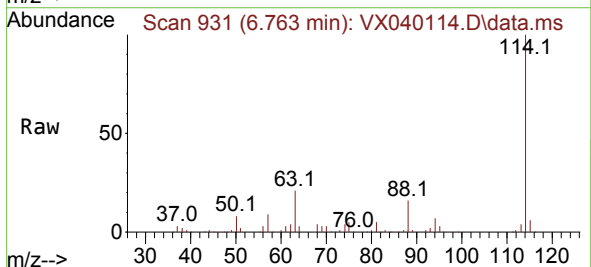
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ClientSampleId :
EB-4-0-2

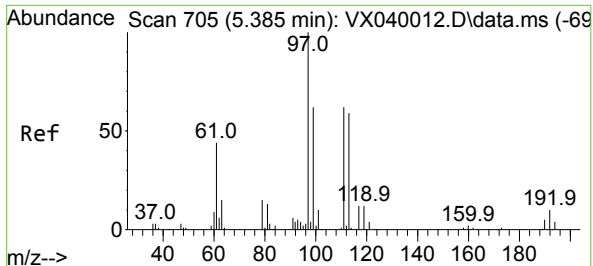
Tgt Ion: 65 Resp: 67465
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 114 Resp: 168370
Ion Ratio Lower Upper
114 100
63 20.5 0.0 45.0
88 16.1 0.0 36.6

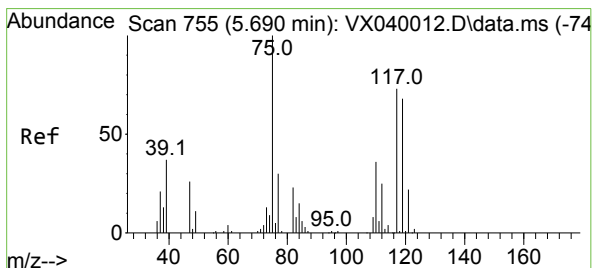
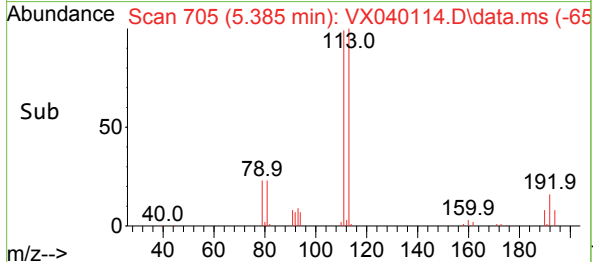
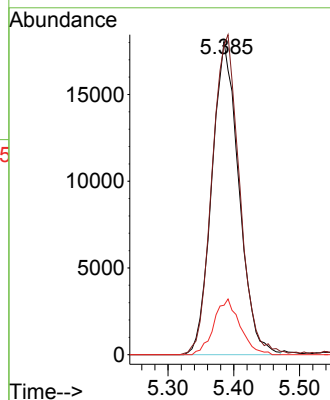
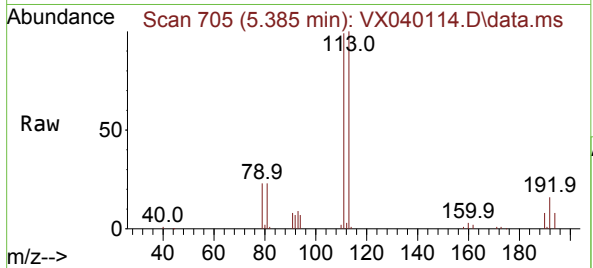




#35
Dibromofluoromethane
Concen: 45.091 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

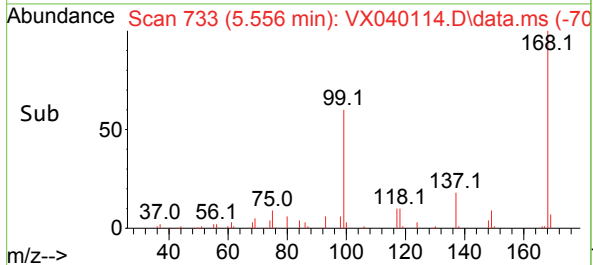
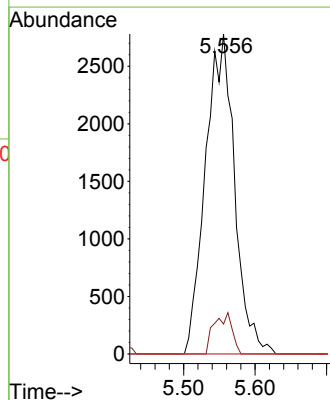
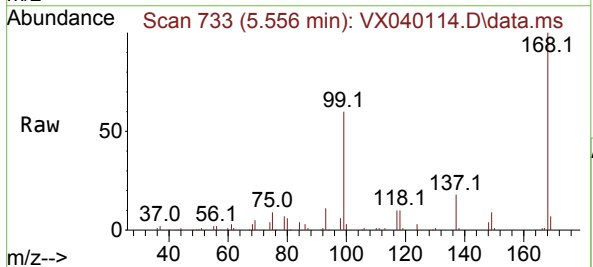
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MSVOA_X
ClientSampleId :
EB-4-0-2

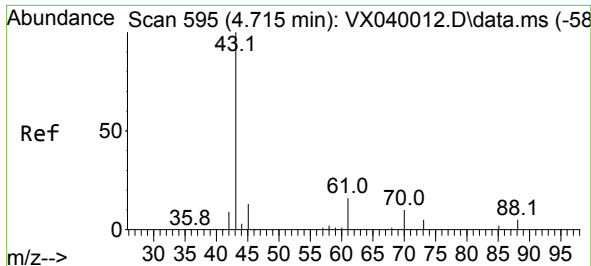
Tgt Ion:113 Resp: 51681
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 75 Resp: 7865
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.046 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

Lab File: VX040114.D

Acq: 05 Feb 2024 14:31

Instrument :

MSVOA_X

ClientSampleId :

EB-4-0-2

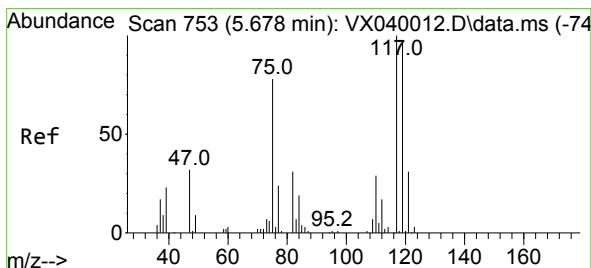
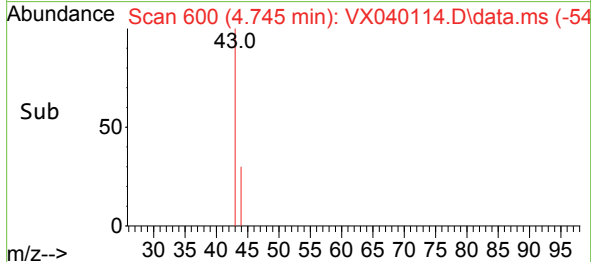
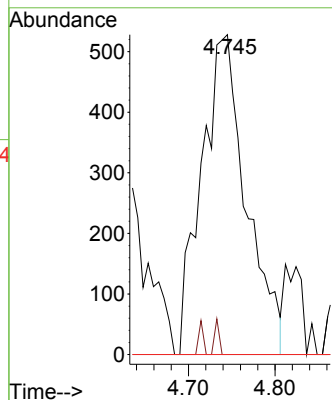
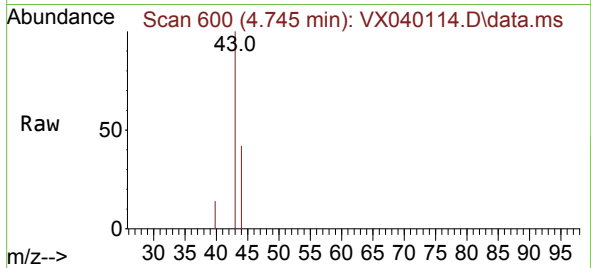
Tgt Ion: 43 Resp: 1894

Ion Ratio Lower Upper

43 100

61 1.2 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040114.D

Acq: 05 Feb 2024 14:31

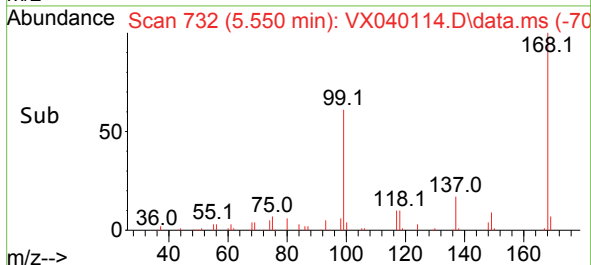
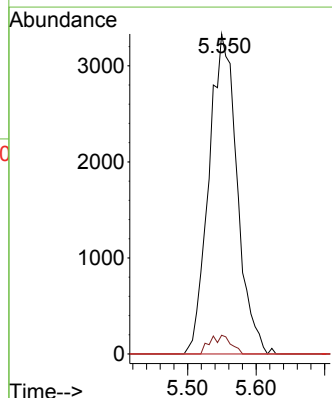
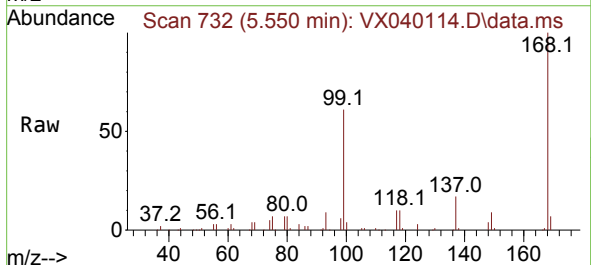
Tgt Ion: 117 Resp: 9560

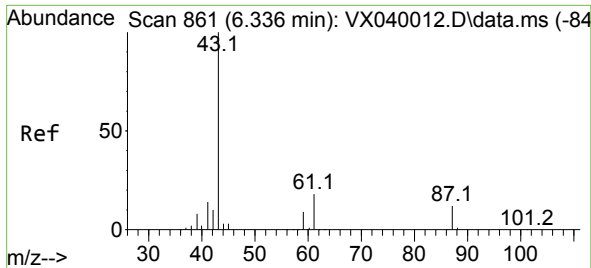
Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

121 0.0 24.4 36.6#

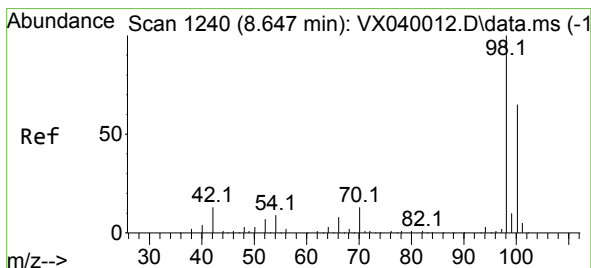
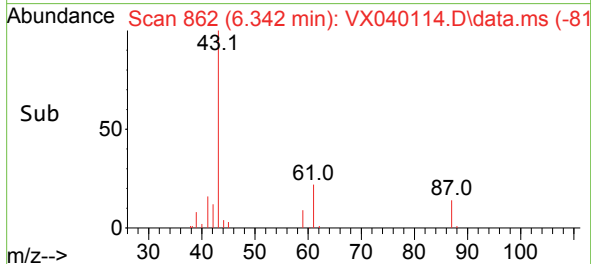
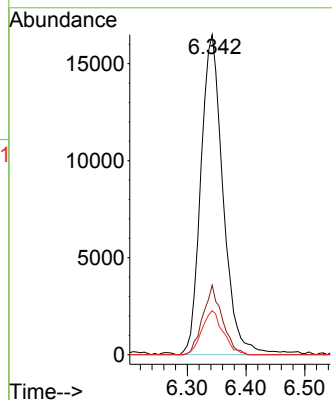
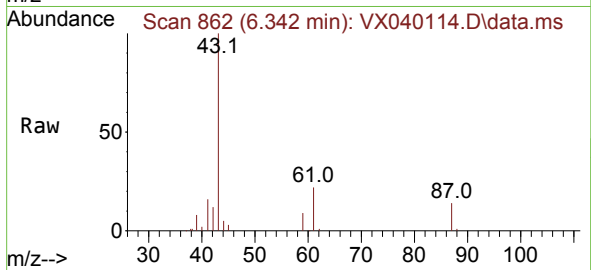




#43
Isopropyl Acetate
Concen: 15.149 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

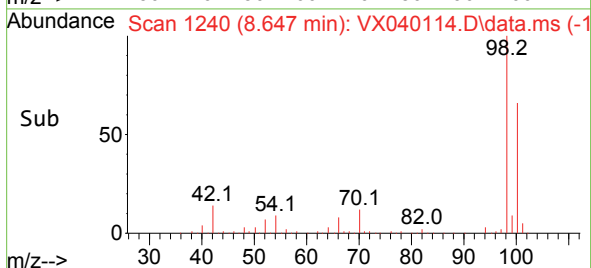
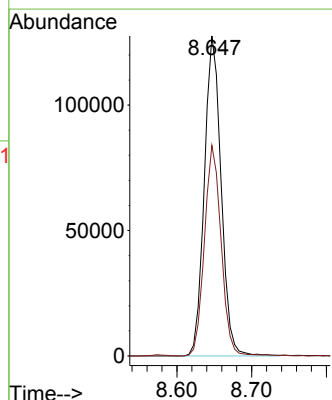
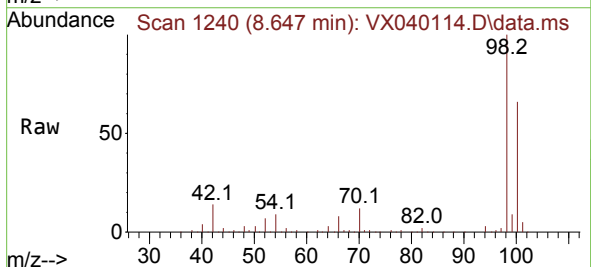
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

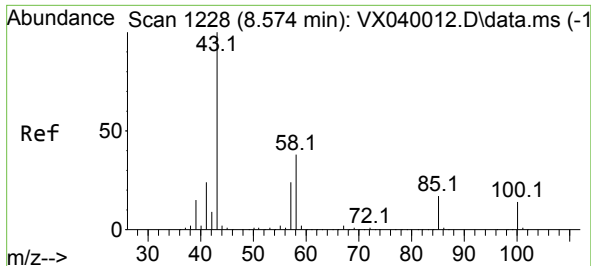
Tgt Ion: 43 Resp: 43248
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 13.2 9.8 14.6



#50
Toluene-d8
Concen: 46.412 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 98 Resp: 198934
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

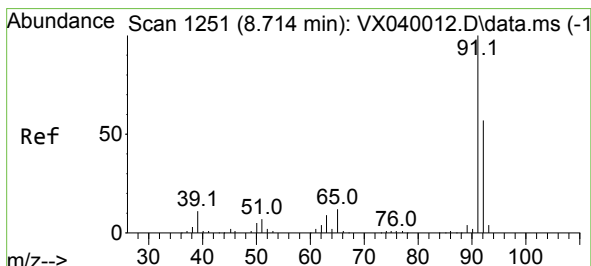
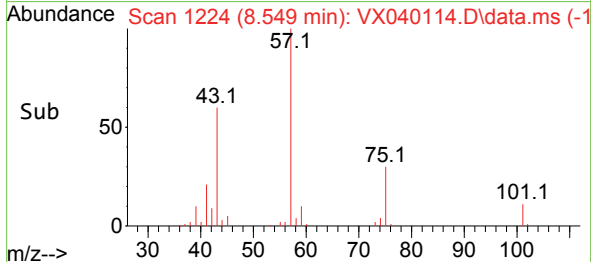
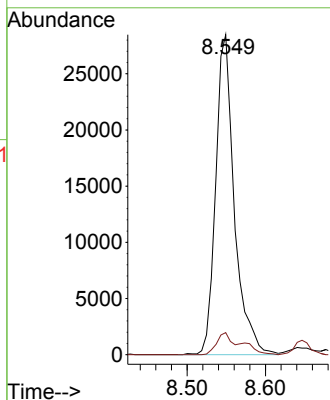
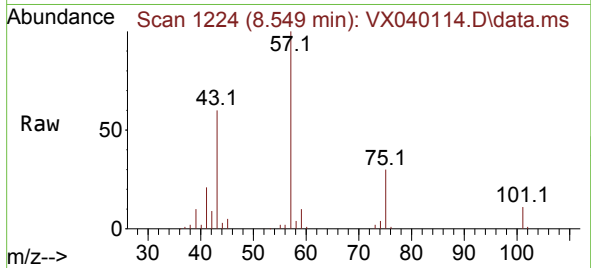




#51
4-Methyl-2-Pentanone
Concen: 24.185 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

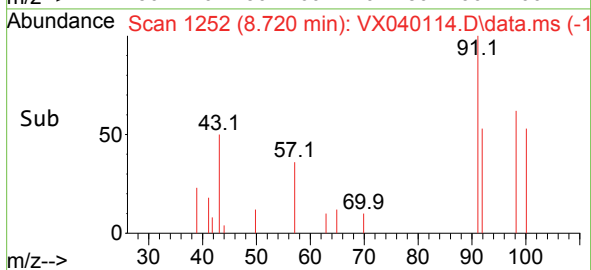
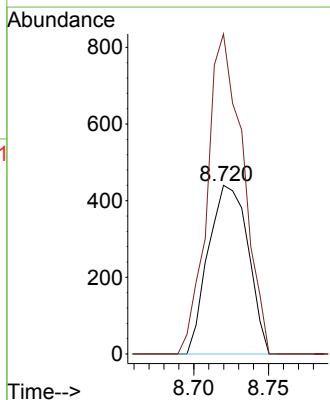
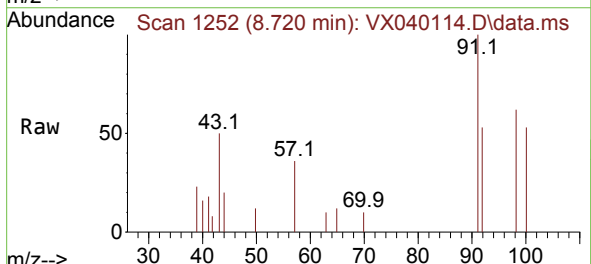
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

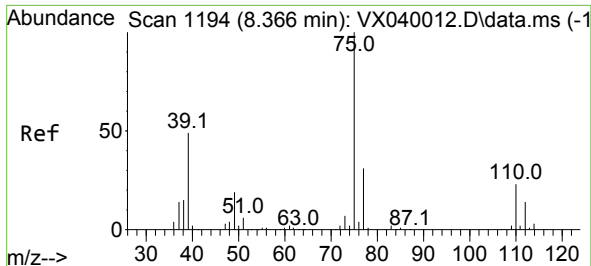
Tgt Ion: 43 Resp: 47131
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#



#52
Toluene
Concen: 0.271 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 92 Resp: 816
Ion Ratio Lower Upper
92 100
91 170.3 134.2 201.2

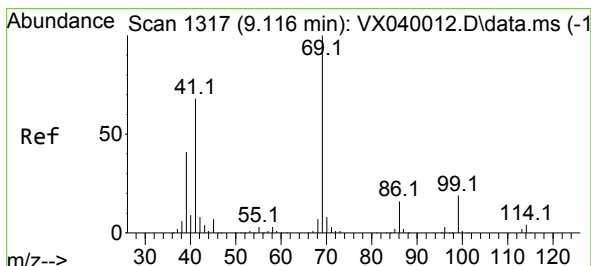
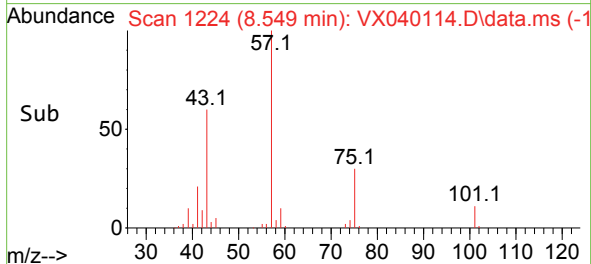
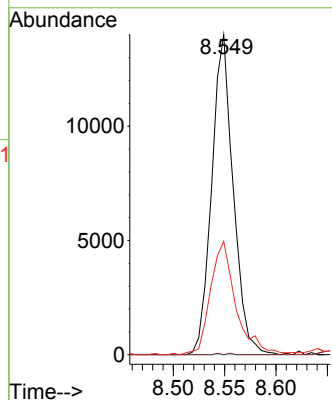
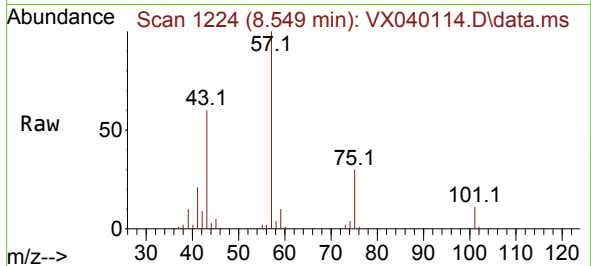




#54
 cis-1,3-Dichloropropene
 Concen: 10.783 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040114.D
 Acq: 05 Feb 2024 14:31

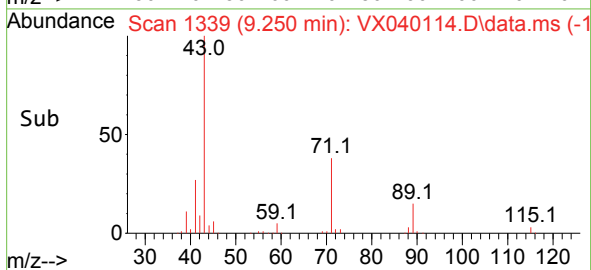
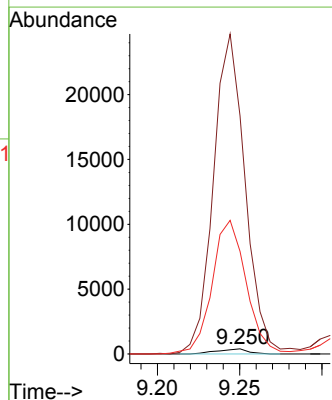
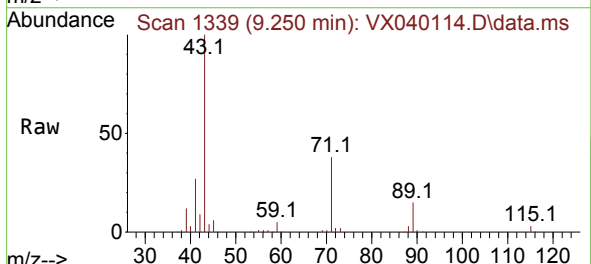
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-0-2

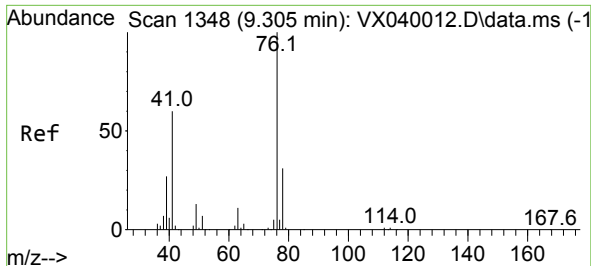
Tgt Ion: 75 Resp: 20336
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 35.4 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.281 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX040114.D
 Acq: 05 Feb 2024 14:31

Tgt Ion: 69 Resp: 511
 Ion Ratio Lower Upper
 69 100
 41 6520.9 56.8 85.2#
 39 2908.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 0.498 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX040114.D

Acq: 05 Feb 2024 14:31

Instrument :

MSVOA_X

ClientSampleId :

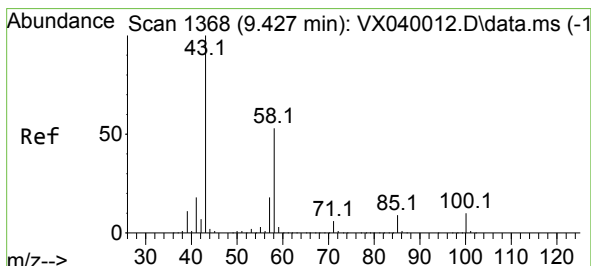
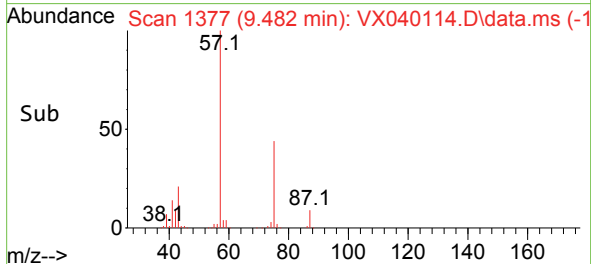
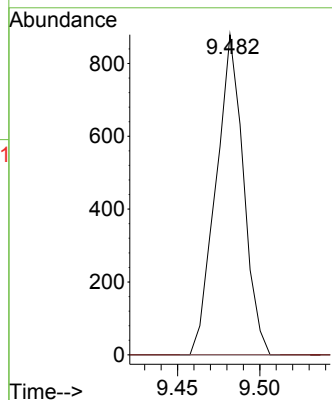
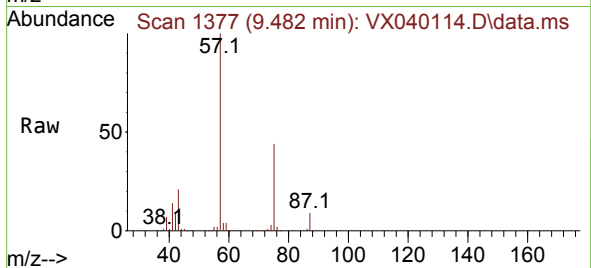
EB-4-0-2

Tgt Ion: 76 Resp: 1021

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.407 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040114.D

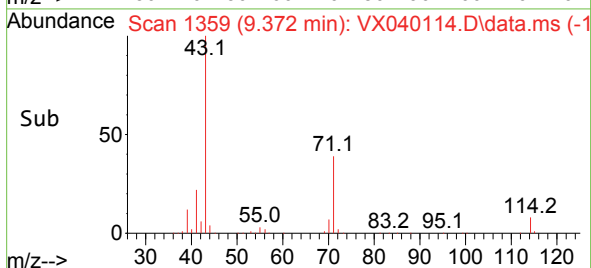
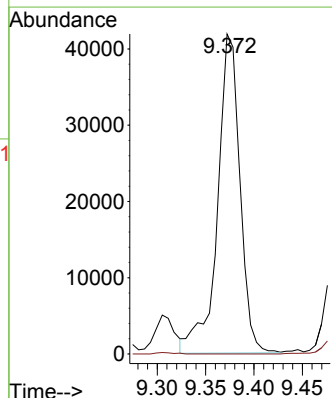
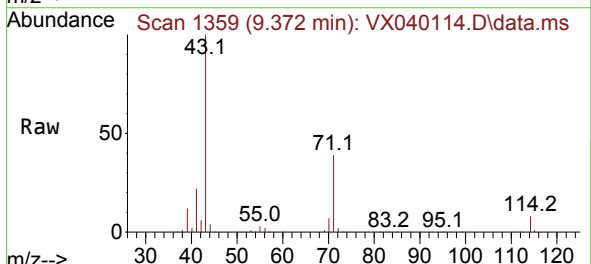
Acq: 05 Feb 2024 14:31

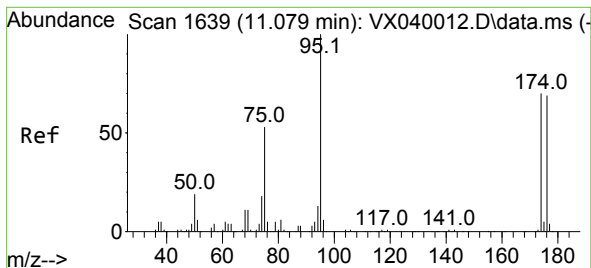
Tgt Ion: 43 Resp: 67445

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

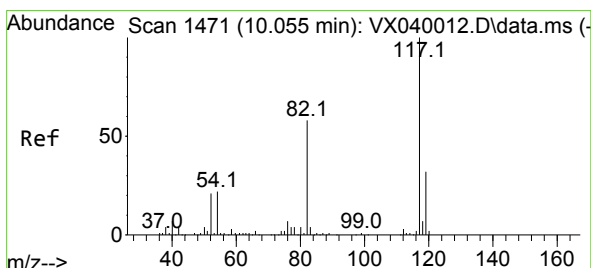
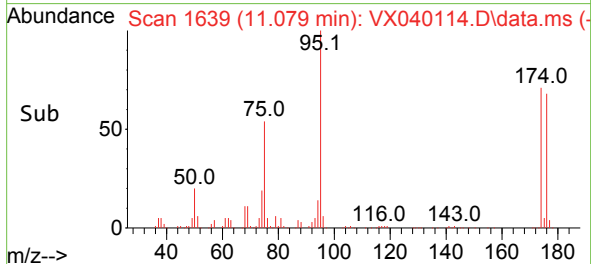
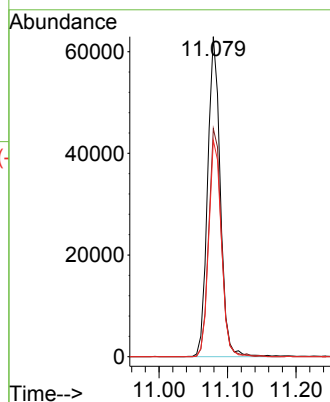
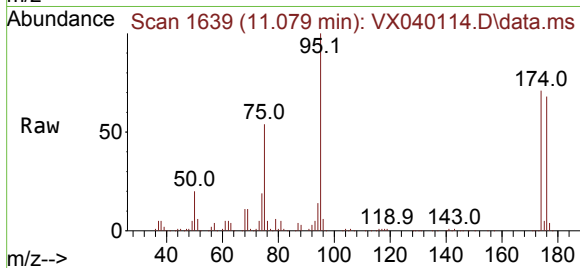




#62
4-Bromofluorobenzene
Concen: 49.115 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

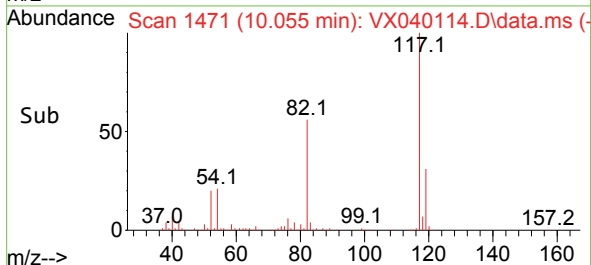
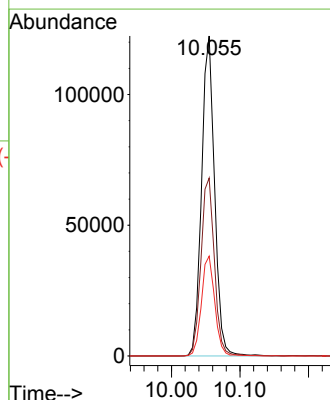
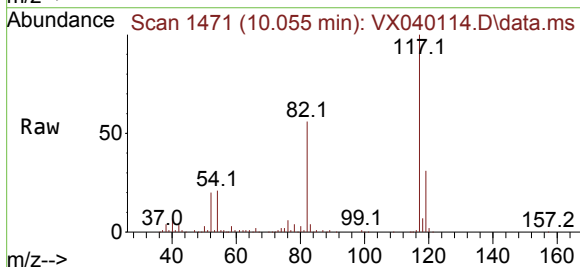
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

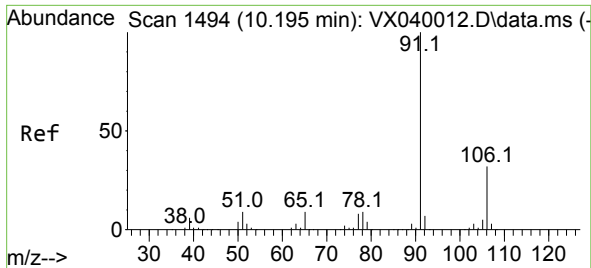
Tgt Ion: 95 Resp: 81062
Ion Ratio Lower Upper
95 100
174 71.2 0.0 135.6
176 67.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 117 Resp: 161899
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 31.2 25.5 38.3

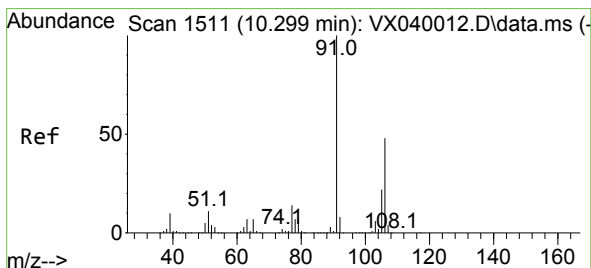
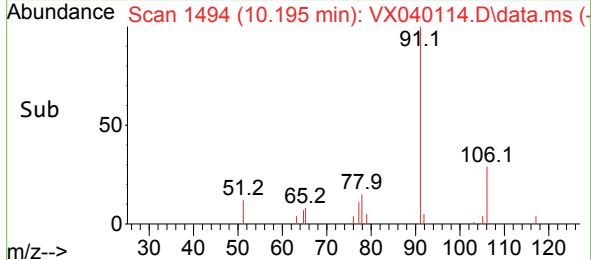
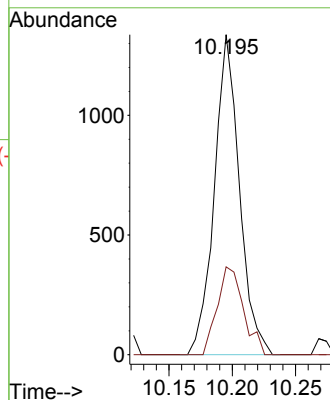
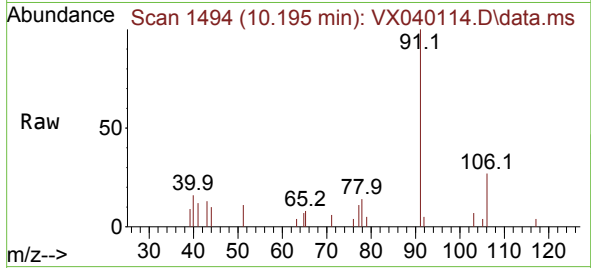




#67
Ethyl Benzene
Concen: 0.307 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

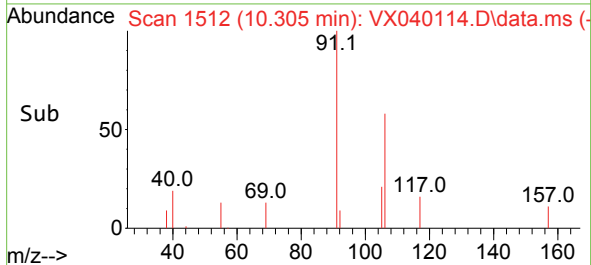
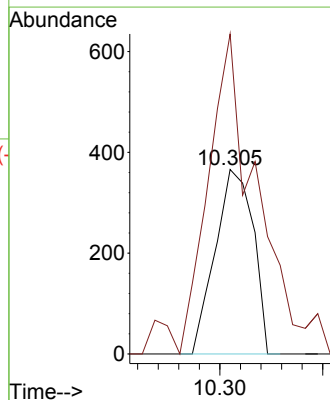
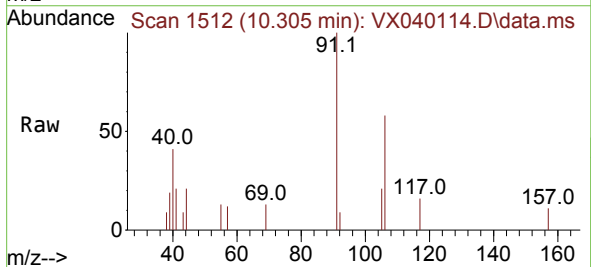
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

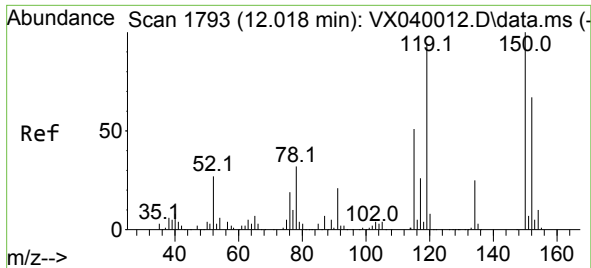
Tgt Ion: 91 Resp: 1841
Ion Ratio Lower Upper
91 100
106 27.4 24.9 37.3



#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 106 Resp: 470
Ion Ratio Lower Upper
106 100
91 231.5 165.5 248.3

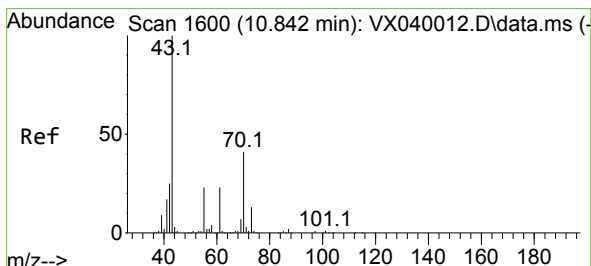
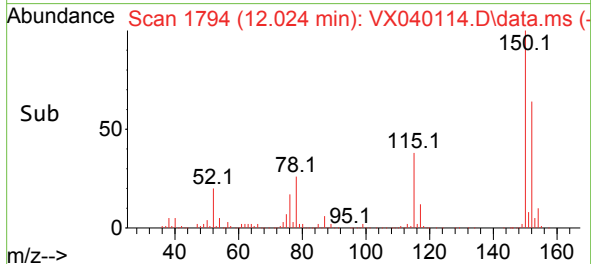
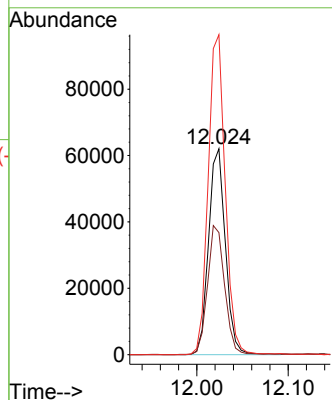
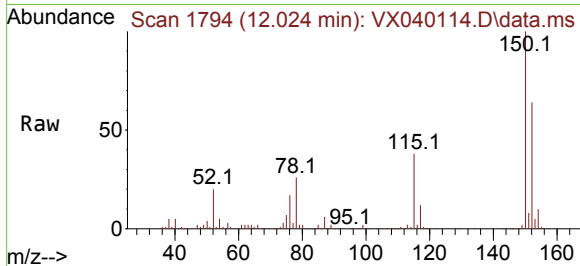




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX040114.D
 Acq: 05 Feb 2024 14:31

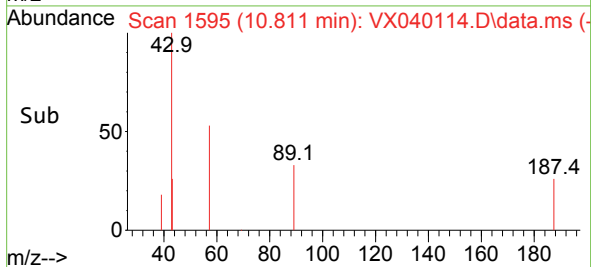
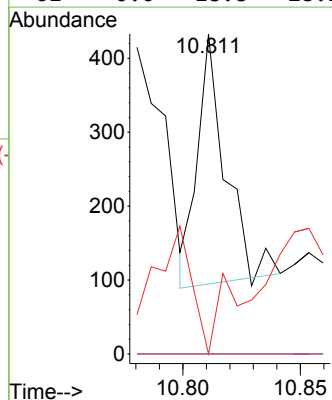
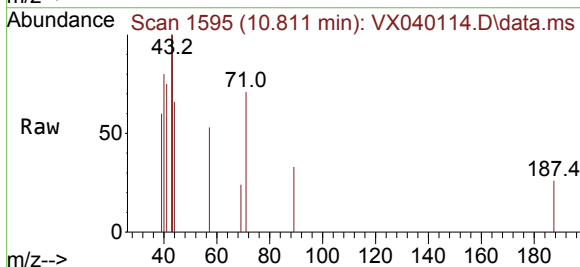
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-0-2

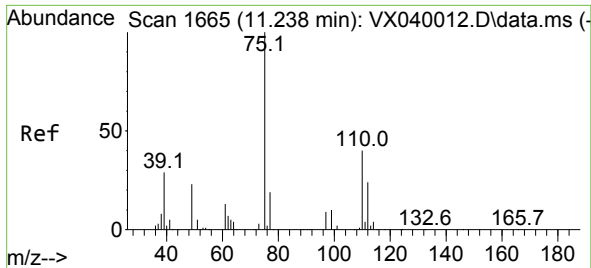
Tgt Ion:152 Resp: 79206
 Ion Ratio Lower Upper
 152 100
 115 63.6 43.3 129.9
 150 157.5 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.307 ug/l
 RT: 10.811 min Scan# 1595
 Delta R.T. -0.031 min
 Lab File: VX040114.D
 Acq: 05 Feb 2024 14:31

Tgt Ion: 43 Resp: 279
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 63.8 19.3 28.9#
 61 0.0 18.8 28.2#

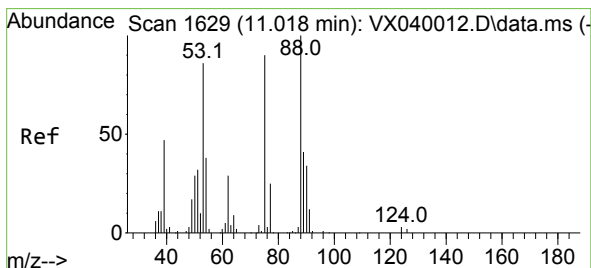
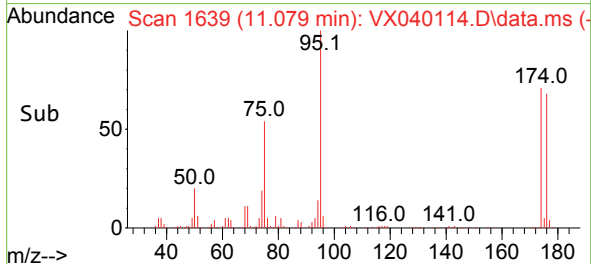
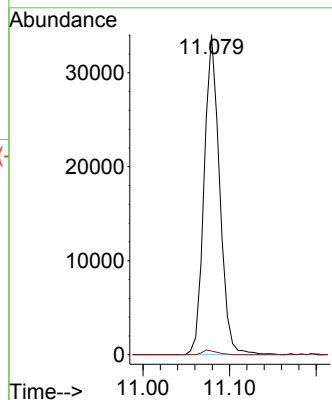
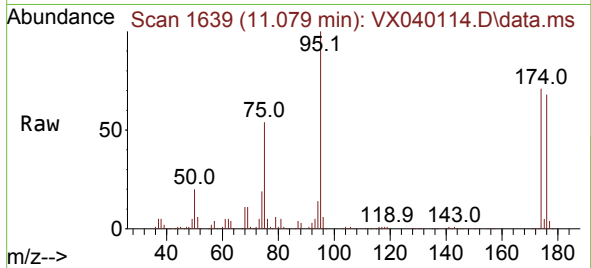




#76
1,2,3-Trichloropropane
Concen: 25.059 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

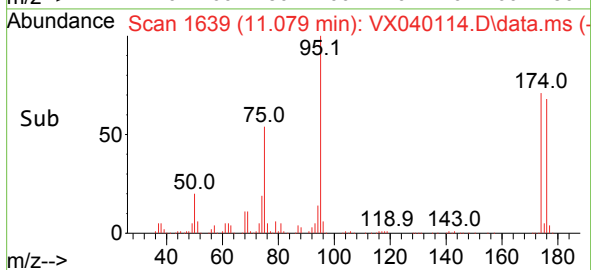
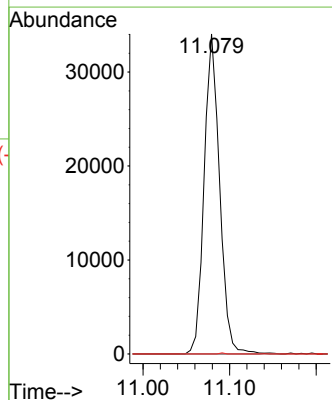
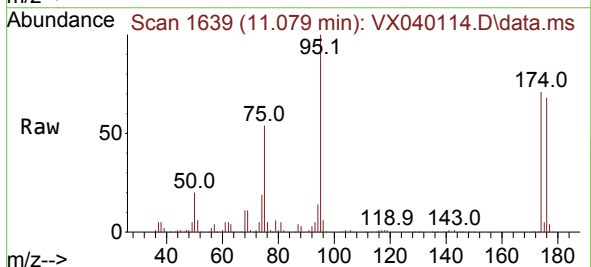
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

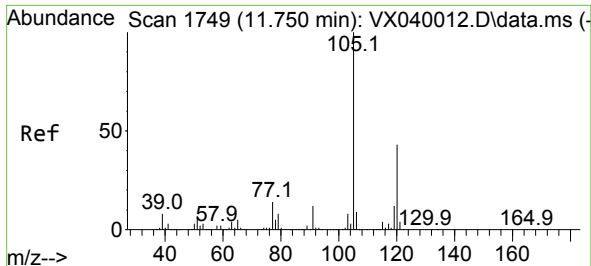
Tgt Ion: 75 Resp: 42267
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion: 75 Resp: 42267
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

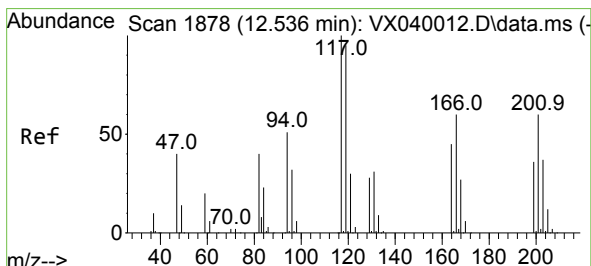
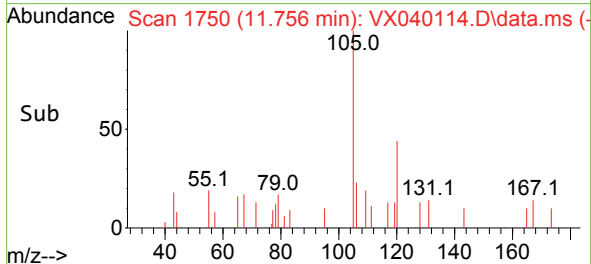
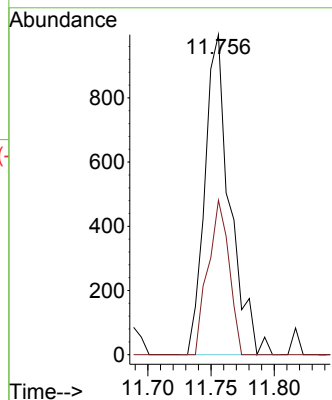
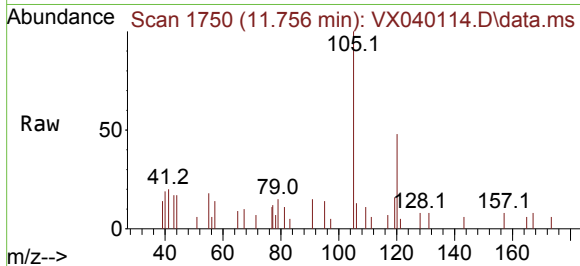




#84
1,2,4-Trimethylbenzene
Concen: 0.282 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

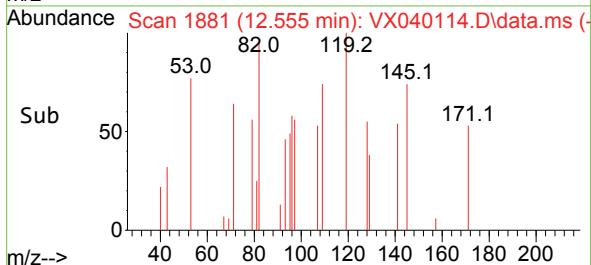
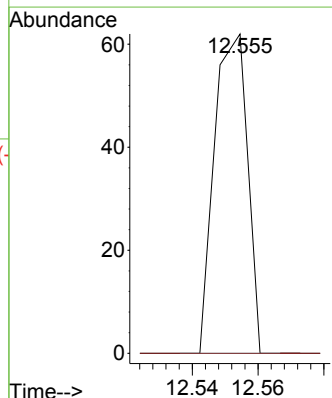
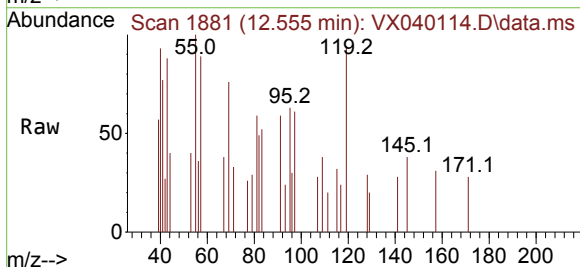
Instrument :
MSVOA_X
ClientSampleId :
EB-4-0-2

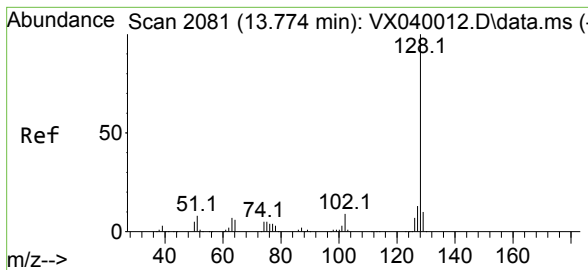
Tgt Ion:105 Resp: 1374
Ion Ratio Lower Upper
105 100
120 40.4 21.2 63.6



#90
Hexachloroethane
Concen: Below Cal
RT: 12.555 min Scan# 1881
Delta R.T. 0.019 min
Lab File: VX040114.D
Acq: 05 Feb 2024 14:31

Tgt Ion:117 Resp: 43
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
 Naphthalene
 Concen: 0.602 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX040114.D
 Acq: 05 Feb 2024 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-4-0-2

Tgt Ion:	128	Resp:	3260
Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.3	15.5#
129	24.7	8.8	13.2#

