

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034650.D
 Acq On : 21 Mar 2023 13:29
 Operator : JC/MD
 Sample : 02013-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 600

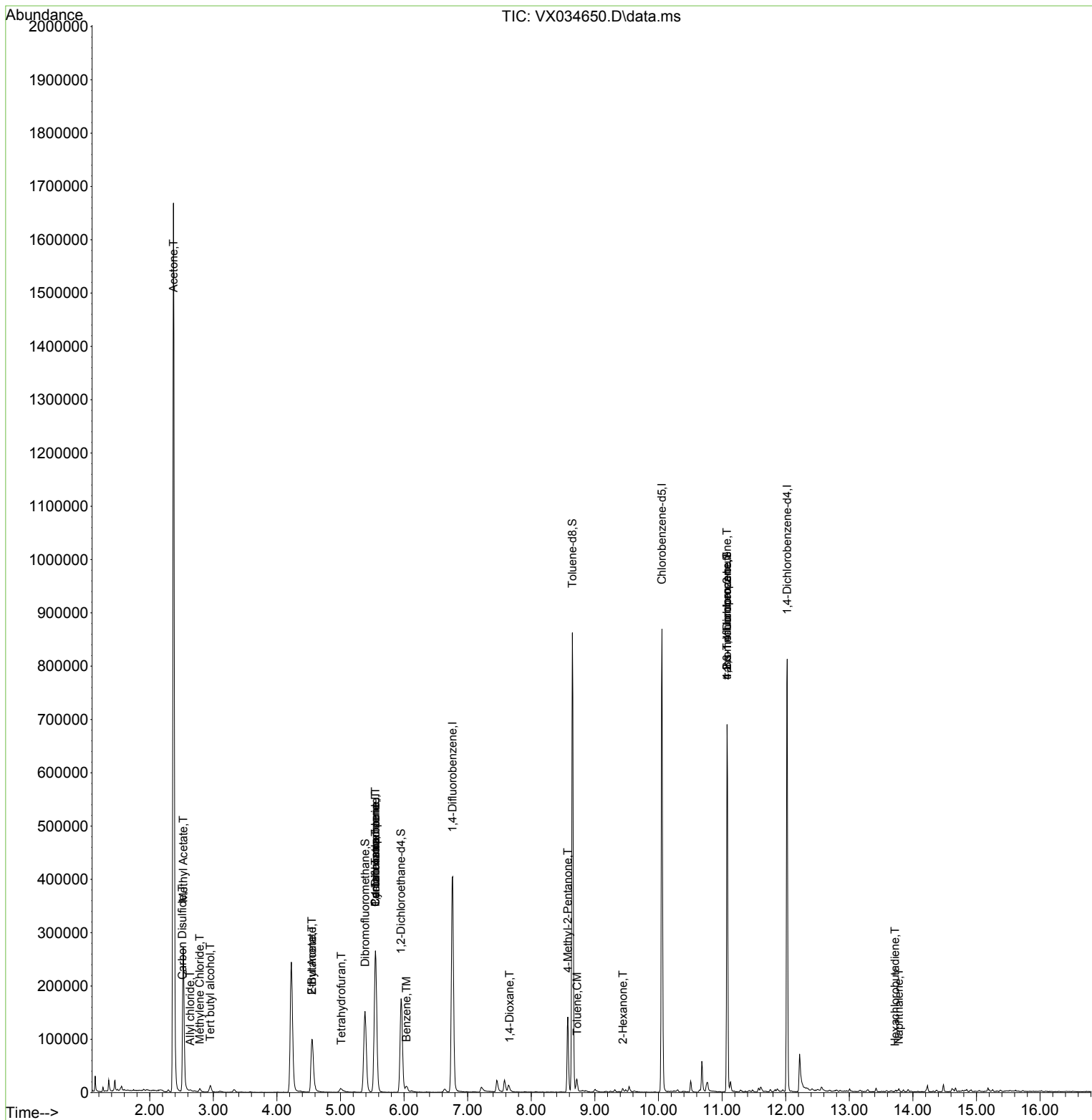
Quant Time: Mar 22 02:03:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

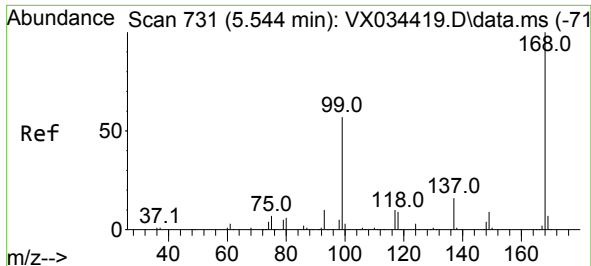
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	245665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412267	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165893	46.418	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.840%
35) Dibromofluoromethane	5.385	113	128700	47.282	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.560%
50) Toluene-d8	8.647	98	492910	48.508	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.020%
62) 4-Bromofluorobenzene	11.079	95	174436	42.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	815	Below Cal		99
11) Tert butyl alcohol	2.953	59	13677	18.377	ug/l	98
14) Allyl chloride	2.636	41	2607	0.478	ug/l #	26
16) Acetone	2.373	43	1695469	1007.110	ug/l	100
17) Carbon Disulfide	2.514	76	1943	0.257	ug/l #	91
18) Methyl Acetate	2.526	43	76376	13.884	ug/l #	53
20) Methylene Chloride	2.788	84	2769	0.847	ug/l #	88
25) 2-Butanone	4.550	43	185768	77.119	ug/l	99
29) Tetrahydrofuran	5.013	42	615	0.414	ug/l #	67
31) Cyclohexane	5.550	56	5654	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20285	4.852	ug/l #	51
37) Ethyl Acetate	4.550	43	185768	40.673	ug/l #	70
38) Carbon Tetrachloride	5.550	117	24933	5.995	ug/l #	16
40) Benzene	6.037	78	12201	0.998	ug/l	95
49) 1,4-Dioxane	7.659	88	449	5.744	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	85097	18.959	ug/l	98
52) Toluene	8.720	92	4176	0.552	ug/l	96
59) 2-Hexanone	9.439	43	5072	1.462	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	94436	25.547	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	94436	69.113	ug/l #	8
94) Hexachlorobutadiene	13.719	225	331	0.232	ug/l	75
95) Naphthalene	13.780	128	2807	0.237	ug/l #	95

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

Quant Time: Mar 22 02:03:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

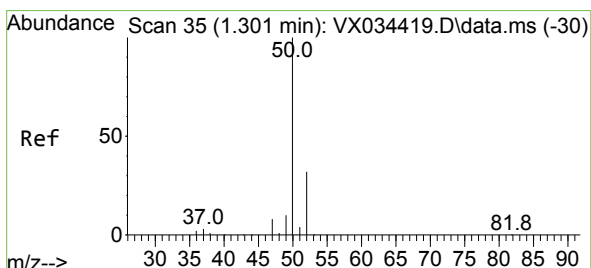
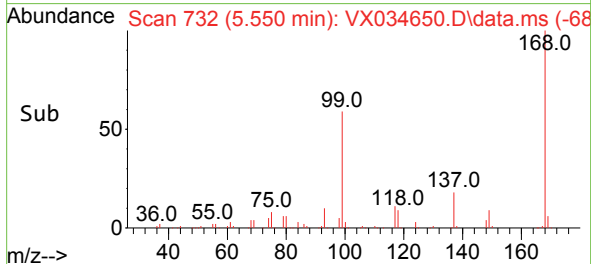
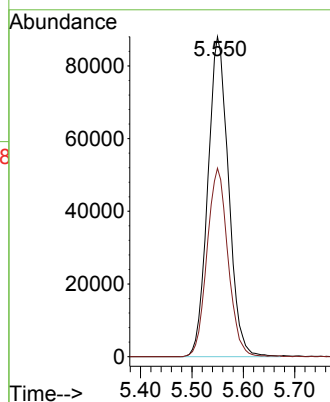
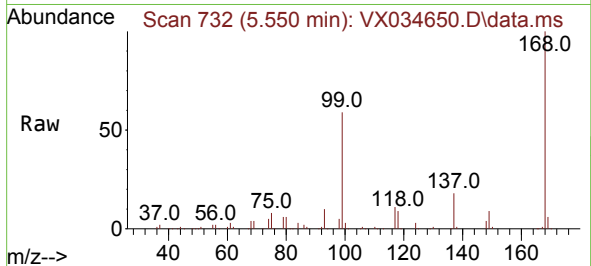




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

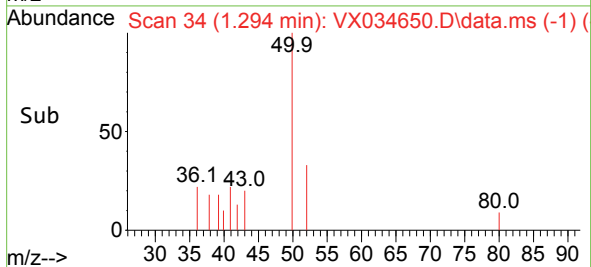
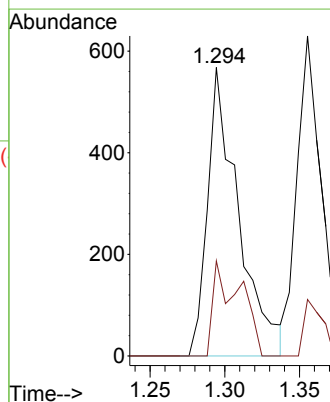
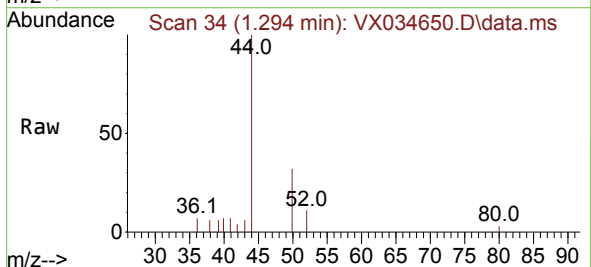
Instrument :
MSVOA_X
ClientSampleId :
600

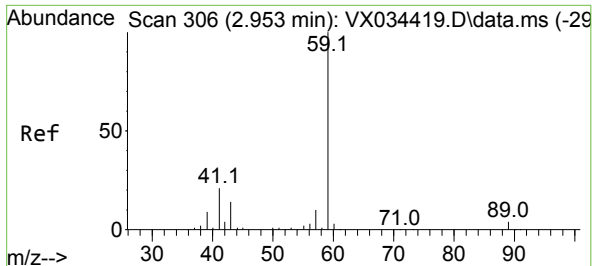
Tgt Ion:168 Resp: 245665
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 50 Resp: 815
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9





#11

Tert butyl alcohol

Concen: 18.377 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

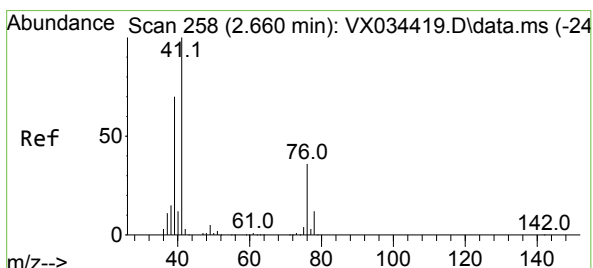
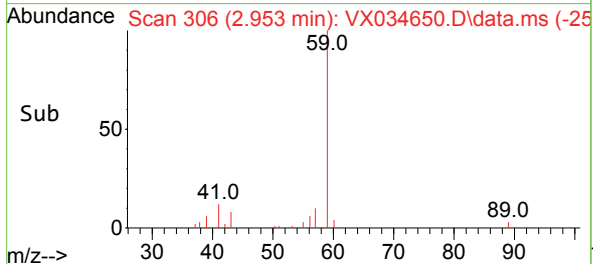
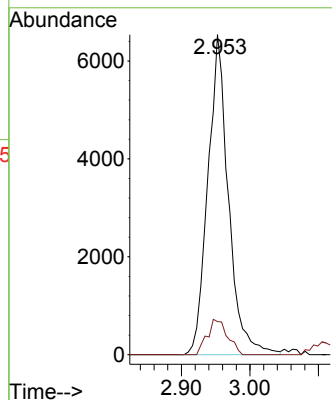
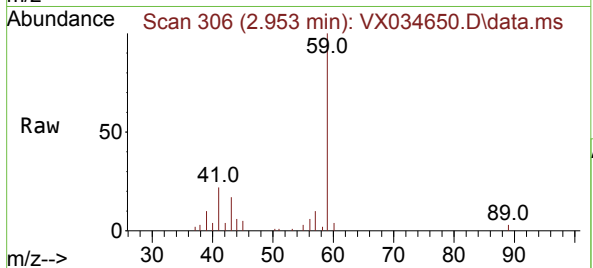
600

Tgt Ion: 59 Resp: 13677

Ion Ratio Lower Upper

59 100

57 10.8 8.1 12.1



#14

Allyl chloride

Concen: 0.478 ug/l

RT: 2.636 min Scan# 254

Delta R.T. -0.024 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

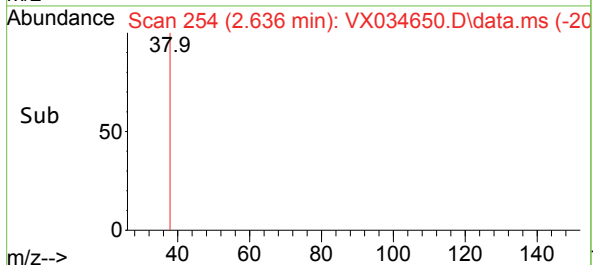
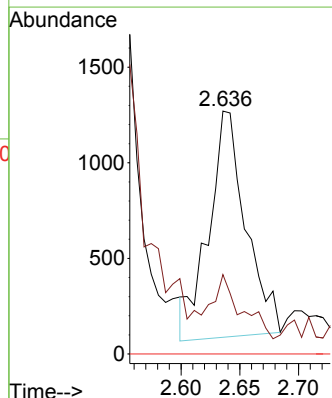
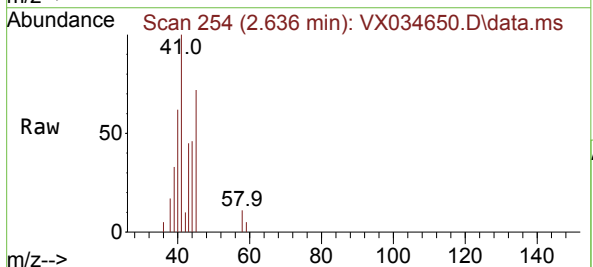
Tgt Ion: 41 Resp: 2607

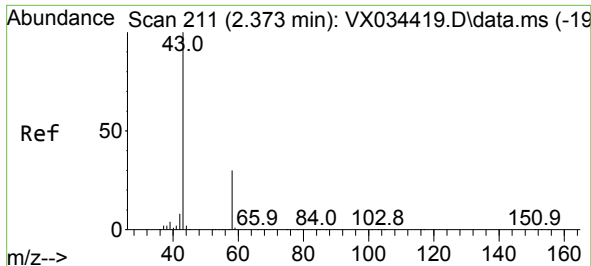
Ion Ratio Lower Upper

41 100

39 0.0 52.4 78.6#

76 0.0 26.0 39.0#

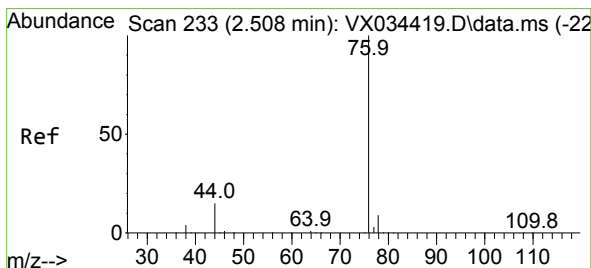
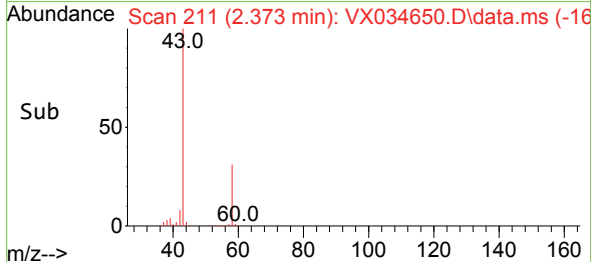
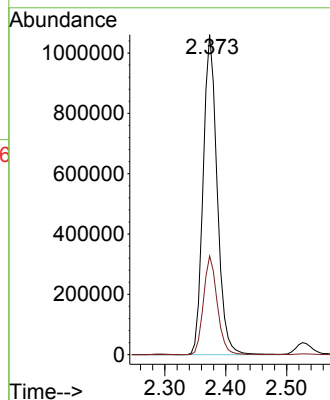
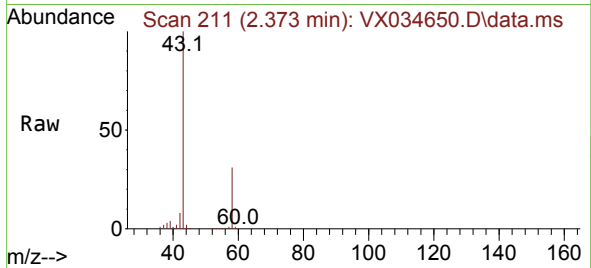




#16
Acetone
Concen: 1007.110 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

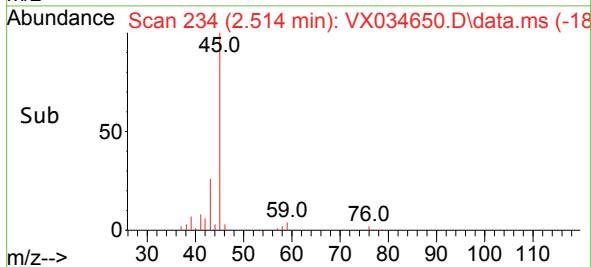
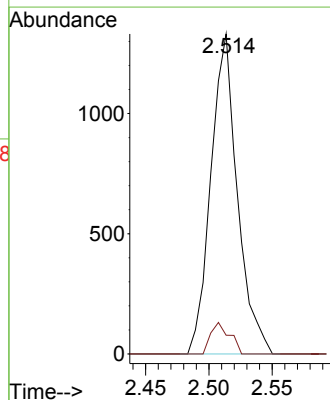
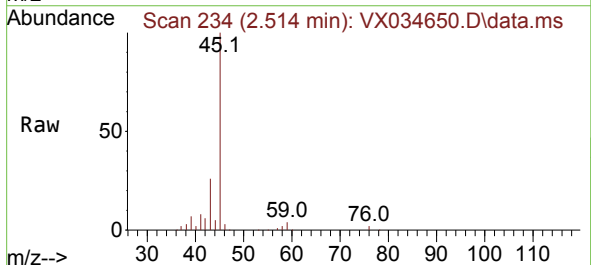
Instrument :
MSVOA_X
ClientSampleId :
600

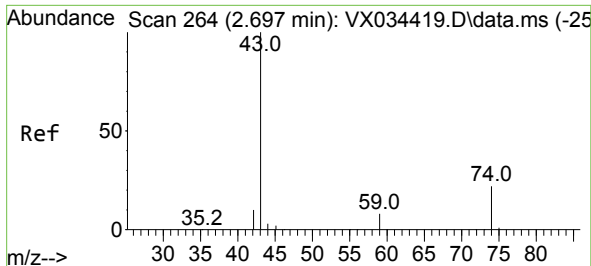
Tgt Ion: 43 Resp: 1695469
Ion Ratio Lower Upper
43 100
58 30.8 24.7 37.1



#17
Carbon Disulfide
Concen: 0.257 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 76 Resp: 1943
Ion Ratio Lower Upper
76 100
78 5.9 7.2 10.8#

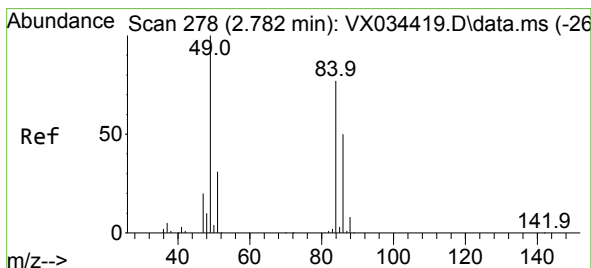
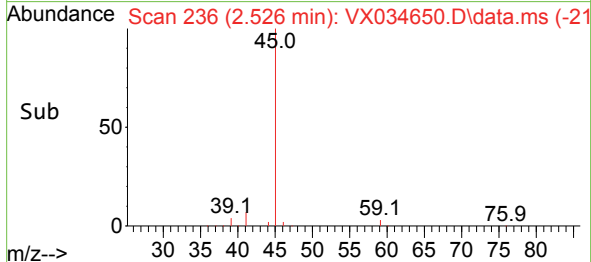
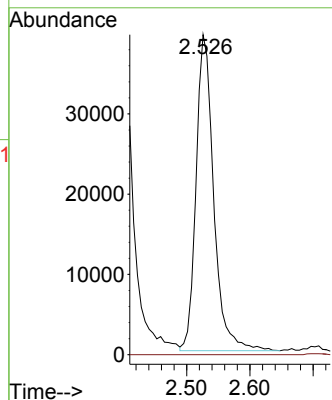
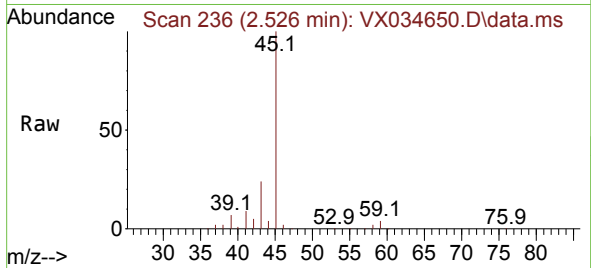




#18
Methyl Acetate
Concen: 13.884 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.171 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

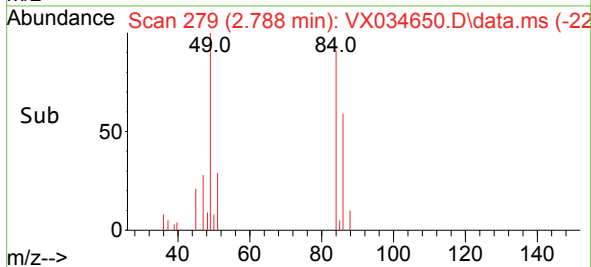
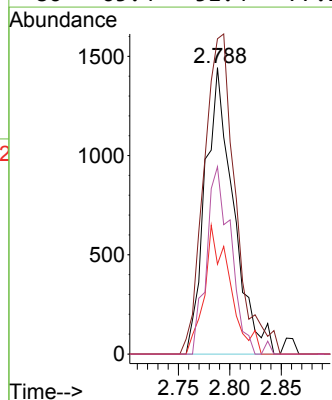
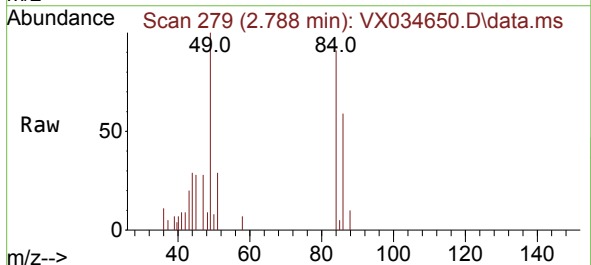
Instrument :
MSVOA_X
ClientSampleId :
600

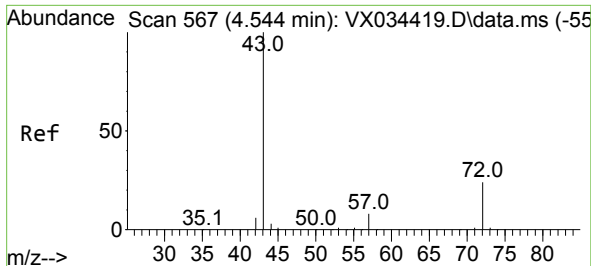
Tgt Ion: 43 Resp: 76376
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.847 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 84 Resp: 2769
Ion Ratio Lower Upper
84 100
49 110.1 103.8 155.8
51 31.4 31.8 47.8#
86 65.4 51.4 77.2

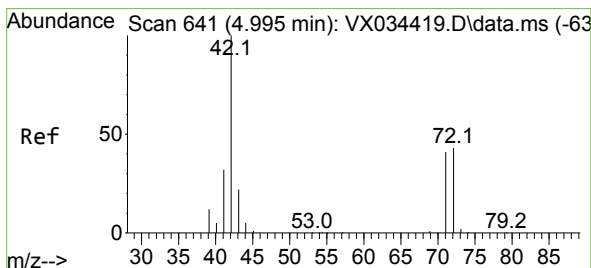
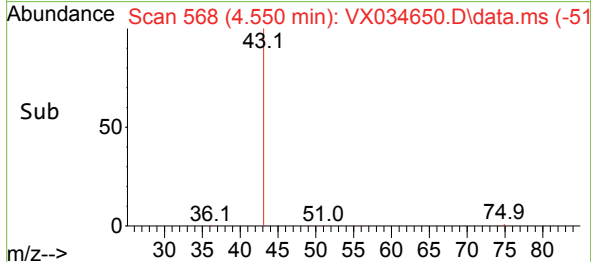
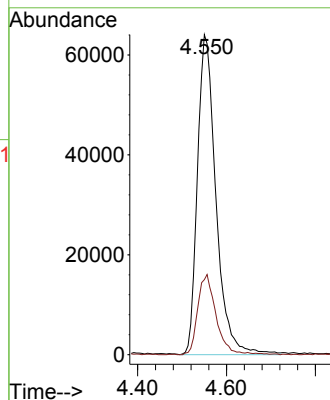
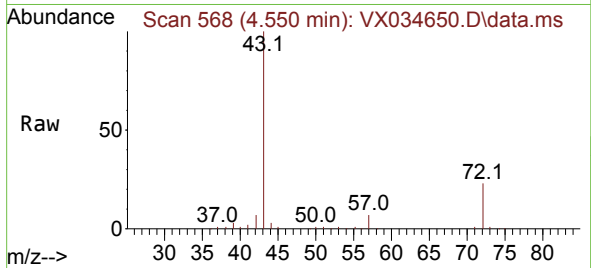




#25
2-Butanone
Concen: 77.119 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

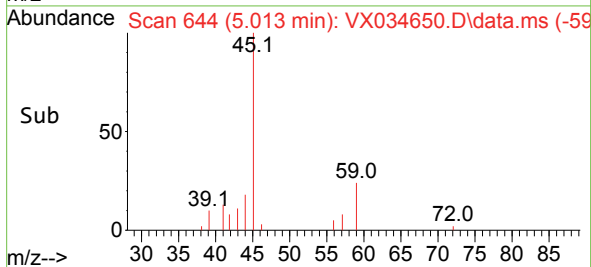
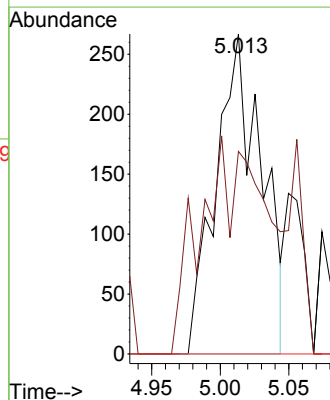
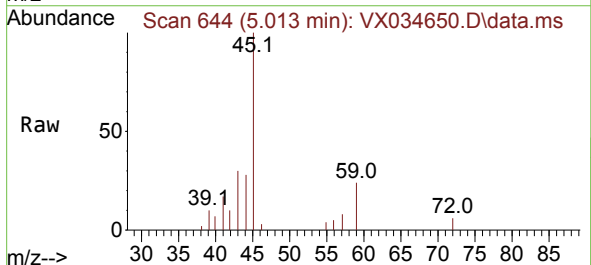
Instrument :
MSVOA_X
ClientSampleId :
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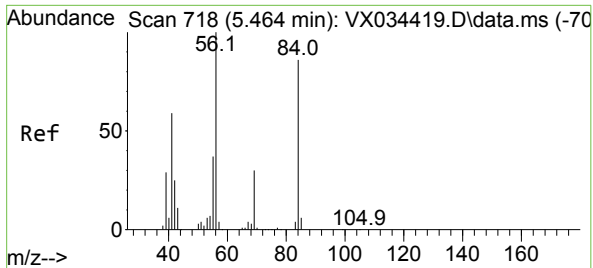
Tgt Ion: 43 Resp: 185768
Ion Ratio Lower Upper
43 100
72 23.5 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.414 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 42 Resp: 615
Ion Ratio Lower Upper
42 100
72 45.9 34.5 51.7
71 0.0 32.1 48.1#

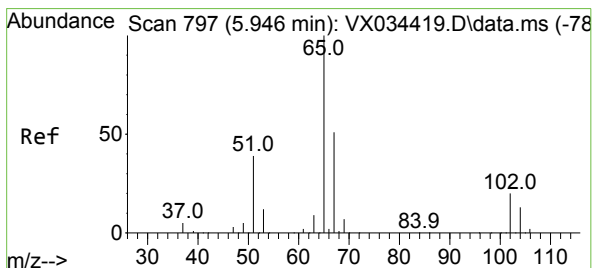
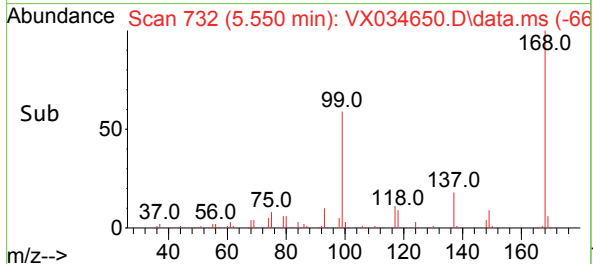
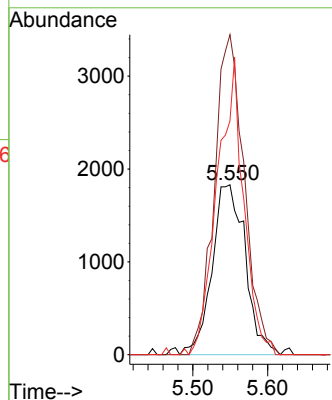
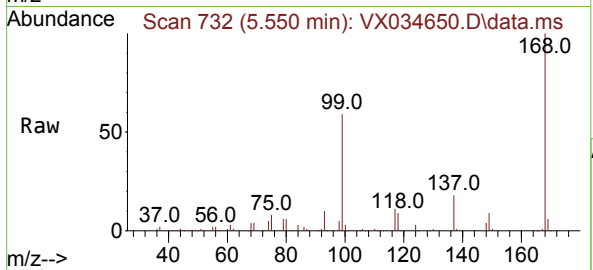




#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

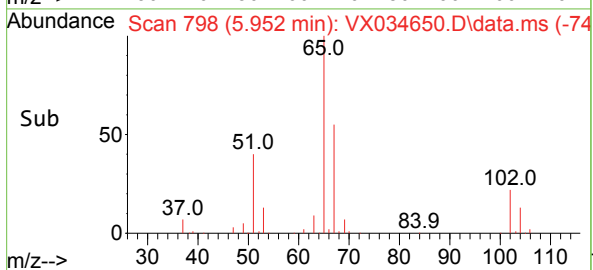
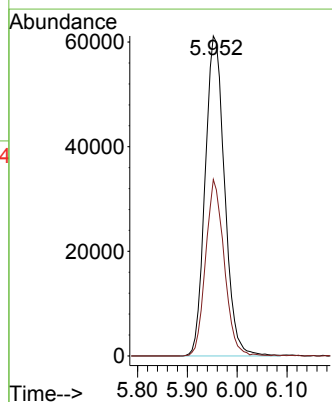
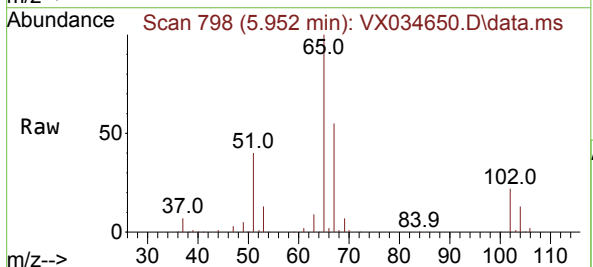
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MSVOA_X
ClientSampleId :
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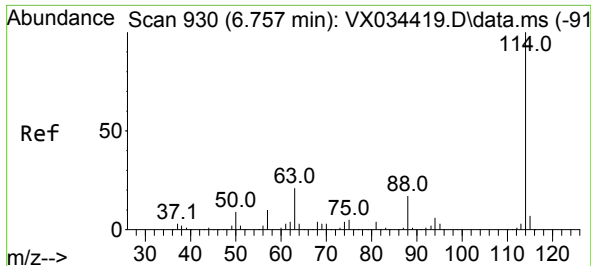
Tgt Ion: 56 Resp: 5654
Ion Ratio Lower Upper
56 100
69 188.4 23.7 35.5#
84 137.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.418 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 65 Resp: 165893
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0

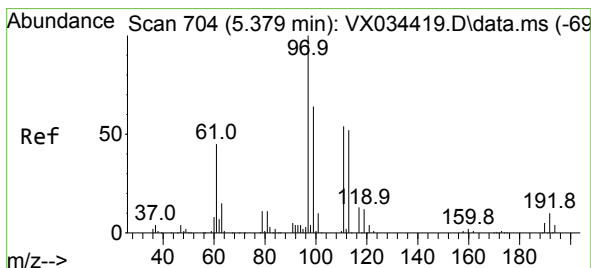
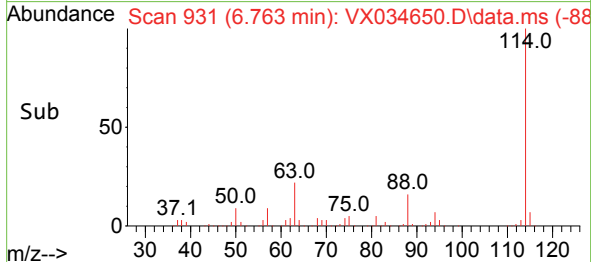
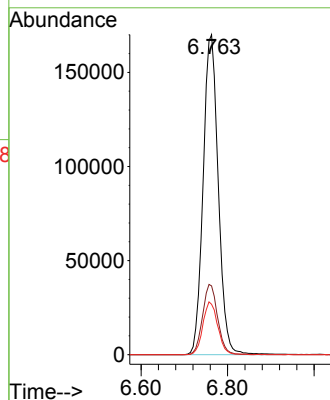
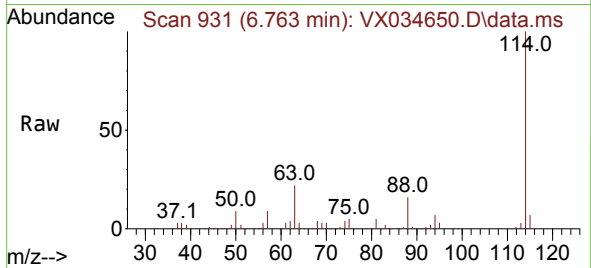




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

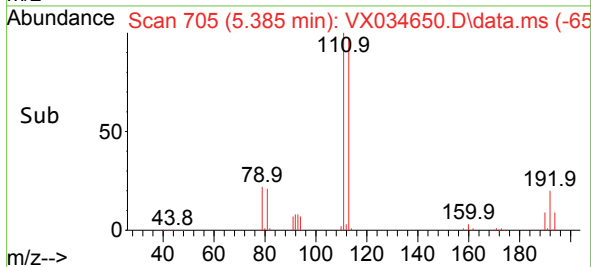
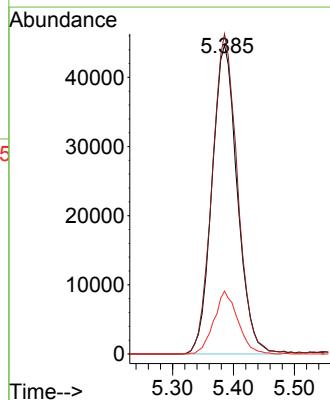
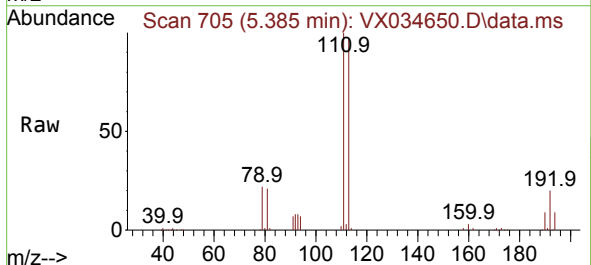
Instrument :
MSVOA_X
ClientSampleId :
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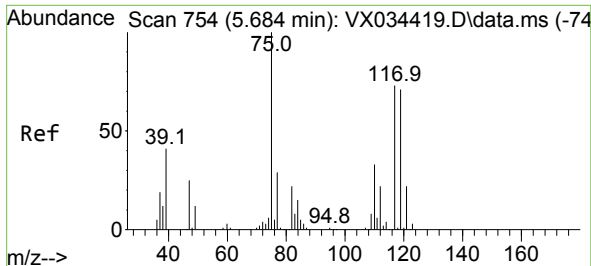
Tgt Ion:114 Resp: 412267
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.282 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

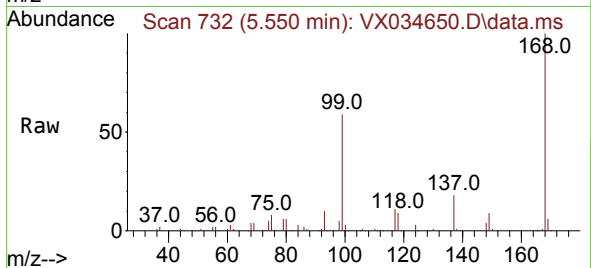
Tgt Ion:113 Resp: 128700
Ion Ratio Lower Upper
113 100
111 103.9 83.7 125.5
192 19.2 15.4 23.2



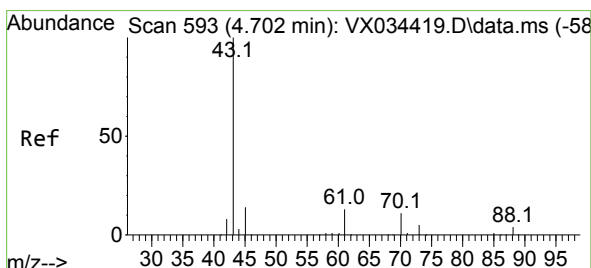
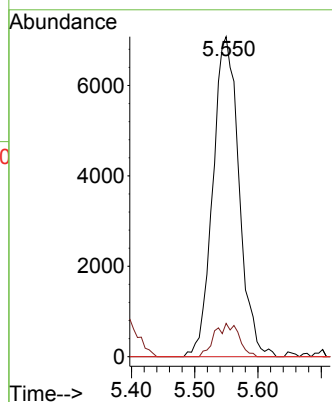
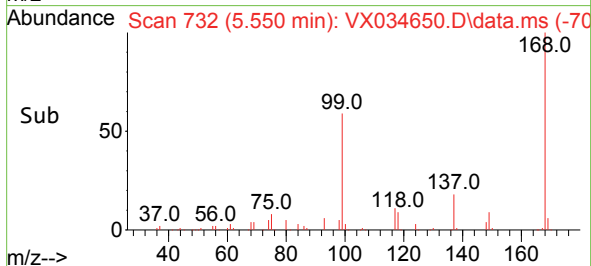


#36
1,1-Dichloropropene
Concen: 4.852 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
600

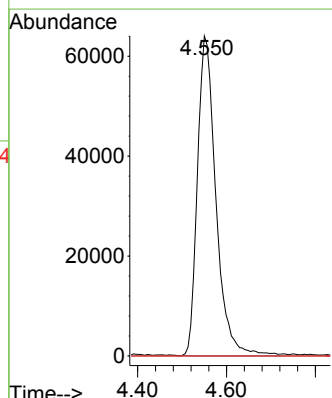
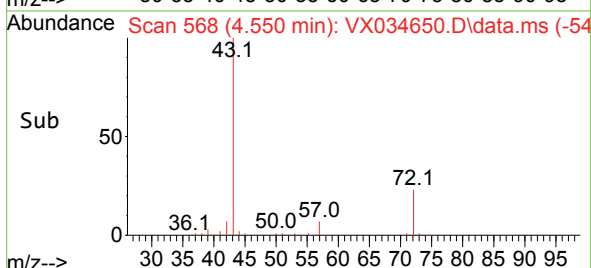
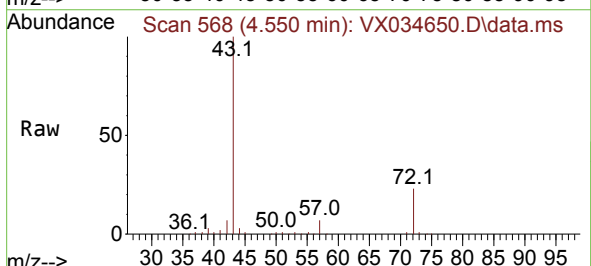


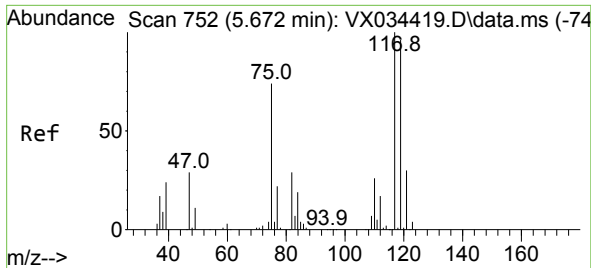
Tgt Ion: 75 Resp: 20285
Ion Ratio Lower Upper
75 100
110 9.7 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 40.673 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.152 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

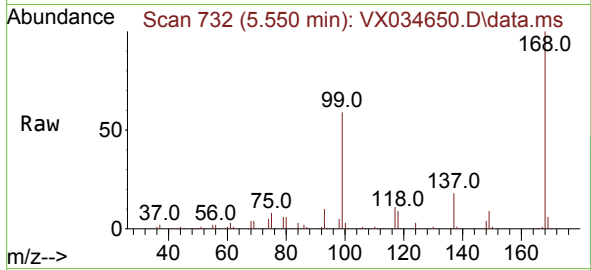
Tgt Ion: 43 Resp: 185768
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



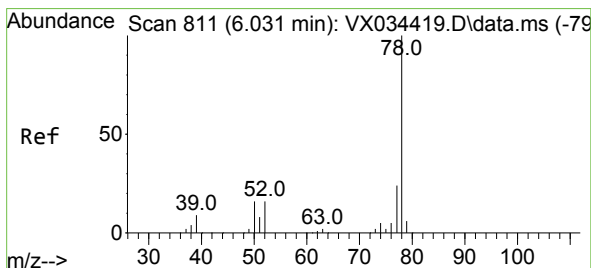
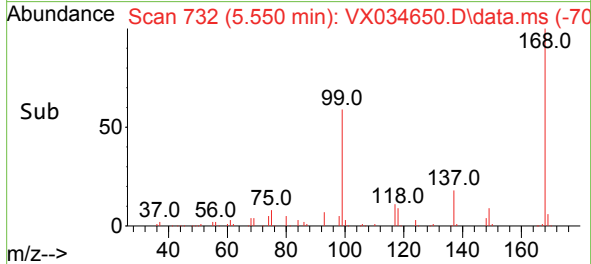
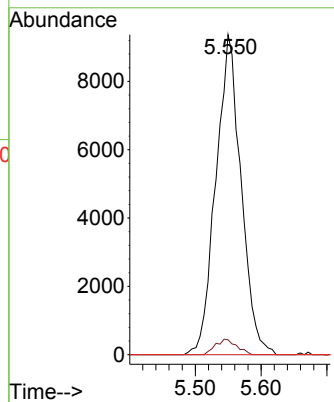


#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :
600

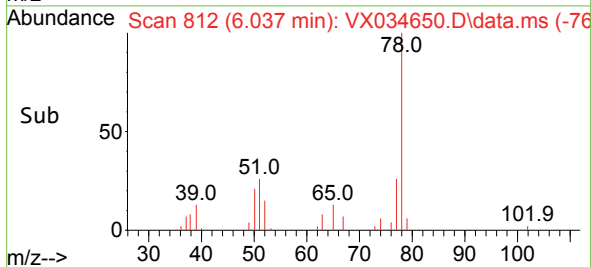
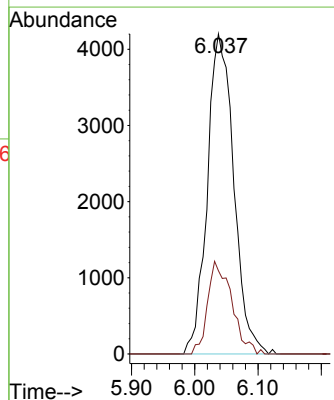
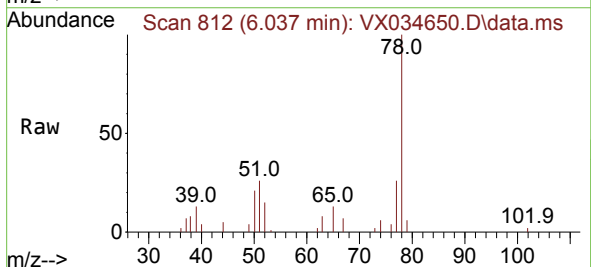


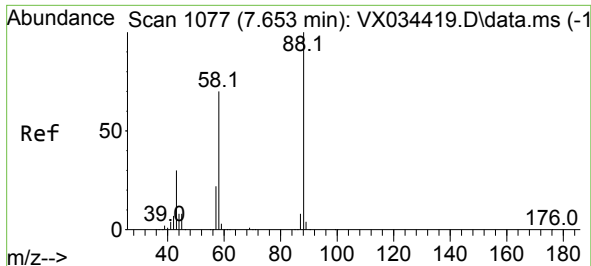
Tgt Ion:117 Resp: 24933
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.998 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 78 Resp: 12201
Ion Ratio Lower Upper
78 100
77 26.0 19.0 28.4





#49

1,4-Dioxane

Concen: 5.744 ug/l

RT: 7.659 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

600

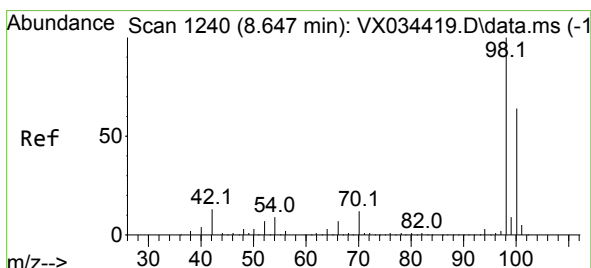
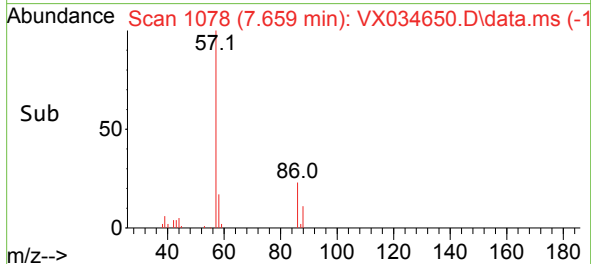
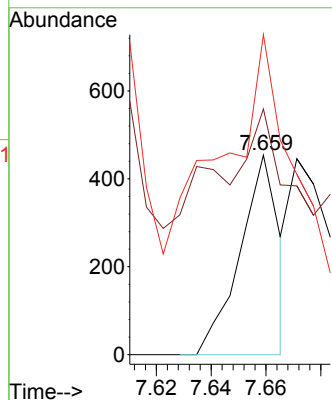
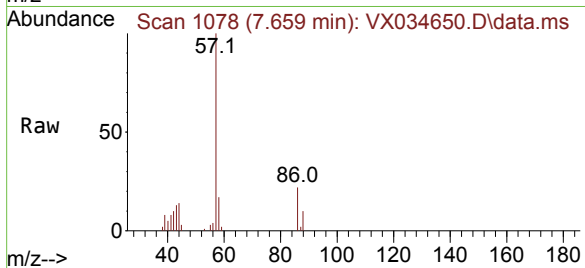
Tgt Ion: 88 Resp: 449

Ion Ratio Lower Upper

88 100

43 228.5 27.7 41.5#

58 319.4 56.8 85.2#



#50

Toluene-d8

Concen: 48.508 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034650.D

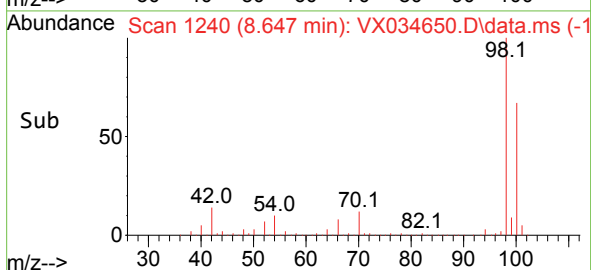
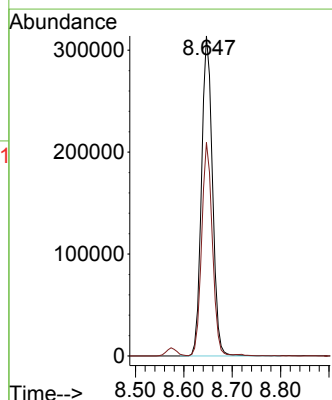
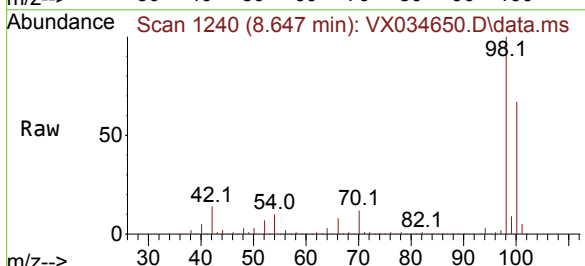
Acq: 21 Mar 2023 13:29

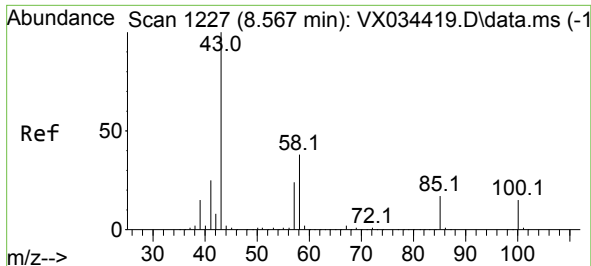
Tgt Ion: 98 Resp: 492910

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

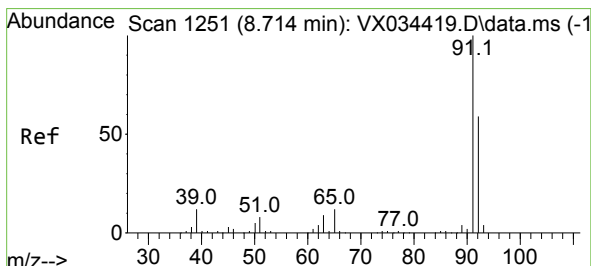
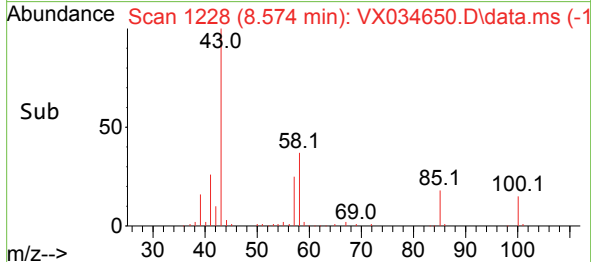
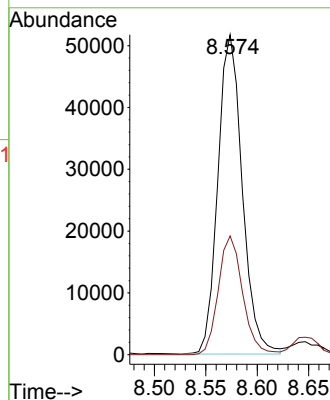
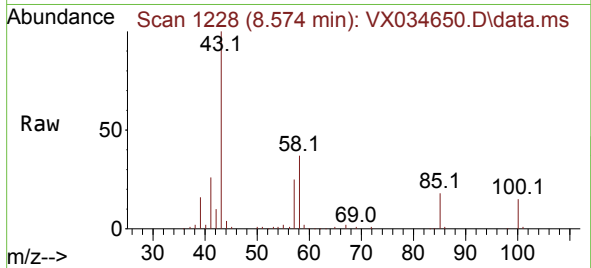




#51
4-Methyl-2-Pentanone
Concen: 18.959 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

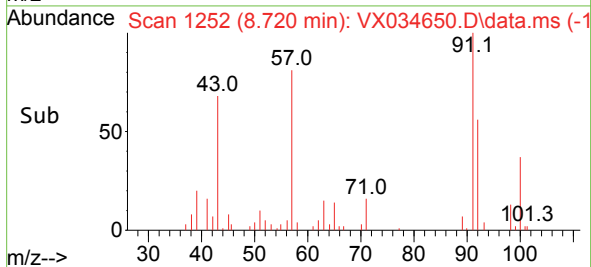
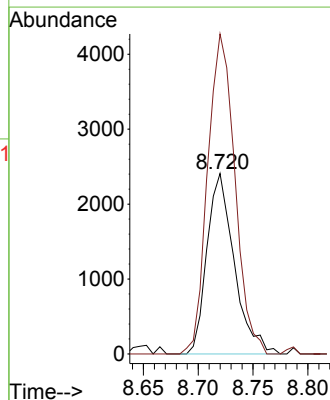
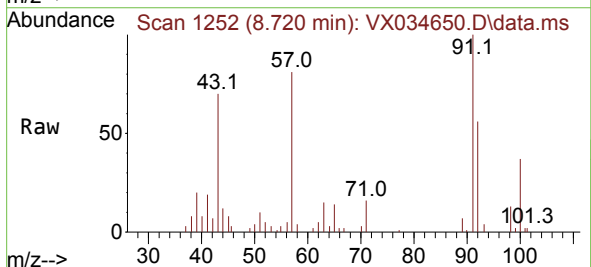
Instrument :
MSVOA_X
ClientSampleId :
600

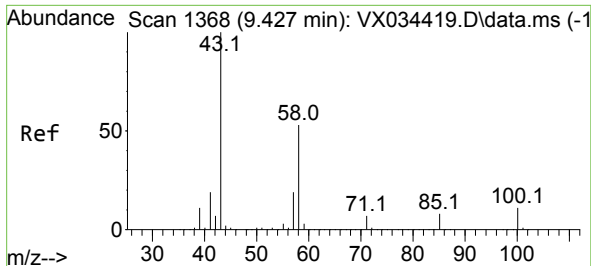
Tgt Ion: 43 Resp: 85097
Ion Ratio Lower Upper
43 100
58 37.2 30.6 46.0



#52
Toluene
Concen: 0.552 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion: 92 Resp: 4176
Ion Ratio Lower Upper
92 100
91 176.8 136.8 205.2





#59

2-Hexanone

Concen: 1.462 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

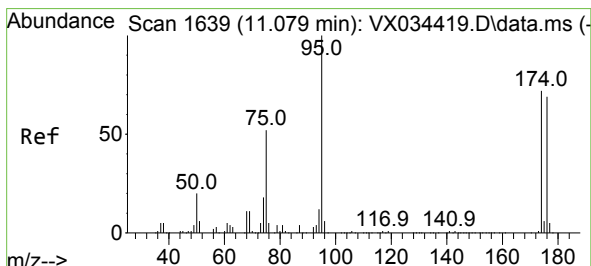
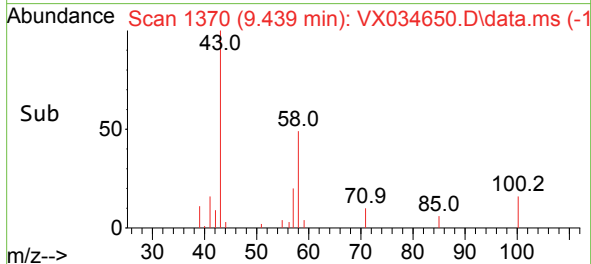
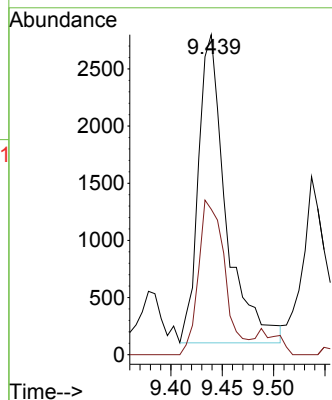
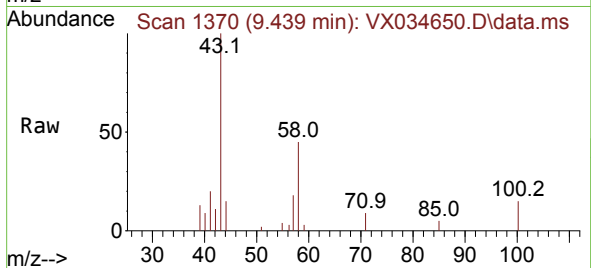
600

Tgt Ion: 43 Resp: 5072

Ion Ratio Lower Upper

43 100

58 47.6 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 42.500 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

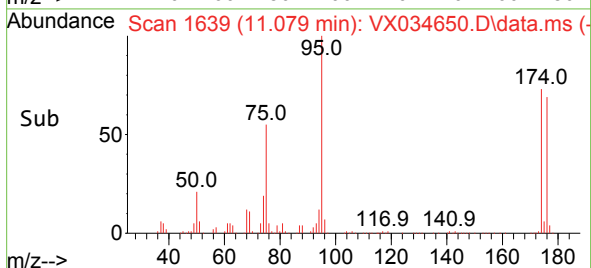
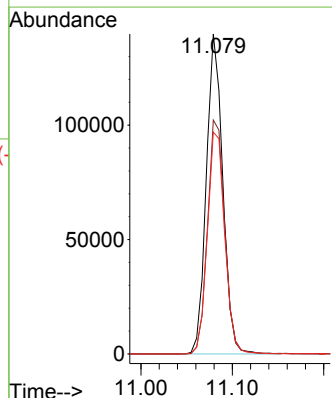
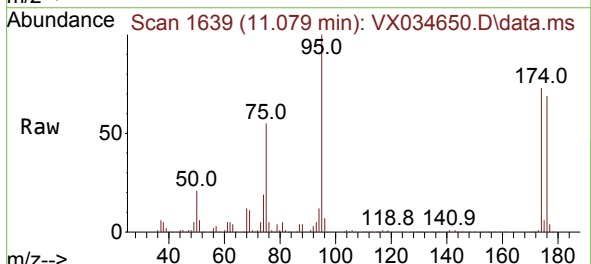
Tgt Ion: 95 Resp: 174436

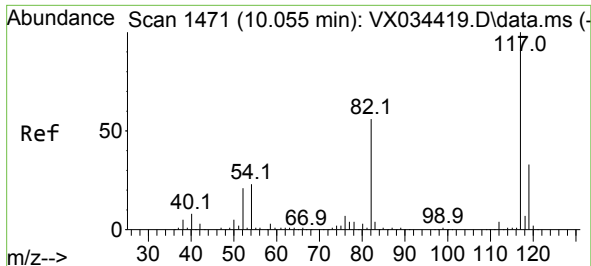
Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.4

176 73.2 0.0 140.6

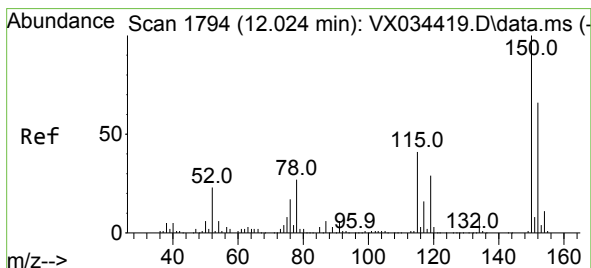
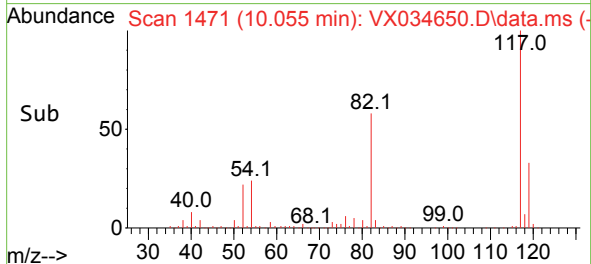
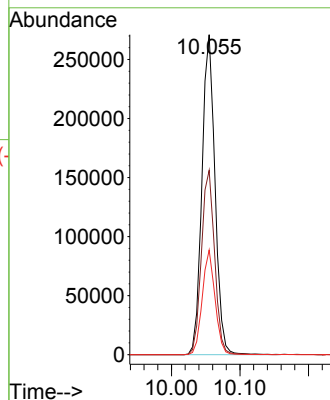
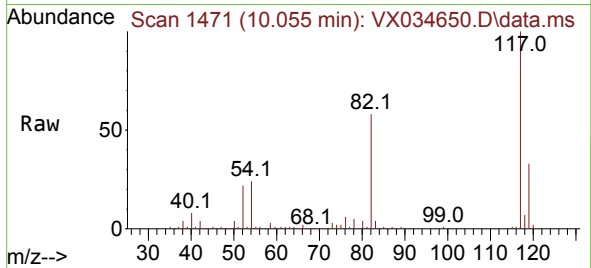




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

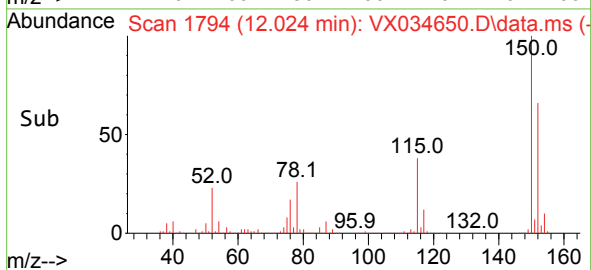
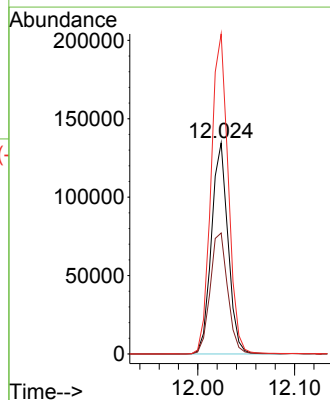
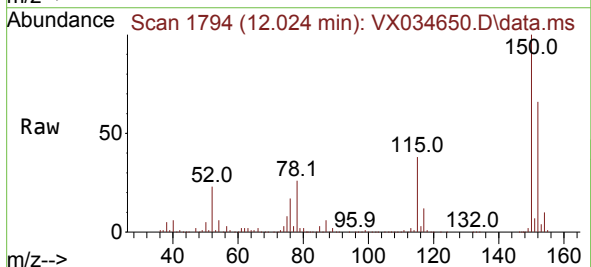
Instrument :
MSVOA_X
ClientSampleId :
600

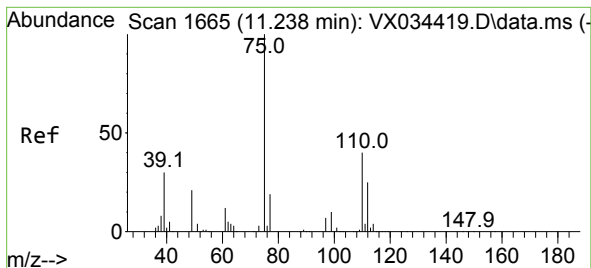
Tgt Ion:117 Resp: 360109
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034650.D
Acq: 21 Mar 2023 13:29

Tgt Ion:152 Resp: 160991
Ion Ratio Lower Upper
152 100
115 60.6 45.0 135.0
150 156.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.547 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

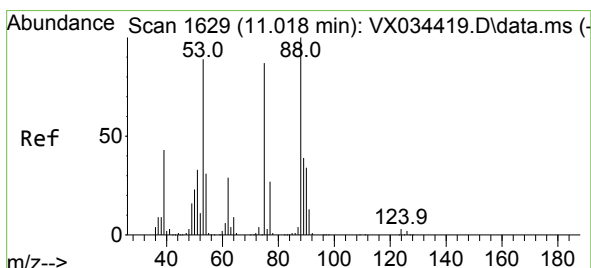
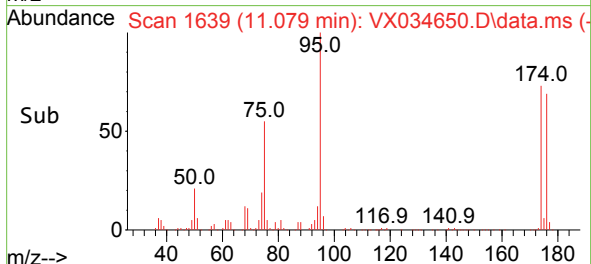
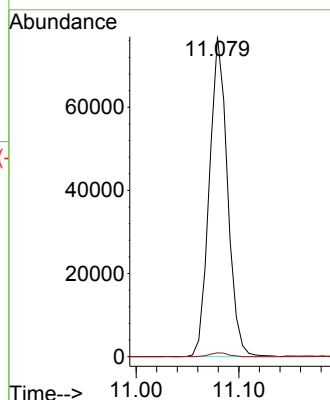
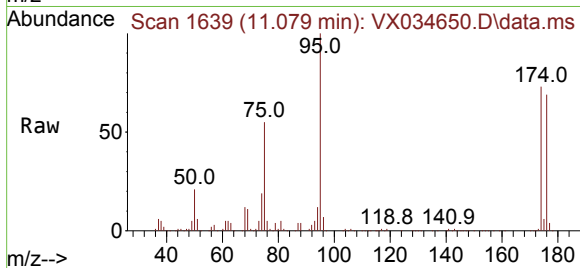
600

Tgt Ion: 75 Resp: 94436

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.113 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

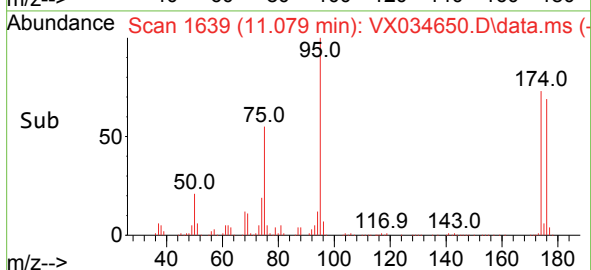
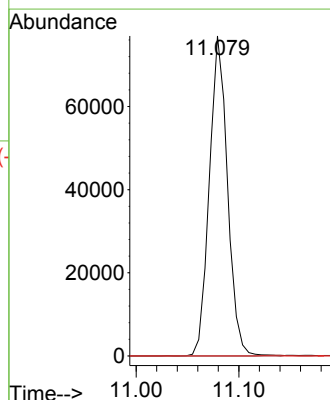
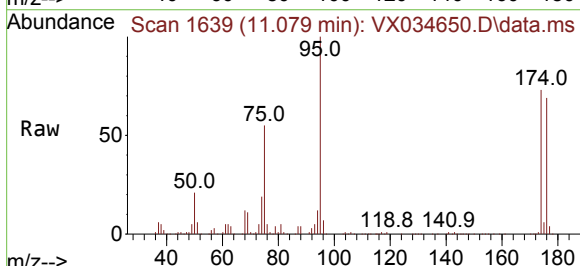
Tgt Ion: 75 Resp: 94436

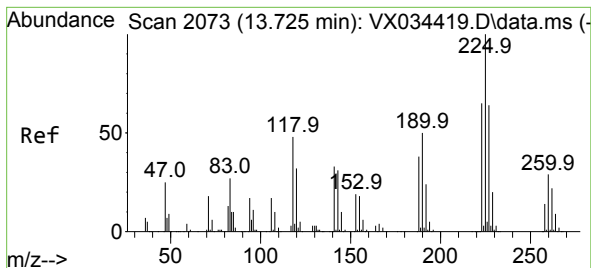
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#94

Hexachlorobutadiene

Concen: 0.232 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

600

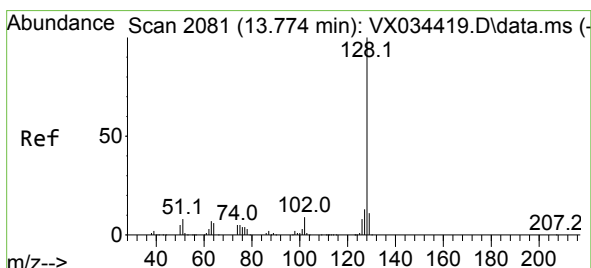
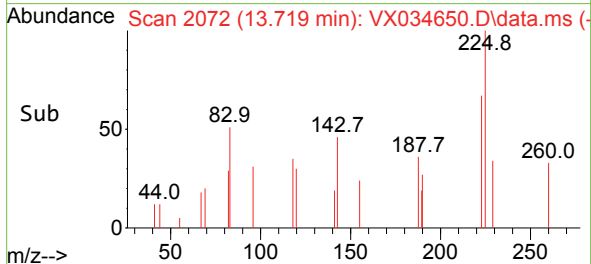
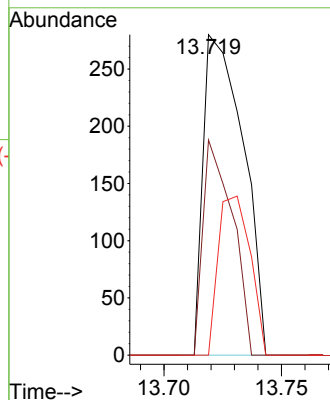
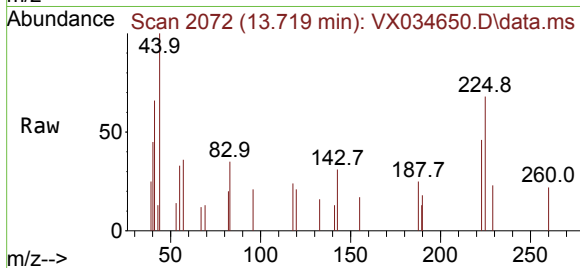
Tgt Ion:225 Resp: 331

Ion Ratio Lower Upper

225 100

223 49.5 32.1 96.5

227 39.6 31.8 95.4



#95

Naphthalene

Concen: 0.237 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034650.D

Acq: 21 Mar 2023 13:29

Tgt Ion:128 Resp: 2807

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 13.0 8.6 13.0#

