

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035539.D
 Acq On : 05 May 2023 16:25
 Operator : JC/MD
 Sample : 02615-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 003-3

Quant Time: May 08 00:51:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

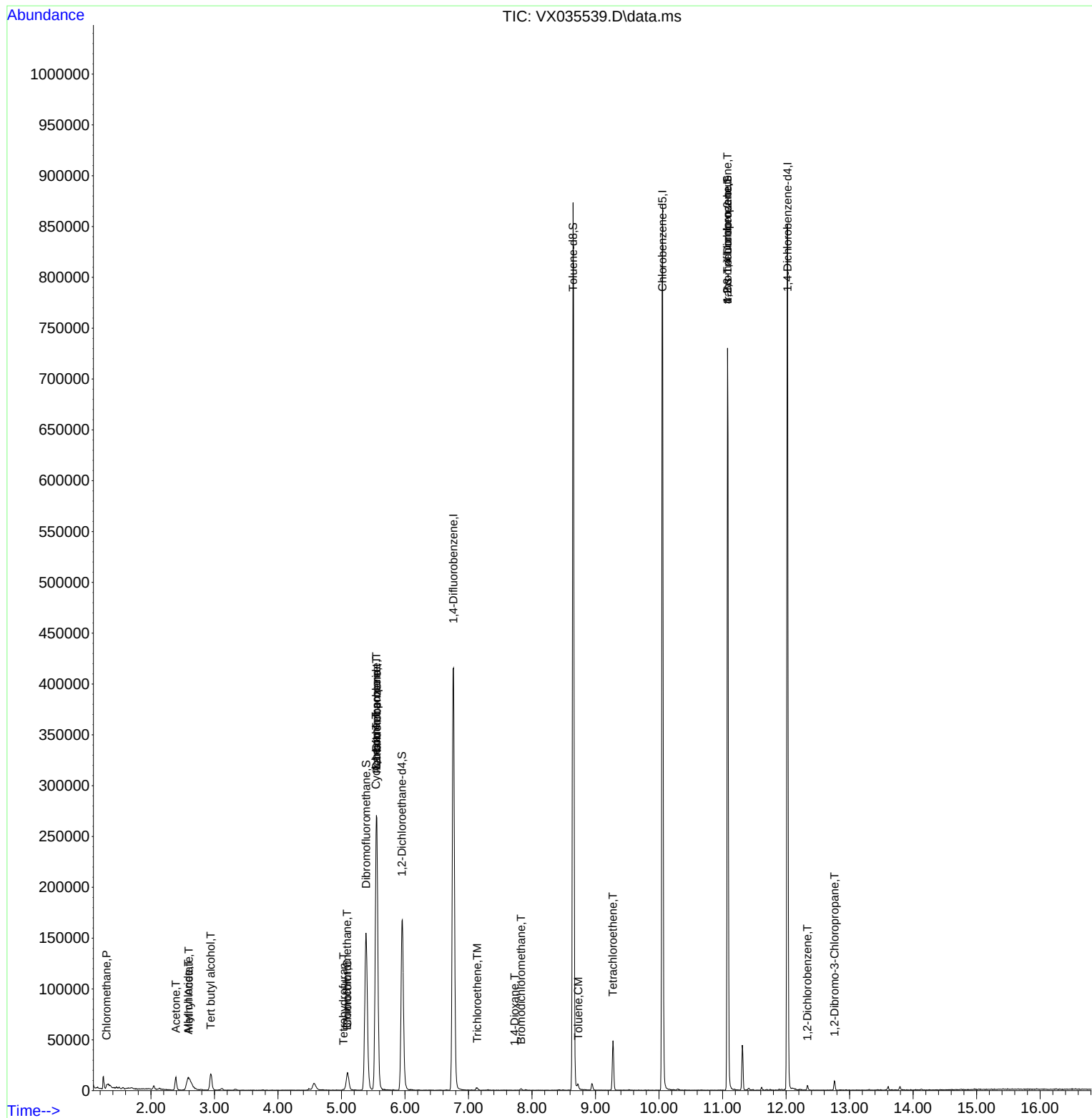
Internal Standards						
1) Pentafluorobenzene	5.556	168	266759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	441877	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162581	50.518	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.040%	
35) Dibromofluoromethane	5.385	113	137129	50.562	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.120%	
50) Toluene-d8	8.647	98	520560	50.881	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	11.079	95	199803	51.914	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	816	0.318	ug/l #	75
11) Tert butyl alcohol	2.941	59	10025	17.108	ug/l #	73
14) Allyl chloride	2.587	41	3816	0.837	ug/l #	63
16) Acetone	2.392	43	14711	10.525	ug/l	96
18) Methyl Acetate	2.593	43	10689	1.978	ug/l #	53
28) Bromochloromethane	5.086	49	1051	0.485	ug/l #	15
29) Tetrahydrofuran	5.032	42	661	0.505	ug/l #	50
30) Chloroform	5.093	83	20743	4.043	ug/l	97
31) Cyclohexane	5.544	56	5134	1.125	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19704	4.653	ug/l #	51
38) Carbon Tetrachloride	5.550	117	25940	6.453	ug/l #	16
44) Trichloroethene	7.135	130	1147	0.343	ug/l	89
47) Bromodichloromethane	7.830	83	1240	0.320	ug/l #	93
49) 1,4-Dioxane	7.726	88	26	0.335	ug/l #	14
52) Toluene	8.726	92	1825	0.237	ug/l	100
64) Tetrachloroethene	9.275	164	1669	0.529	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	99643	26.169	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	99643	84.758	ug/l #	8
91) 1,2-Dichlorobenzene	12.335	146	1571	0.238	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.762	75	242	0.279	ug/l #	5

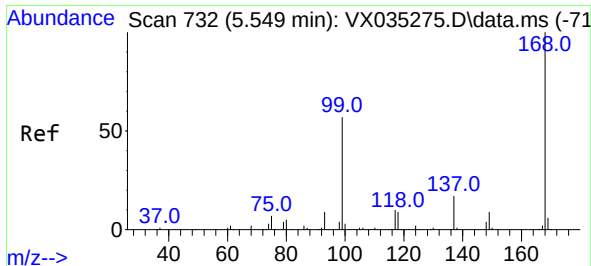
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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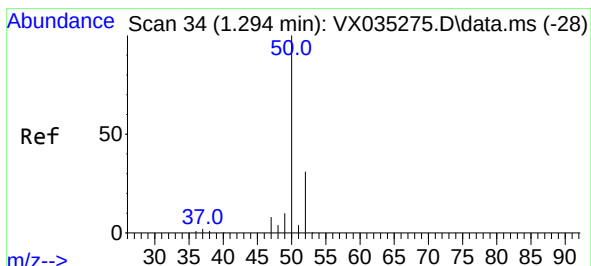
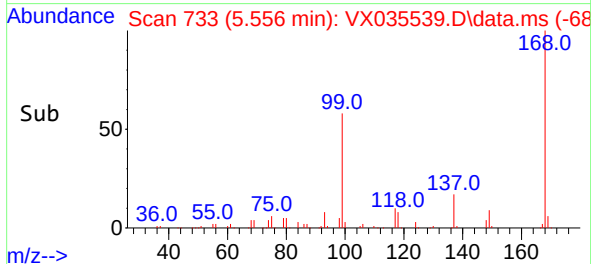
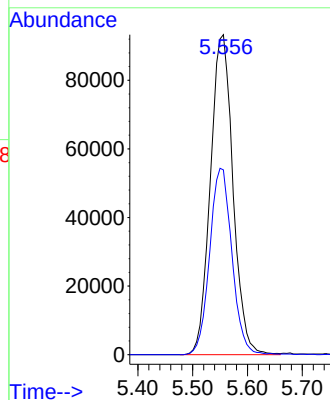
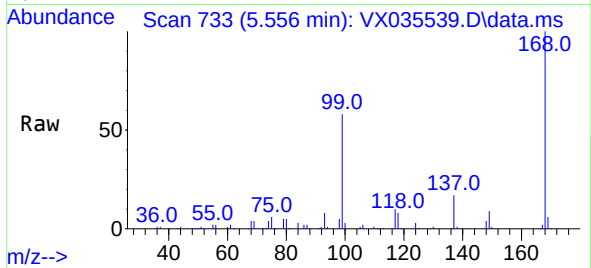




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

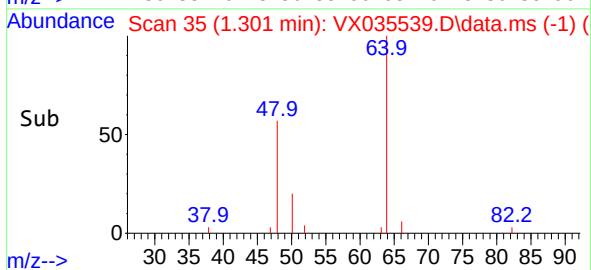
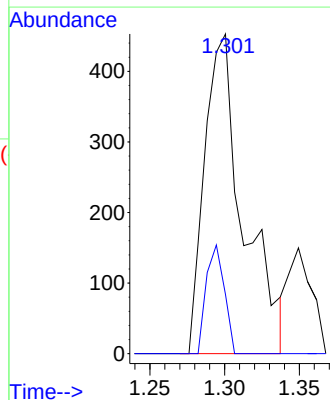
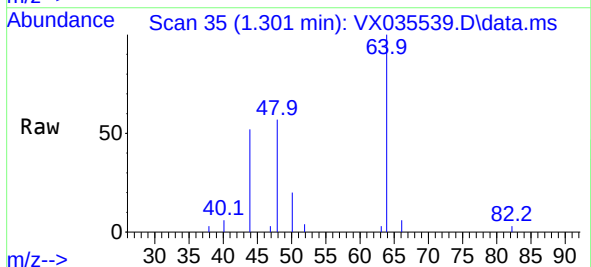
Instrument :
MSVOA_X
ClientSampleId :
003-3

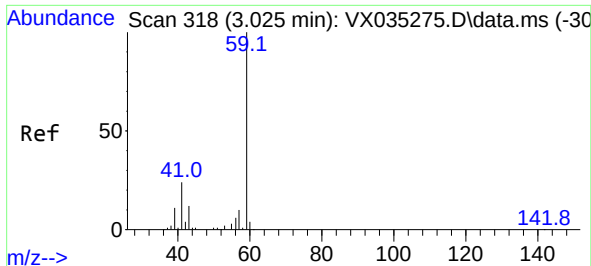
Tgt Ion:168 Resp: 266759
Ion Ratio Lower Upper
168 100
99 57.8 45.7 68.5



#3
Chloromethane
Concen: 0.318 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 50 Resp: 816
Ion Ratio Lower Upper
50 100
52 18.5 25.9 38.9#

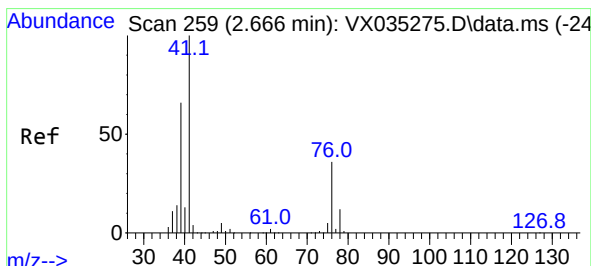
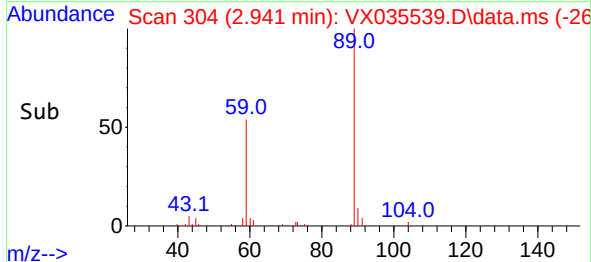
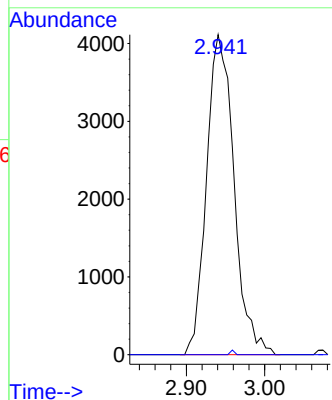
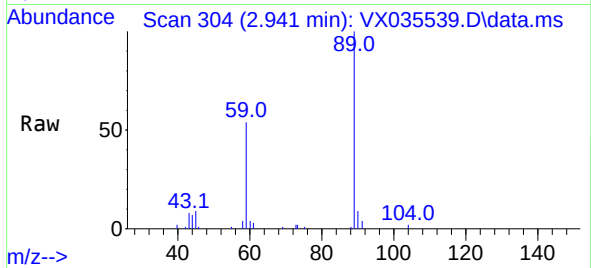




#11
Tert butyl alcohol
Concen: 17.108 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.084 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

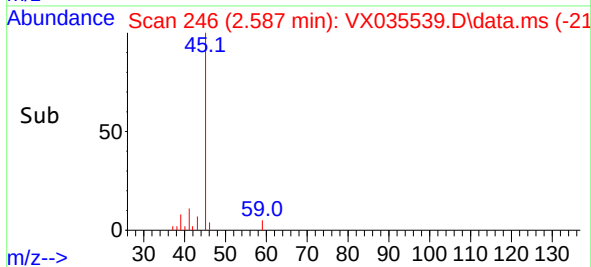
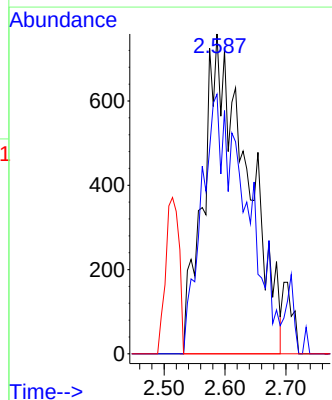
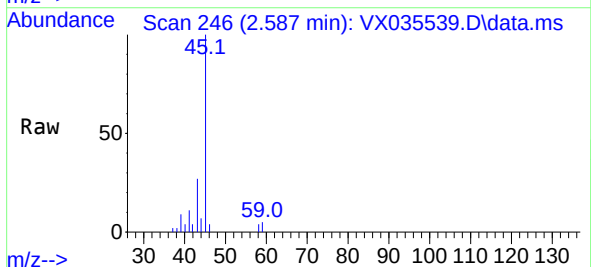
Instrument :
MSVOA_X
ClientSampleId :
003-3

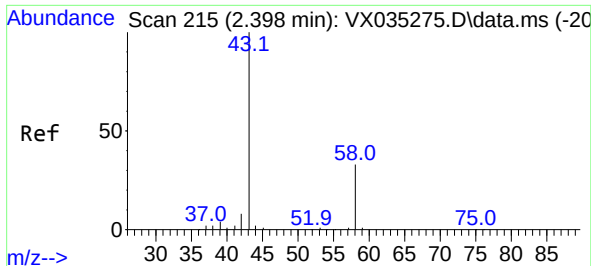
Tgt Ion: 59 Resp: 10025
Ion Ratio Lower Upper
59 100
57 0.2 8.1 12.1#



#14
Allyl chloride
Concen: 0.837 ug/l
RT: 2.587 min Scan# 246
Delta R.T. -0.079 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 41 Resp: 3816
Ion Ratio Lower Upper
41 100
39 44.7 52.4 78.6#
76 0.0 26.0 39.0#

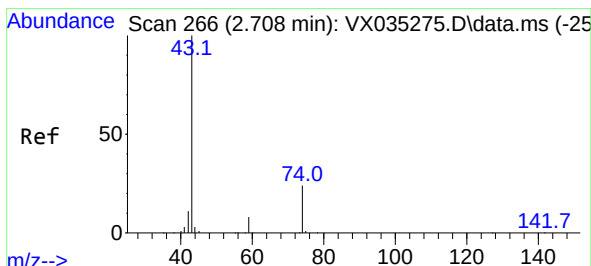
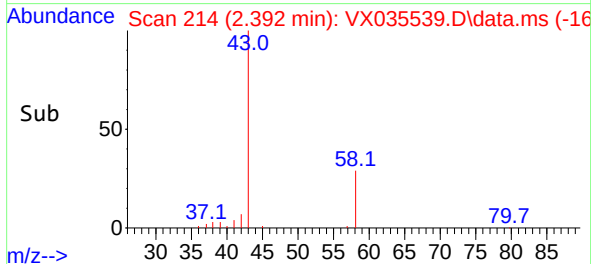
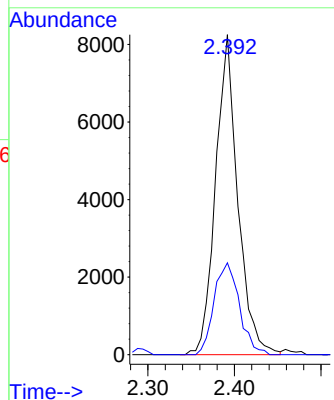
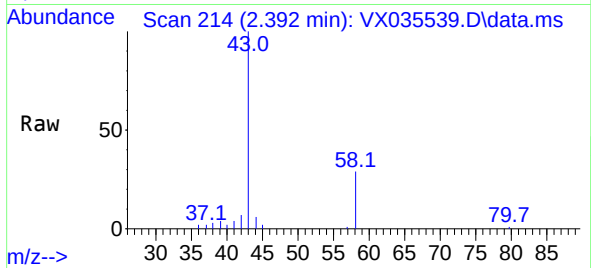




#16
Acetone
Concen: 10.525 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

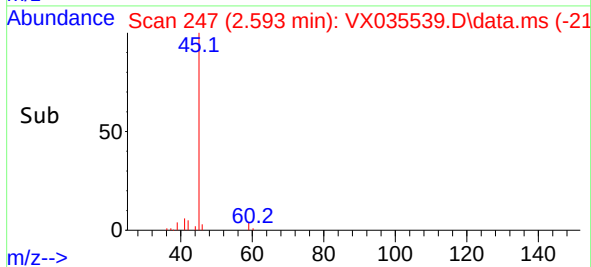
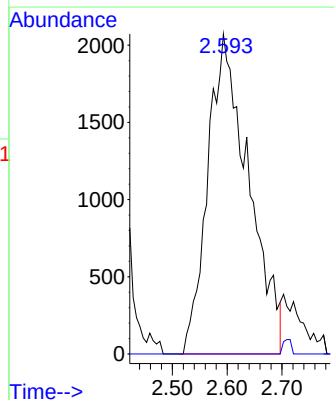
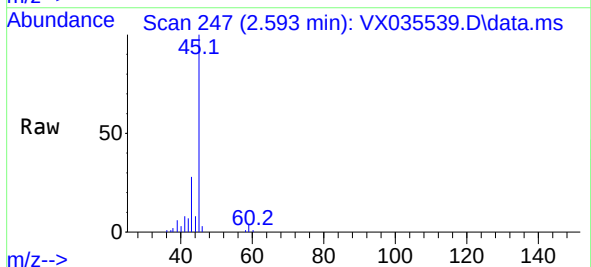
Instrument :
MSVOA_X
ClientSampleId :
003-3

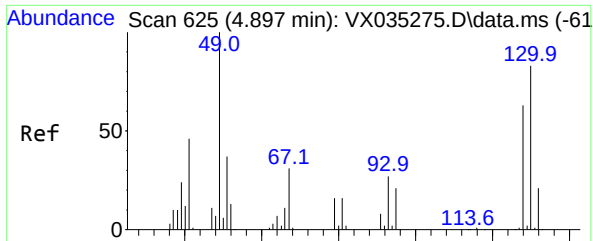
Tgt Ion: 43 Resp: 14711
Ion Ratio Lower Upper
43 100
58 28.7 24.7 37.1



#18
Methyl Acetate
Concen: 1.978 ug/l
RT: 2.593 min Scan# 247
Delta R.T. -0.115 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 43 Resp: 10689
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#





#28

Bromochloromethane

Concen: 0.485 ug/l

RT: 5.086 min Scan# 61

Delta R.T. 0.189 min

Lab File: VX035539.D

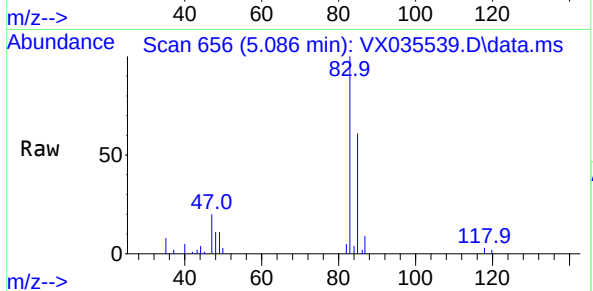
Acq: 05 May 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

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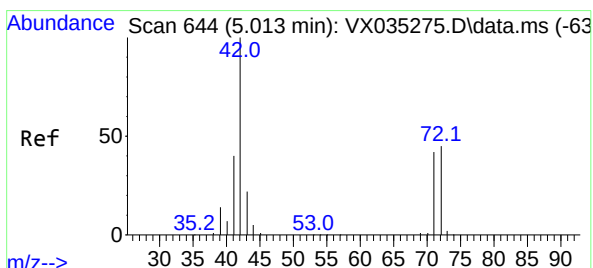
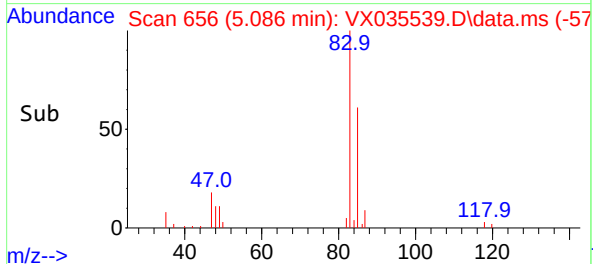
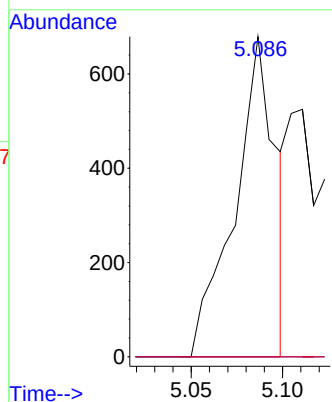
Tgt Ion: 49 Resp: 1051

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#



#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX035539.D

Acq: 05 May 2023 16:25

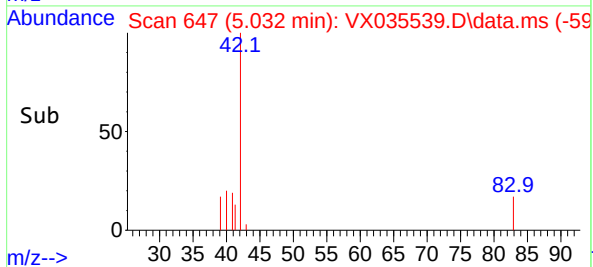
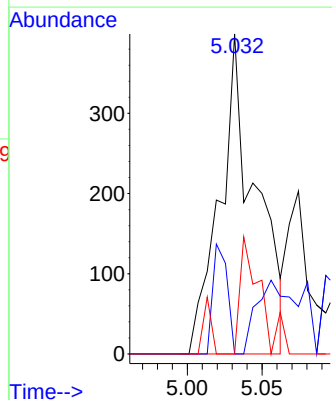
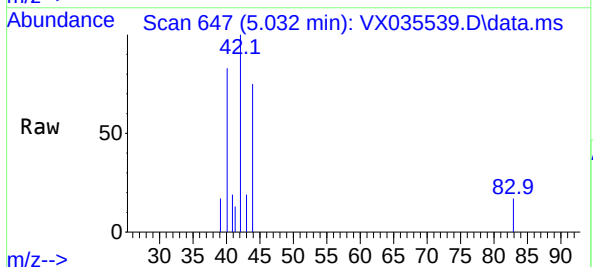
Tgt Ion: 42 Resp: 661

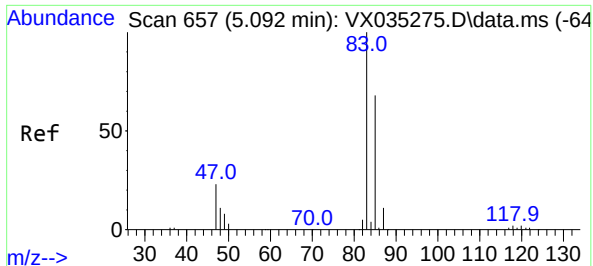
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 20.9 32.1 48.1#

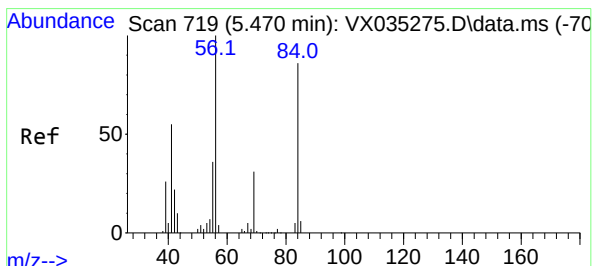
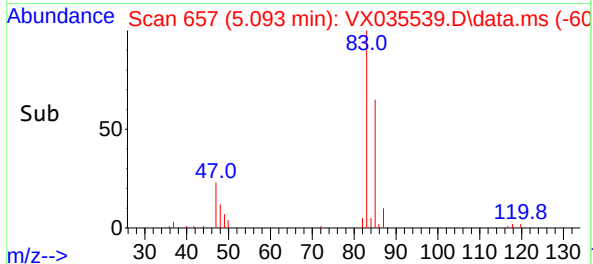
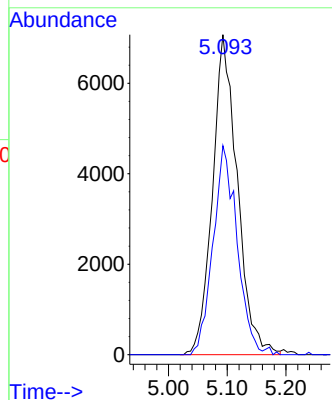
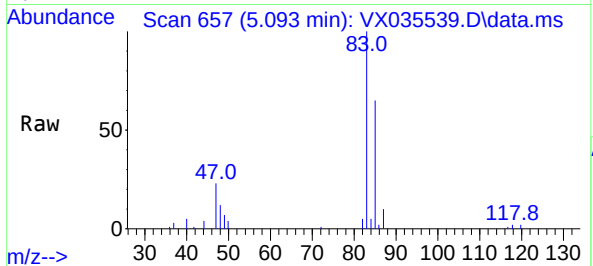




#30
Chloroform
Concen: 4.043 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

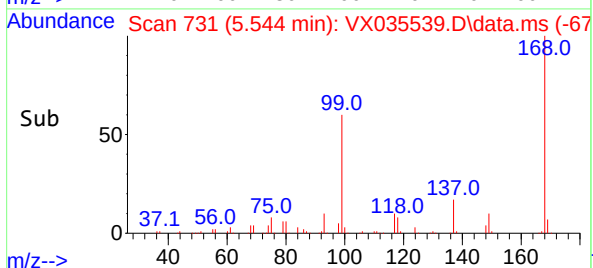
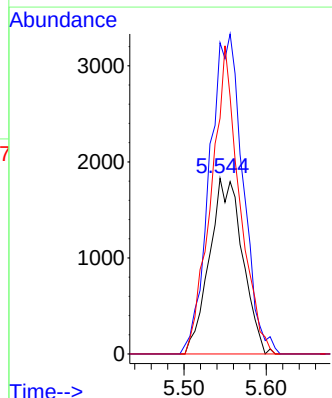
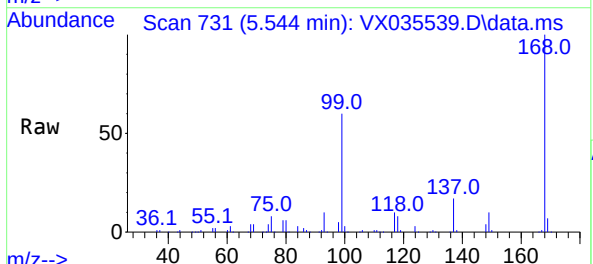
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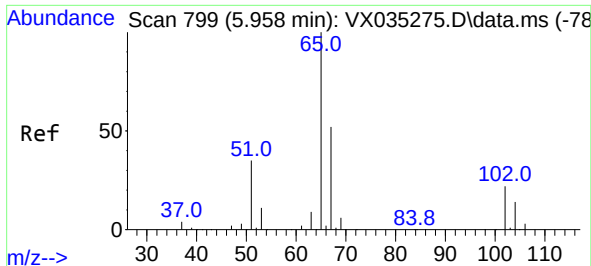
Tgt Ion: 83 Resp: 20743
Ion Ratio Lower Upper
83 100
85 65.3 50.6 76.0



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 56 Resp: 5134
Ion Ratio Lower Upper
56 100
69 177.0 23.7 35.5#
84 134.1 68.5 102.7#

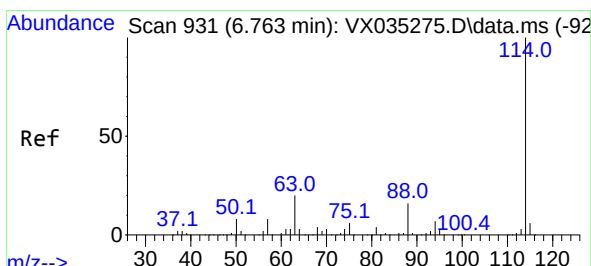
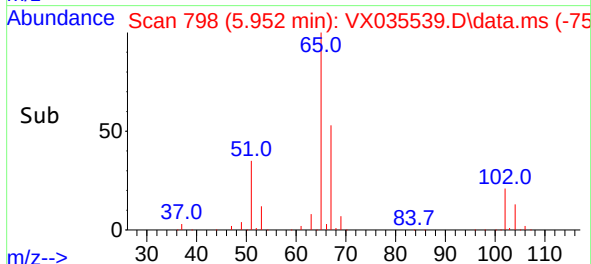
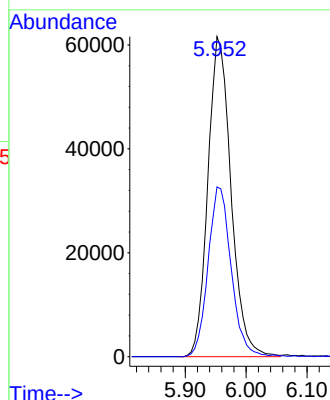
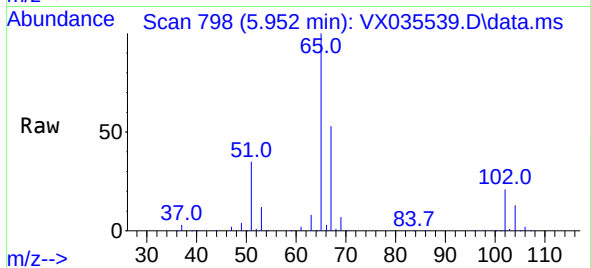




#33
 1,2-Dichloroethane-d4
 Concen: 50.518 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX035539.D
 Acq: 05 May 2023 16:25

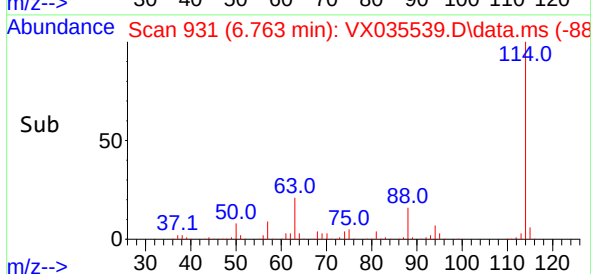
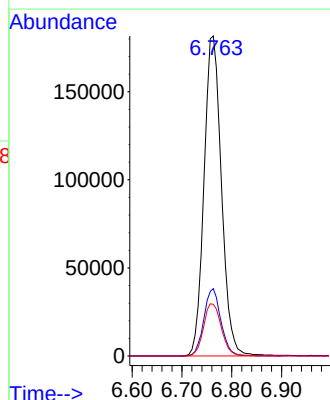
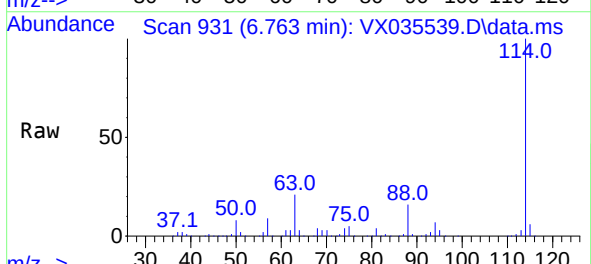
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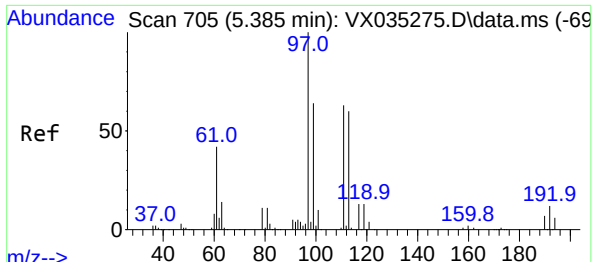
Tgt Ion: 65 Resp: 162581
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX035539.D
 Acq: 05 May 2023 16:25

Tgt Ion: 114 Resp: 441877
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 16.1 0.0 33.2

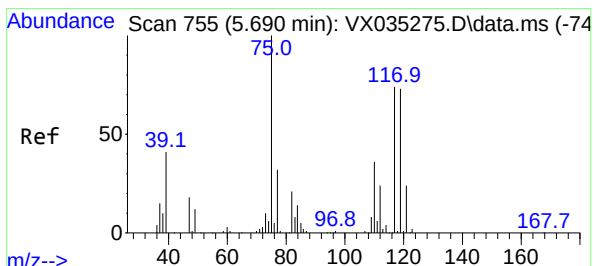
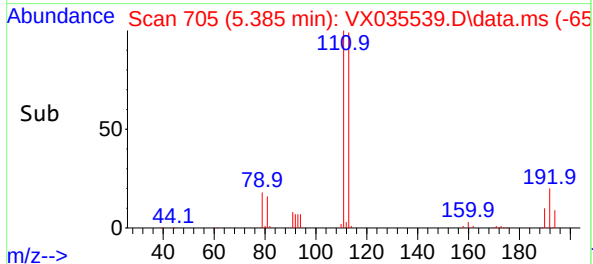
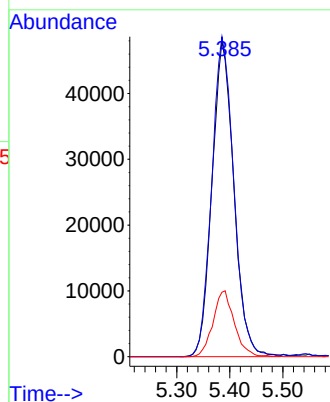
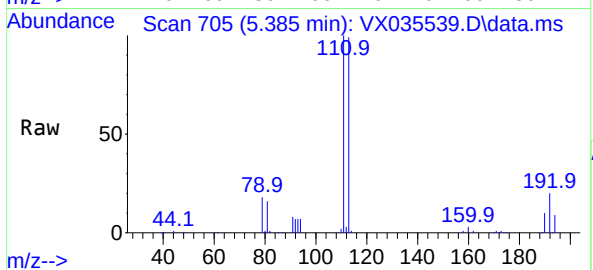




#35
Dibromofluoromethane
Concen: 50.562 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

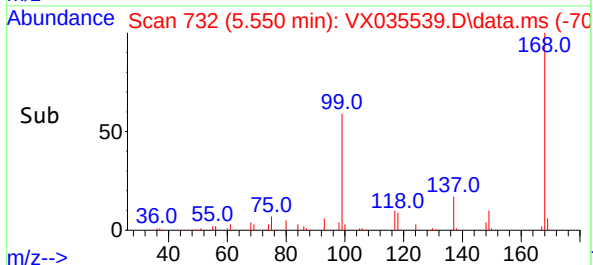
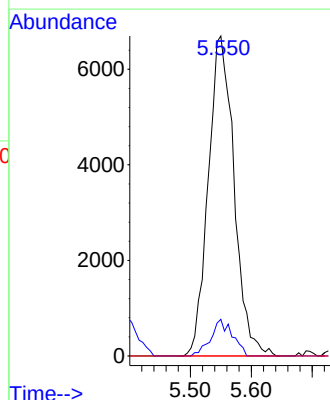
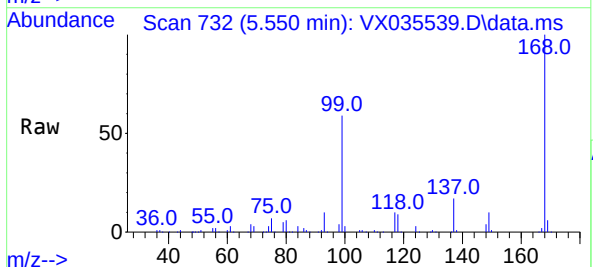
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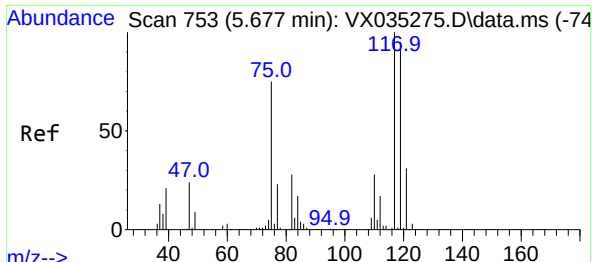
Tgt Ion:113 Resp: 137129
Ion Ratio Lower Upper
113 100
111 102.8 83.7 125.5
192 20.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

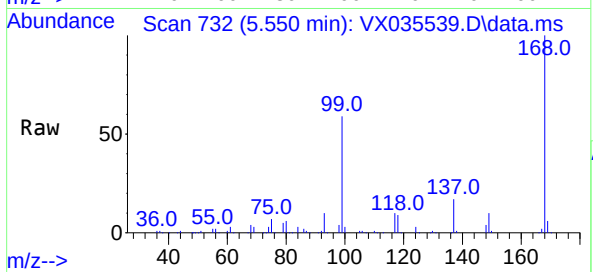
Tgt Ion: 75 Resp: 19704
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.3 36.5#



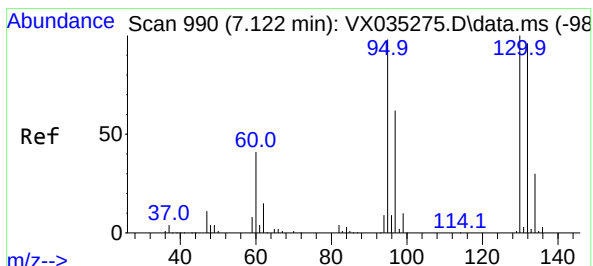
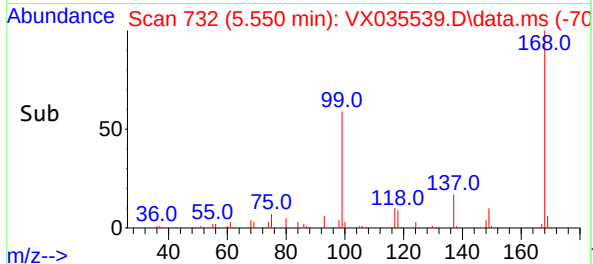
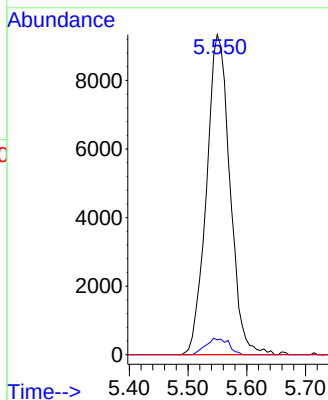


#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
003-3

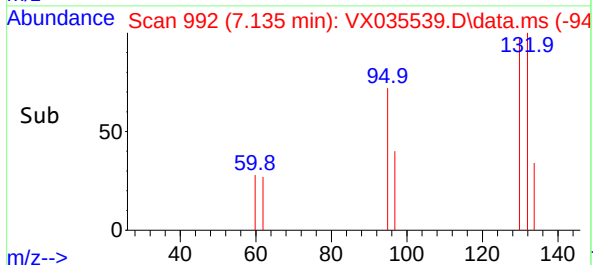
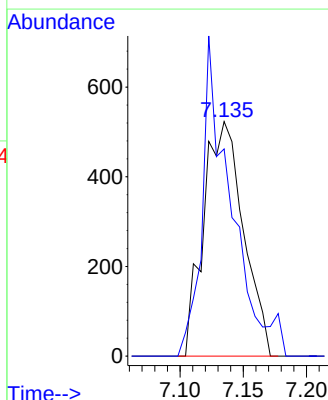
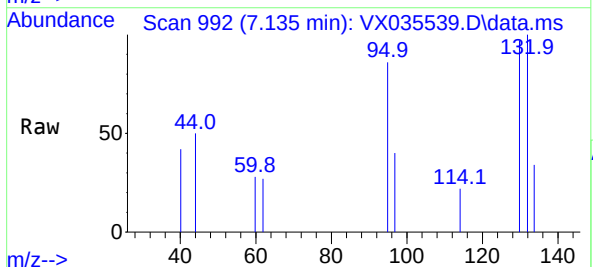


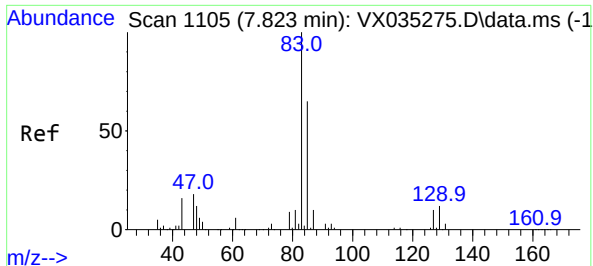
Tgt Ion:117 Resp: 25940
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.343 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion:130 Resp: 1147
Ion Ratio Lower Upper
130 100
95 88.3 0.0 198.4

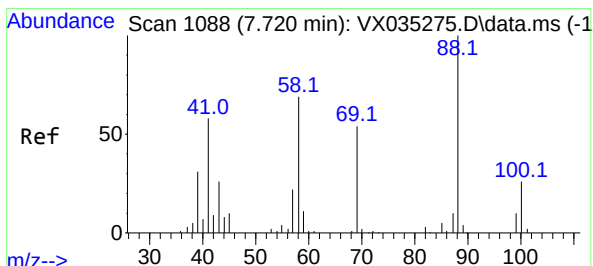
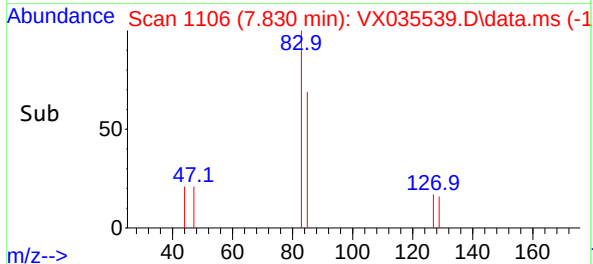
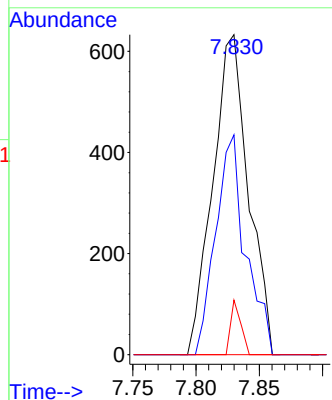
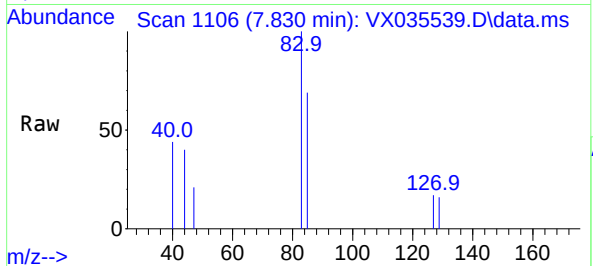




#47
Bromodichloromethane
Concen: 0.320 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.007 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

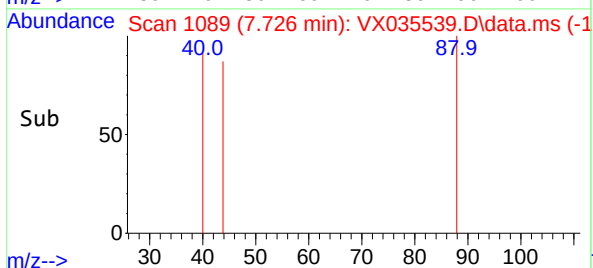
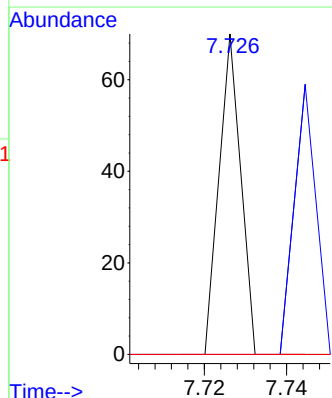
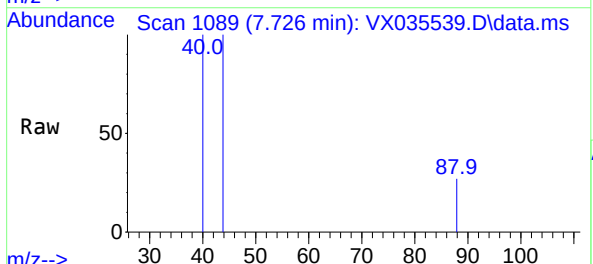
Instrument :
MSVOA_X
ClientSampleId :
003-3

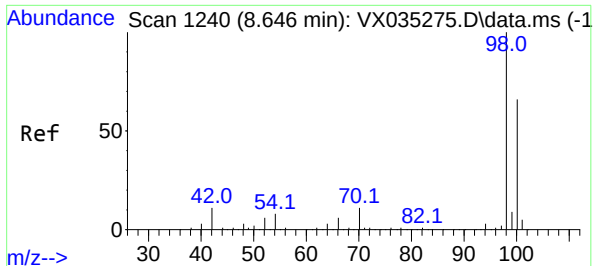
Tgt Ion: 83 Resp: 1240
Ion Ratio Lower Upper
83 100
85 68.7 52.2 78.4
127 17.1 6.6 9.8#



#49
1,4-Dioxane
Concen: 0.335 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 84.6 27.7 41.5#
58 0.0 56.8 85.2#





#50

Toluene-d8

Concen: 50.881 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035539.D

Acq: 05 May 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

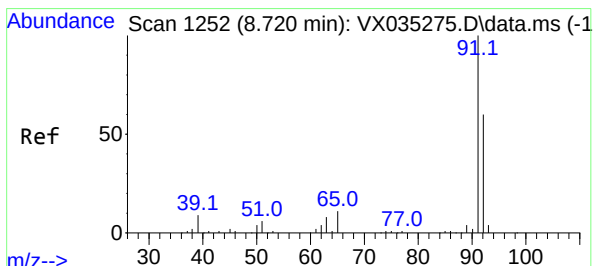
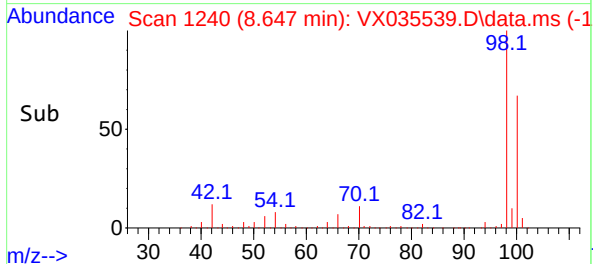
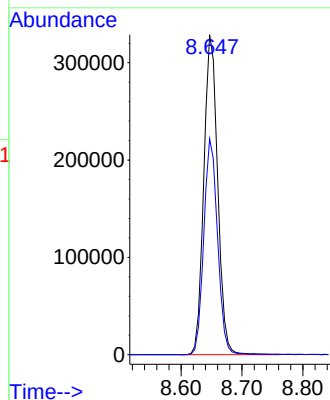
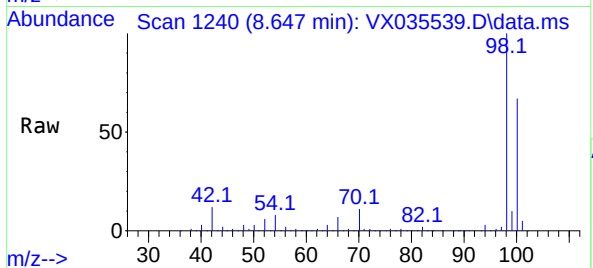
003-3

Tgt Ion: 98 Resp: 520560

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7



#52

Toluene

Concen: 0.237 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX035539.D

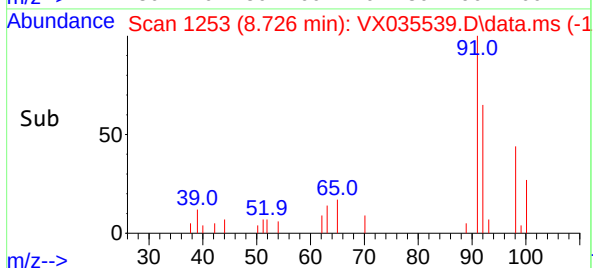
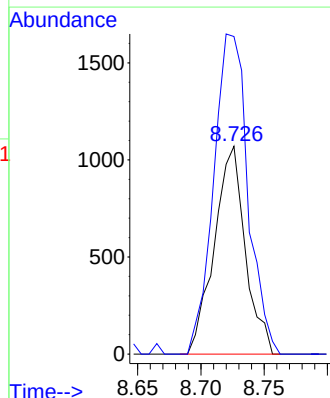
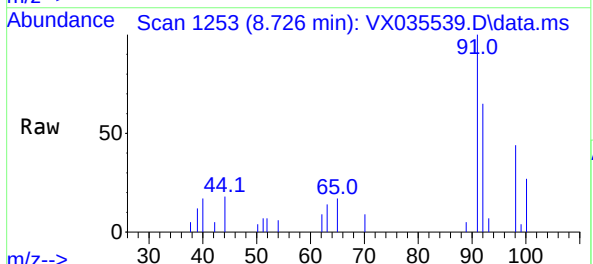
Acq: 05 May 2023 16:25

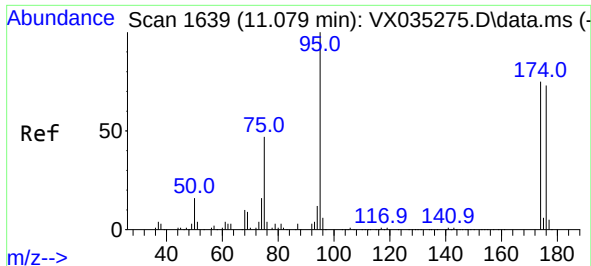
Tgt Ion: 92 Resp: 1825

Ion Ratio Lower Upper

92 100

91 170.8 136.8 205.2

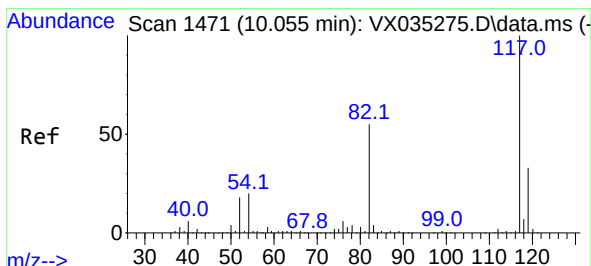
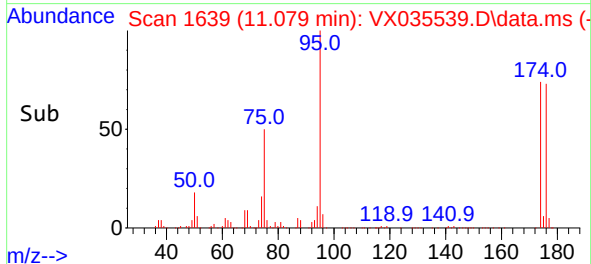
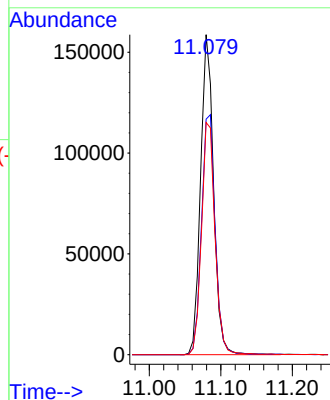
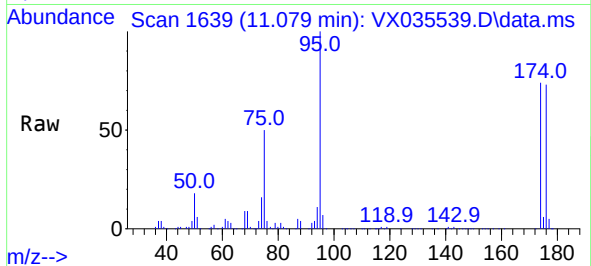




#62
4-Bromofluorobenzene
Concen: 51.914 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

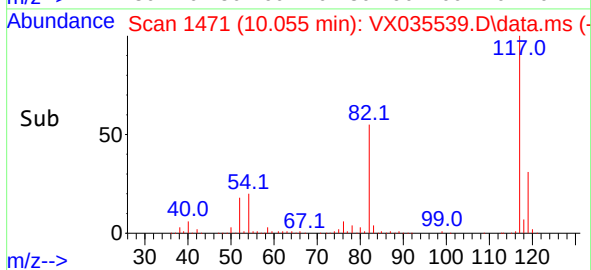
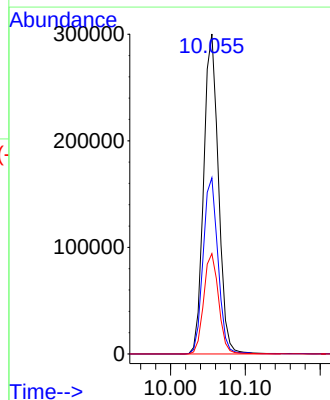
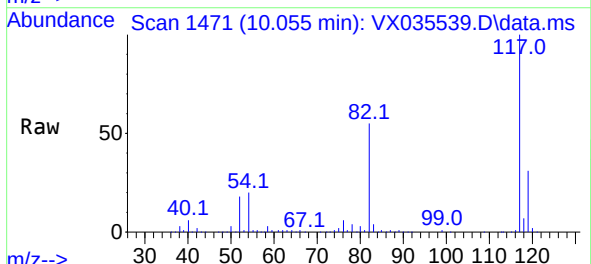
Instrument :
MSVOA_X
ClientSampleId :
003-3

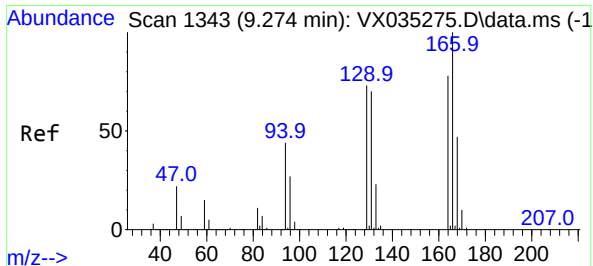
Tgt Ion: 95 Resp: 199803
Ion Ratio Lower Upper
95 100
174 79.1 0.0 147.4
176 75.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 117 Resp: 411977
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 31.4 26.0 39.0





#64

Tetrachloroethene

Concen: 0.529 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035539.D

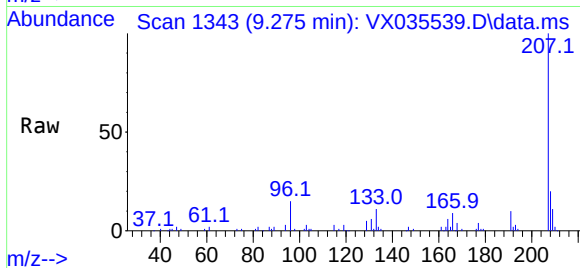
Acq: 05 May 2023 16:25

Instrument :

MSVOA_X

ClientSampleId :

003-3



Tgt Ion:164 Resp: 1669

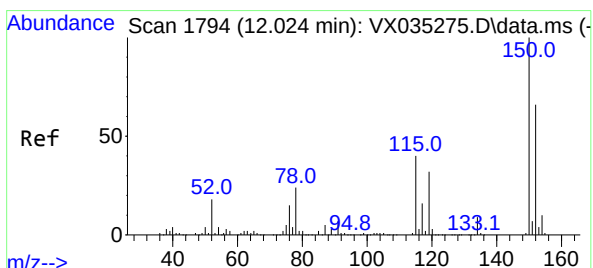
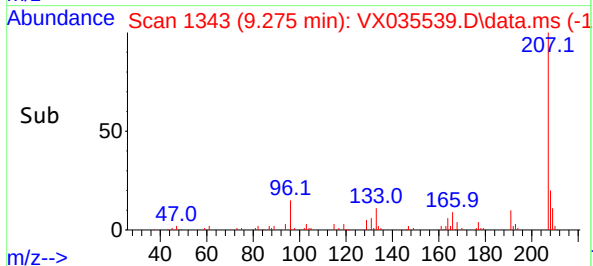
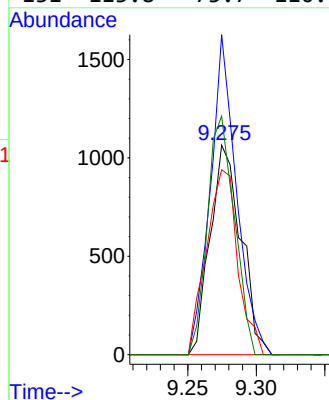
Ion Ratio Lower Upper

164 100

166 152.7 102.7 154.1

129 88.3 75.6 113.4

131 113.8 73.7 110.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035539.D

Acq: 05 May 2023 16:25

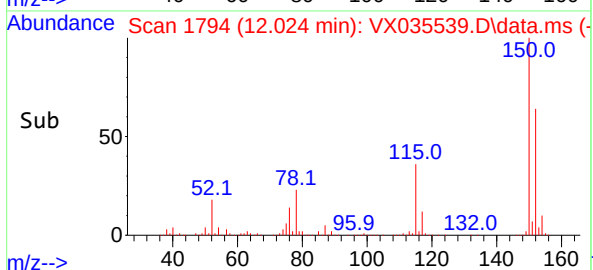
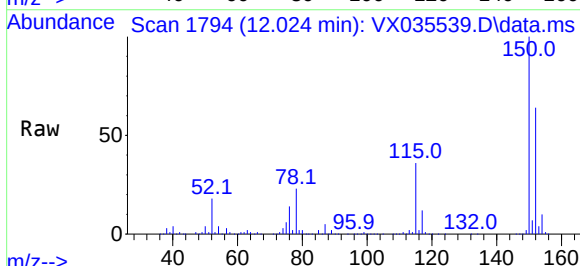
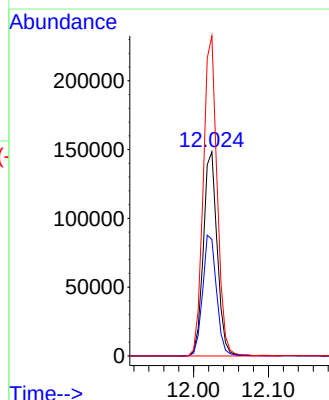
Tgt Ion:152 Resp: 190880

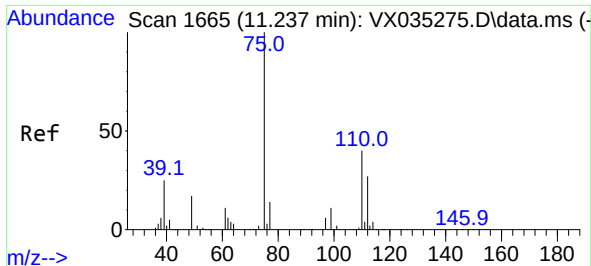
Ion Ratio Lower Upper

152 100

115 59.6 45.0 135.0

150 156.6 0.0 352.4

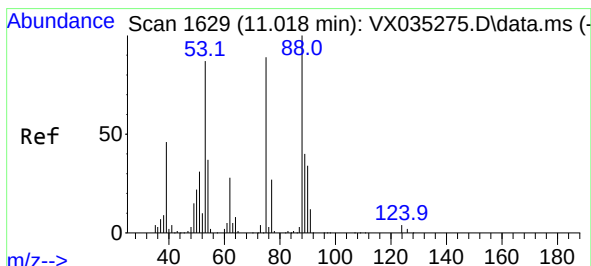
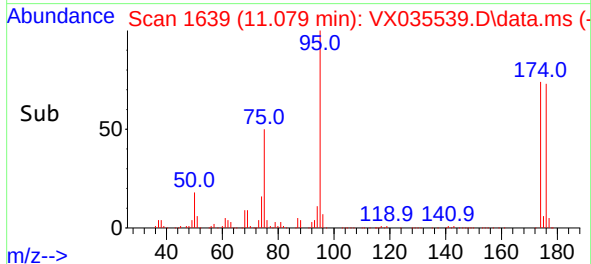
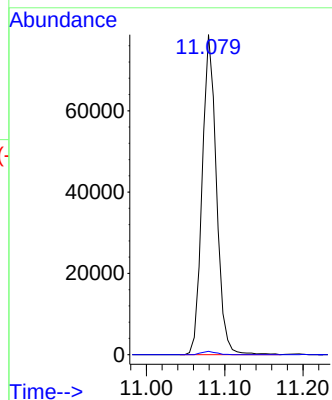
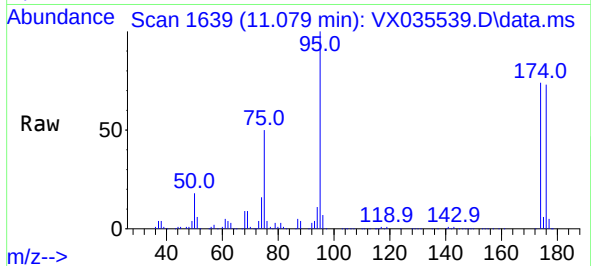




#76
1,2,3-Trichloropropane
Concen: 26.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

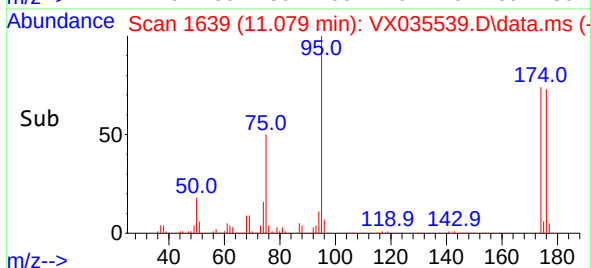
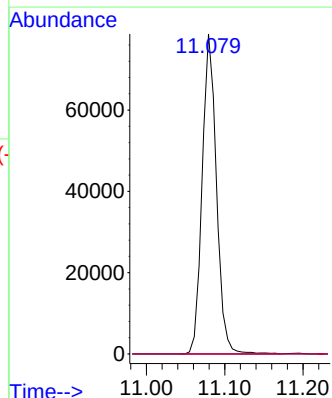
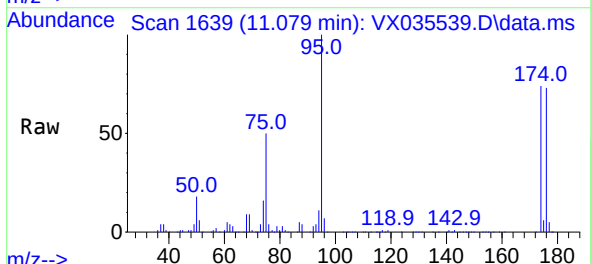
Instrument :
MSVOA_X
ClientSampleId :
003-3

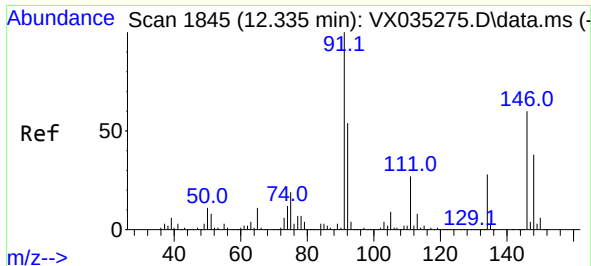
Tgt Ion: 75 Resp: 99643
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.758 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion: 75 Resp: 99643
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

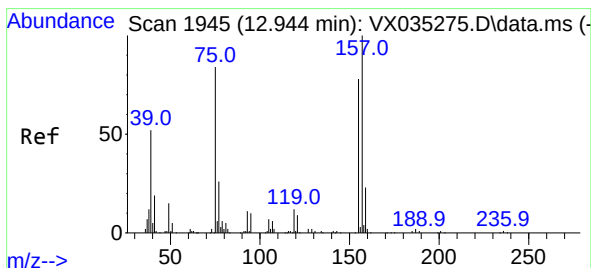
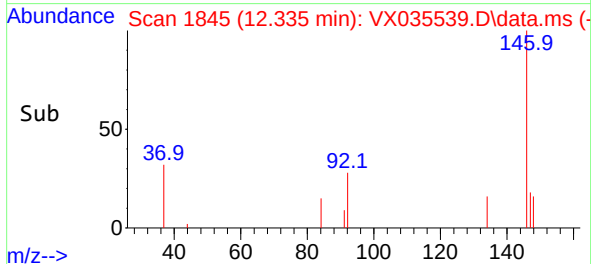
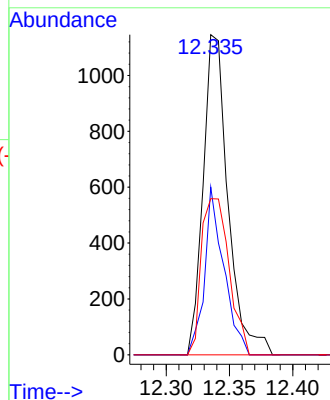
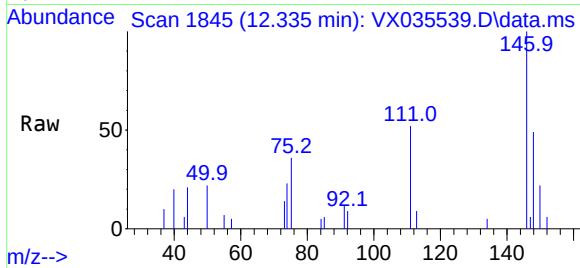




#91
1,2-Dichlorobenzene
Concen: 0.238 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Instrument :
MSVOA_X
ClientSampleId :
003-3

Tgt Ion:	146	Resp:	1571
Ion	Ratio	Lower	Upper
146	100		
111	40.3	22.0	66.0
148	54.4	32.0	96.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.279 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.182 min
Lab File: VX035539.D
Acq: 05 May 2023 16:25

Tgt Ion:	75	Resp:	242
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.4	115.1#
157	0.0	49.9	149.7#

