

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040766.D
 Acq On : 22 Mar 2024 00:15
 Operator : JC/MD
 Sample : P1616-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

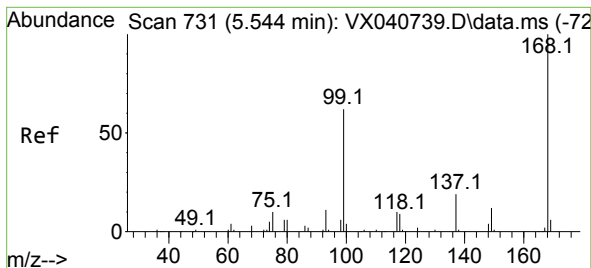
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:05:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	47858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	85335	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	83248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39953	49.649	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.300%
35) Dibromofluoromethane	5.385	113	29443	46.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.220%
50) Toluene-d8	8.647	98	108503	49.627	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.260%
62) 4-Bromofluorobenzene	11.079	95	43308	50.137	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.280%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.173	62	142	0.237	ug/l #	43
6) Chloroethane	1.672	64	209	0.496	ug/l #	43
11) Tert butyl alcohol	2.941	59	1789	13.883	ug/l #	95
14) Allyl chloride	2.782	41	264	0.261	ug/l #	24
16) Acetone	2.374	43	15200	53.327	ug/l	98
18) Methyl Acetate	2.709	43	384	0.503	ug/l #	53
20) Methylene Chloride	2.794	84	8711	13.981	ug/l	94
25) 2-Butanone	4.556	43	6806	15.245	ug/l	94
30) Chloroform	5.099	83	2720	2.238	ug/l #	79
31) Cyclohexane	5.550	56	1282	1.341	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	4468	4.752	ug/l #	50
37) Ethyl Acetate	4.721	43	473	0.443	ug/l #	69
38) Carbon Tetrachloride	5.556	117	5186	4.901	ug/l #	17
43) Isopropyl Acetate	6.336	43	24016	14.326	ug/l	96
47) Bromodichloromethane	7.818	83	842	0.854	ug/l #	85
48) Methyl methacrylate	7.793	41	20920	27.303	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	15634	15.038	ug/l #	50
54) cis-1,3-Dichloropropene	8.543	75	5884	5.580	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	702	0.652	ug/l #	42
59) 2-Hexanone	9.433	43	3168	3.934	ug/l	91
60) Dibromochloromethane	9.519	129	153	0.206	ug/l	71
76) 1,2,3-Trichloropropane	11.079	75	25935	26.903	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	25935	68.060	ug/l #	5
95) Naphthalene	13.780	128	811	0.234	ug/l #	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX040766.D

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Instrument :

MSVOA_X

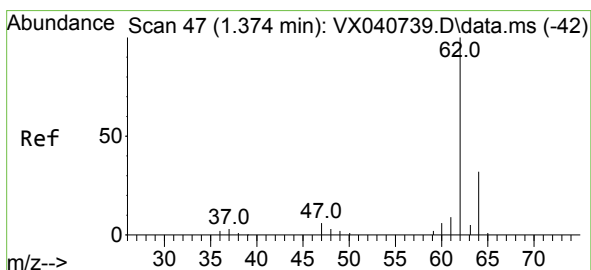
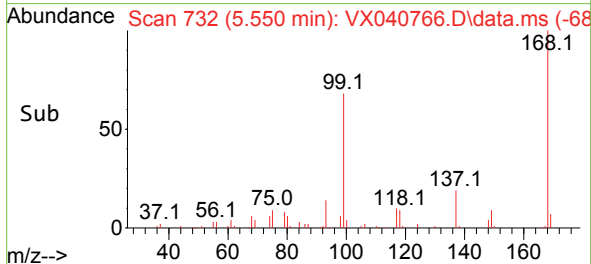
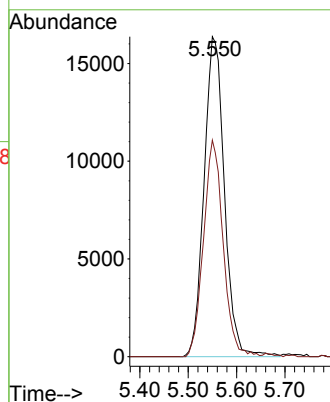
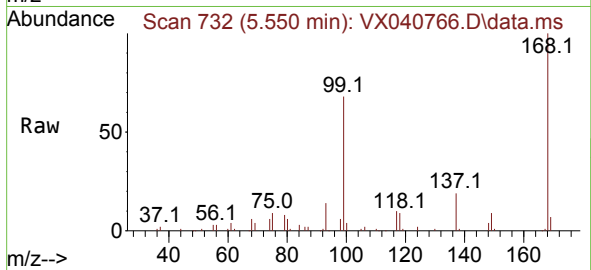
ClientSampleId :

Tgt Ion:168 Resp: 47858

Ion Ratio Lower Upper

168 100

99 67.7 56.6 85.0



#4

Vinyl Chloride

Concen: 0.237 ug/l

RT: 1.173 min Scan# 14

Delta R.T. -0.201 min

Lab File: VX040766.D

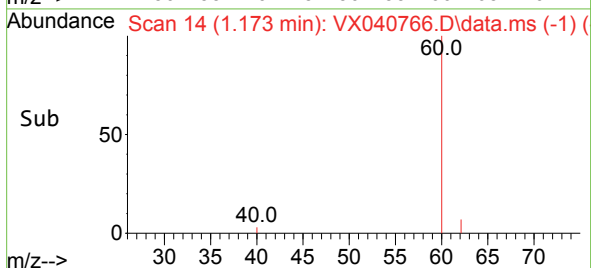
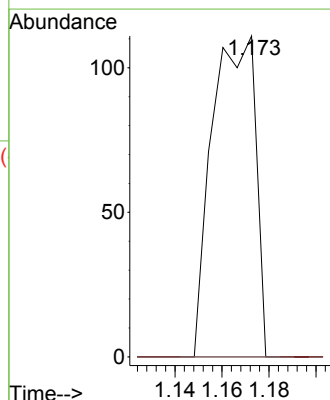
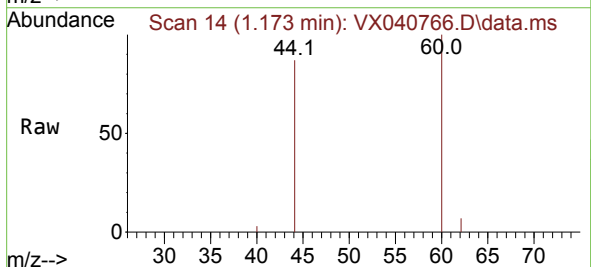
Acq: 22 Mar 2024 00:15

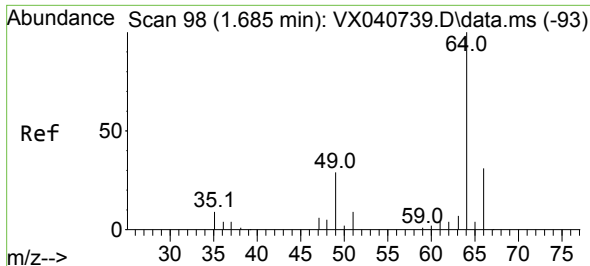
Tgt Ion: 62 Resp: 142

Ion Ratio Lower Upper

62 100

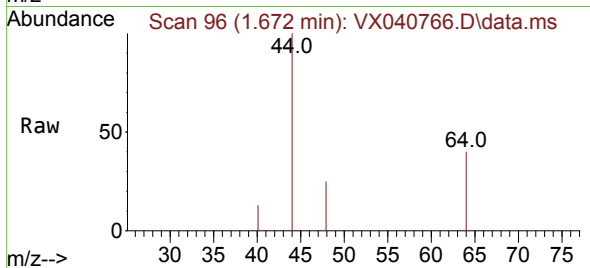
64 0.0 25.4 38.0#



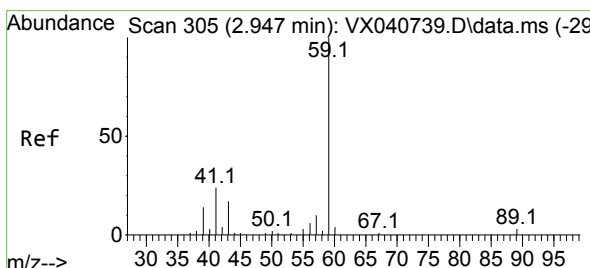
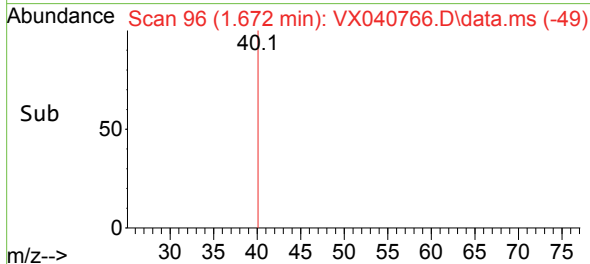
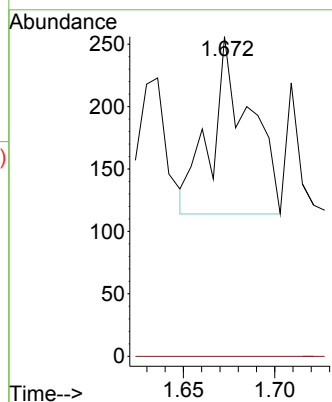


#6
Chloroethane
Concen: 0.496 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Instrument :
MSVOA_X
ClientSampleId :

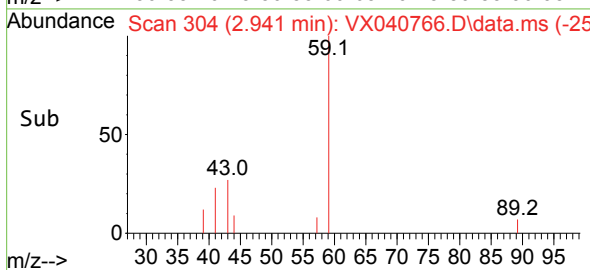
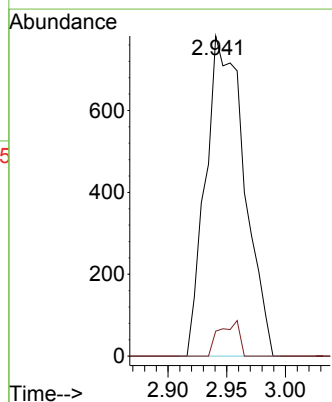
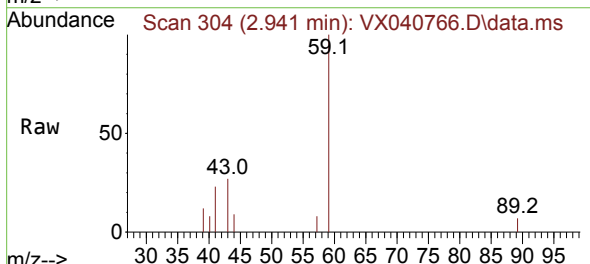


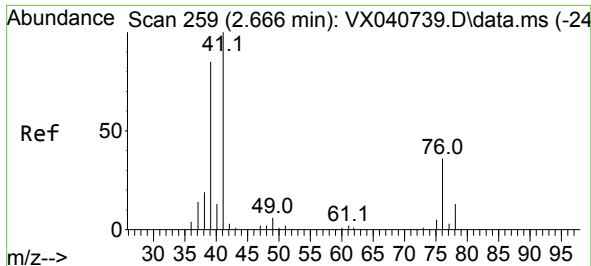
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 13.883 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

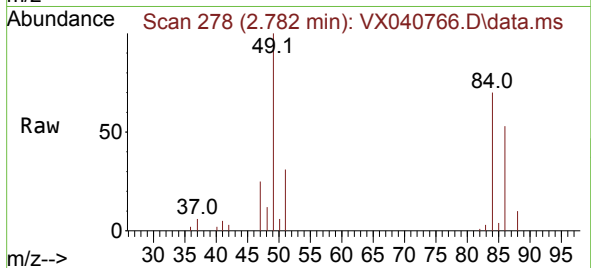
Tgt Ion: 59 Resp: 1789
Ion Ratio Lower Upper
59 100
57 5.7 6.0 9.0#



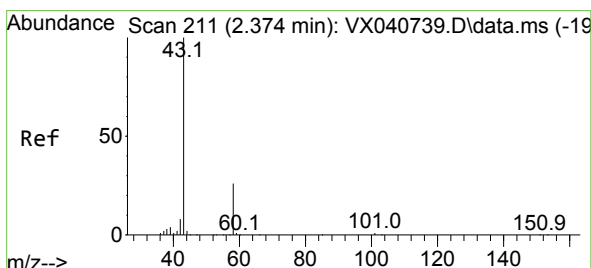
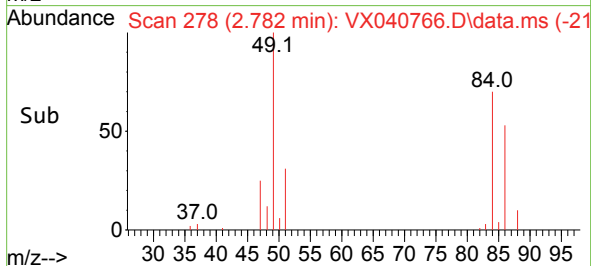
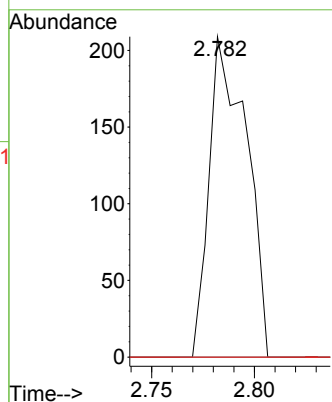


#14
 Allyl chloride
 Concen: 0.261 ug/l
 RT: 2.782 min Scan# 211
 Delta R.T. 0.116 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15

Instrument :
 MSVOA_X
 ClientSampleId :

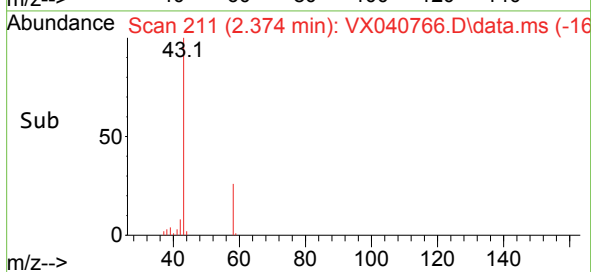
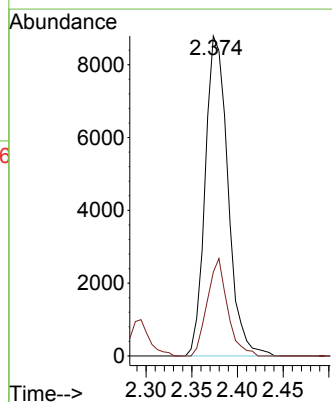
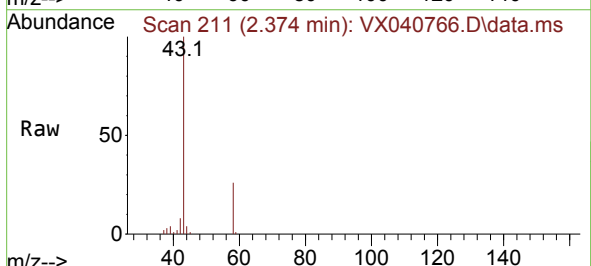


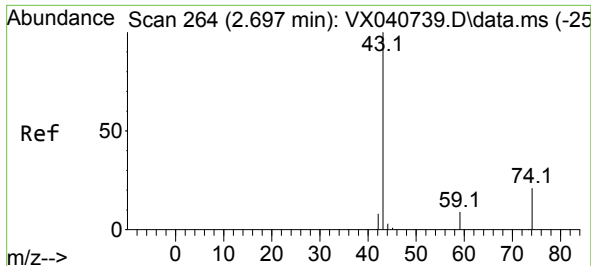
Tgt Ion: 41 Resp: 264
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 53.327 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15

Tgt Ion: 43 Resp: 15200
 Ion Ratio Lower Upper
 43 100
 58 26.2 21.9 32.9

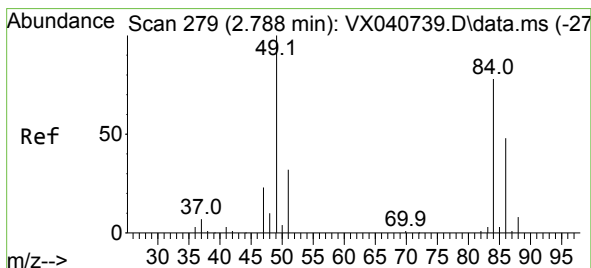
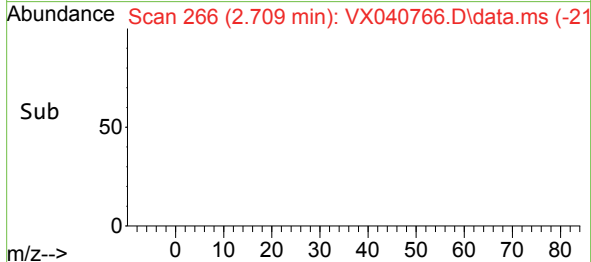
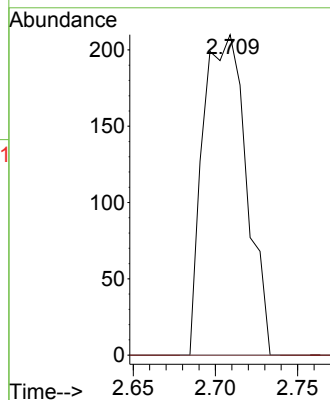
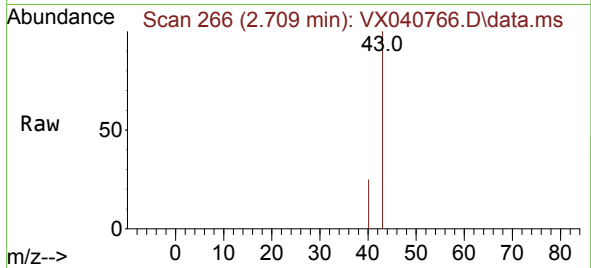




#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

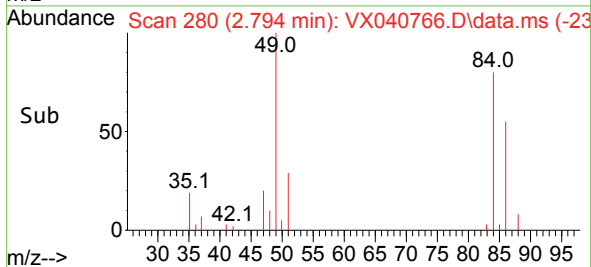
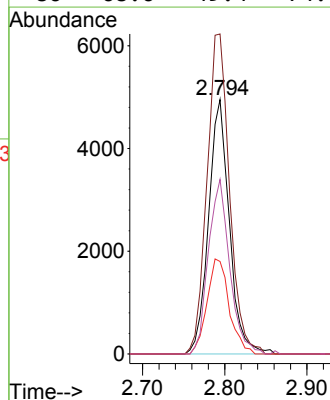
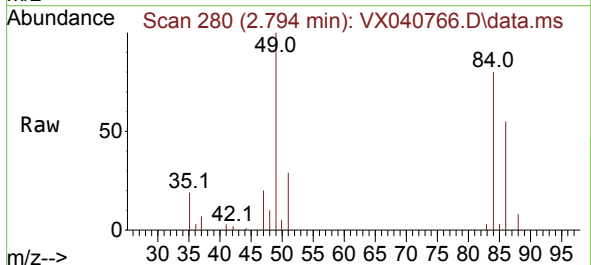
Instrument :
MSVOA_X
ClientSampleId :

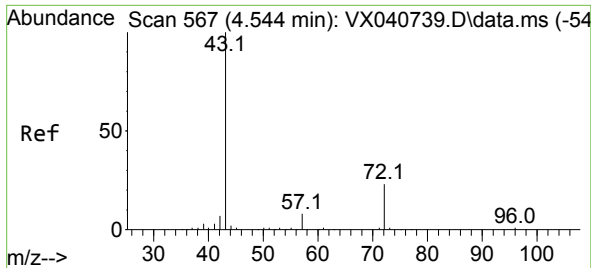
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 13.981 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Tgt Ion: 84 Resp: 8711
Ion Ratio Lower Upper
84 100
49 125.8 103.6 155.4
51 36.3 33.8 50.6
86 68.6 49.4 74.0

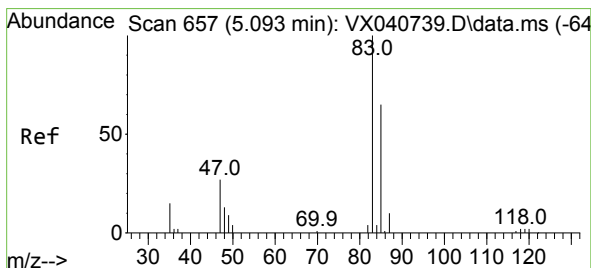
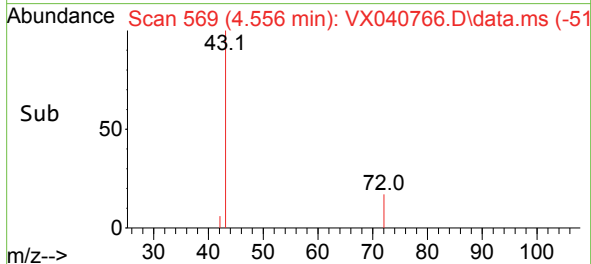
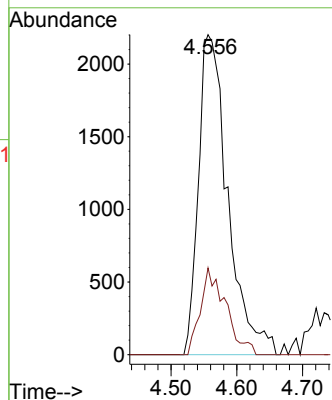
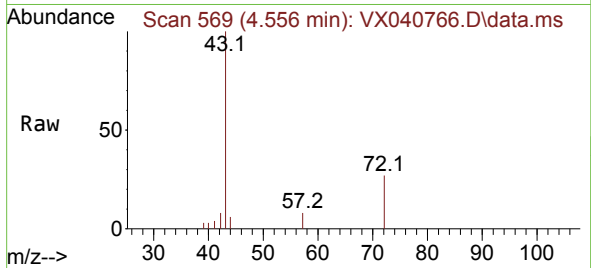




#25
2-Butanone
Concen: 15.245 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

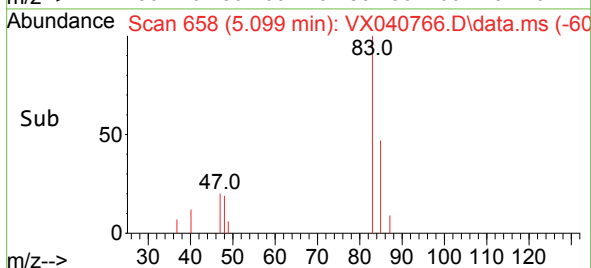
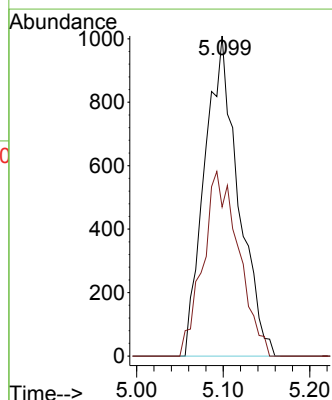
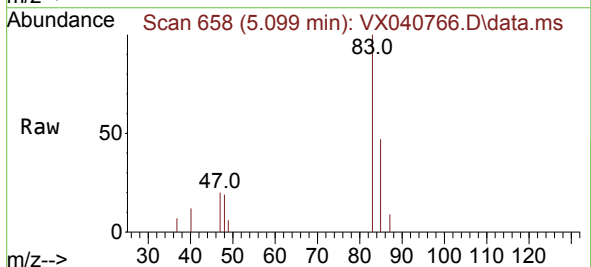
Instrument :
MSVOA_X
ClientSampleId :

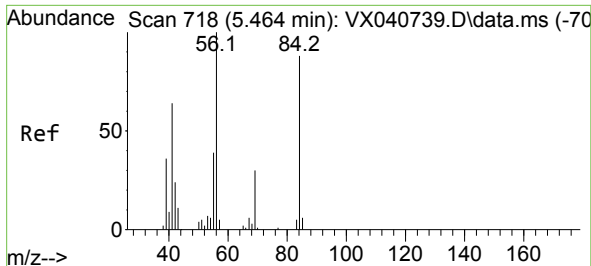
Tgt Ion: 43 Resp: 6806
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#30
Chloroform
Concen: 2.238 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

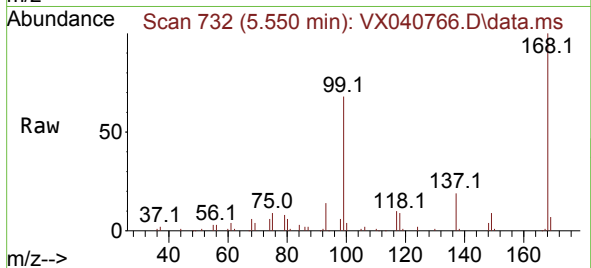
Tgt Ion: 83 Resp: 2720
Ion Ratio Lower Upper
83 100
85 46.6 50.3 75.5#



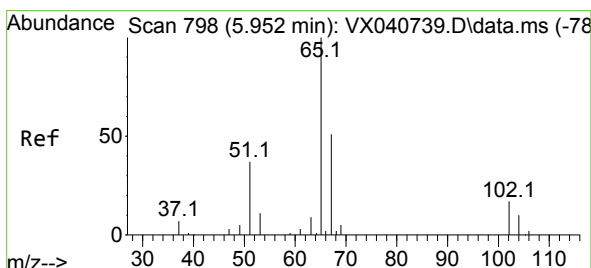
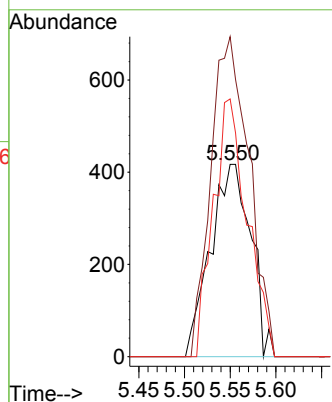
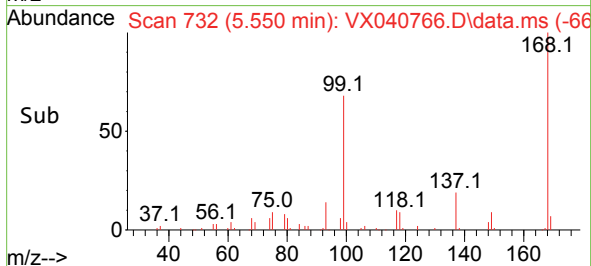


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Instrument :
MSVOA_X
ClientSampleId :

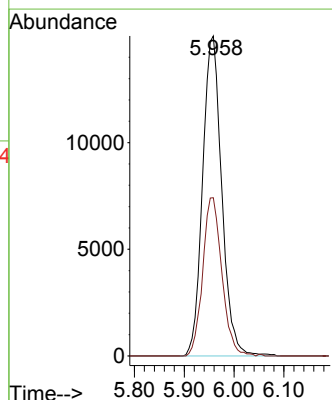
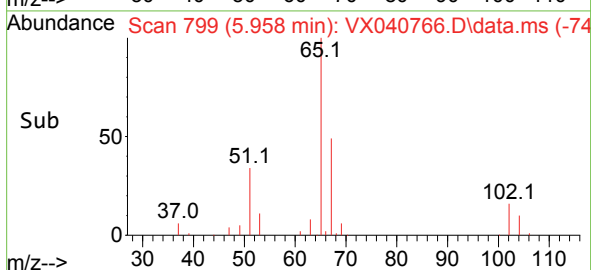
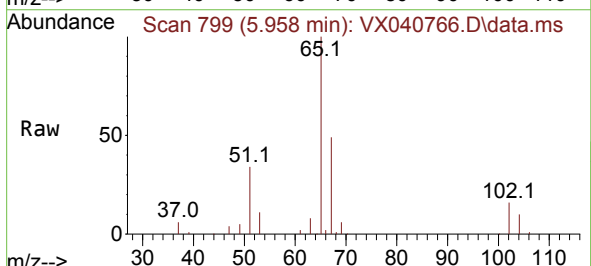


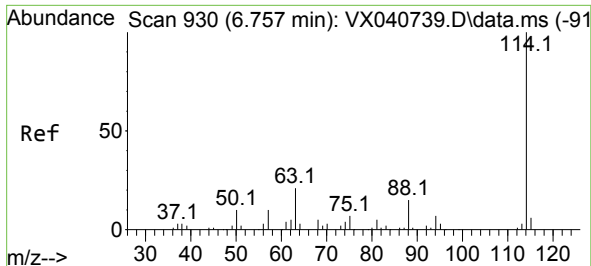
Tgt Ion: 56 Resp: 1282
Ion Ratio Lower Upper
56 100
69 166.4 23.4 35.2#
84 134.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.649 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Tgt Ion: 65 Resp: 39953
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.2

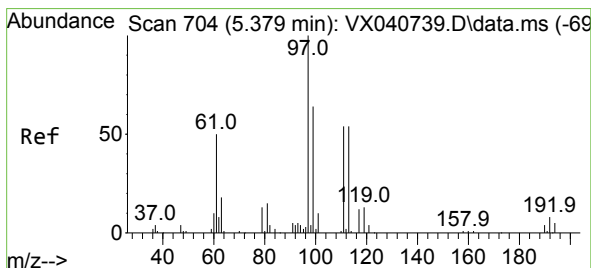
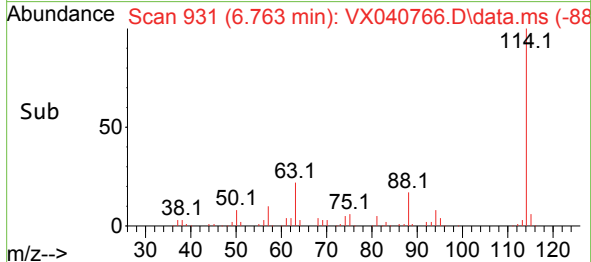
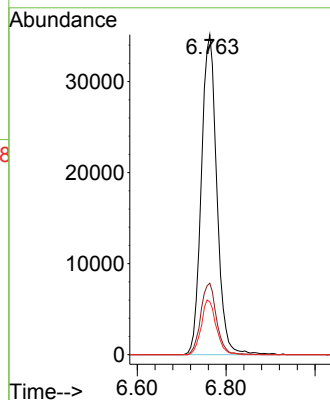
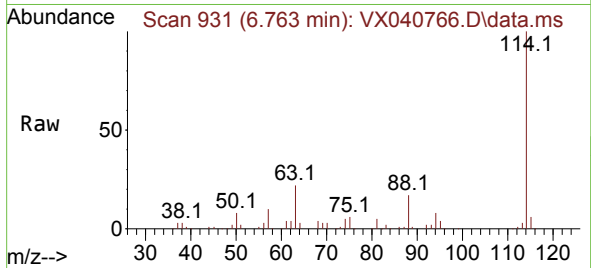




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

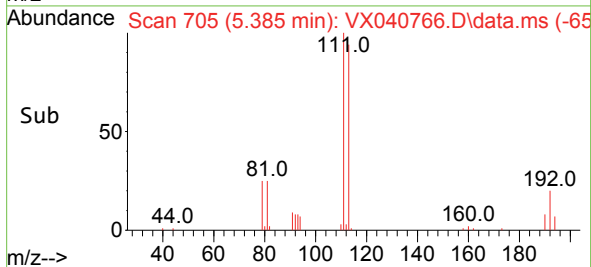
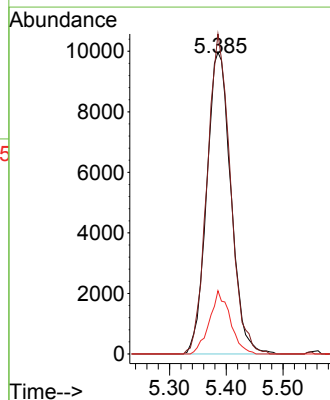
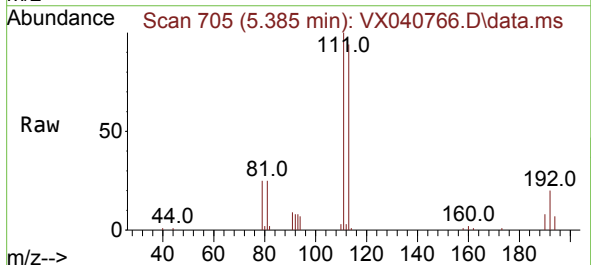
Instrument :
MSVOA_X
ClientSampleId :

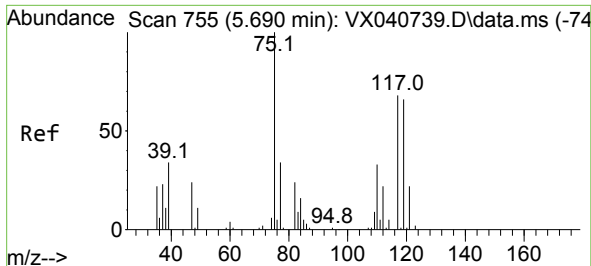
Tgt Ion:114 Resp: 85335
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.111 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

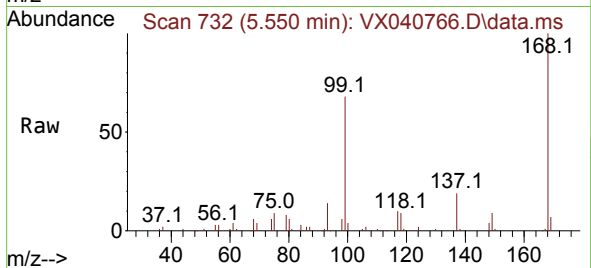
Tgt Ion:113 Resp: 29443
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.0 13.3 19.9



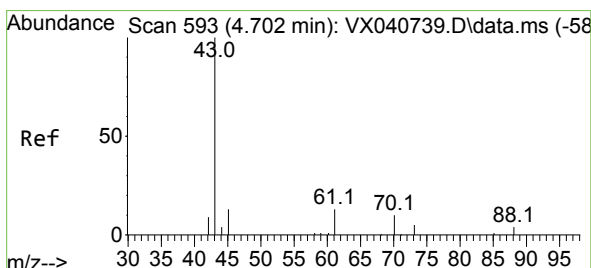
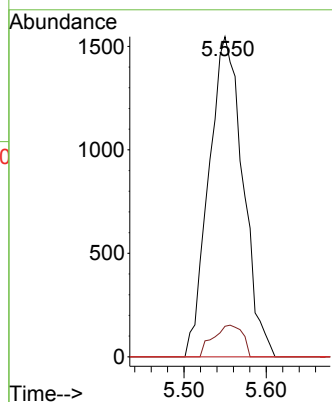
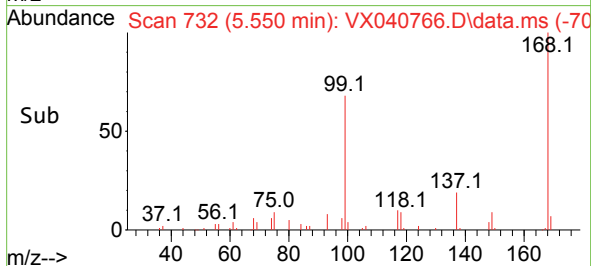


#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Instrument :
MSVOA_X
ClientSampleId :

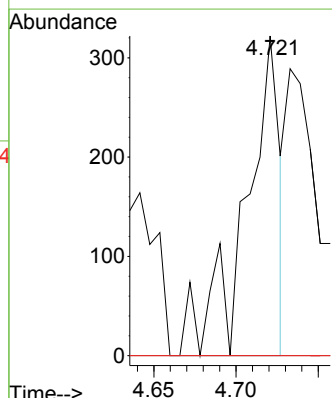
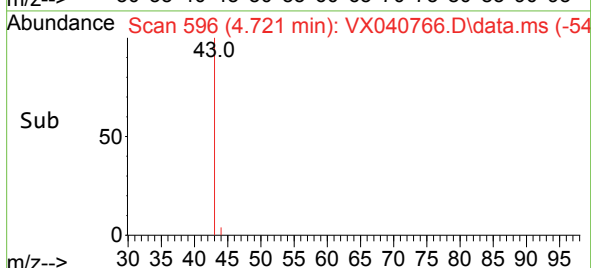
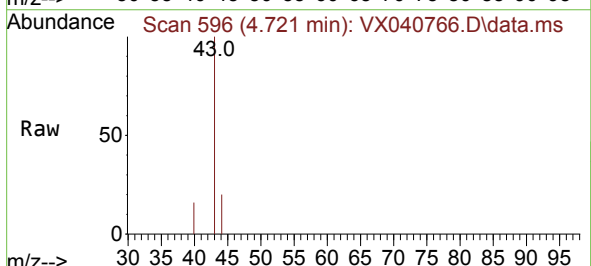


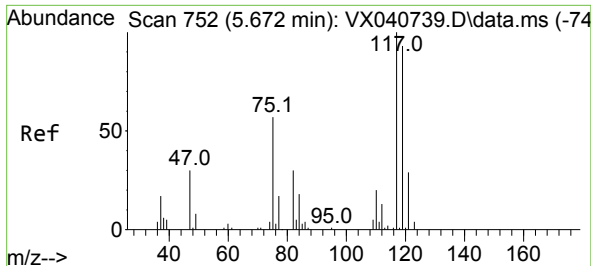
Tgt Ion: 75 Resp: 4468
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.443 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

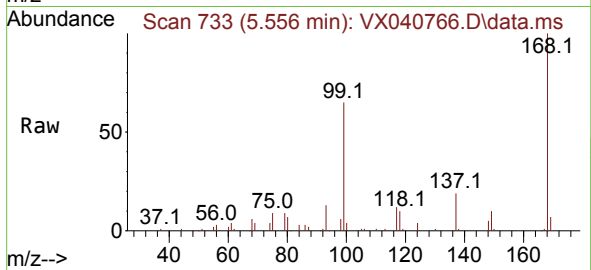
Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



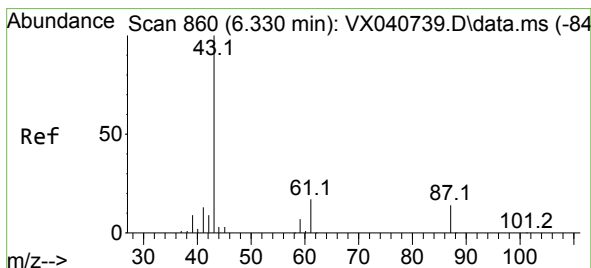
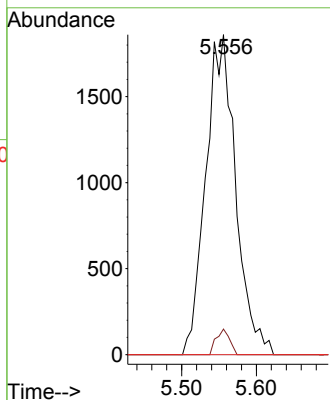
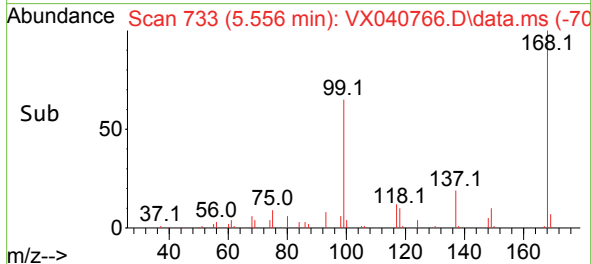


#38
Carbon Tetrachloride
Concen: 4.901 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Instrument :
MSVOA_X
ClientSampleId :

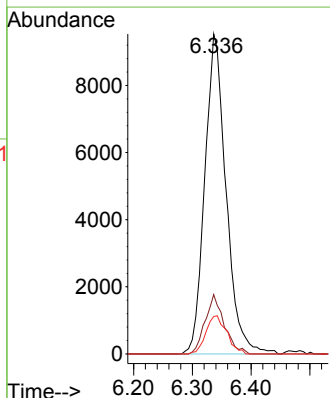
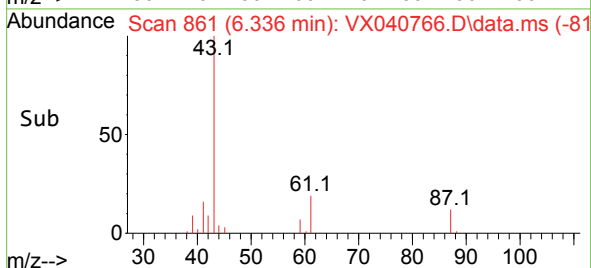
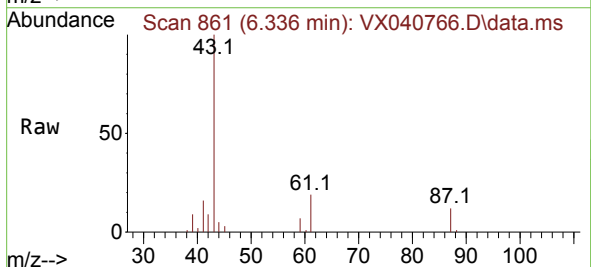


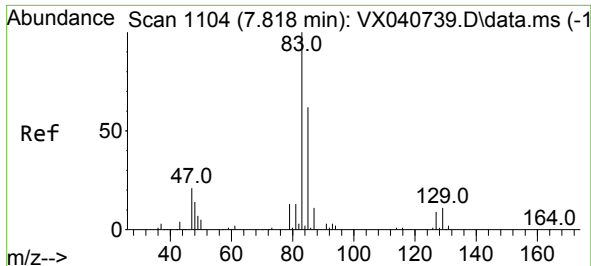
Tgt Ion:117 Resp: 5186
Ion Ratio Lower Upper
117 100
119 8.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 14.326 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Tgt Ion: 43 Resp: 24016
Ion Ratio Lower Upper
43 100
61 16.6 15.2 22.8
87 11.7 9.8 14.6

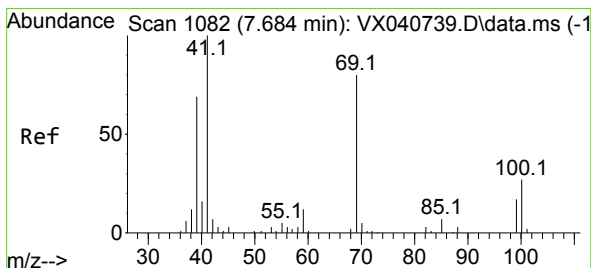
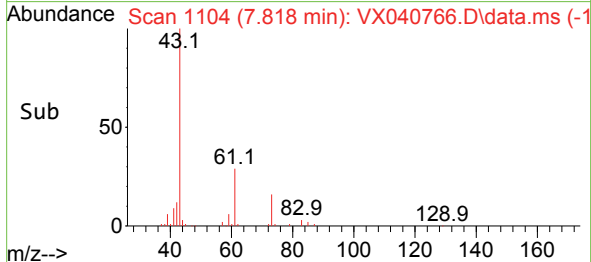
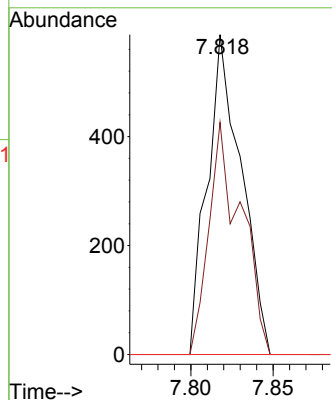
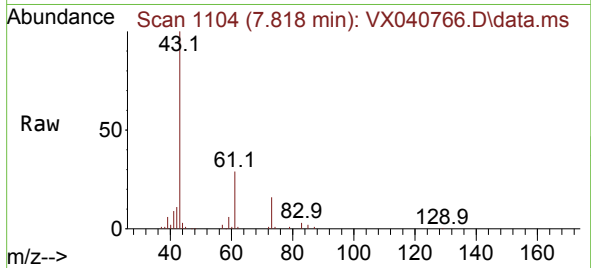




#47
Bromodichloromethane
Concen: 0.854 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

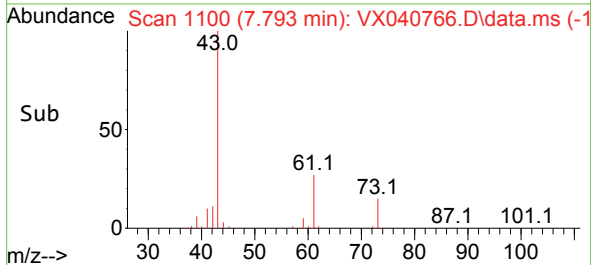
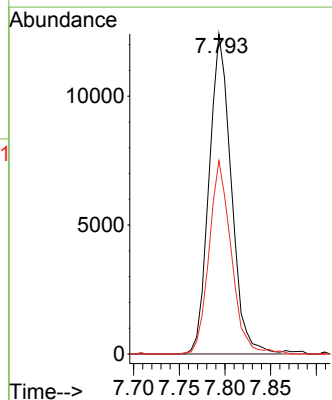
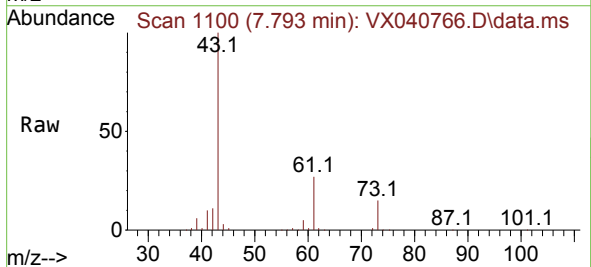
Instrument :
MSVOA_X
ClientSampleId :

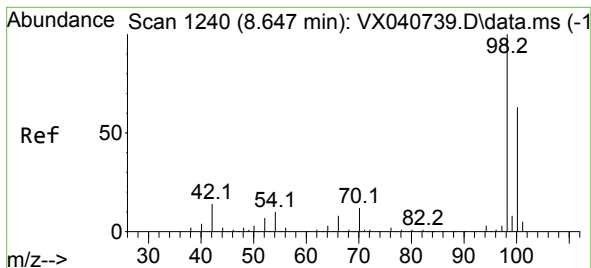
Tgt Ion: 83 Resp: 842
Ion Ratio Lower Upper
83 100
85 72.6 49.8 74.6
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 27.303 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Tgt Ion: 41 Resp: 20920
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 60.7 47.7 71.5





#50

Toluene-d8

Concen: 49.627 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040766.D

Acq: 22 Mar 2024 00:15

Instrument :

MSVOA_X

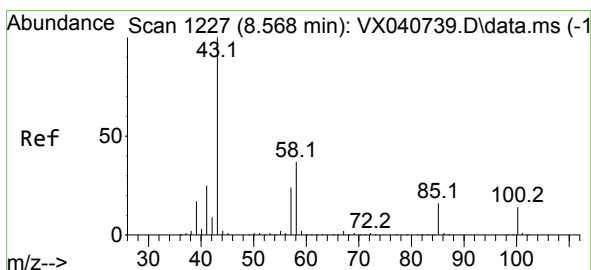
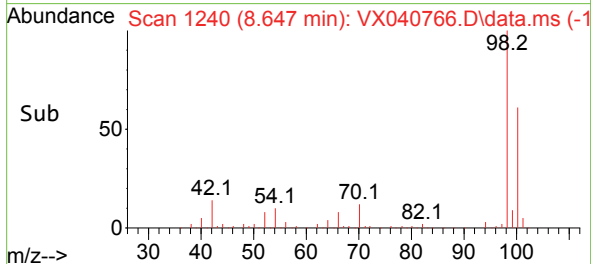
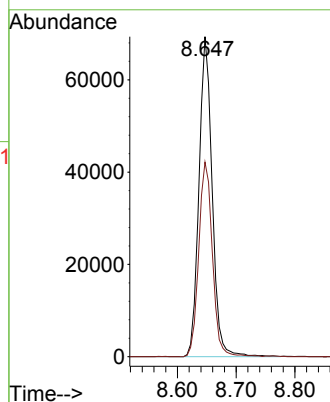
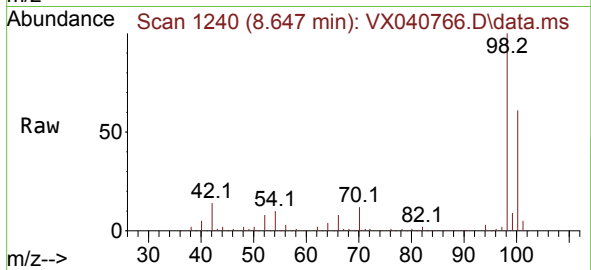
ClientSampleId :

Tgt Ion: 98 Resp: 108503

Ion Ratio Lower Upper

98 100

100 62.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 15.038 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.018 min

Lab File: VX040766.D

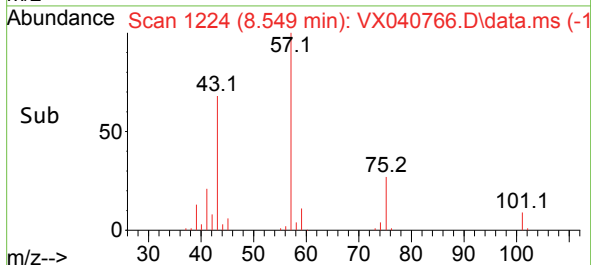
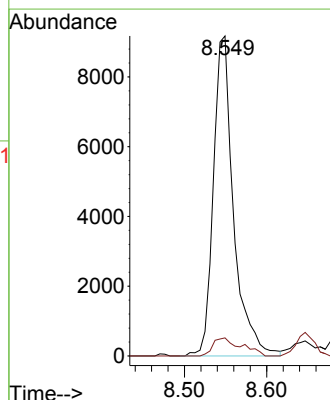
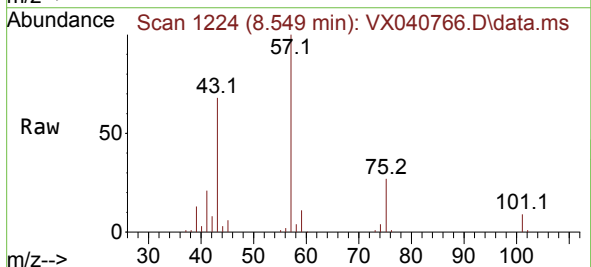
Acq: 22 Mar 2024 00:15

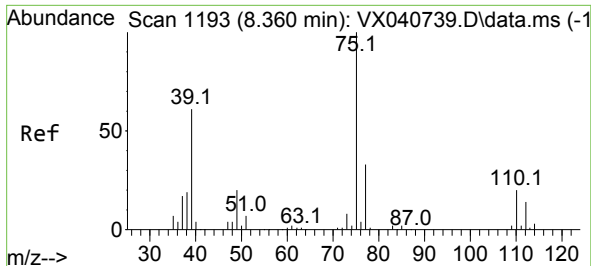
Tgt Ion: 43 Resp: 15634

Ion Ratio Lower Upper

43 100

58 8.0 30.4 45.6#

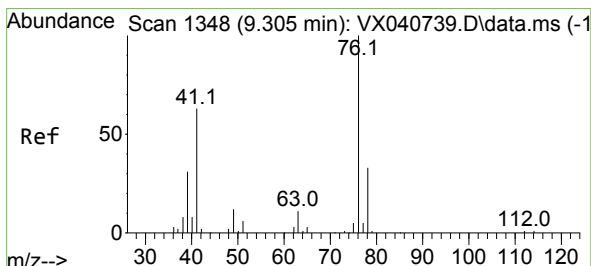
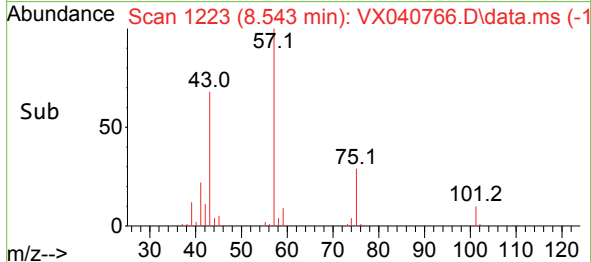
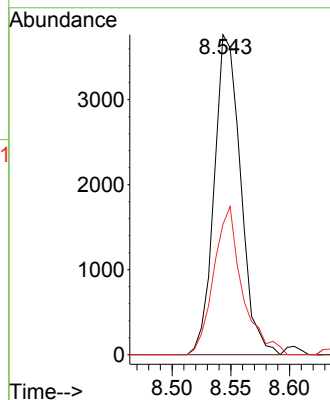
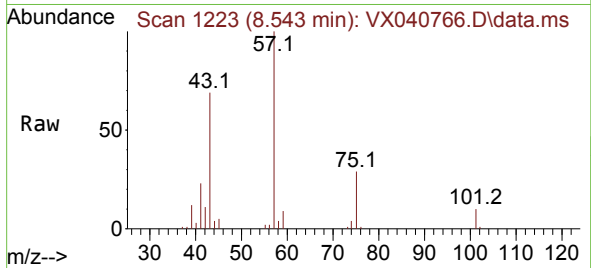




#54
 cis-1,3-Dichloropropene
 Concen: 5.580 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15

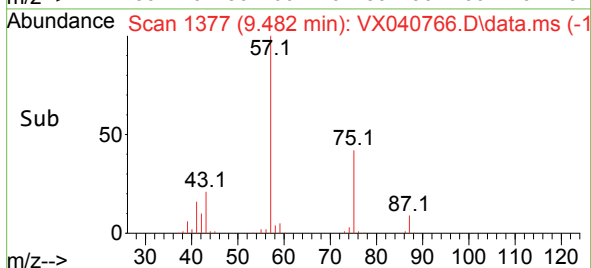
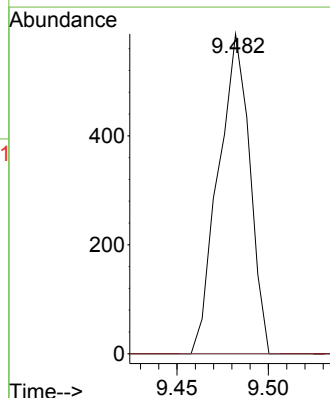
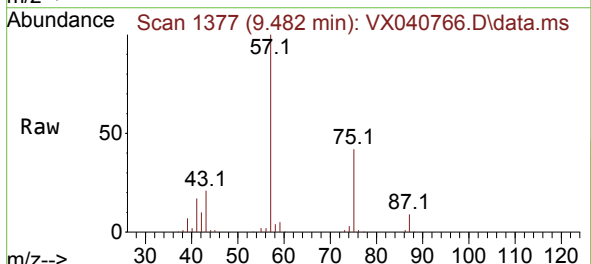
Instrument :
 MSVOA_X
 ClientSampleId :

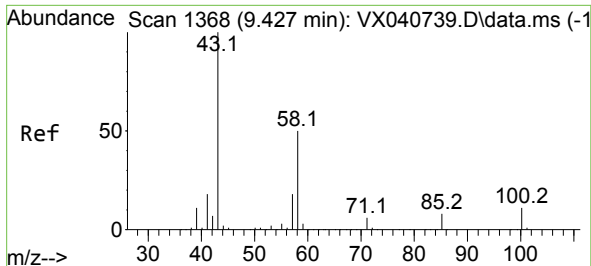
Tgt Ion: 75 Resp: 5884
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 40.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 0.652 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15

Tgt Ion: 76 Resp: 702
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 3.934 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX040766.D

Acq: 22 Mar 2024 00:15

Instrument :

MSVOA_X

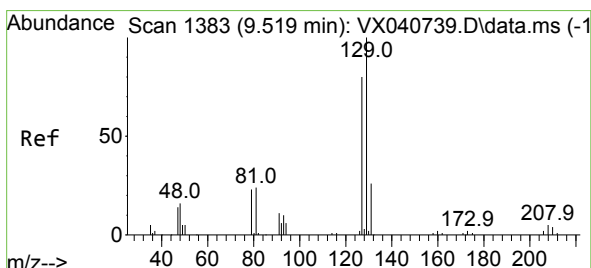
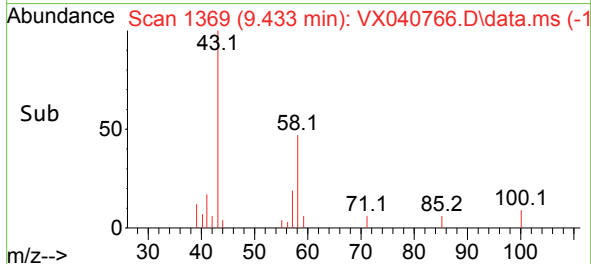
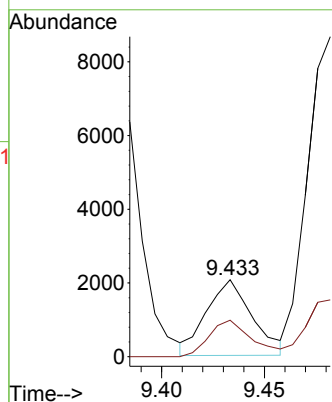
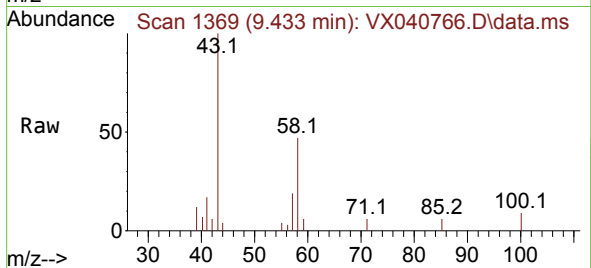
ClientSampleId :

Tgt Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

58 45.6 26.2 78.5



#60

Dibromochloromethane

Concen: 0.206 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX040766.D

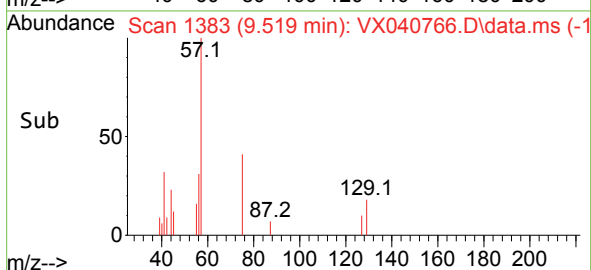
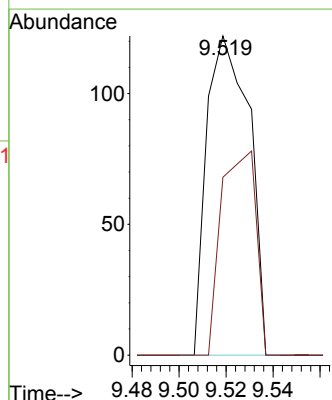
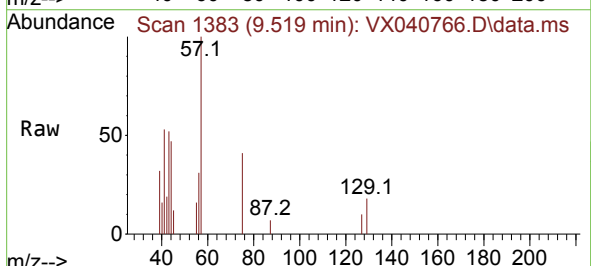
Acq: 22 Mar 2024 00:15

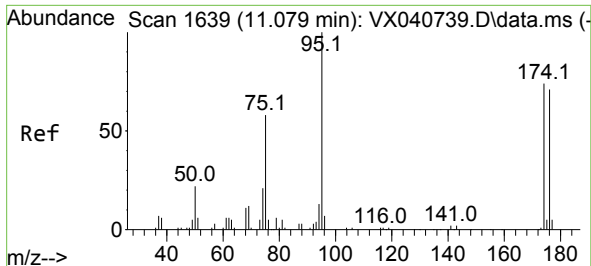
Tgt Ion: 129 Resp: 153

Ion Ratio Lower Upper

129 100

127 52.3 38.8 116.4

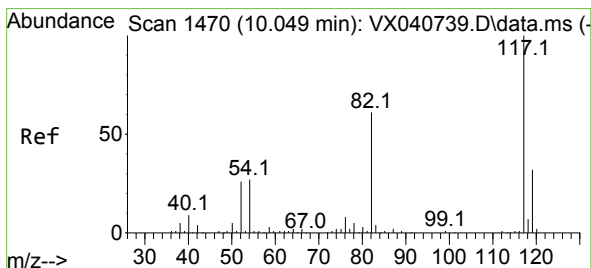
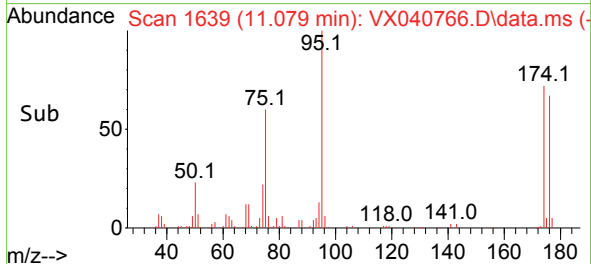
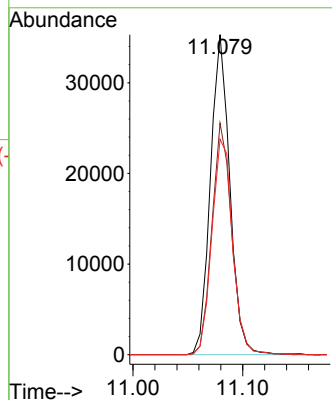
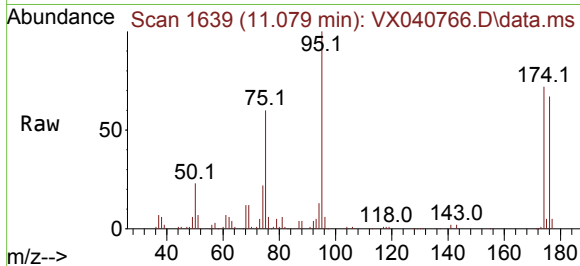




#62
4-Bromofluorobenzene
Concen: 50.137 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

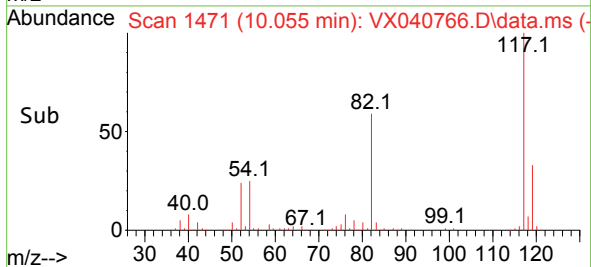
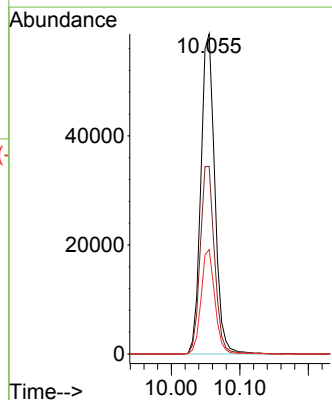
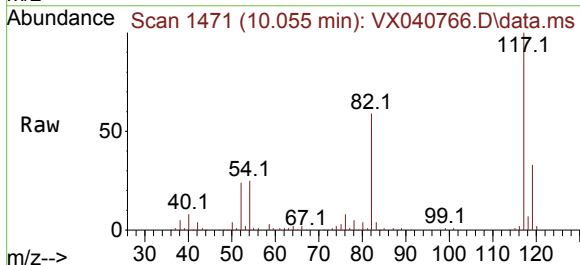
Instrument :
MSVOA_X
ClientSampleId :

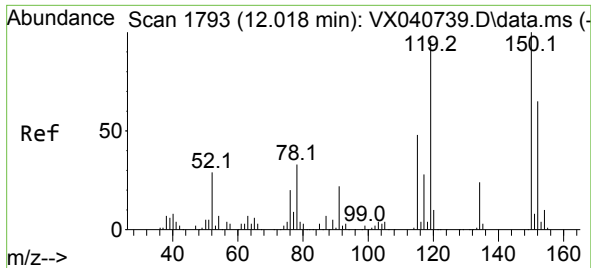
Tgt Ion: 95 Resp: 43308
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 72.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

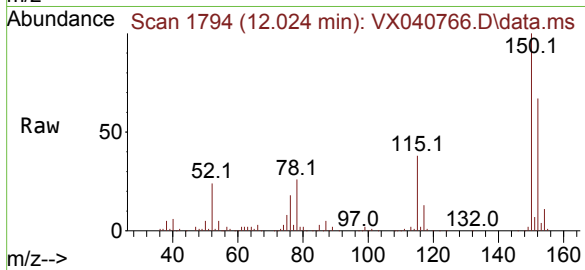
Tgt Ion: 117 Resp: 83248
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.7 25.5 38.3



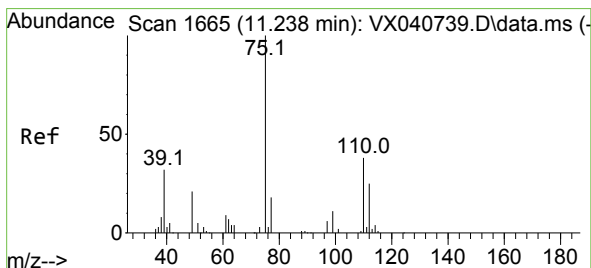
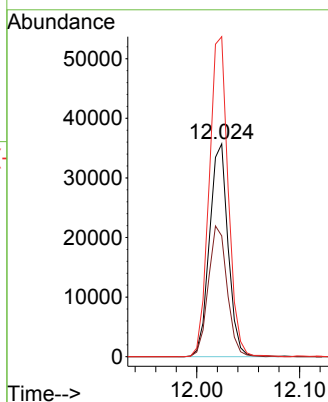
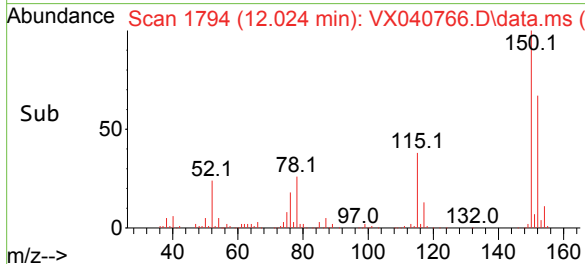


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15

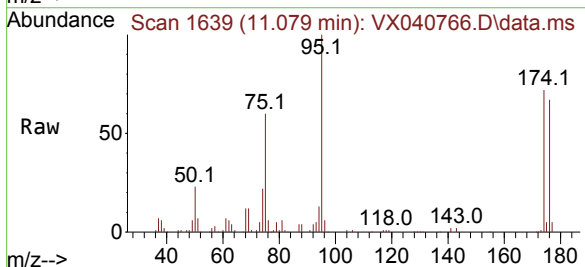
Instrument :
 MSVOA_X
 ClientSampleId :



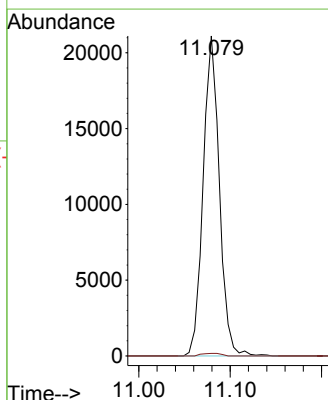
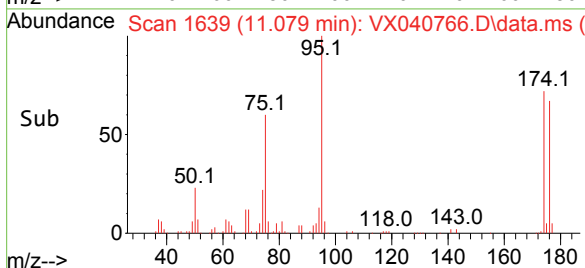
Tgt Ion:152 Resp: 44822
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.3 129.9
 150 153.4 0.0 345.0

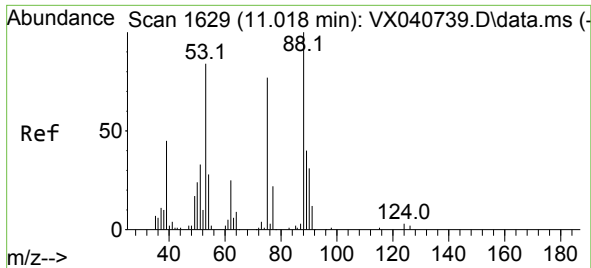


#76
 1,2,3-Trichloropropane
 Concen: 26.903 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040766.D
 Acq: 22 Mar 2024 00:15



Tgt Ion: 75 Resp: 25935
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

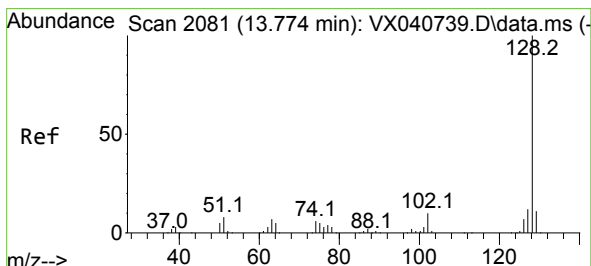
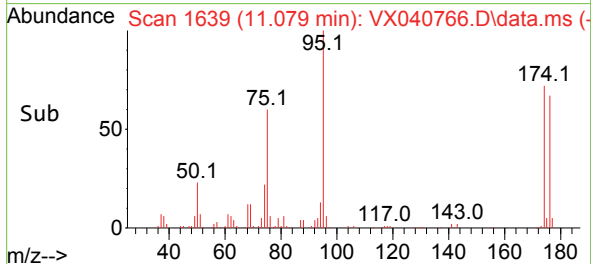
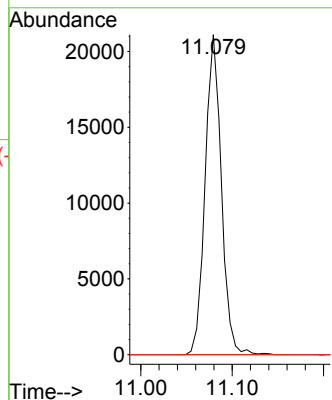
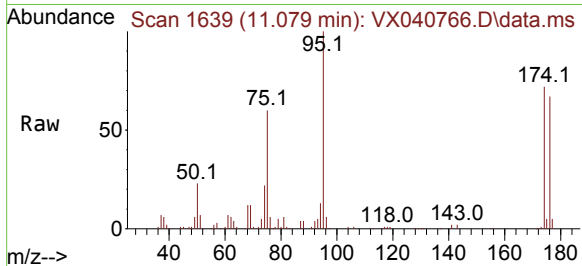




#81
trans-1,4-Dichloro-2-butene
Concen: 68.060 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 25935
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.234 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040766.D
Acq: 22 Mar 2024 00:15

Tgt Ion: 128 Resp: 811
Ion Ratio Lower Upper
128 100
127 7.8 10.3 15.5#
129 0.0 8.8 13.2#

