

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012224\
 Data File : VX039875.D
 Acq On : 22 Jan 2024 11:59
 Operator : JC/MD
 Sample : P1184-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 23 00:14:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

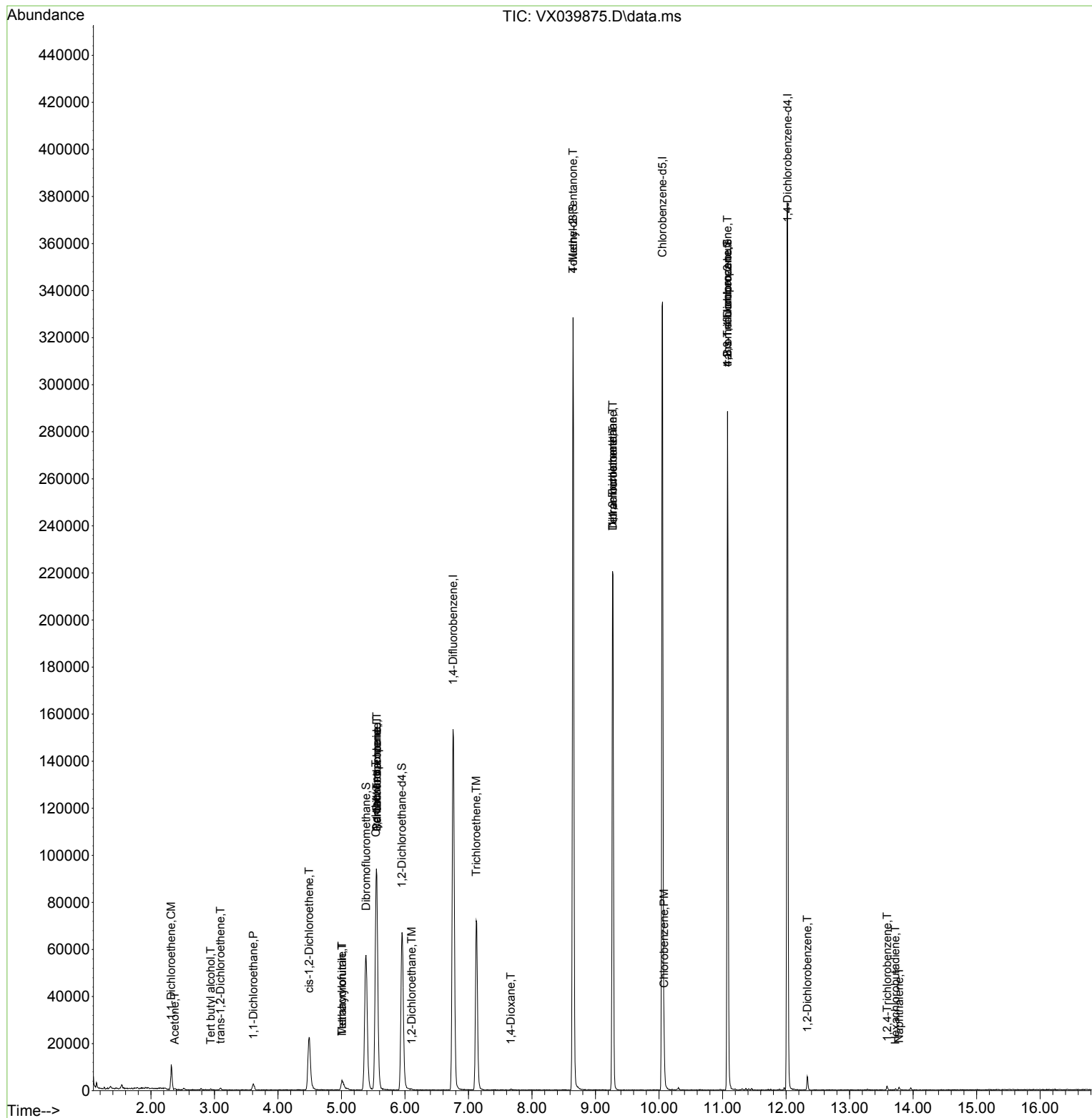
Internal Standards						
1) Pentafluorobenzene	5.556	168	83952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65486	46.566	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.140%
35) Dibromofluoromethane	5.385	113	50220	48.773	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.540%
50) Toluene-d8	8.647	98	188534	48.548	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.100%
62) 4-Bromofluorobenzene	11.079	95	75126	49.470	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	226	0.617	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	3269	3.235	ug/l	97
16) Acetone	2.374	43	492	0.622	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	360	0.339	ug/l #	60
24) 1,1-Dichloroethane	3.611	63	3039	1.456	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	14137	11.592	ug/l	89
29) Tetrahydrofuran	5.007	42	3709	5.070	ug/l	97
31) Cyclohexane	5.544	56	2460	1.325	ug/l #	64
36) 1,1-Dichloropropene	5.556	75	7894	4.925	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9039	6.158	ug/l #	14
41) Methacrylonitrile	5.007	41	2279	2.180	ug/l #	53
42) 1,2-Dichloroethane	6.105	62	493	0.286	ug/l #	77
44) Trichloroethene	7.123	130	27336	24.577	ug/l	98
49) 1,4-Dioxane	7.665	88	243	8.146	ug/l #	83
51) 4-Methyl-2-Pentanone	8.647	43	917	0.424	ug/l #	1
55) 1,1,2-Trichloroethane	9.269	97	408	0.354	ug/l #	40
60) Dibromochloromethane	9.275	129	39790	36.559	ug/l #	11
64) Tetrachloroethene	9.275	164	38032	40.044	ug/l	97
65) Chlorobenzene	10.079	112	5877	1.932	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	40913	21.723	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40913	63.131	ug/l #	5
91) 1,2-Dichlorobenzene	12.335	146	1586	0.650	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	604	0.405	ug/l	99
94) Hexachlorobutadiene	13.719	225	164	0.265	ug/l #	51
95) Naphthalene	13.780	128	1178	0.215	ug/l #	92

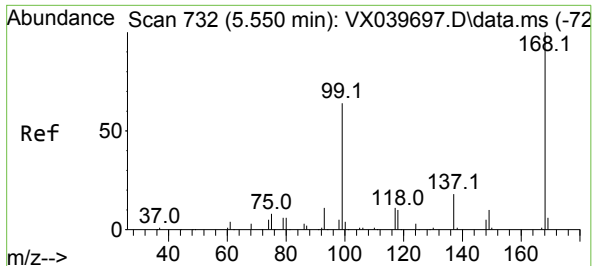
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
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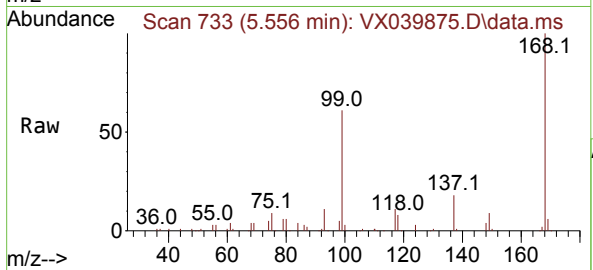


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

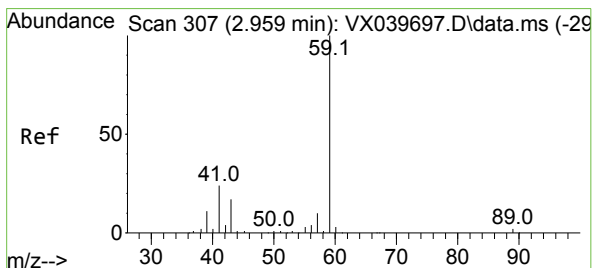
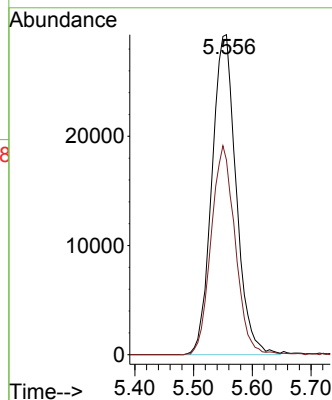
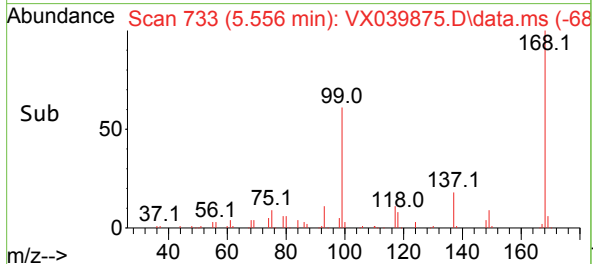
Instrument :

MSVOA_X

ClientSampleId :

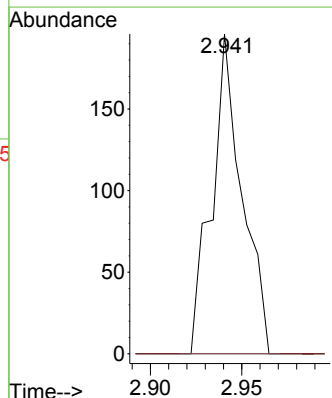
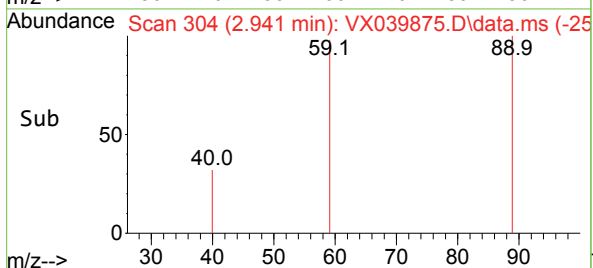
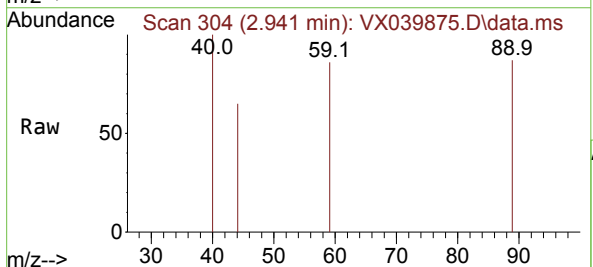


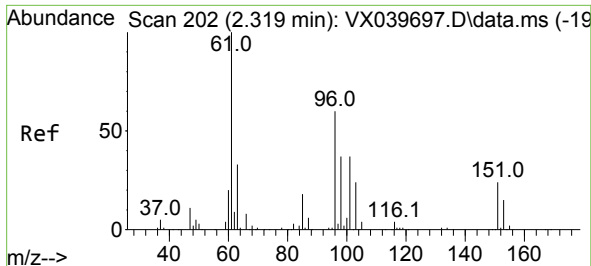
Tgt Ion:168 Resp: 83952
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.617 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 3.235 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX039875.D

Acq: 22 Jan 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

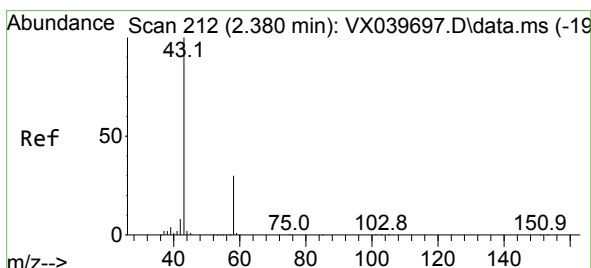
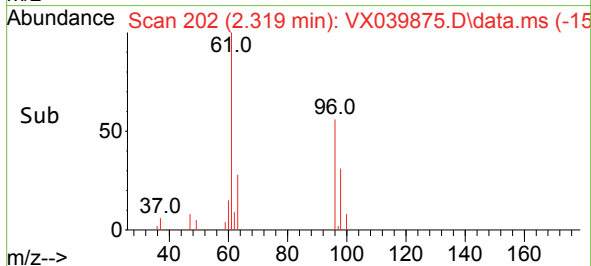
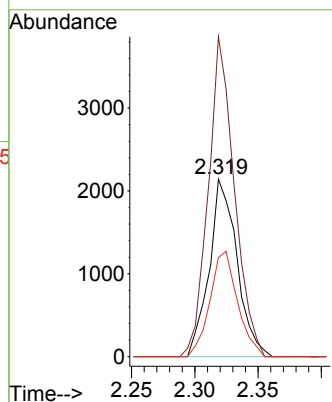
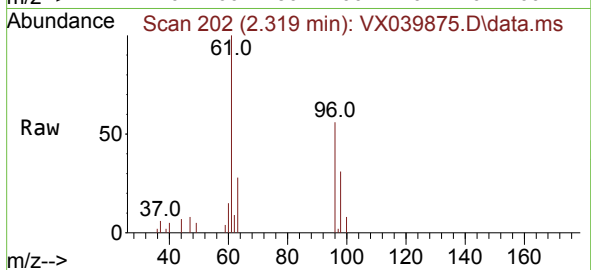
Tgt Ion: 96 Resp: 3269

Ion Ratio Lower Upper

96 100

61 180.1 144.6 216.8

98 55.9 50.4 75.6



#16

Acetone

Concen: 0.622 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX039875.D

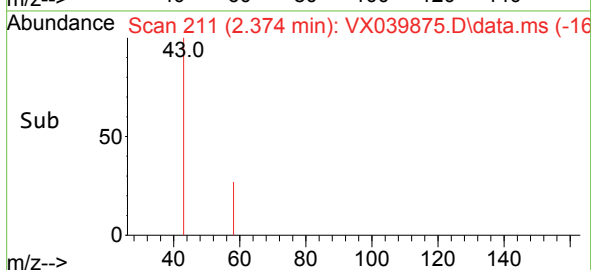
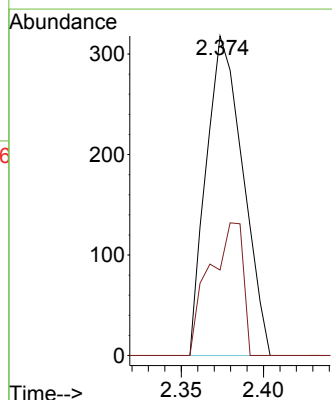
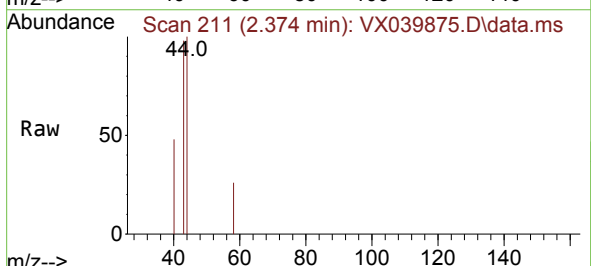
Acq: 22 Jan 2024 11:59

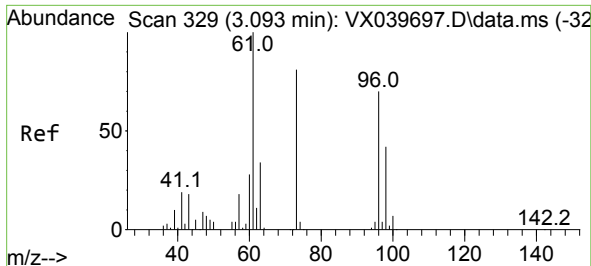
Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

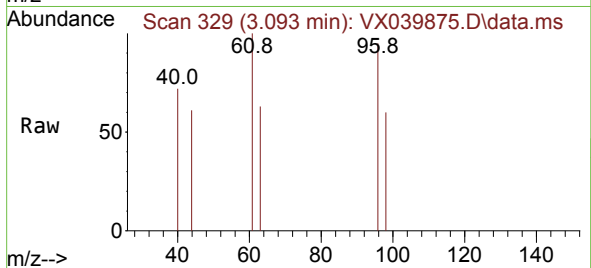
58 26.7 21.9 32.9



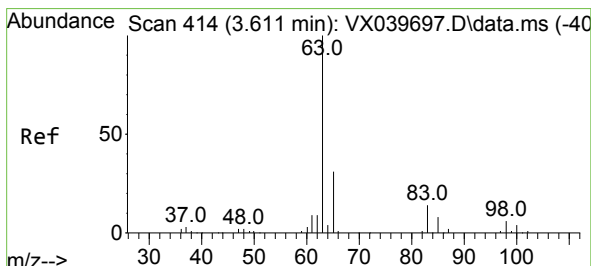
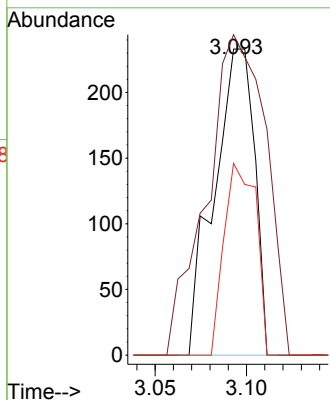
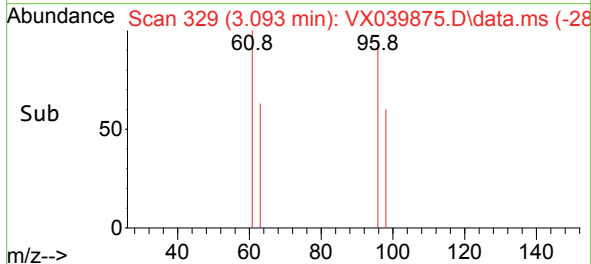


#21
trans-1,2-Dichloroethene
Concen: 0.339 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

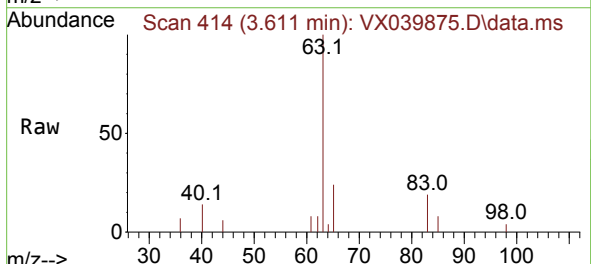
Instrument :
MSVOA_X
ClientSampleId :



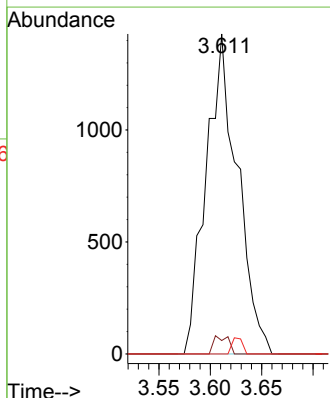
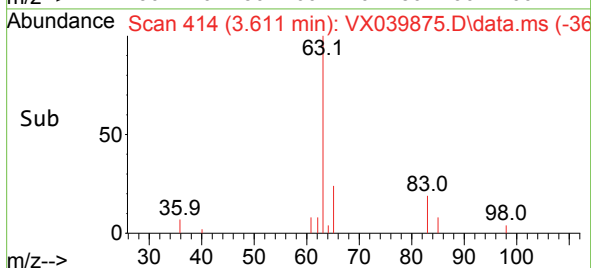
Tgt Ion: 96 Resp: 360
Ion Ratio Lower Upper
96 100
61 79.8 119.2 178.8#
98 62.7 48.7 73.1

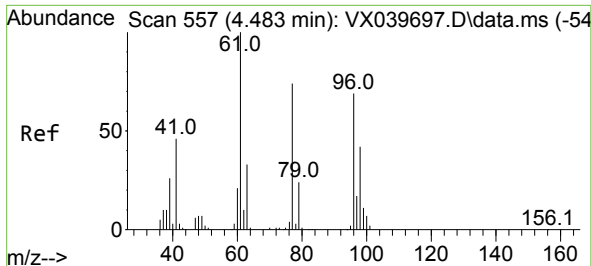


#24
1,1-Dichloroethane
Concen: 1.456 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59



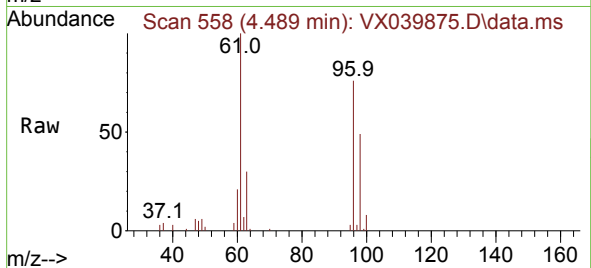
Tgt Ion: 63 Resp: 3039
Ion Ratio Lower Upper
63 100
98 4.2 3.3 9.8
100 0.0 2.1 6.5#



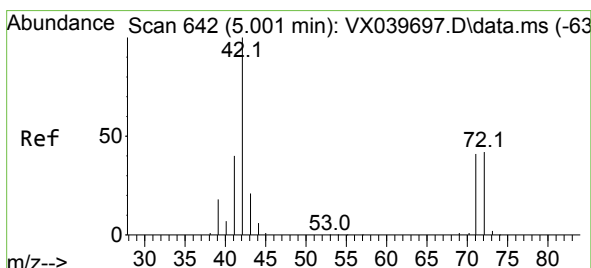
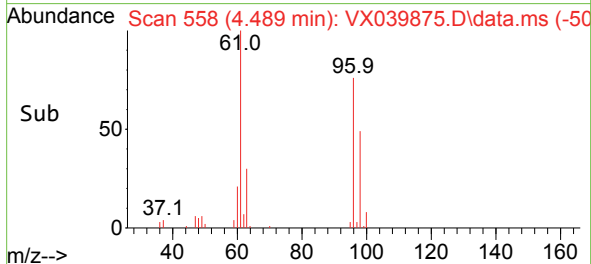
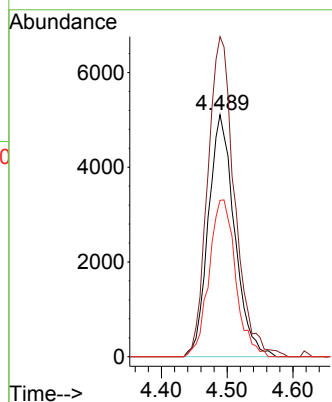


#27
cis-1,2-Dichloroethene
Concen: 11.592 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

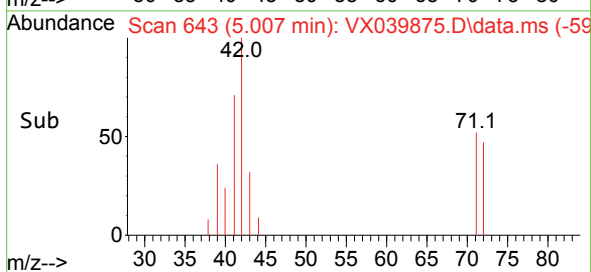
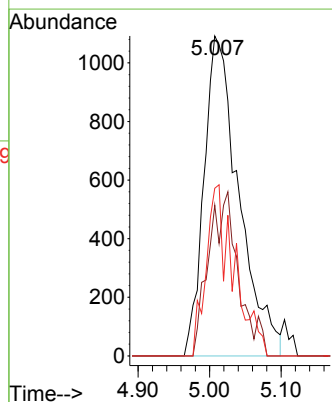
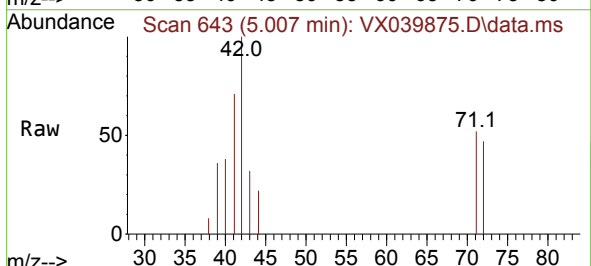


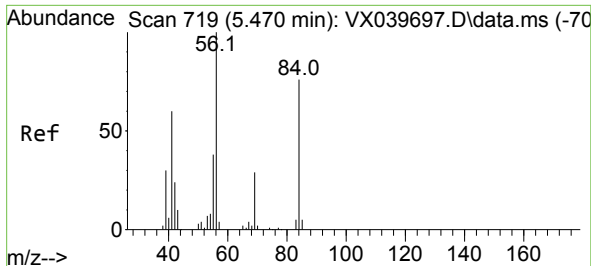
Tgt Ion: 96 Resp: 14137
Ion Ratio Lower Upper
96 100
61 135.8 0.0 312.2
98 65.7 0.0 129.0



#29
Tetrahydrofuran
Concen: 5.070 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.006 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

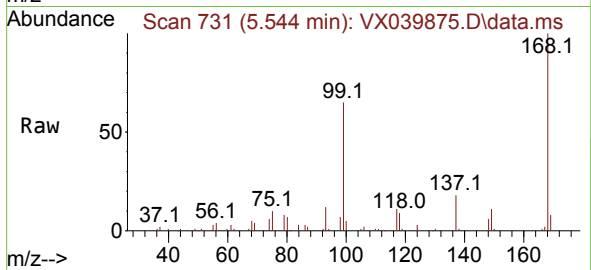
Tgt Ion: 42 Resp: 3709
Ion Ratio Lower Upper
42 100
72 43.8 34.2 51.4
71 42.5 32.2 48.2



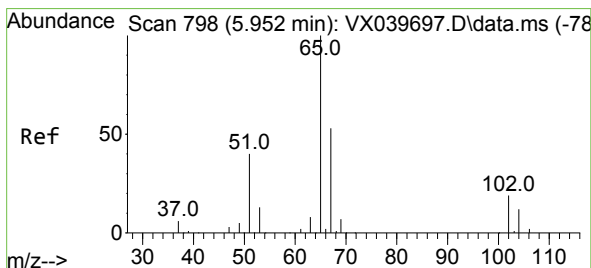
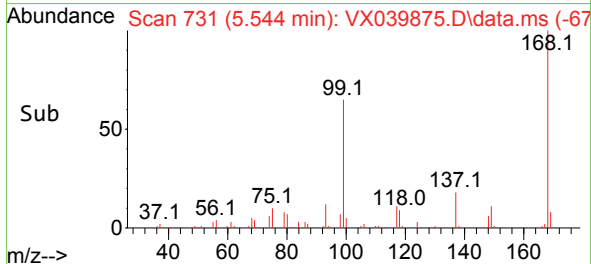
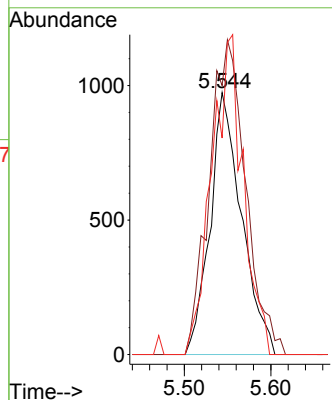


#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

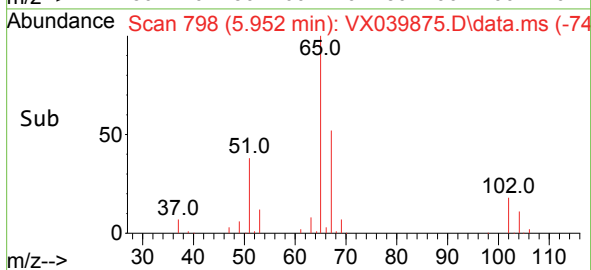
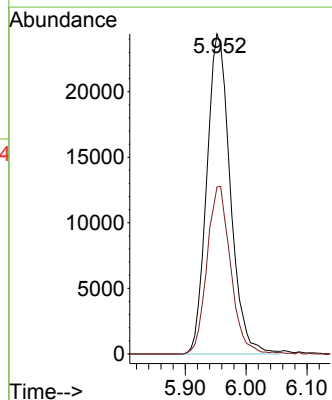
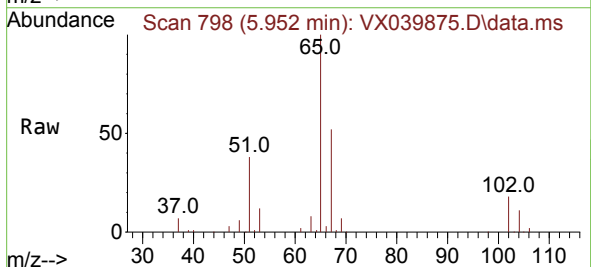


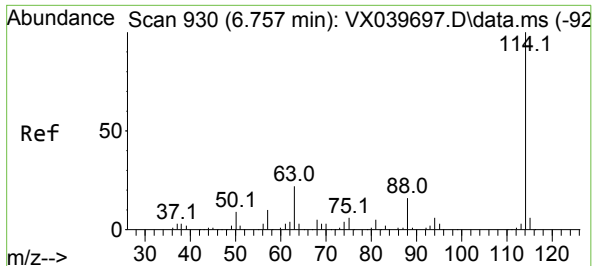
Tgt Ion: 56 Resp: 2460
Ion Ratio Lower Upper
56 100
69 102.7 23.4 35.2#
84 82.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.566 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion: 65 Resp: 65486
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

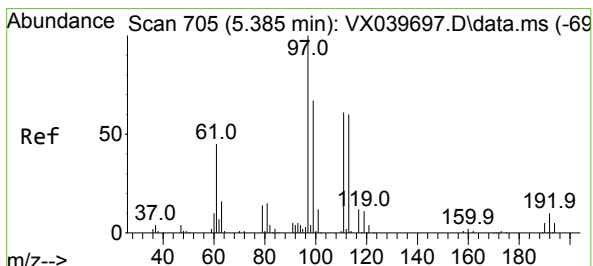
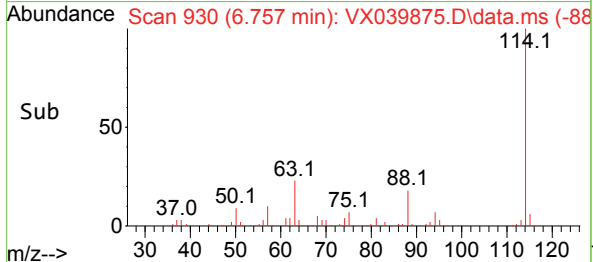
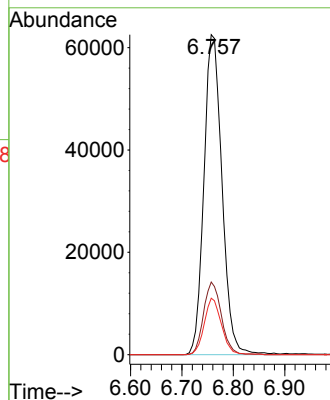
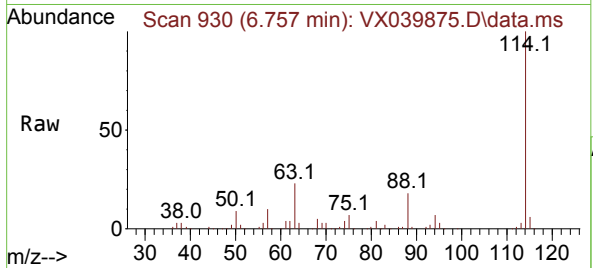




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

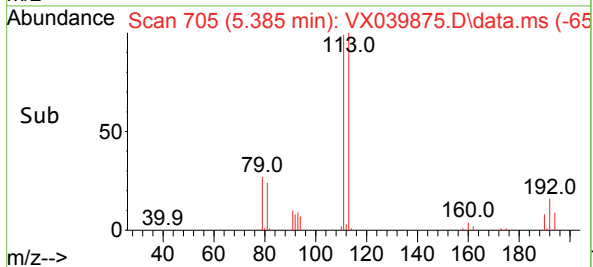
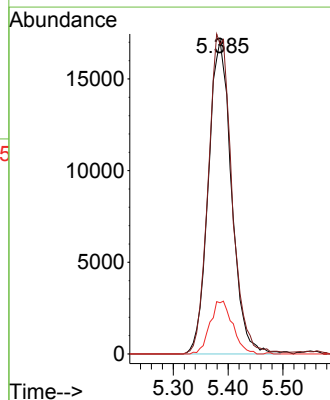
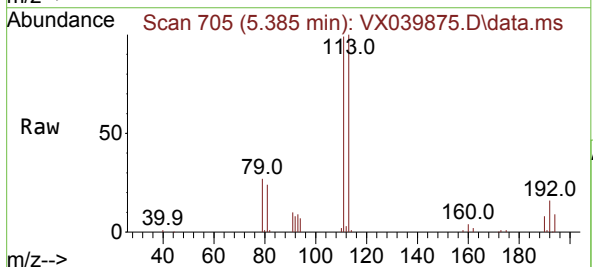
Instrument :
MSVOA_X
ClientSampleId :

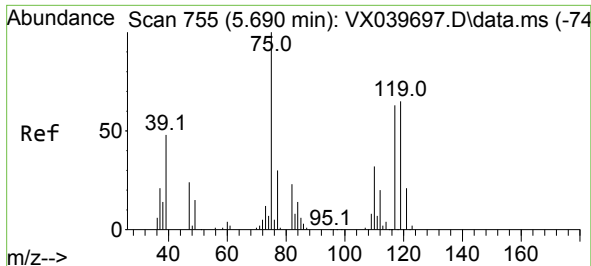
Tgt Ion:114 Resp: 152874
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.773 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

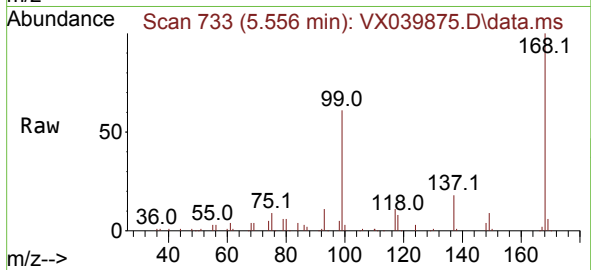
Tgt Ion:113 Resp: 50220
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 16.5 13.3 19.9



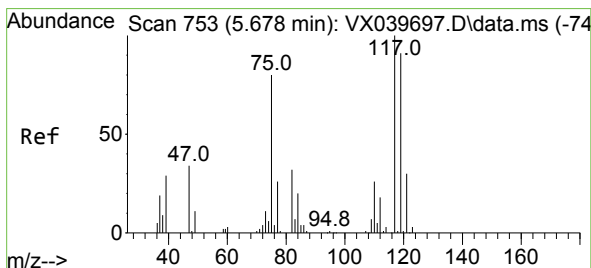
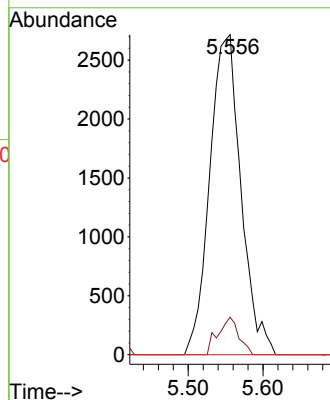
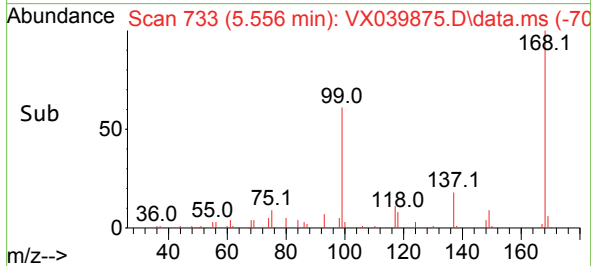


#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

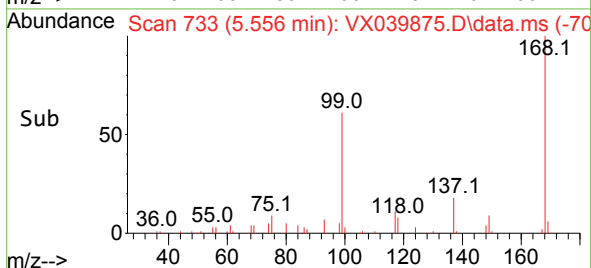
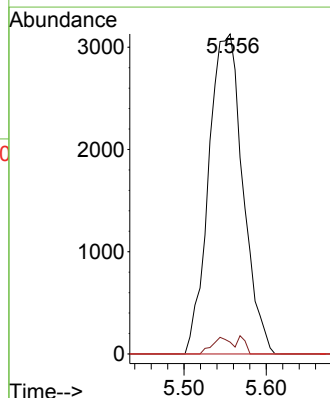
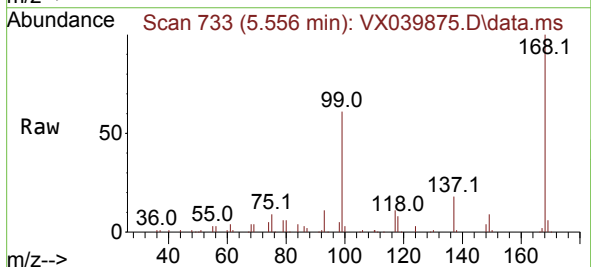


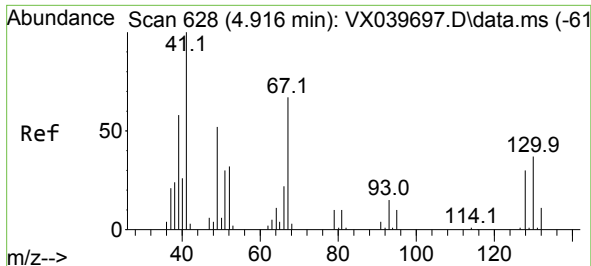
Tgt Ion: 75 Resp: 7894
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion: 117 Resp: 9039
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#

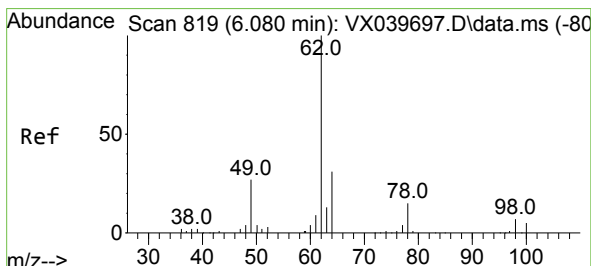
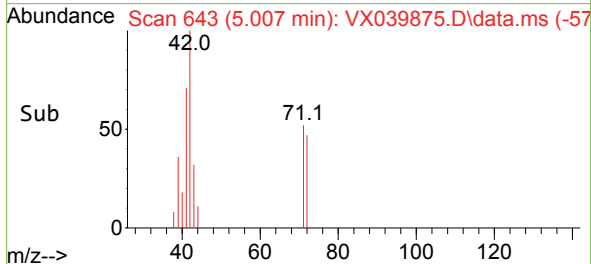
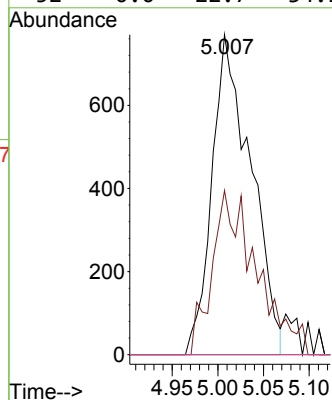
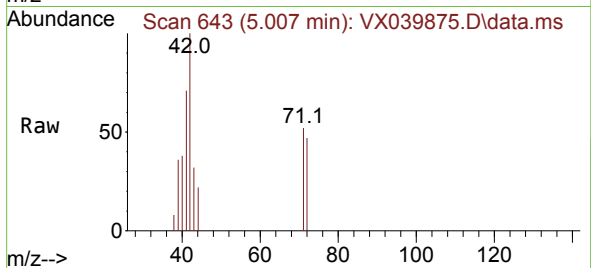




#41
Methacrylonitrile
Concen: 2.180 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.091 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

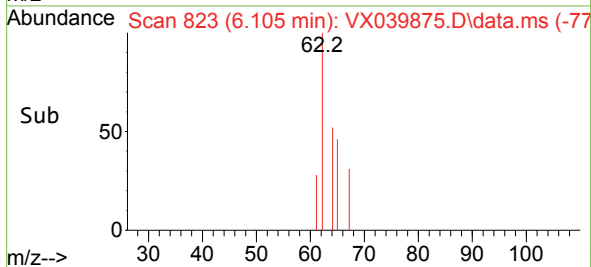
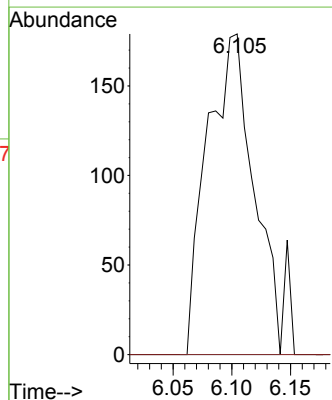
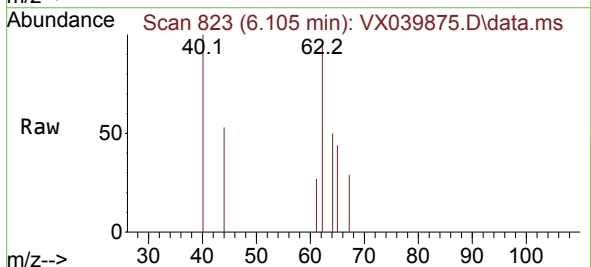
Instrument :
MSVOA_X
ClientSampleId :

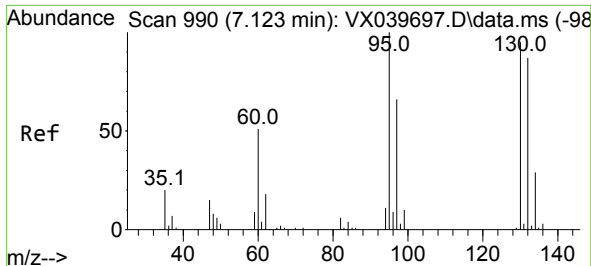
Tgt Ion: 41 Resp: 2279
Ion Ratio Lower Upper
41 100
39 58.5 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.024 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

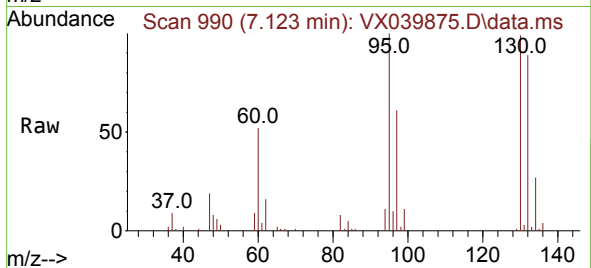
Tgt Ion: 62 Resp: 493
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



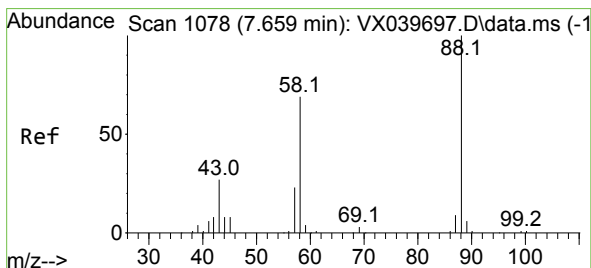
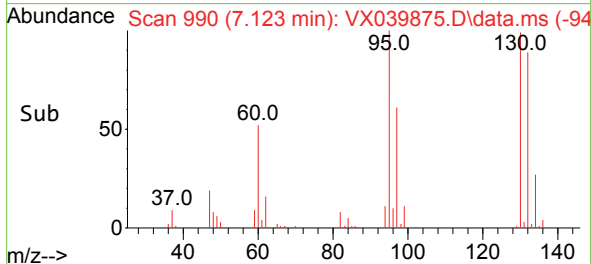
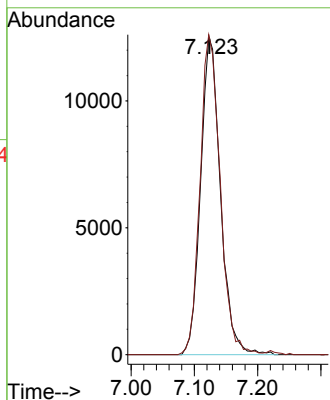


#44
Trichloroethene
Concen: 24.577 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

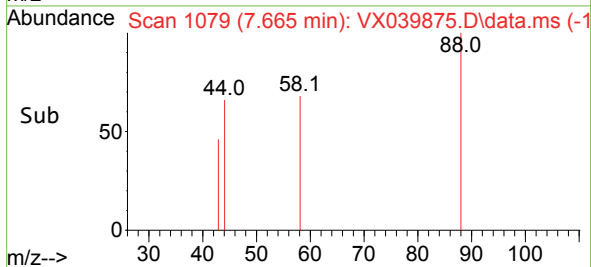
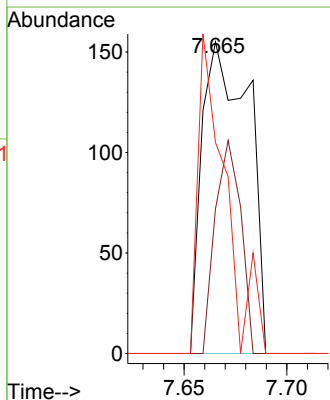
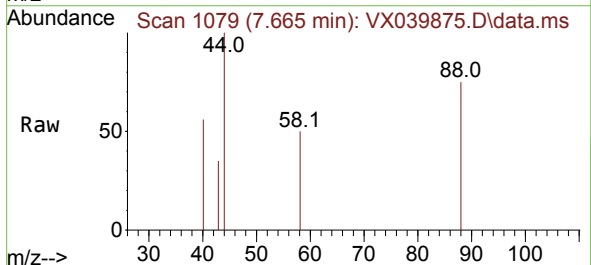


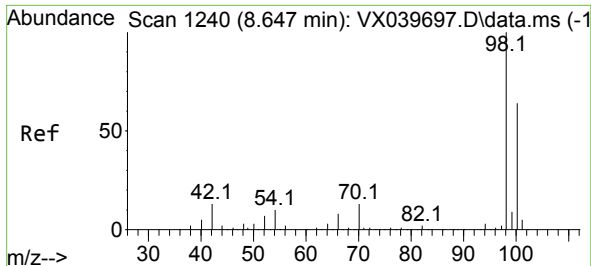
Tgt Ion:130 Resp: 27336
Ion Ratio Lower Upper
130 100
95 100.6 0.0 204.4



#49
1,4-Dioxane
Concen: 8.146 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 37.9 0.0 0.0#
58 60.5 60.1 90.1





#50

Toluene-d8

Concen: 48.548 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039875.D

Acq: 22 Jan 2024 11:59

Instrument :

MSVOA_X

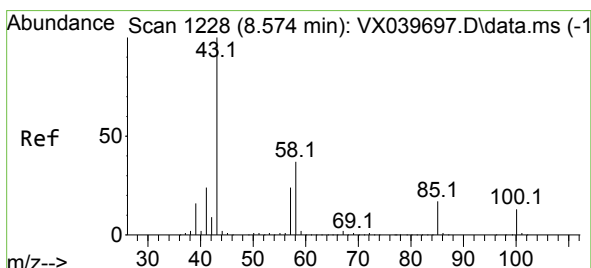
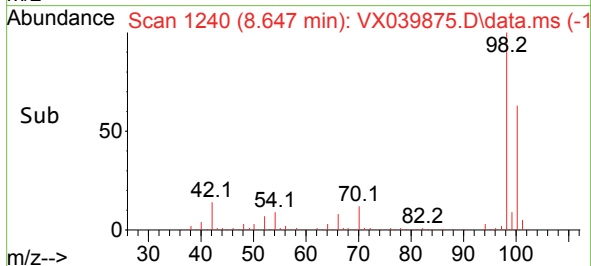
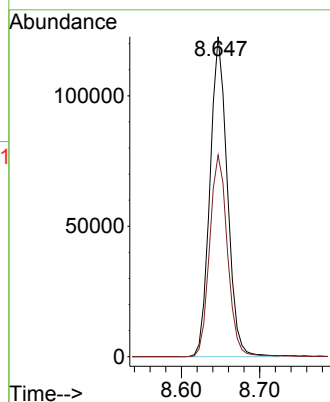
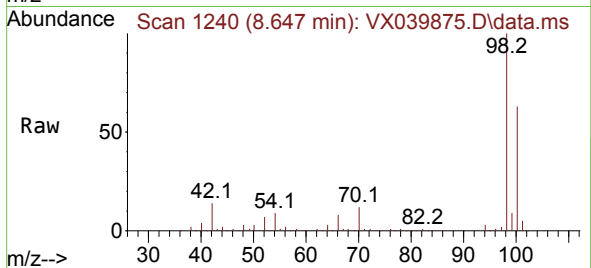
ClientSampleId :

Tgt Ion: 98 Resp: 188534

Ion Ratio Lower Upper

98 100

100 64.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.424 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX039875.D

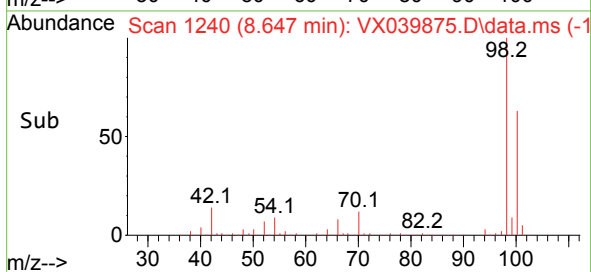
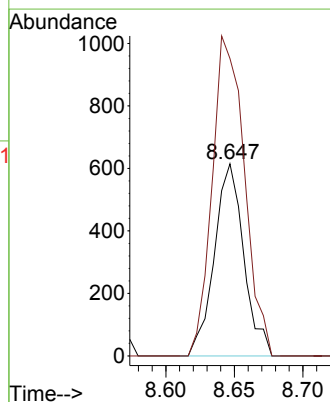
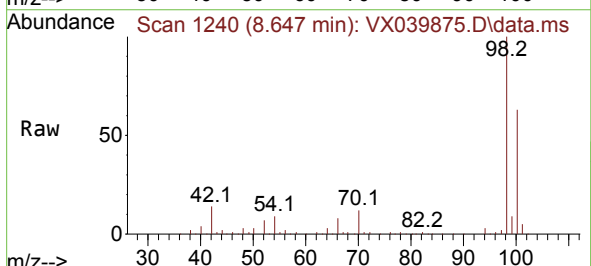
Acq: 22 Jan 2024 11:59

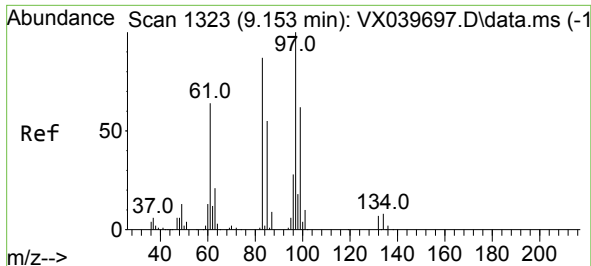
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

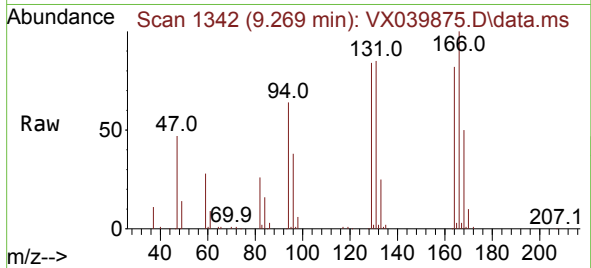
58 182.6 30.4 45.6#



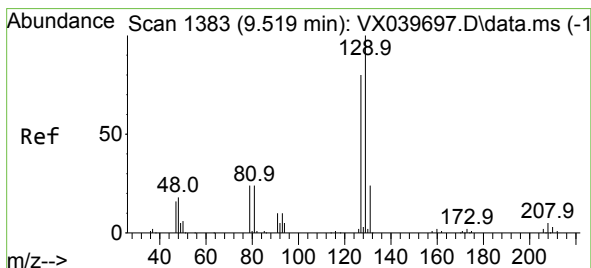
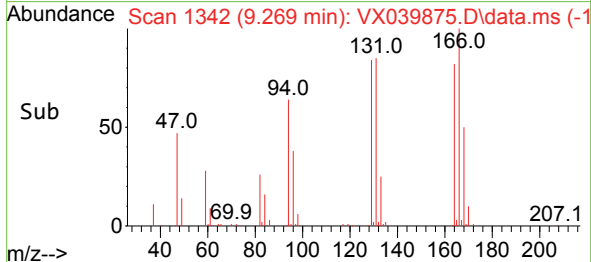
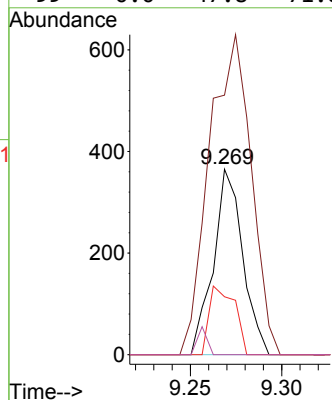


#55
1,1,2-Trichloroethane
Concen: 0.354 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.116 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

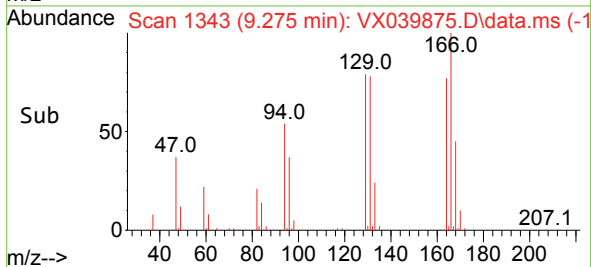
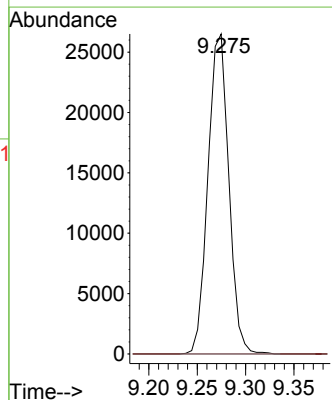
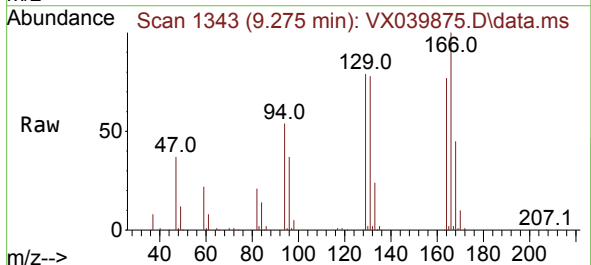


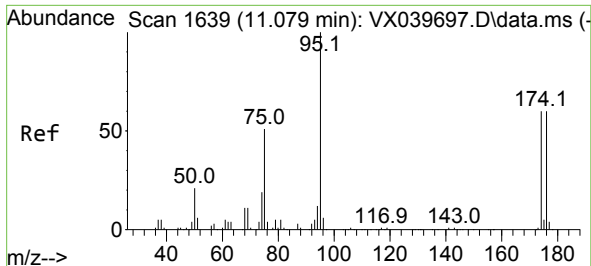
Tgt Ion: 97	Resp: 408
Ion Ratio	Lower Upper
97	100
83	140.0 65.8 98.8#
85	31.2 41.6 62.4#
99	0.0 47.8 71.8#



#60
Dibromochloromethane
Concen: 36.559 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion: 129	Resp: 39790
Ion Ratio	Lower Upper
129	100
127	0.0 38.8 116.4#

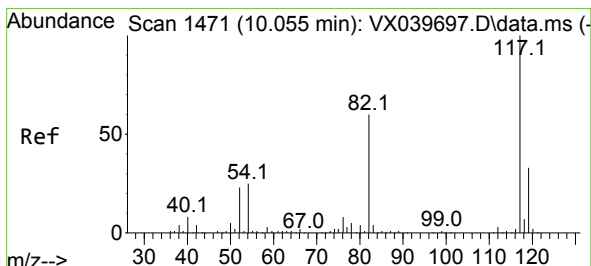
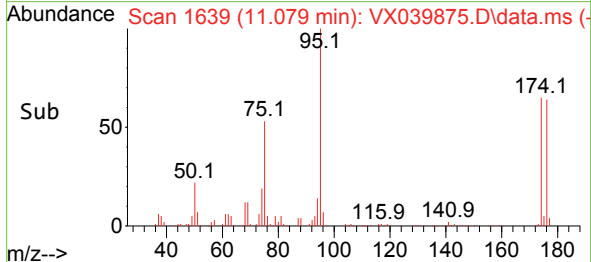
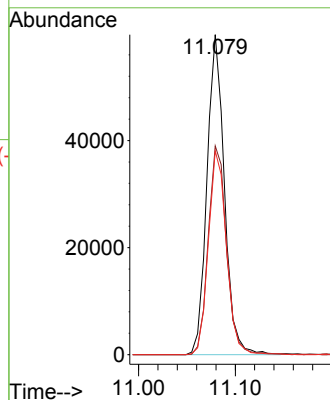
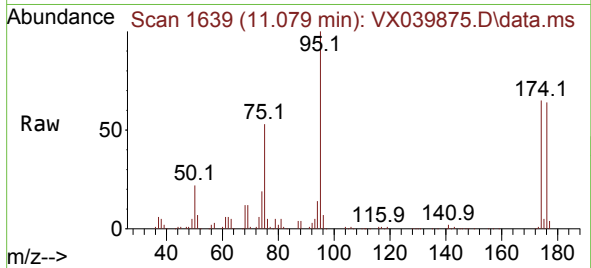




#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

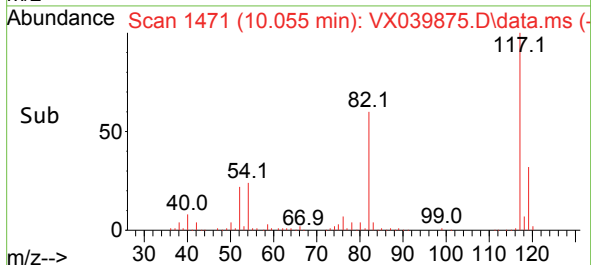
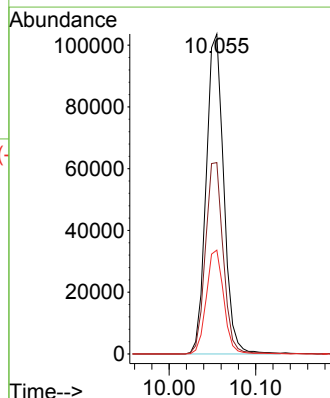
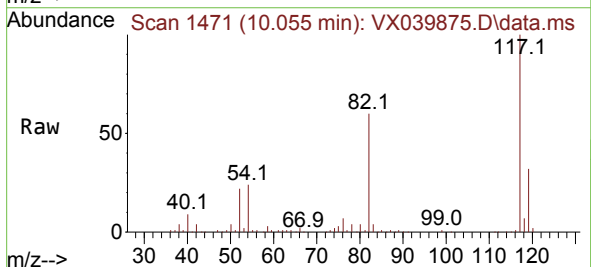
Instrument :
MSVOA_X
ClientSampleId :

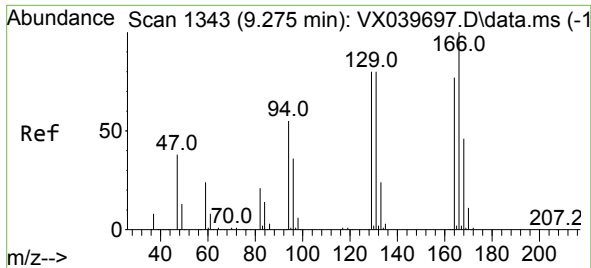
Tgt Ion: 95 Resp: 75126
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.6
176 66.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

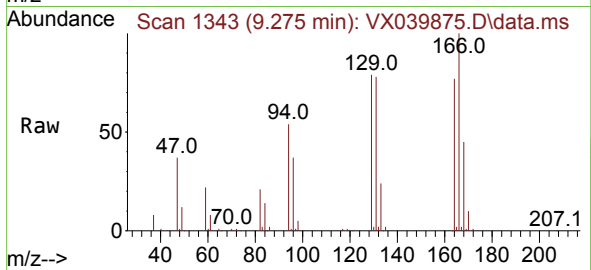
Tgt Ion: 117 Resp: 146050
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.5 25.5 38.3



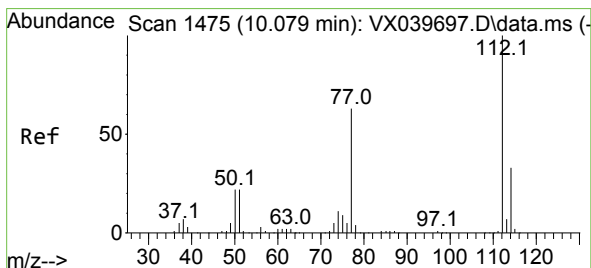
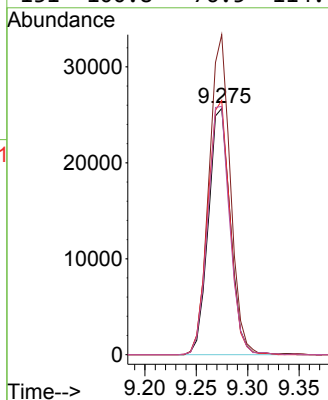
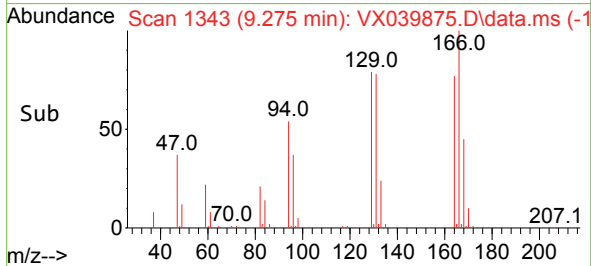


#64
Tetrachloroethene
Concen: 40.044 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :

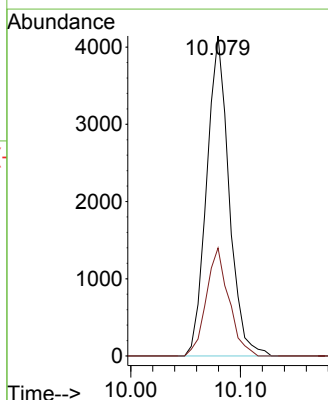
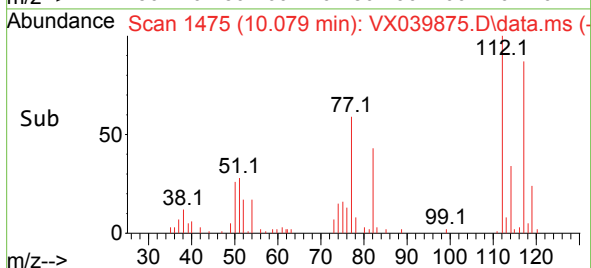
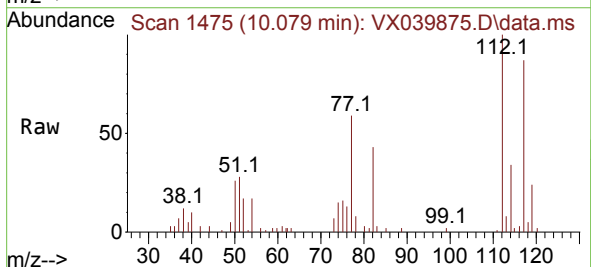


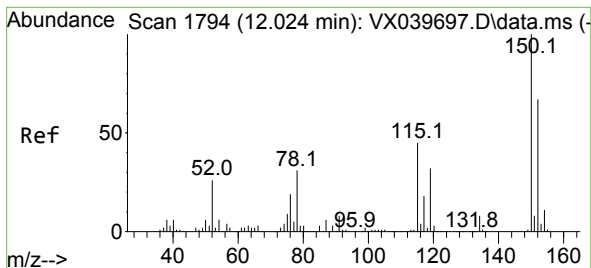
Tgt Ion:164 Resp: 38032
Ion Ratio Lower Upper
164 100
166 129.9 102.7 154.1
129 103.2 80.4 120.6
131 100.8 76.5 114.7



#65
Chlorobenzene
Concen: 1.932 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion:112 Resp: 5877
Ion Ratio Lower Upper
112 100
114 33.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039875.D

Acq: 22 Jan 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

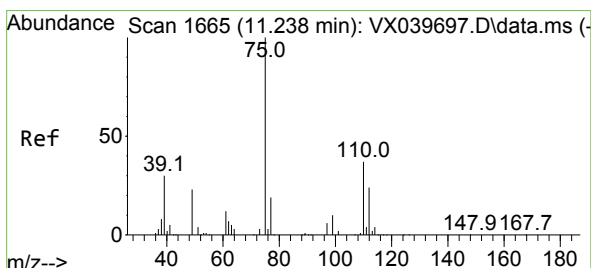
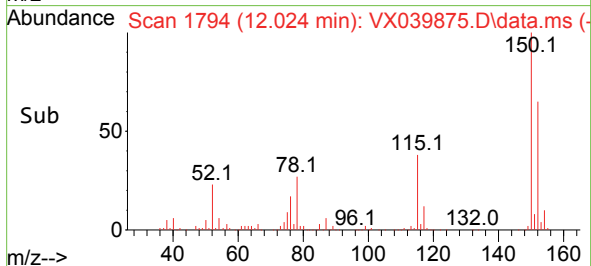
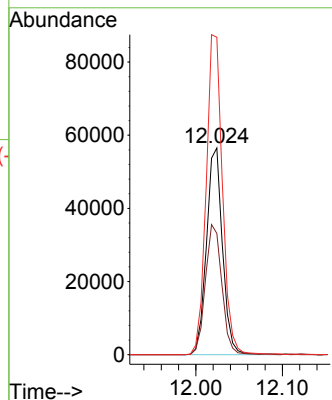
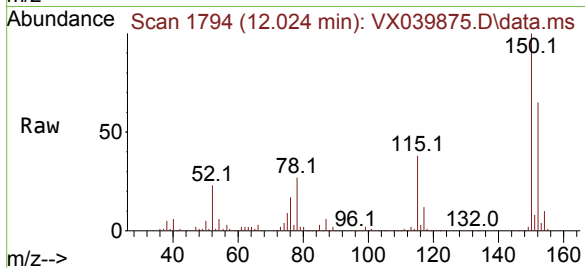
Tgt Ion:152 Resp: 72644

Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 157.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.723 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039875.D

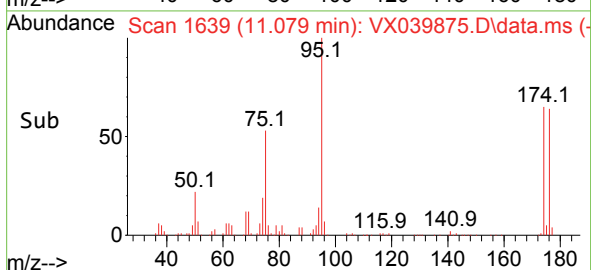
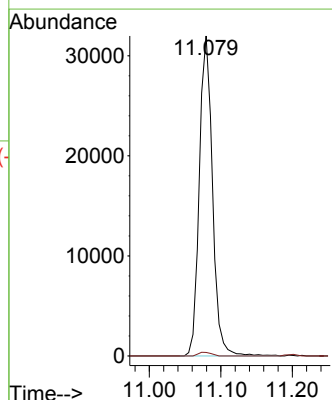
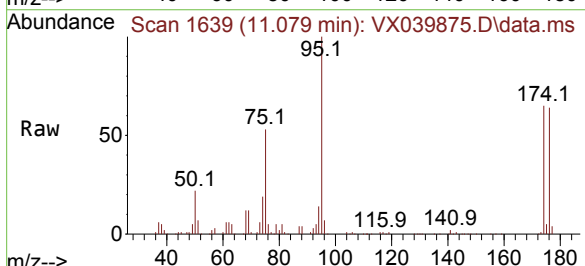
Acq: 22 Jan 2024 11:59

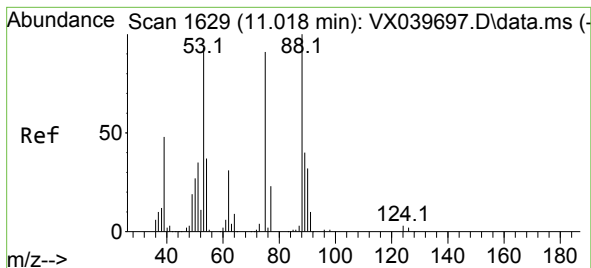
Tgt Ion: 75 Resp: 40913

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

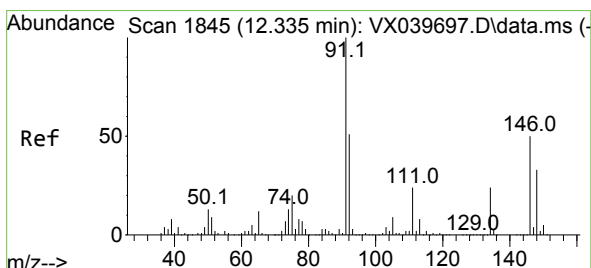
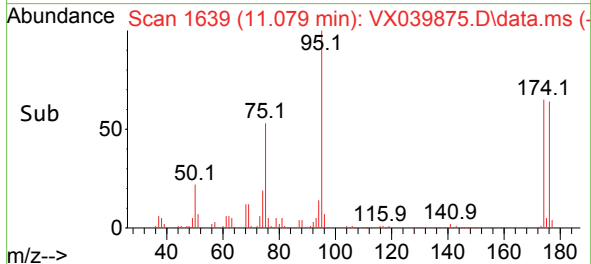
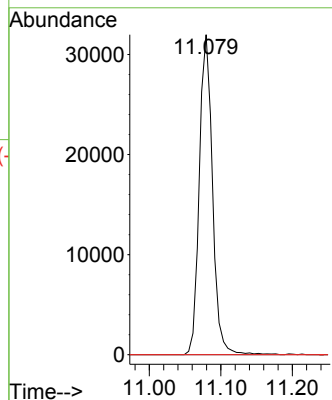
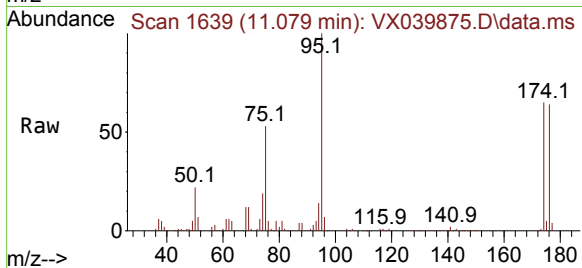




#81
trans-1,4-Dichloro-2-butene
Concen: 63.131 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

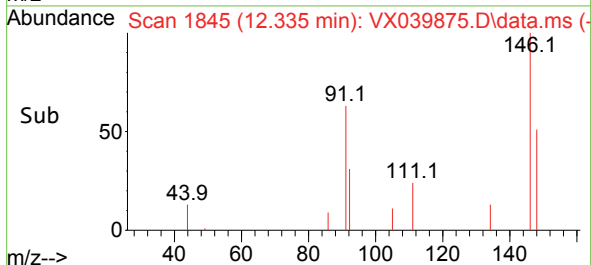
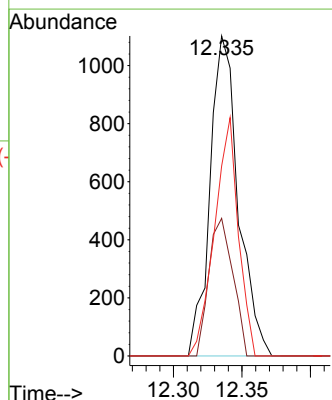
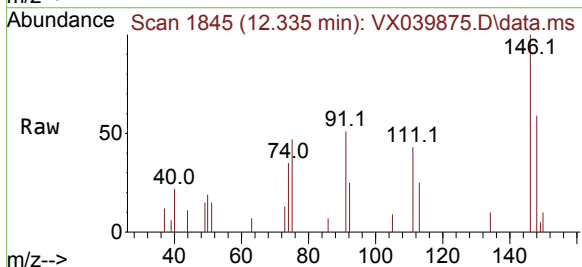
Instrument :
MSVOA_X
ClientSampleId :

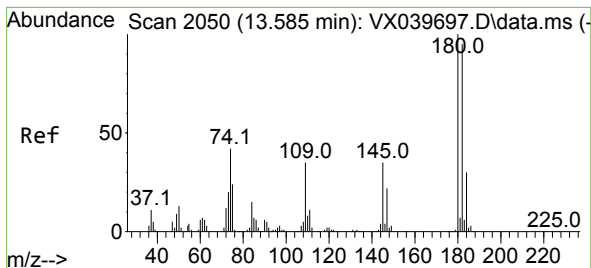
Tgt Ion: 75 Resp: 40913
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#91
1,2-Dichlorobenzene
Concen: 0.650 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Tgt Ion:146 Resp: 1586
Ion Ratio Lower Upper
146 100
111 36.5 22.4 67.0
148 62.3 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.405 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039875.D

Acq: 22 Jan 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

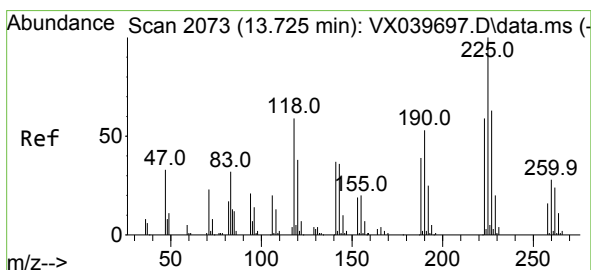
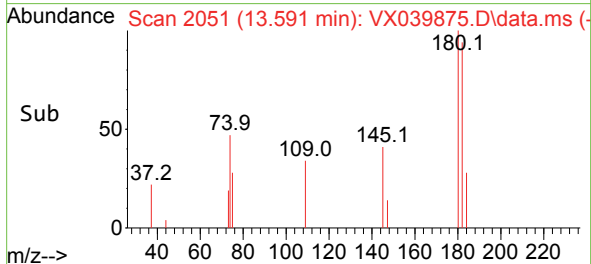
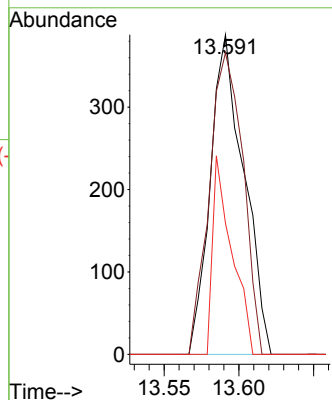
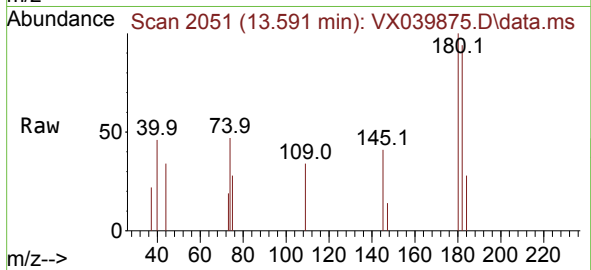
Tgt Ion:180 Resp: 604

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

145 35.6 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.265 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX039875.D

Acq: 22 Jan 2024 11:59

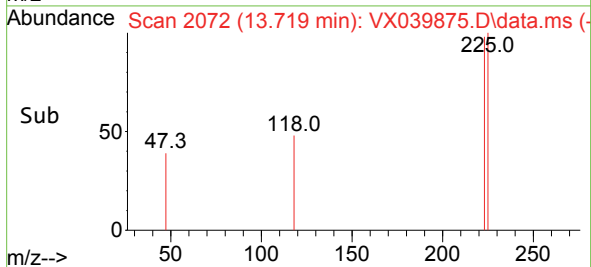
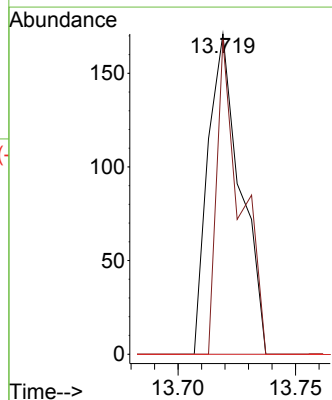
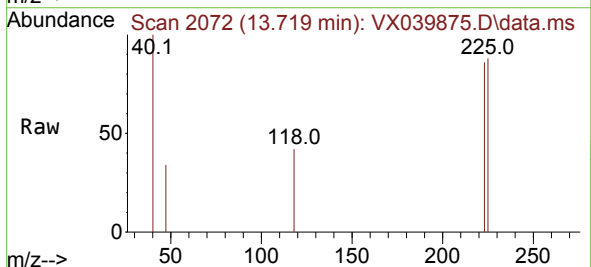
Tgt Ion:225 Resp: 164

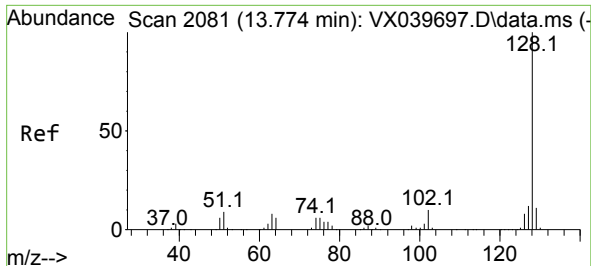
Ion Ratio Lower Upper

225 100

223 72.6 31.1 93.2

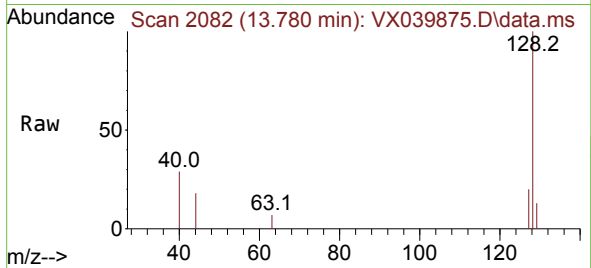
227 0.0 32.5 97.5#





#95
Naphthalene
Concen: 0.215 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039875.D
Acq: 22 Jan 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1178
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.3	15.5#
129	8.1	8.8	13.2#

