

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039476.D
 Acq On : 26 Dec 2023 18:29
 Operator : JC/MD
 Sample : PB158014ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

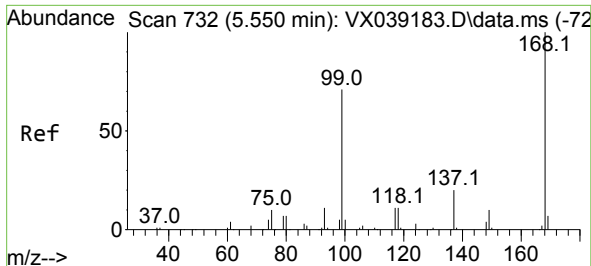
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:42:36 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)

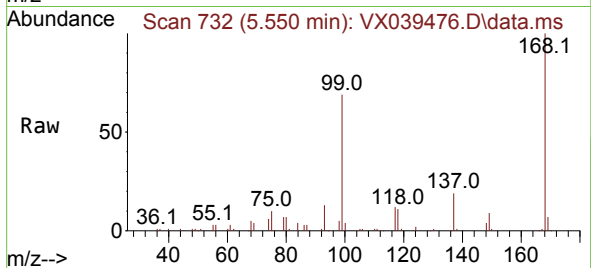
Internal Standards						
1) Pentafluorobenzene	5.550	168	87304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80400	50.271	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 100.540%		
35) Dibromofluoromethane	5.385	113	62715	47.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 95.180%		
50) Toluene-d8	8.647	98	248418	50.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 101.560%		
62) 4-Bromofluorobenzene	11.079	95	104601	51.819	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 103.640%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	538	0.706	ug/l	94
11) Tert butyl alcohol	2.953	59	2605	6.486	ug/l #	81
16) Acetone	2.374	43	30081	9.948	ug/l	92
18) Methyl Acetate	2.703	43	1630	0.471	ug/l	96
20) Methylene Chloride	2.788	84	12741	9.556	ug/l	94
25) 2-Butanone	4.574	43	5092	3.690	ug/l	92
29) Tetrahydrofuran	5.026	42	1261	1.655	ug/l	91
31) Cyclohexane	5.544	56	2692	1.303	ug/l #	22
36) 1,1-Dichloropropene	5.556	75	8767	4.216	ug/l #	49
37) Ethyl Acetate	4.727	43	3656	1.423	ug/l #	86
38) Carbon Tetrachloride	5.556	117	10558	5.320	ug/l #	15
41) Methacrylonitrile	5.026	41	442	0.322	ug/l #	42
43) Isopropyl Acetate	6.336	43	123774	29.626	ug/l	99
48) Methyl methacrylate	7.793	41	108235	44.314	ug/l #	47
49) 1,4-Dioxane	7.793	88	132	4.009	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	90891	34.145	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	721	0.309	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36819	14.647	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	4712	1.839	ug/l #	42
59) 2-Hexanone	9.482	43	70071	30.501	ug/l #	53
74) N-amyl acetate	10.640	43	21071	5.963	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	57960	24.750	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57960	69.819	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1682	0.276	ug/l	91

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

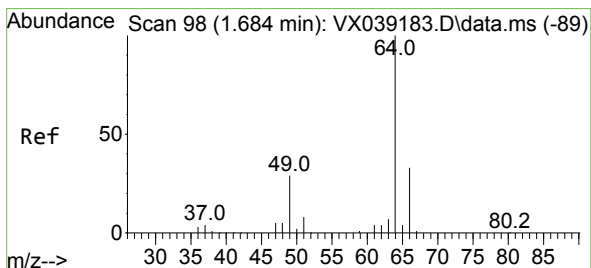
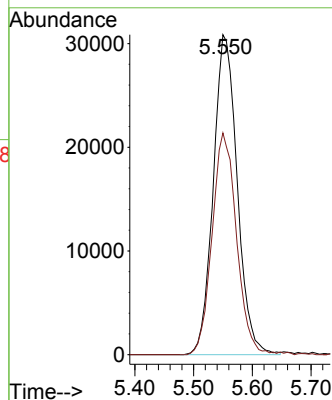
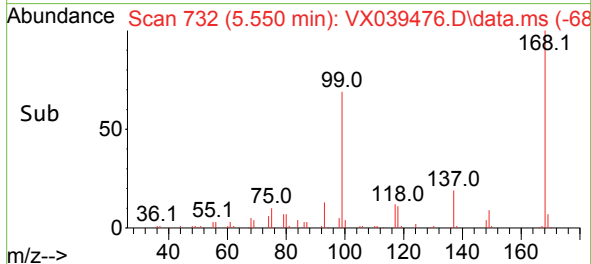


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

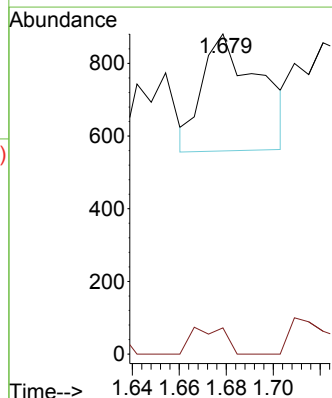
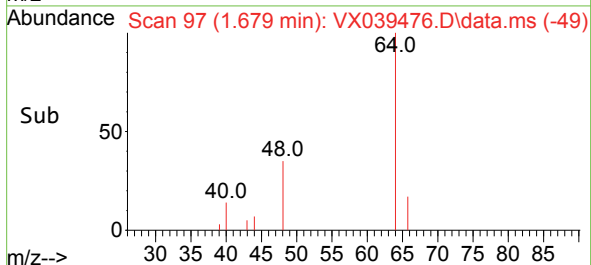
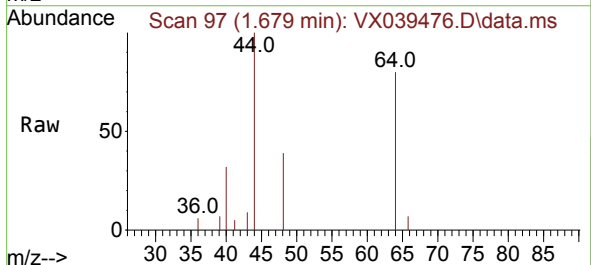


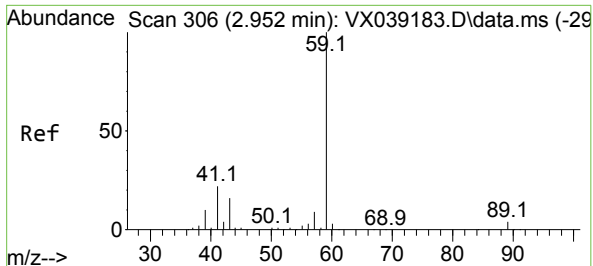
Tgt Ion:168 Resp: 87304
Ion Ratio Lower Upper
168 100
99 69.3 56.6 85.0



#6
Chloroethane
Concen: 0.706 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 64 Resp: 538
Ion Ratio Lower Upper
64 100
66 28.0 25.1 37.7





#11

Tert butyl alcohol

Concen: 6.486 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

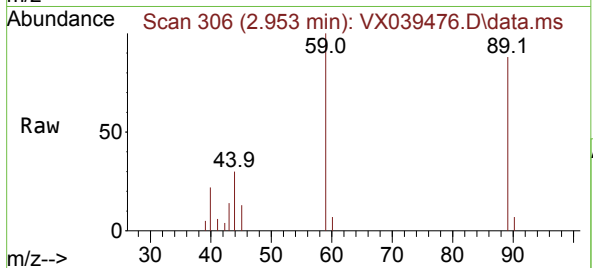
Lab File: VX039476.D

Acq: 26 Dec 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

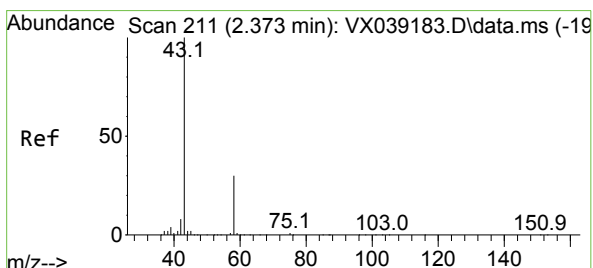
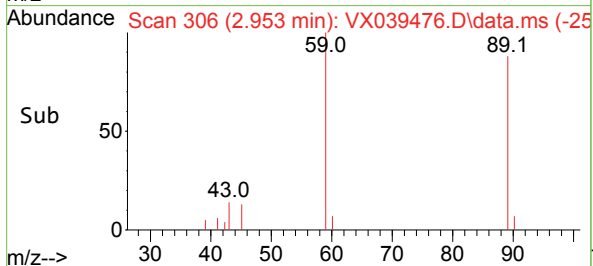
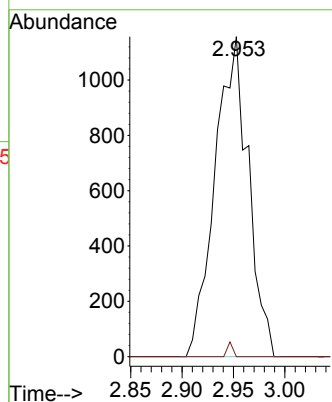


Tgt Ion: 59 Resp: 2605

Ion Ratio Lower Upper

59 100

57 0.7 6.0 9.0#



#16

Acetone

Concen: 9.948 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039476.D

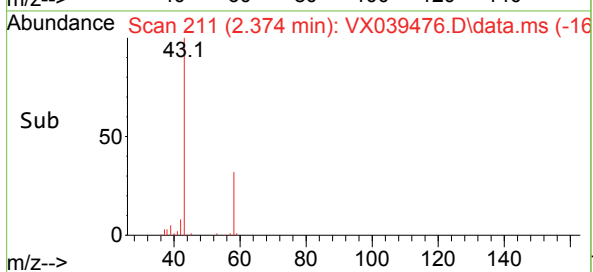
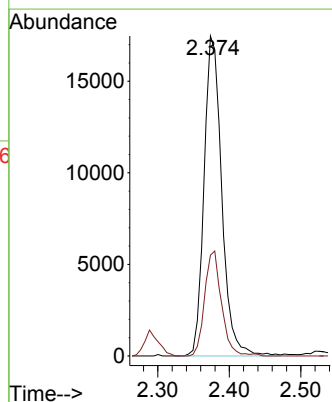
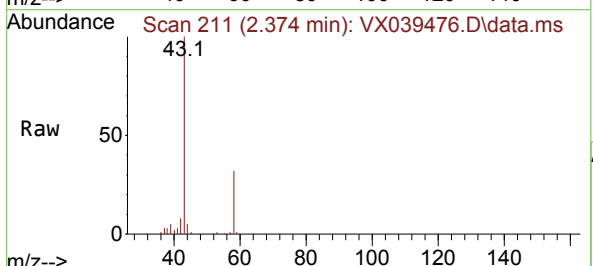
Acq: 26 Dec 2023 18:29

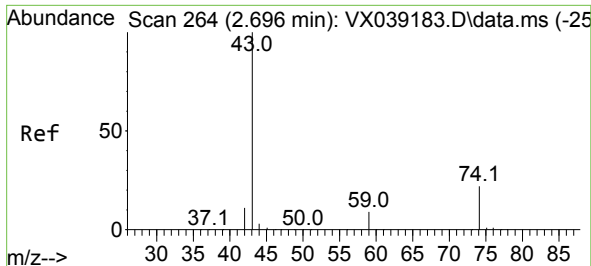
Tgt Ion: 43 Resp: 30081

Ion Ratio Lower Upper

43 100

58 31.5 21.9 32.9

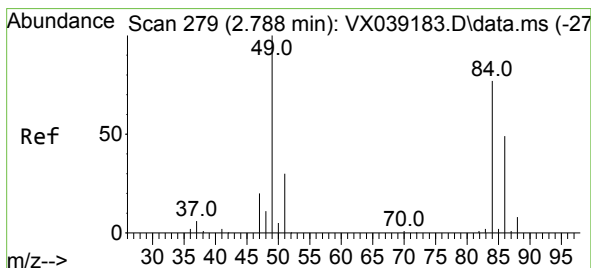
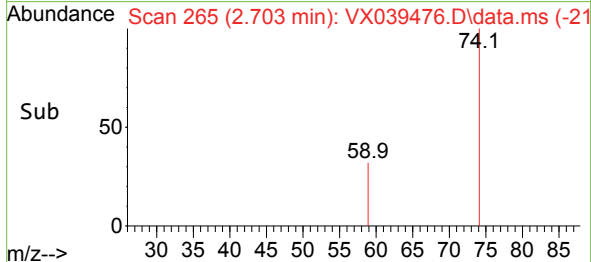
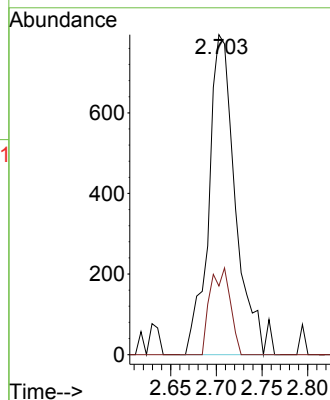
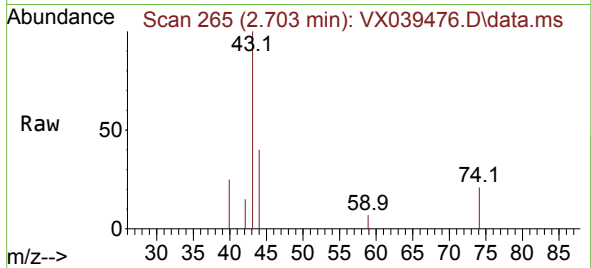




#18
Methyl Acetate
Concen: 0.471 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

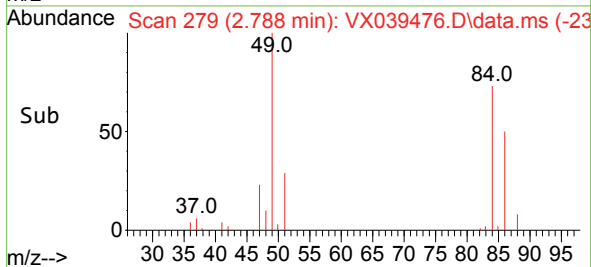
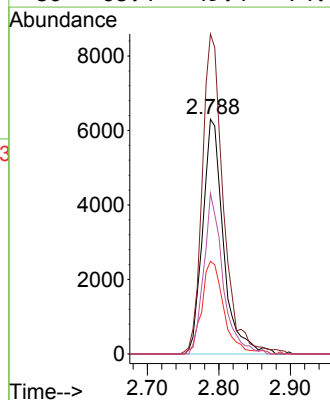
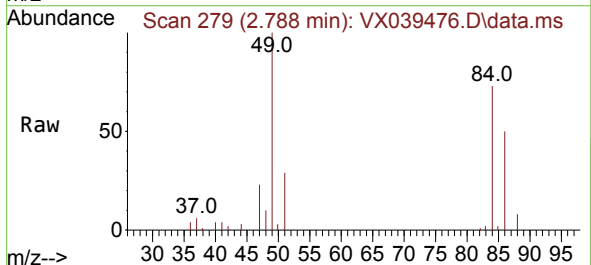
Instrument :
MSVOA_X
ClientSampleId :

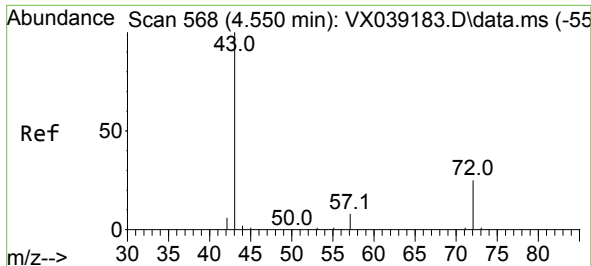
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
74 20.2 17.8 26.8



#20
Methylene Chloride
Concen: 9.556 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 84 Resp: 12741
Ion Ratio Lower Upper
84 100
49 136.3 103.6 155.4
51 39.4 33.8 50.6
86 68.4 49.4 74.0

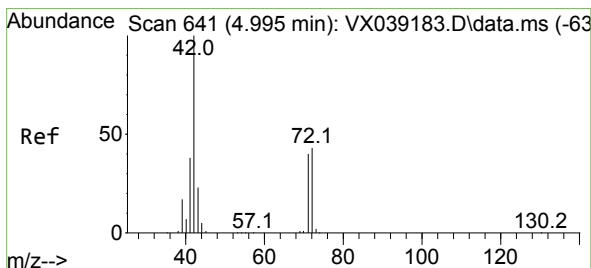
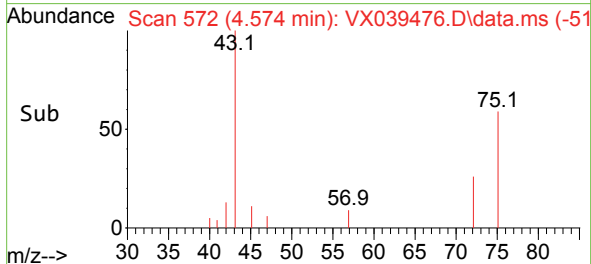
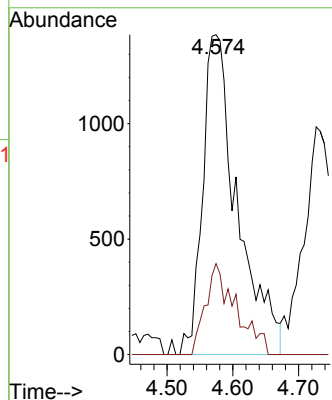
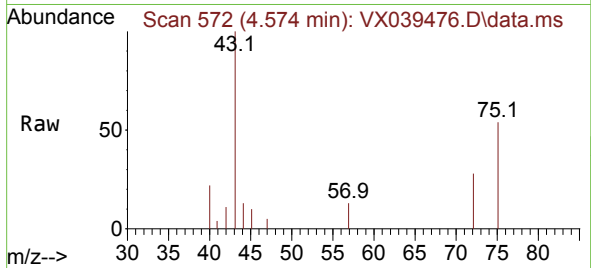




#25
2-Butanone
Concen: 3.690 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

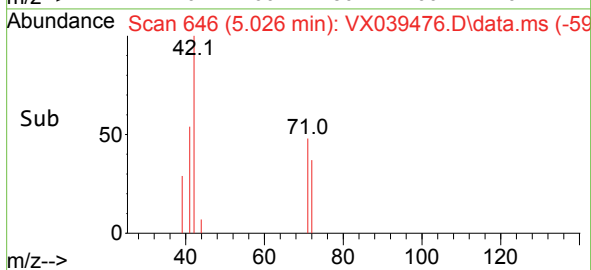
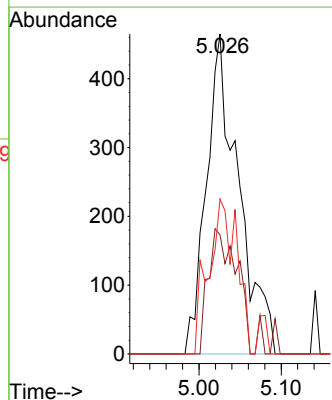
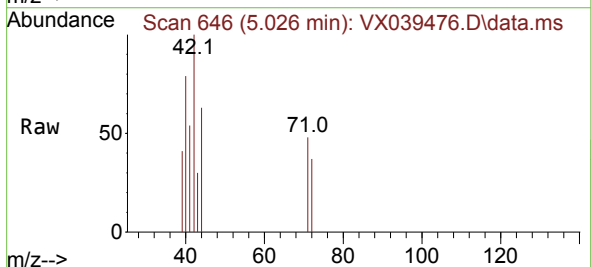
Instrument :
MSVOA_X
ClientSampleId :

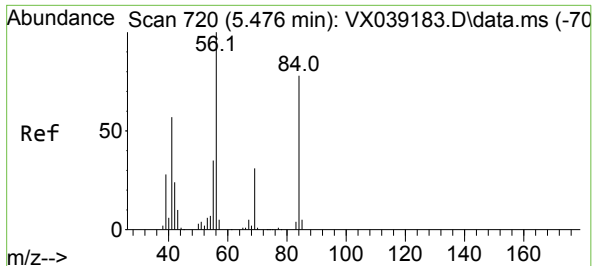
Tgt Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
72 28.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.655 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

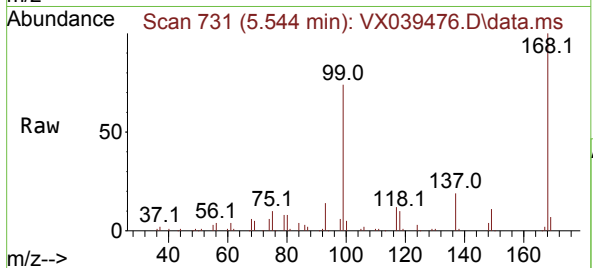
Tgt Ion: 42 Resp: 1261
Ion Ratio Lower Upper
42 100
72 34.7 34.2 51.4
71 42.9 32.2 48.2



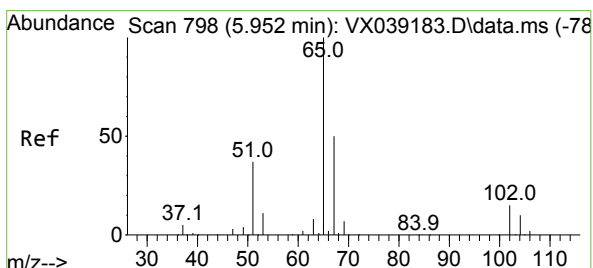
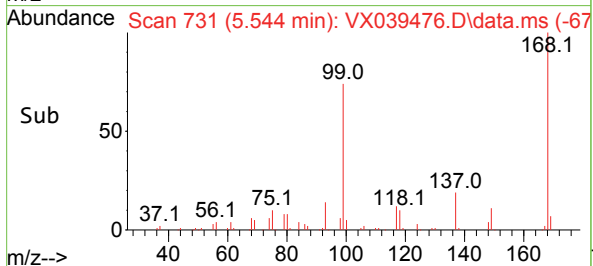
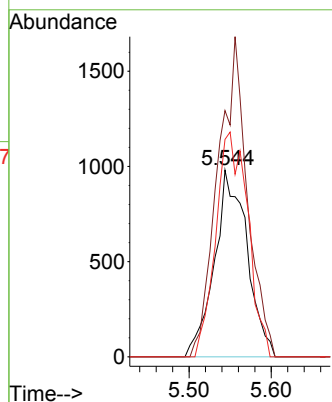


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

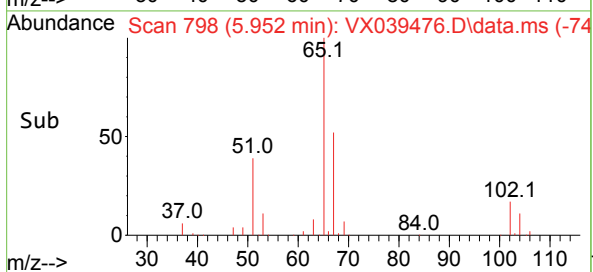
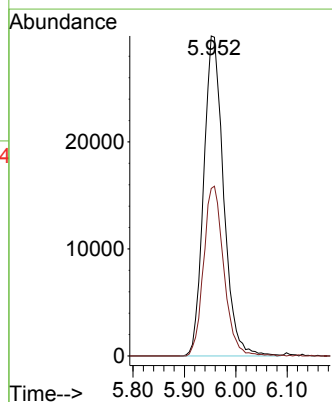
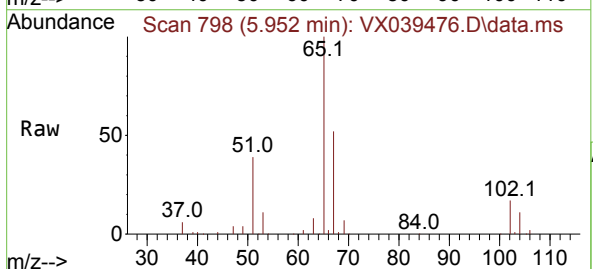


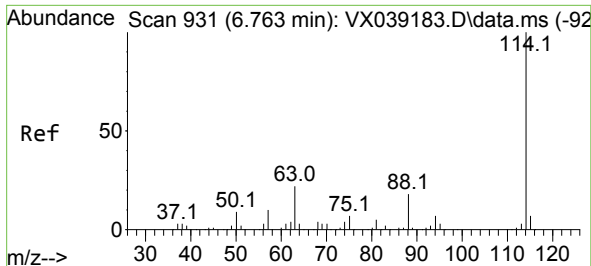
Tgt Ion: 56 Resp: 2692
Ion Ratio Lower Upper
56 100
69 131.9 23.4 35.2#
84 116.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.271 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 65 Resp: 80400
Ion Ratio Lower Upper
65 100
67 53.9 0.0 100.2

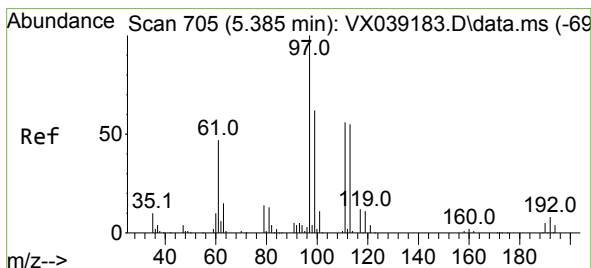
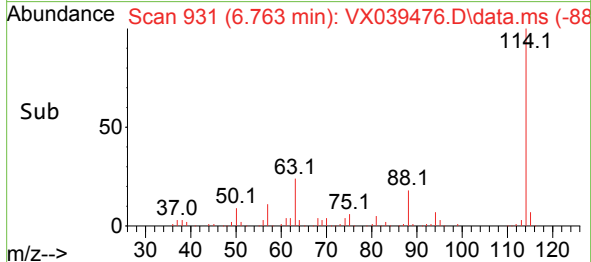
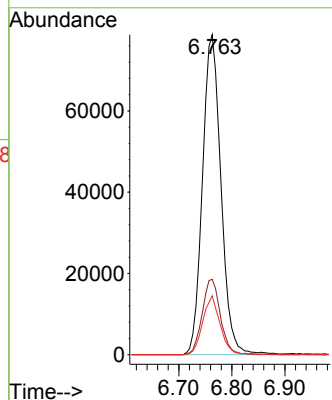
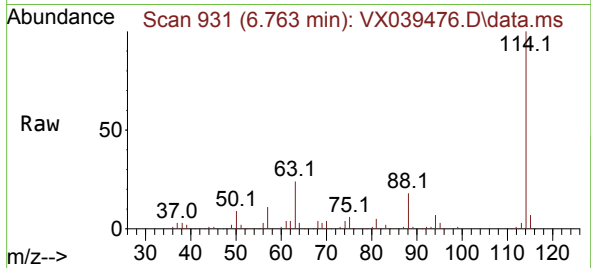




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

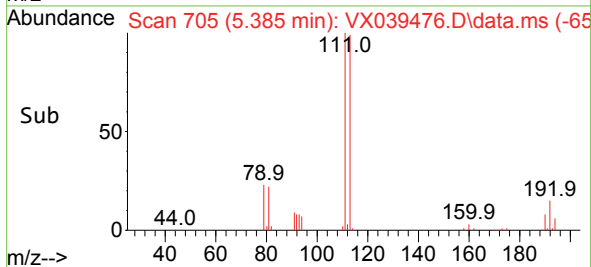
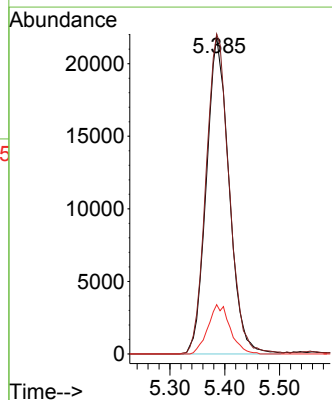
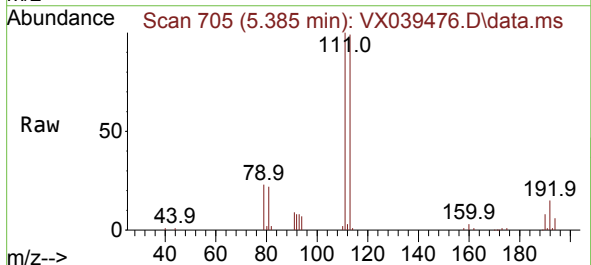
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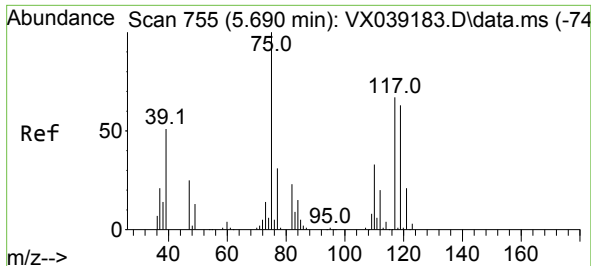
Tgt Ion:114 Resp: 190753
Ion Ratio Lower Upper
114 100
63 23.6 0.0 45.0
88 18.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.590 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

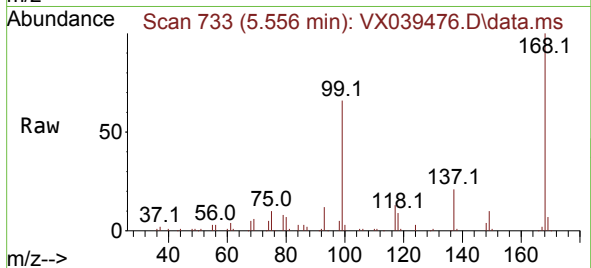
Tgt Ion:113 Resp: 62715
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 15.2 13.3 19.9



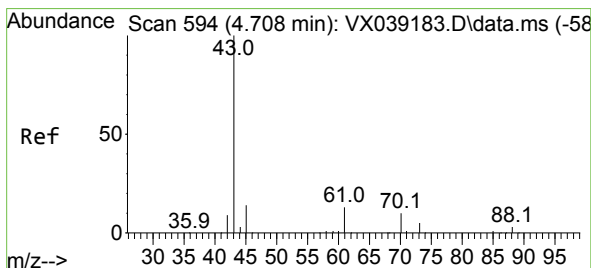
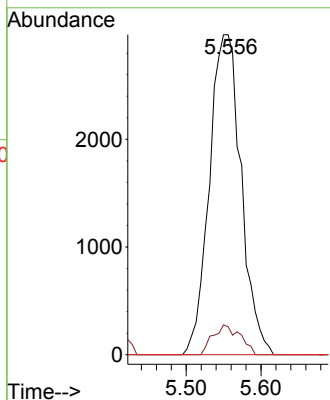
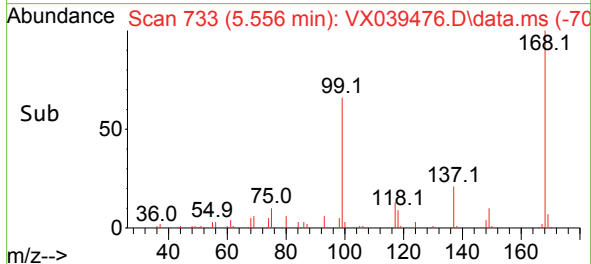


#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

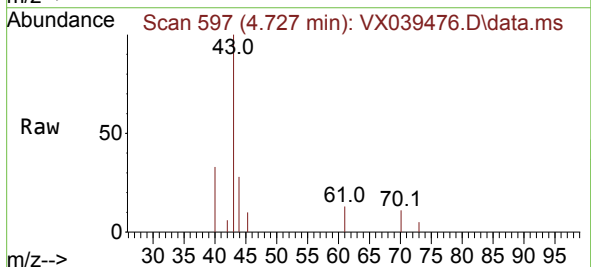
Instrument :
MSVOA_X
ClientSampleId :



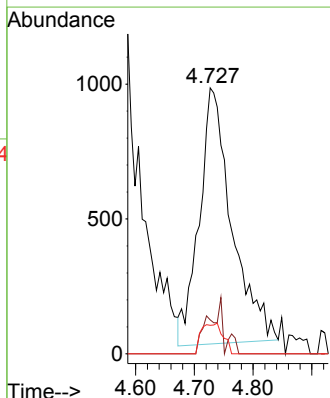
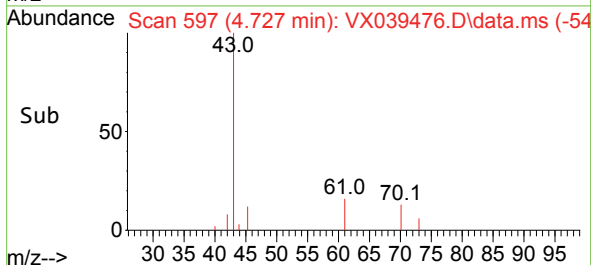
Tgt Ion: 75 Resp: 8767
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#

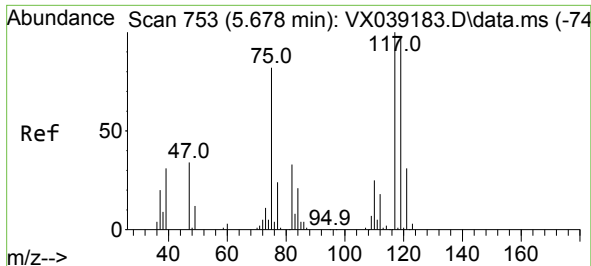


#37
Ethyl Acetate
Concen: 1.423 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.019 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29



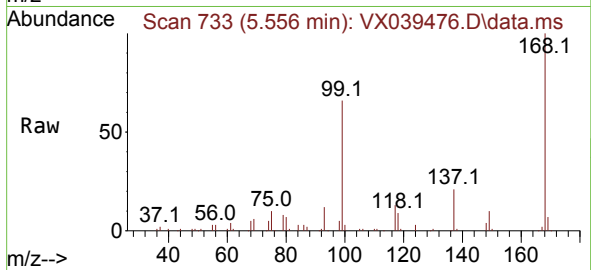
Tgt Ion: 43 Resp: 3656
Ion Ratio Lower Upper
43 100
61 5.5 10.6 16.0#
70 8.0 8.3 12.5#



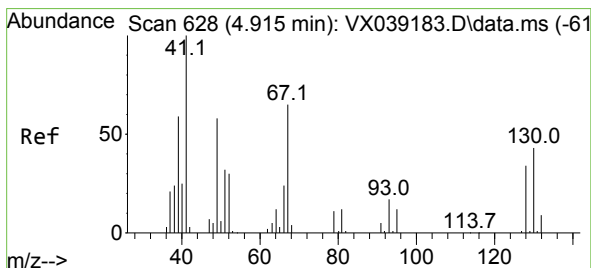
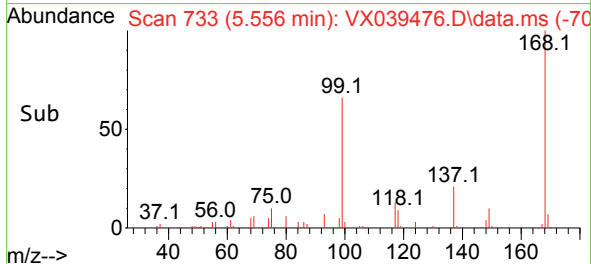
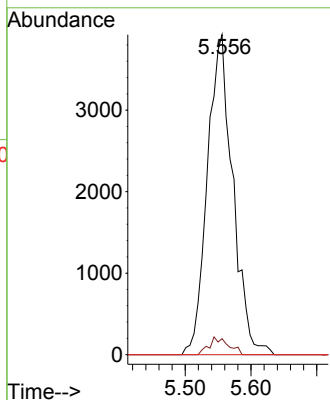


#38
Carbon Tetrachloride
Concen: 5.320 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :

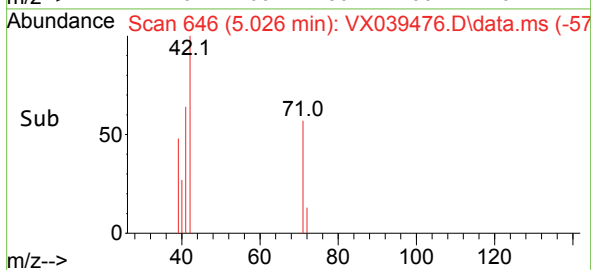
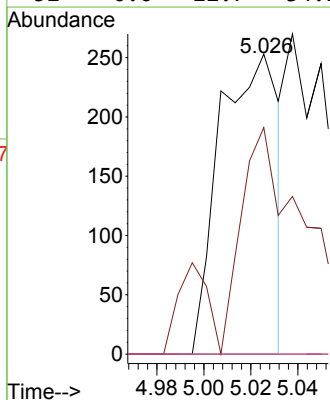
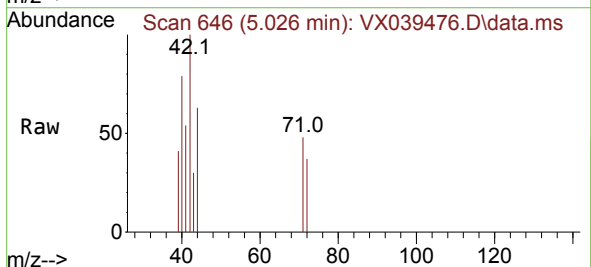


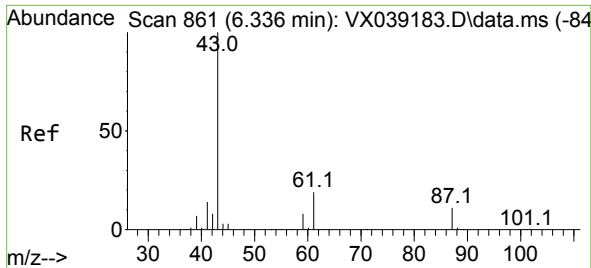
Tgt Ion:117 Resp: 10558
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.322 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 41 Resp: 442
Ion Ratio Lower Upper
41 100
39 78.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

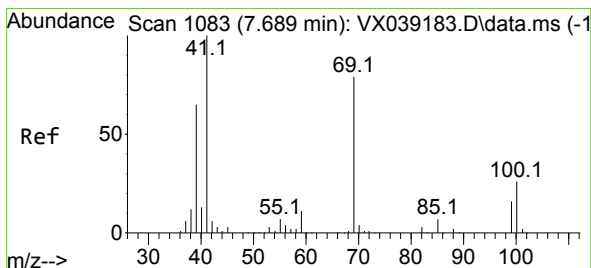
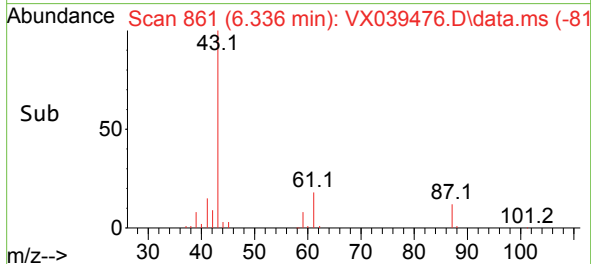
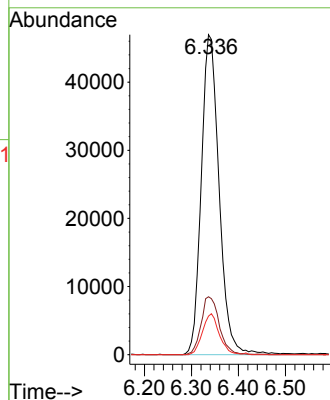
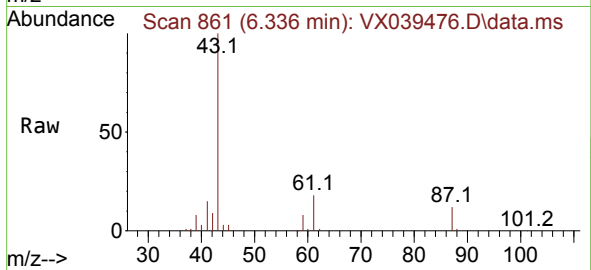




#43
Isopropyl Acetate
Concen: 29.626 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

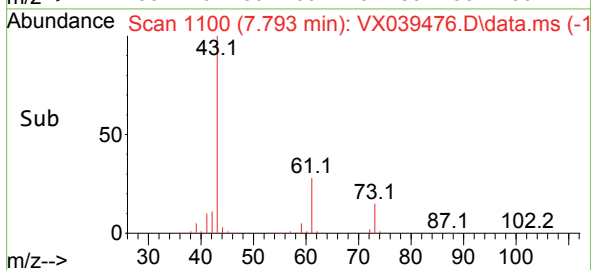
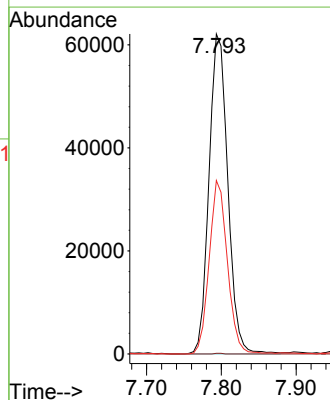
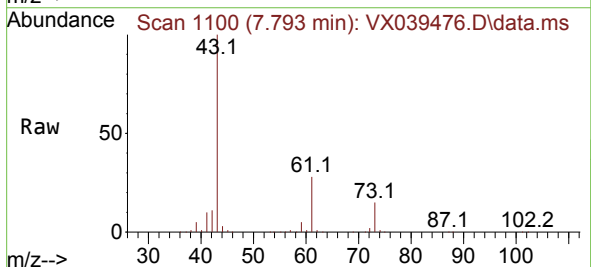
Instrument :
MSVOA_X
ClientSampleId :

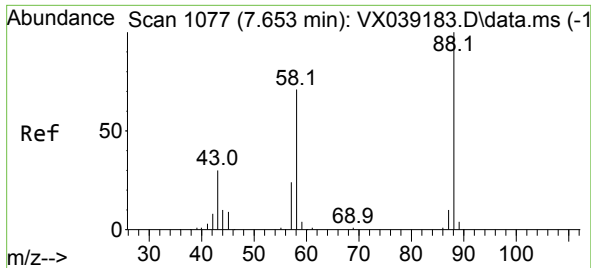
Tgt Ion: 43 Resp: 123774
Ion Ratio Lower Upper
43 100
61 18.4 15.2 22.8
87 12.0 9.8 14.6



#48
Methyl methacrylate
Concen: 44.314 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 41 Resp: 108235
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 52.5 47.7 71.5

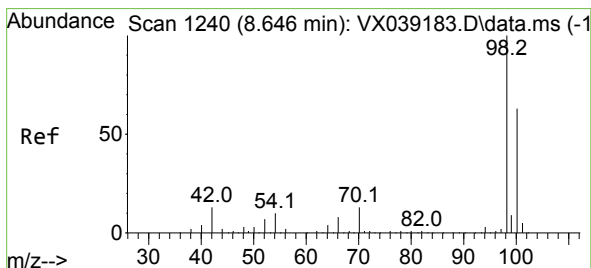
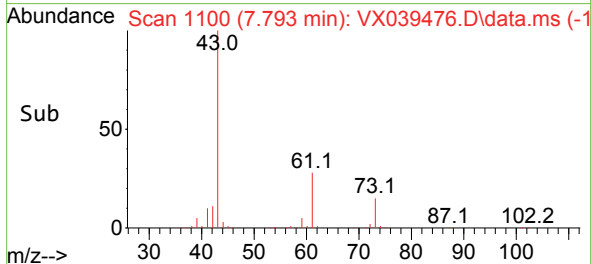
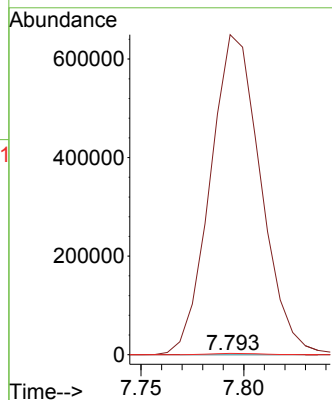
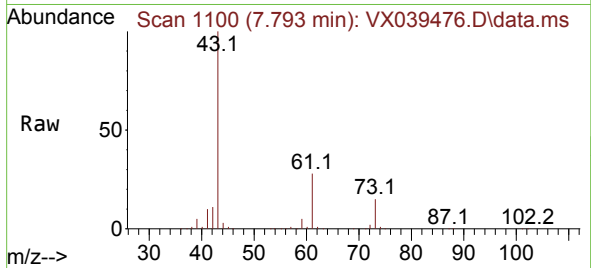




#49
1,4-Dioxane
Concen: 4.009 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.141 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

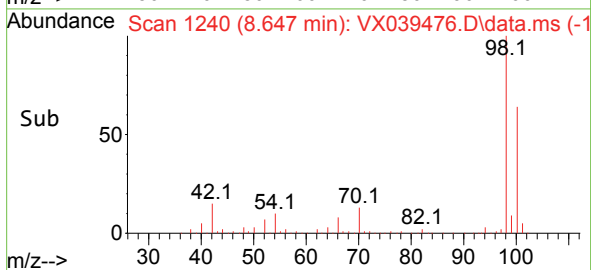
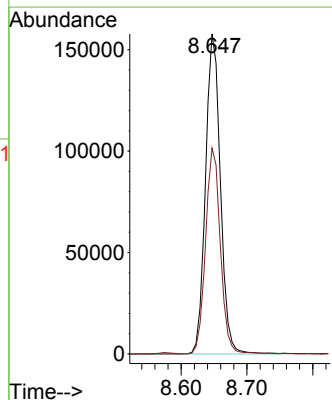
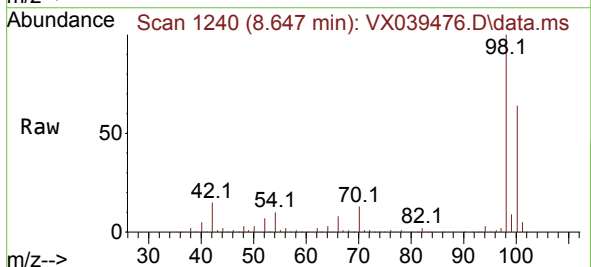
Instrument :
MSVOA_X
ClientSampleId :

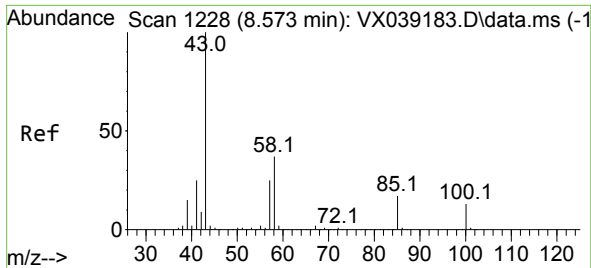
Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 850204.5 0.0 0.0#
58 3438.6 60.1 90.1#



#50
Toluene-d8
Concen: 50.776 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 98 Resp: 248418
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 34.145 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX039476.D

Acq: 26 Dec 2023 18:29

Instrument :

MSVOA_X

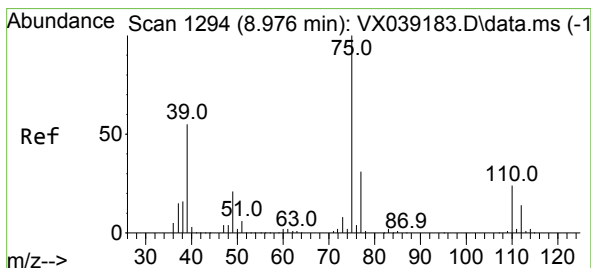
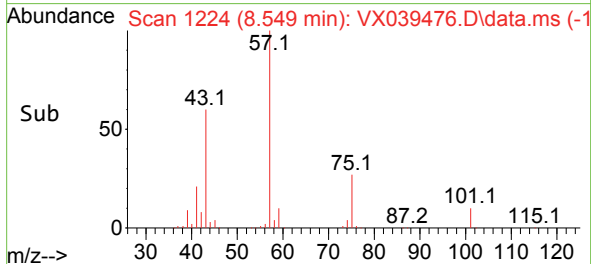
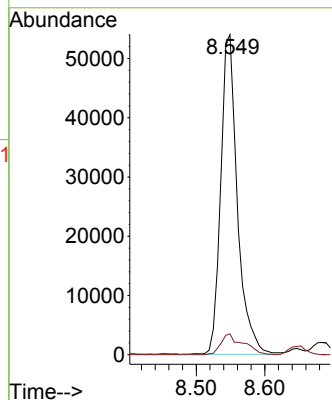
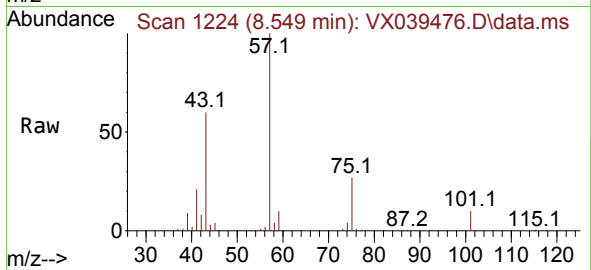
ClientSampleId :

Tgt Ion: 43 Resp: 90891

Ion Ratio Lower Upper

43 100

58 8.7 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.309 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX039476.D

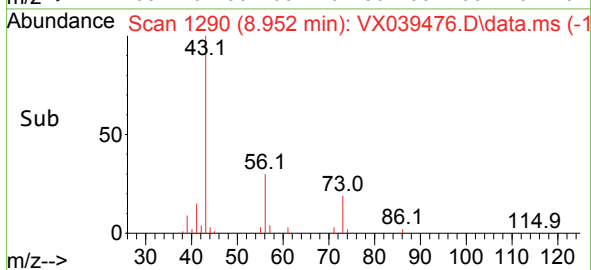
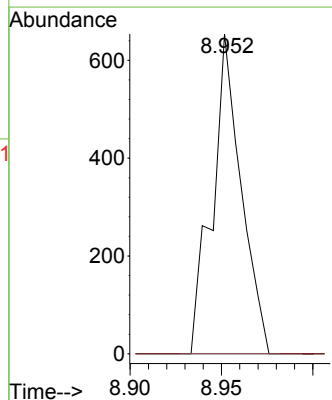
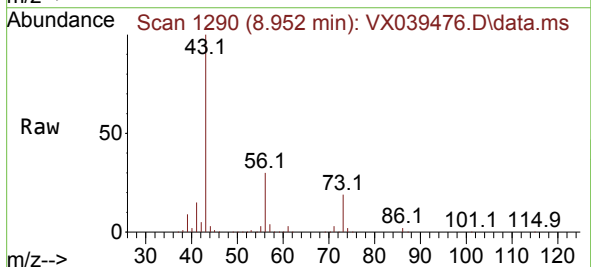
Acq: 26 Dec 2023 18:29

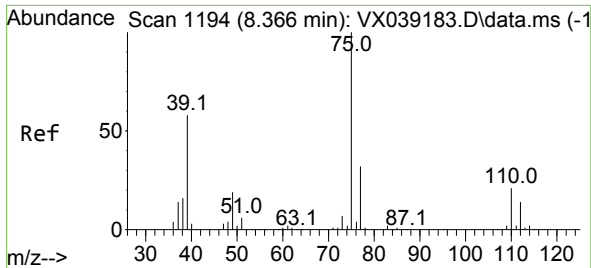
Tgt Ion: 75 Resp: 721

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

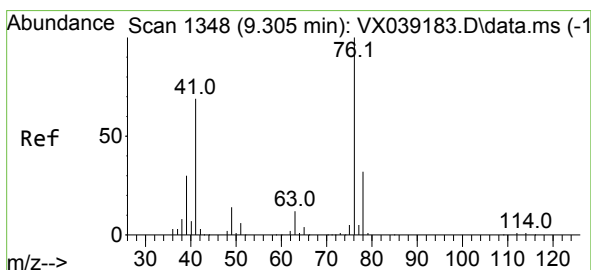
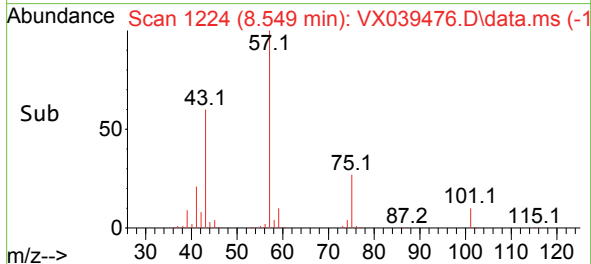
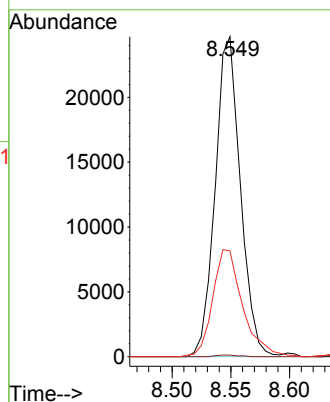
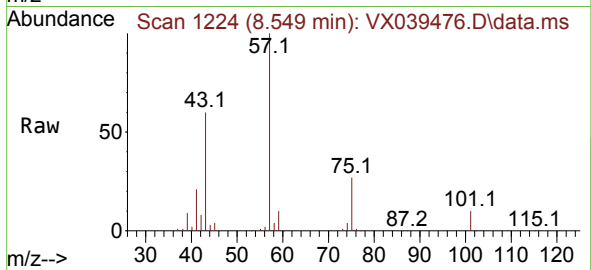




#54
 cis-1,3-Dichloropropene
 Concen: 14.647 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039476.D
 Acq: 26 Dec 2023 18:29

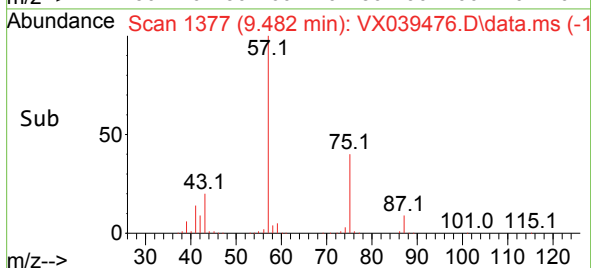
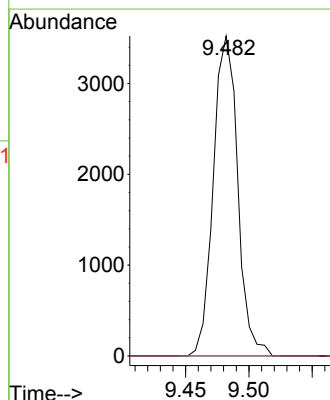
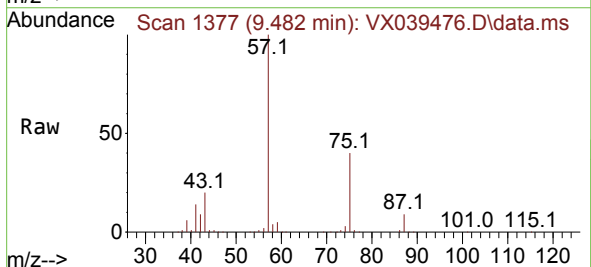
Instrument :
 MSVOA_X
 ClientSampleId :

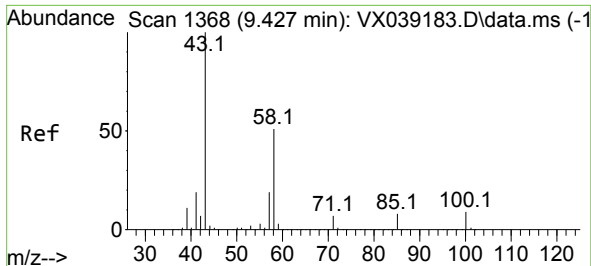
Tgt Ion: 75 Resp: 36819
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 33.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.839 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX039476.D
 Acq: 26 Dec 2023 18:29

Tgt Ion: 76 Resp: 4712
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

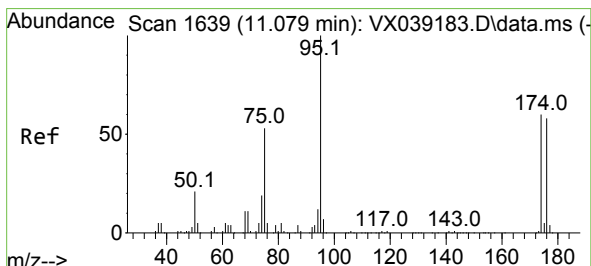
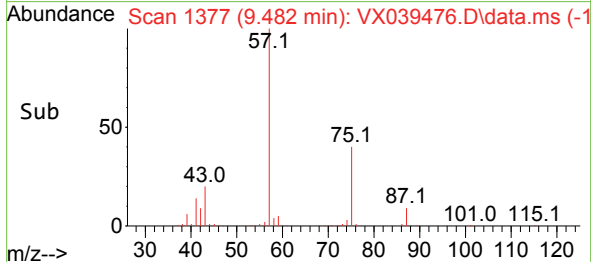
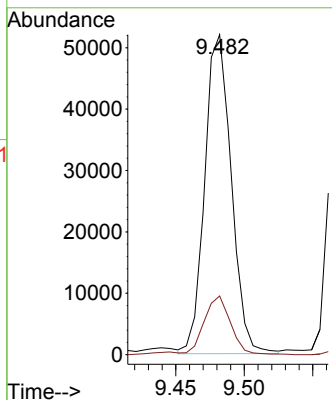
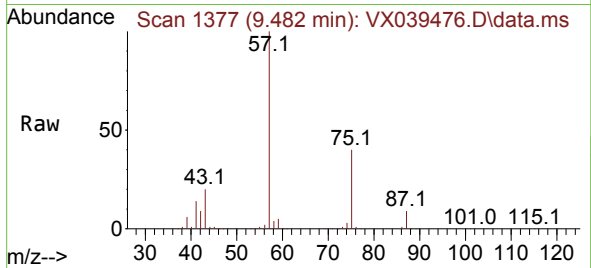




#59
2-Hexanone
Concen: 30.501 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

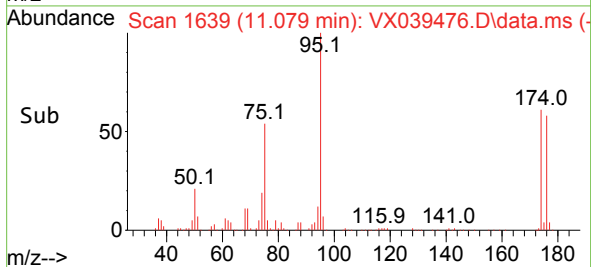
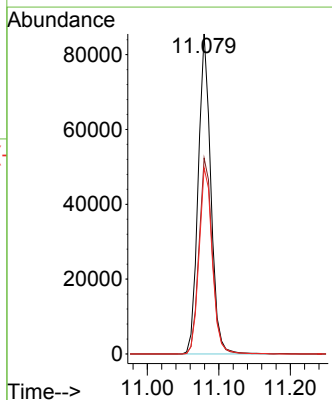
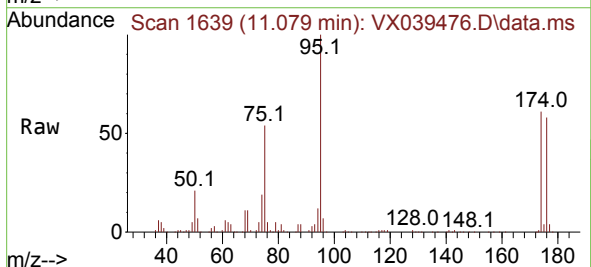
Instrument :
MSVOA_X
ClientSampleId :

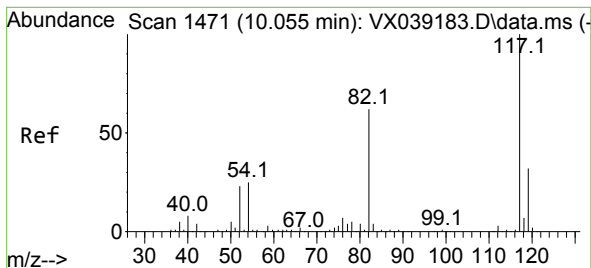
Tgt Ion: 43 Resp: 70071
Ion Ratio Lower Upper
43 100
58 19.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039476.D
Acq: 26 Dec 2023 18:29

Tgt Ion: 95 Resp: 104601
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 61.0 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: VX039476.D

Acq: 26 Dec 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

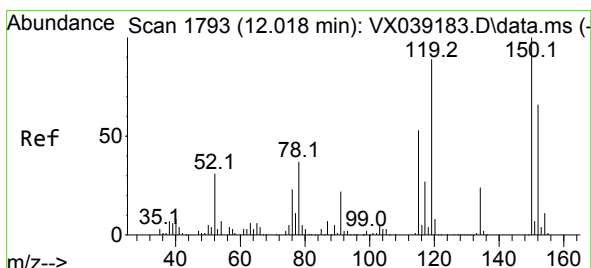
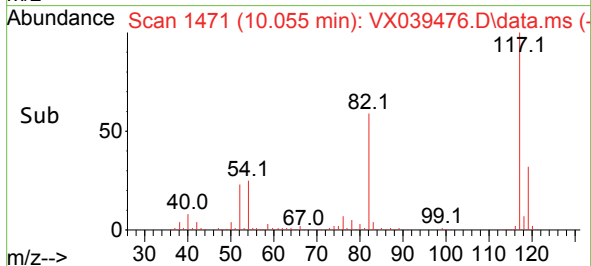
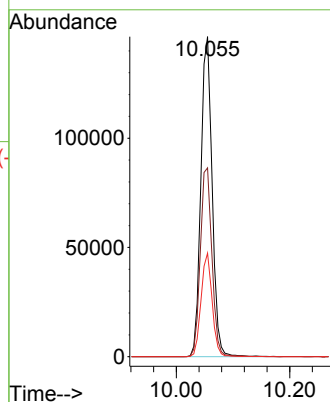
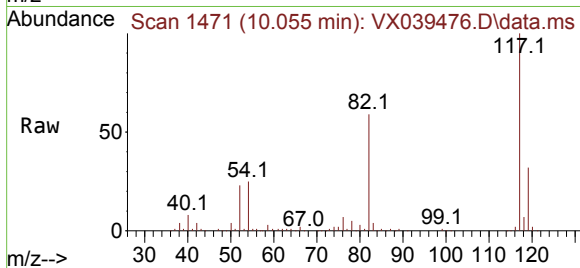
Tgt Ion:117 Resp: 201781

Ion Ratio Lower Upper

117 100

82 59.0 46.2 69.4

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039476.D

Acq: 26 Dec 2023 18:29

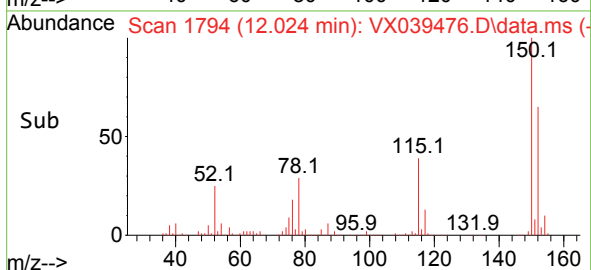
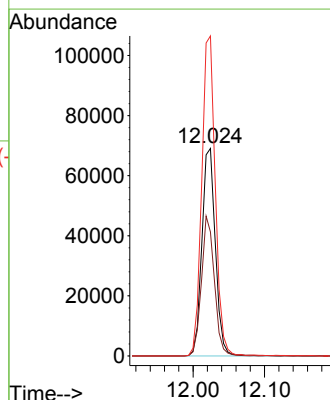
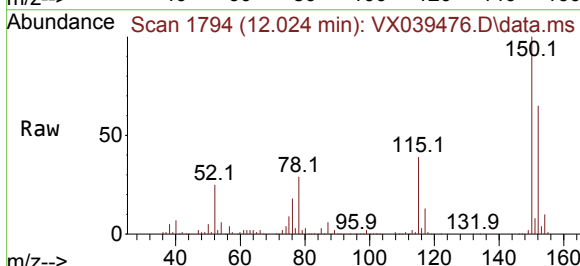
Tgt Ion:152 Resp: 90517

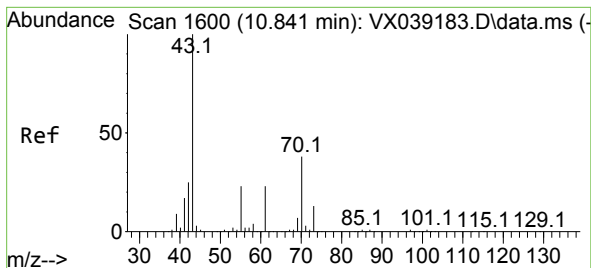
Ion Ratio Lower Upper

152 100

115 64.4 43.3 129.9

150 154.5 0.0 345.0





#74

N-amy1 acetate

Concen: 5.963 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

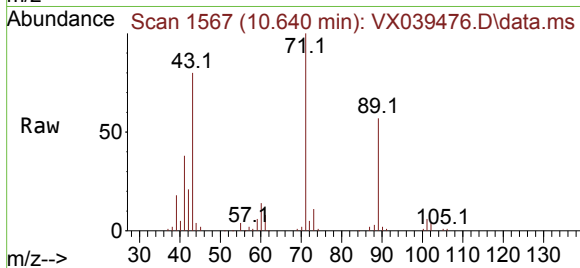
Lab File: VX039476.D

Acq: 26 Dec 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 21071

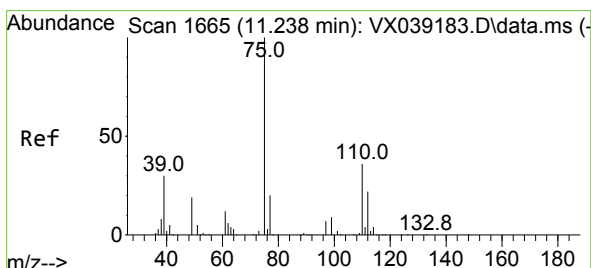
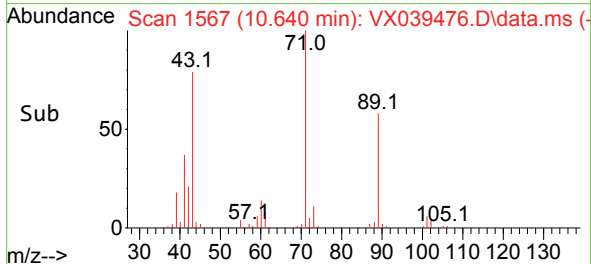
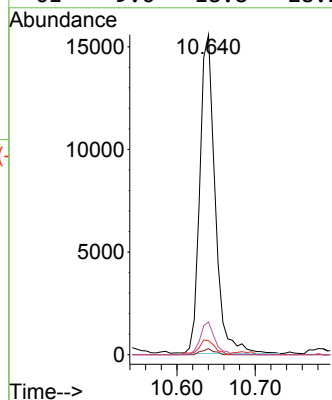
Ion Ratio Lower Upper

43 100

70 1.6 32.9 49.3#

55 4.9 19.3 28.9#

61 9.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.750 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039476.D

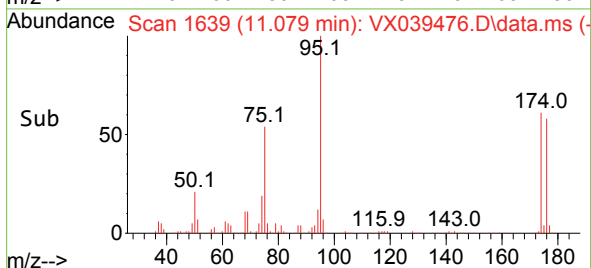
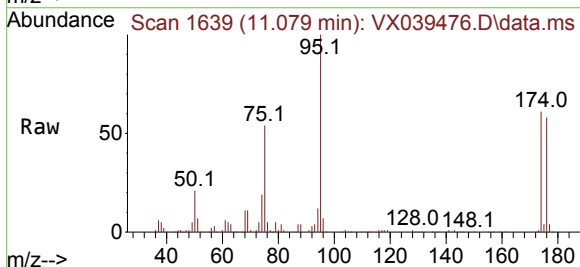
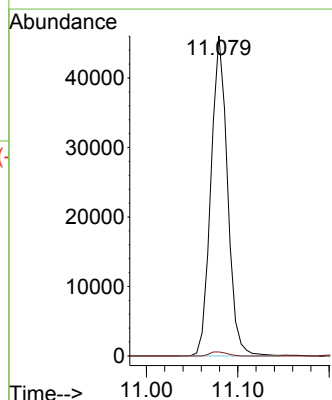
Acq: 26 Dec 2023 18:29

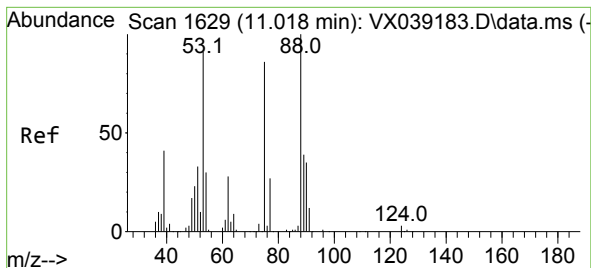
Tgt Ion: 75 Resp: 57960

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

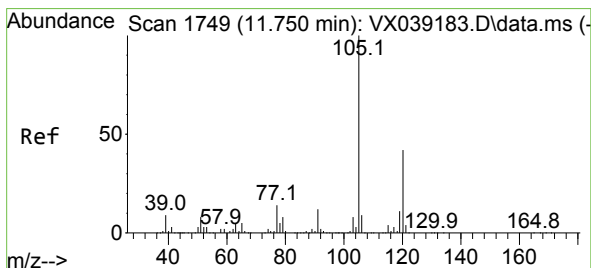
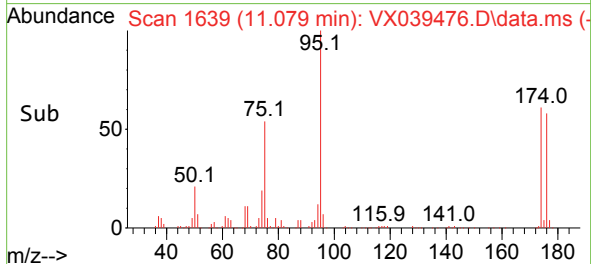
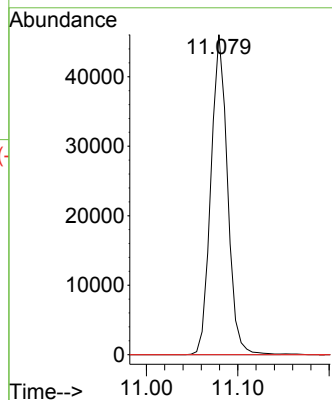
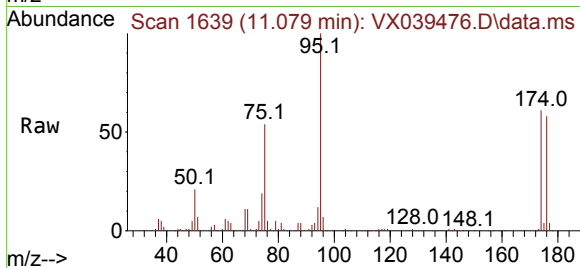




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.819 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039476.D
 Acq: 26 Dec 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 57960
 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: 0.276 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX039476.D
 Acq: 26 Dec 2023 18:29

Tgt Ion: 105 Resp: 1682
 Ion Ratio Lower Upper
 105 100
 120 36.8 21.2 63.6

