

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042309.D
 Acq On : 12 Jul 2024 17:45
 Operator : JC/MD
 Sample : PB162021ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:46:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

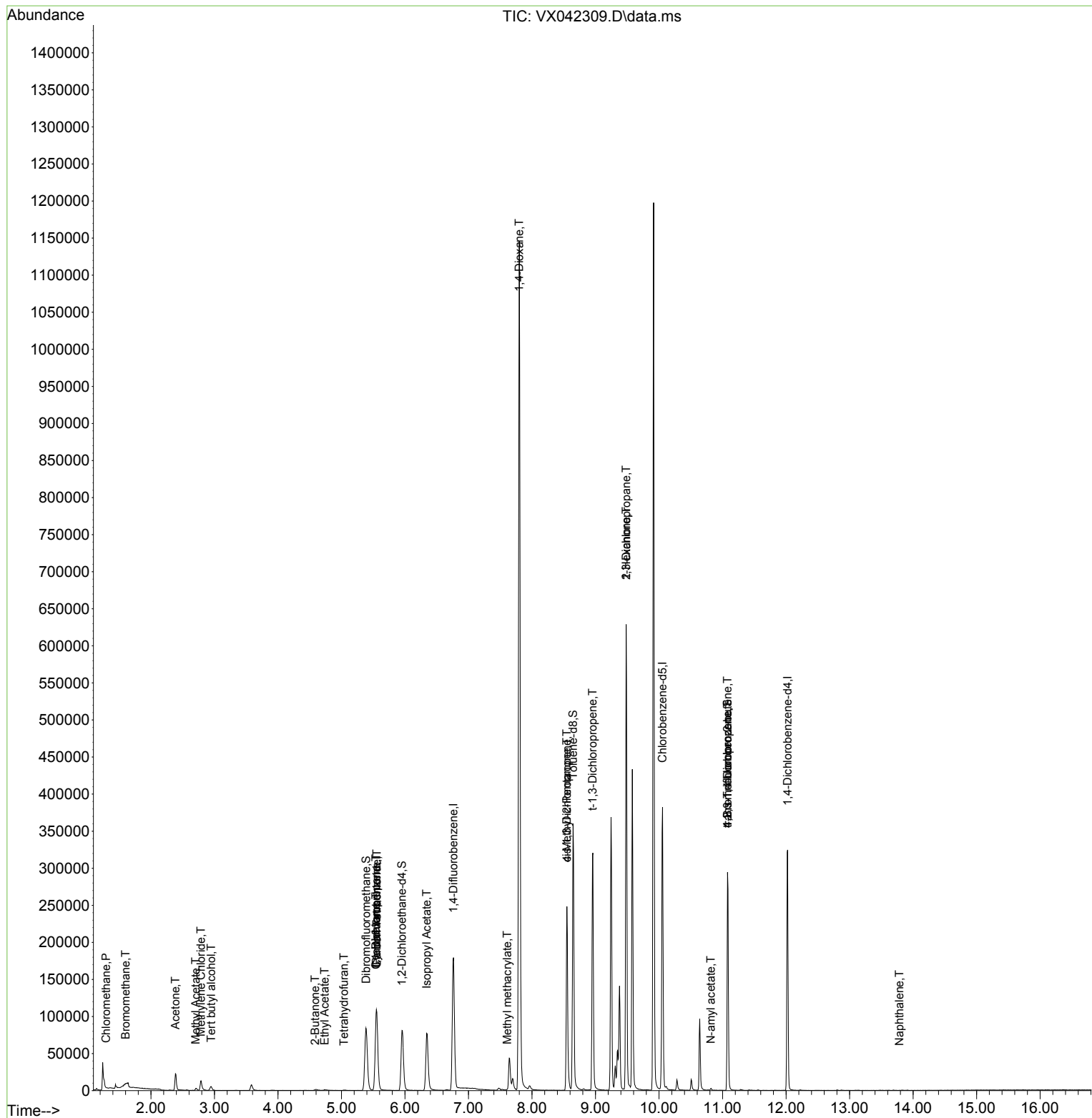
Internal Standards						
1) Pentafluorobenzene	5.550	168	122486	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	205704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79126	56.022	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.040%			
35) Dibromofluoromethane	5.385	113	74969	51.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	8.647	98	220600	43.022	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.040%#			
62) 4-Bromofluorobenzene	11.079	95	78847	41.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.420%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	259	0.221	ug/l	# 43
5) Bromomethane	1.599	94	257	0.444	ug/l	# 80
6) Chloroethane	1.666	64	967	Below Cal		# 60
11) Tert butyl alcohol	2.947	59	3705	13.822	ug/l	# 78
16) Acetone	2.386	43	26217	42.272	ug/l	# 84
18) Methyl Acetate	2.703	43	4060	2.400	ug/l	# 99
20) Methylene Chloride	2.788	84	7435	5.475	ug/l	# 90
25) 2-Butanone	4.587	43	2227	2.308	ug/l	# 91
29) Tetrahydrofuran	5.038	42	274	0.440	ug/l	# 54
31) Cyclohexane	5.544	56	1592	0.964	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	6865	4.429	ug/l	# 51
37) Ethyl Acetate	4.733	43	2373	1.175	ug/l	# 81
38) Carbon Tetrachloride	5.556	117	10285	6.006	ug/l	# 16
43) Isopropyl Acetate	6.342	43	108278	34.938	ug/l	# 93
48) Methyl methacrylate	7.610	41	3333	2.254	ug/l	# 16
49) 1,4-Dioxane	7.799	88	166	24.089	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	81405	38.133	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	786	1.327	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	43104	22.898	ug/l	# 49
57) 1,3-Dichloropropane	9.482	76	6111	2.728	ug/l	# 42
59) 2-Hexanone	9.482	43	70737	43.263	ug/l	# 55
74) N-amyl acetate	10.817	43	904	0.408	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	35981	24.189	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	35981	68.693	ug/l	# 5
95) Naphthalene	13.786	128	73	0.760	ug/l	# 69

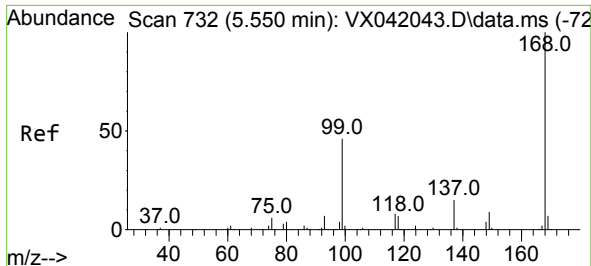
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042309.D
Acq On : 12 Jul 2024 17:45
Operator : JC/MD
Sample : PB162021ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

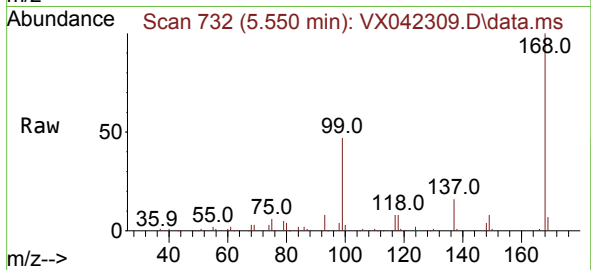
Quant Time: Jul 15 04:46:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



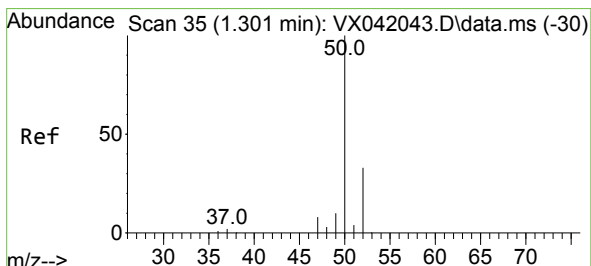
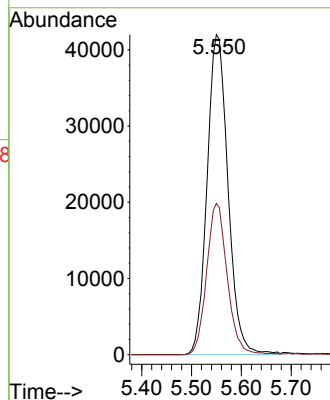
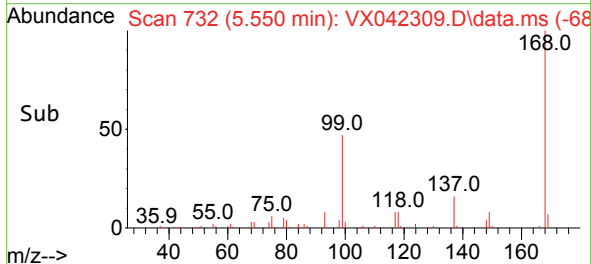


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :

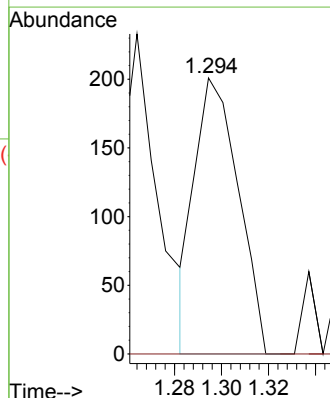
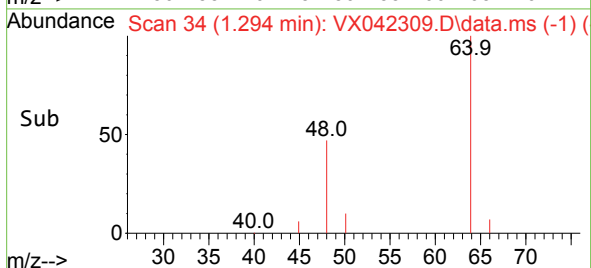
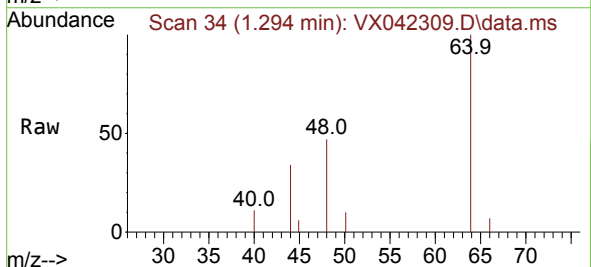


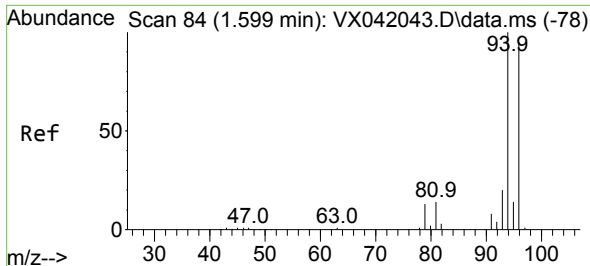
Tgt Ion:168 Resp: 122486
Ion Ratio Lower Upper
168 100
99 47.3 56.6 85.0#



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 50 Resp: 259
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

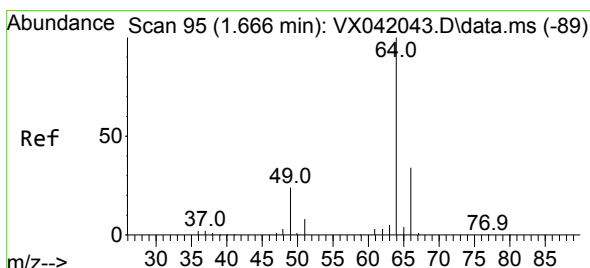
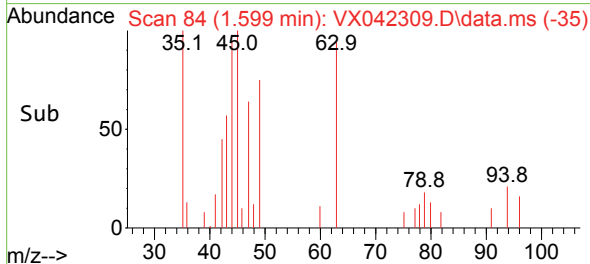
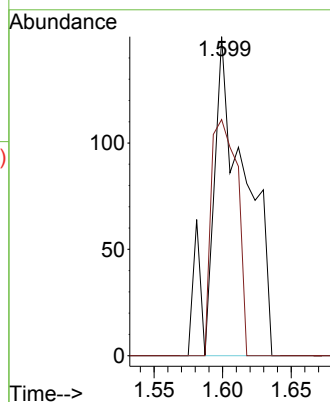
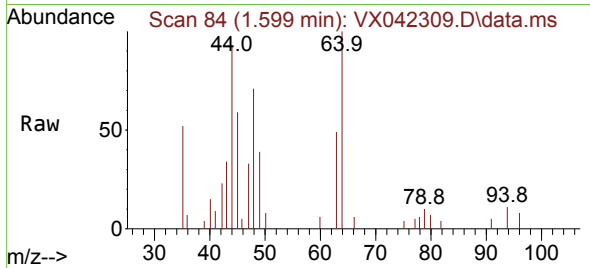




#5
Bromomethane
Concen: 0.444 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

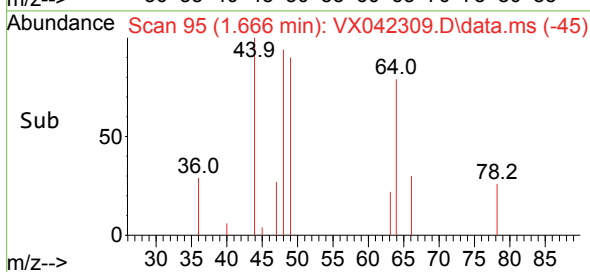
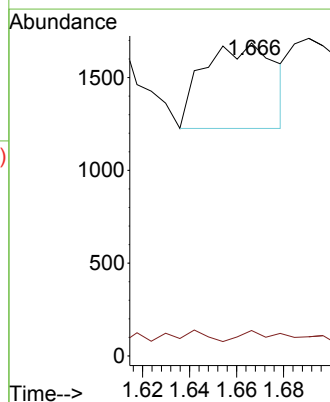
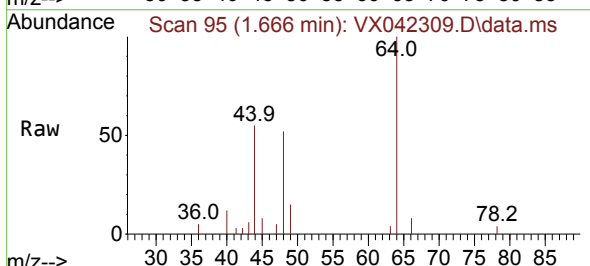
Instrument :
MSVOA_X
ClientSampleId :

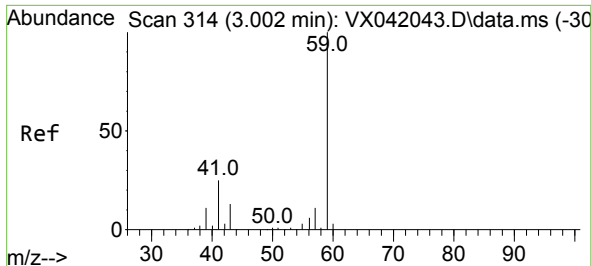
Tgt Ion: 94 Resp: 257
Ion Ratio Lower Upper
94 100
96 74.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

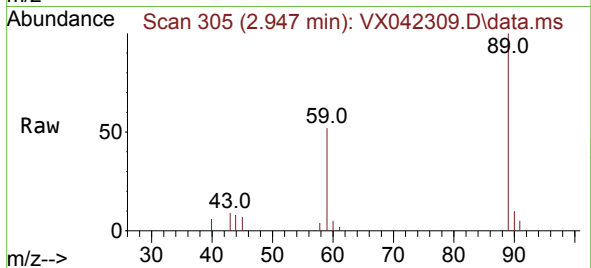
Tgt Ion: 64 Resp: 967
Ion Ratio Lower Upper
64 100
66 9.3 25.1 37.7#



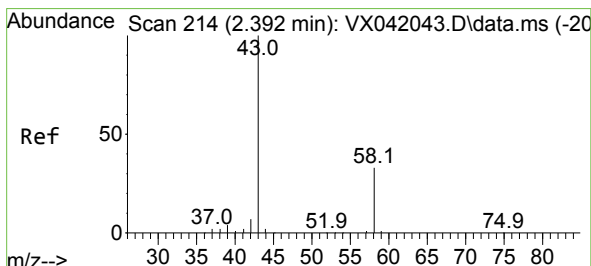
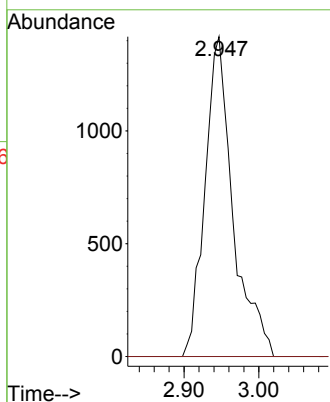
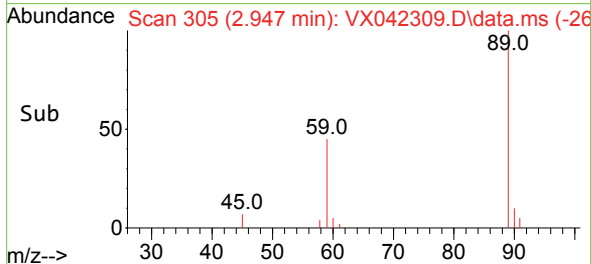


#11
Tert butyl alcohol
Concen: 13.822 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :

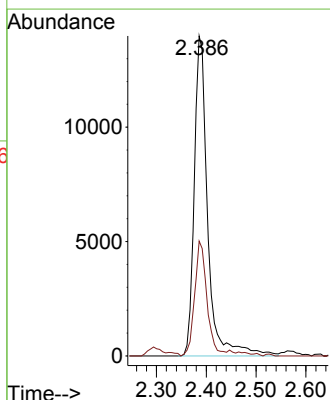
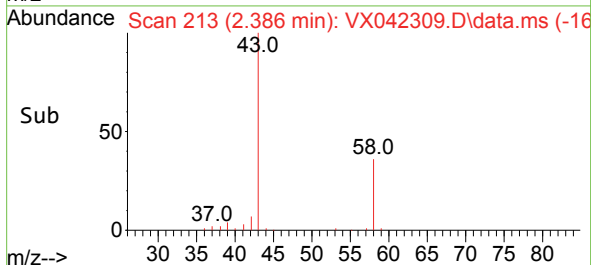
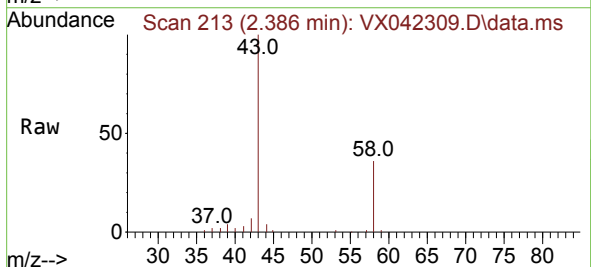


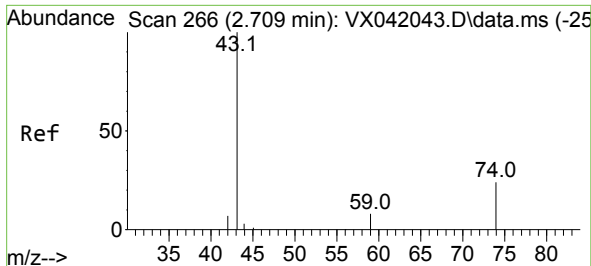
Tgt Ion: 59 Resp: 3705
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 42.272 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 43 Resp: 26217
Ion Ratio Lower Upper
43 100
58 35.9 21.9 32.9#

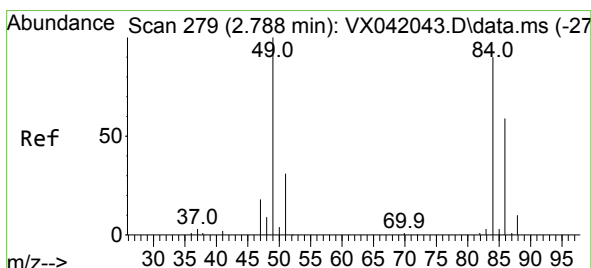
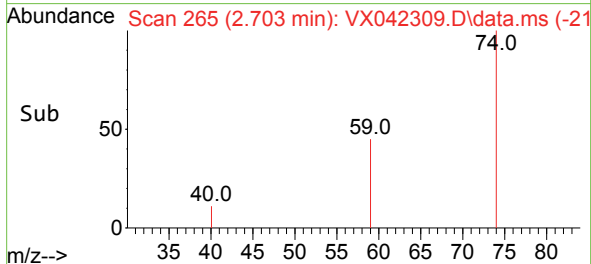
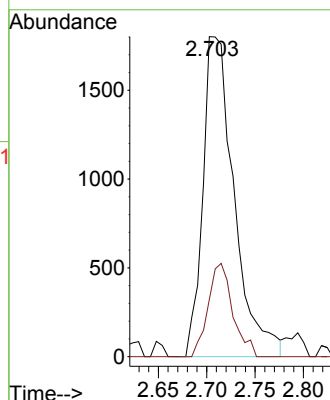
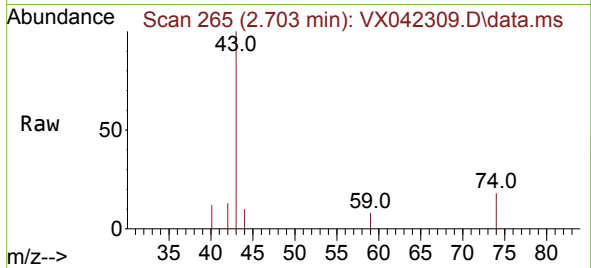




#18
Methyl Acetate
Concen: 2.400 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

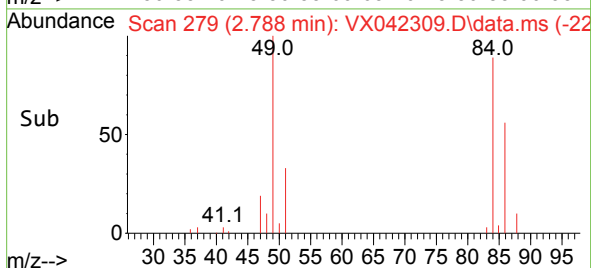
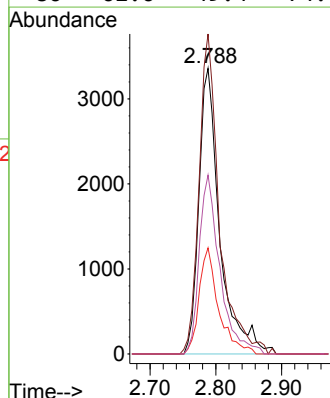
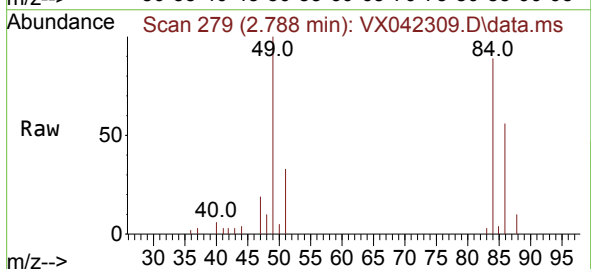
Instrument :
MSVOA_X
ClientSampleId :

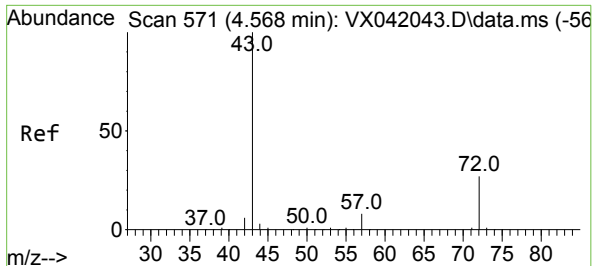
Tgt Ion: 43 Resp: 4060
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 5.475 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 84 Resp: 7435
Ion Ratio Lower Upper
84 100
49 112.0 103.6 155.4
51 37.1 33.8 50.6
86 62.6 49.4 74.0

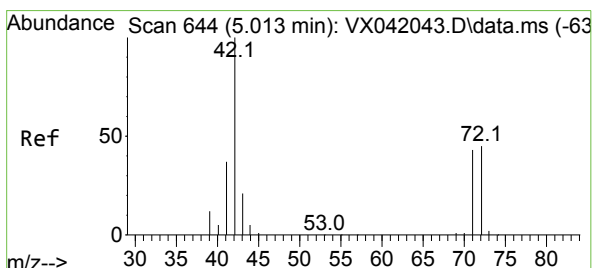
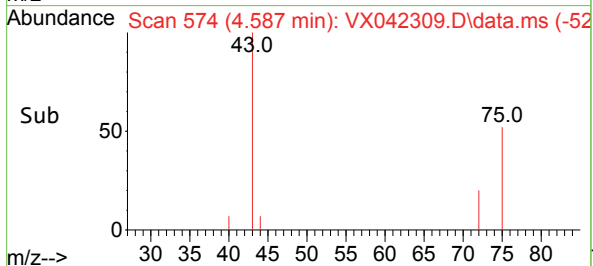
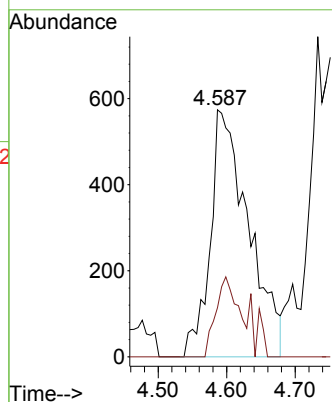
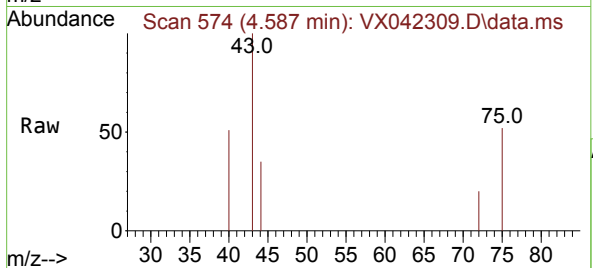




#25
2-Butanone
Concen: 2.308 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

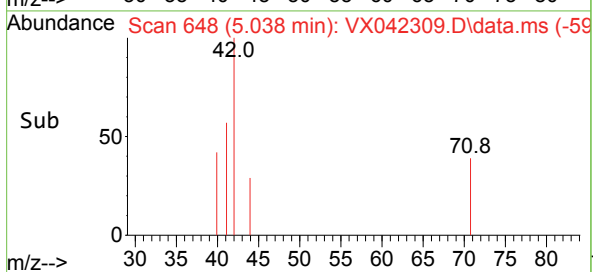
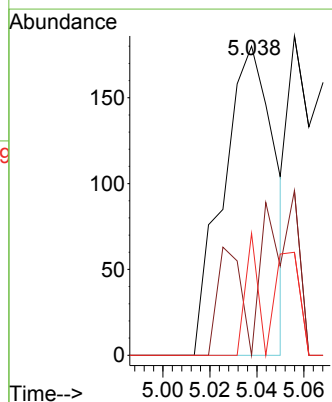
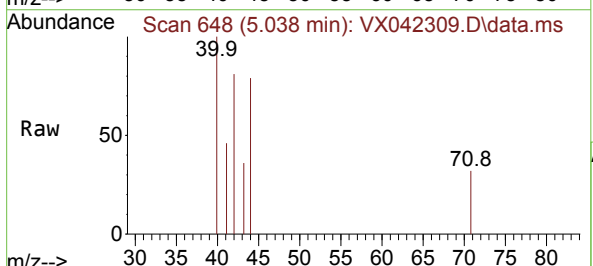
Instrument :
MSVOA_X
ClientSampleId :

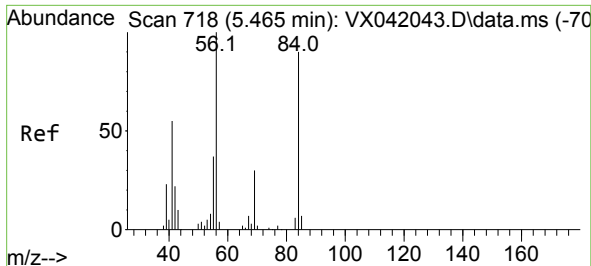
Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
72 19.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.440 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.018 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

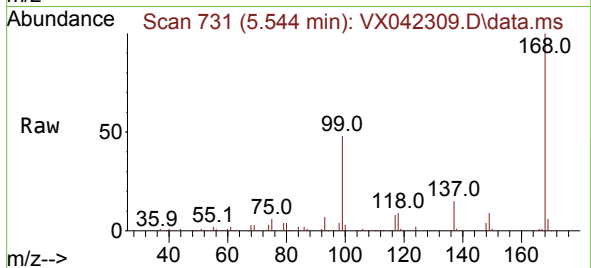
Tgt Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 15.7 34.2 51.4#
71 9.5 32.2 48.2#



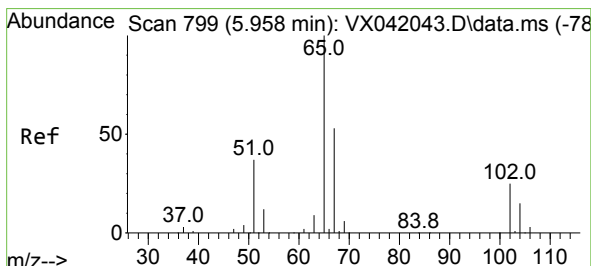
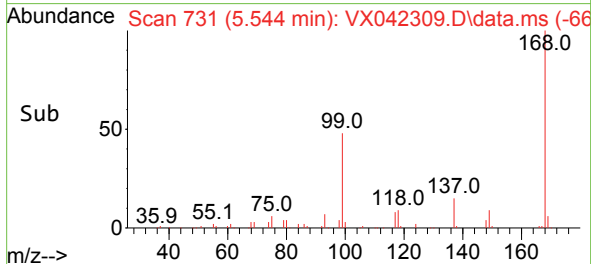
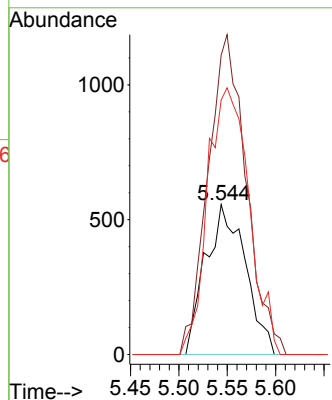


#31
Cyclohexane
Concen: 0.964 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :

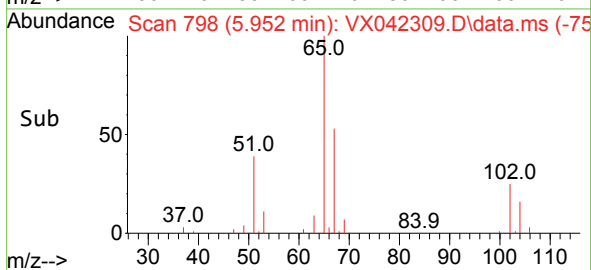
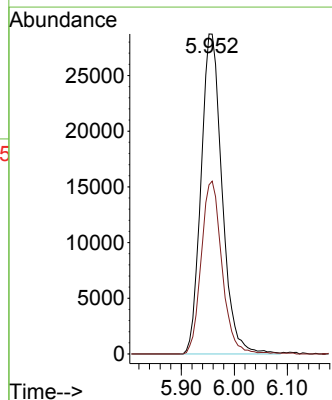
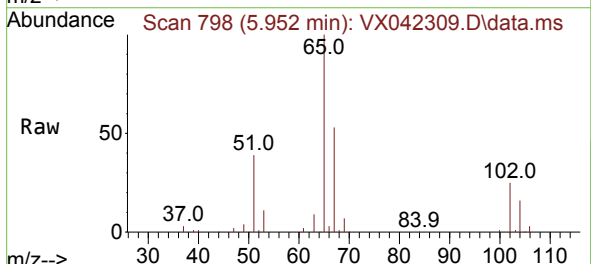


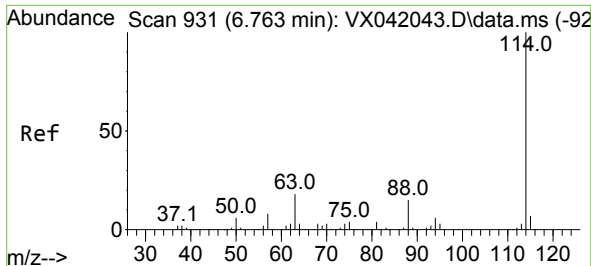
Tgt Ion: 56 Resp: 1592
Ion Ratio Lower Upper
56 100
69 199.6 23.4 35.2#
84 169.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 56.022 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 65 Resp: 79126
Ion Ratio Lower Upper
65 100
67 53.3 0.0 100.2

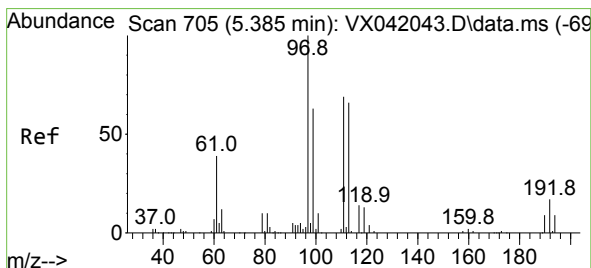
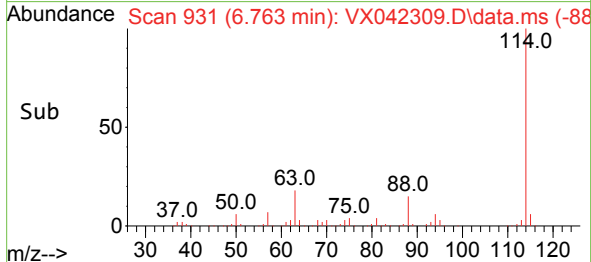
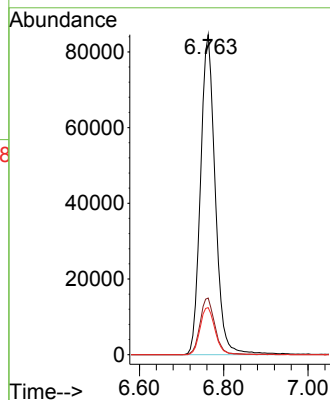
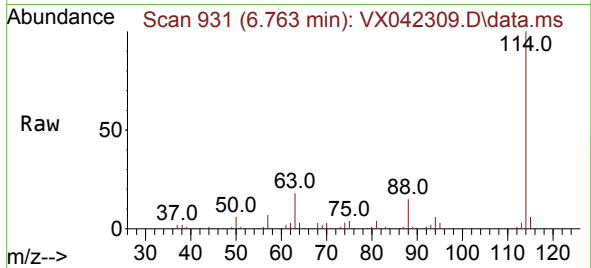




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

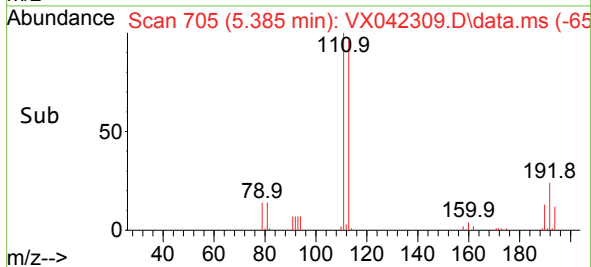
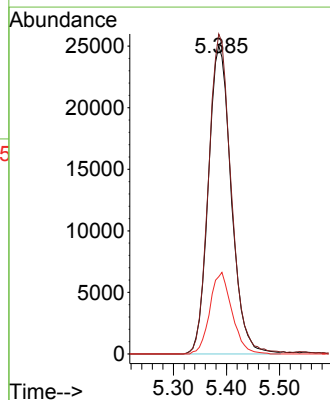
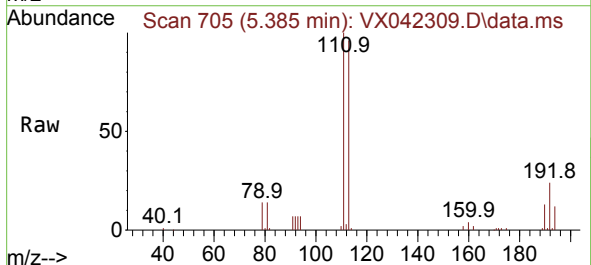
Instrument :
MSVOA_X
ClientSampleId :

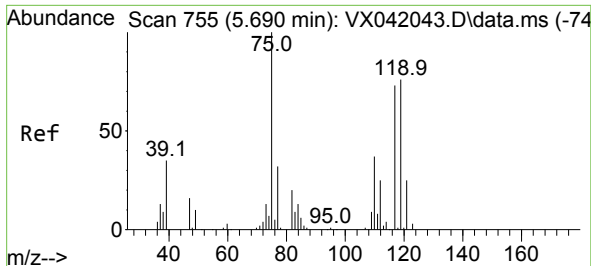
Tgt Ion:114 Resp: 205704
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.364 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion:113 Resp: 74969
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 25.5 13.3 19.9#

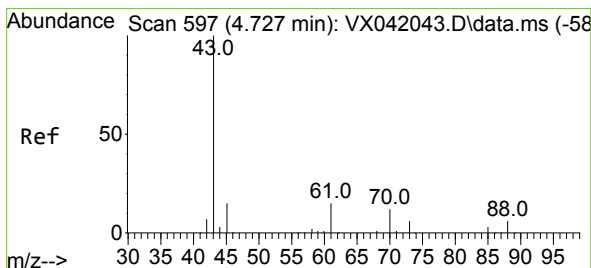
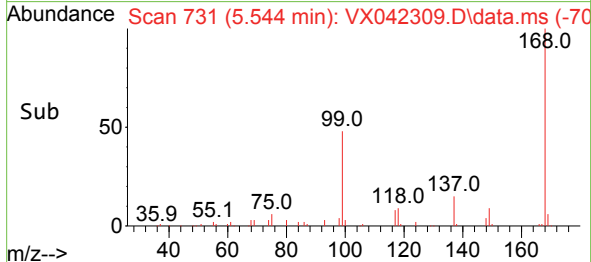
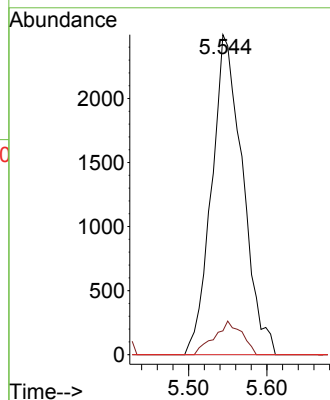
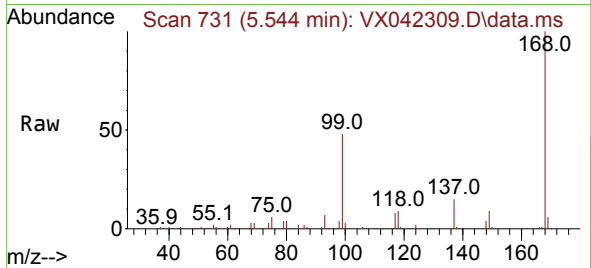




#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

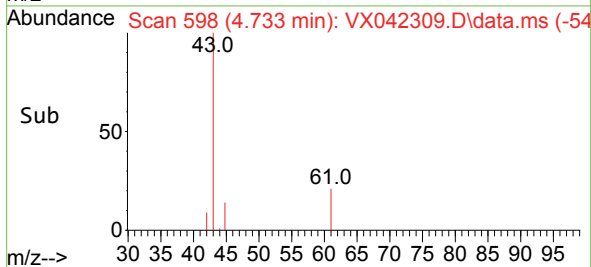
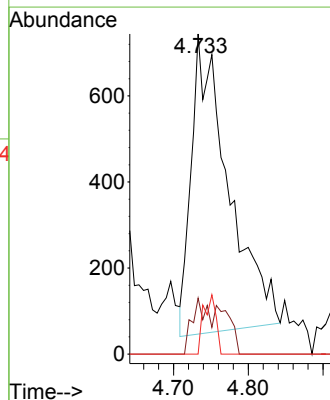
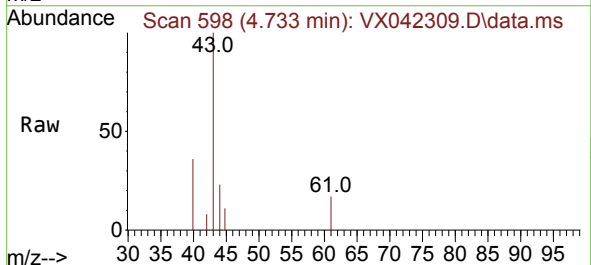
Instrument :
MSVOA_X
ClientSampleId :

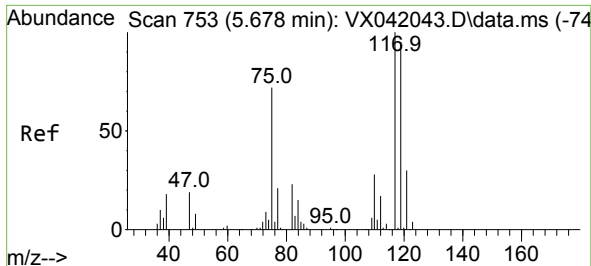
Tgt Ion: 75 Resp: 6865
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.175 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

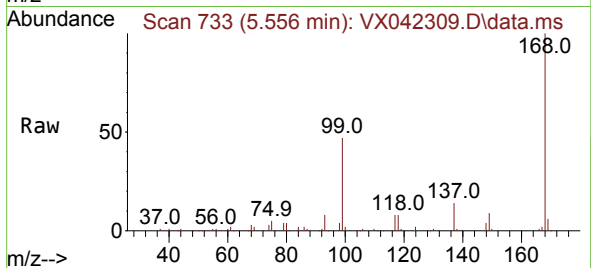
Tgt Ion: 43 Resp: 2373
Ion Ratio Lower Upper
43 100
61 8.3 10.6 16.0#
70 0.0 8.3 12.5#



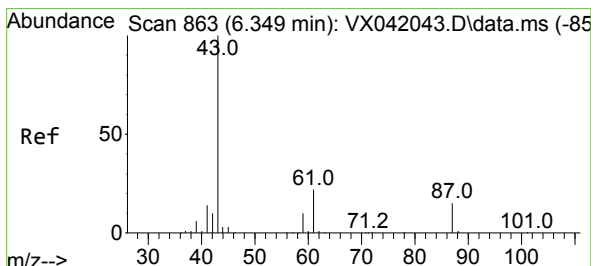
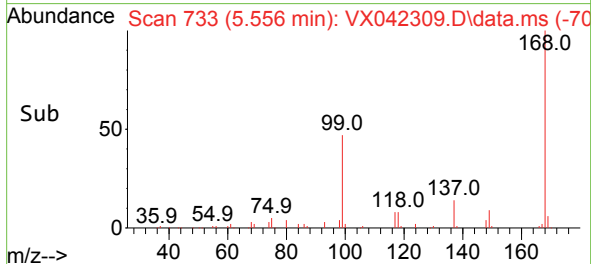
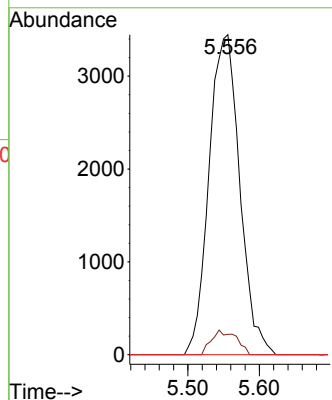


#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :

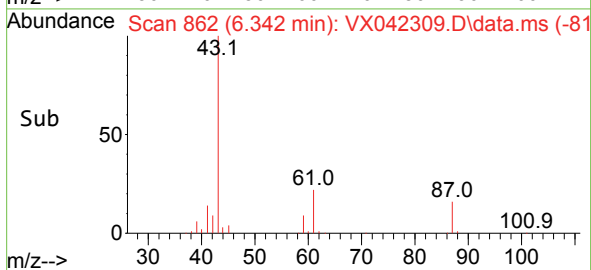
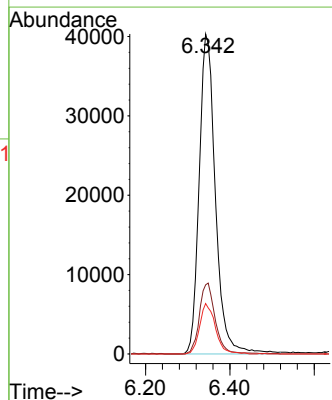
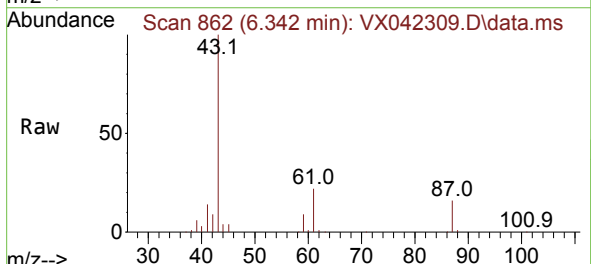


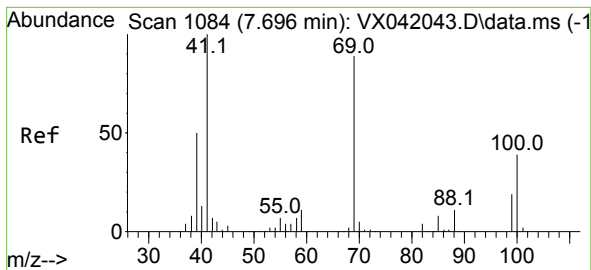
Tgt Ion:117 Resp: 10285
Ion Ratio Lower Upper
117 100
119 6.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 34.938 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 43 Resp: 108278
Ion Ratio Lower Upper
43 100
61 21.6 15.2 22.8
87 15.3 9.8 14.6#





#48

Methyl methacrylate

Concen: 2.254 ug/l

RT: 7.610 min Scan# 1101

Delta R.T. -0.085 min

Lab File: VX042309.D

Acq: 12 Jul 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

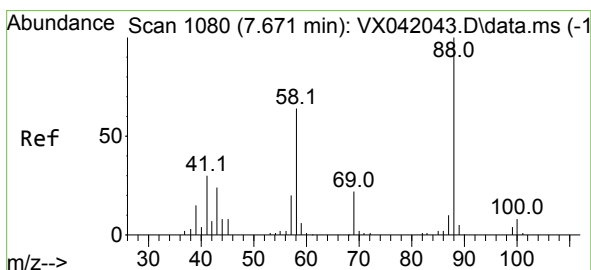
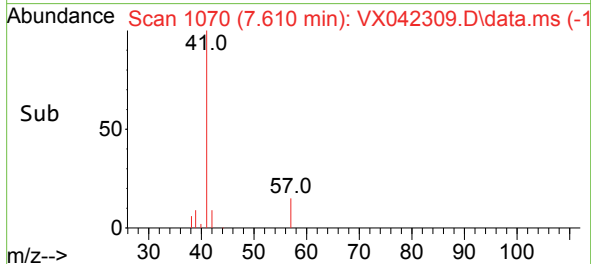
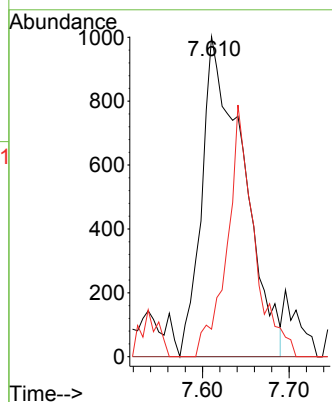
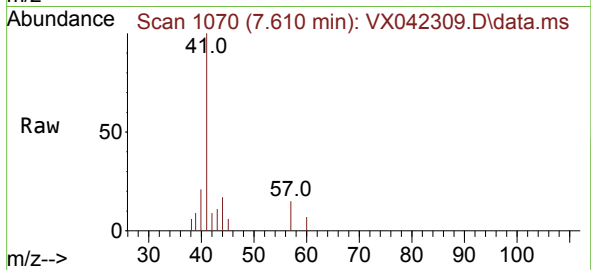
Tgt Ion: 41 Resp: 3333

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 0.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 24.089 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX042309.D

Acq: 12 Jul 2024 17:45

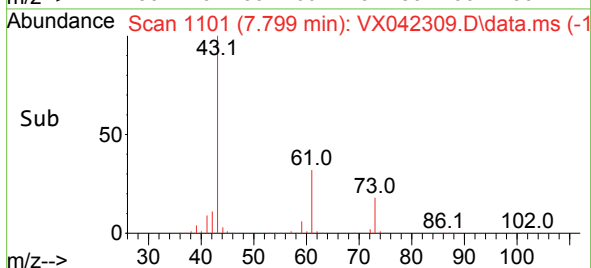
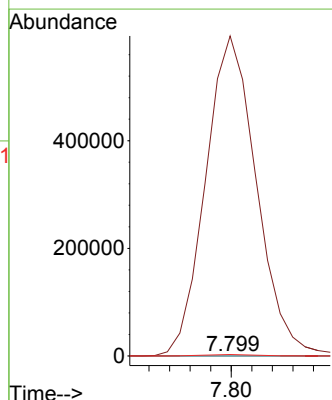
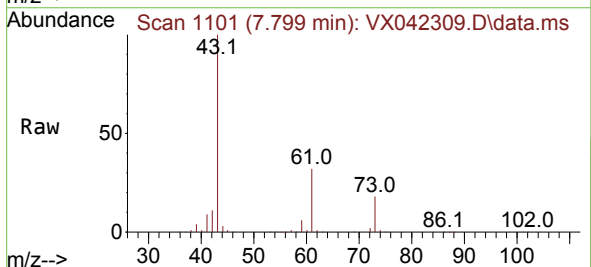
Tgt Ion: 88 Resp: 166

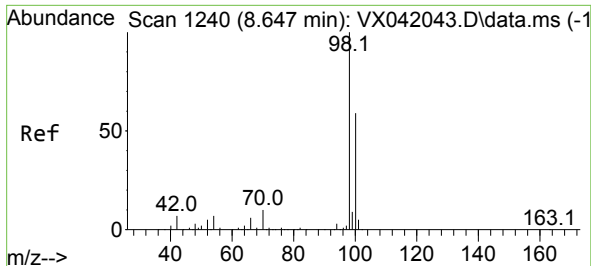
Ion Ratio Lower Upper

88 100

43 624840.4 0.0 0.0#

58 2892.2 60.1 90.1#

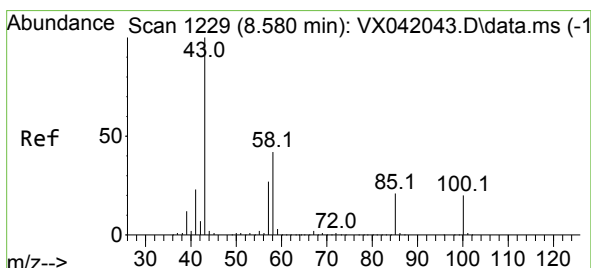
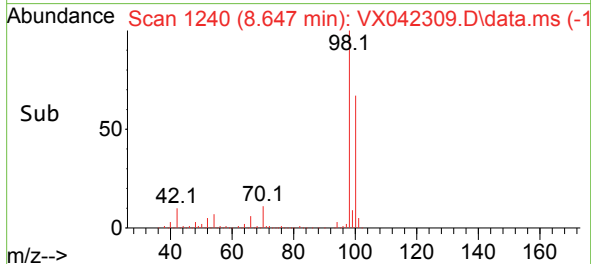
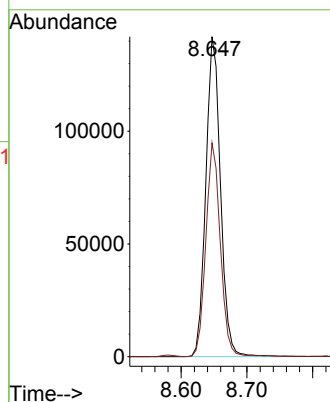
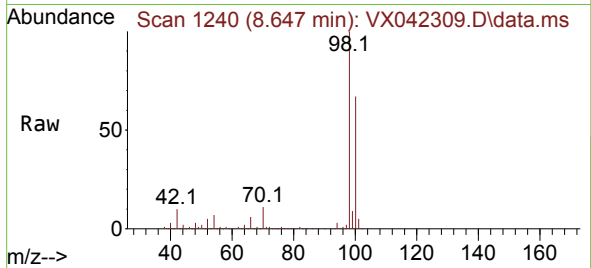




#50
Toluene-d8
Concen: 43.022 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

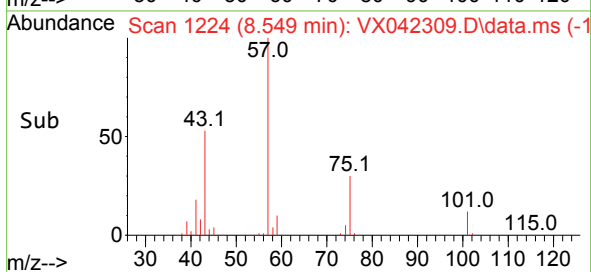
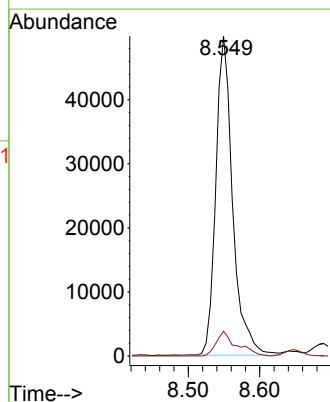
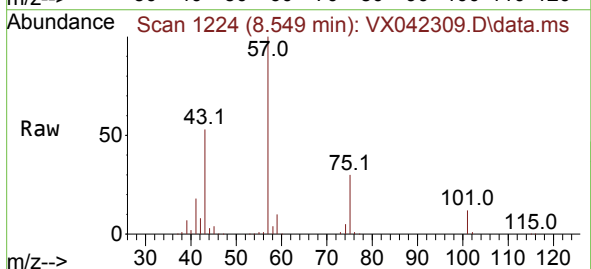
Instrument :
MSVOA_X
ClientSampleId :

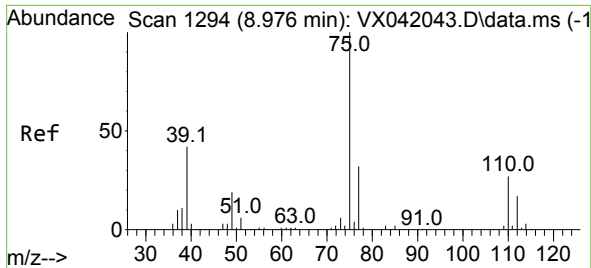
Tgt Ion: 98 Resp: 220600
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 38.133 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Tgt Ion: 43 Resp: 81405
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#

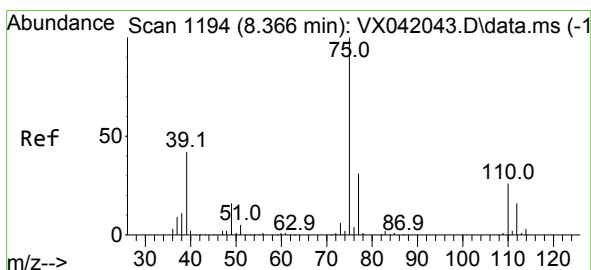
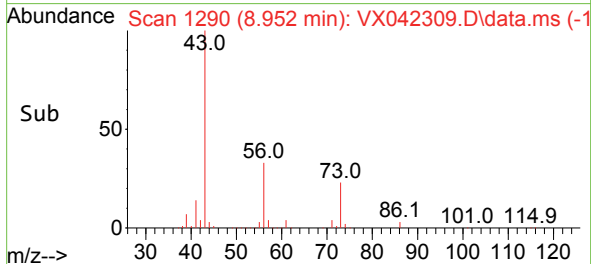
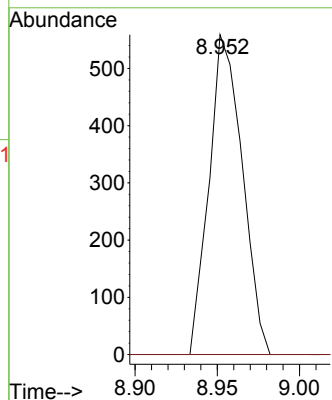
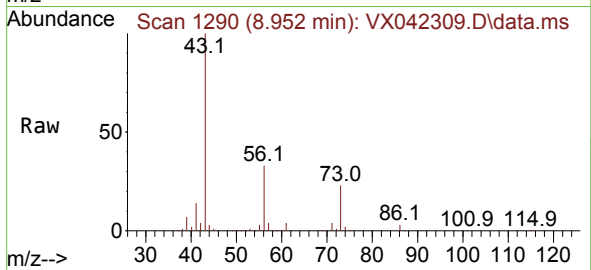




#53
 t-1,3-Dichloropropene
 Concen: 1.327 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX042309.D
 Acq: 12 Jul 2024 17:45

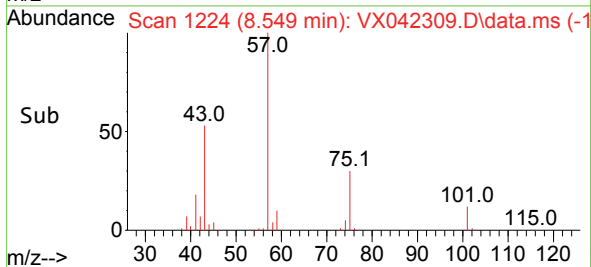
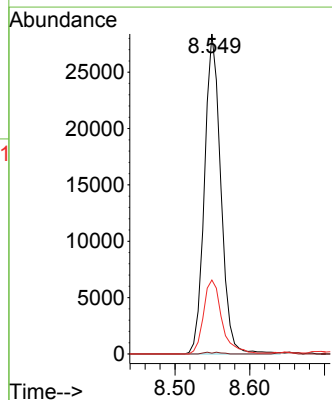
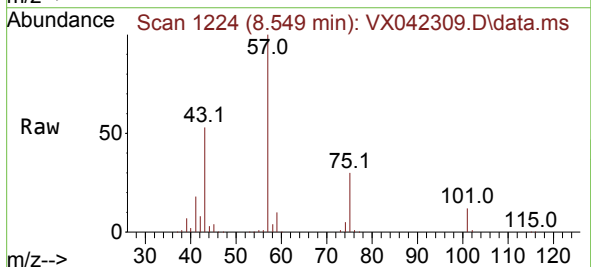
Instrument :
 MSVOA_X
 ClientSampleId :

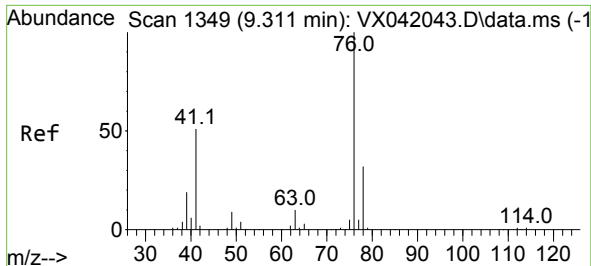
Tgt Ion: 75 Resp: 786
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 22.898 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042309.D
 Acq: 12 Jul 2024 17:45

Tgt Ion: 75 Resp: 43104
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 23.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.728 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042309.D

Acq: 12 Jul 2024 17:45

Instrument :

MSVOA_X

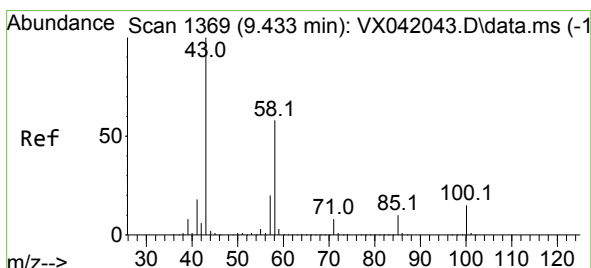
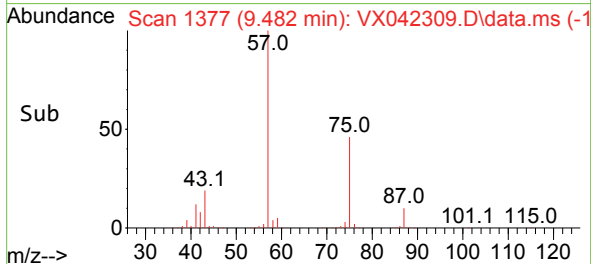
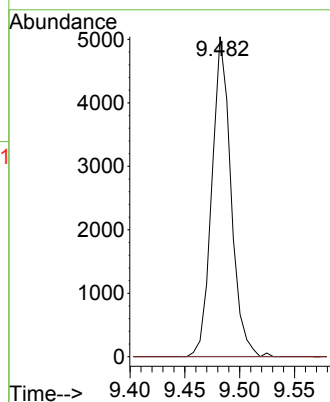
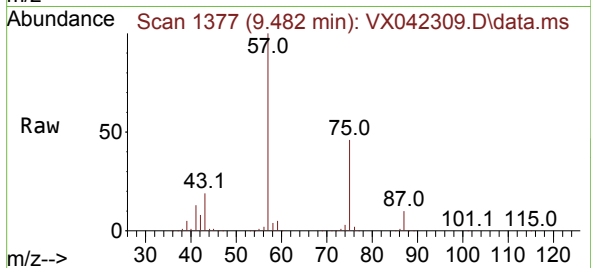
ClientSampleId :

Tgt Ion: 76 Resp: 6111

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.263 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042309.D

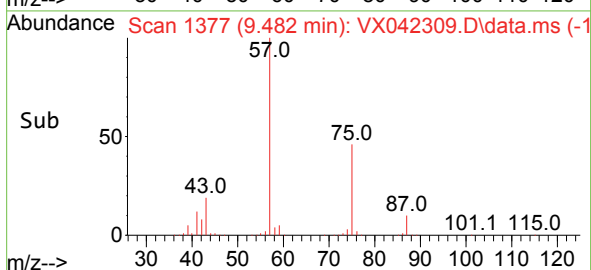
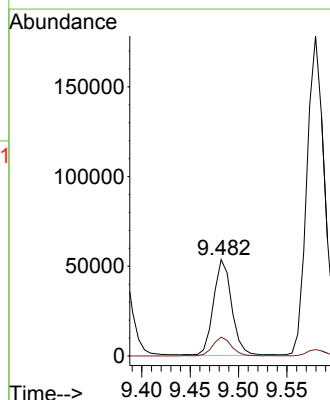
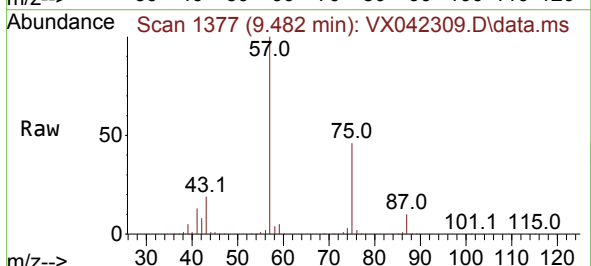
Acq: 12 Jul 2024 17:45

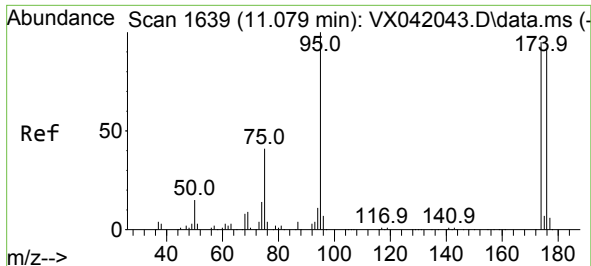
Tgt Ion: 43 Resp: 70737

Ion Ratio Lower Upper

43 100

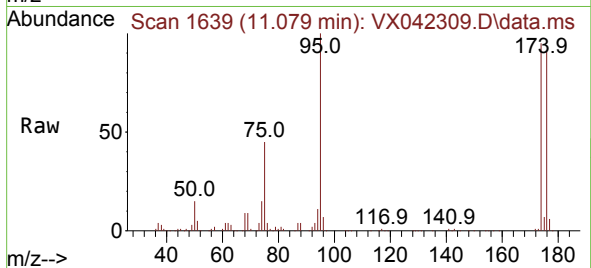
58 20.3 26.2 78.5#



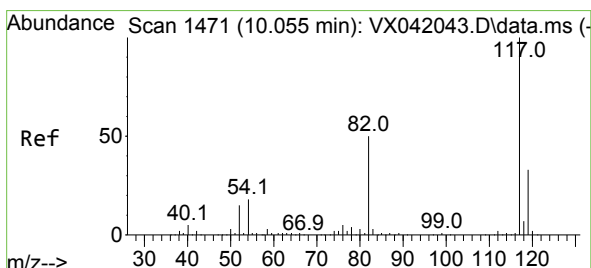
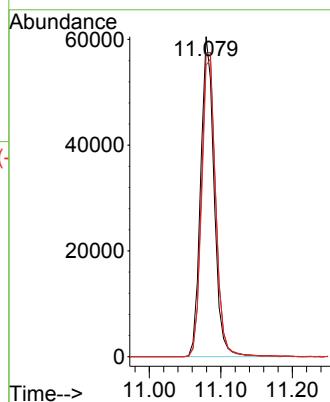
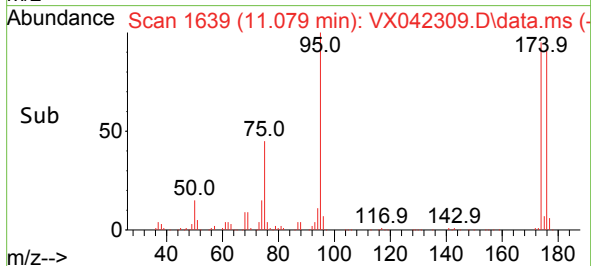


#62
4-Bromofluorobenzene
Concen: 41.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

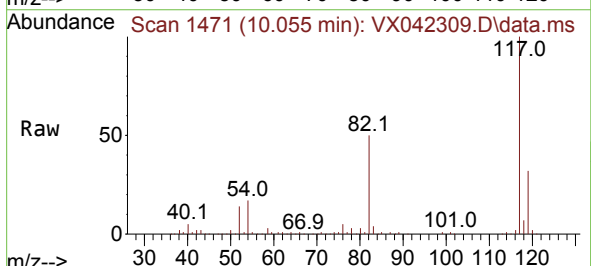
Instrument :
MSVOA_X
ClientSampleId :



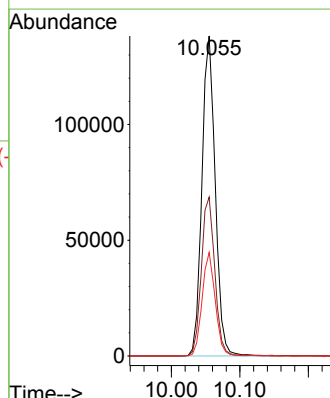
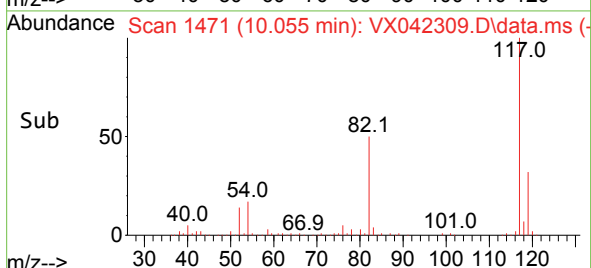
Tgt Ion: 95 Resp: 78847
Ion Ratio Lower Upper
95 100
174 101.0 0.0 135.6
176 97.7 0.0 131.0

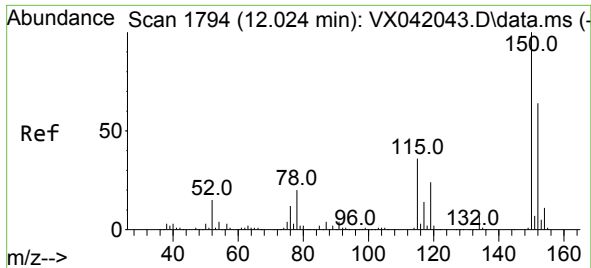


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45



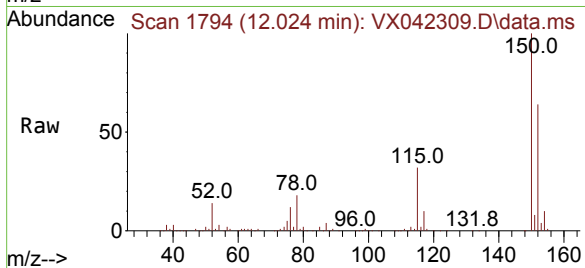
Tgt Ion: 117 Resp: 187293
Ion Ratio Lower Upper
117 100
82 49.6 46.2 69.4
119 32.3 25.5 38.3



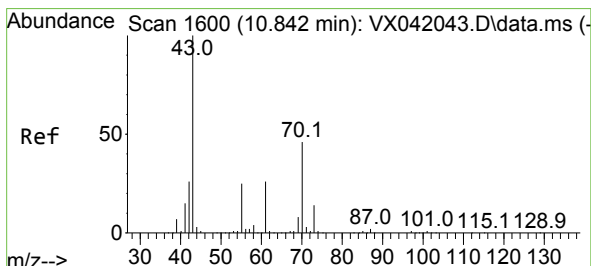
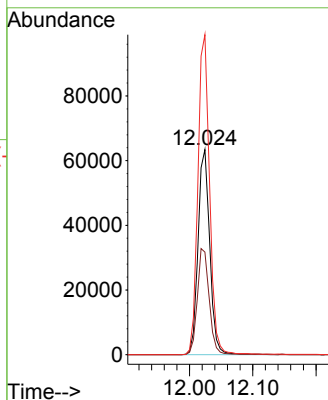
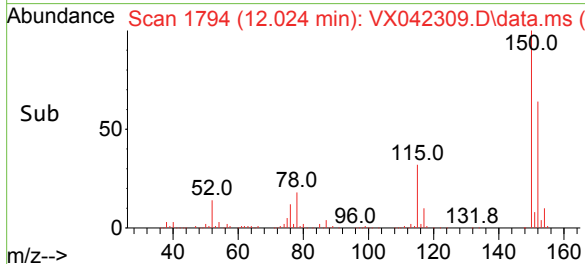


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

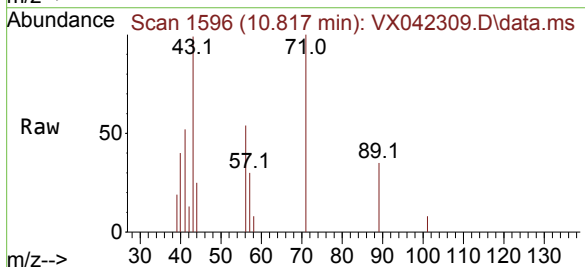
Instrument :
MSVOA_X
ClientSampleId :



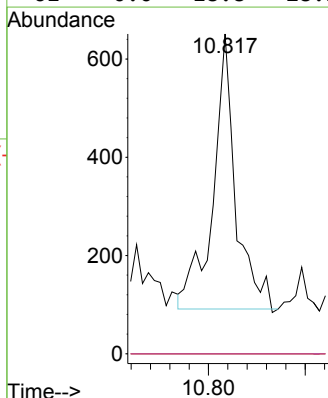
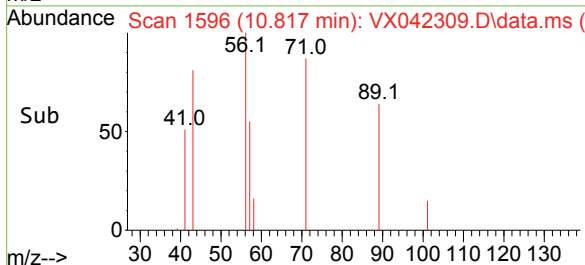
Tgt Ion:152 Resp: 81939
Ion Ratio Lower Upper
152 100
115 52.2 43.3 129.9
150 155.6 0.0 345.0

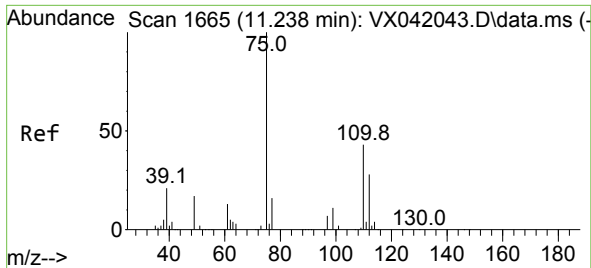


#74
N-ethyl acetate
Concen: 0.408 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45



Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 18.8 28.2#

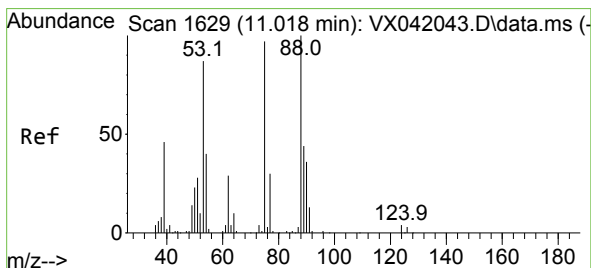
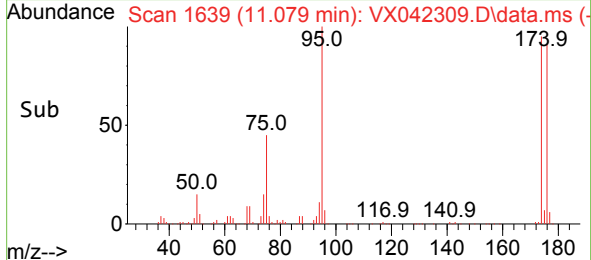
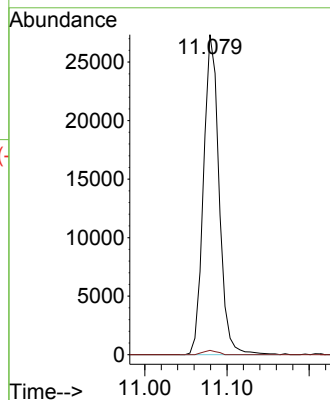
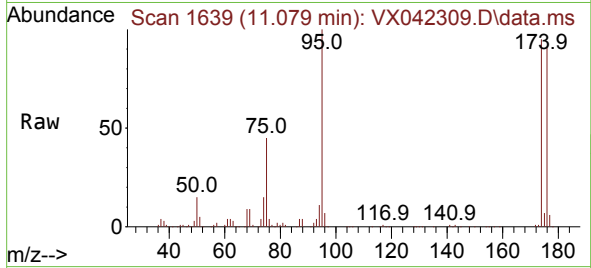




#76
1,2,3-Trichloropropane
Concen: 24.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

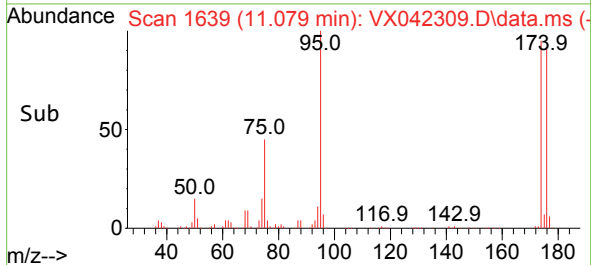
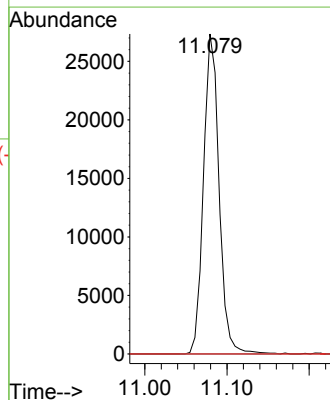
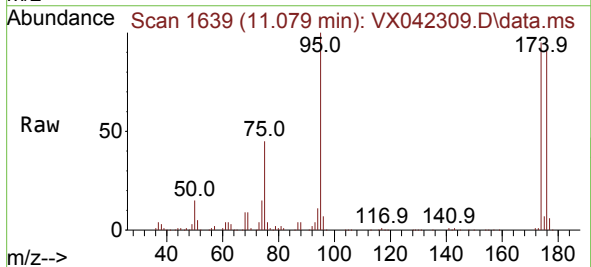
Instrument :
MSVOA_X
ClientSampleId :

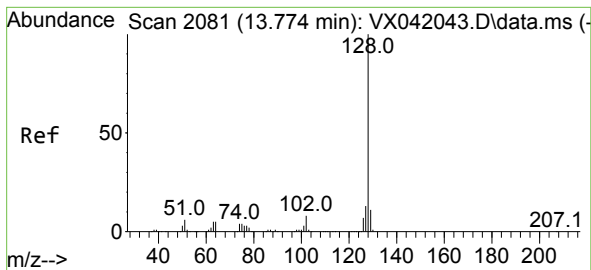
Tgt Ion: 75 Resp: 35981
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

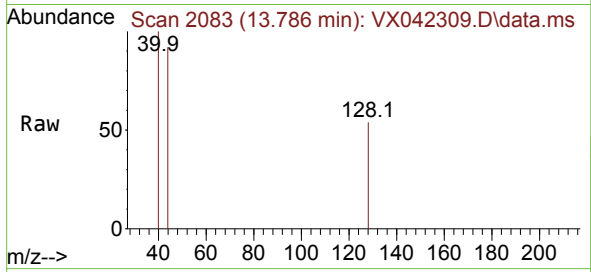
Tgt Ion: 75 Resp: 35981
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.760 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX042309.D
Acq: 12 Jul 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	73
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

