

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039161.D
 Acq On : 12 Dec 2023 13:31
 Operator : JC/MD
 Sample : 05671-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

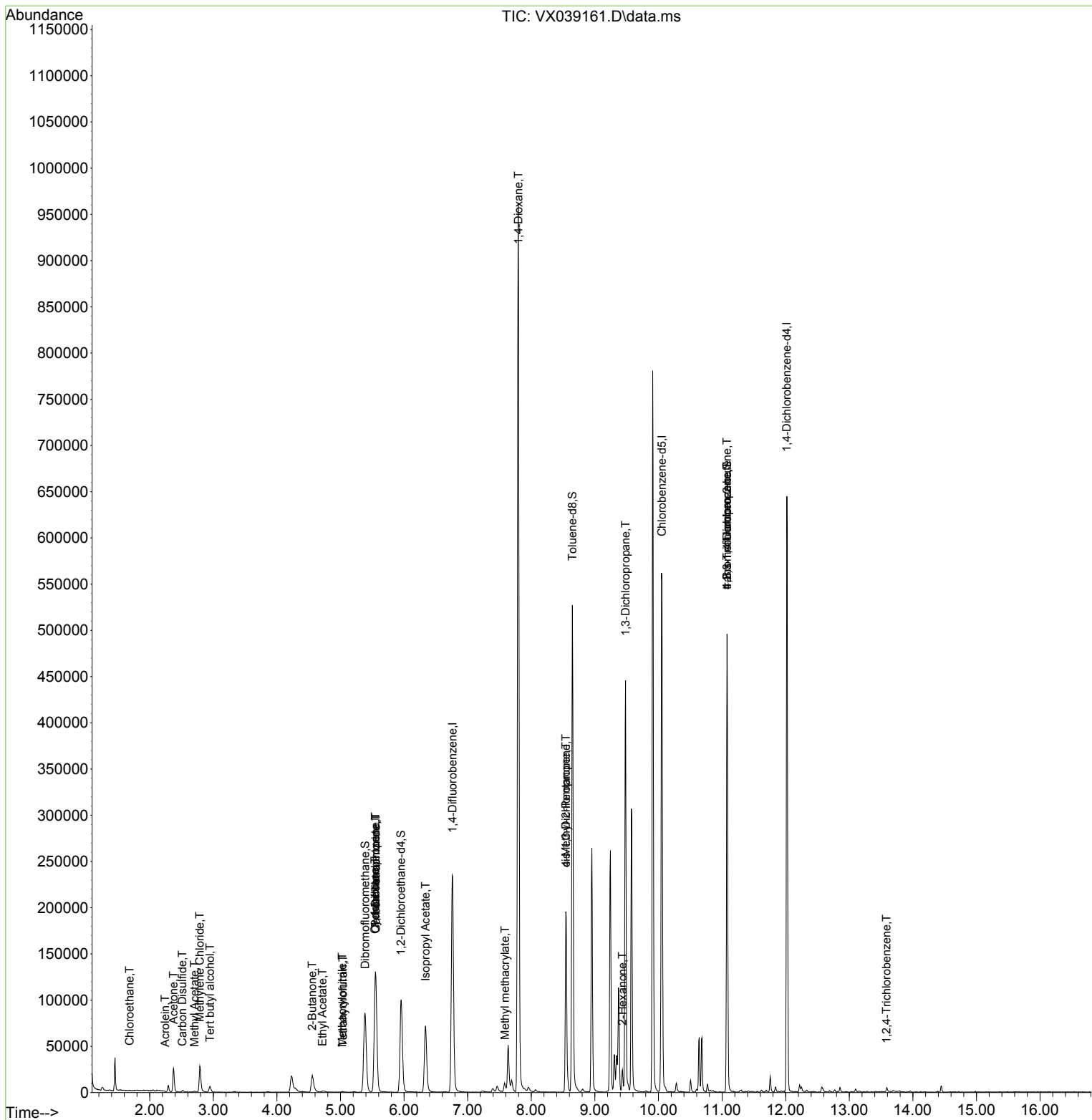
Quant Time: Dec 13 04:15:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

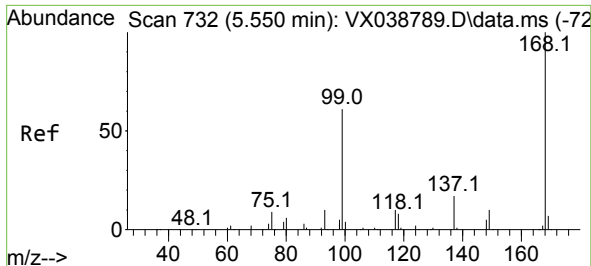
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	120075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98831	54.395	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.800%	
35) Dibromofluoromethane	5.385	113	76660	45.657	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.320%	
50) Toluene-d8	8.647	98	296204	46.108	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.220%	
62) 4-Bromofluorobenzene	11.079	95	136041	52.901	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.800%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	198	0.210	ug/l #	43
11) Tert butyl alcohol	2.947	59	7352	14.549	ug/l #	92
13) Acrolein	2.239	56	93	0.348	ug/l #	72
16) Acetone	2.374	43	26375	27.269	ug/l	93
17) Carbon Disulfide	2.514	76	942	0.216	ug/l	100
18) Methyl Acetate	2.703	43	1374	0.299	ug/l #	82
20) Methylene Chloride	2.788	84	13249	7.599	ug/l	94
25) 2-Butanone	4.556	43	31428	20.037	ug/l	99
29) Tetrahydrofuran	5.038	42	799	0.802	ug/l #	54
31) Cyclohexane	5.544	56	3180	1.226	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	11031	4.584	ug/l #	50
37) Ethyl Acetate	4.715	43	3017	0.962	ug/l #	74
38) Carbon Tetrachloride	5.556	117	12647	5.686	ug/l #	14
41) Methacrylonitrile	5.026	41	363	0.223	ug/l #	25
43) Isopropyl Acetate	6.336	43	102298	20.416	ug/l	99
48) Methyl methacrylate	7.586	41	4038	1.661	ug/l #	39
49) 1,4-Dioxane	7.799	88	79	1.680	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	73165	22.849	ug/l #	50
54) cis-1,3-Dichloropropene	8.543	75	30474	9.792	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3893	1.277	ug/l #	42
59) 2-Hexanone	9.433	43	14318	5.579	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	74200	24.768	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	74200	54.937	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	749	0.286	ug/l	96

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

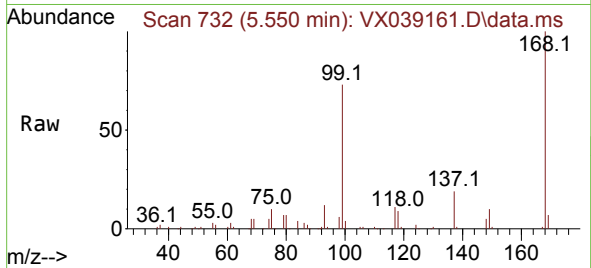
Quant Time: Dec 13 04:15:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



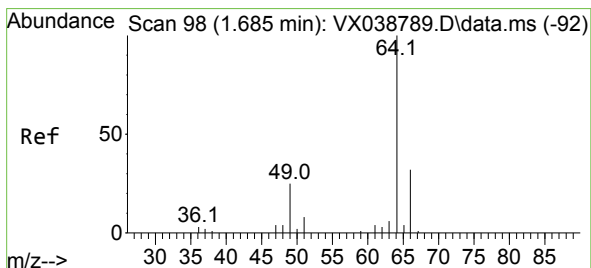
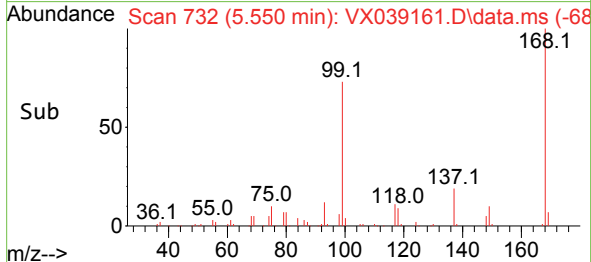
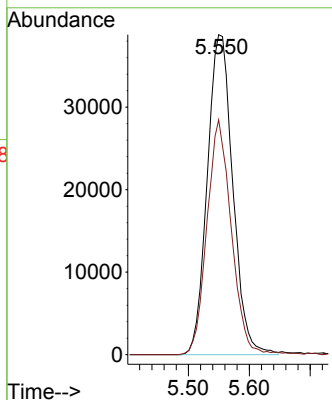


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :

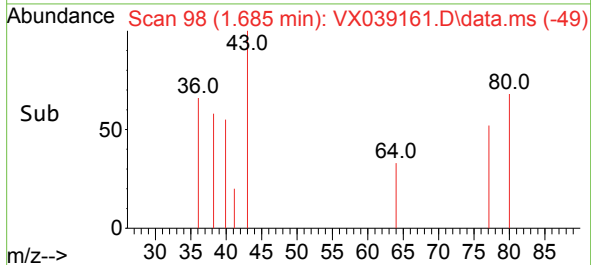
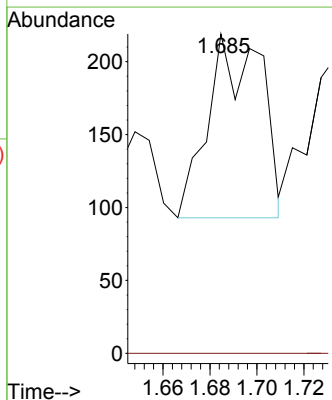
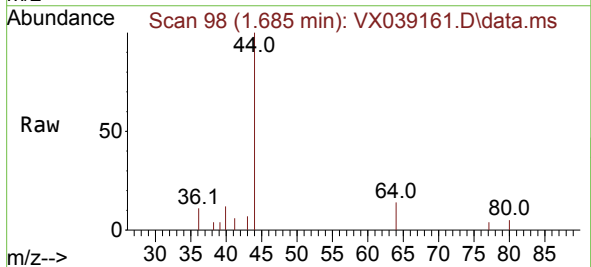


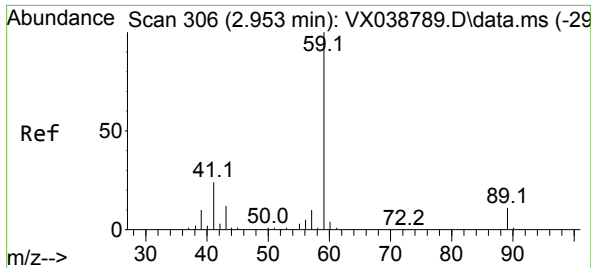
Tgt Ion:168 Resp: 112757
Ion Ratio Lower Upper
168 100
99 73.4 56.6 85.0



#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 14.549 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039161.D

Acq: 12 Dec 2023 13:31

Instrument :

MSVOA_X

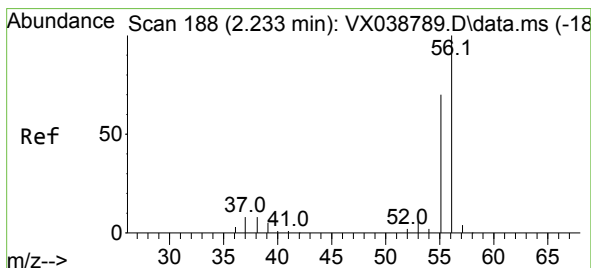
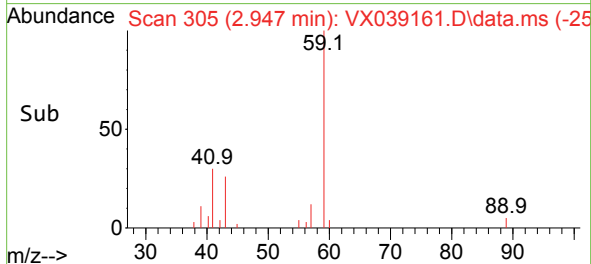
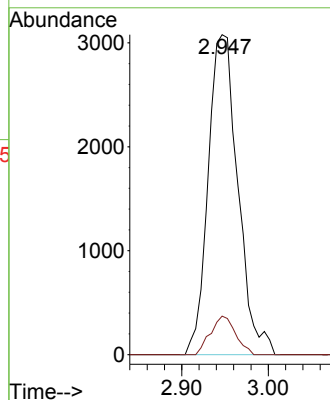
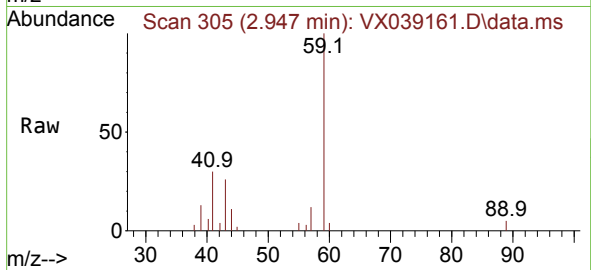
ClientSampleId :

Tgt Ion: 59 Resp: 7352

Ion Ratio Lower Upper

59 100

57 10.1 6.0 9.0#



#13

Acrolein

Concen: 0.348 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX039161.D

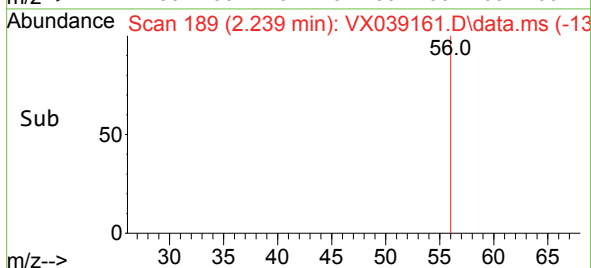
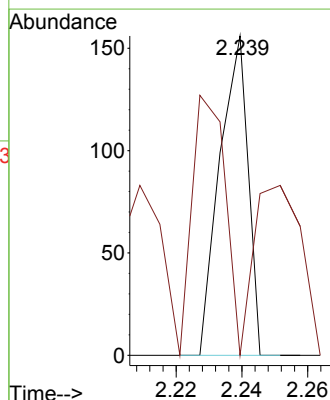
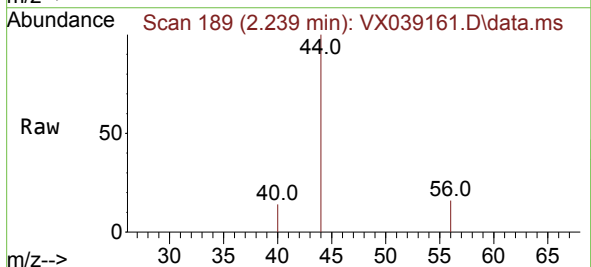
Acq: 12 Dec 2023 13:31

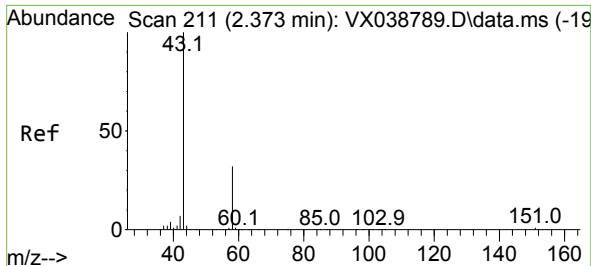
Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 94.6 57.1 85.7#

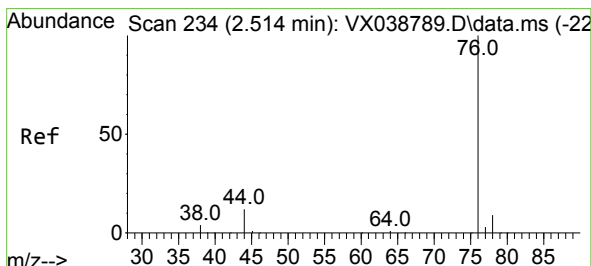
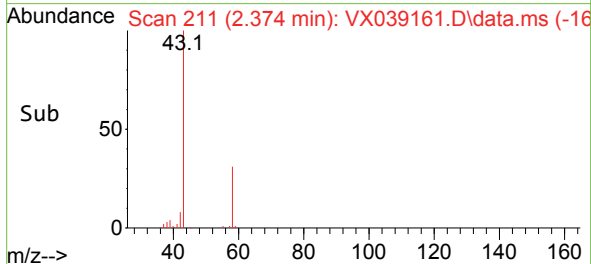
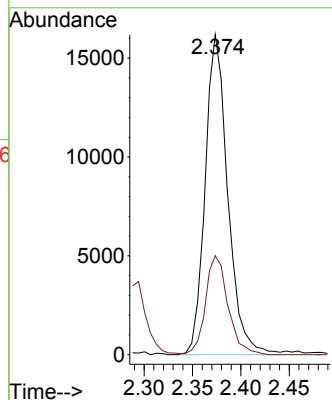
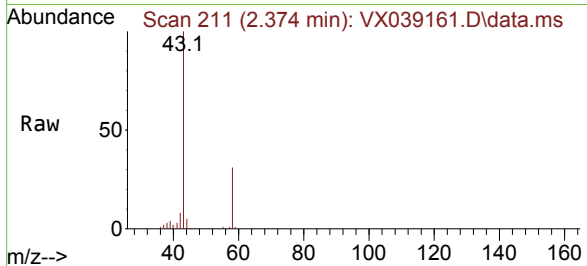




#16
Acetone
Concen: 27.269 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

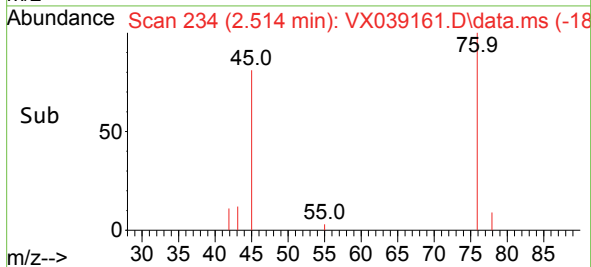
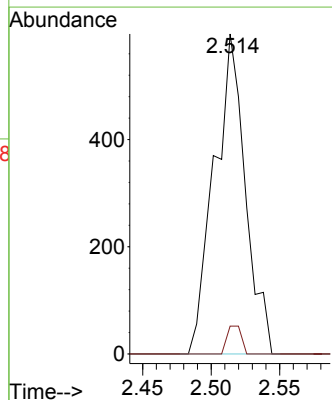
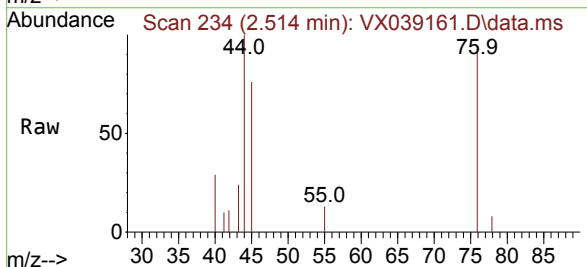
Instrument :
MSVOA_X
ClientSampleId :

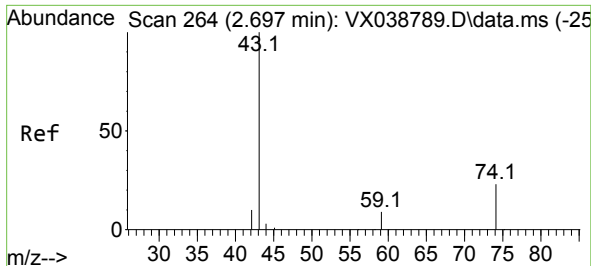
Tgt Ion: 43 Resp: 26375
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion: 76 Resp: 942
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6





#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

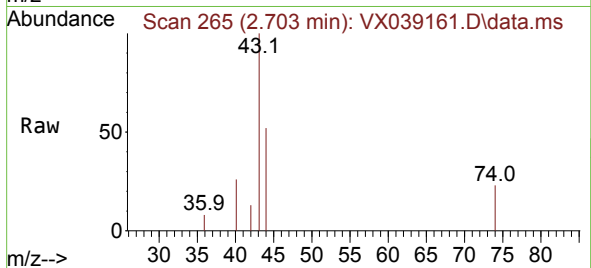
Lab File: VX039161.D

Acq: 12 Dec 2023 13:31

Instrument :

MSVOA_X

ClientSampleId :

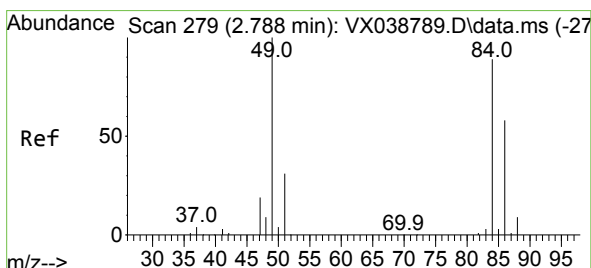
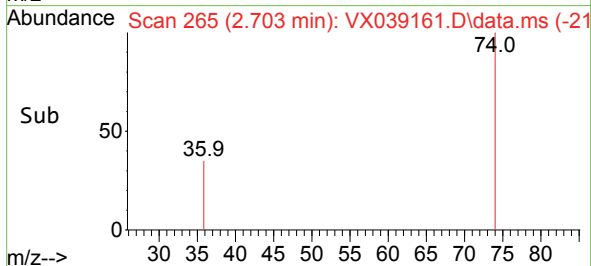
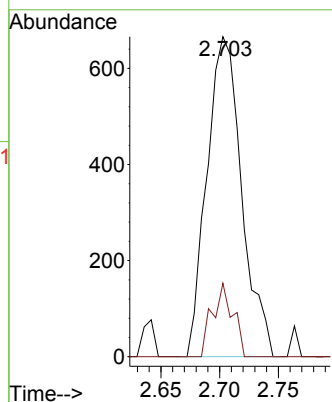


Tgt Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

74 13.5 17.8 26.8#



#20

Methylene Chloride

Concen: 7.599 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039161.D

Acq: 12 Dec 2023 13:31

Tgt Ion: 84 Resp: 13249

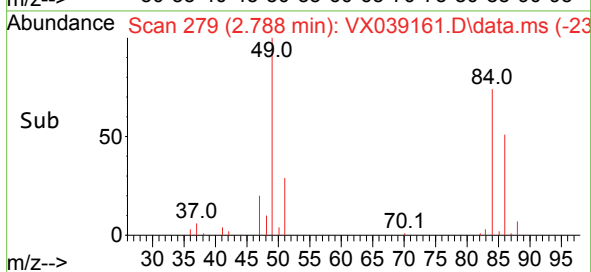
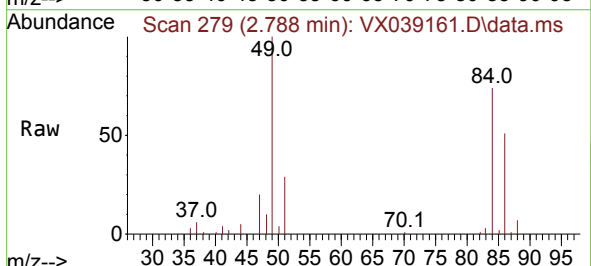
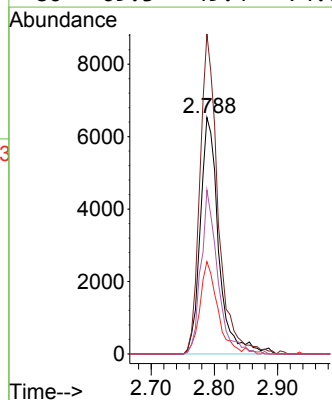
Ion Ratio Lower Upper

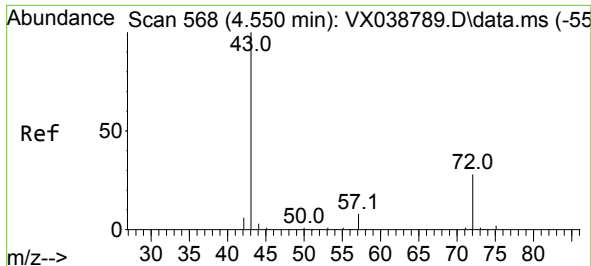
84 100

49 135.3 103.6 155.4

51 39.1 33.8 50.6

86 69.3 49.4 74.0

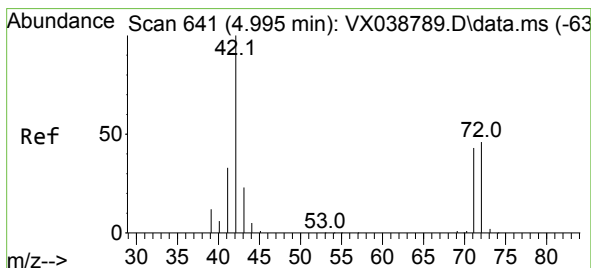
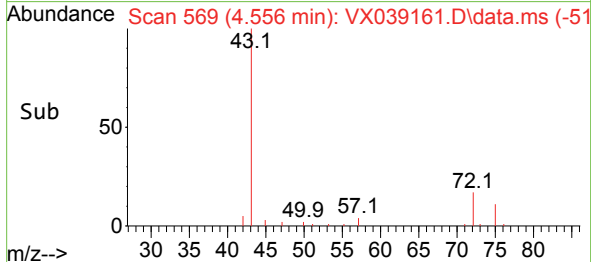
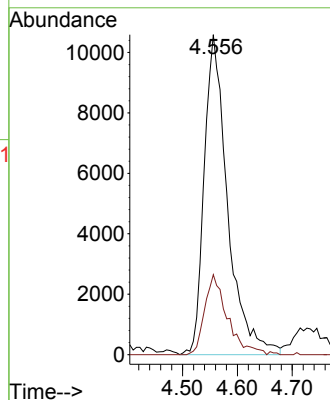
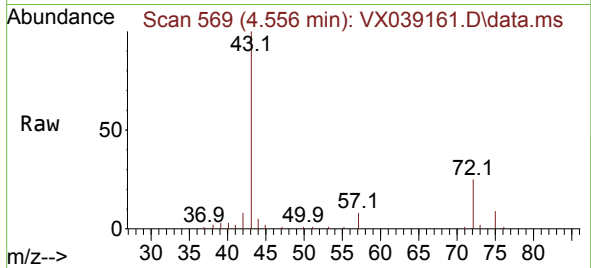




#25
2-Butanone
Concen: 20.037 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

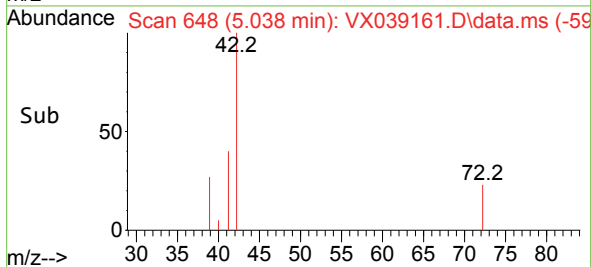
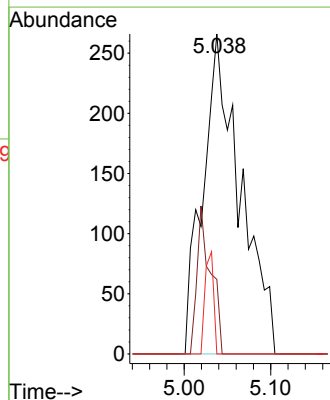
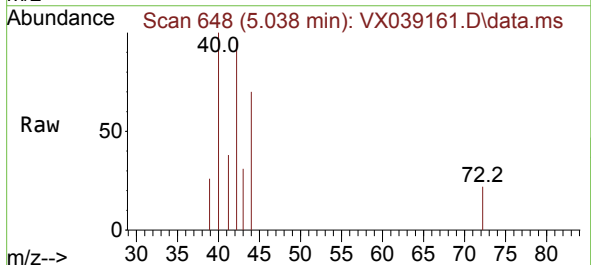
Instrument :
MSVOA_X
ClientSampleId :

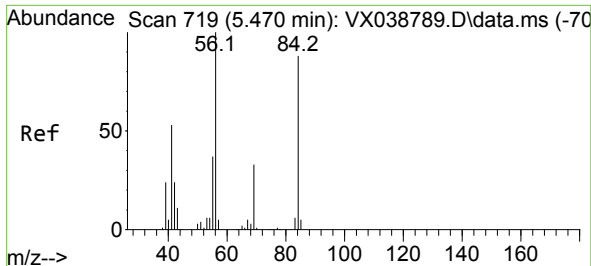
Tgt Ion: 43 Resp: 31428
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.802 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

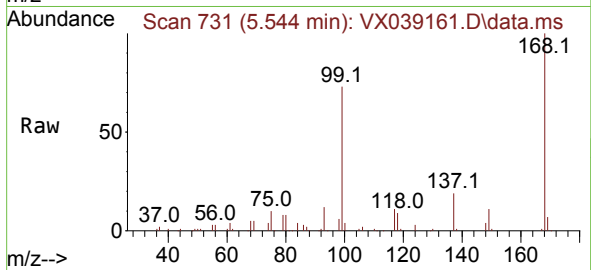
Tgt Ion: 42 Resp: 799
Ion Ratio Lower Upper
42 100
72 17.1 34.2 51.4#
71 7.3 32.2 48.2#



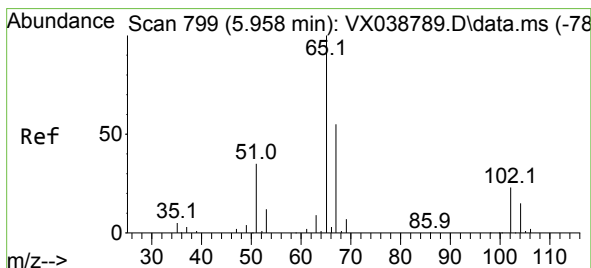
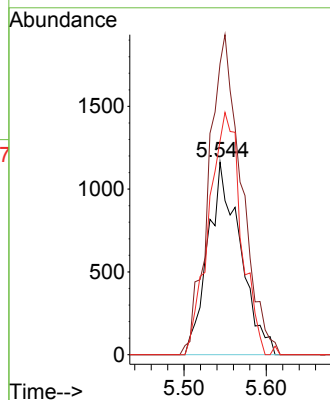
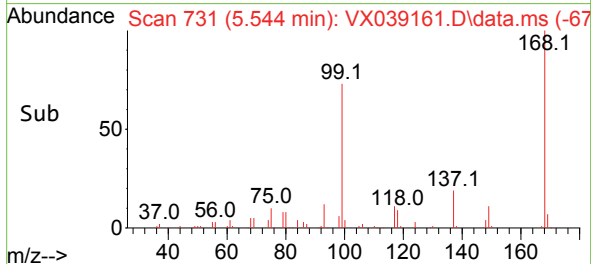


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :

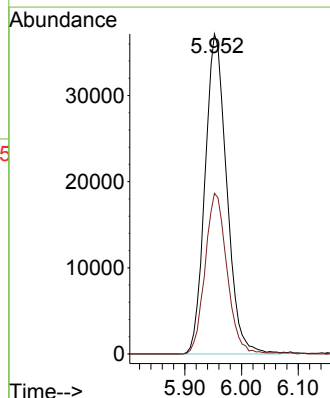
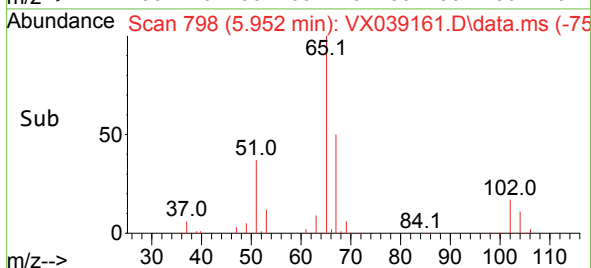
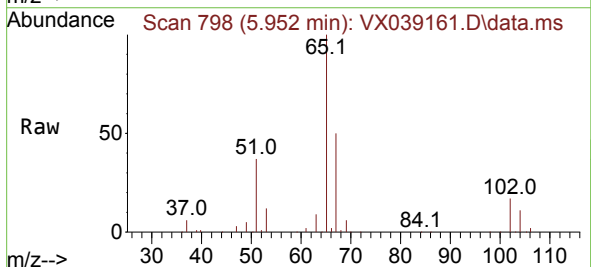


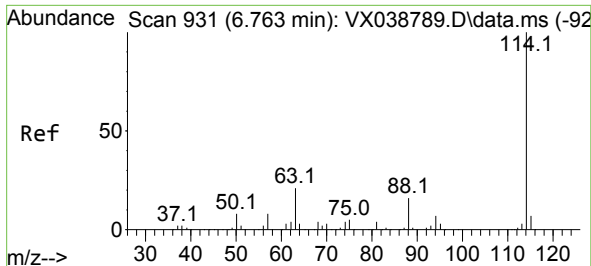
Tgt Ion: 56 Resp: 3180
Ion Ratio Lower Upper
56 100
69 151.2 23.4 35.2#
84 111.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.395 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion: 65 Resp: 98831
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

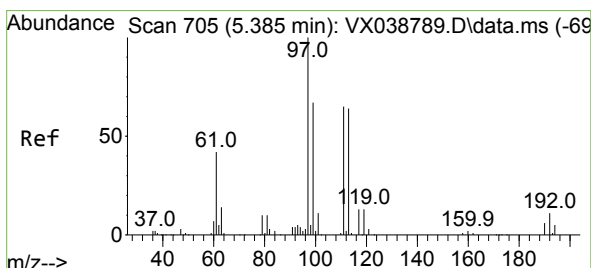
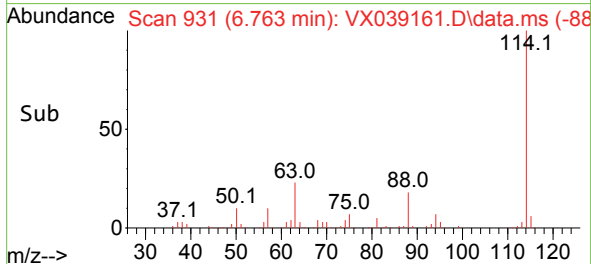
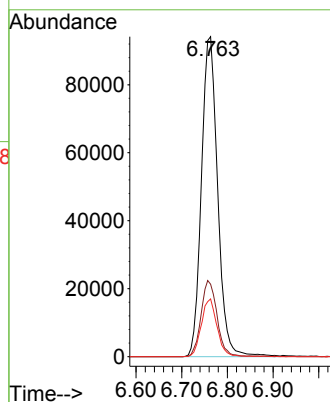
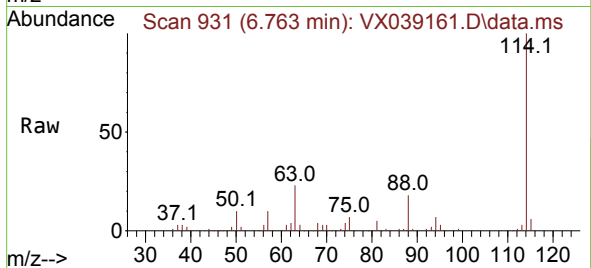




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

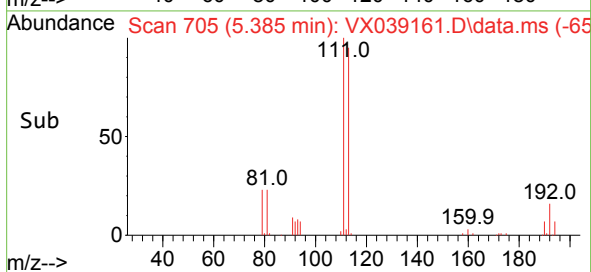
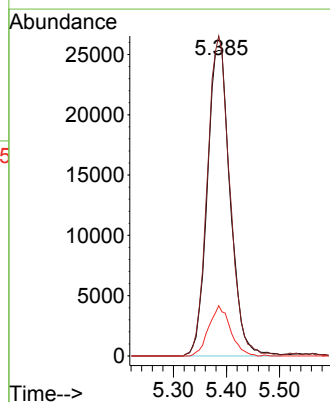
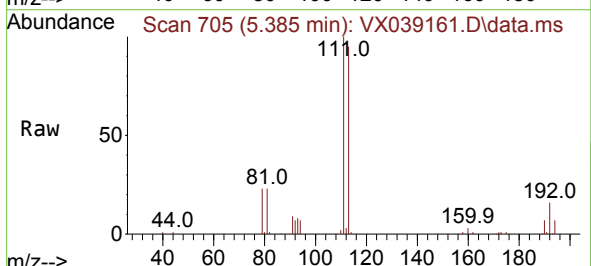
Instrument :
MSVOA_X
ClientSampleId :

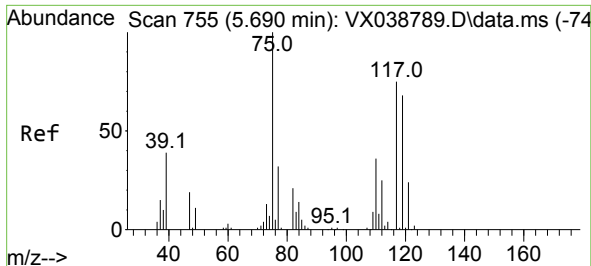
Tgt Ion:114 Resp: 232484
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 18.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.657 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion:113 Resp: 76660
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 15.4 13.3 19.9

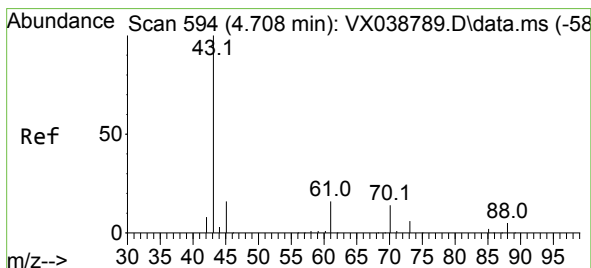
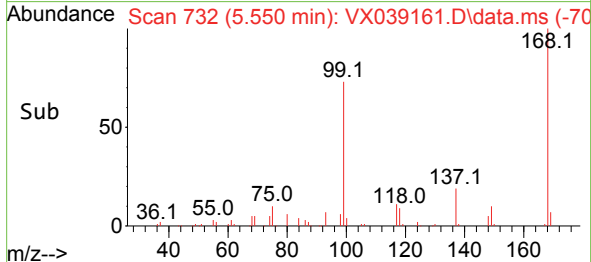
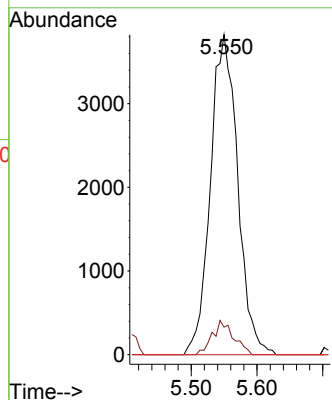
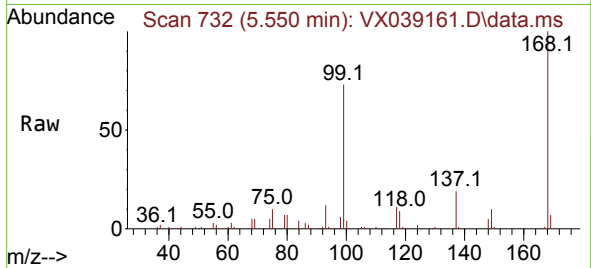




#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

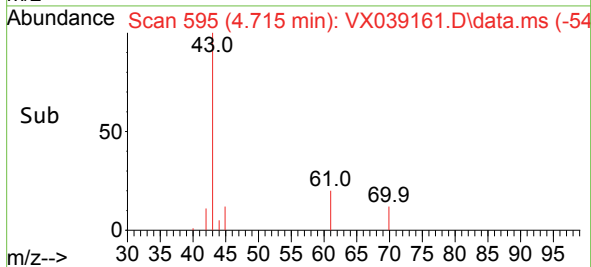
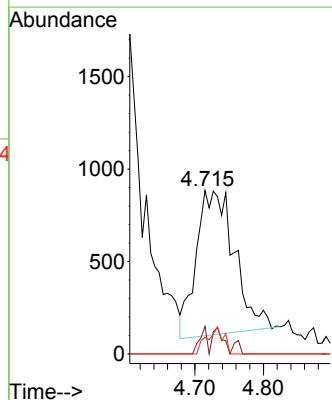
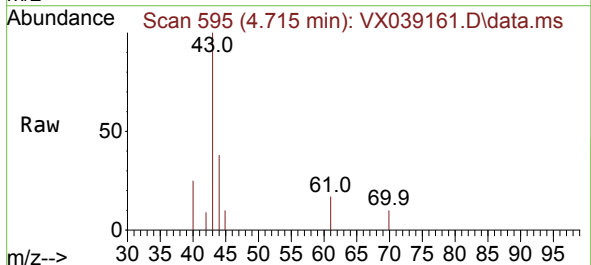
Instrument :
MSVOA_X
ClientSampleId :

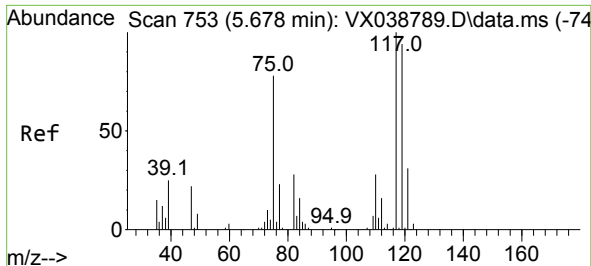
Tgt Ion: 75 Resp: 11031
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

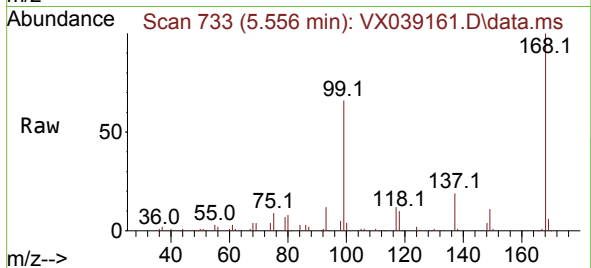
Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
61 3.5 10.6 16.0#
70 0.0 8.3 12.5#



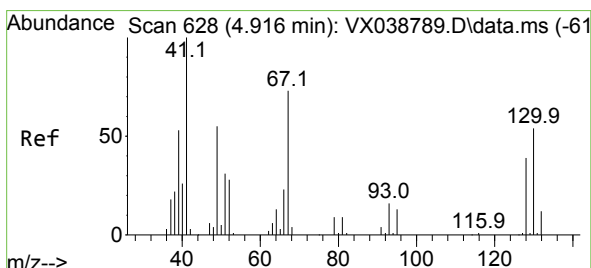
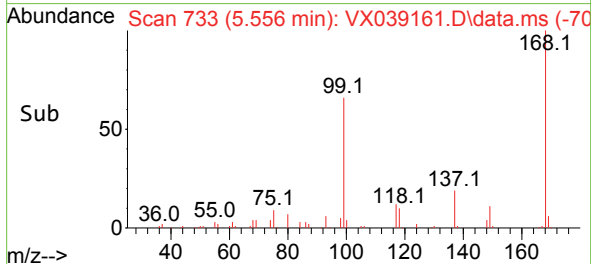
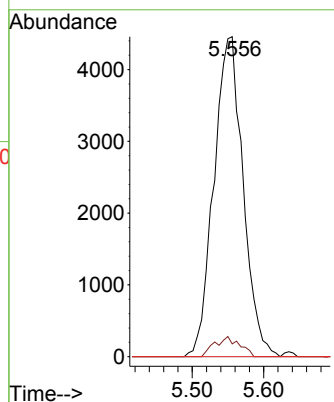


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :

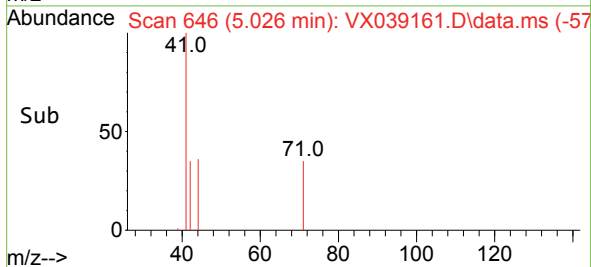
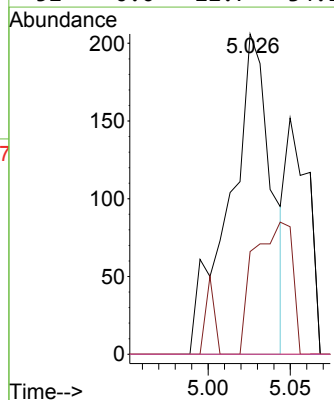
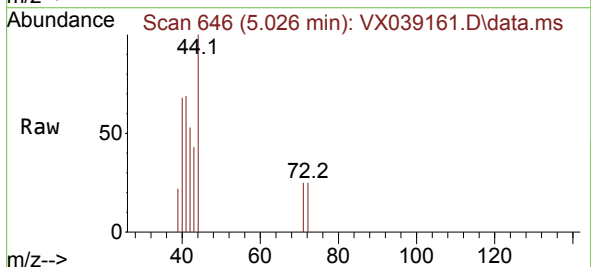


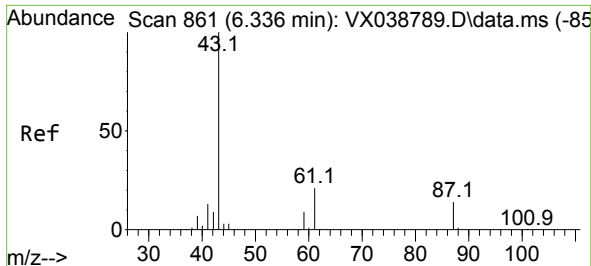
Tgt Ion:117 Resp: 12647
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.223 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

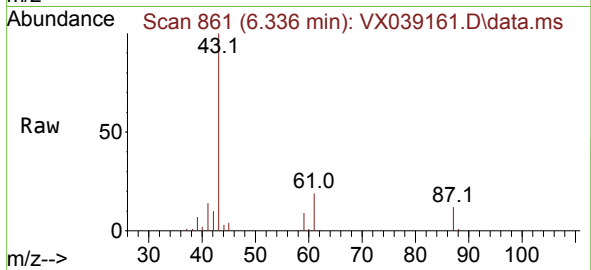
Tgt Ion: 41 Resp: 363
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



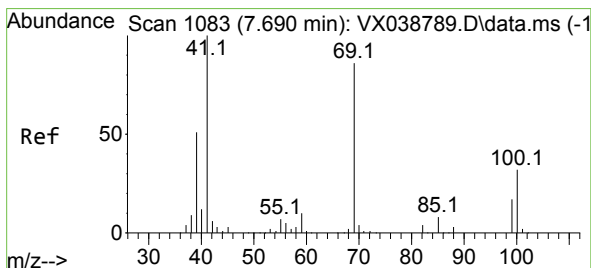
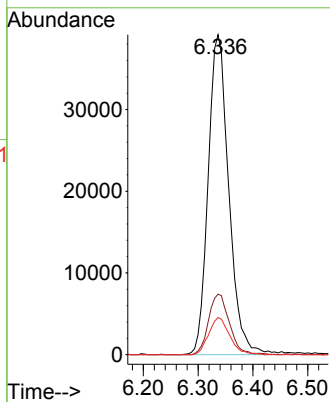
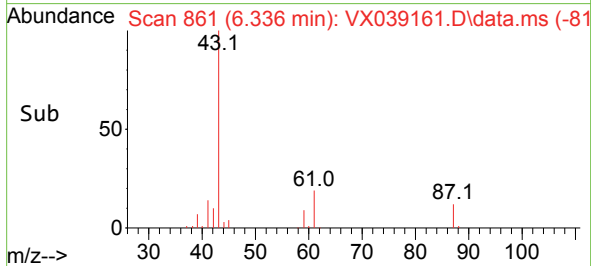


#43
Isopropyl Acetate
Concen: 20.416 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

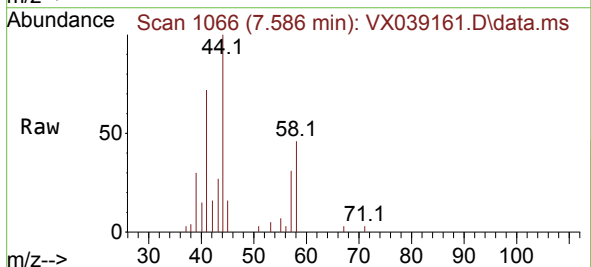
Instrument :
MSVOA_X
ClientSampleId :



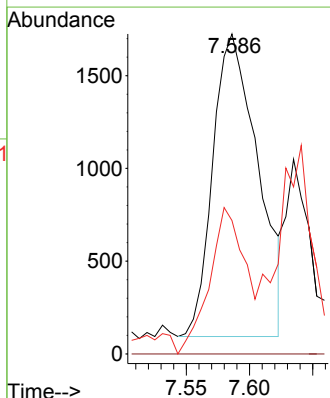
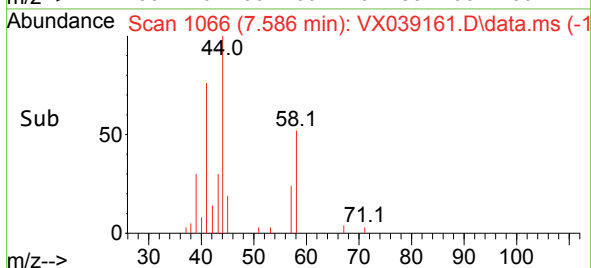
Tgt Ion: 43 Resp: 102298
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.8 9.8 14.6

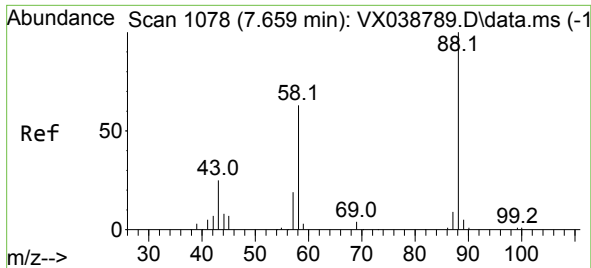


#48
Methyl methacrylate
Concen: 1.661 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.104 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31



Tgt Ion: 41 Resp: 4038
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 38.3 47.7 71.5#

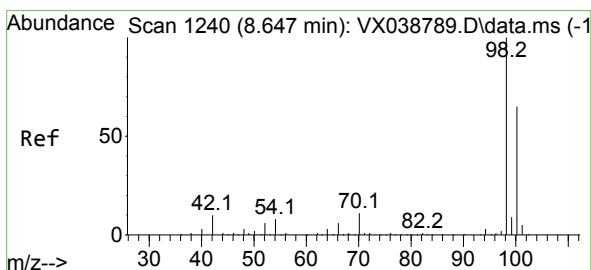
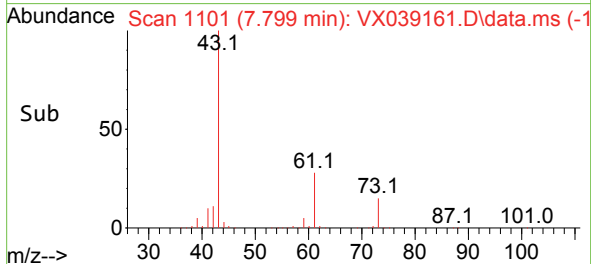
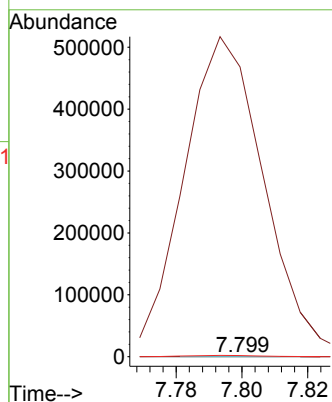
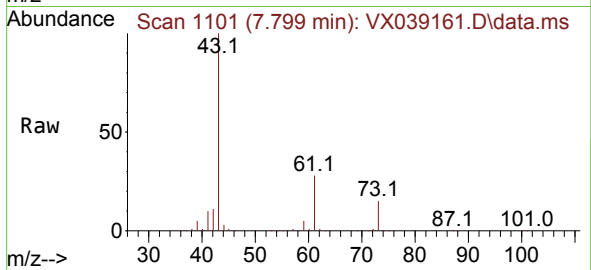




#49
 1,4-Dioxane
 Concen: 1.680 ug/l
 RT: 7.799 min Scan# 1101
 Delta R.T. 0.140 min
 Lab File: VX039161.D
 Acq: 12 Dec 2023 13:31

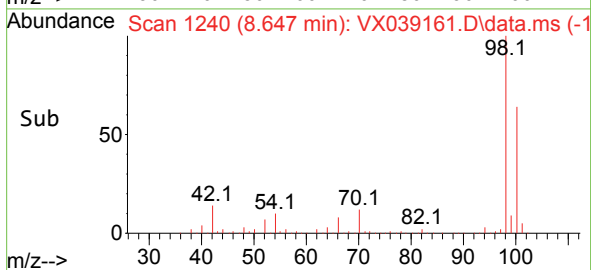
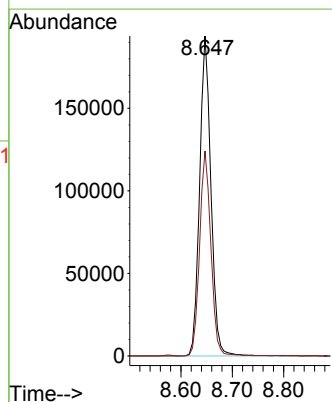
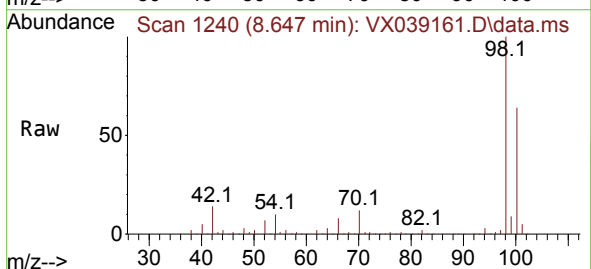
Instrument :
 MSVOA_X
 ClientSampleId :

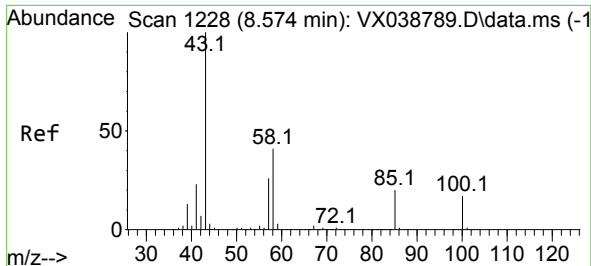
Tgt Ion: 88 Resp: 79
 Ion Ratio Lower Upper
 88 100
 43 1138979.7 0.0 0.0#
 58 4351.9 60.1 90.1#



#50
 Toluene-d8
 Concen: 46.108 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX039161.D
 Acq: 12 Dec 2023 13:31

Tgt Ion: 98 Resp: 296204
 Ion Ratio Lower Upper
 98 100
 100 63.9 53.1 79.7

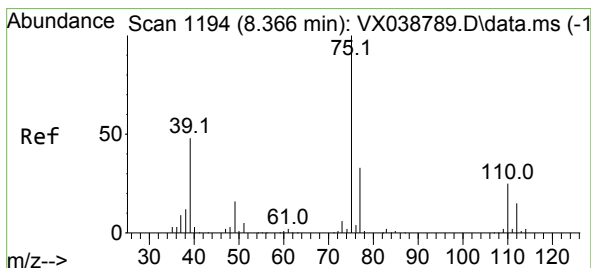
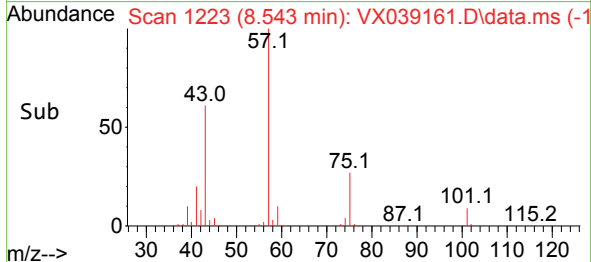
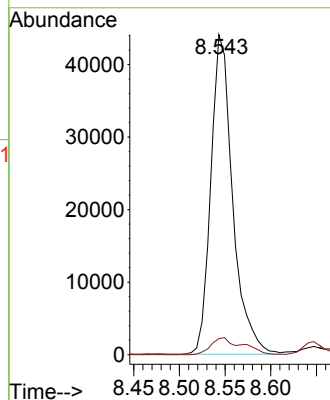
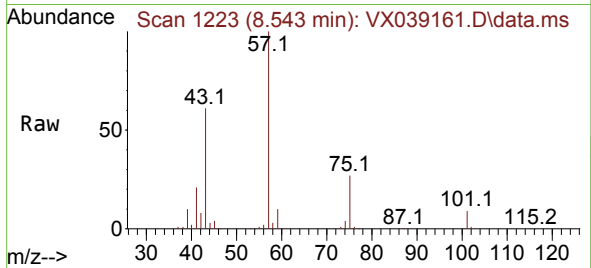




#51
4-Methyl-2-Pentanone
Concen: 22.849 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

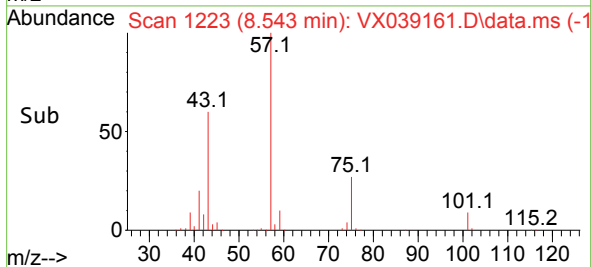
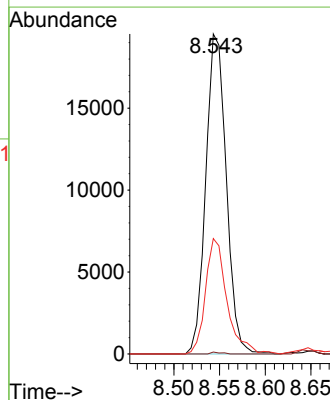
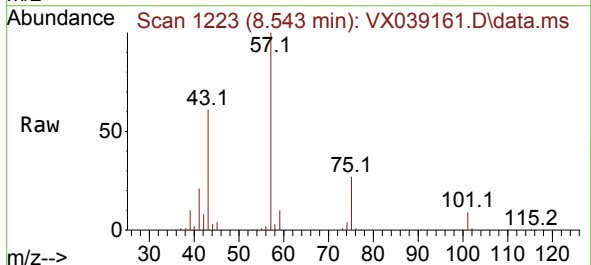
Instrument :
MSVOA_X
ClientSampleId :

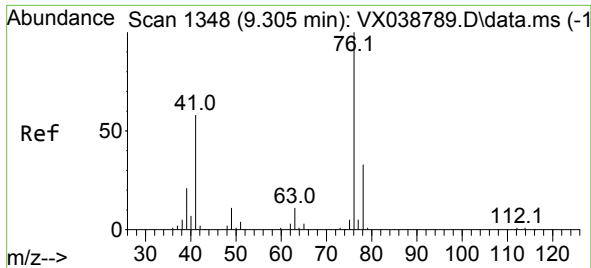
Tgt Ion: 43 Resp: 73165
Ion Ratio Lower Upper
43 100
58 7.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 9.792 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion: 75 Resp: 30474
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 36.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.277 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX039161.D

Acq: 12 Dec 2023 13:31

Instrument :

MSVOA_X

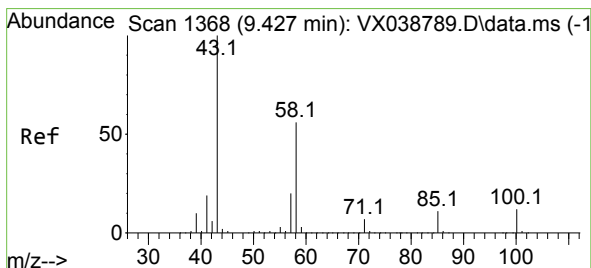
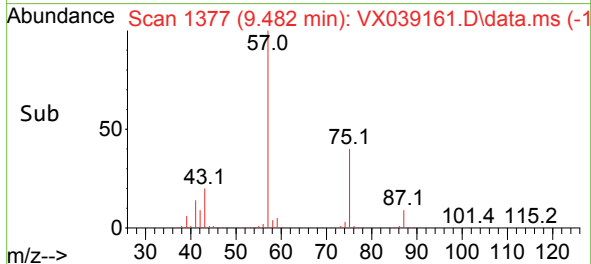
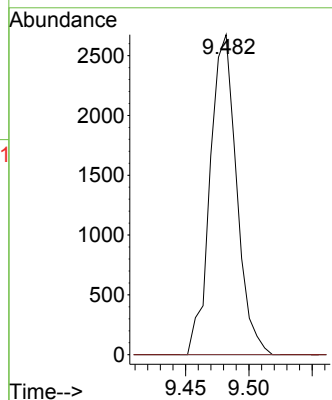
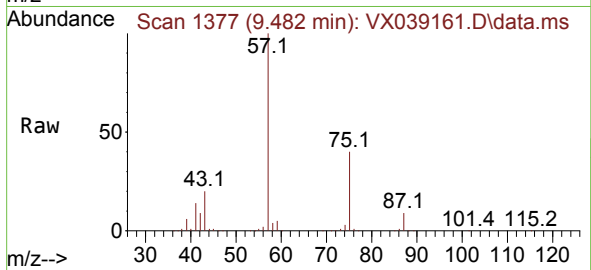
ClientSampleId :

Tgt Ion: 76 Resp: 3893

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 5.579 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX039161.D

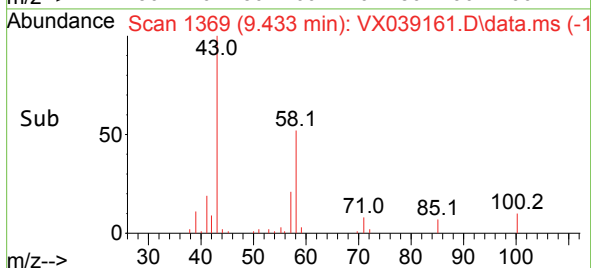
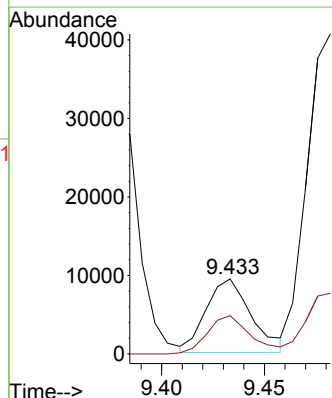
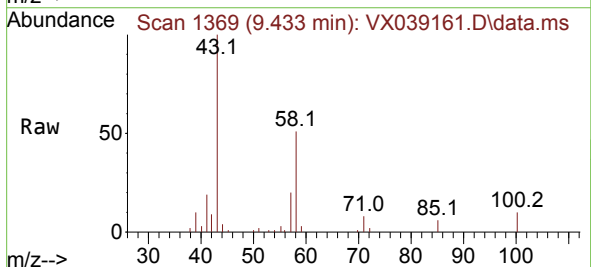
Acq: 12 Dec 2023 13:31

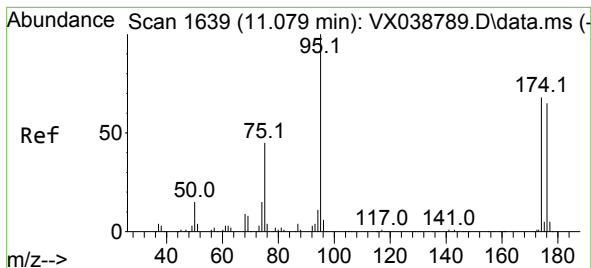
Tgt Ion: 43 Resp: 14318

Ion Ratio Lower Upper

43 100

58 50.1 26.2 78.5

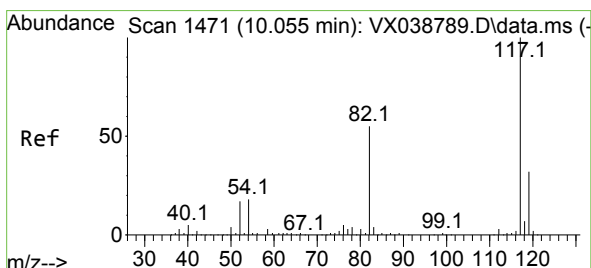
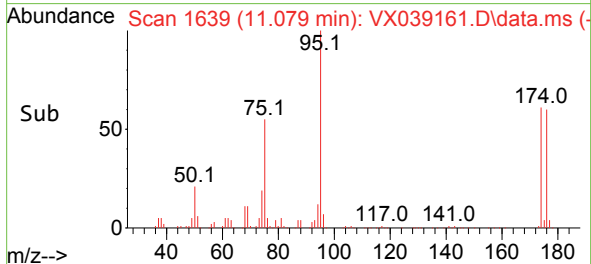
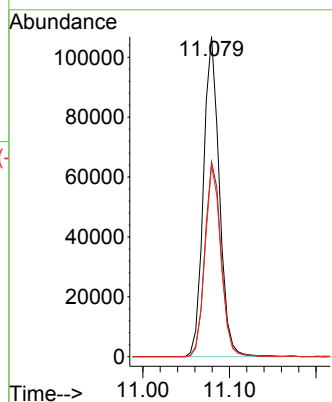
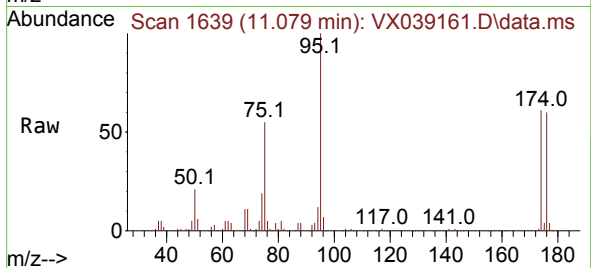




#62
4-Bromofluorobenzene
Concen: 52.901 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

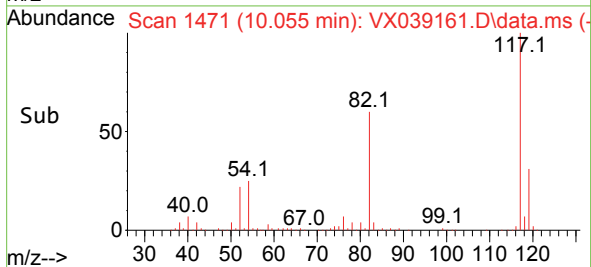
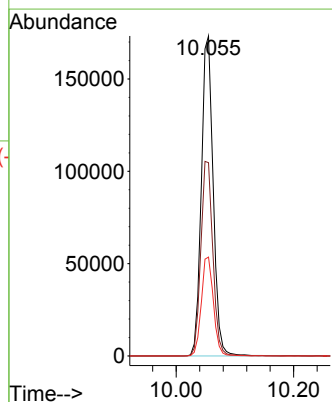
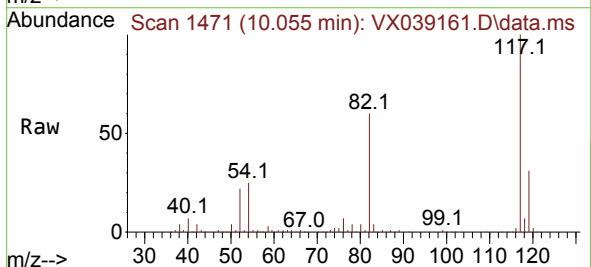
Instrument :
MSVOA_X
ClientSampleId :

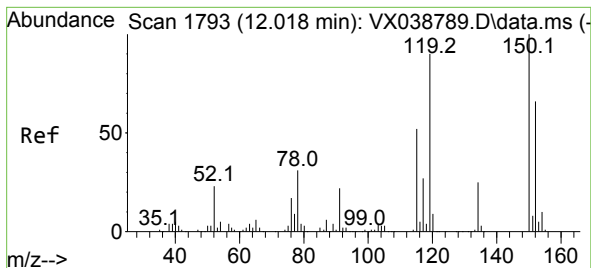
Tgt Ion: 95 Resp: 136041
Ion Ratio Lower Upper
95 100
174 62.2 0.0 135.6
176 60.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion: 117 Resp: 242400
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 30.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039161.D

Acq: 12 Dec 2023 13:31

Instrument :

MSVOA_X

ClientSampleId :

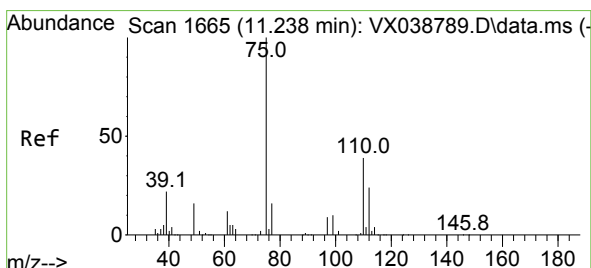
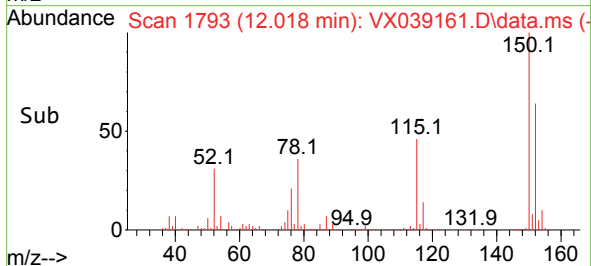
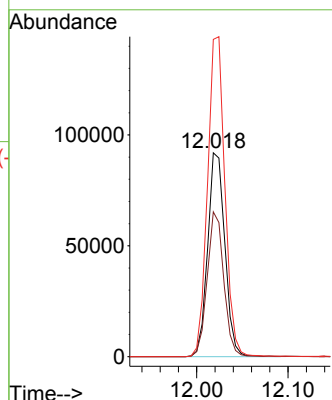
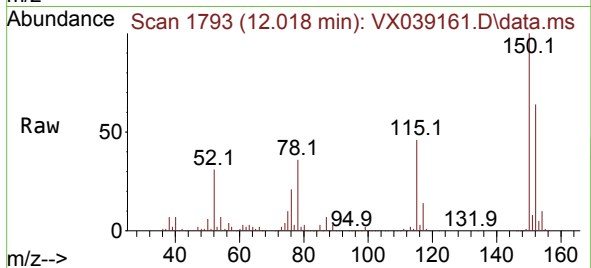
Tgt Ion:152 Resp: 120075

Ion Ratio Lower Upper

152 100

115 68.4 43.3 129.9

150 158.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.768 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039161.D

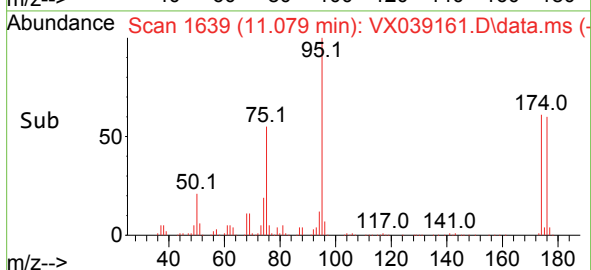
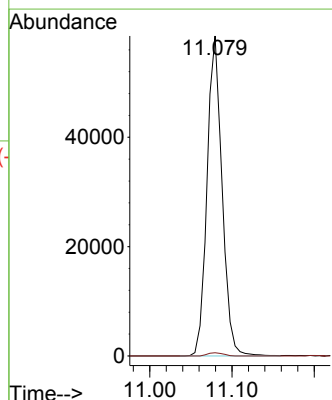
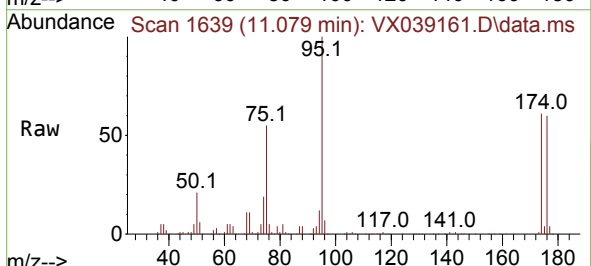
Acq: 12 Dec 2023 13:31

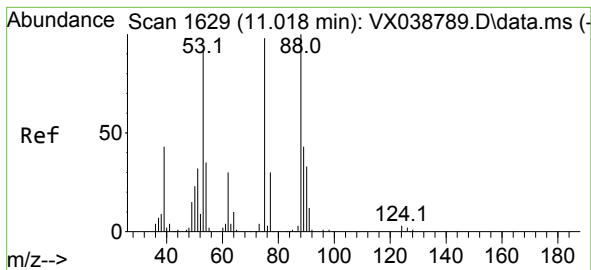
Tgt Ion: 75 Resp: 74200

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

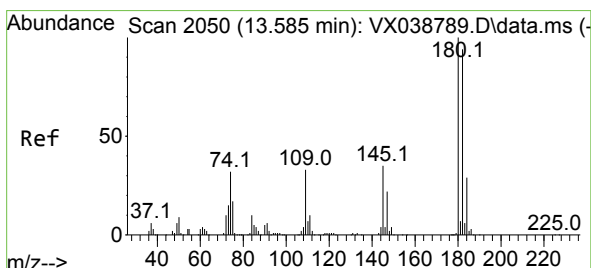
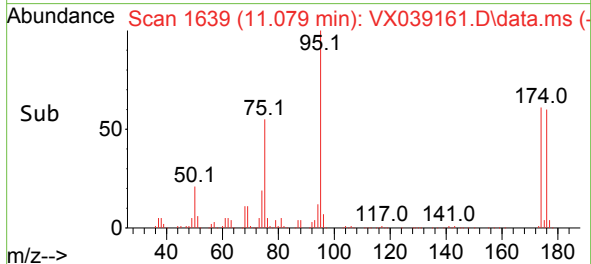
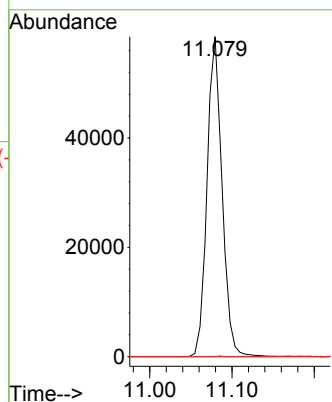
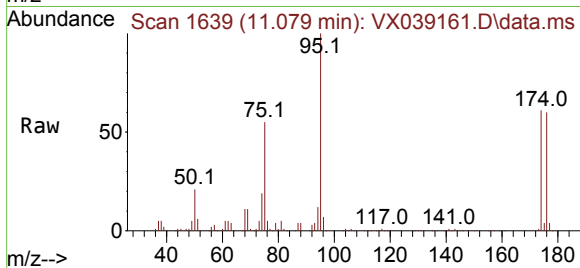




#81
trans-1,4-Dichloro-2-butene
Concen: 54.937 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 74200
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.286 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX039161.D
Acq: 12 Dec 2023 13:31

Tgt Ion:180 Resp: 749
Ion Ratio Lower Upper
180 100
182 97.1 48.3 144.8
145 28.3 18.0 54.0

