

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040232.D
 Acq On : 14 Feb 2024 19:45
 Operator : JC/MD
 Sample : P1446-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 00:07:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

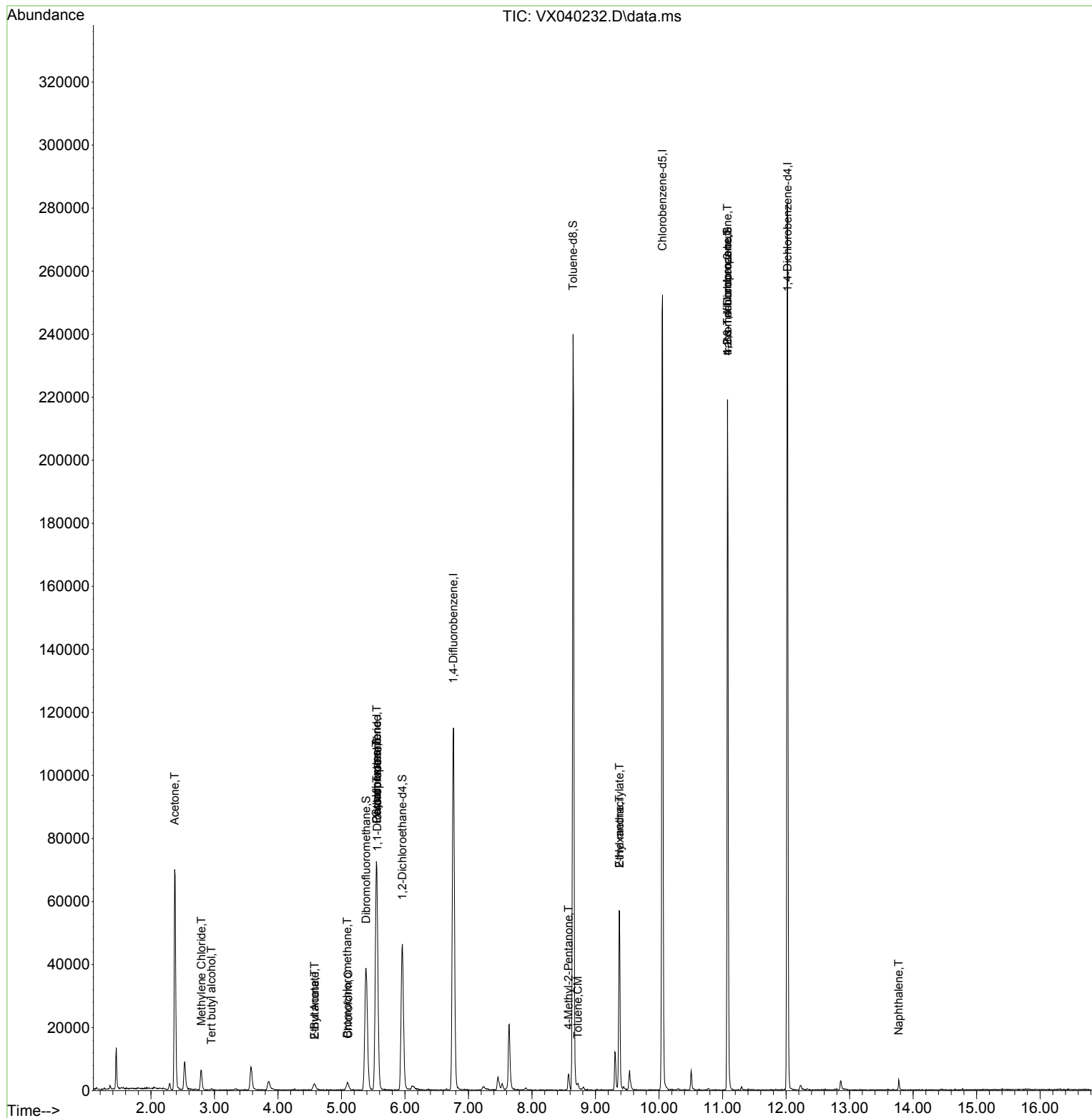
Internal Standards						
1) Pentafluorobenzene	5.556	168	69963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116852	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44978	43.213	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.420%
35) Dibromofluoromethane	5.385	113	34678	42.496	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.000%
50) Toluene-d8	8.647	98	142639	46.728	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.460%
62) 4-Bromofluorobenzene	11.079	95	56383	45.290	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	559	2.757	ug/l #	78
16) Acetone	2.374	43	73743	172.505	ug/l	92
20) Methylene Chloride	2.794	84	2979	2.193	ug/l	93
25) 2-Butanone	4.574	43	3137	4.695	ug/l	99
28) Bromochloromethane	5.093	49	148	0.238	ug/l #	16
30) Chloroform	5.105	83	2756	1.741	ug/l	100
31) Cyclohexane	5.550	56	1563	1.259	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	5588	4.888	ug/l #	50
37) Ethyl Acetate	4.574	43	3137	2.466	ug/l #	69
38) Carbon Tetrachloride	5.556	117	7171	6.598	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	3411	2.516	ug/l	99
52) Toluene	8.720	92	542	0.259	ug/l	87
56) Ethyl methacrylate	9.378	69	503	0.376	ug/l #	1
59) 2-Hexanone	9.378	43	39266	36.533	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	29469	24.634	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	29469	67.815	ug/l #	5
95) Naphthalene	13.774	128	2284	0.560	ug/l	96

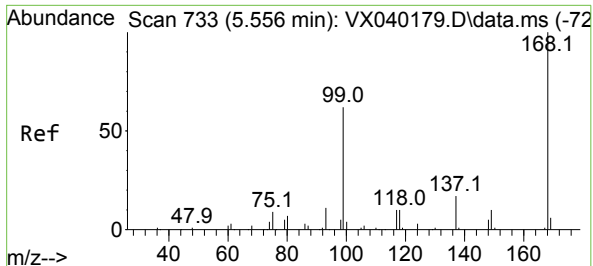
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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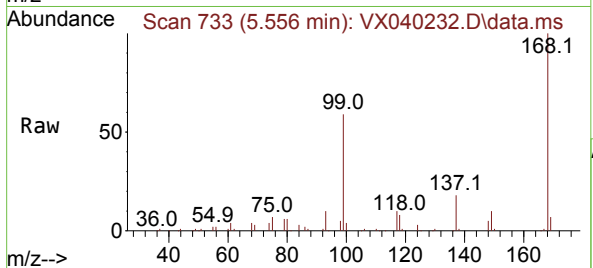
Quant Time: Feb 15 00:07:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
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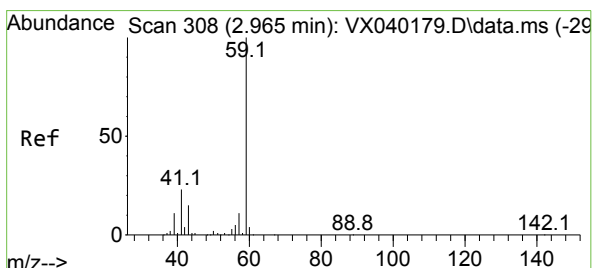
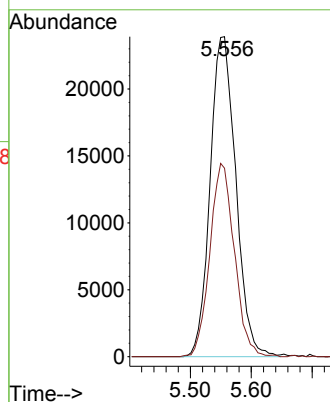
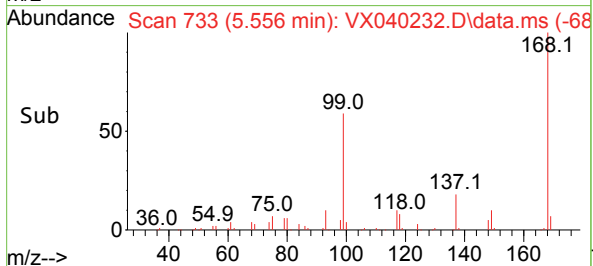


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Instrument :
MSVOA_X
ClientSampleId :

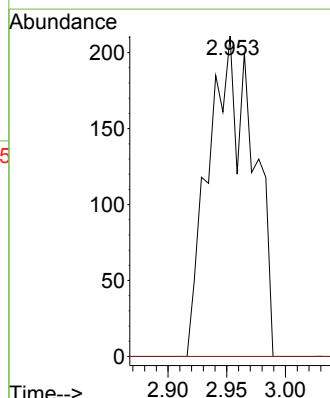
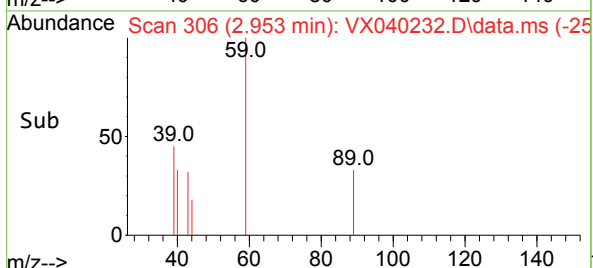
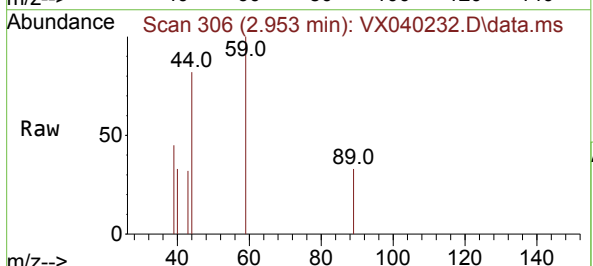


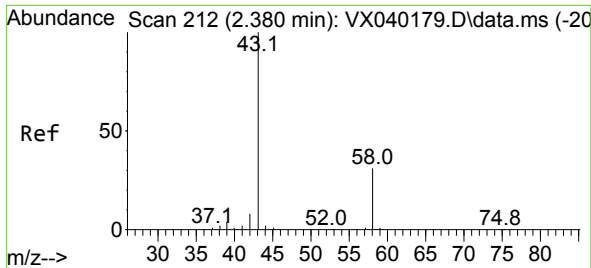
Tgt Ion:168 Resp: 69963
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.757 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 172.505 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

Instrument :

MSVOA_X

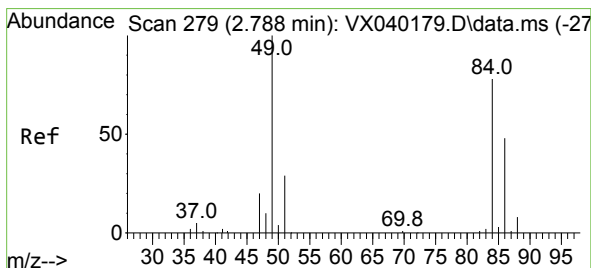
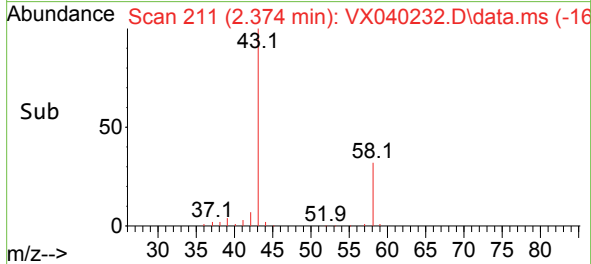
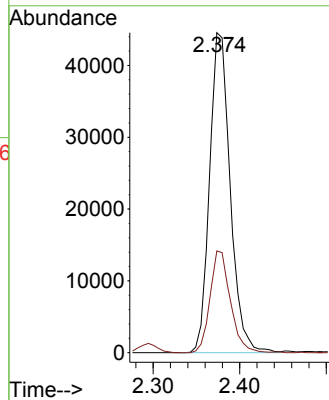
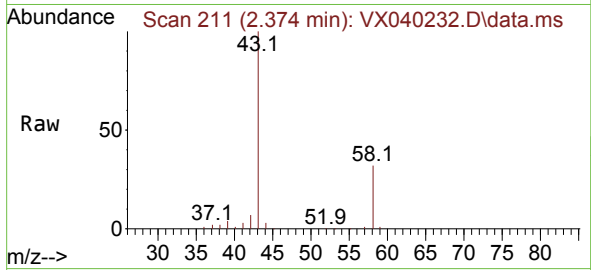
ClientSampleId :

Tgt Ion: 43 Resp: 73743

Ion Ratio Lower Upper

43 100

58 31.8 21.9 32.9



#20

Methylene Chloride

Concen: 2.193 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

Tgt Ion: 84 Resp: 2979

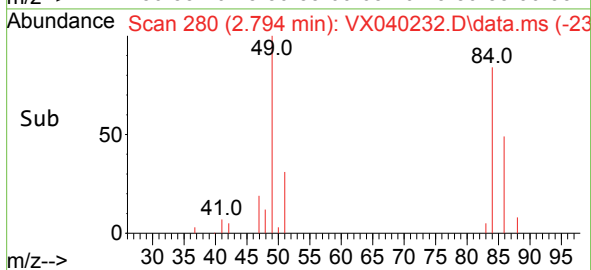
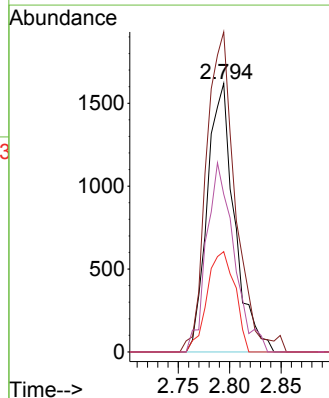
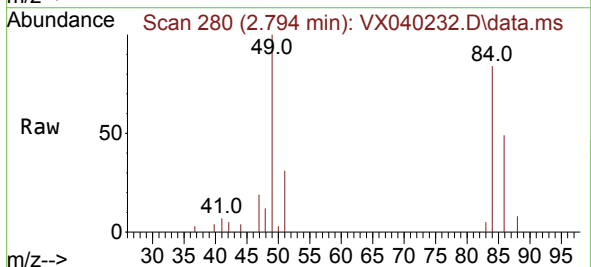
Ion Ratio Lower Upper

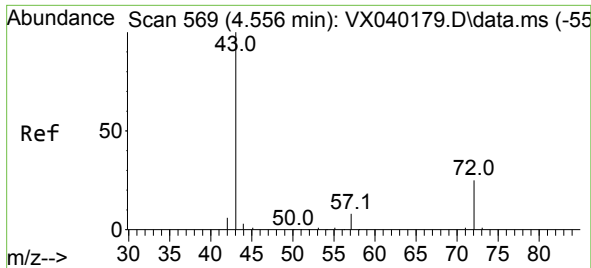
84 100

49 119.2 103.6 155.4

51 37.4 33.8 50.6

86 58.7 49.4 74.0

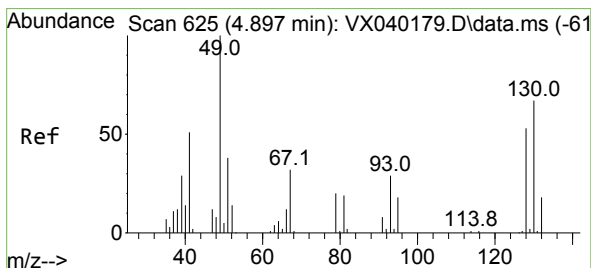
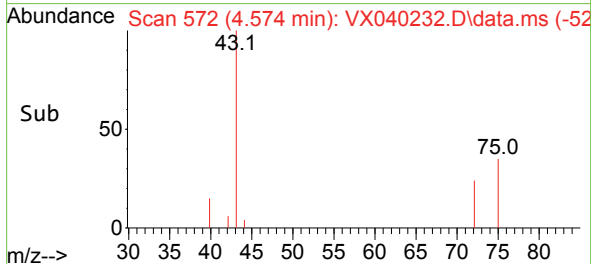
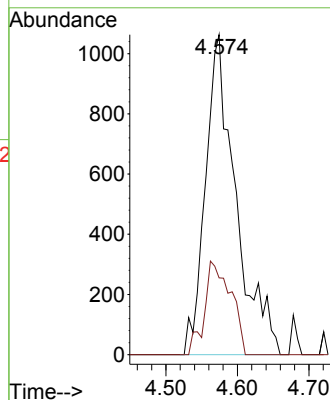
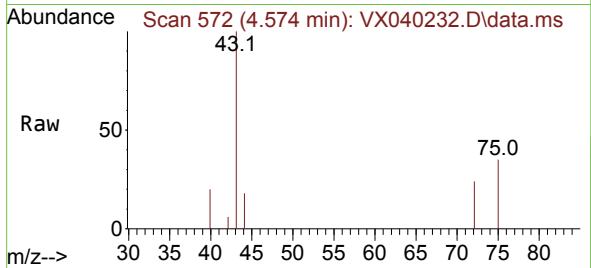




#25
2-Butanone
Concen: 4.695 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

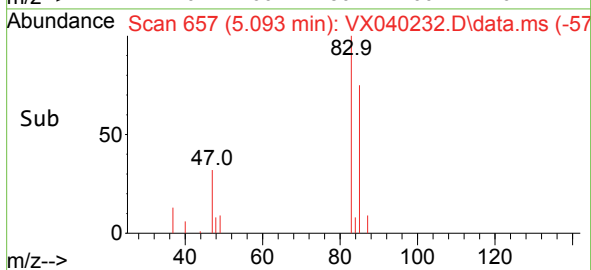
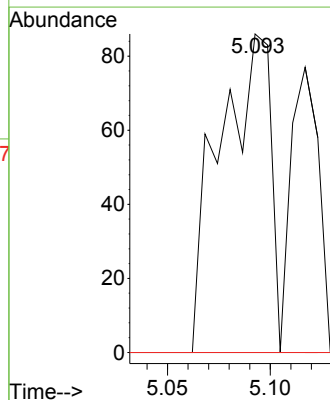
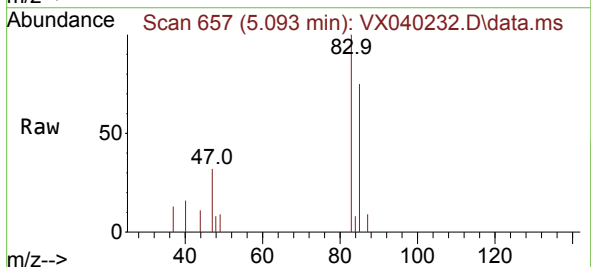
Instrument :
MSVOA_X
ClientSampleId :

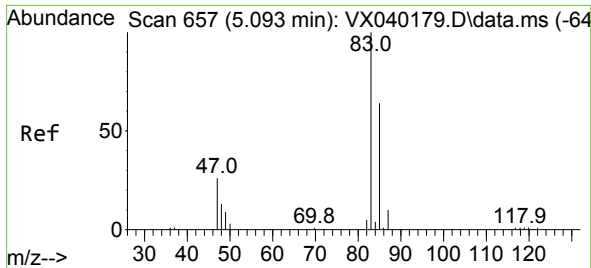
Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
72 24.0 19.4 29.2



#28
Bromochloromethane
Concen: 0.238 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion: 49 Resp: 148
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

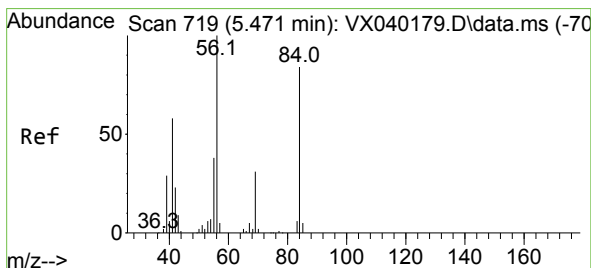
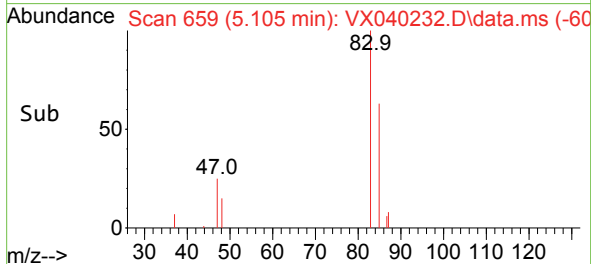
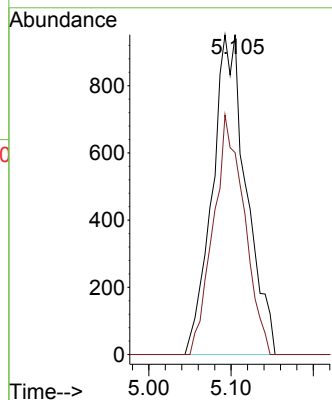
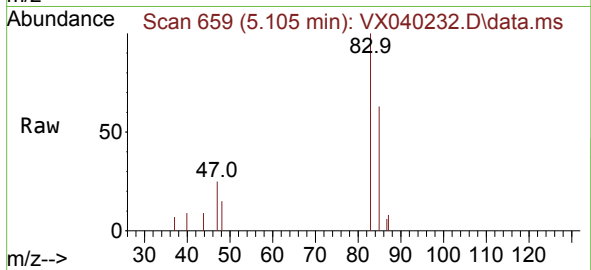




#30
Chloroform
Concen: 1.741 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

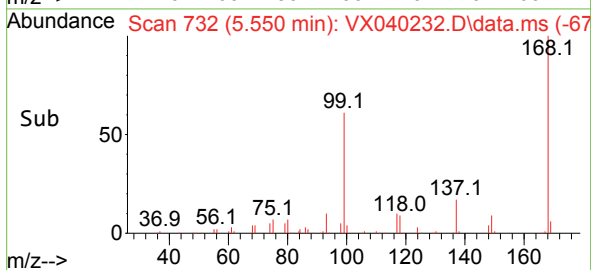
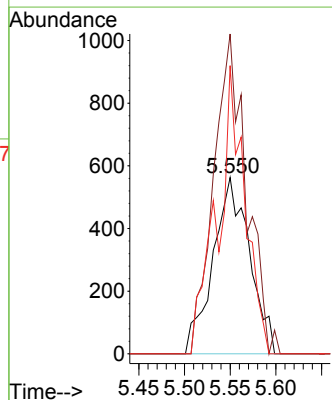
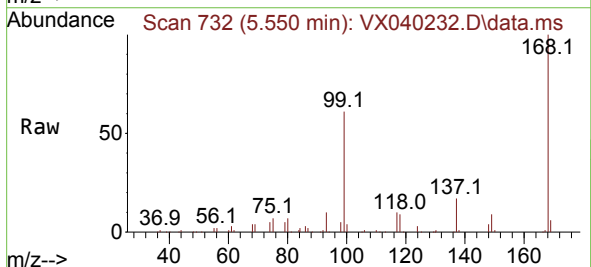
Instrument :
MSVOA_X
ClientSampleId :

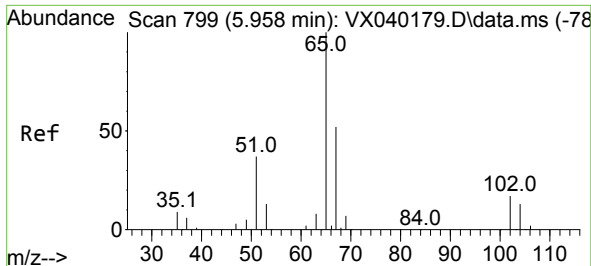
Tgt Ion: 83 Resp: 2756
Ion Ratio Lower Upper
83 100
85 63.1 50.3 75.5



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion: 56 Resp: 1563
Ion Ratio Lower Upper
56 100
69 181.3 23.4 35.2#
84 163.4 65.9 98.9#

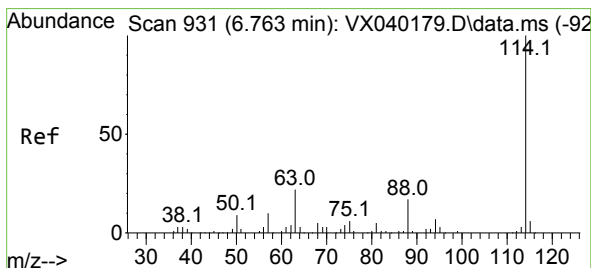
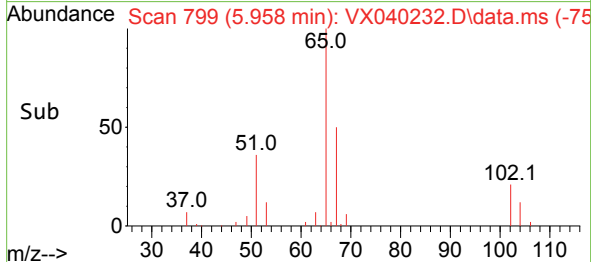
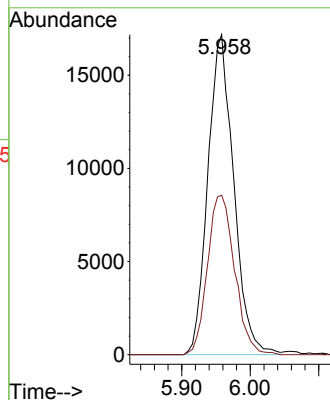
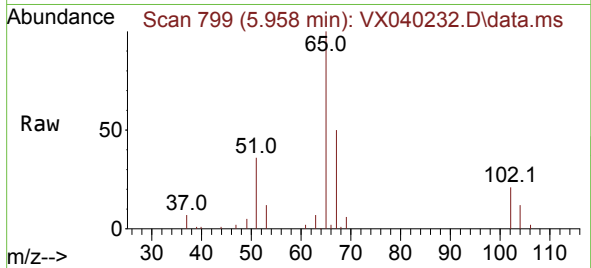




#33
 1,2-Dichloroethane-d4
 Concen: 43.213 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX040232.D
 Acq: 14 Feb 2024 19:45

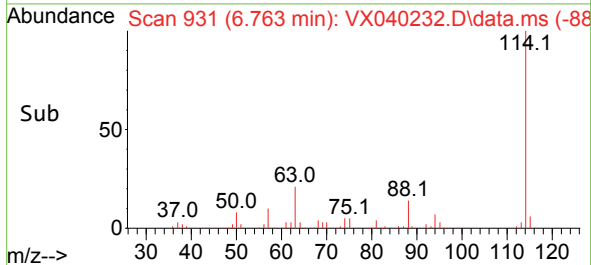
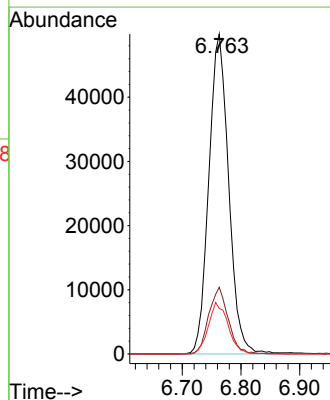
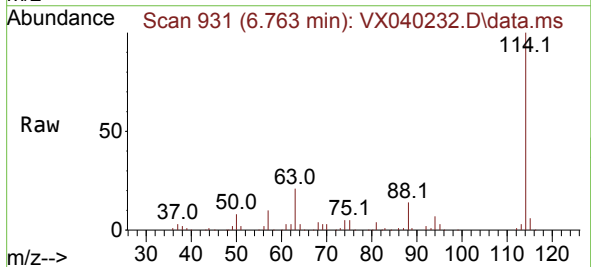
Instrument :
 MSVOA_X
 ClientSampleId :

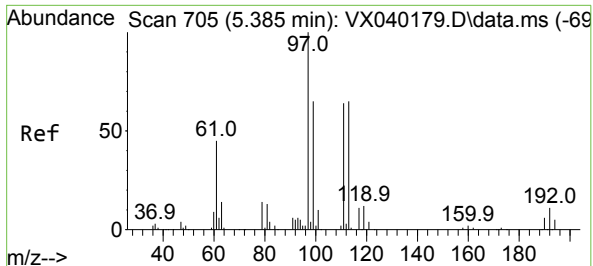
Tgt Ion: 65 Resp: 44978
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040232.D
 Acq: 14 Feb 2024 19:45

Tgt Ion: 114 Resp: 116852
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.0
 88 14.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 42.496 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

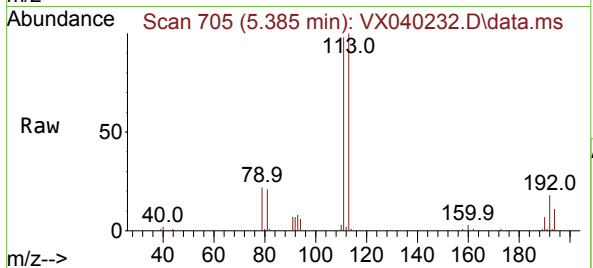
Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

Instrument :

MSVOA_X

ClientSampleId :



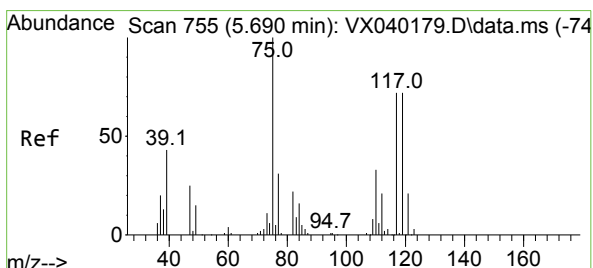
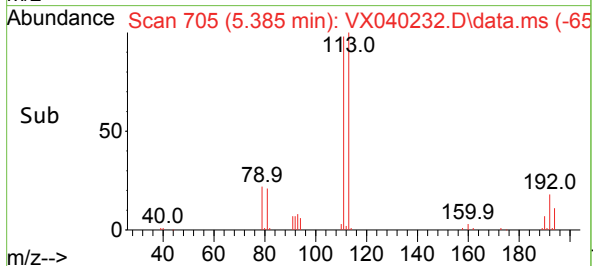
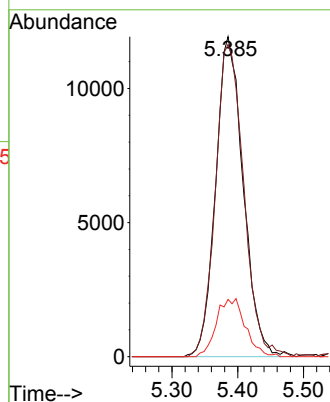
Tgt Ion:113 Resp: 34678

Ion Ratio Lower Upper

113 100

111 100.4 82.9 124.3

192 19.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

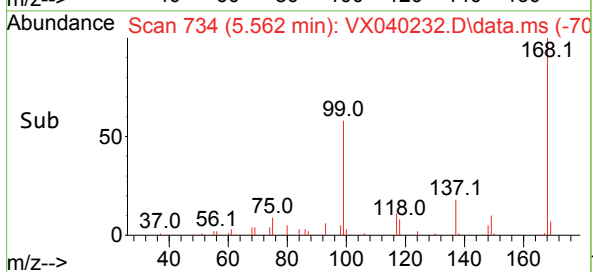
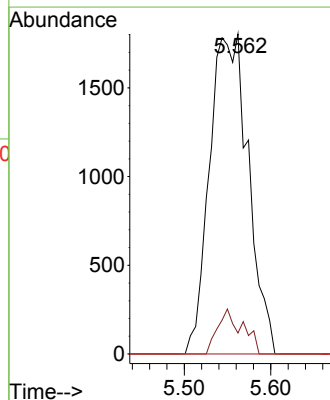
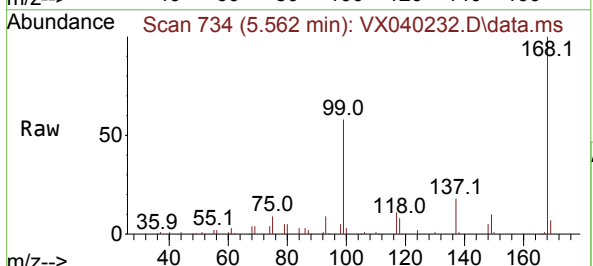
Tgt Ion: 75 Resp: 5588

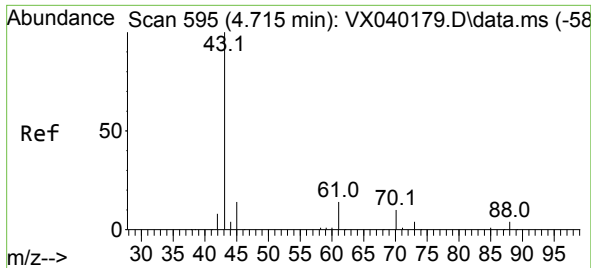
Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.466 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.146 min

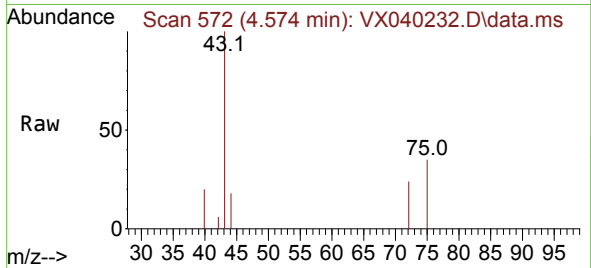
Lab File: VX040232.D

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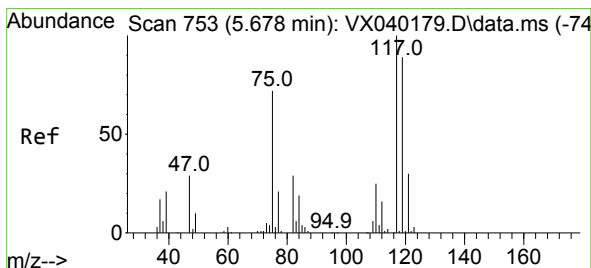
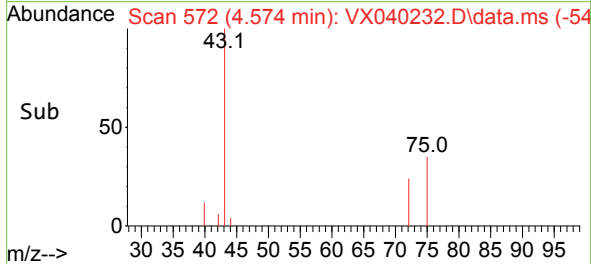
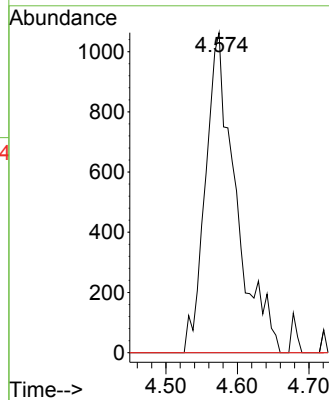
Tgt Ion: 43 Resp: 3137

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

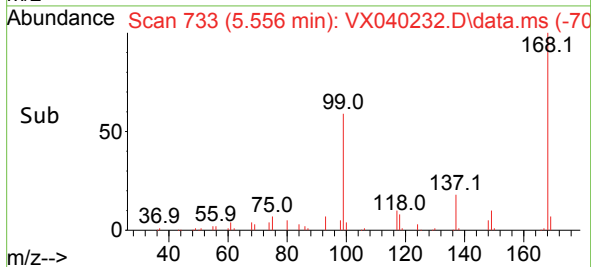
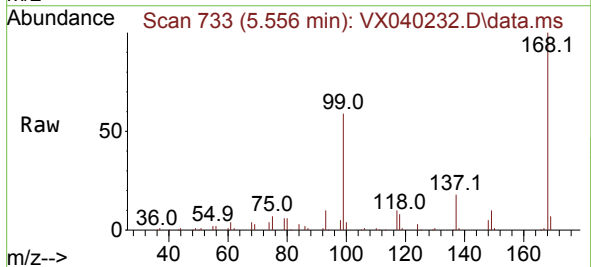
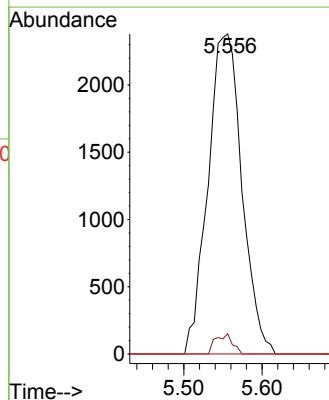
Tgt Ion: 117 Resp: 7171

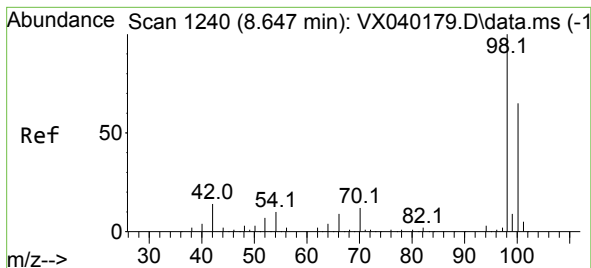
Ion Ratio Lower Upper

117 100

119 6.3 78.2 117.2#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 46.728 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

Instrument :

MSVOA_X

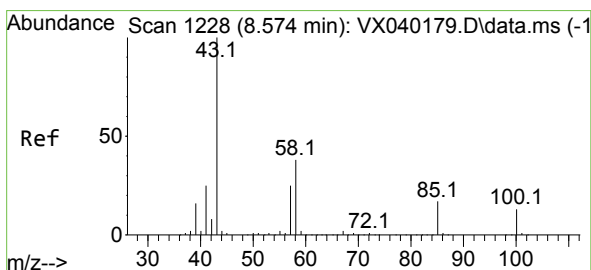
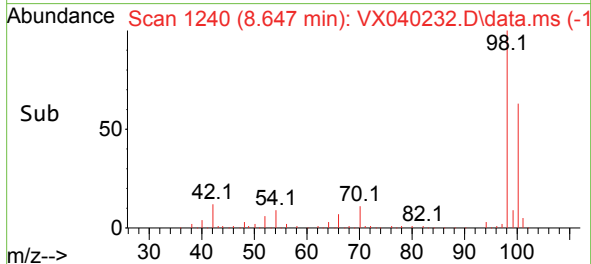
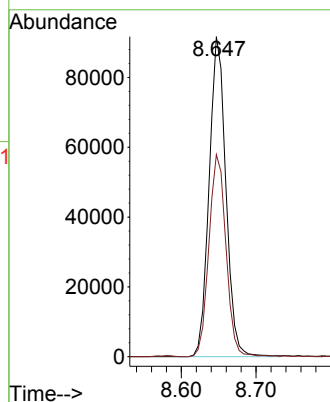
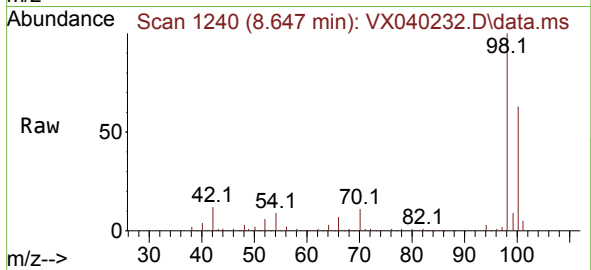
ClientSampleId :

Tgt Ion: 98 Resp: 142639

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.516 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX040232.D

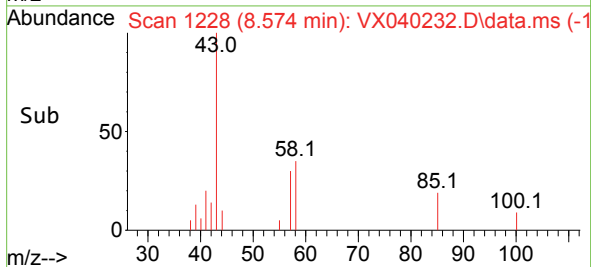
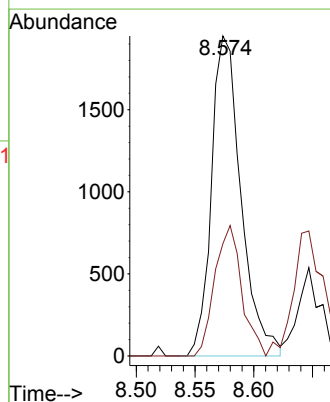
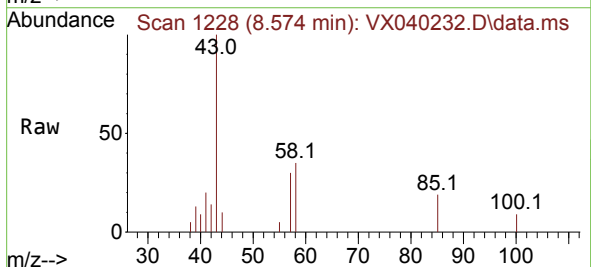
Acq: 14 Feb 2024 19:45

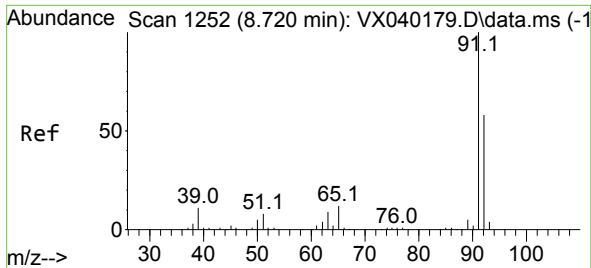
Tgt Ion: 43 Resp: 3411

Ion Ratio Lower Upper

43 100

58 37.1 30.4 45.6

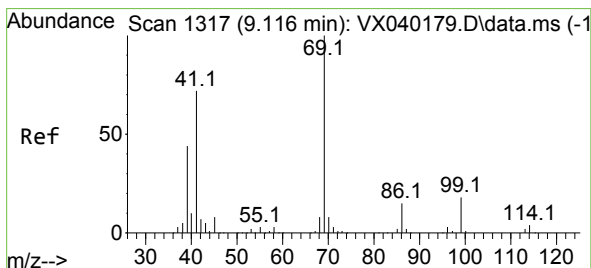
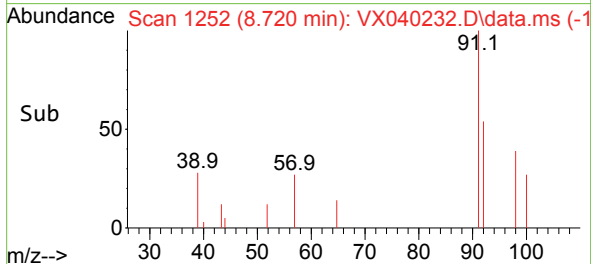
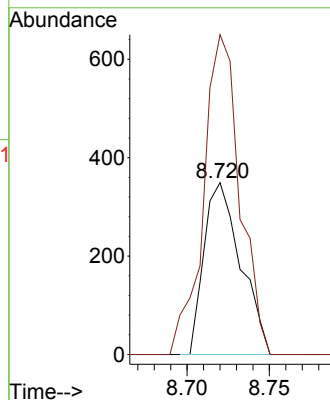
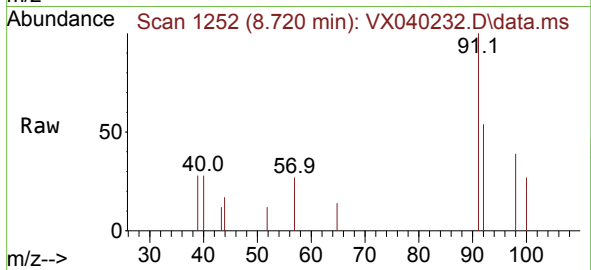




#52
Toluene
Concen: 0.259 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

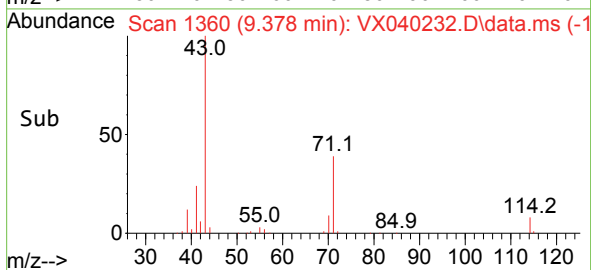
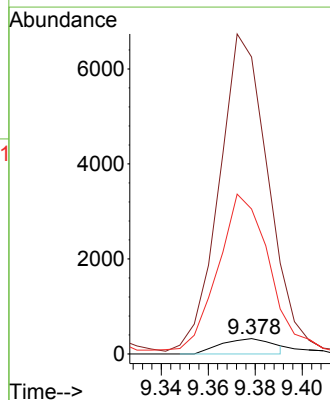
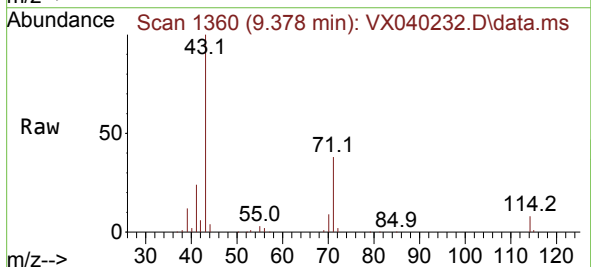
Instrument :
MSVOA_X
ClientSampleId :

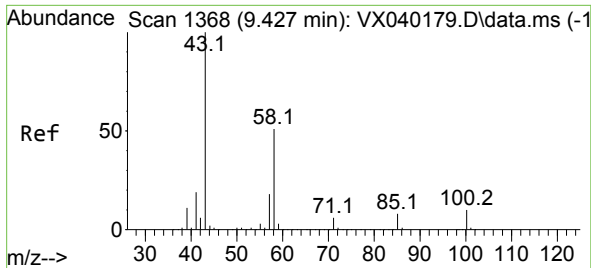
Tgt Ion: 92 Resp: 542
Ion Ratio Lower Upper
92 100
91 184.7 134.2 201.2



#56
Ethyl methacrylate
Concen: 0.376 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. 0.262 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion: 69 Resp: 503
Ion Ratio Lower Upper
69 100
41 1851.1 56.8 85.2#
39 933.0 32.0 48.0#

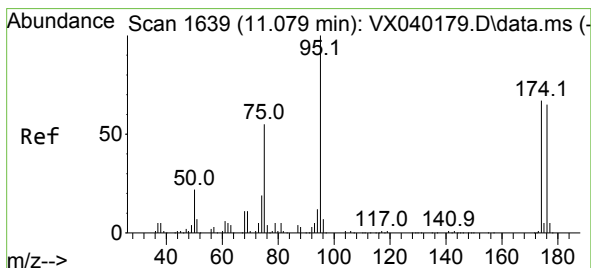
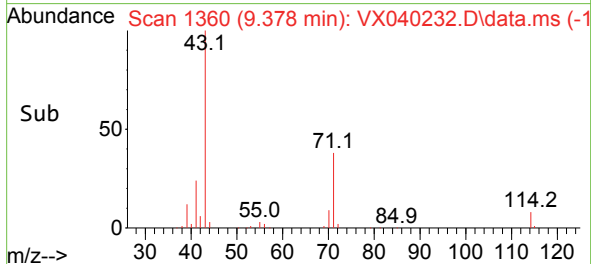
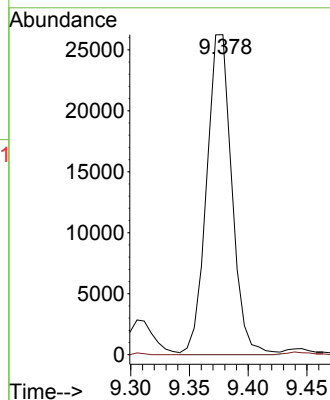
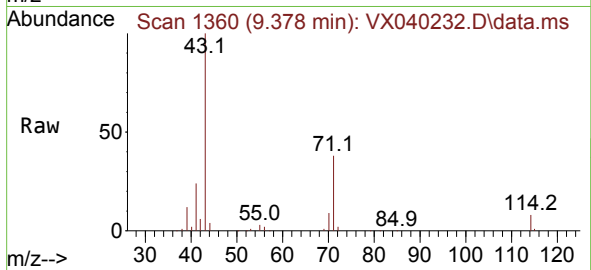




#59
2-Hexanone
Concen: 36.533 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

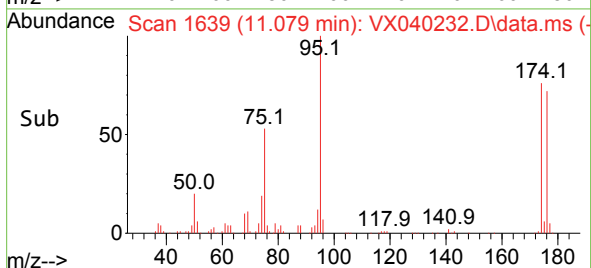
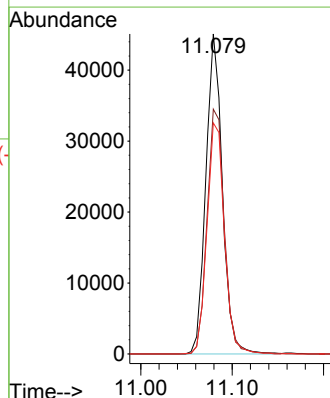
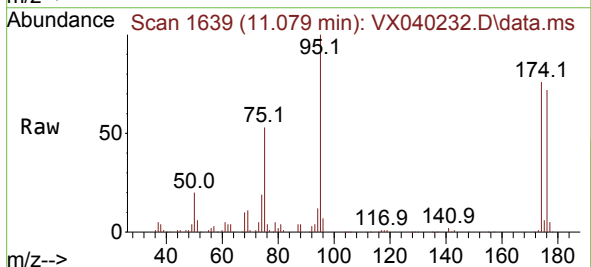
Instrument :
MSVOA_X
ClientSampleId :

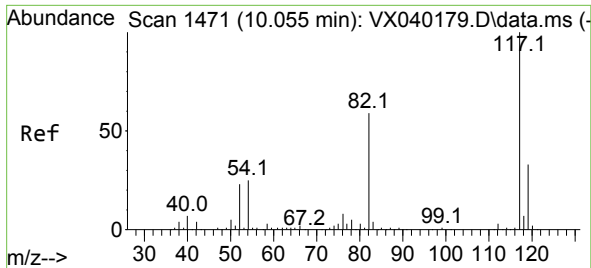
Tgt Ion: 43 Resp: 39266
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 45.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion: 95 Resp: 56383
Ion Ratio Lower Upper
95 100
174 80.5 0.0 135.6
176 76.2 0.0 131.0

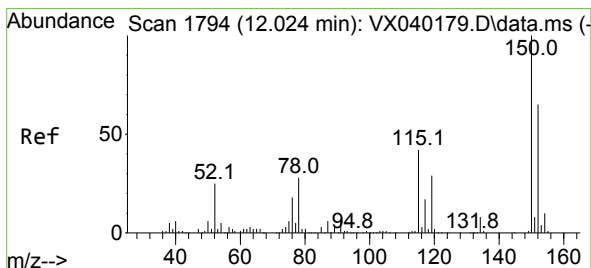
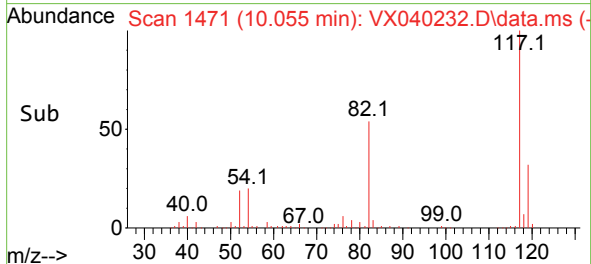
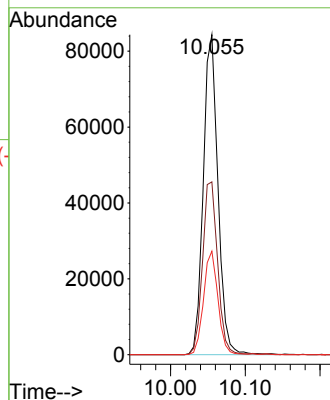
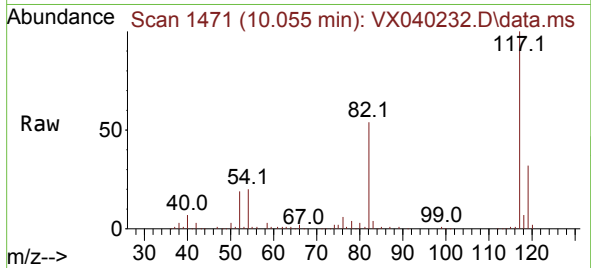




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

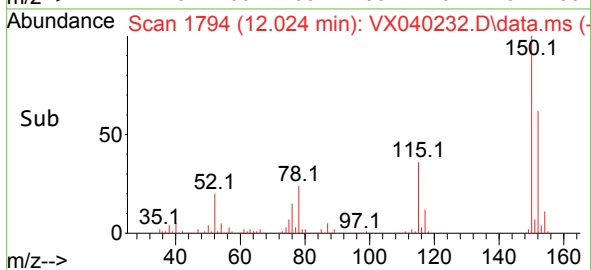
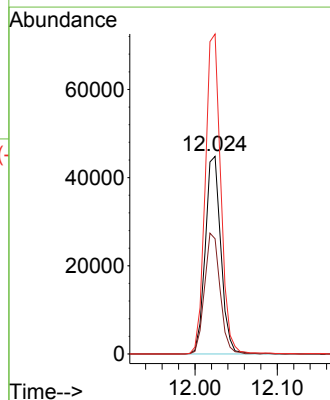
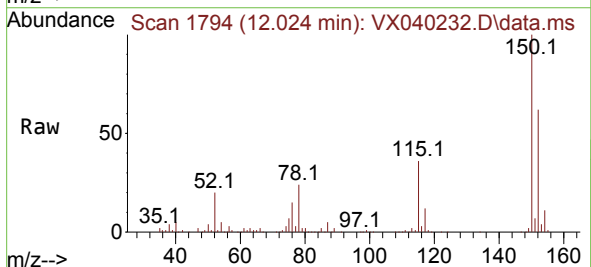
Instrument :
MSVOA_X
ClientSampleId :

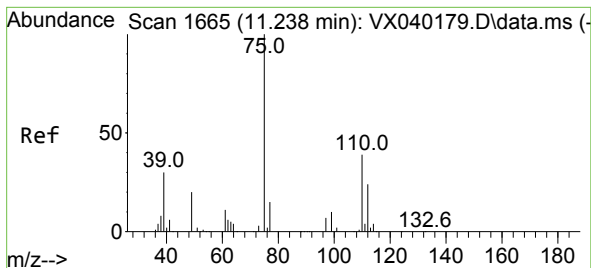
Tgt Ion:117 Resp: 114921
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Tgt Ion:152 Resp: 59073
Ion Ratio Lower Upper
152 100
115 60.6 43.3 129.9
150 161.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.634 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

Instrument :

MSVOA_X

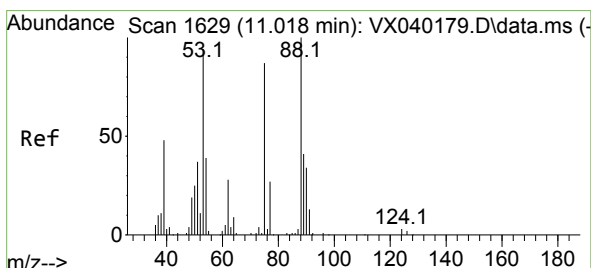
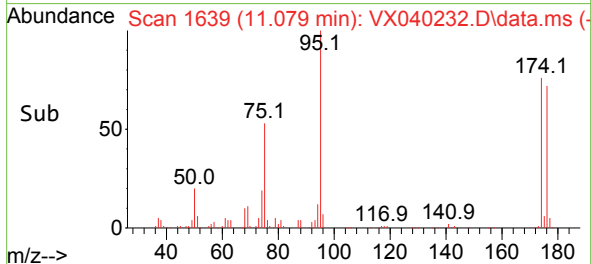
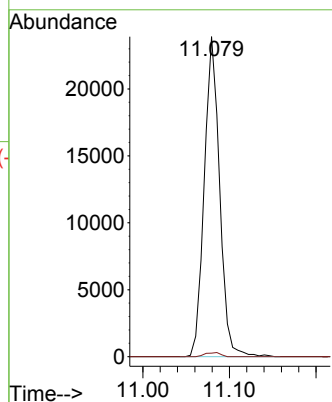
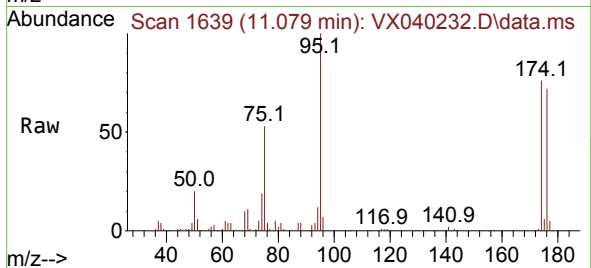
ClientSampleId :

Tgt Ion: 75 Resp: 29469

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.815 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040232.D

Acq: 14 Feb 2024 19:45

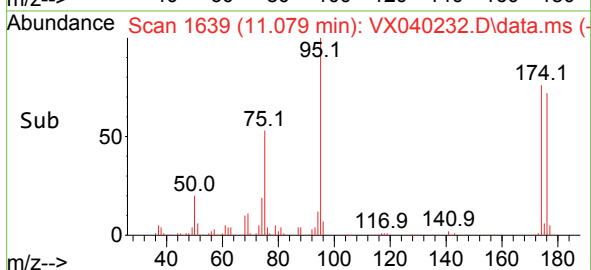
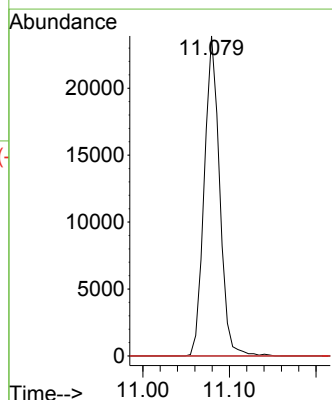
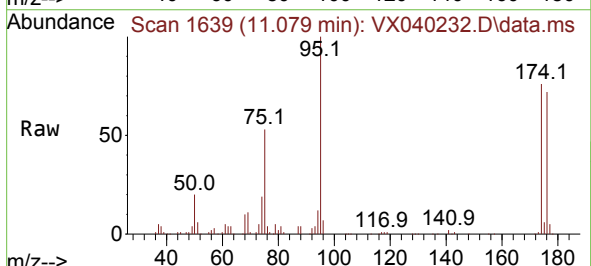
Tgt Ion: 75 Resp: 29469

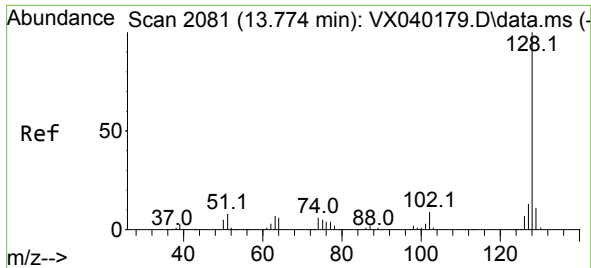
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

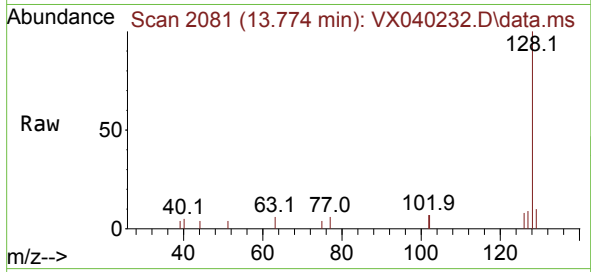
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.560 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040232.D
Acq: 14 Feb 2024 19:45

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2284
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.3	15.5
129	9.2	8.8	13.2

