

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040117.D
 Acq On : 05 Feb 2024 15:40
 Operator : JC/MD
 Sample : P1141-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 06 03:02:13 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

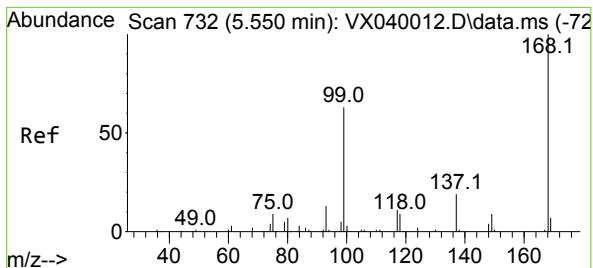
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	91296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66850	45.498	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.000%
35) Dibromofluoromethane	5.385	113	51793	45.665	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.340%
50) Toluene-d8	8.647	98	204216	48.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.300%
62) 4-Bromofluorobenzene	11.079	95	78454	48.037	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.697	59	71	0.266	ug/l #	78
16) Acetone	2.380	43	12316	17.890	ug/l	92
18) Methyl Acetate	2.709	43	1352	0.829	ug/l #	76
20) Methylene Chloride	2.794	84	4599	3.759	ug/l #	85
25) 2-Butanone	4.593	43	1625	1.698	ug/l	92
29) Tetrahydrofuran	5.026	42	250	0.411	ug/l #	75
31) Cyclohexane	5.562	56	2387	1.297	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	7708	4.699	ug/l #	50
37) Ethyl Acetate	4.721	43	3198	1.785	ug/l #	77
38) Carbon Tetrachloride	5.550	117	9778	6.230	ug/l #	15
43) Isopropyl Acetate	6.342	43	78952	27.948	ug/l	99
48) Methyl methacrylate	7.799	41	69244	49.758	ug/l #	48
49) 1,4-Dioxane	7.793	88	121	4.001	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	57897	30.023	ug/l #	47
52) Toluene	8.720	92	21729	7.297	ug/l	96
53) t-1,3-Dichloropropene	8.952	75	486	0.278	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24962	13.376	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	2962	1.459	ug/l #	42
59) 2-Hexanone	9.378	43	71512	46.510	ug/l #	26
67) Ethyl Benzene	10.189	91	1301	0.232	ug/l #	70
68) m/p-Xylenes	10.299	106	589	0.279	ug/l	80
74) N-amyl acetate	10.817	43	626	0.439	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	42096	24.758	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42096	73.320	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1153	0.234	ug/l	67
90) Hexachloroethane	12.518	117	33	Below Cal	#	17

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

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Quant Title : SW846 8260
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: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

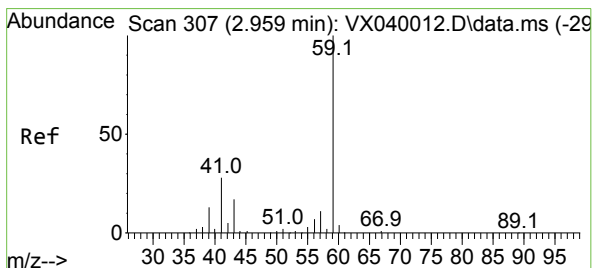
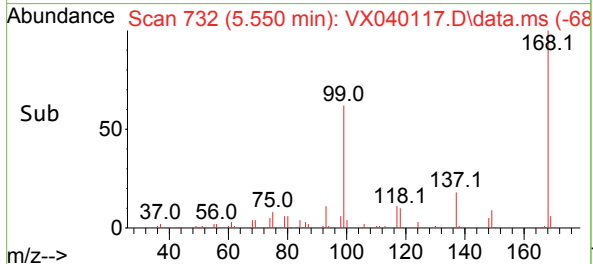
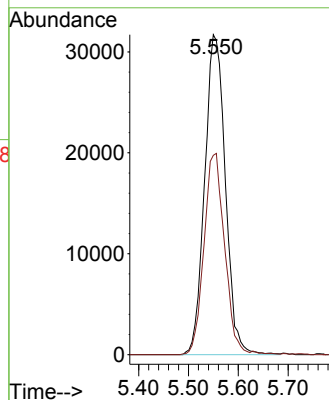
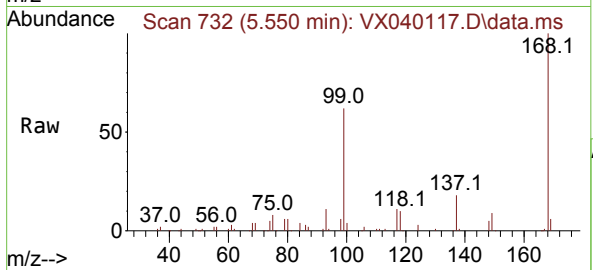
EB-2-0-2

Tgt Ion:168 Resp: 91296

Ion Ratio Lower Upper

168 100

99 62.3 56.6 85.0



#11

Tert butyl alcohol

Concen: 0.266 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.262 min

Lab File: VX040117.D

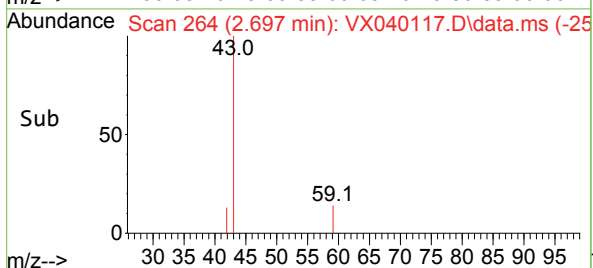
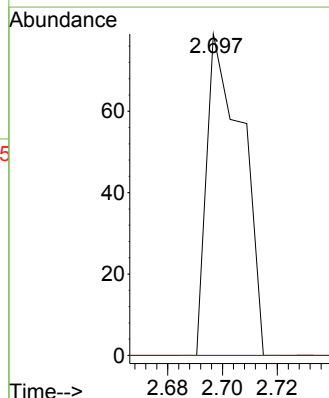
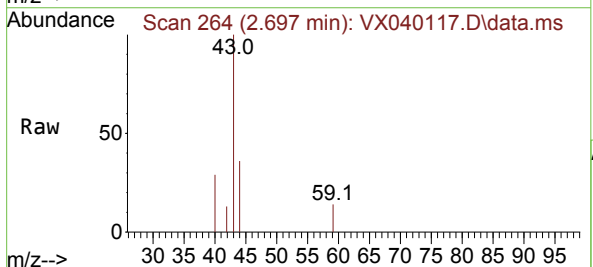
Acq: 05 Feb 2024 15:40

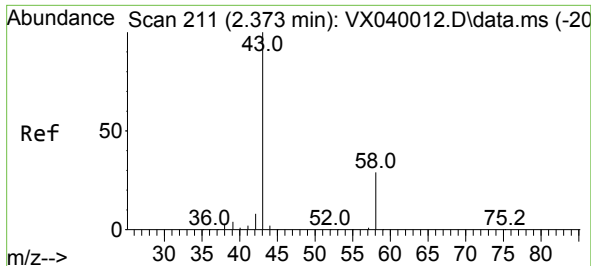
Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#16

Acetone

Concen: 17.890 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

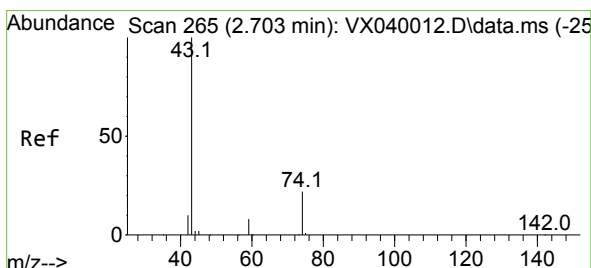
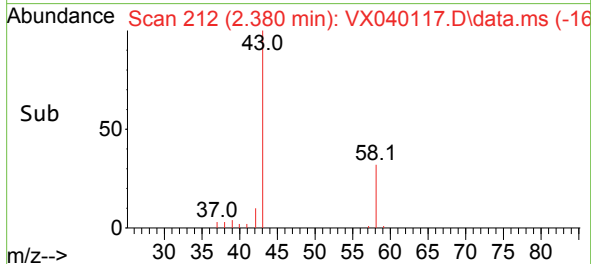
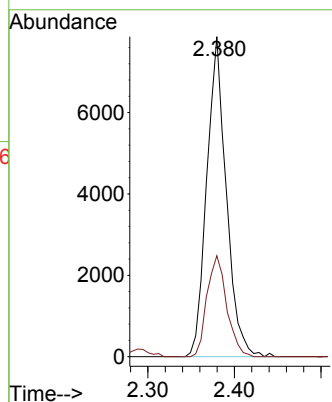
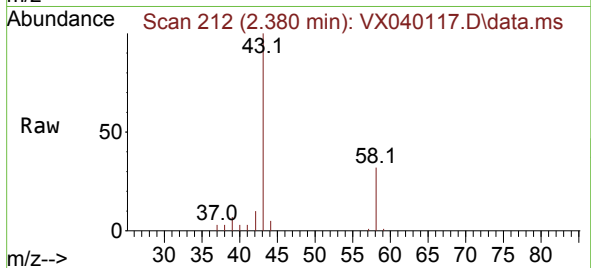
EB-2-0-2

Tgt Ion: 43 Resp: 12316

Ion Ratio Lower Upper

43 100

58 31.6 21.9 32.9



#18

Methyl Acetate

Concen: 0.829 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040117.D

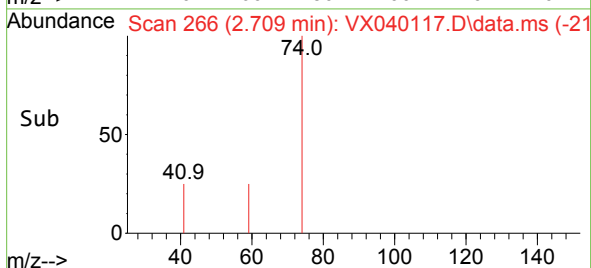
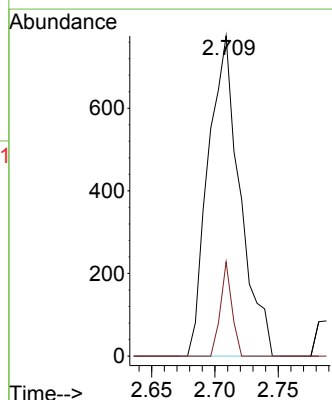
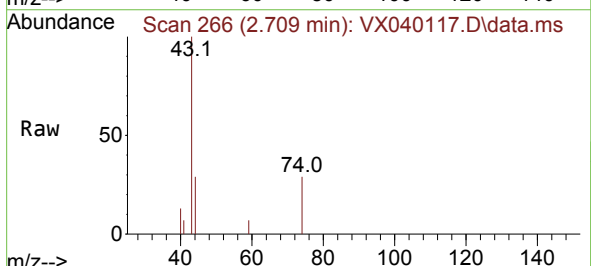
Acq: 05 Feb 2024 15:40

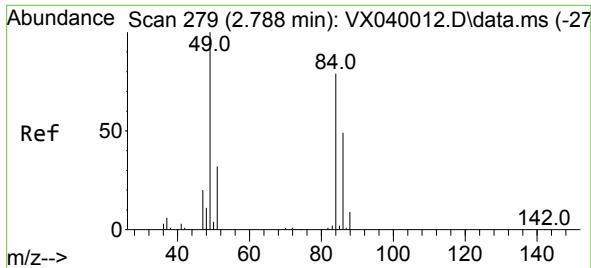
Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

74 10.6 17.8 26.8#

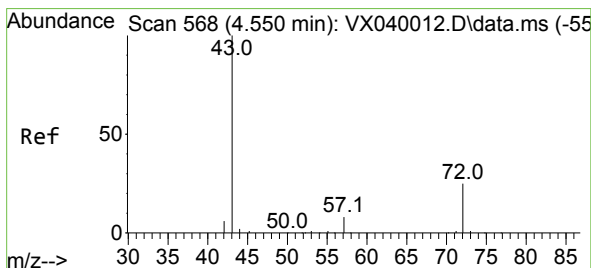
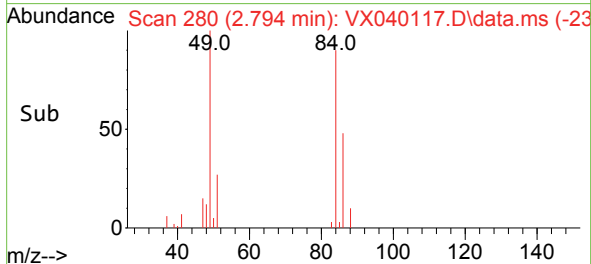
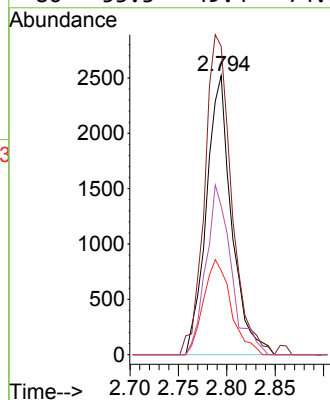
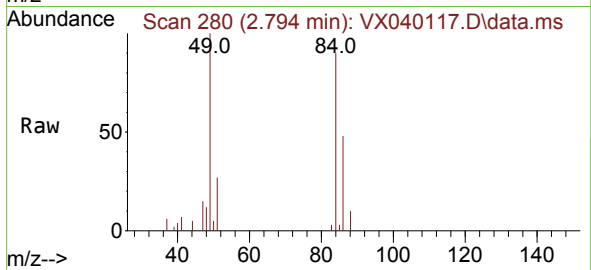




#20
Methylene Chloride
Concen: 3.759 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

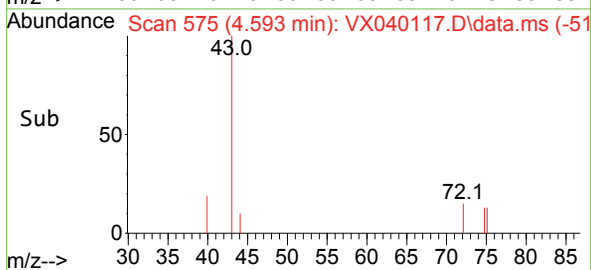
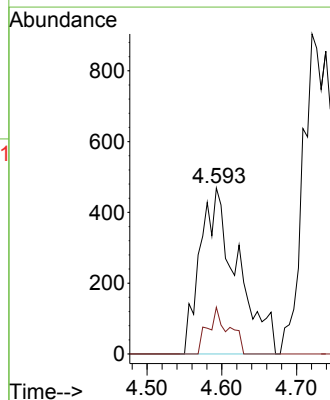
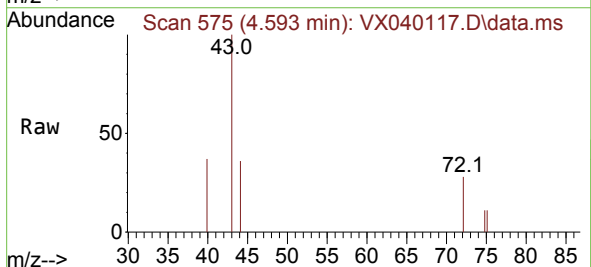
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

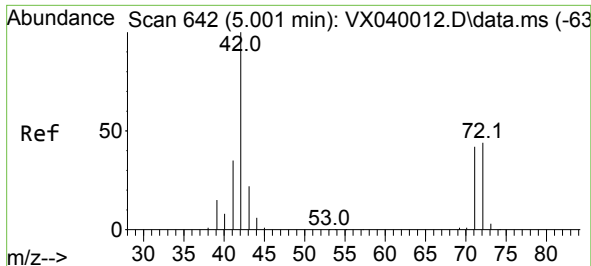
Tgt Ion:	84	Resp:	4599
Ion	Ratio	Lower	Upper
84	100		
49	110.6	103.6	155.4
51	30.1	33.8	50.6#
86	53.3	49.4	74.0



#25
2-Butanone
Concen: 1.698 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.043 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion:	43	Resp:	1625
Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

EB-2-0-2

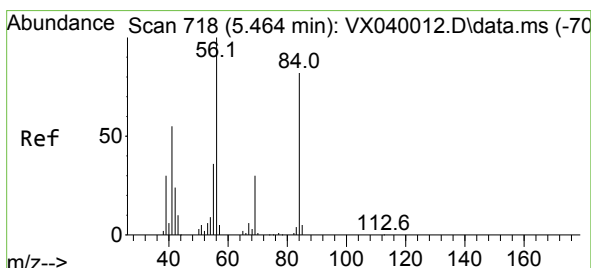
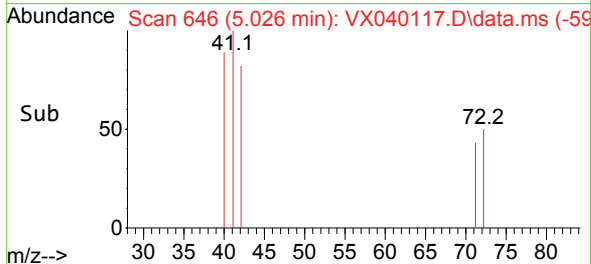
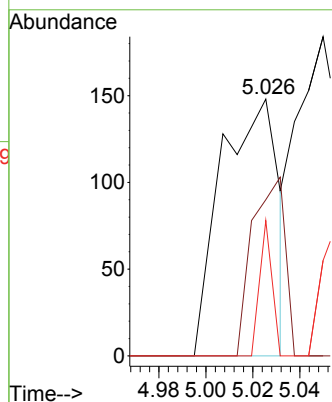
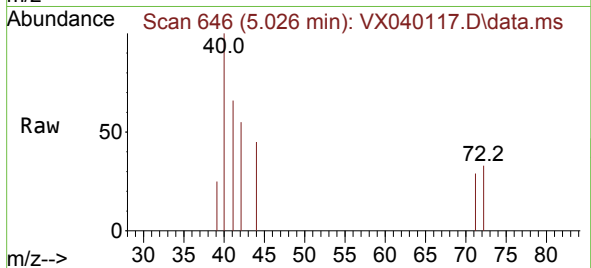
Tgt Ion: 42 Resp: 250

Ion Ratio Lower Upper

42 100

72 39.6 34.2 51.4

71 11.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.098 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

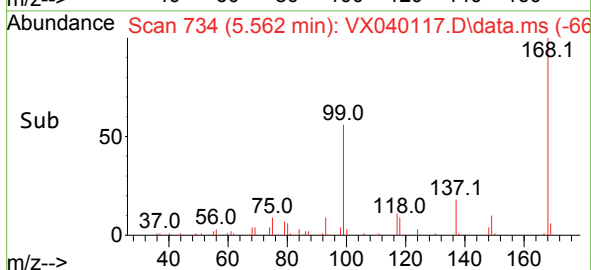
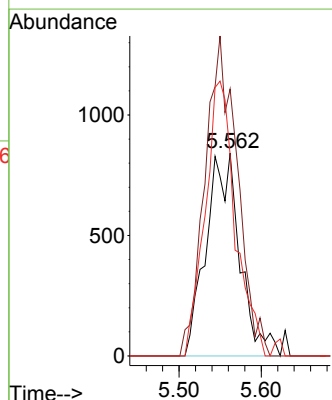
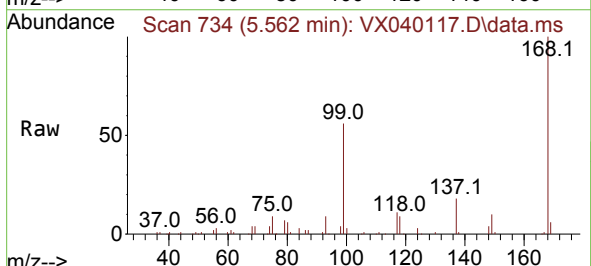
Tgt Ion: 56 Resp: 2387

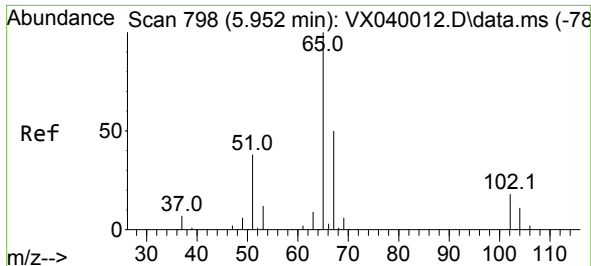
Ion Ratio Lower Upper

56 100

69 131.6 23.4 35.2#

84 99.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.498 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

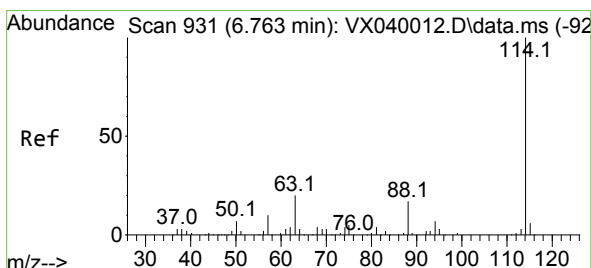
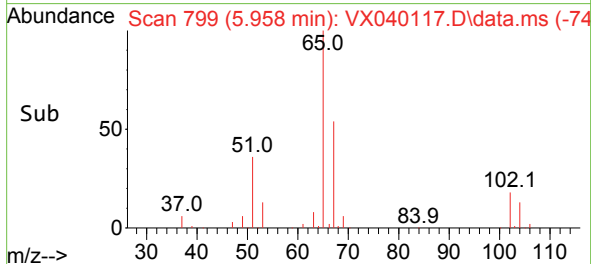
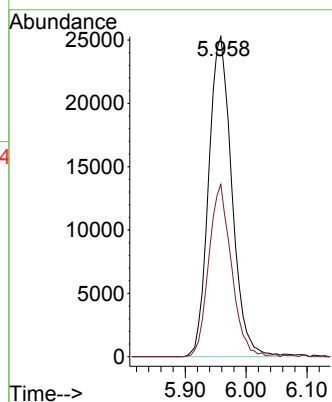
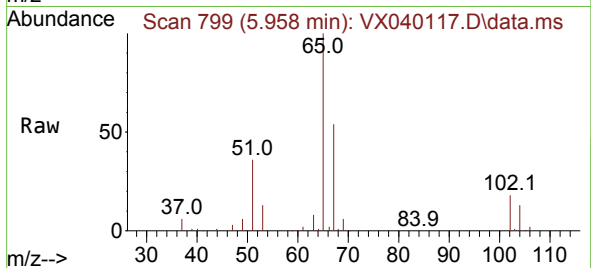
EB-2-0-2

Tgt Ion: 65 Resp: 66850

Ion Ratio Lower Upper

65 100

67 52.6 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: VX040117.D

Acq: 05 Feb 2024 15:40

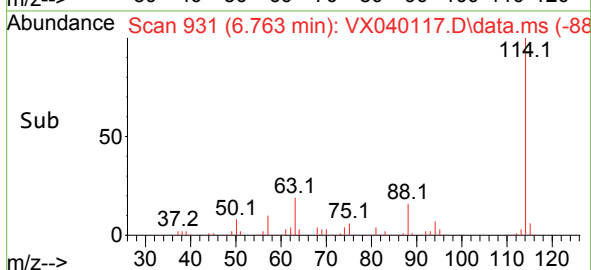
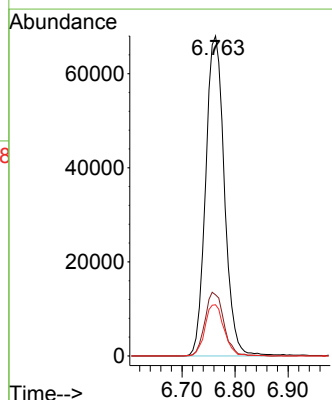
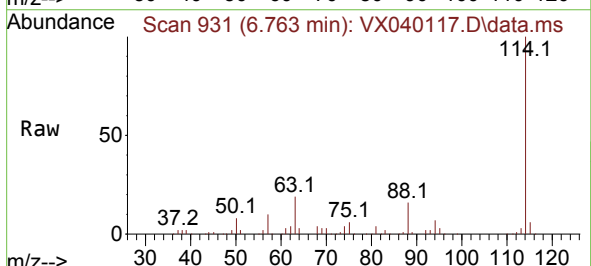
Tgt Ion: 114 Resp: 166612

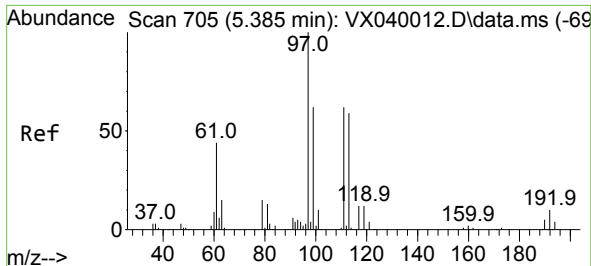
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.665 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

EB-2-0-2

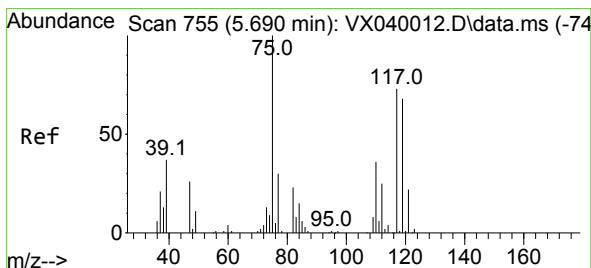
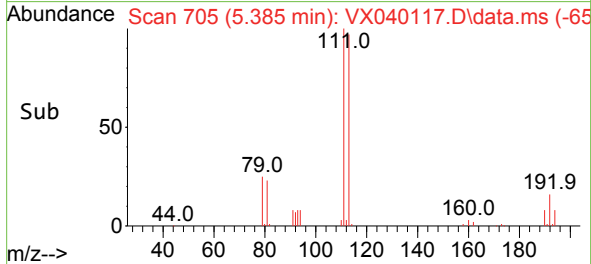
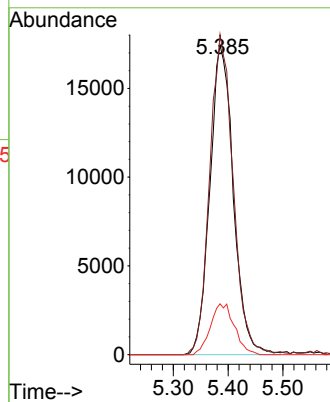
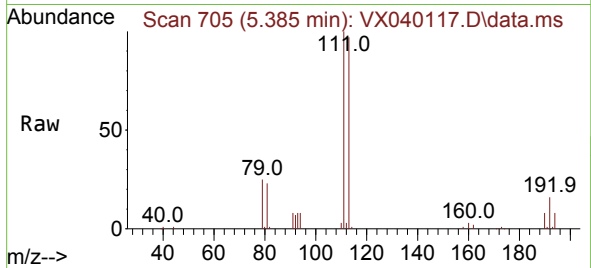
Tgt Ion:113 Resp: 51793

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 16.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

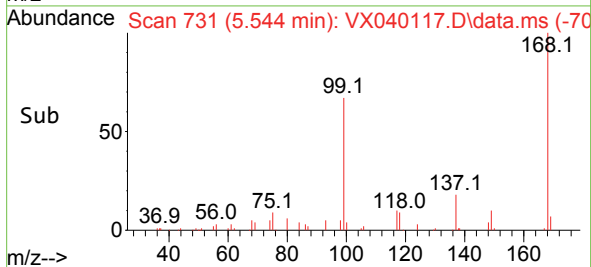
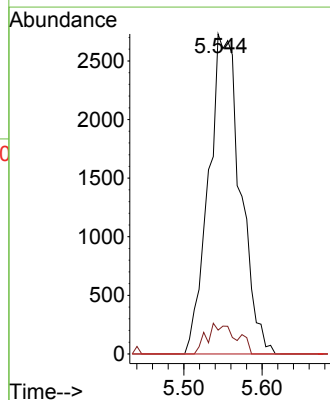
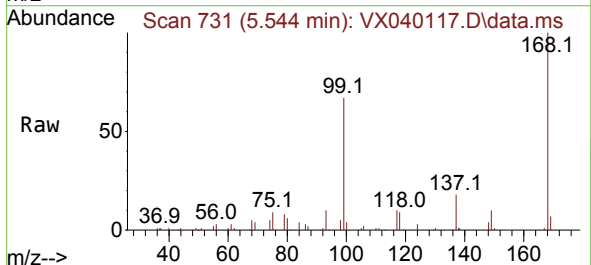
Tgt Ion: 75 Resp: 7708

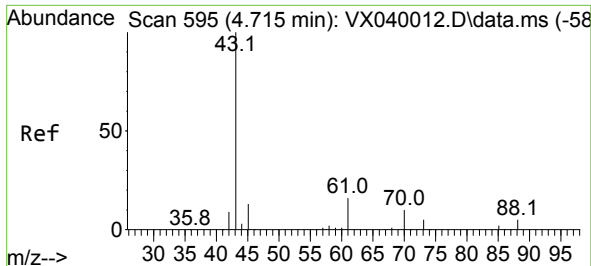
Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.785 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

EB-2-0-2

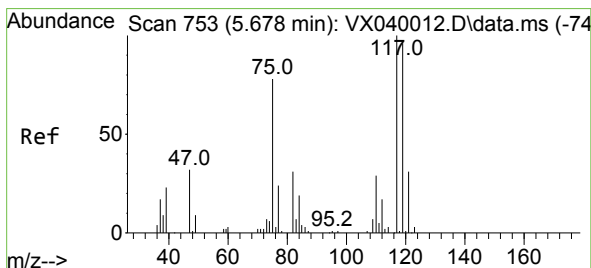
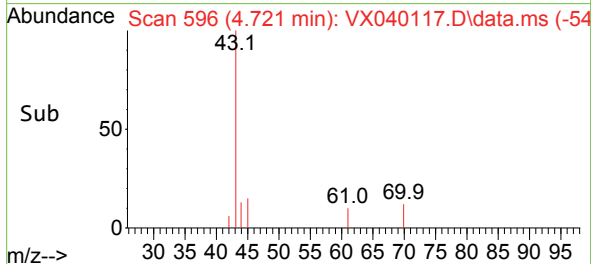
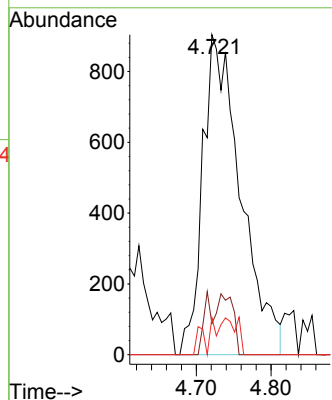
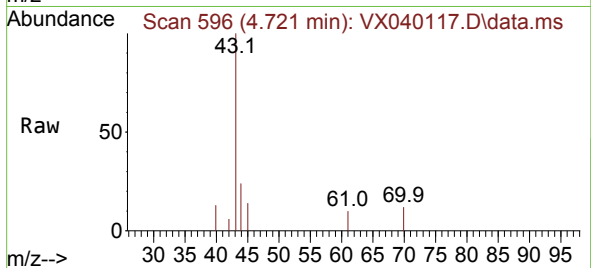
Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

61 4.0 10.6 16.0#

70 1.7 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

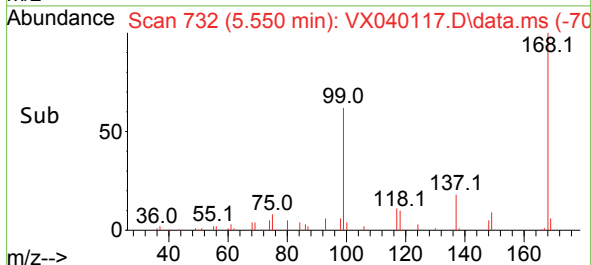
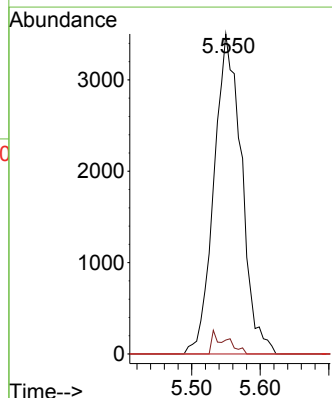
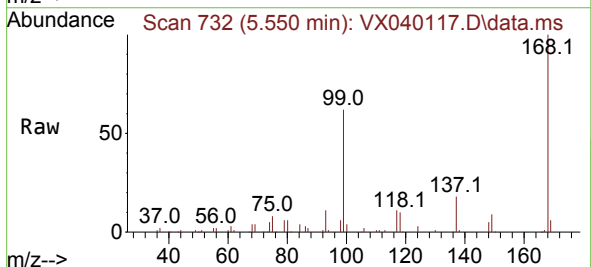
Tgt Ion: 117 Resp: 9778

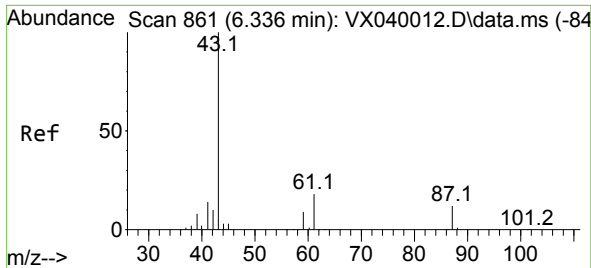
Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 24.4 36.6#

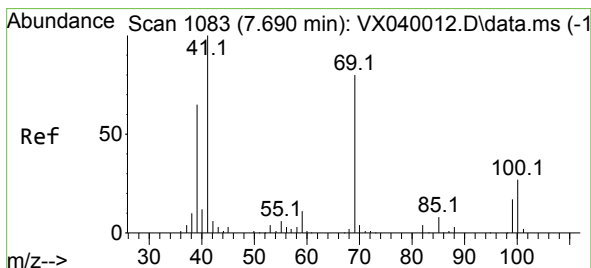
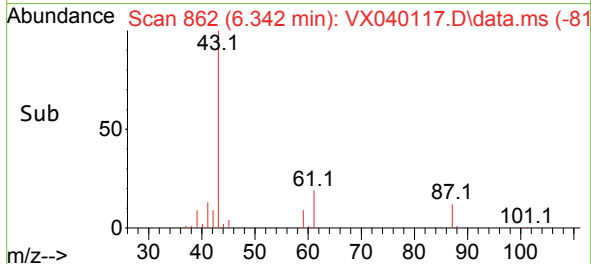
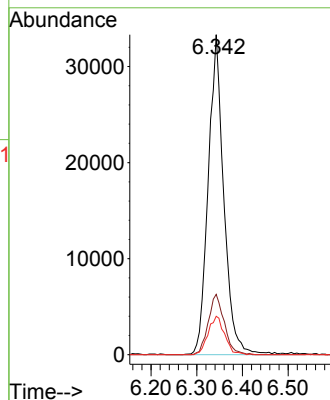
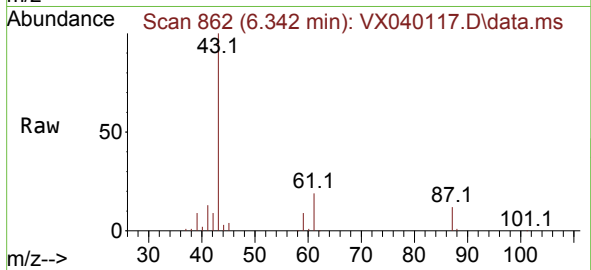




#43
Isopropyl Acetate
Concen: 27.948 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

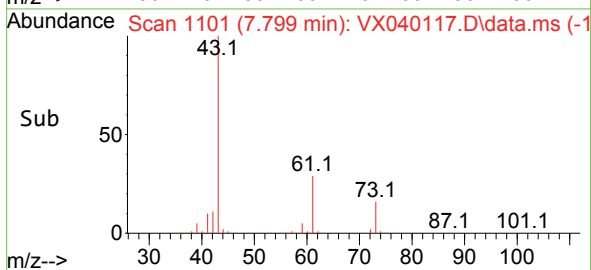
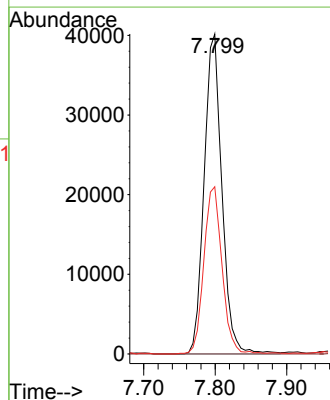
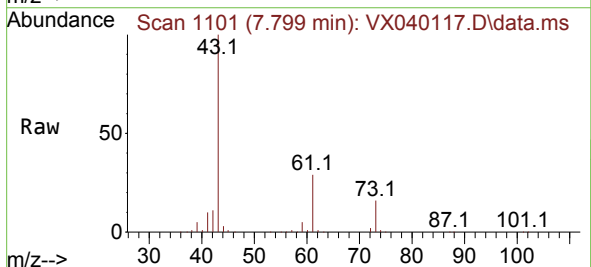
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

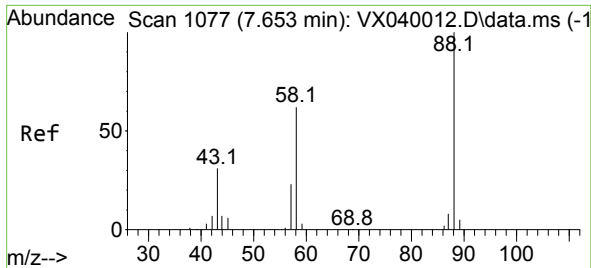
Tgt Ion: 43	Resp: 78952
Ion Ratio	Lower Upper
43	100
61	19.3 15.2 22.8
87	12.7 9.8 14.6



#48
Methyl methacrylate
Concen: 49.758 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 41	Resp: 69244
Ion Ratio	Lower Upper
41	100
69	0.0 59.2 88.8#
39	53.7 47.7 71.5

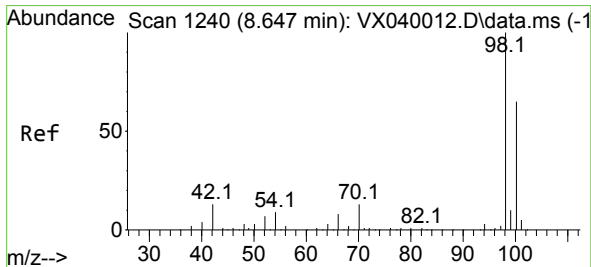
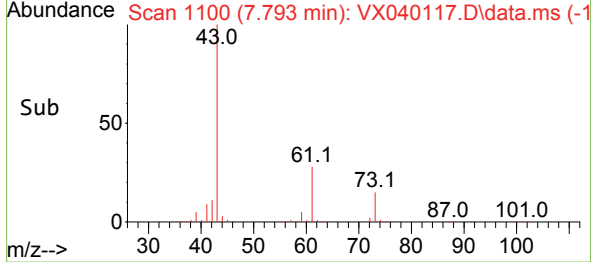
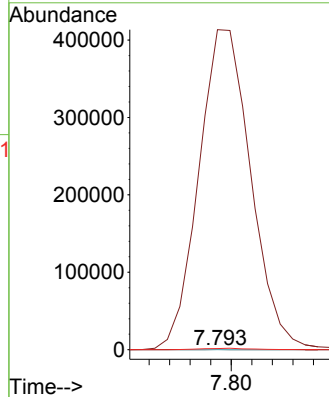
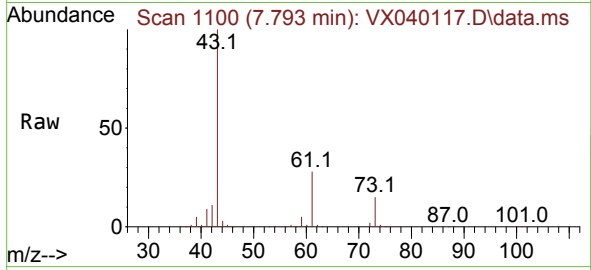




#49
1,4-Dioxane
Concen: 4.001 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.140 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

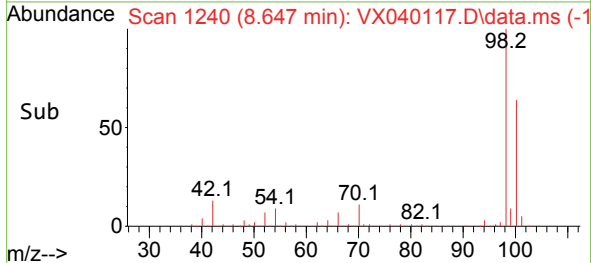
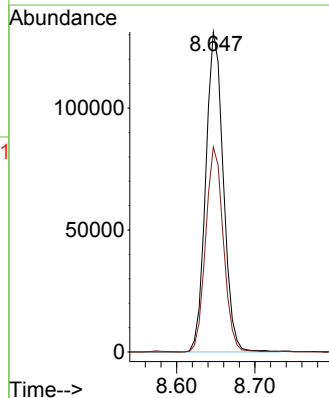
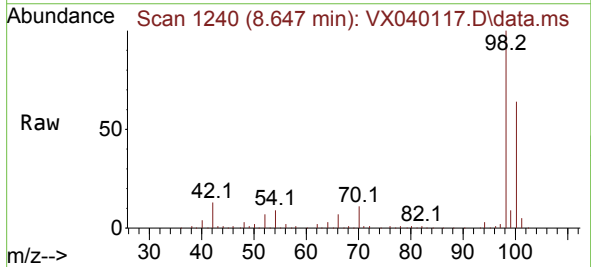
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

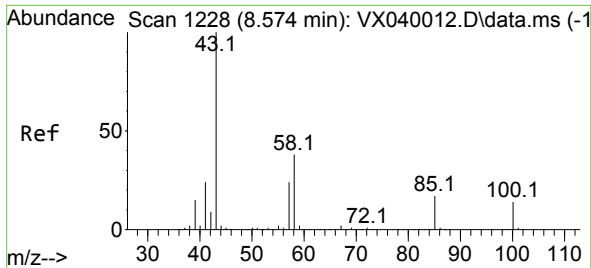
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 607794.2 0.0 0.0#
58 2458.7 60.1 90.1#



#50
Toluene-d8
Concen: 48.147 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 98 Resp: 204216
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

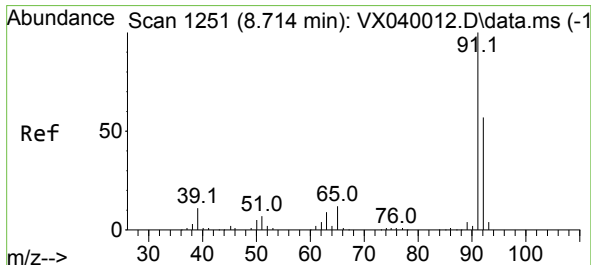
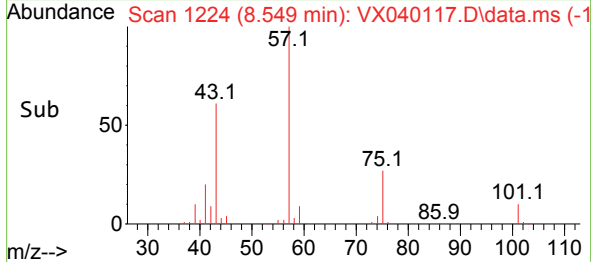
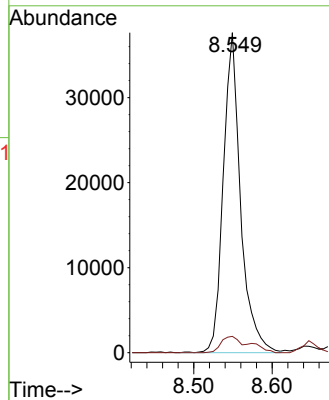
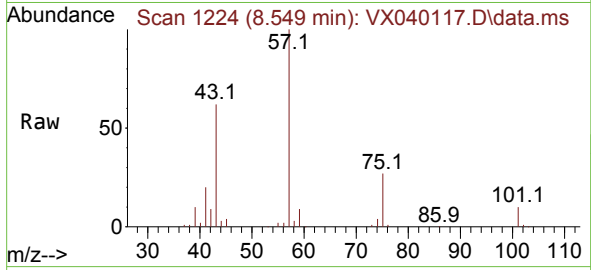




#51
4-Methyl-2-Pentanone
Concen: 30.023 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

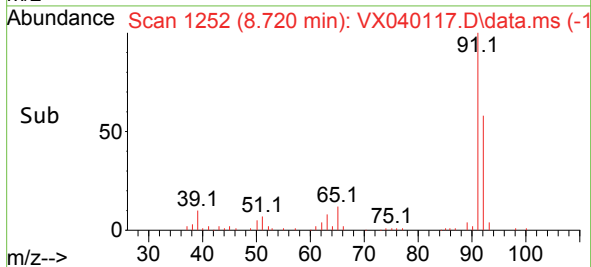
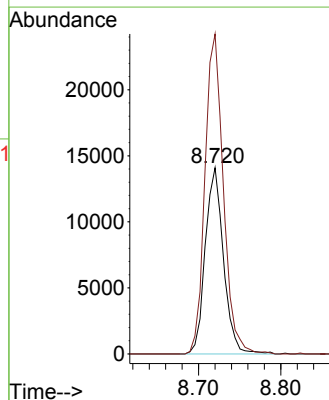
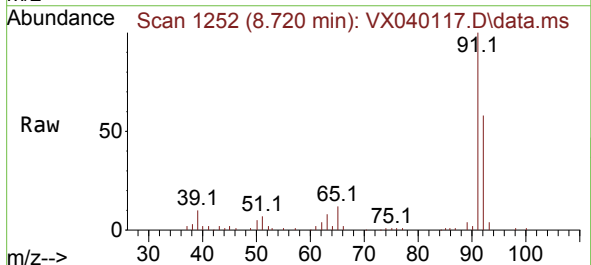
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

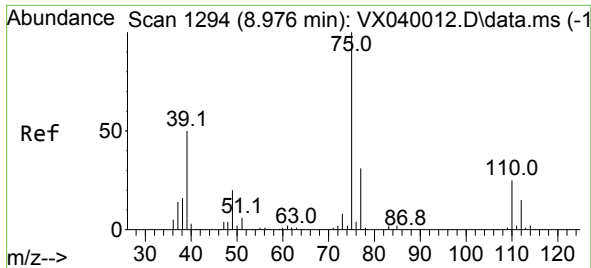
Tgt Ion: 43 Resp: 57897
Ion Ratio Lower Upper
43 100
58 6.0 30.4 45.6#



#52
Toluene
Concen: 7.297 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 92 Resp: 21729
Ion Ratio Lower Upper
92 100
91 173.4 134.2 201.2

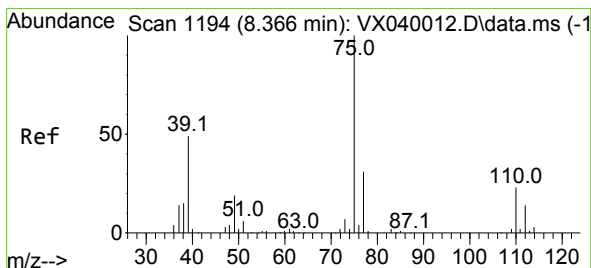
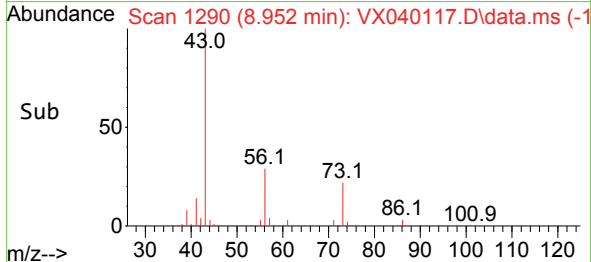
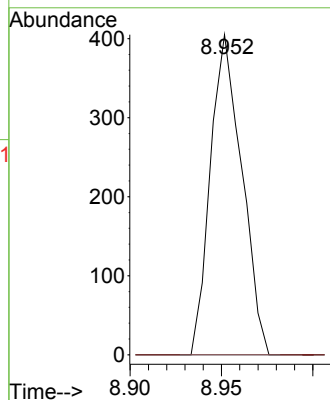
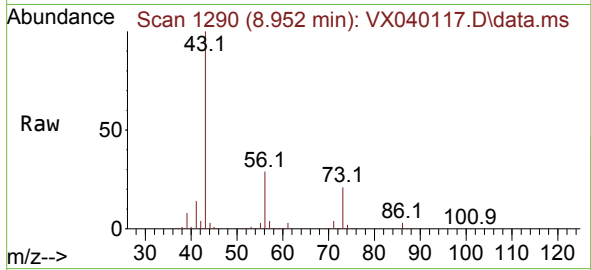




#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 8.952 min Scan# 1124
Delta R.T. -0.024 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

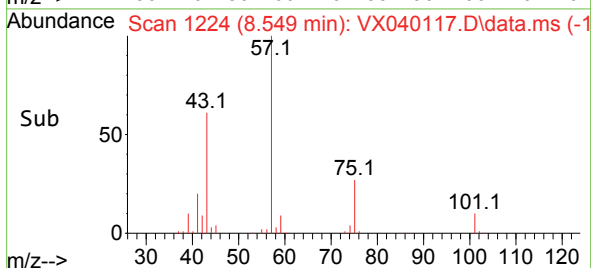
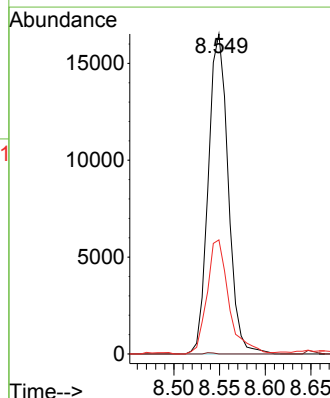
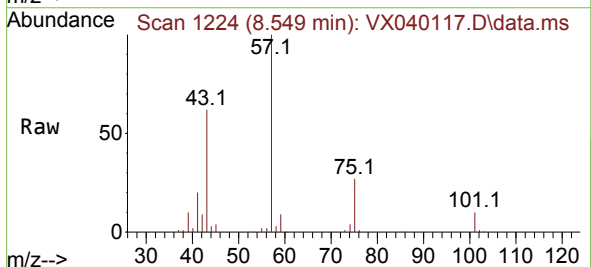
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

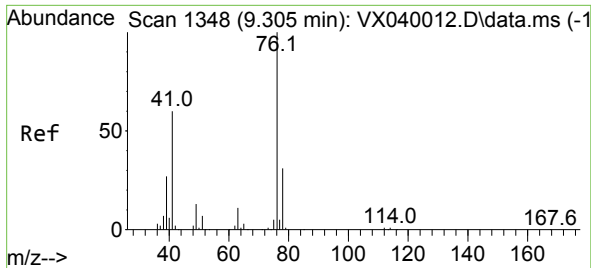
Tgt Ion: 75 Resp: 486
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 13.376 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 75 Resp: 24962
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 35.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.459 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

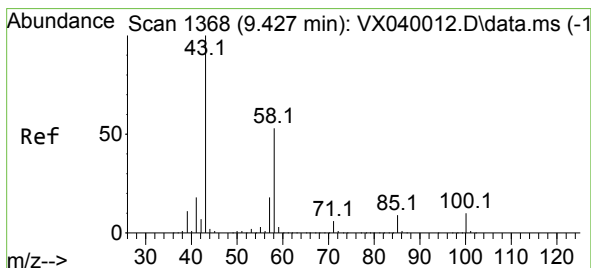
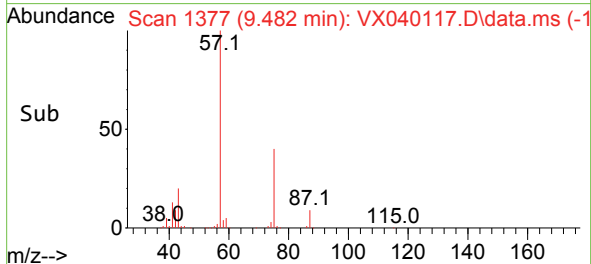
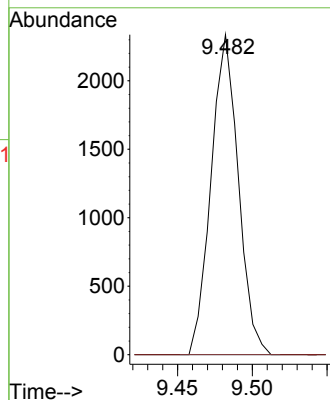
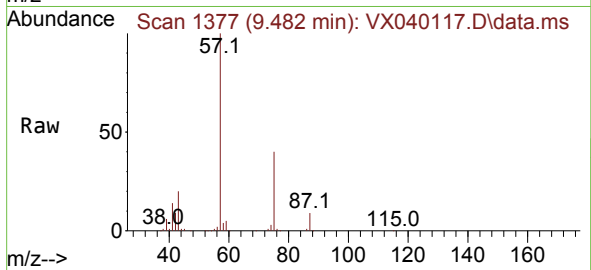
EB-2-0-2

Tgt Ion: 76 Resp: 2962

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.510 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX040117.D

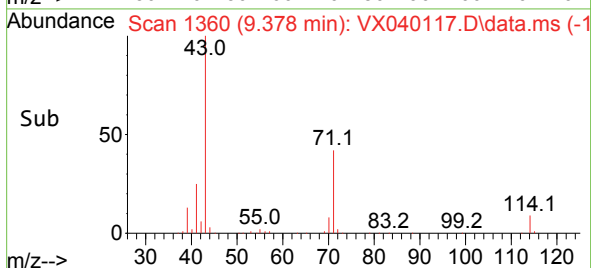
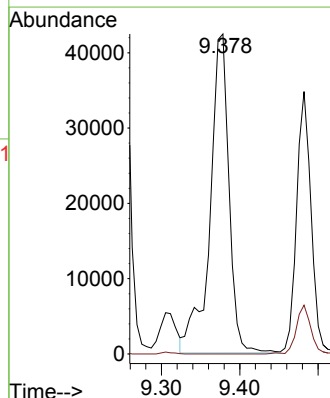
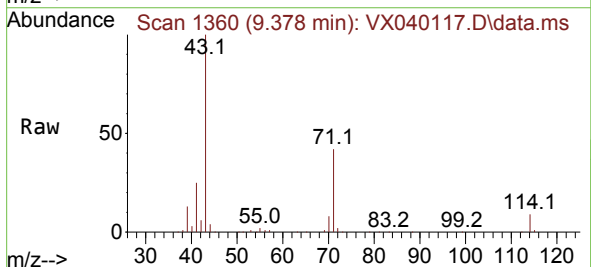
Acq: 05 Feb 2024 15:40

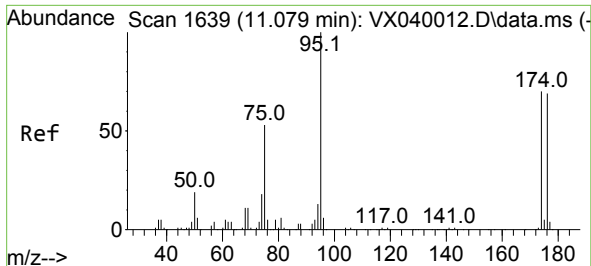
Tgt Ion: 43 Resp: 71512

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

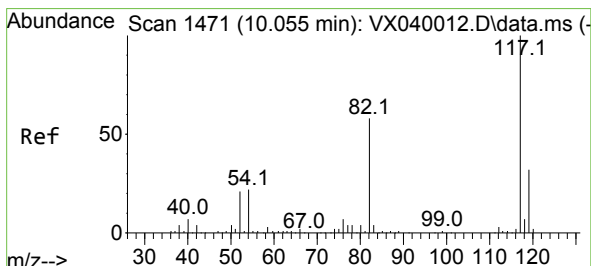
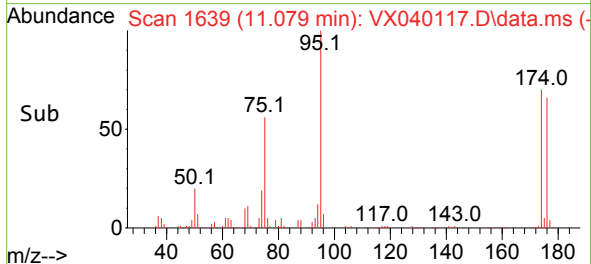
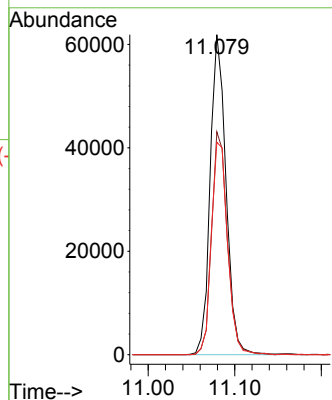
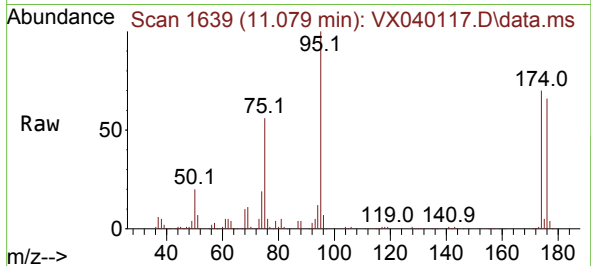




#62
4-Bromofluorobenzene
Concen: 48.037 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

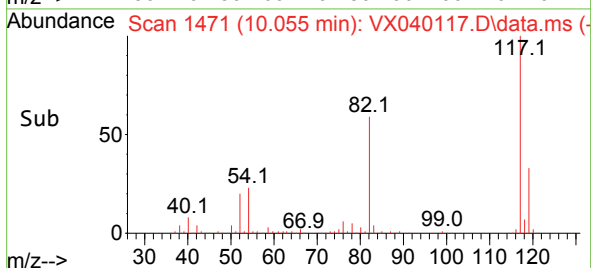
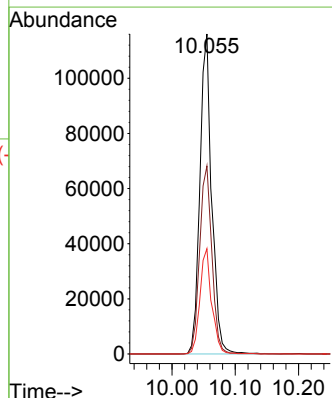
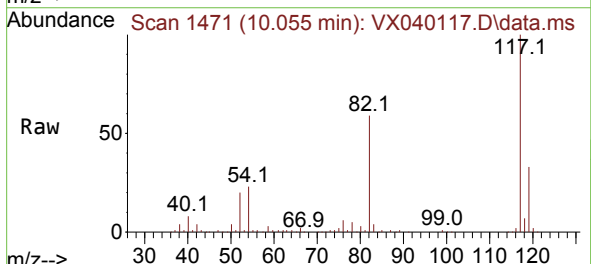
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

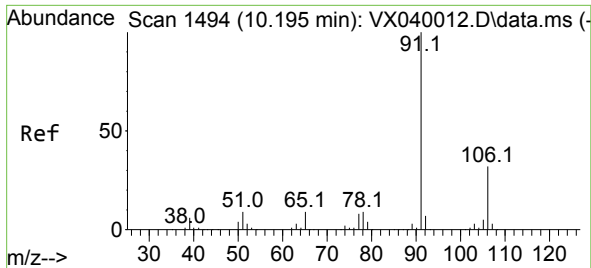
Tgt Ion: 95 Resp: 78454
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.6
176 68.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 117 Resp: 151130
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.4
119 32.9 25.5 38.3

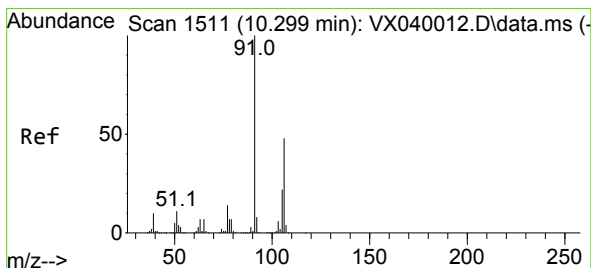
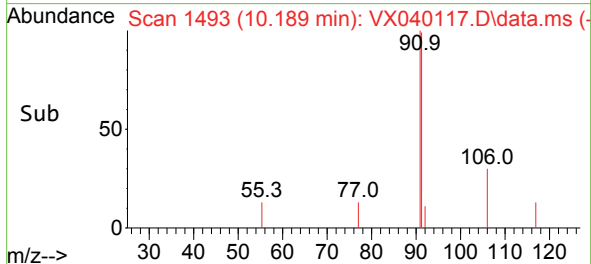
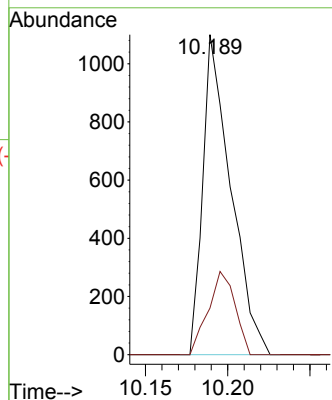
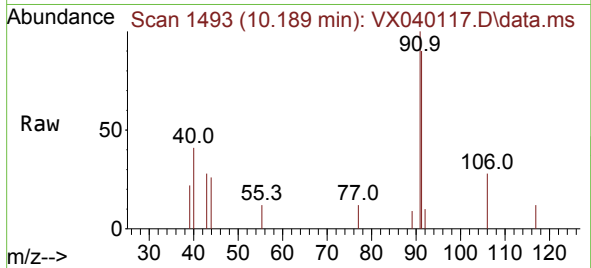




#67
Ethyl Benzene
Concen: 0.232 ug/l
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

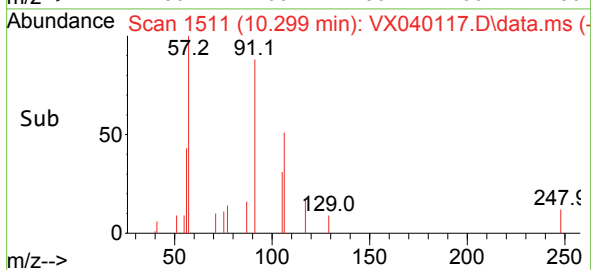
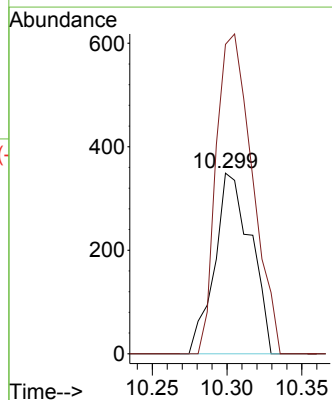
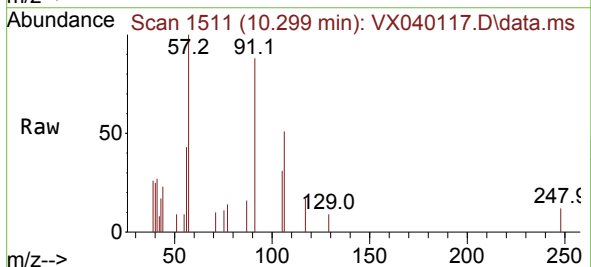
Instrument :
MSVOA_X
ClientSampleId :
EB-2-0-2

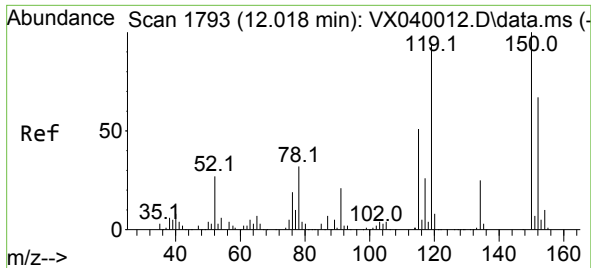
Tgt Ion: 91 Resp: 1301
Ion Ratio Lower Upper
91 100
106 14.5 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.279 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040117.D
Acq: 05 Feb 2024 15:40

Tgt Ion: 106 Resp: 589
Ion Ratio Lower Upper
106 100
91 176.1 165.5 248.3

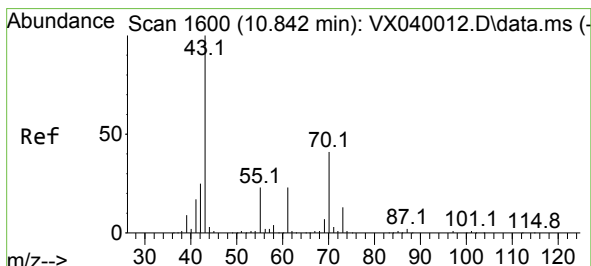
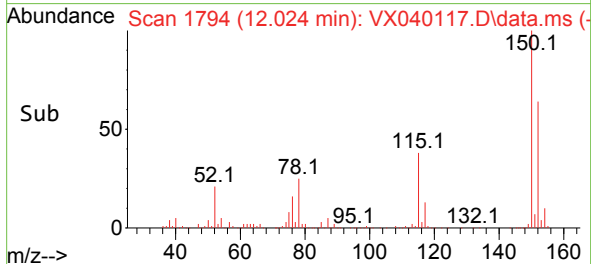
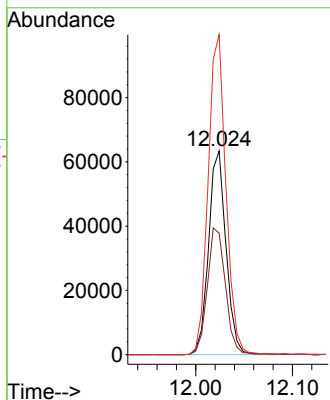
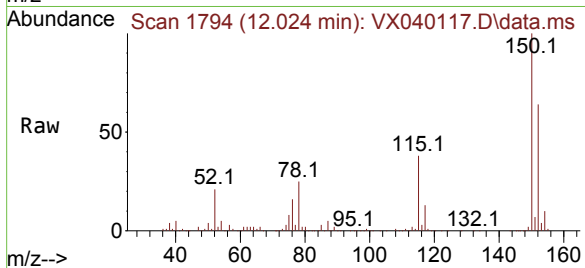




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX040117.D
 Acq: 05 Feb 2024 15:40

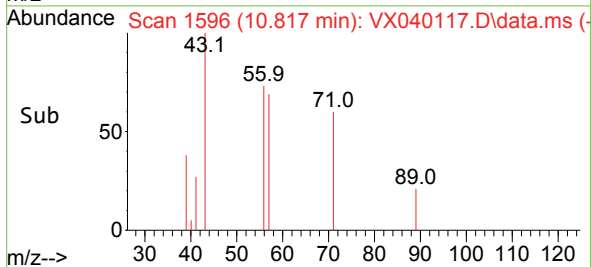
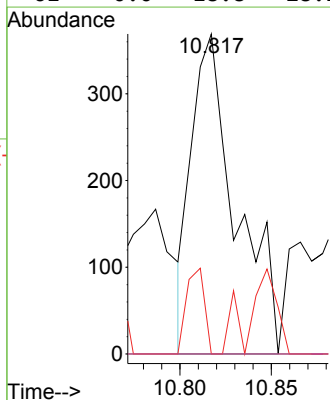
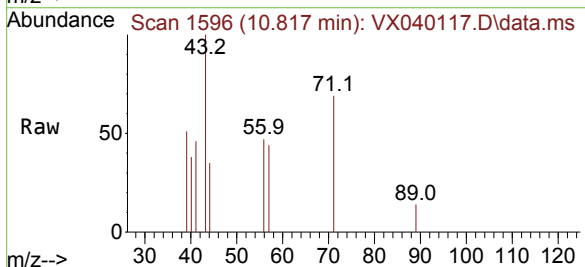
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2-0-2

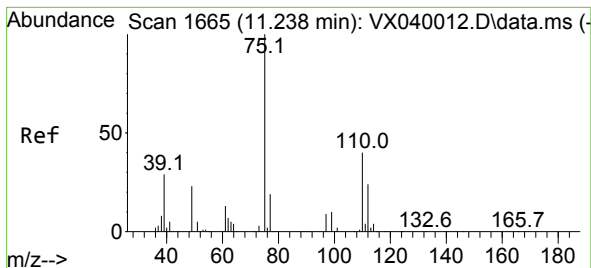
Tgt Ion:152 Resp: 79843
 Ion Ratio Lower Upper
 152 100
 115 64.7 43.3 129.9
 150 160.0 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.439 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX040117.D
 Acq: 05 Feb 2024 15:40

Tgt Ion: 43 Resp: 626
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 10.9 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.758 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

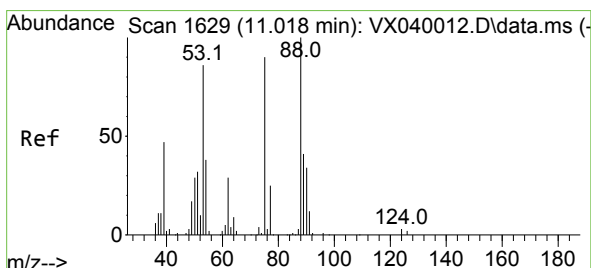
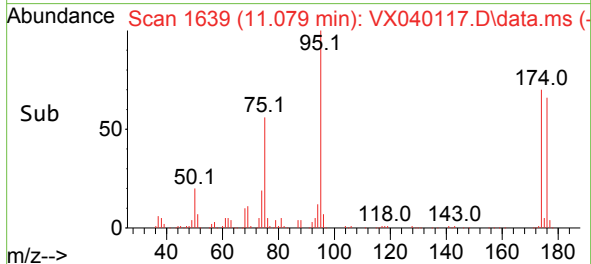
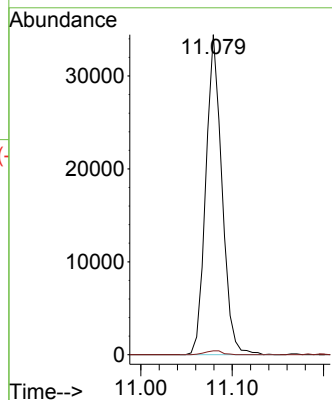
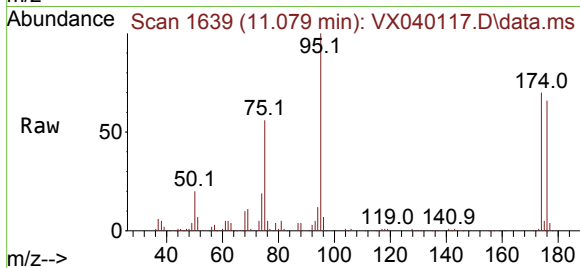
EB-2-0-2

Tgt Ion: 75 Resp: 42096

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.320 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

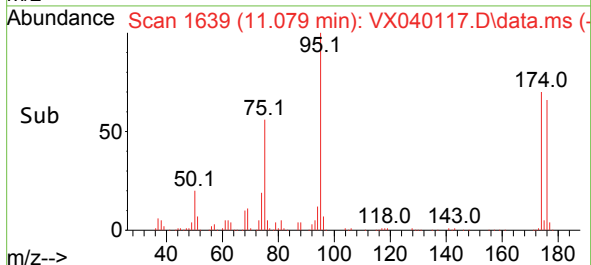
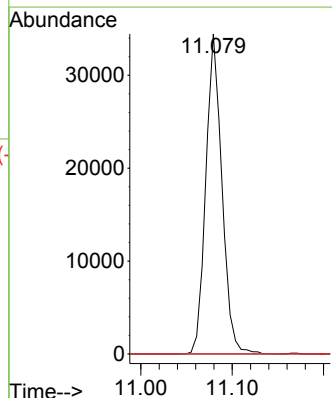
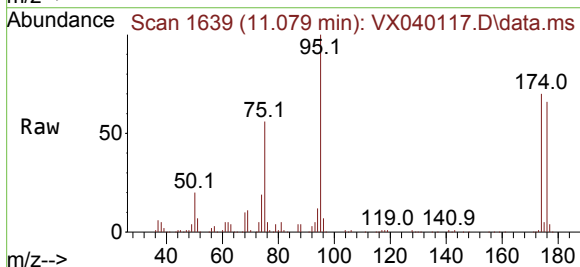
Tgt Ion: 75 Resp: 42096

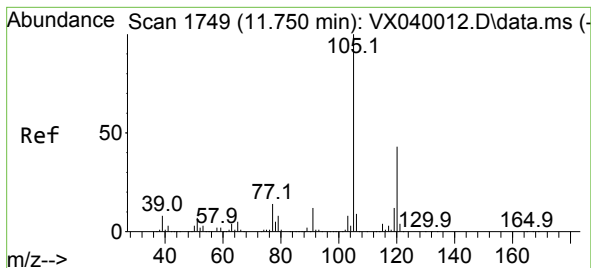
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.234 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

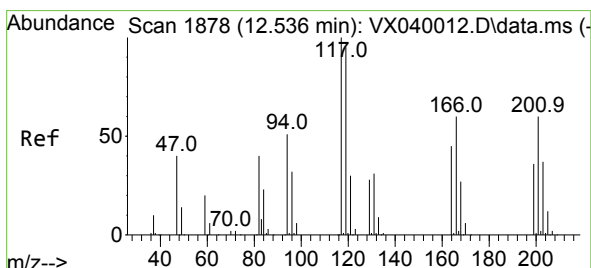
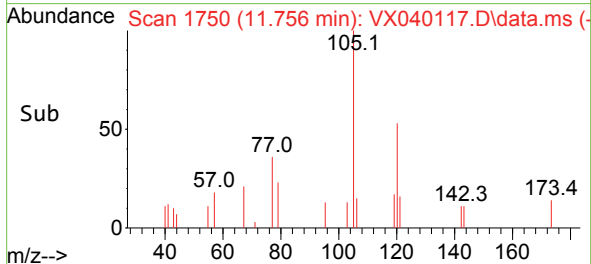
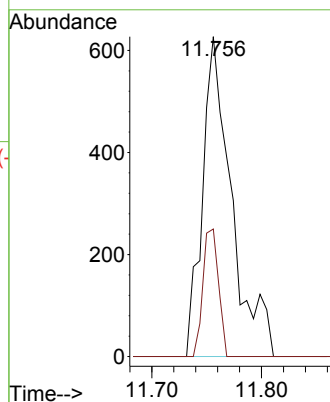
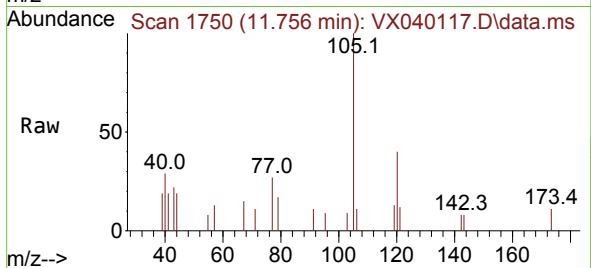
EB-2-0-2

Tgt Ion:105 Resp: 1153

Ion Ratio Lower Upper

105 100

120 21.3 21.2 63.6



#90

Hexachloroethane

Concen: Below Cal

RT: 12.518 min Scan# 1875

Delta R.T. -0.018 min

Lab File: VX040117.D

Acq: 05 Feb 2024 15:40

Tgt Ion:117 Resp: 33

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#

