

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037589.D
 Acq On : 07 Sep 2023 19:32
 Operator : JC/MD
 Sample : 04305-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:49:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

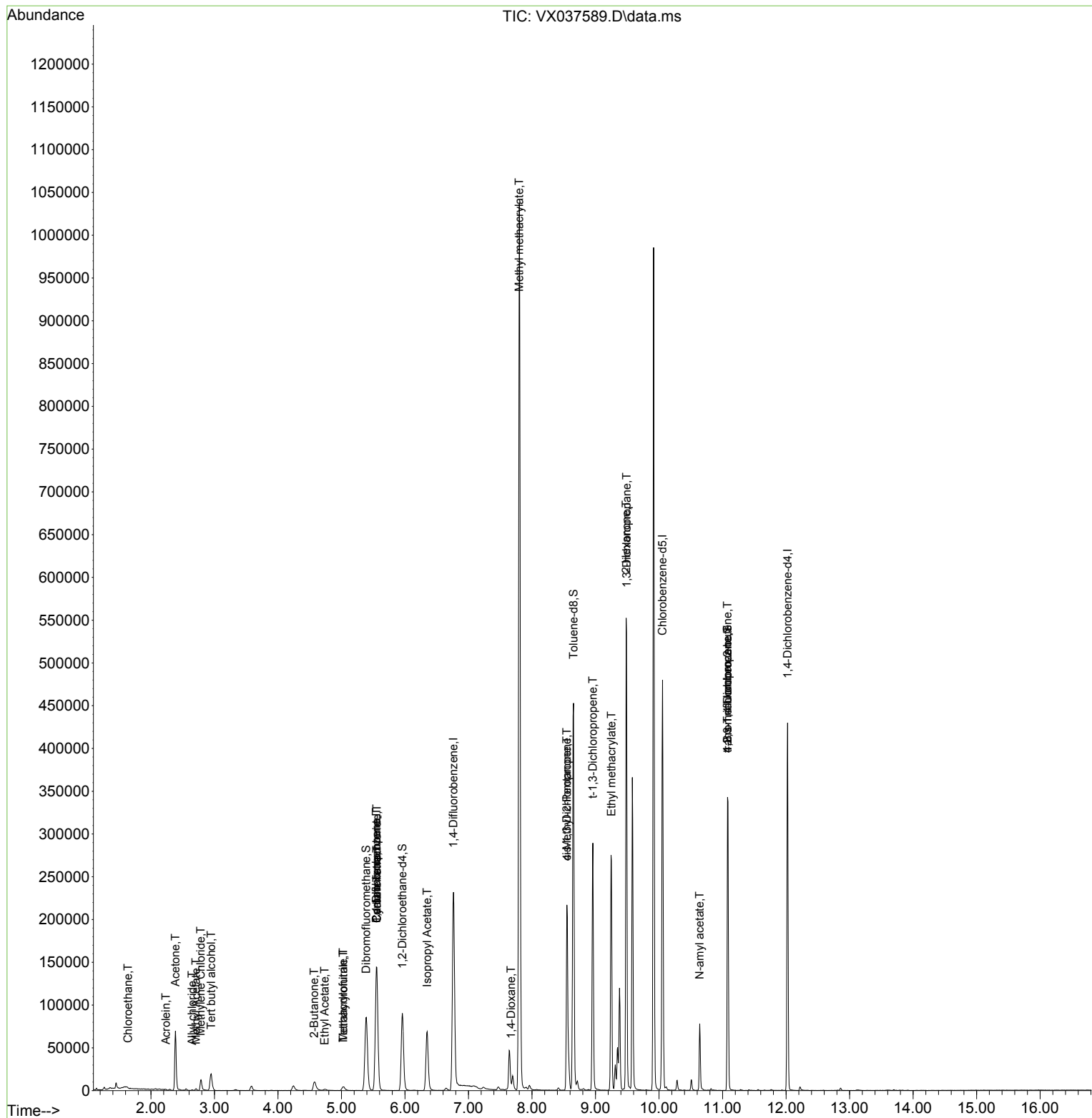
Internal Standards						
1) Pentafluorobenzene	5.550	168	141109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243160	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87285	42.906	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.820%		
35) Dibromofluoromethane	5.385	113	79148	49.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.300%		
50) Toluene-d8	8.653	98	285231	48.828	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	103189	44.950	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.900%		
Target Compounds					Qvalue	
6) Chloroethane	1.636	64	691	0.752	ug/l #	43
11) Tert butyl alcohol	2.947	59	12804	26.831	ug/l #	81
13) Acrolein	2.233	56	266	0.733	ug/l #	37
14) Allyl chloride	2.648	41	656	0.292	ug/l #	36
16) Acetone	2.386	43	71168	89.424	ug/l #	85
18) Methyl Acetate	2.709	43	2430	0.811	ug/l	92
20) Methylene Chloride	2.782	84	7170	4.029	ug/l #	86
25) 2-Butanone	4.568	43	17013	14.197	ug/l	92
29) Tetrahydrofuran	5.025	42	4377	5.728	ug/l #	84
31) Cyclohexane	5.556	56	2461	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10432	4.560	ug/l #	50
37) Ethyl Acetate	4.733	43	3678	1.574	ug/l #	90
38) Carbon Tetrachloride	5.556	117	14500	5.834	ug/l #	15
41) Methacrylonitrile	5.025	41	2445	2.012	ug/l #	46
43) Isopropyl Acetate	6.348	43	92308	24.878	ug/l #	90
48) Methyl methacrylate	7.799	41	81991	45.311	ug/l #	45
49) 1,4-Dioxane	7.671	88	236	4.843	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	81079	35.985	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	788	0.303	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	41171	14.657	ug/l #	48
56) Ethyl methacrylate	9.250	69	771	0.279	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	5178	1.740	ug/l #	42
59) 2-Hexanone	9.482	43	57557	33.503	ug/l #	57
74) N-amyl acetate	10.640	43	17034	6.516	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	48749	24.732	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48749	69.077	ug/l #	5

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

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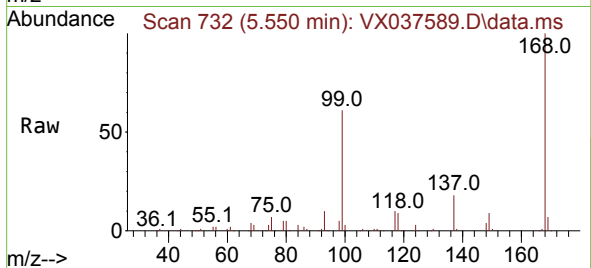
Quant Time: Sep 08 00:49:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



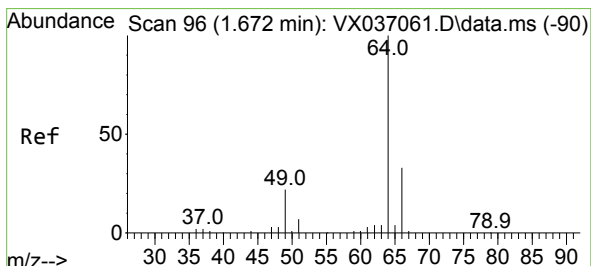
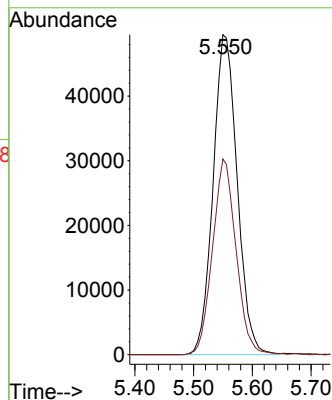
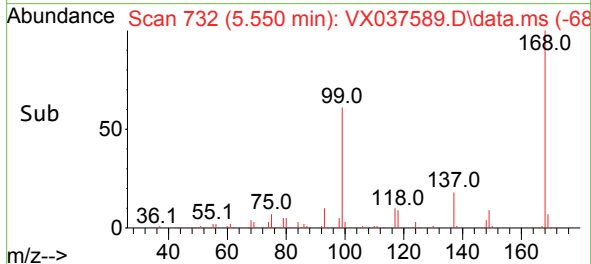


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

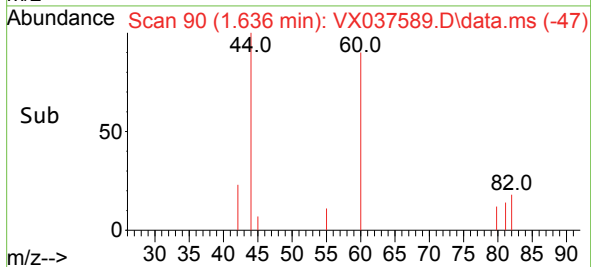
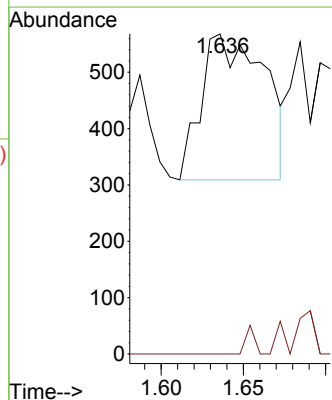
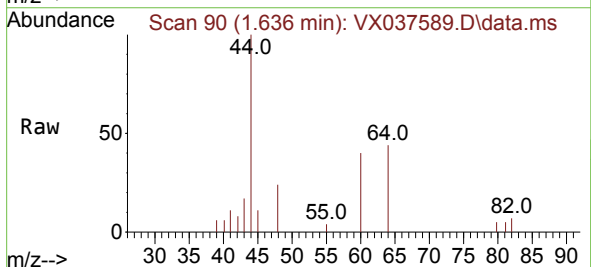


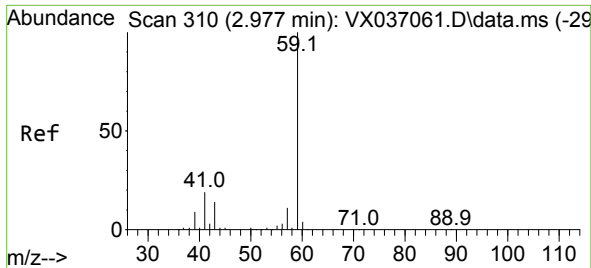
Tgt Ion:168 Resp: 141109
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#6
Chloroethane
Concen: 0.752 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.036 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 64 Resp: 691
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 26.831 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037589.D

Acq: 07 Sep 2023 19:32

Instrument :

MSVOA_X

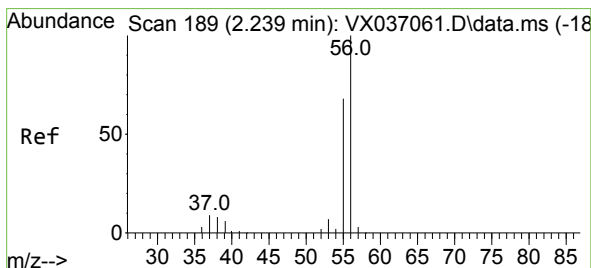
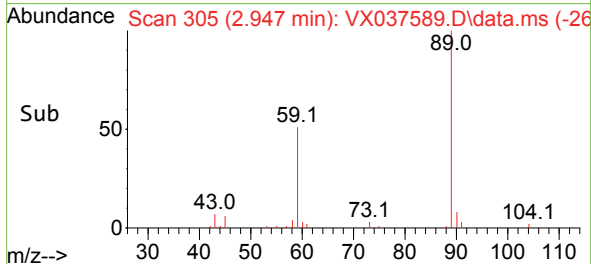
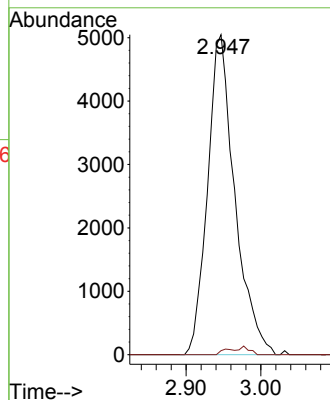
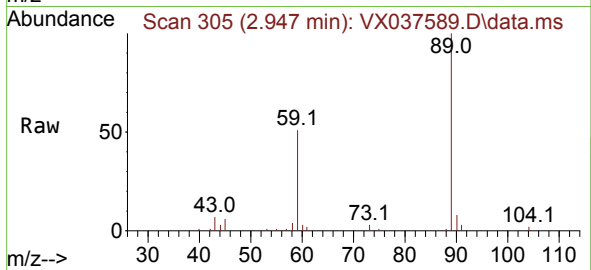
ClientSampleId :

Tgt Ion: 59 Resp: 12804

Ion Ratio Lower Upper

59 100

57 0.9 6.0 9.0#



#13

Acrolein

Concen: 0.733 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037589.D

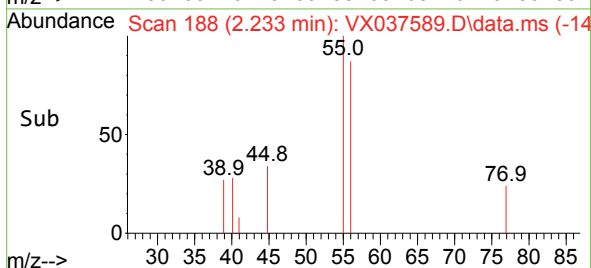
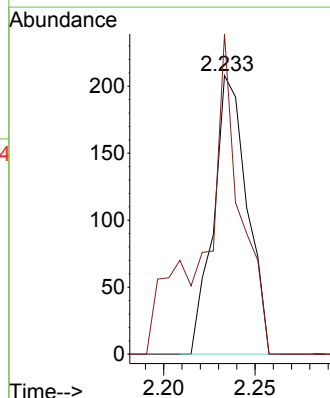
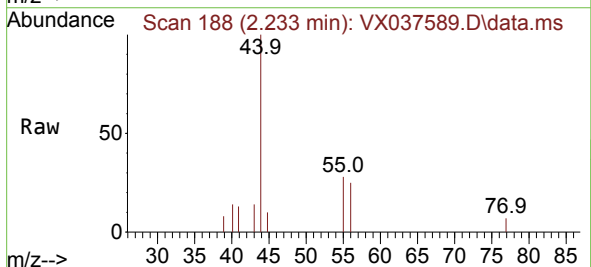
Acq: 07 Sep 2023 19:32

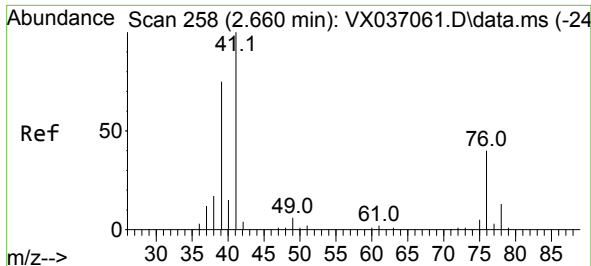
Tgt Ion: 56 Resp: 266

Ion Ratio Lower Upper

56 100

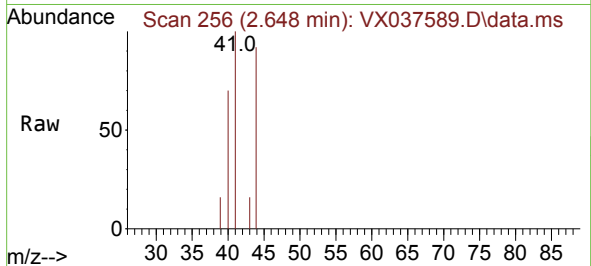
55 123.7 57.1 85.7#



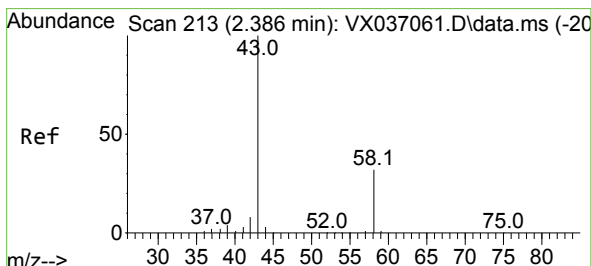
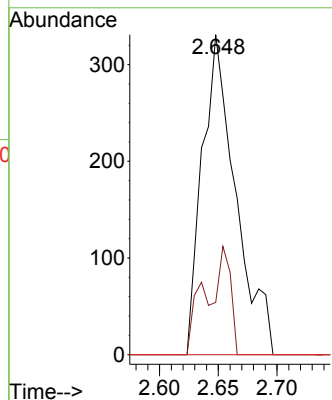


#14
 Allyl chloride
 Concen: 0.292 ug/l
 RT: 2.648 min Scan# 215
 Delta R.T. -0.012 min
 Lab File: VX037589.D
 Acq: 07 Sep 2023 19:32

Instrument :
 MSVOA_X
 ClientSampleId :

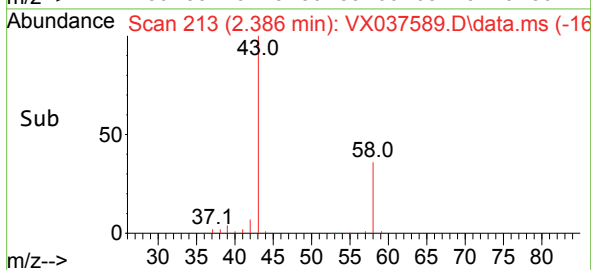
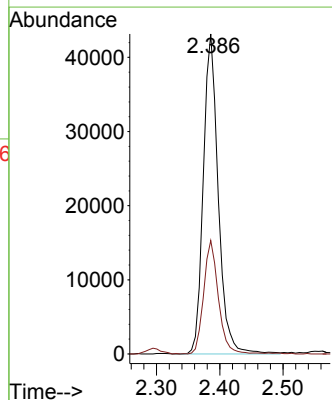
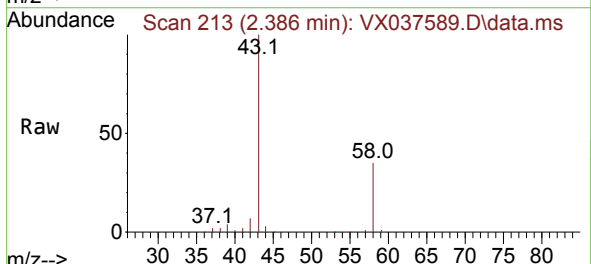


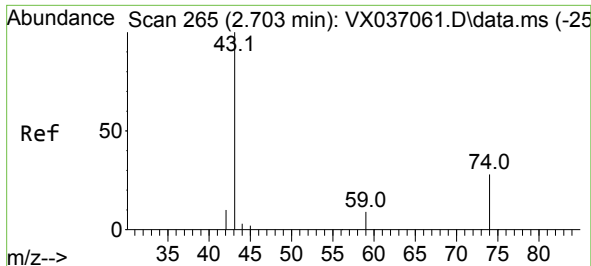
Tgt Ion	Ratio	Lower	Upper
41	100		
39	14.0	55.8	83.6#
76	0.0	24.3	36.5#



#16
 Acetone
 Concen: 89.424 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX037589.D
 Acq: 07 Sep 2023 19:32

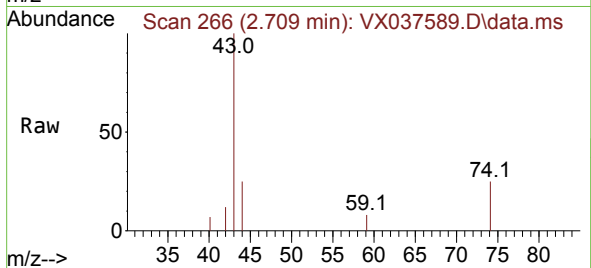
Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	21.9	32.9#



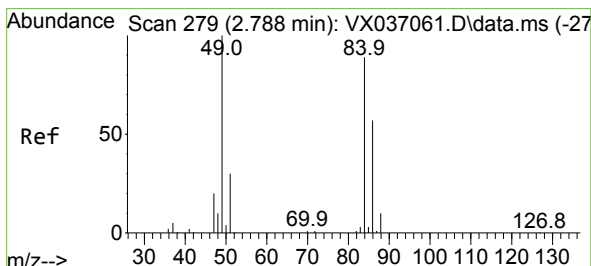
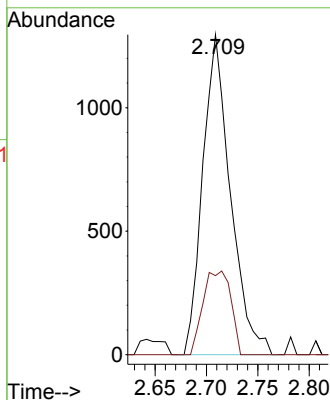
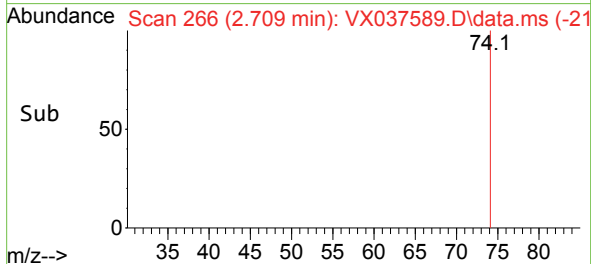


#18
Methyl Acetate
Concen: 0.811 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

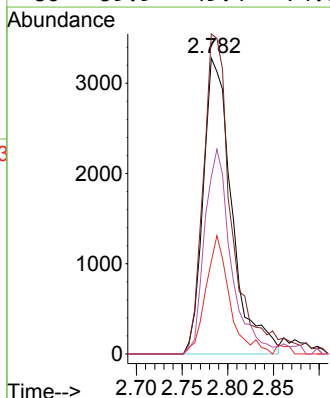
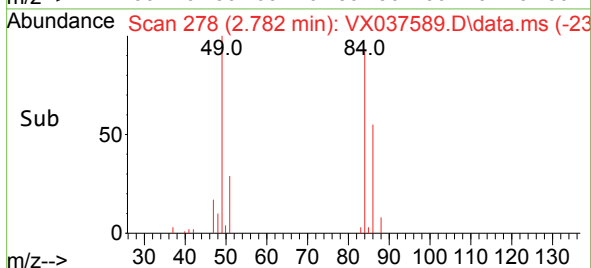
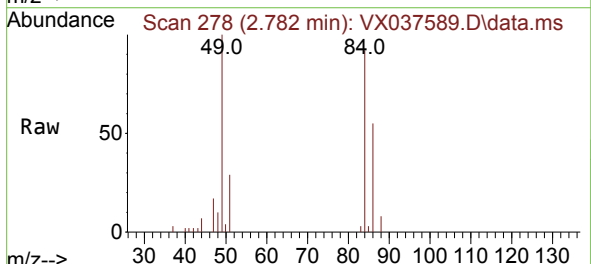


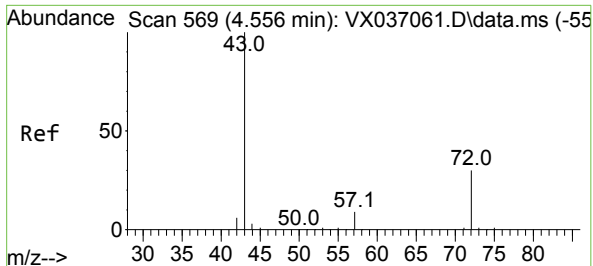
Tgt Ion: 43 Resp: 2430
Ion Ratio Lower Upper
43 100
74 26.2 17.8 26.8



#20
Methylene Chloride
Concen: 4.029 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 84 Resp: 7170
Ion Ratio Lower Upper
84 100
49 108.2 103.6 155.4
51 31.3 33.8 50.6#
86 59.9 49.4 74.0





#25

2-Butanone

Concen: 14.197 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037589.D

Acq: 07 Sep 2023 19:32

Instrument :

MSVOA_X

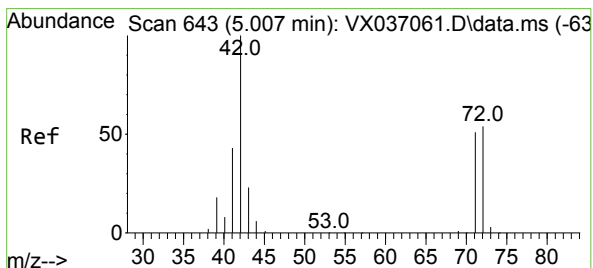
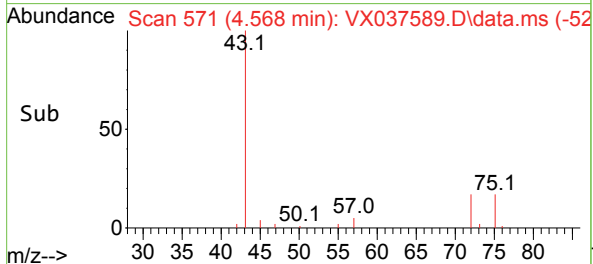
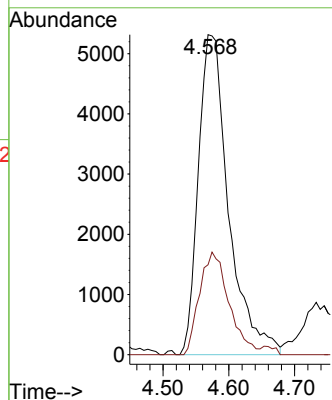
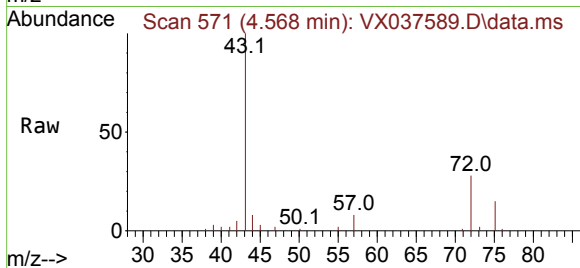
ClientSampleId :

Tgt Ion: 43 Resp: 17013

Ion Ratio Lower Upper

43 100

72 28.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 5.728 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX037589.D

Acq: 07 Sep 2023 19:32

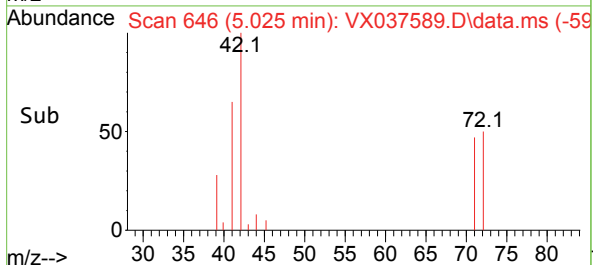
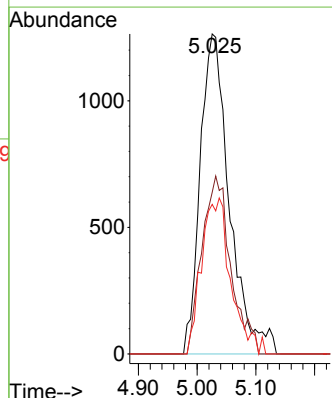
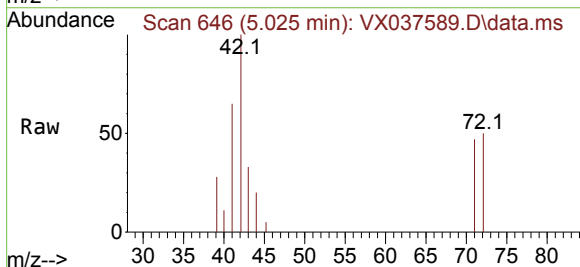
Tgt Ion: 42 Resp: 4377

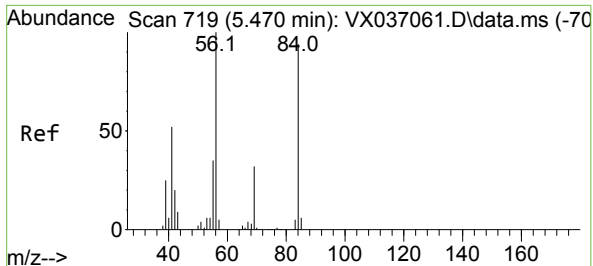
Ion Ratio Lower Upper

42 100

72 54.9 34.2 51.4#

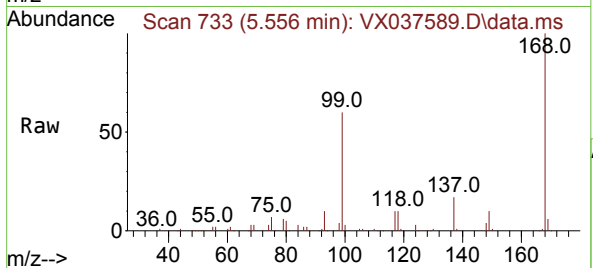
71 48.7 32.2 48.2#



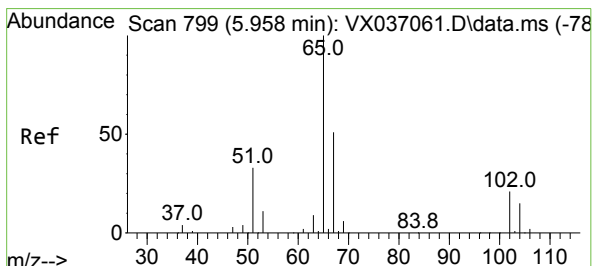
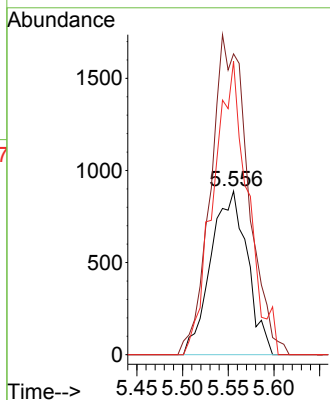
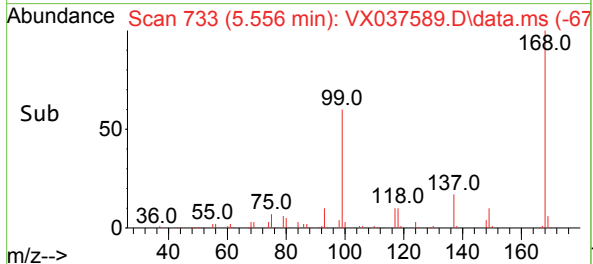


#31
Cyclohexane
Concen: 1.076 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

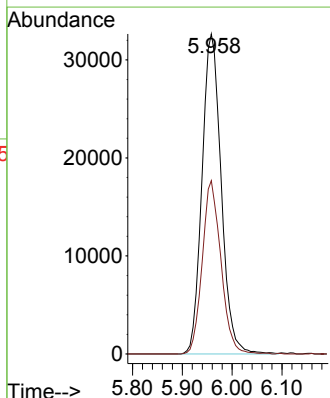
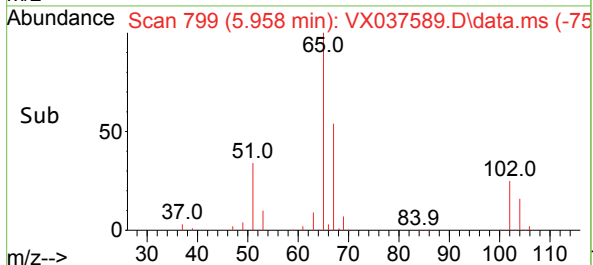
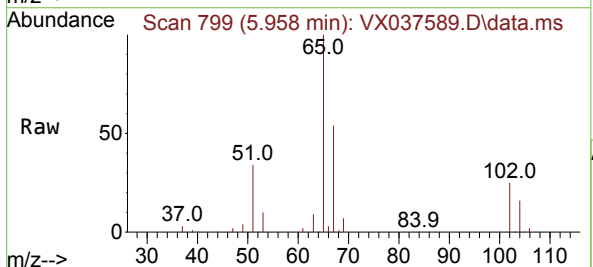


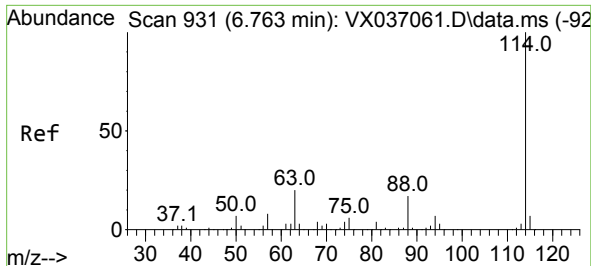
Tgt Ion: 56 Resp: 2461
Ion Ratio Lower Upper
56 100
69 183.9 23.4 35.2#
84 179.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.906 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

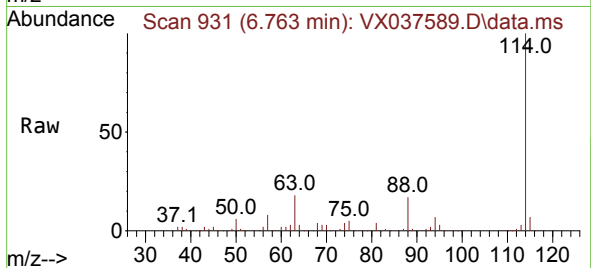
Tgt Ion: 65 Resp: 87285
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2



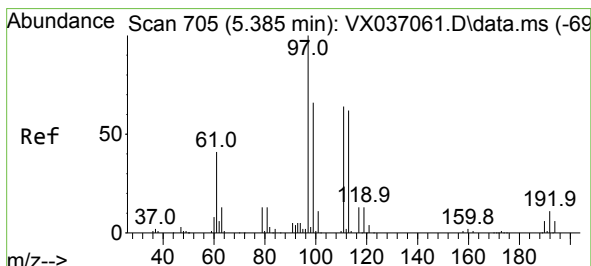
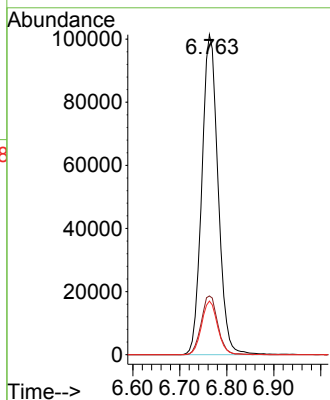
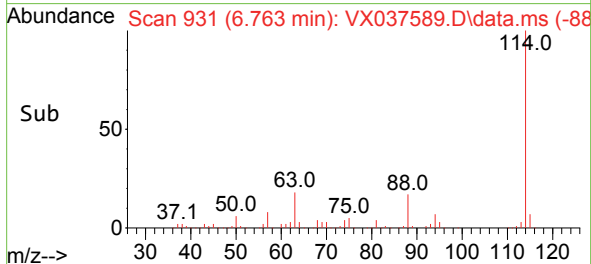


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

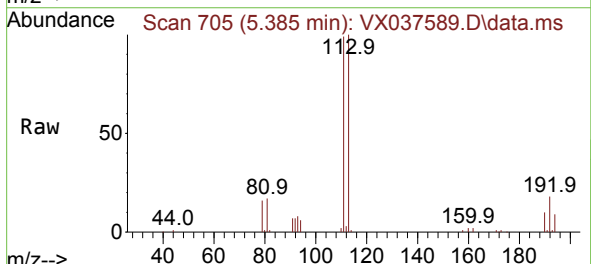
Instrument :
MSVOA_X
ClientSampleId :



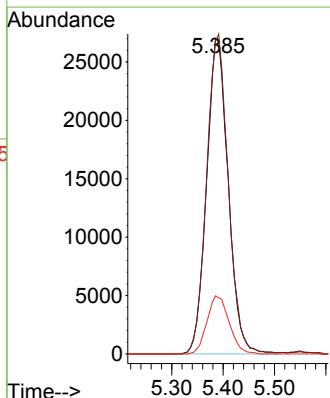
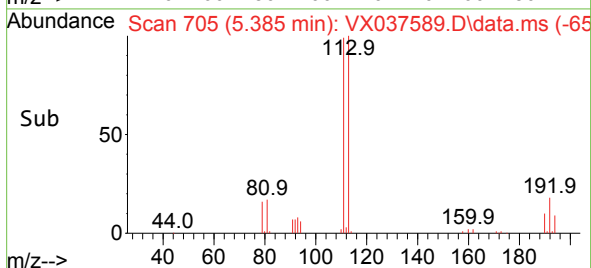
Tgt Ion:114 Resp: 243160
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 16.7 0.0 36.6

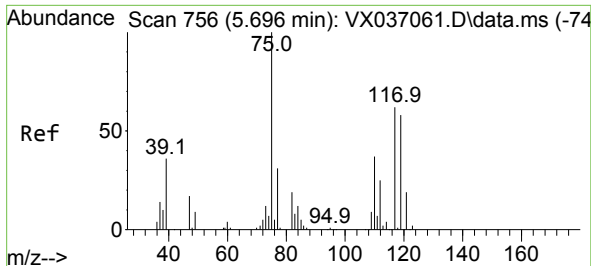


#35
Dibromofluoromethane
Concen: 49.148 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32



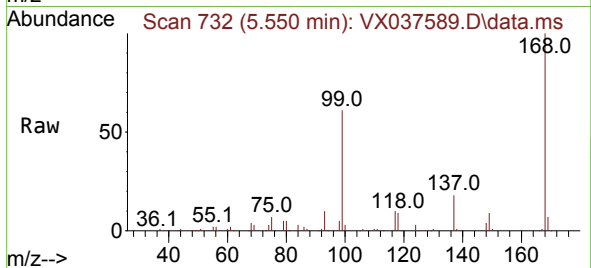
Tgt Ion:113 Resp: 79148
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 18.8 13.3 19.9



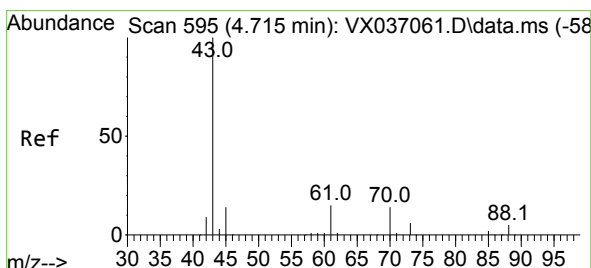
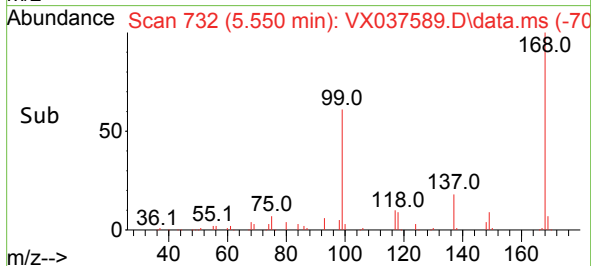
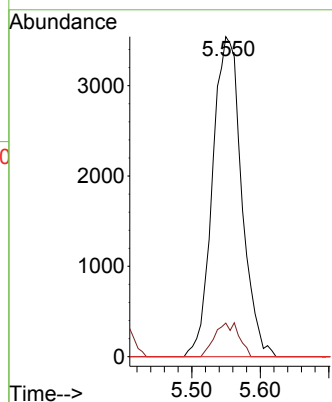


#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

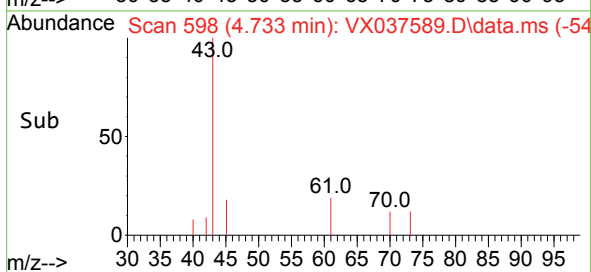
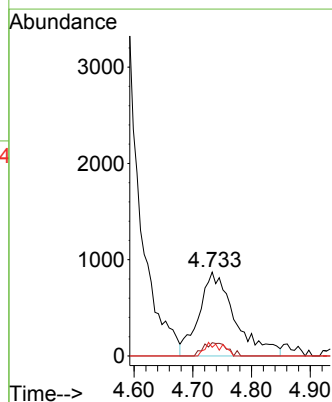
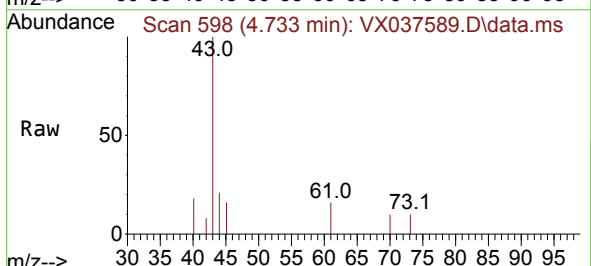


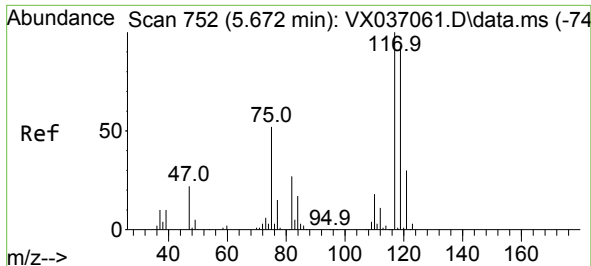
Tgt Ion: 75 Resp: 10432
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.574 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

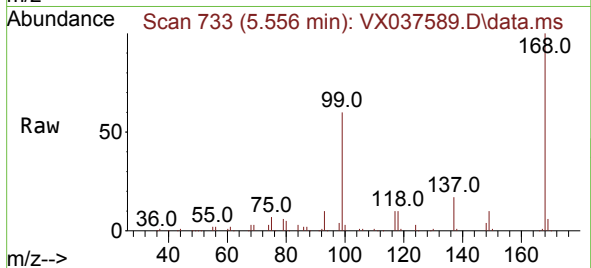
Tgt Ion: 43 Resp: 3678
Ion Ratio Lower Upper
43 100
61 10.3 10.6 16.0#
70 5.3 8.3 12.5#



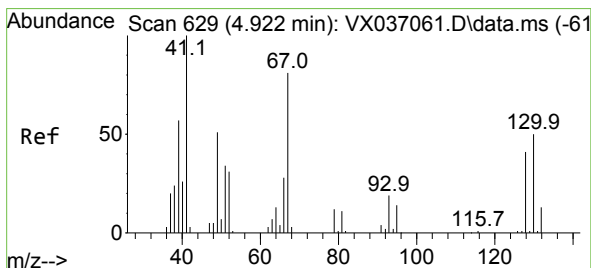
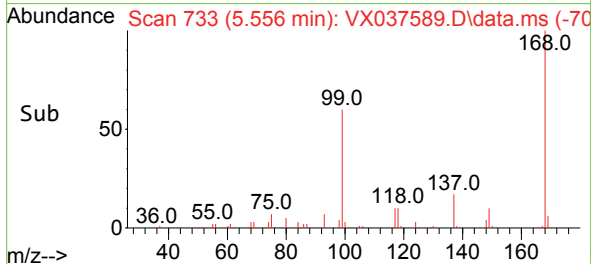
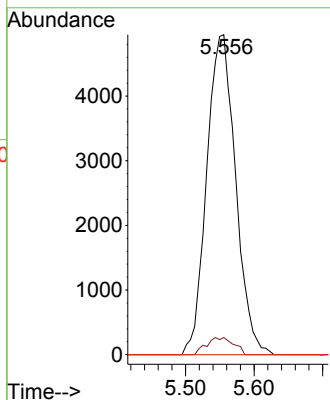


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

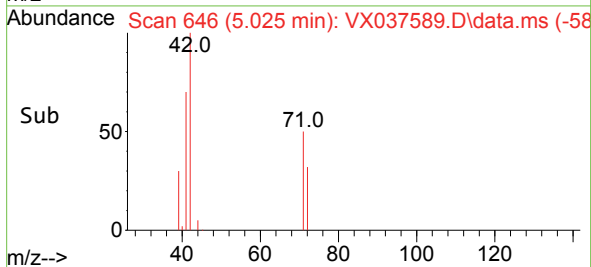
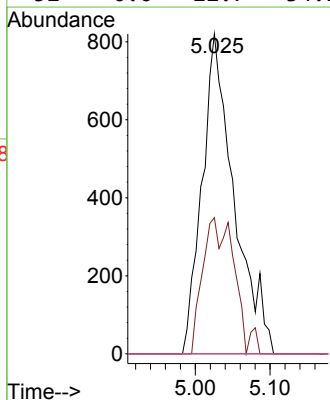
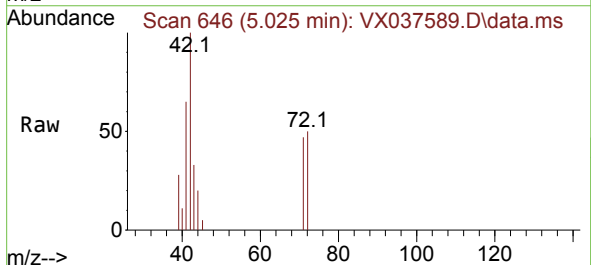


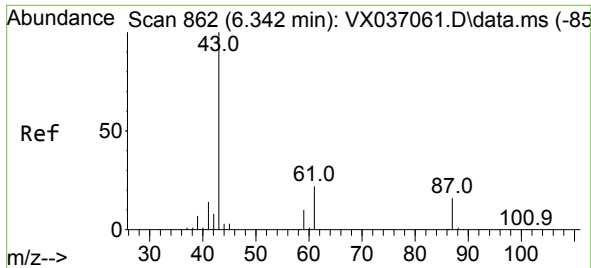
Tgt Ion:117 Resp: 14500
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 2.012 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

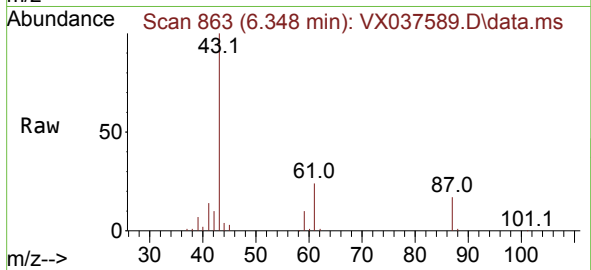
Tgt Ion: 41 Resp: 2445
Ion Ratio Lower Upper
41 100
39 42.3 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



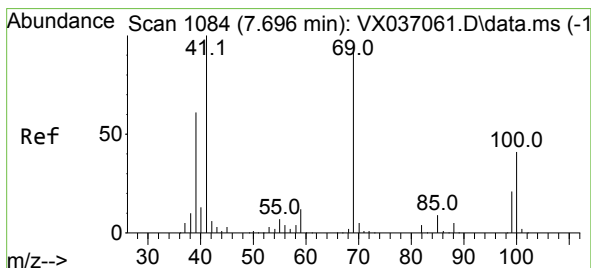
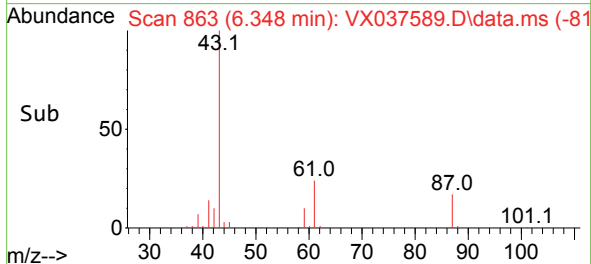
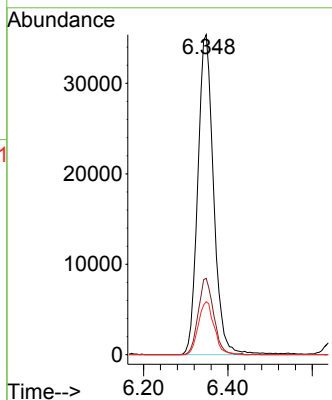


#43
Isopropyl Acetate
Concen: 24.878 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

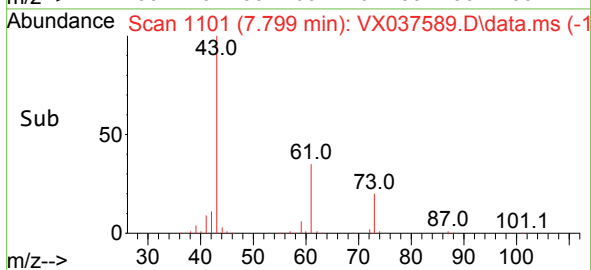
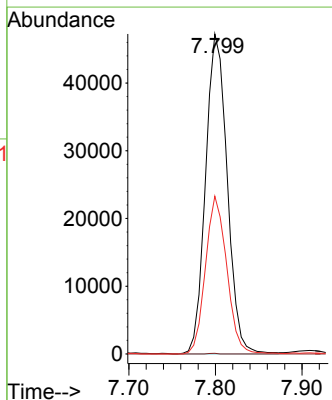
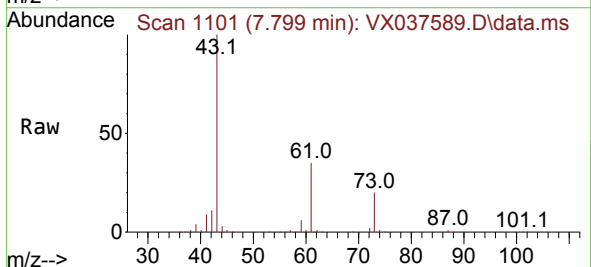


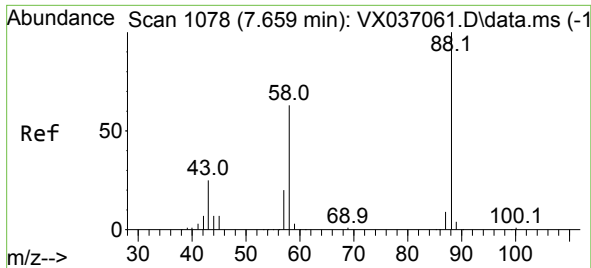
Tgt Ion: 43 Resp: 92308
Ion Ratio Lower Upper
43 100
61 23.2 15.2 22.8#
87 16.5 9.8 14.6#



#48
Methyl methacrylate
Concen: 45.311 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 41 Resp: 81991
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.6 47.7 71.5

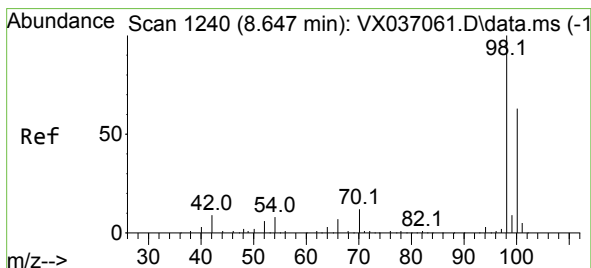
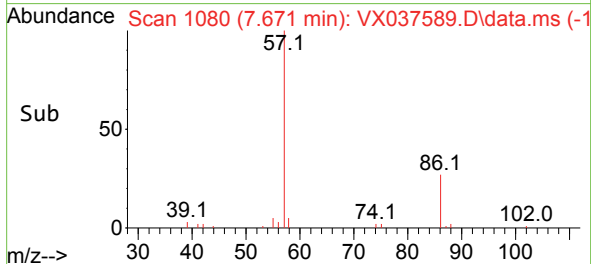
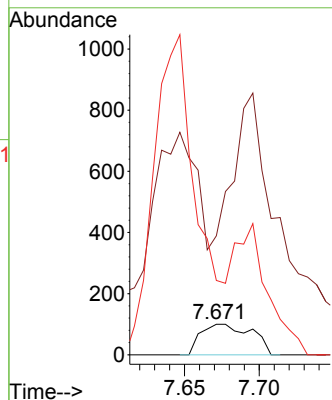
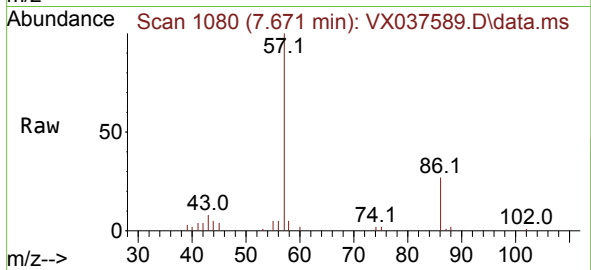




#49
1,4-Dioxane
Concen: 4.843 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

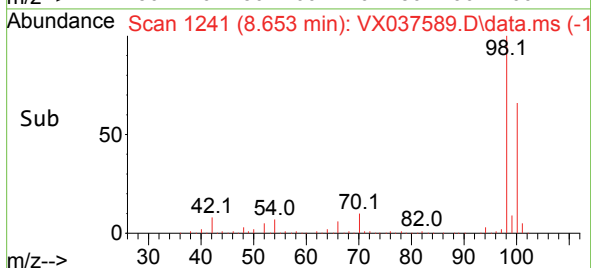
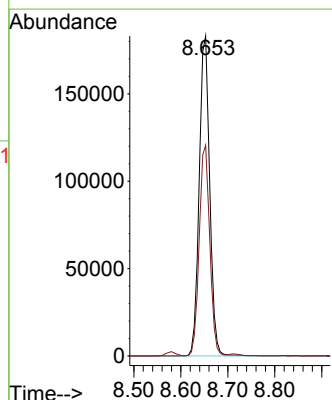
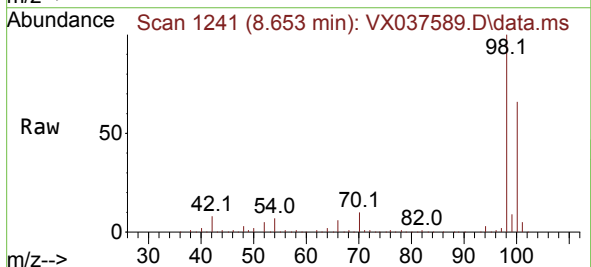
Instrument :
MSVOA_X
ClientSampleId :

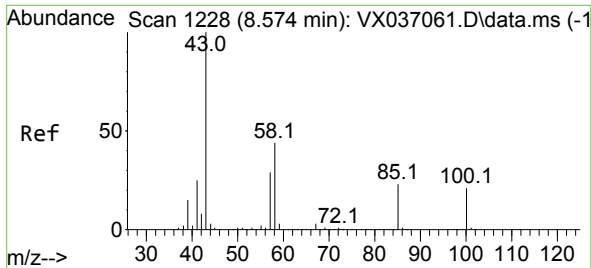
Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.828 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 98 Resp: 285231
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

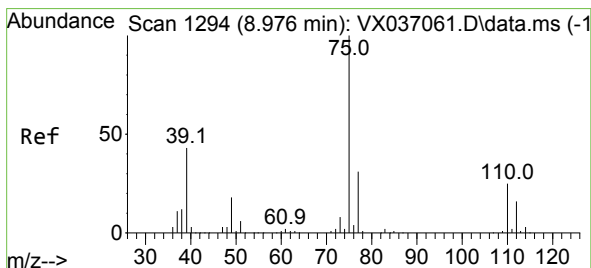
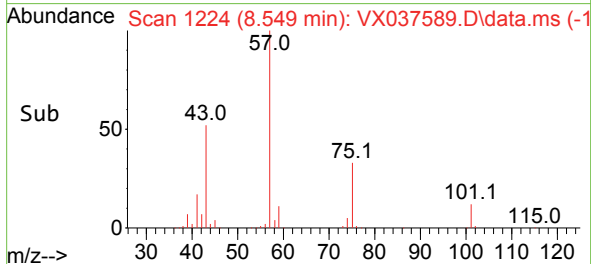
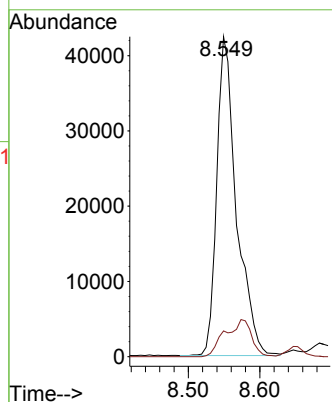
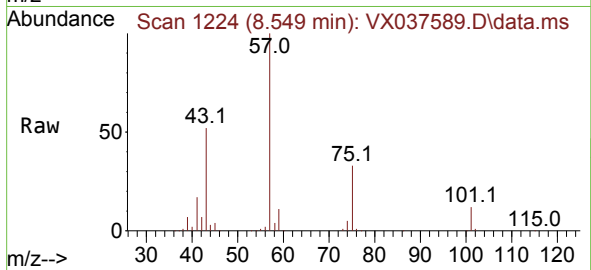




#51
4-Methyl-2-Pentanone
Concen: 35.985 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

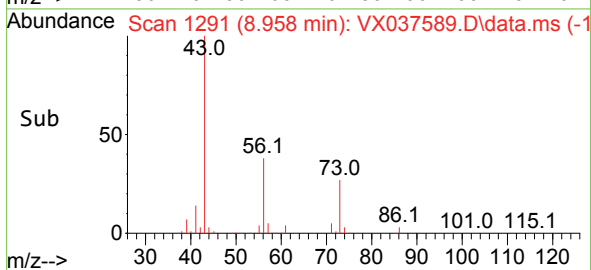
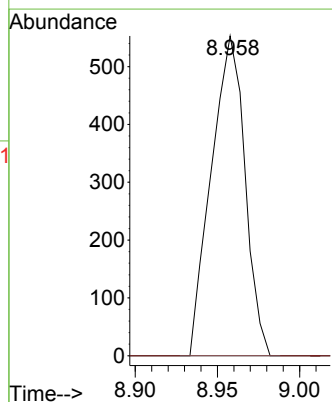
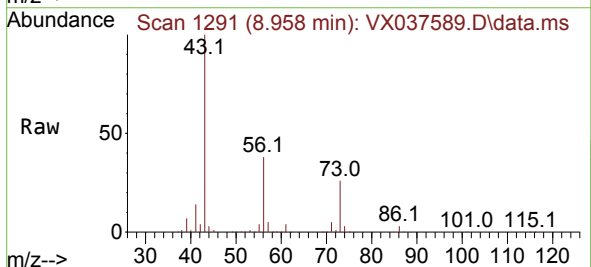
Instrument :
MSVOA_X
ClientSampleId :

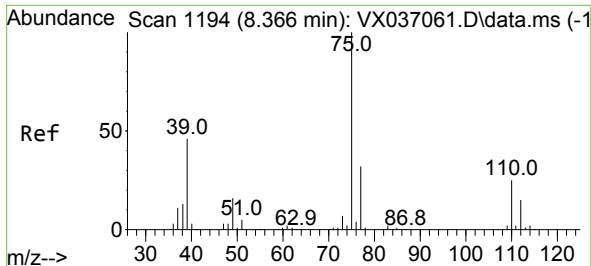
Tgt Ion: 43 Resp: 81079
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.303 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

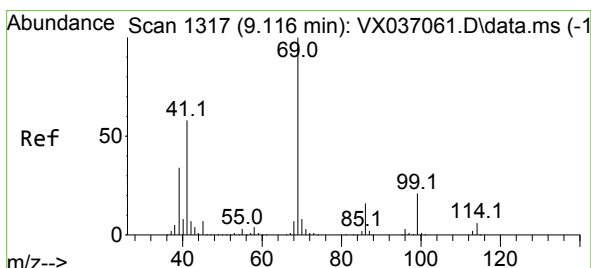
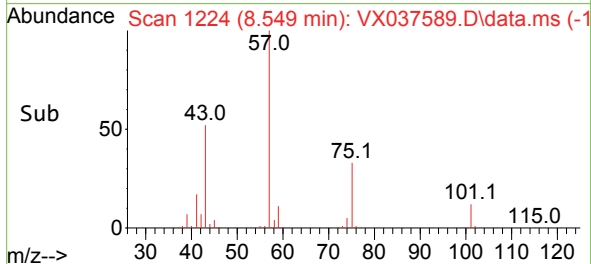
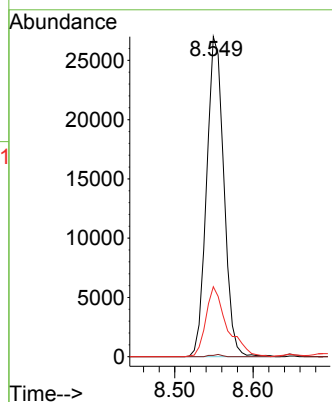
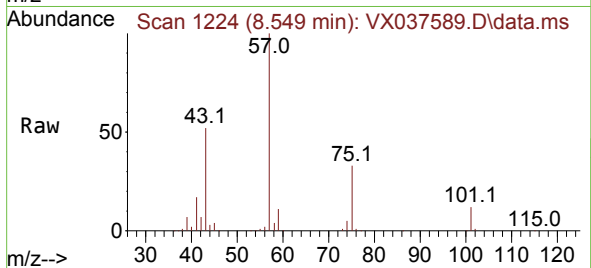




#54
 cis-1,3-Dichloropropene
 Concen: 14.657 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX037589.D
 Acq: 07 Sep 2023 19:32

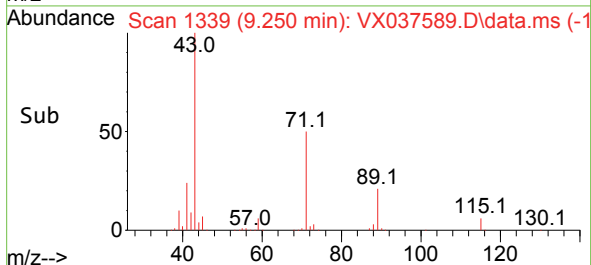
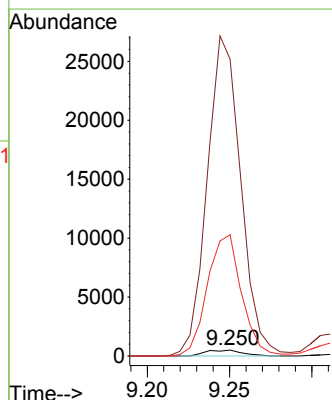
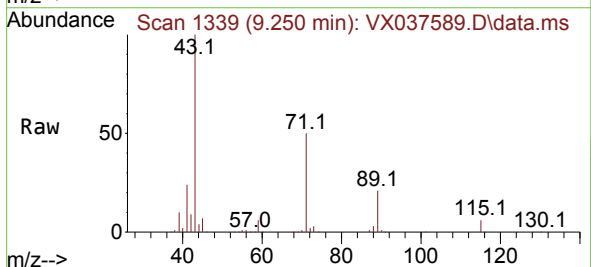
Instrument :
 MSVOA_X
 ClientSampleId :

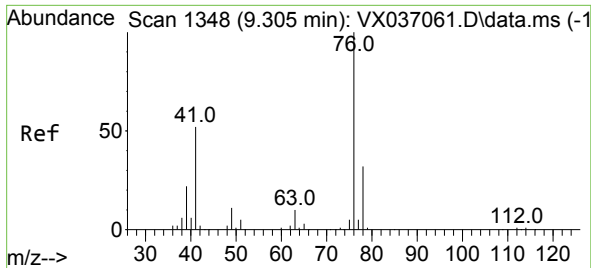
Tgt Ion: 75 Resp: 41171
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 21.8 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.279 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX037589.D
 Acq: 07 Sep 2023 19:32

Tgt Ion: 69 Resp: 771
 Ion Ratio Lower Upper
 69 100
 41 5006.0 56.8 85.2#
 39 1934.1 32.0 48.0#

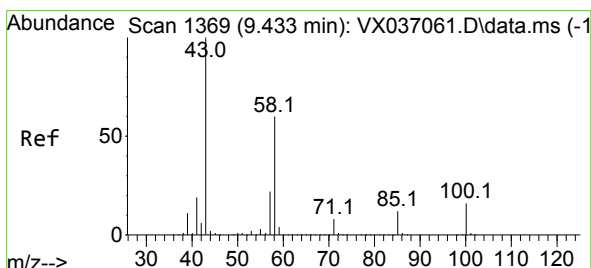
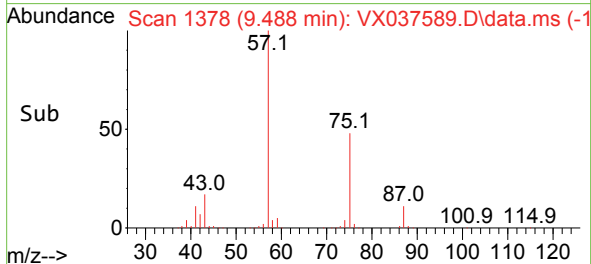
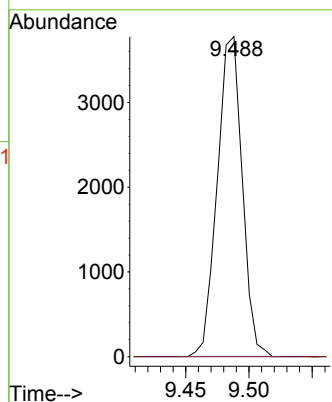
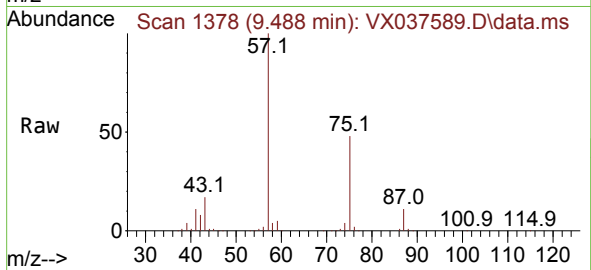




#57
1,3-Dichloropropane
Concen: 1.740 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.183 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

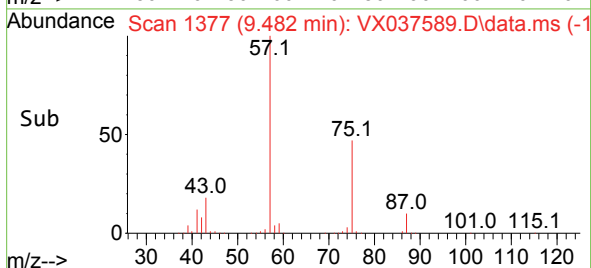
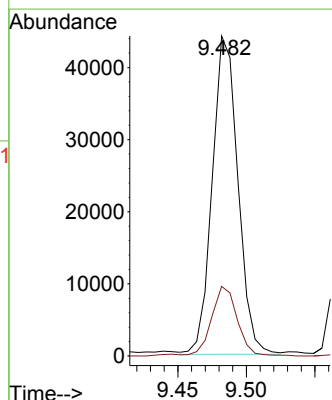
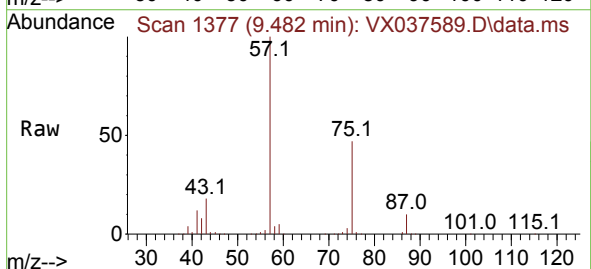
Instrument :
MSVOA_X
ClientSampleId :

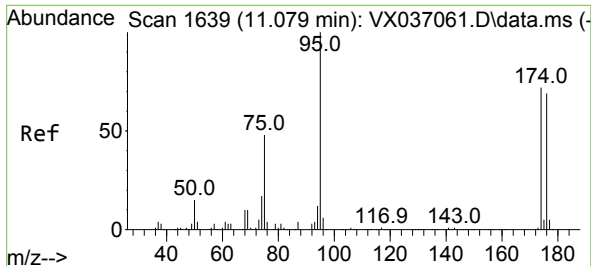
Tgt Ion: 76 Resp: 5178
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 33.503 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 43 Resp: 57557
Ion Ratio Lower Upper
43 100
58 22.3 26.2 78.5#

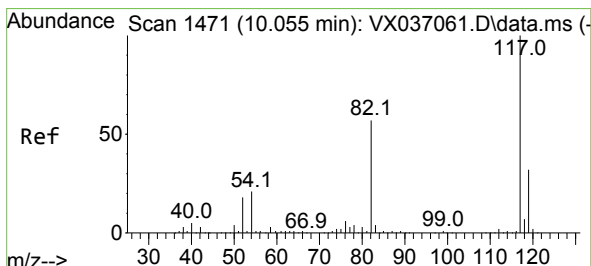
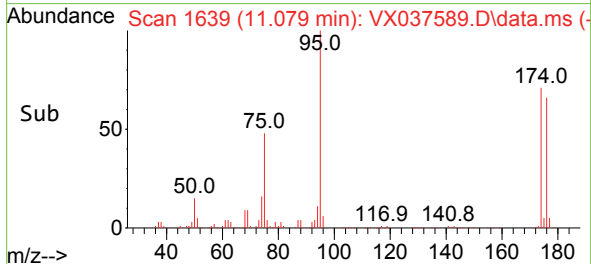
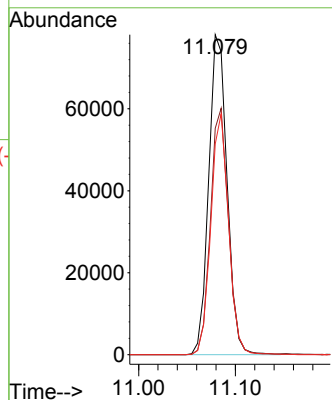
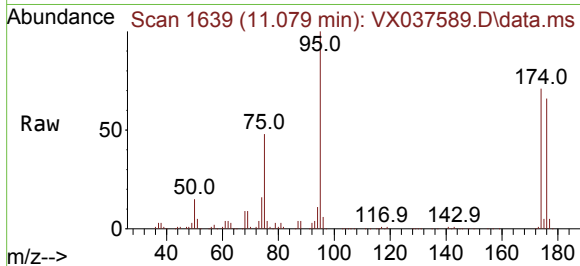




#62
4-Bromofluorobenzene
Concen: 44.950 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

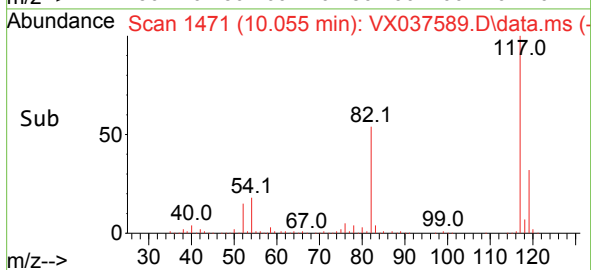
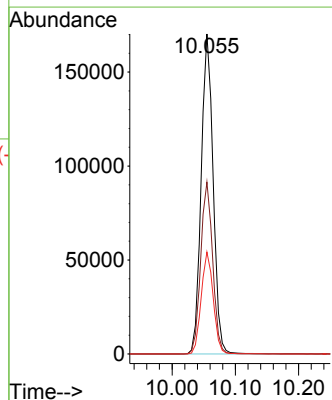
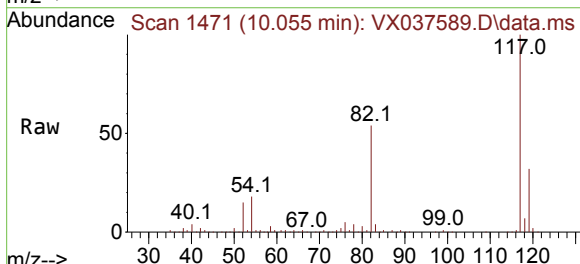
Instrument :
MSVOA_X
ClientSampleId :

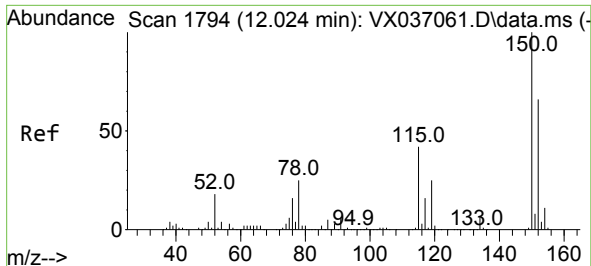
Tgt Ion: 95 Resp: 103189
Ion Ratio Lower Upper
95 100
174 75.7 0.0 135.6
176 72.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

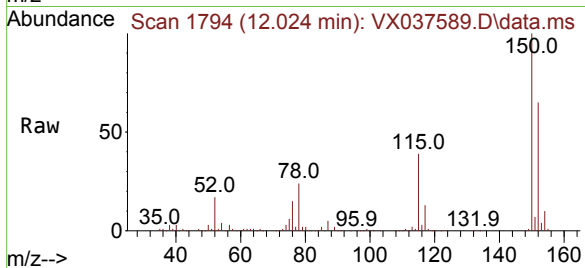
Tgt Ion: 117 Resp: 224243
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 31.9 25.5 38.3



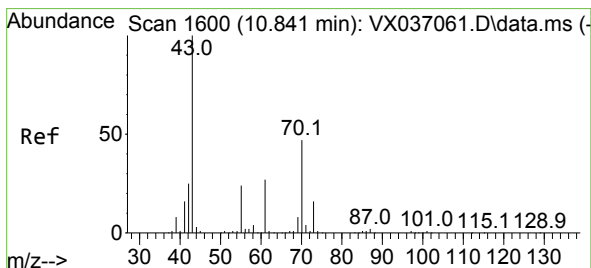
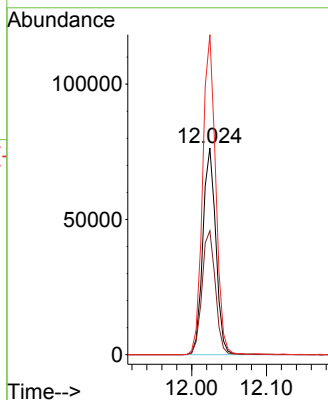
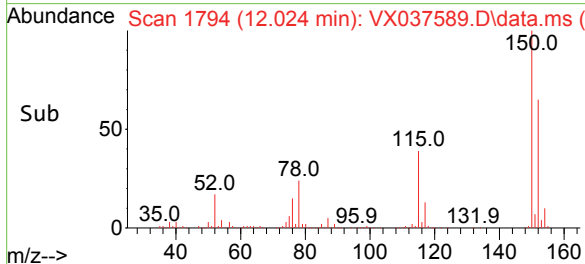


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

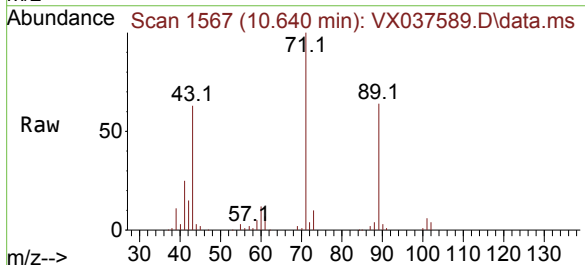
Instrument :
MSVOA_X
ClientSampleId :



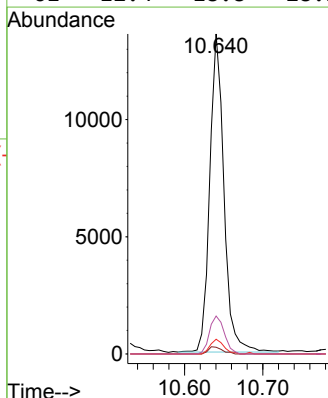
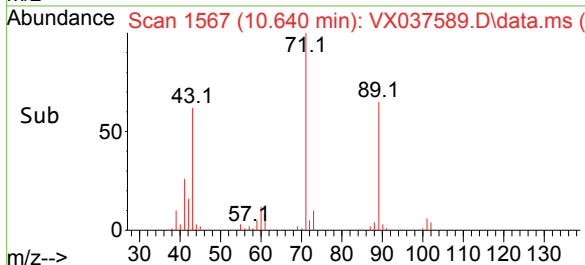
Tgt Ion:152 Resp: 92555
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 155.0 0.0 345.0

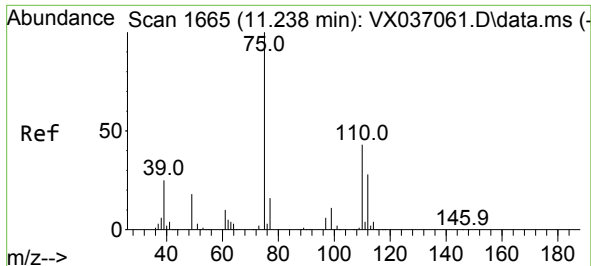


#74
N-ethyl acetate
Concen: 6.516 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32



Tgt Ion: 43 Resp: 17034
Ion Ratio Lower Upper
43 100
70 2.2 32.9 49.3#
55 4.5 19.3 28.9#
61 12.4 18.8 28.2#

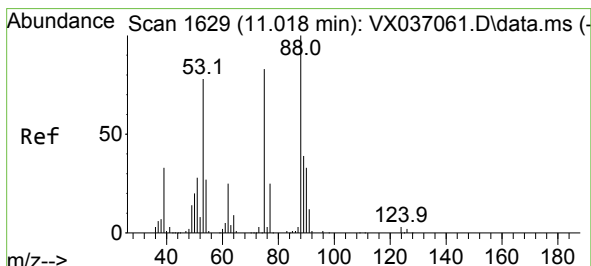
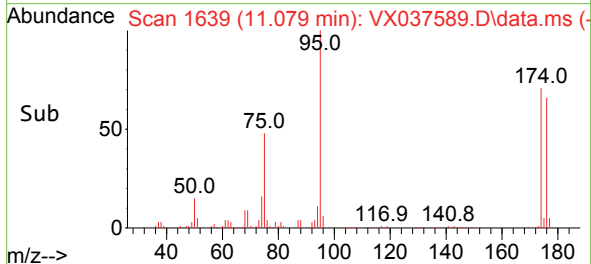
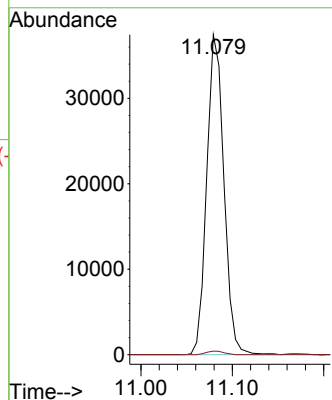
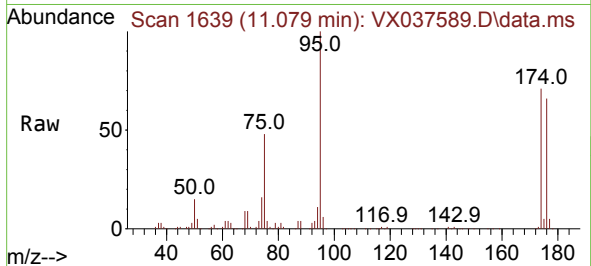




#76
1,2,3-Trichloropropane
Concen: 24.732 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 48749
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037589.D
Acq: 07 Sep 2023 19:32

Tgt Ion: 75 Resp: 48749
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

