

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039478.D
 Acq On : 26 Dec 2023 19:15
 Operator : JC/MD
 Sample : PB158014ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:43:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

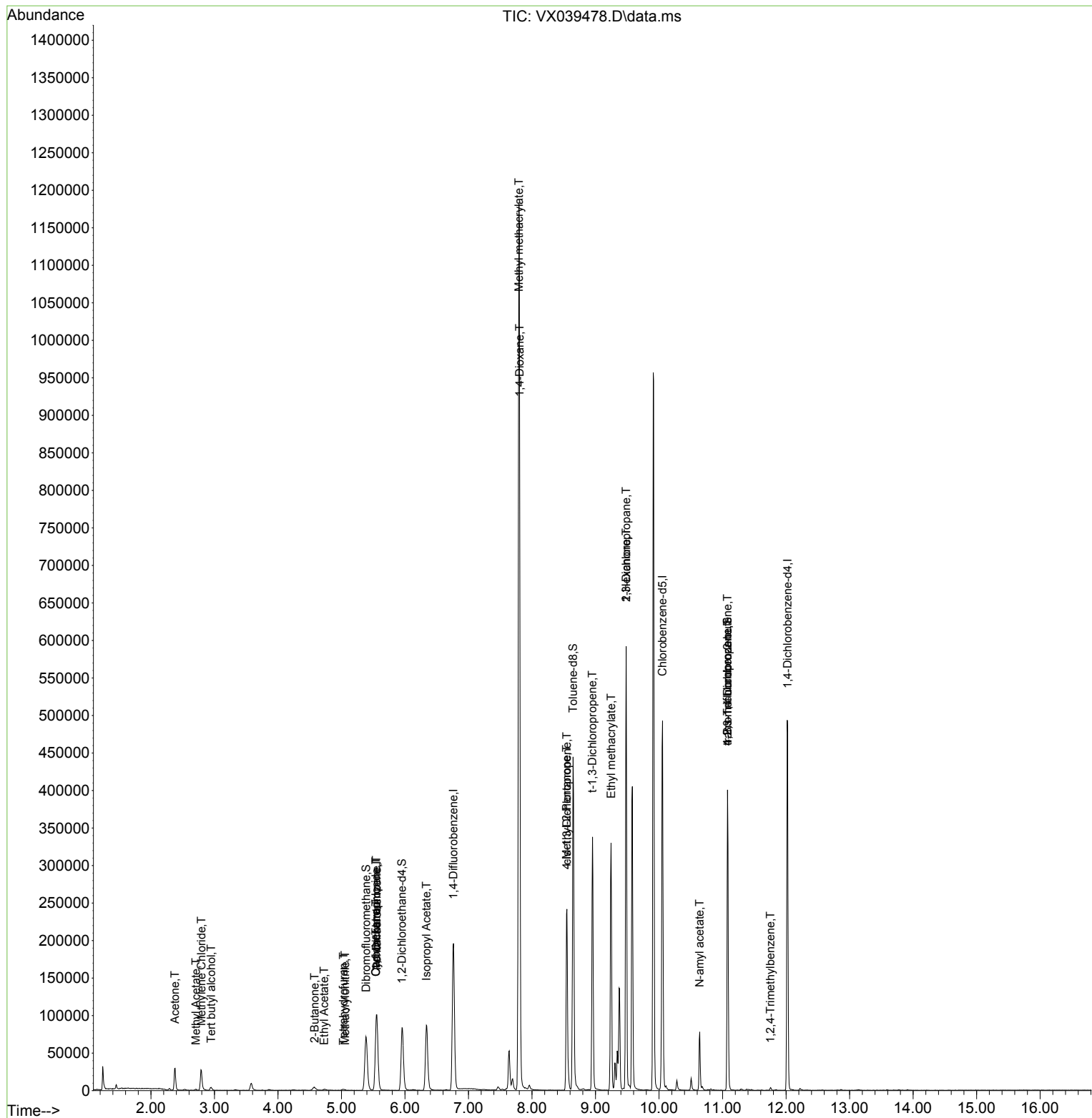
Internal Standards						
1) Pentafluorobenzene	5.556	168	88167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80969	50.131	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.260%	
35) Dibromofluoromethane	5.385	113	62510	47.319	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.640%	
50) Toluene-d8	8.647	98	252240	51.432	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	11.079	95	107776	53.261	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2914	7.185	ug/l #	86
16) Acetone	2.380	43	31540	11.307	ug/l	94
18) Methyl Acetate	2.709	43	1673	0.479	ug/l #	85
20) Methylene Chloride	2.794	84	12508	9.290	ug/l	96
25) 2-Butanone	4.574	43	5239	3.759	ug/l	94
29) Tetrahydrofuran	5.032	42	1397	1.815	ug/l #	57
31) Cyclohexane	5.544	56	2670	1.280	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	8793	4.218	ug/l #	50
37) Ethyl Acetate	4.727	43	2605	1.011	ug/l #	84
38) Carbon Tetrachloride	5.544	117	10353	5.204	ug/l #	15
41) Methacrylonitrile	5.056	41	786	0.572	ug/l #	25
43) Isopropyl Acetate	6.336	43	123136	29.402	ug/l	99
48) Methyl methacrylate	7.793	41	106643	43.556	ug/l #	49
49) 1,4-Dioxane	7.805	88	172	5.212	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	91032	34.115	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	763	0.326	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36867	14.631	ug/l #	57
56) Ethyl methacrylate	9.244	69	810	0.447	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4764	1.855	ug/l #	42
59) 2-Hexanone	9.482	43	71444	31.023	ug/l #	52
74) N-amyl acetate	10.640	43	20193	5.436	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	59841	24.308	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59841	68.574	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1365	0.213	ug/l	83

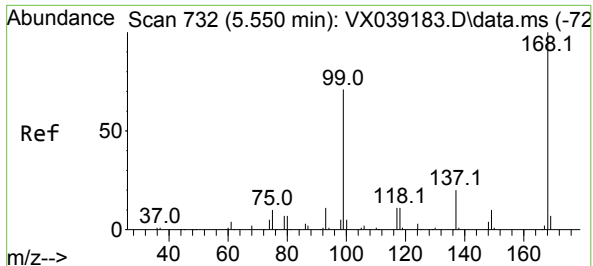
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 27 04:43:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



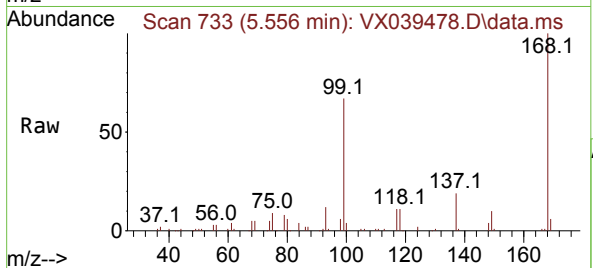


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

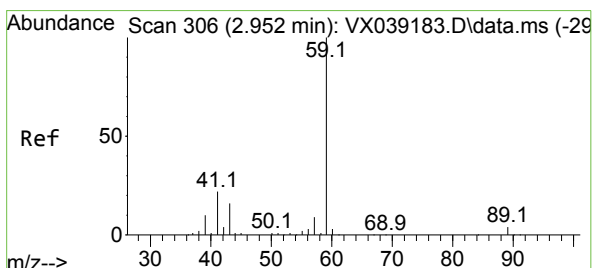
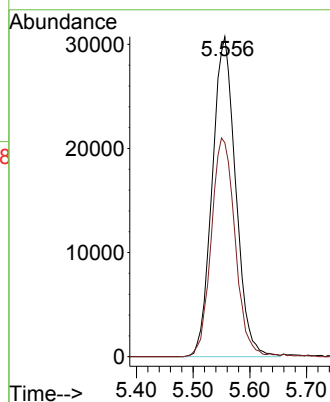
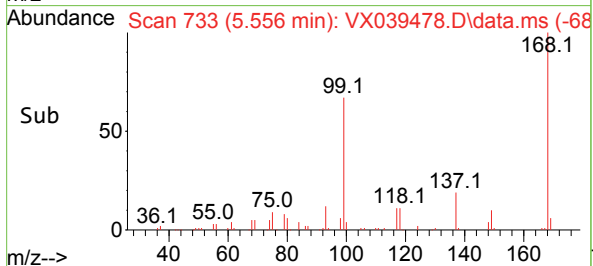
Instrument :

MSVOA_X

ClientSampleId :

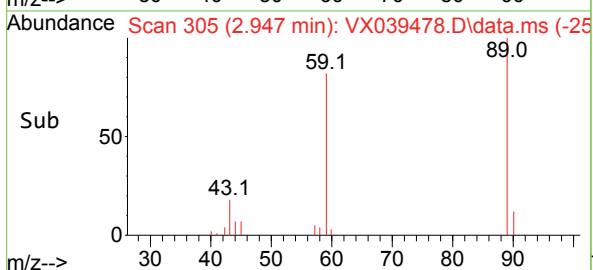
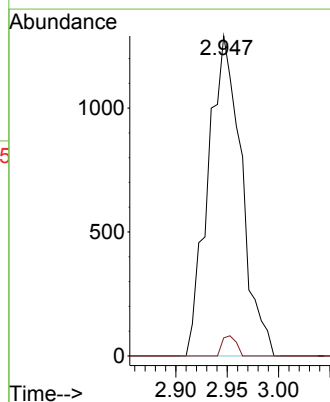
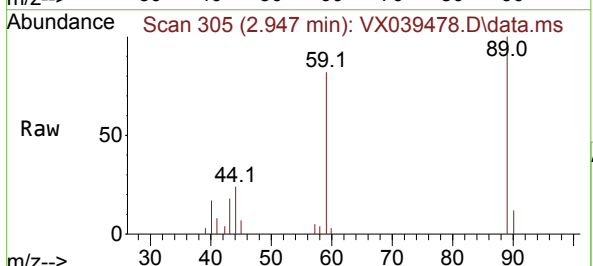


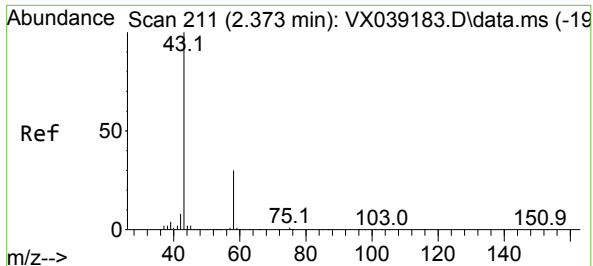
Tgt Ion:168 Resp: 88167
Ion Ratio Lower Upper
168 100
99 66.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.185 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 59 Resp: 2914
Ion Ratio Lower Upper
59 100
57 2.6 6.0 9.0#

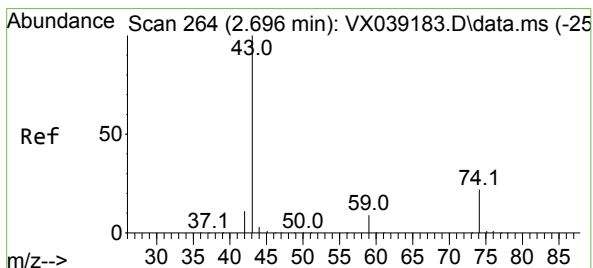
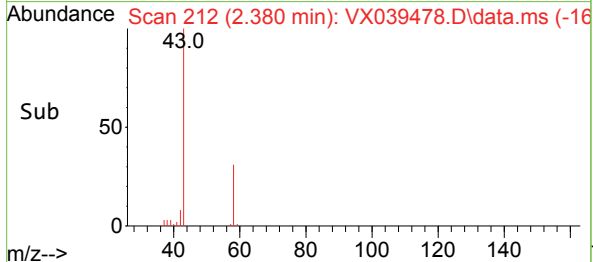
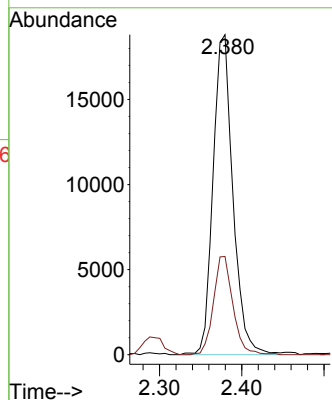
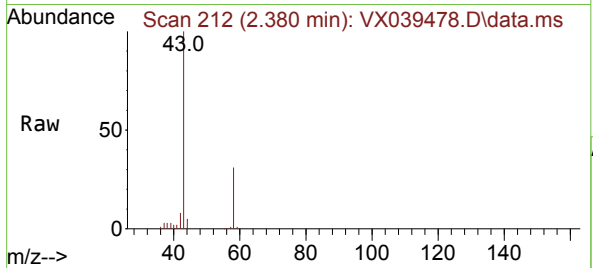




#16
Acetone
Concen: 11.307 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

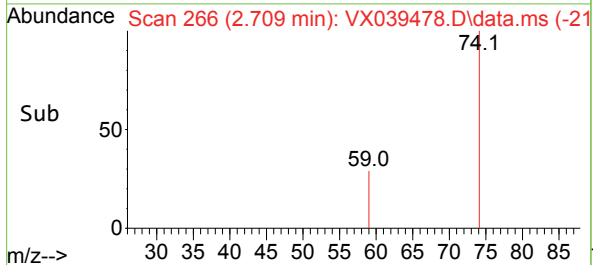
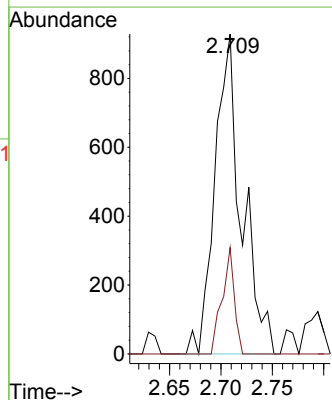
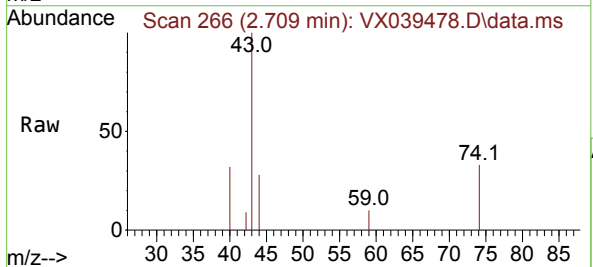
Instrument :
MSVOA_X
ClientSampleId :

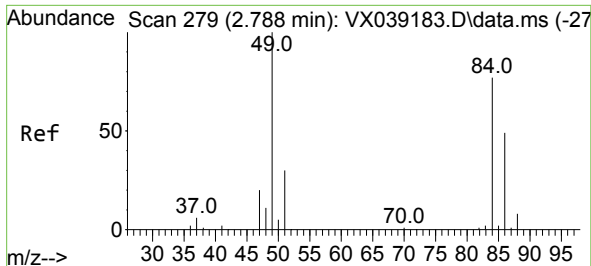
Tgt Ion: 43 Resp: 31540
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.479 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

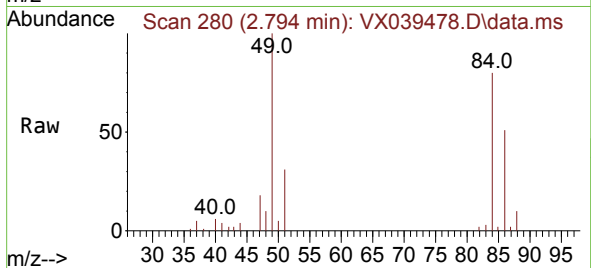
Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
74 15.2 17.8 26.8#



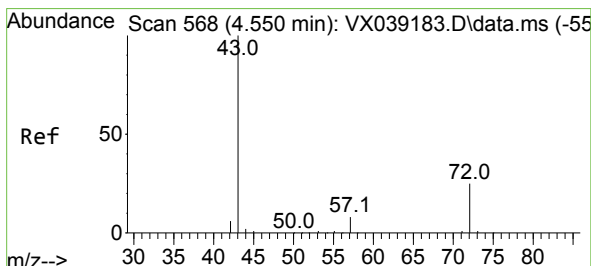
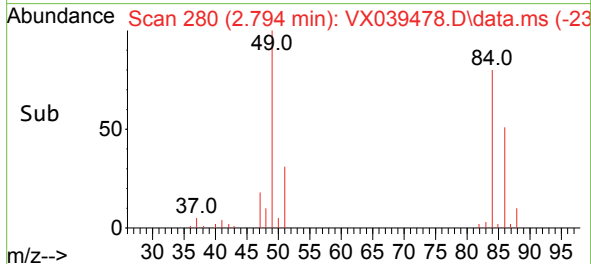
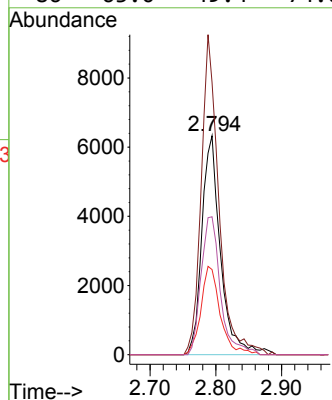


#20
Methylene Chloride
Concen: 9.290 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Instrument :
MSVOA_X
ClientSampleId :

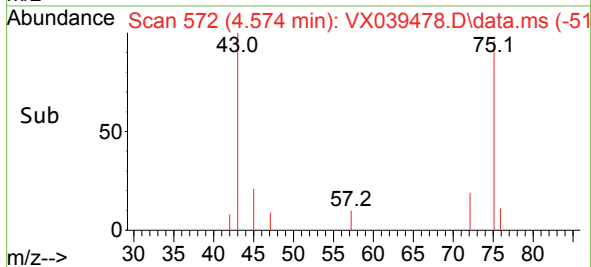
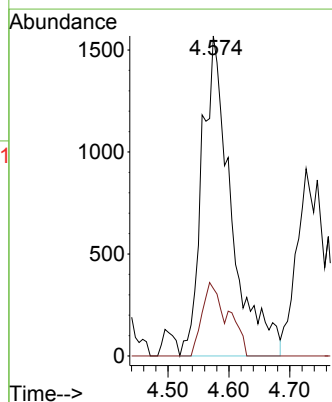
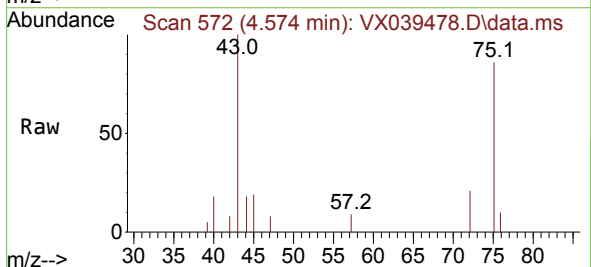


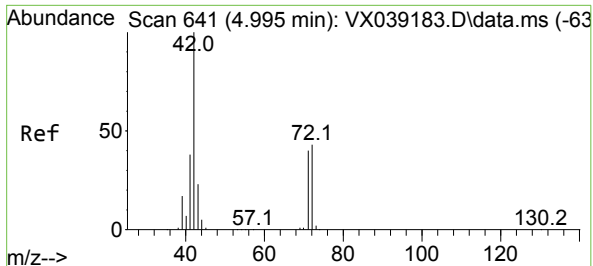
Tgt Ion: 84	Resp: 12508
Ion Ratio	Lower Upper
84 100	
49 124.5	103.6 155.4
51 38.9	33.8 50.6
86 63.0	49.4 74.0



#25
2-Butanone
Concen: 3.759 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.025 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 43	Resp: 5239		
Ion Ratio	Lower	Upper	
43 100			
72 21.1	19.4	29.2	





#29

Tetrahydrofuran

Concen: 1.815 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

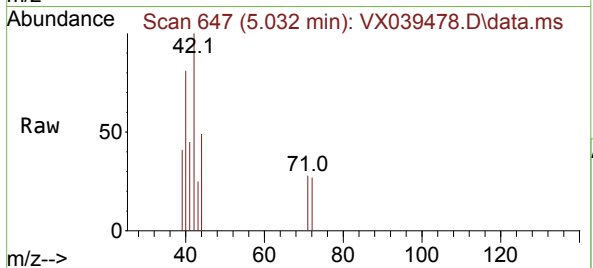
Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :



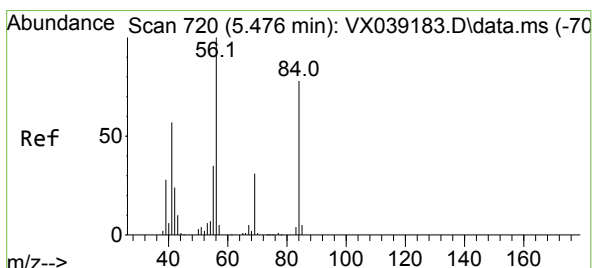
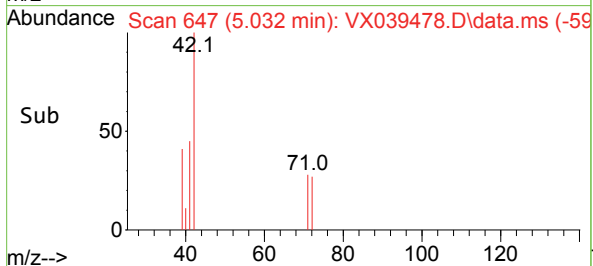
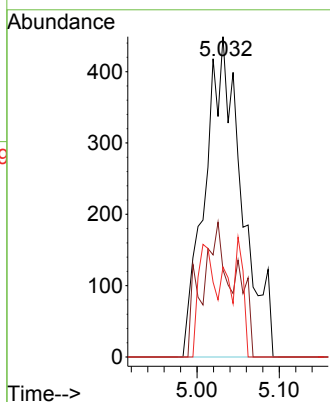
Tgt Ion: 42 Resp: 1397

Ion Ratio Lower Upper

42 100

72 28.3 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.280 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

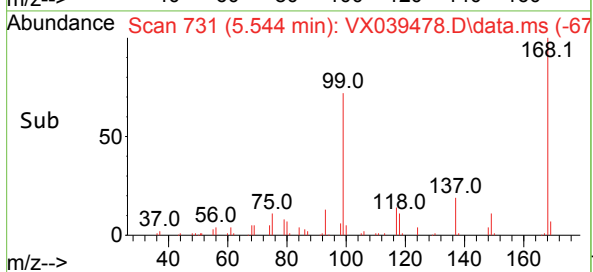
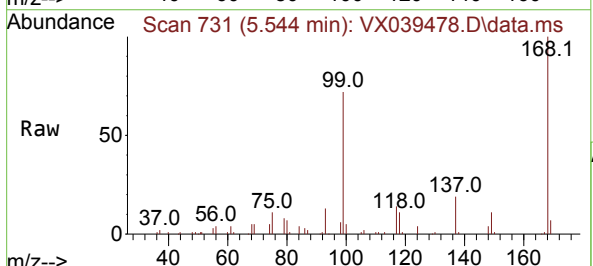
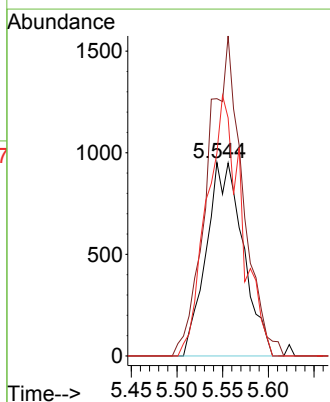
Tgt Ion: 56 Resp: 2670

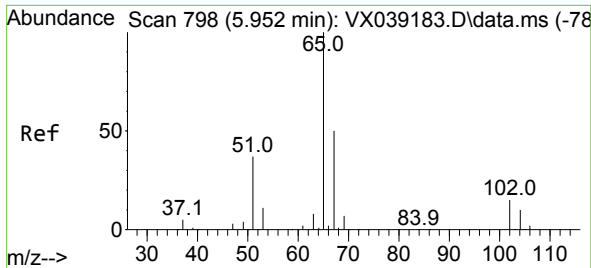
Ion Ratio Lower Upper

56 100

69 126.6 23.4 35.2#

84 104.9 65.9 98.9#

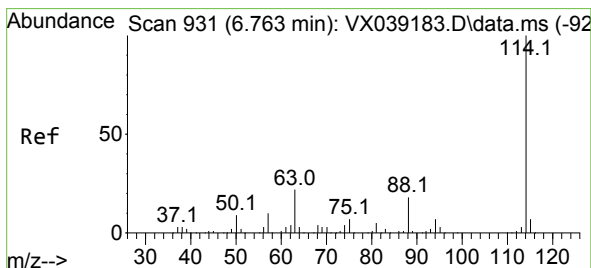
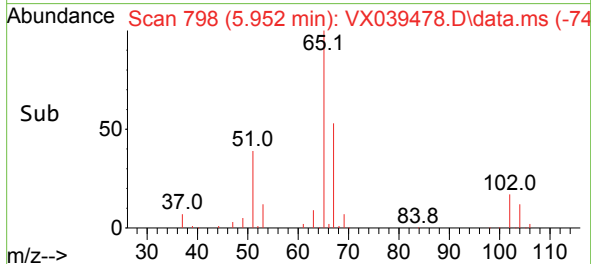
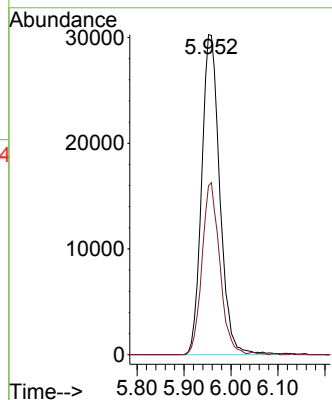
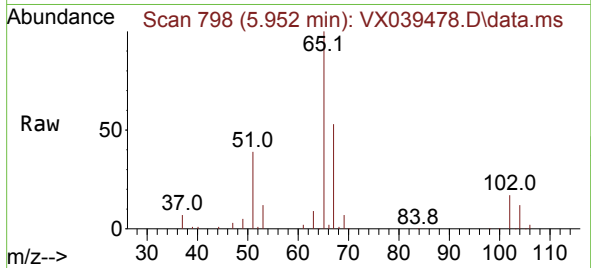




#33
 1,2-Dichloroethane-d4
 Concen: 50.131 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

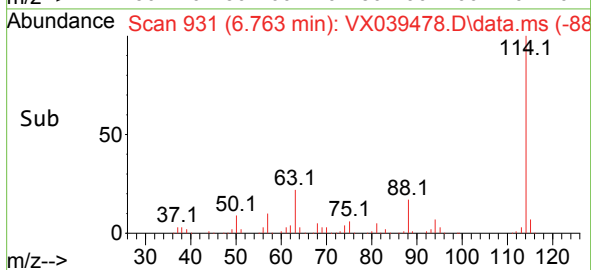
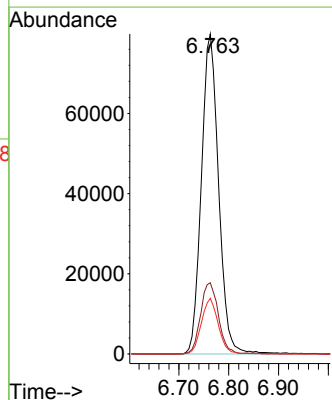
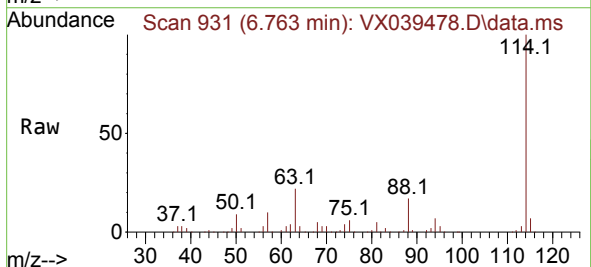
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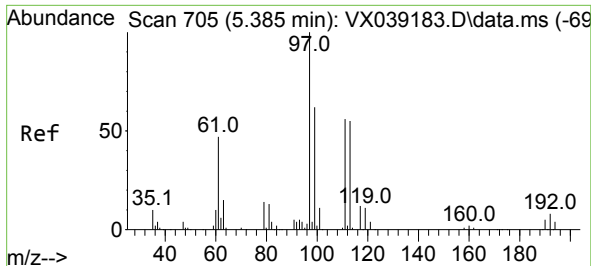
Tgt Ion: 65 Resp: 80969
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

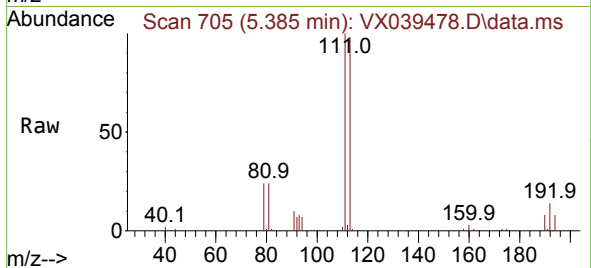
Tgt Ion: 114 Resp: 191219
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 17.4 0.0 36.6



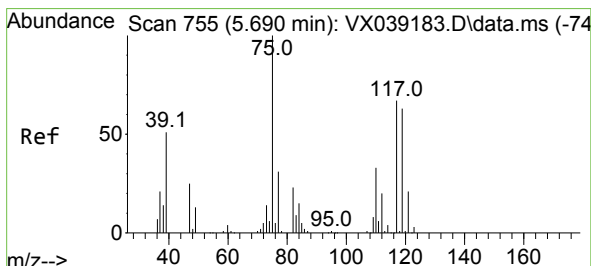
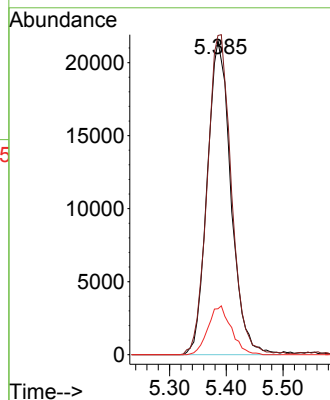
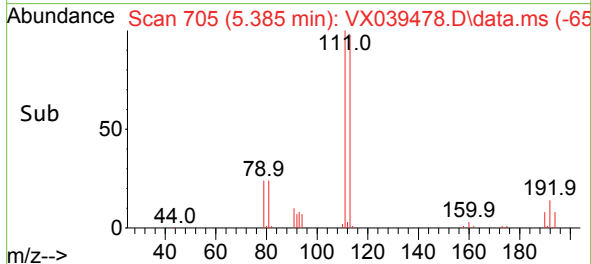


#35
Dibromofluoromethane
Concen: 47.319 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

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ClientSampleId :

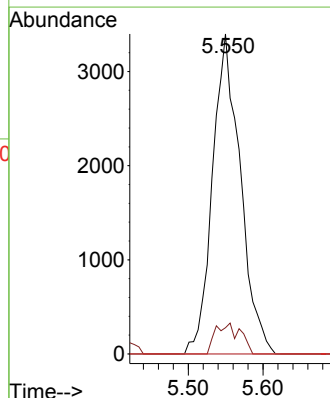
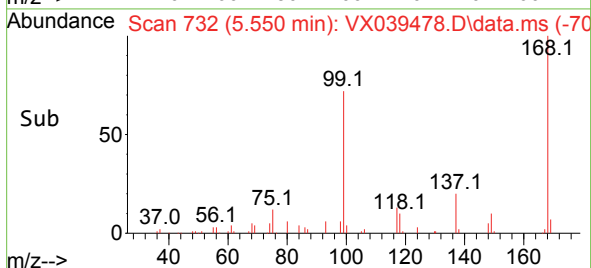
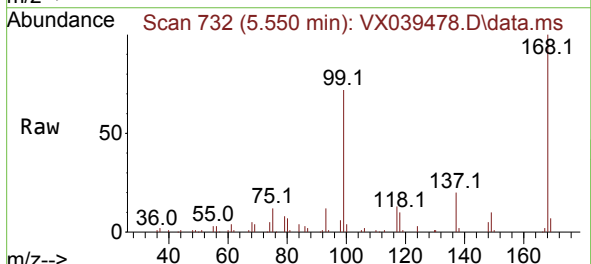


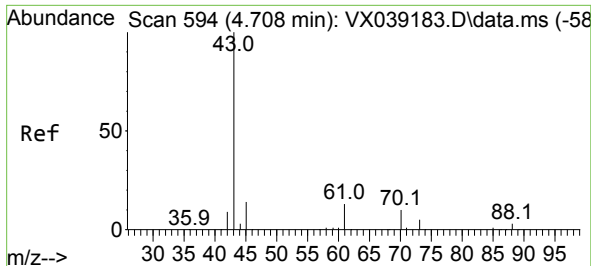
Tgt Ion:113 Resp: 62510
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 15.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 75 Resp: 8793
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.011 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.019 min

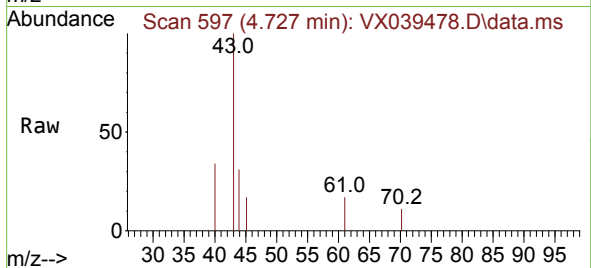
Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

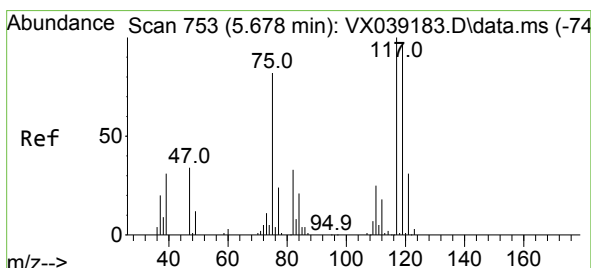
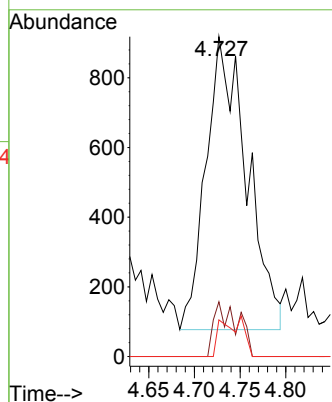
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2605
Ion Ratio	Lower Upper
43	100
61	10.7 10.6 16.0
70	0.0 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.204 ug/l

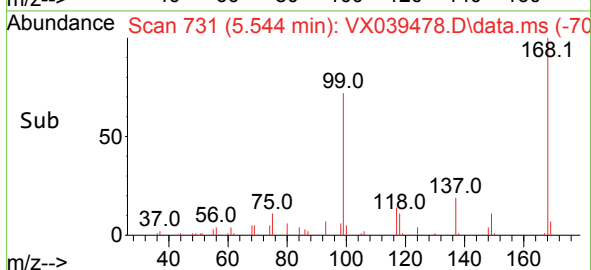
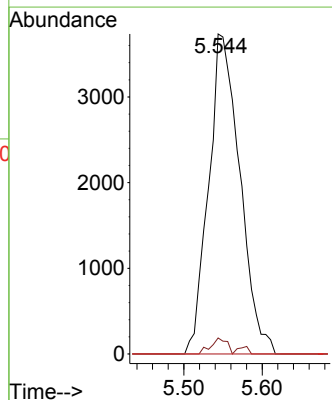
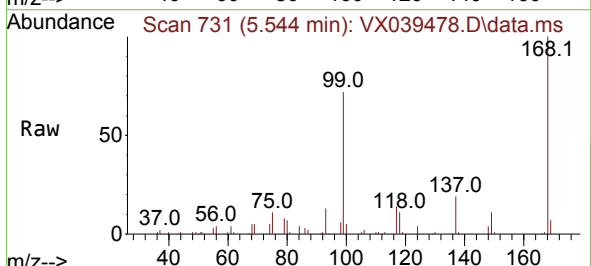
RT: 5.544 min Scan# 731

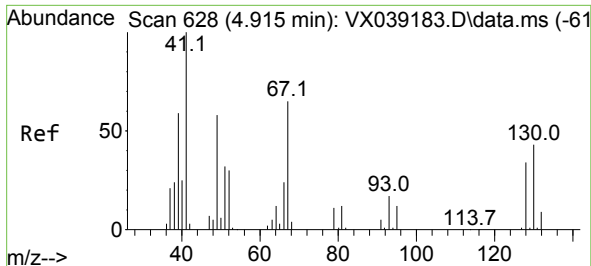
Delta R.T. -0.134 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

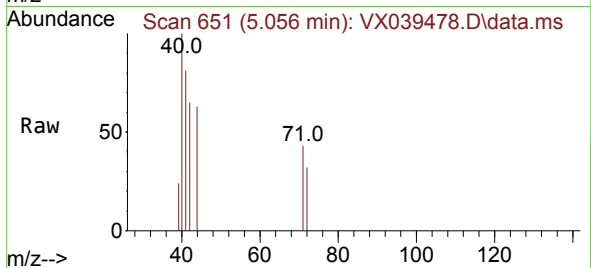
Tgt Ion: 117	Resp: 10353
Ion Ratio	Lower Upper
117	100
119	5.0 78.2 117.2
121	0.0 24.4 36.6



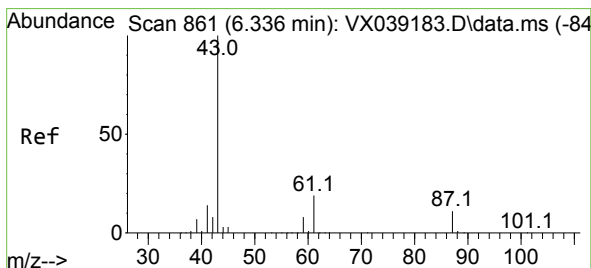
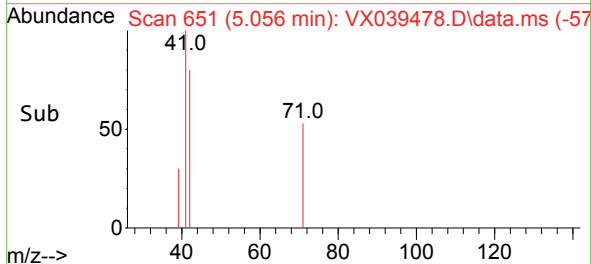
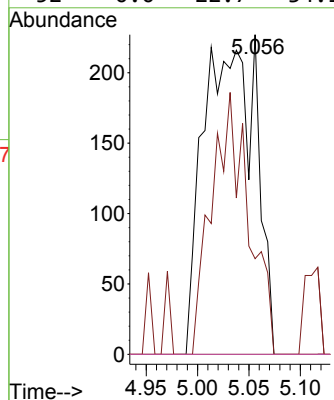


#41
Methacrylonitrile
Concen: 0.572 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.140 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Instrument :
MSVOA_X
ClientSampleId :

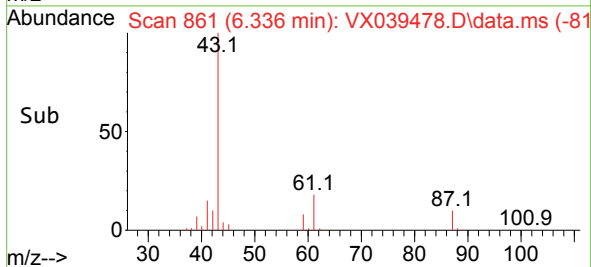
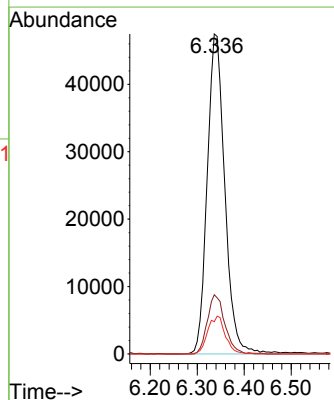
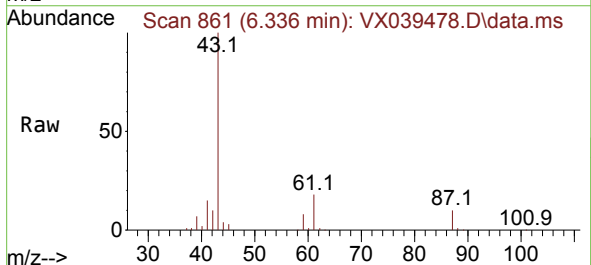


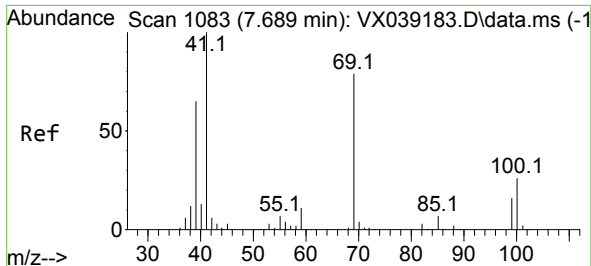
Tgt Ion: 41 Resp: 786
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 29.402 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 43 Resp: 123136
Ion Ratio Lower Upper
43 100
61 18.5 15.2 22.8
87 11.8 9.8 14.6





#48

Methyl methacrylate

Concen: 43.556 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

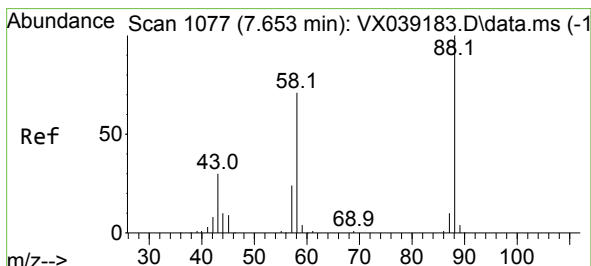
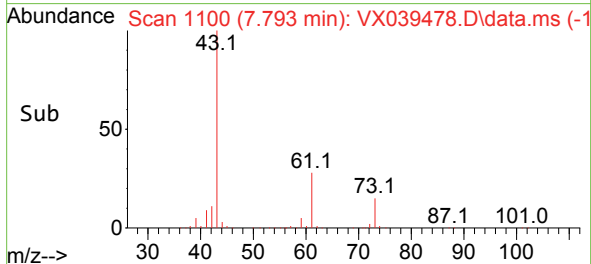
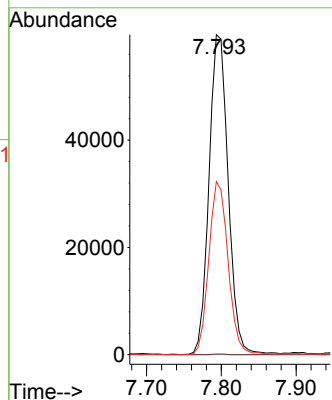
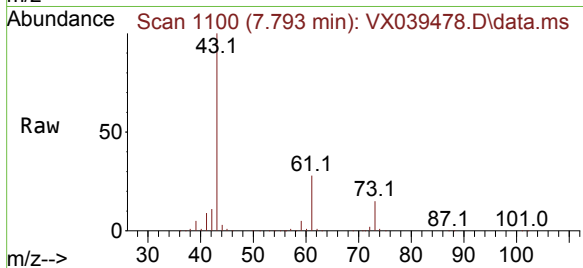
Tgt Ion: 41 Resp: 106643

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.4 47.7 71.5



#49

1,4-Dioxane

Concen: 5.212 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.153 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

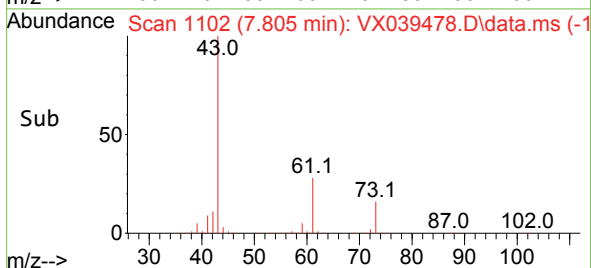
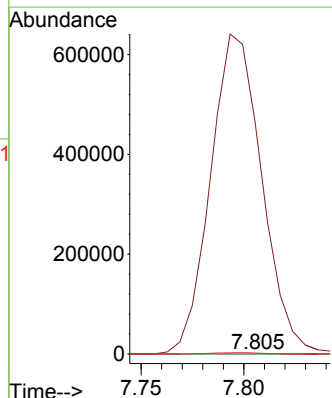
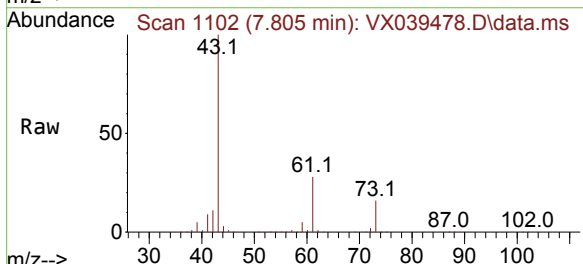
Tgt Ion: 88 Resp: 172

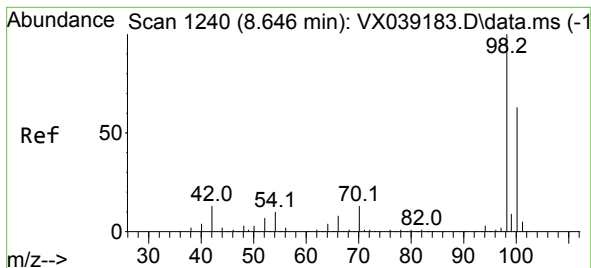
Ion Ratio Lower Upper

88 100

43 653562.8 0.0 0.0#

58 2637.2 60.1 90.1#





#50

Toluene-d8

Concen: 51.432 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA_X

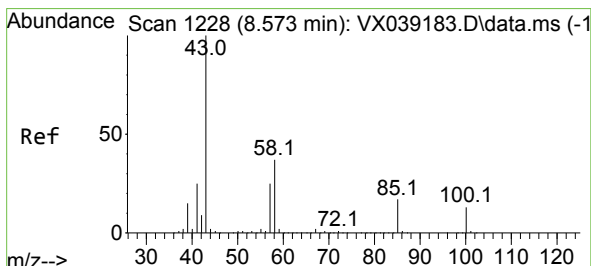
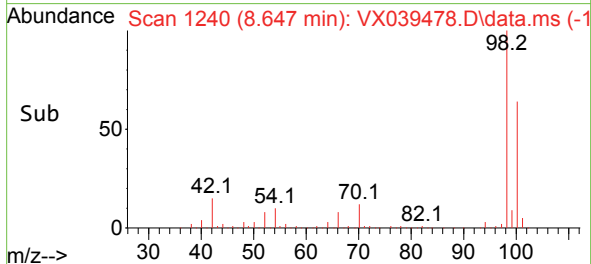
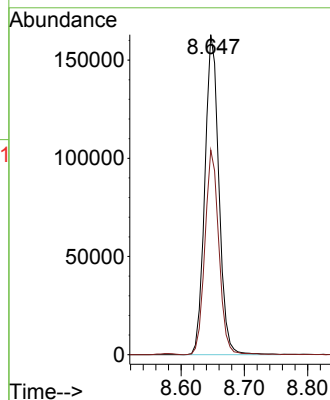
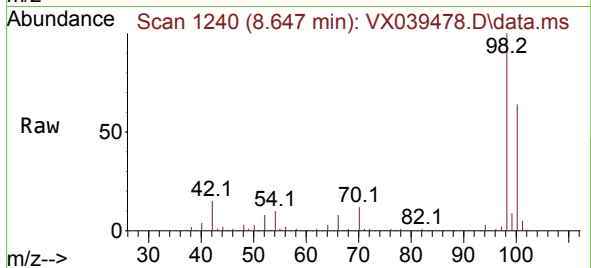
ClientSampleId :

Tgt Ion: 98 Resp: 252240

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 34.115 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.030 min

Lab File: VX039478.D

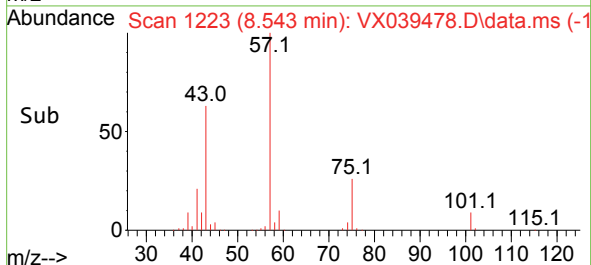
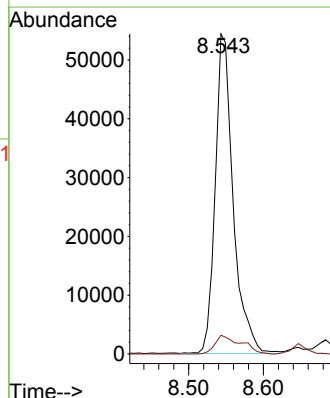
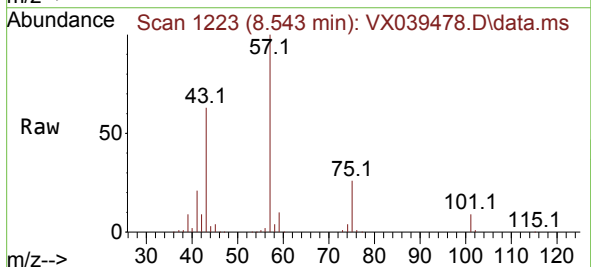
Acq: 26 Dec 2023 19:15

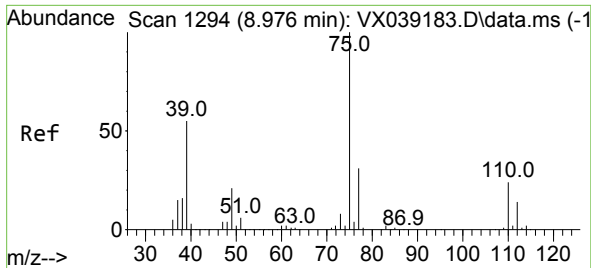
Tgt Ion: 43 Resp: 91032

Ion Ratio Lower Upper

43 100

58 8.5 30.4 45.6#

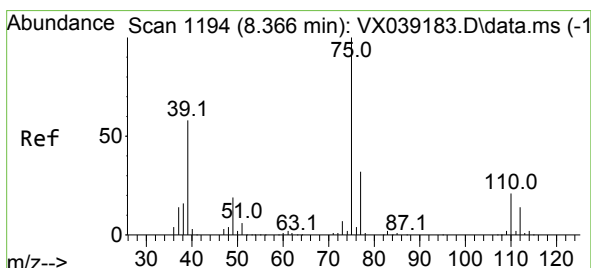
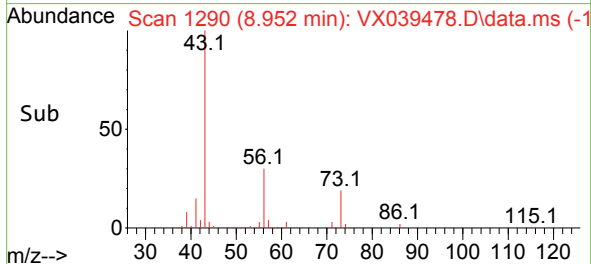
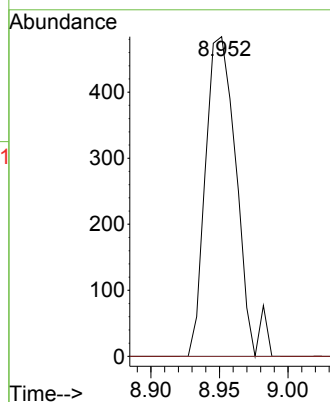
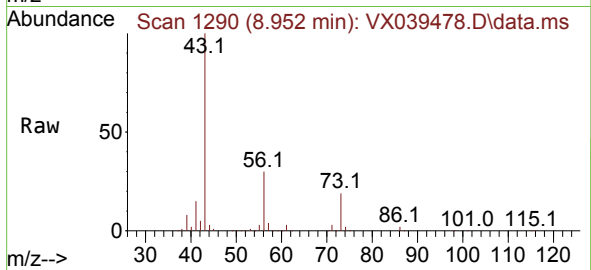




#53
 t-1,3-Dichloropropene
 Concen: 0.326 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

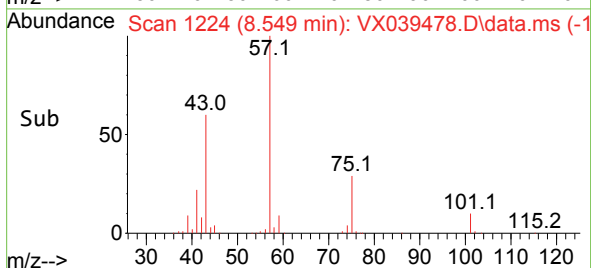
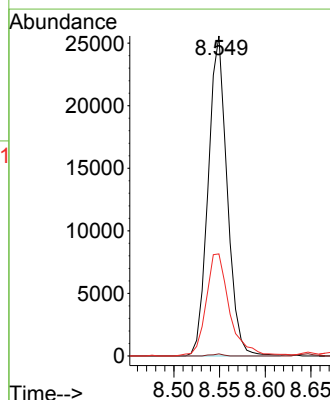
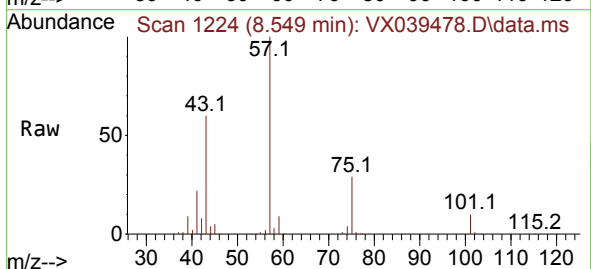
Instrument :
 MSVOA_X
 ClientSampleId :

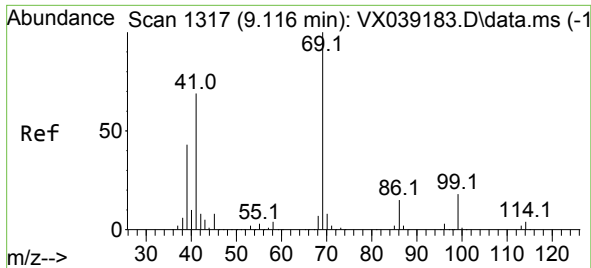
Tgt Ion: 75 Resp: 763
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.631 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

Tgt Ion: 75 Resp: 36867
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 31.7 46.7 70.1#

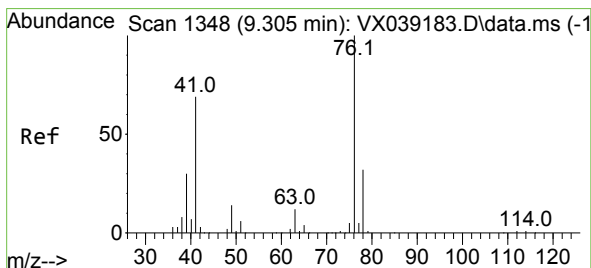
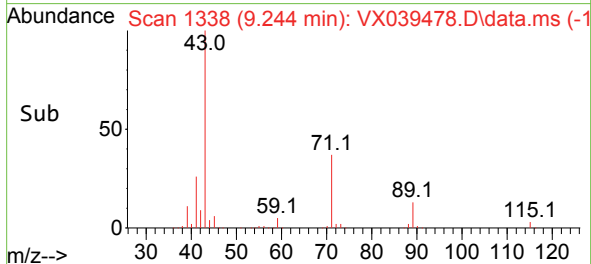
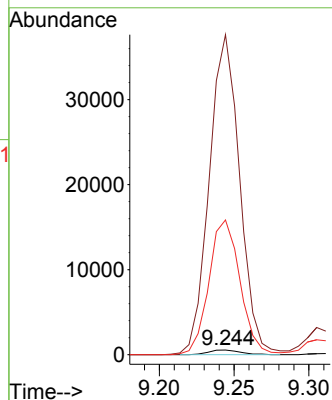
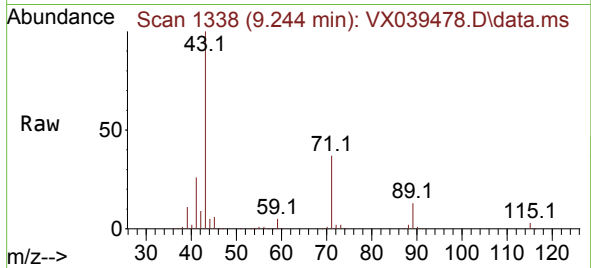




#56
Ethyl methacrylate
Concen: 0.447 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

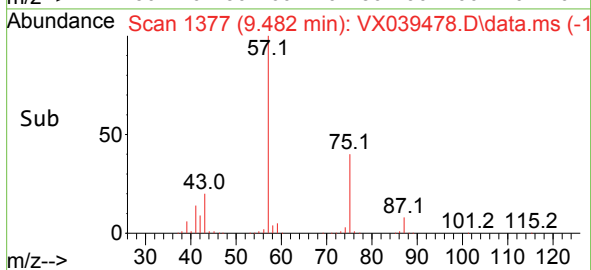
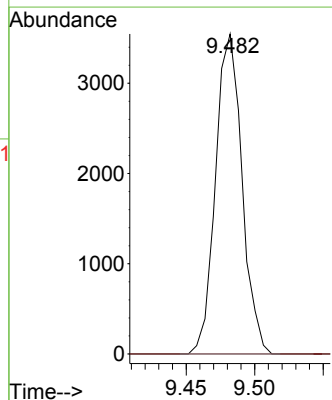
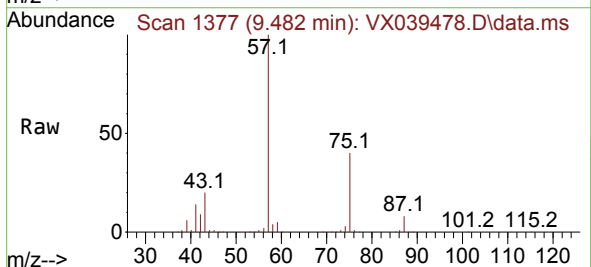
Instrument :
MSVOA_X
ClientSampleId :

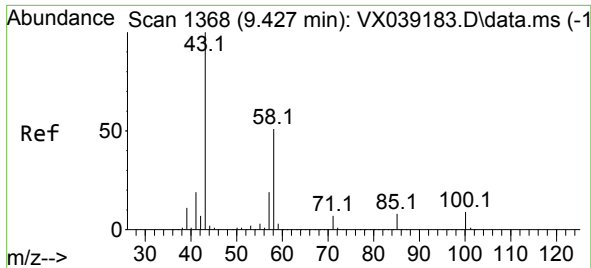
Tgt Ion: 69 Resp: 810
Ion Ratio Lower Upper
69 100
41 6589.3 56.8 85.2#
39 2834.9 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.855 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 76 Resp: 4764
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

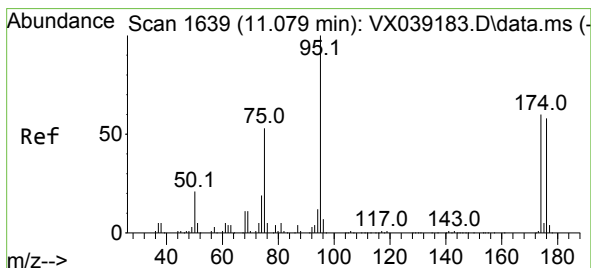
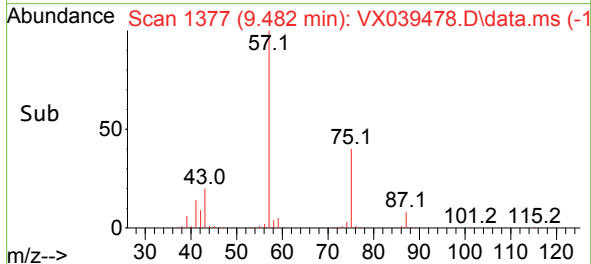
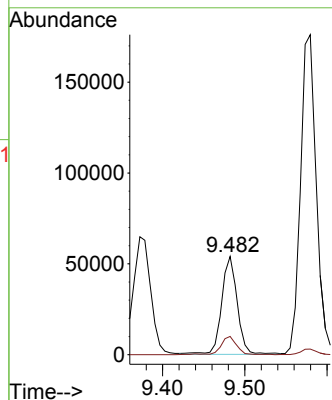
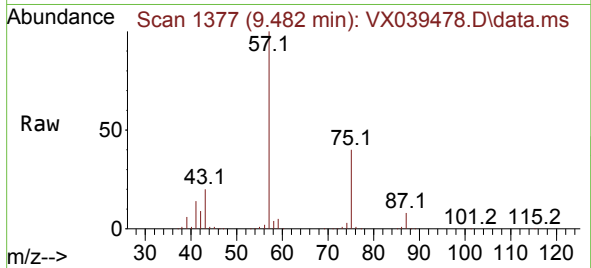




#59
2-Hexanone
Concen: 31.023 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

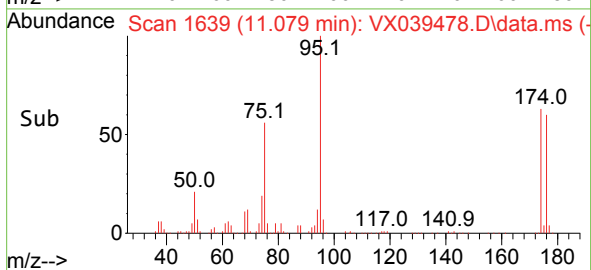
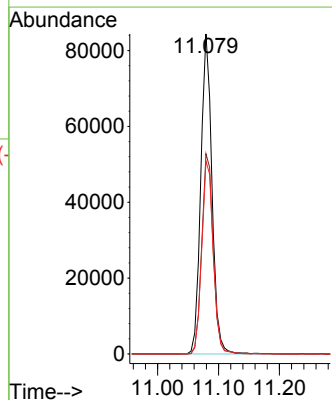
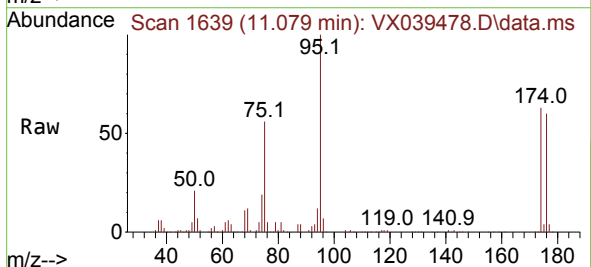
Instrument :
MSVOA_X
ClientSampleId :

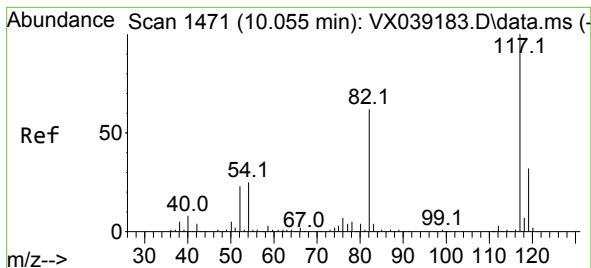
Tgt Ion: 43 Resp: 71444
Ion Ratio Lower Upper
43 100
58 18.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 95 Resp: 107776
Ion Ratio Lower Upper
95 100
174 63.9 0.0 135.6
176 61.7 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: VX039478.D

Acq: 26 Dec 2023 19:15

Instrument :

MSVOA_X

ClientSampleId :

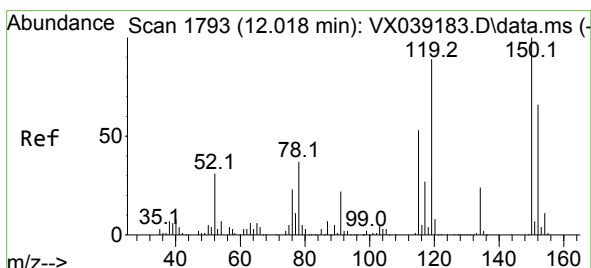
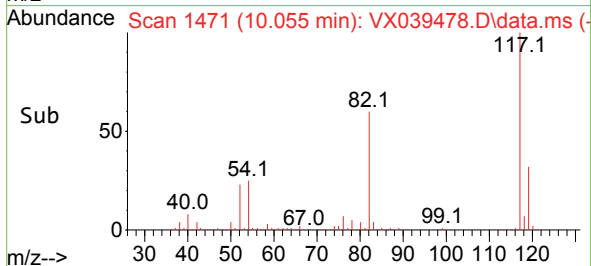
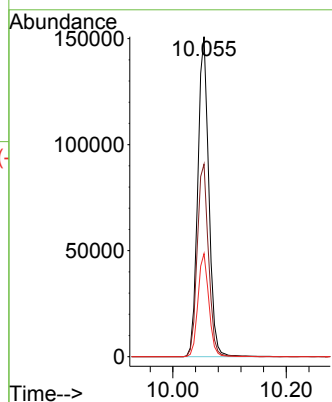
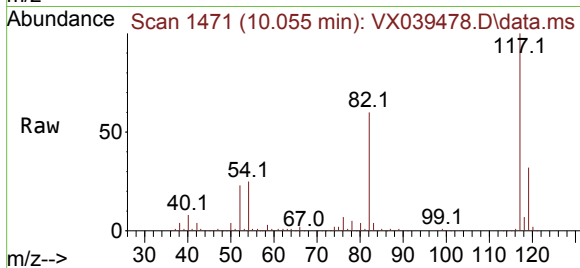
Tgt Ion:117 Resp: 203258

Ion Ratio Lower Upper

117 100

82 60.2 46.2 69.4

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039478.D

Acq: 26 Dec 2023 19:15

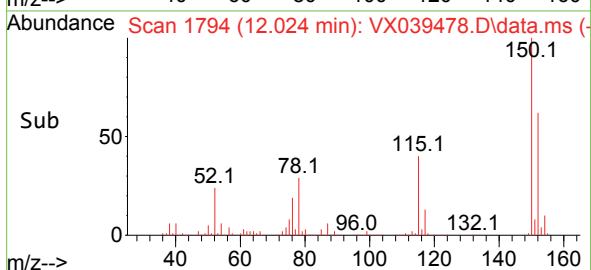
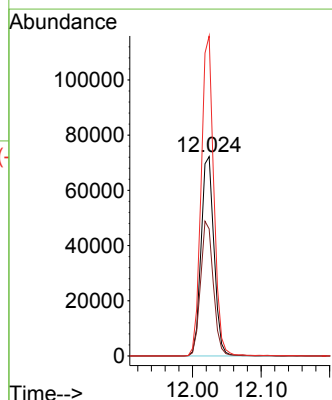
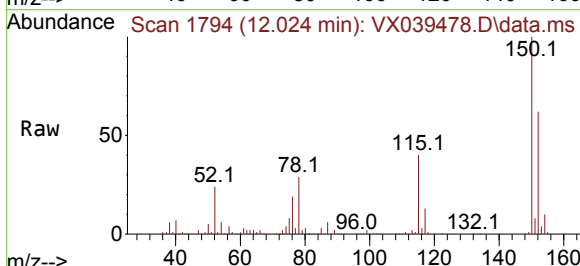
Tgt Ion:152 Resp: 95152

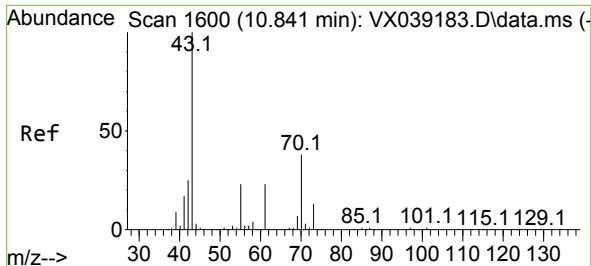
Ion Ratio Lower Upper

152 100

115 66.8 43.3 129.9

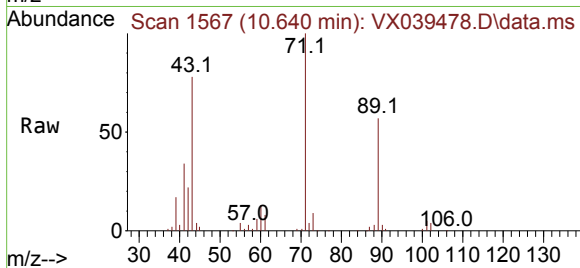
150 157.0 0.0 345.0



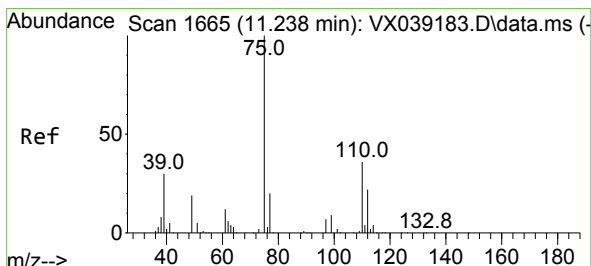
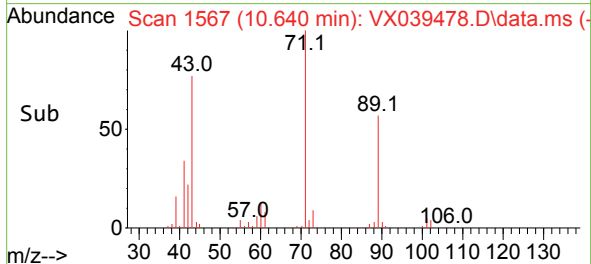
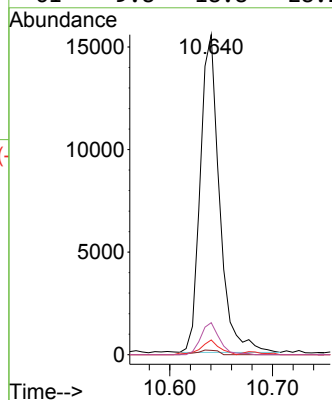


#74
N-amy1 acetate
Concen: 5.436 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Instrument :
MSVOA_X
ClientSampleId :

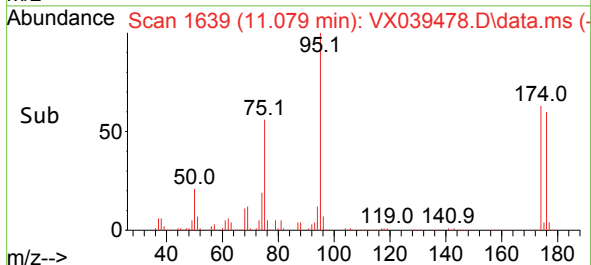
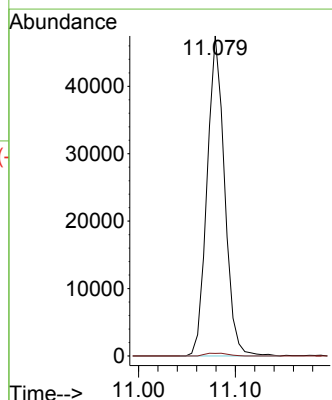
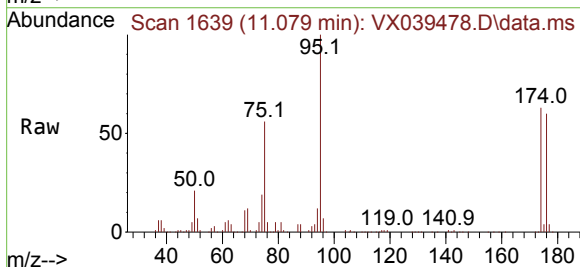


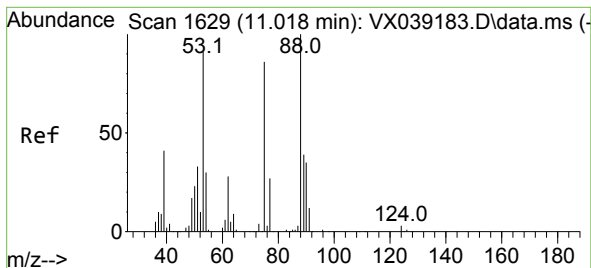
Tgt Ion: 43	Resp: 20193
Ion Ratio	Lower Upper
43	100
70	1.6 32.9 49.3#
55	4.5 19.3 28.9#
61	9.8 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039478.D
Acq: 26 Dec 2023 19:15

Tgt Ion: 75	Resp: 59841
Ion Ratio	Lower Upper
75	100
77	1.1 19.1 57.5#

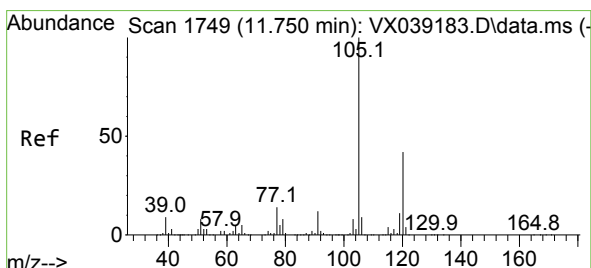
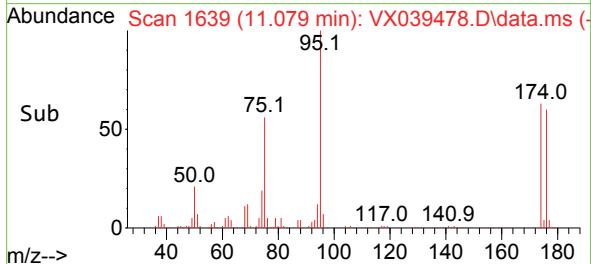
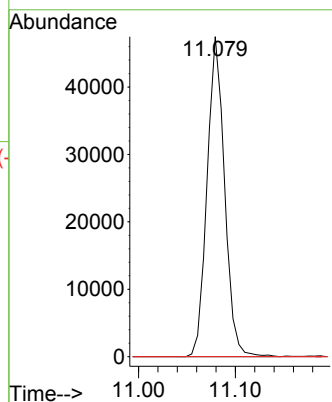
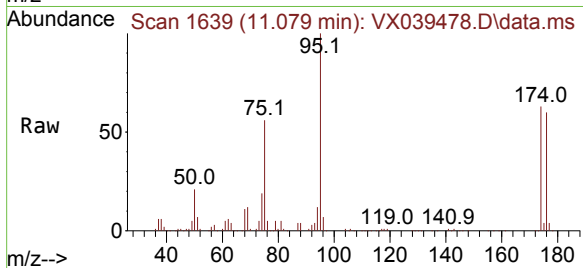




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.574 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 59841
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.213 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX039478.D
 Acq: 26 Dec 2023 19:15

Tgt Ion: 105 Resp: 1365
 Ion Ratio Lower Upper
 105 100
 120 53.0 21.2 63.6

