

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022475.D
 Acq On : 05 Jun 2021 16:32
 Operator : JC/MD
 Sample : M2589-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:25:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

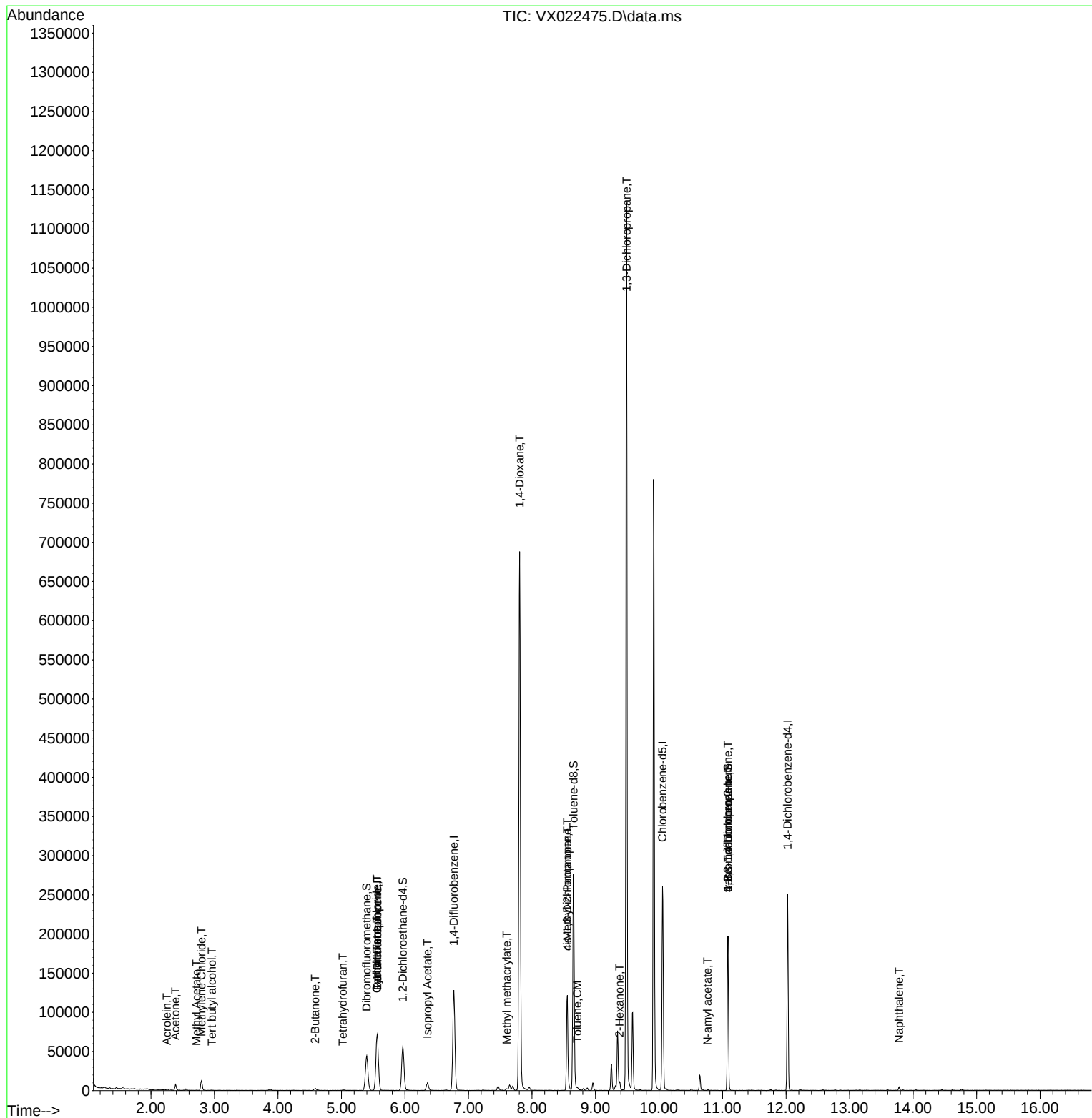
Internal Standards						
1) Pentafluorobenzene	5.562	168	60035	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	125333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52175	56.340	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.680%	
35) Dibromofluoromethane	5.397	113	36645	46.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.220%	
50) Toluene-d8	8.653	98	156934	51.258	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	11.085	95	55728	49.245	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.480%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	266	1.256	ug/l	# 73
13) Acrolein	2.252	56	98	0.698	ug/l	# 14
16) Acetone	2.386	43	7572	18.778	ug/l	99
18) Methyl Acetate	2.715	43	637	0.594	ug/l	# 70
20) Methylene Chloride	2.794	84	5159	5.762	ug/l	93
25) 2-Butanone	4.587	43	2243	3.438	ug/l	# 80
29) Tetrahydrofuran	5.019	42	218	0.561	ug/l	# 46
31) Cyclohexane	5.556	56	1911	1.642	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	5911	5.100	ug/l	# 46
38) Carbon Tetrachloride	5.556	117	7351	6.484	ug/l	# 16
43) Isopropyl Acetate	6.354	43	12812	5.513	ug/l	# 92
48) Methyl methacrylate	7.604	41	3610	3.371	ug/l	# 10
49) 1,4-Dioxane	7.805	88	87	4.172	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	42511	30.540	ug/l	# 44
52) Toluene	8.714	92	614	0.272	ug/l	80
54) cis-1,3-Dichloropropene	8.555	75	20047	13.081	ug/l	# 64
57) 1,3-Dichloropropane	9.488	76	9659	6.171	ug/l	# 42
59) 2-Hexanone	9.378	43	6109	5.835	ug/l	# 19
74) N-amyl acetate	10.762	43	610	0.349	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	29731	27.678	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	29731	65.580	ug/l	# 12
95) Naphthalene	13.780	128	2547	0.748	ug/l	96

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

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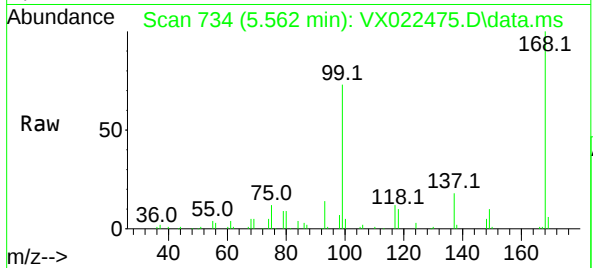
Quant Time: Jun 07 03:25:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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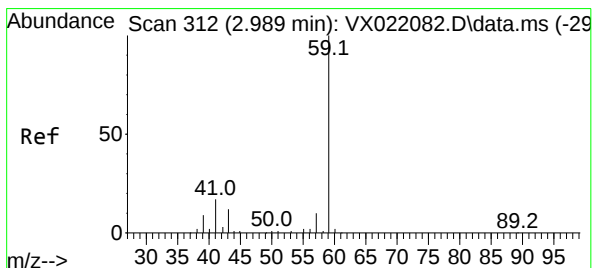
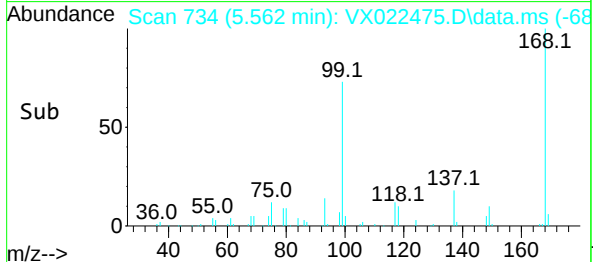
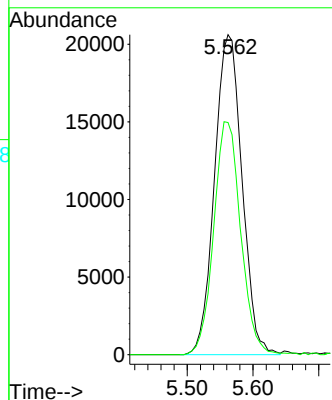


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Instrument :
MSVOA_X
ClientSampleId :

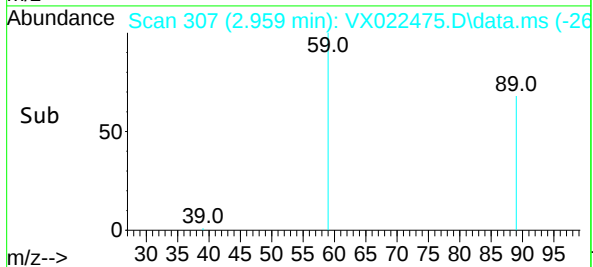
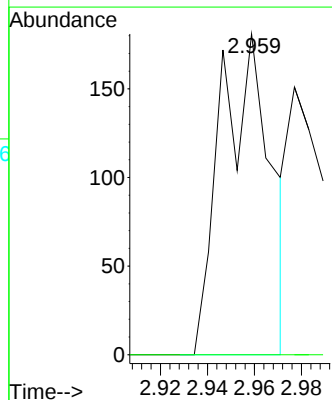
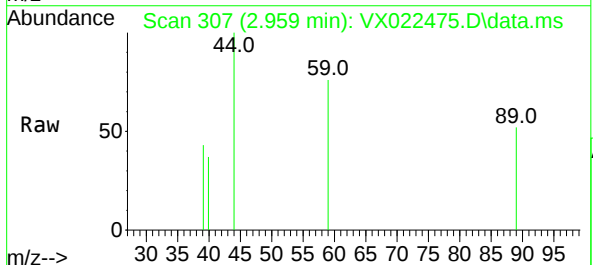


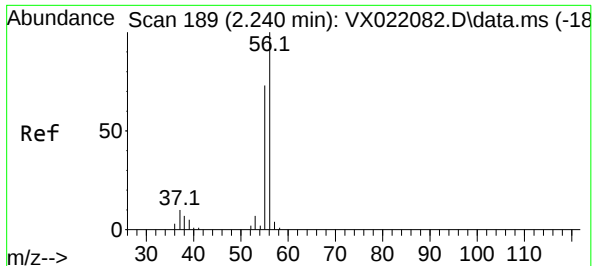
Tgt Ion:168 Resp: 60035
Ion Ratio Lower Upper
168 100
99 72.6 45.8 68.6#



#11
Tert butyl alcohol
Concen: 1.256 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

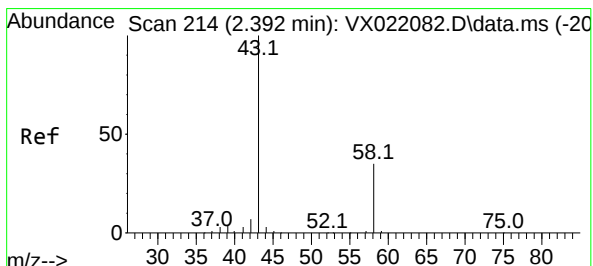
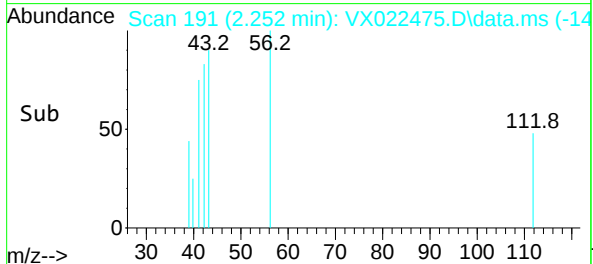
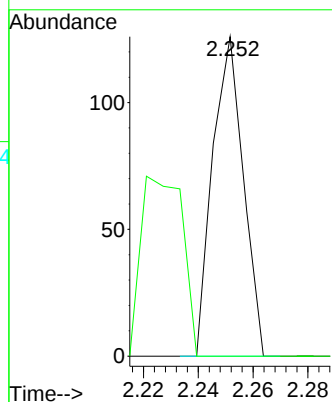
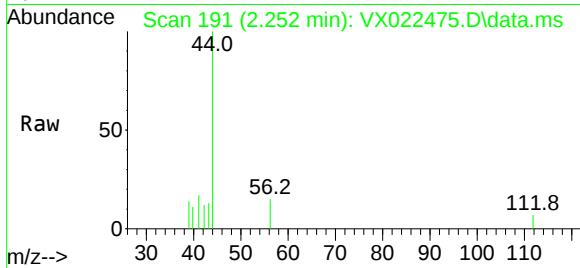




#13
Acrolein
Concen: 0.698 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

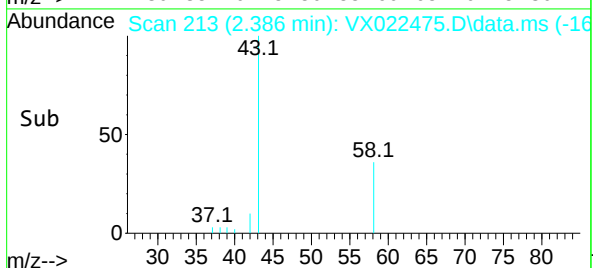
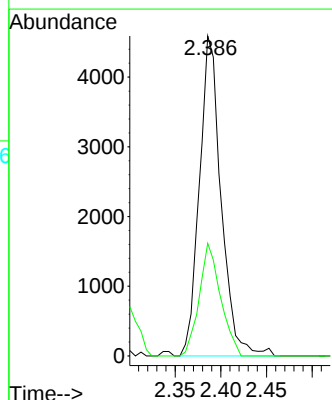
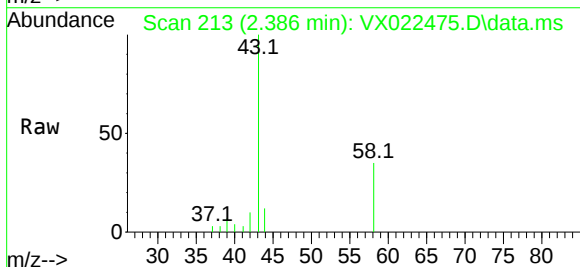
Instrument :
MSVOA_X
ClientSampled :

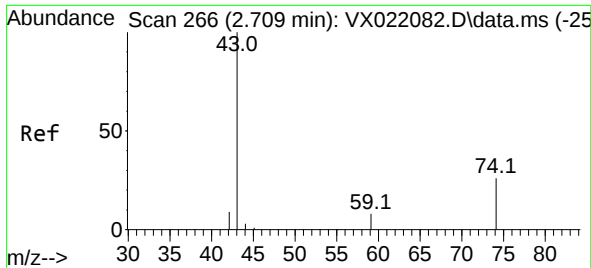
Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 18.778 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 43 Resp: 7572
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.8

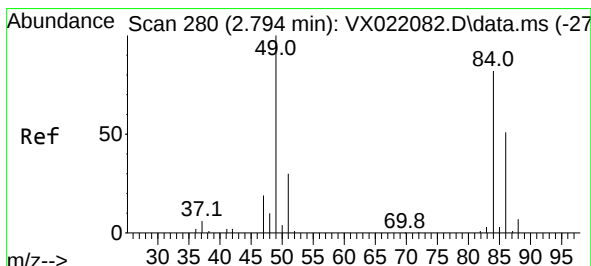
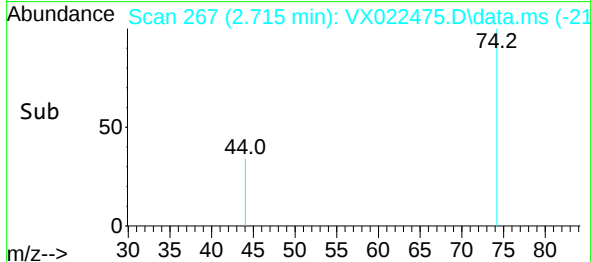
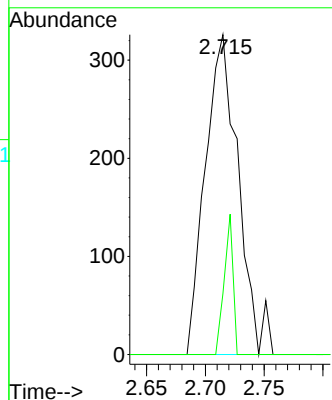
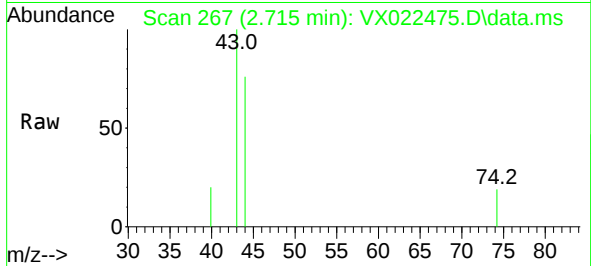




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

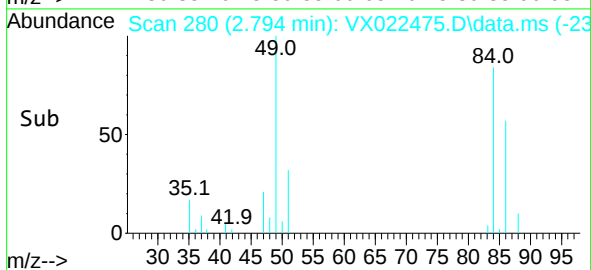
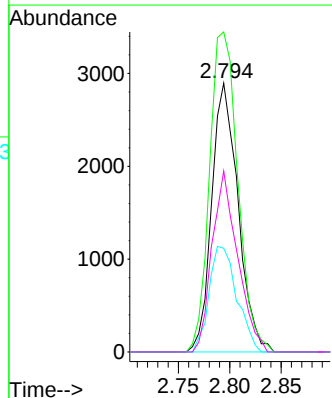
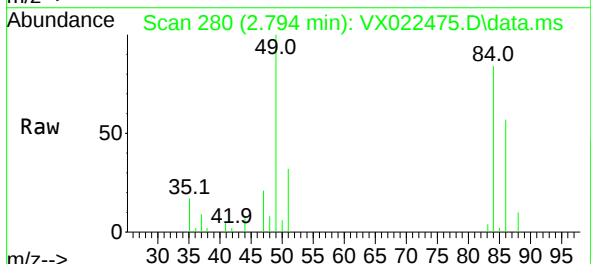
Instrument :
MSVOA_X
ClientSampled :

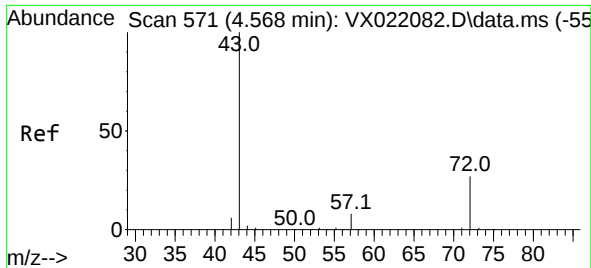
Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
74 11.8 21.9 32.9#



#20
Methylene Chloride
Concen: 5.762 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 84 Resp: 5159
Ion Ratio Lower Upper
84 100
49 119.1 88.6 132.8
51 38.6 27.0 40.6
86 67.3 50.3 75.5

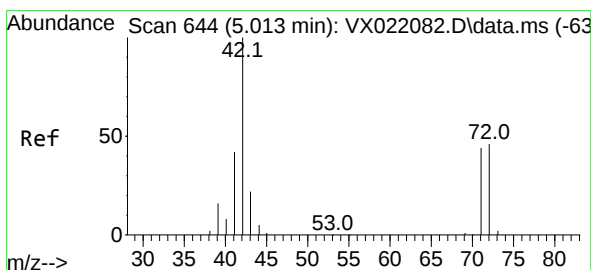
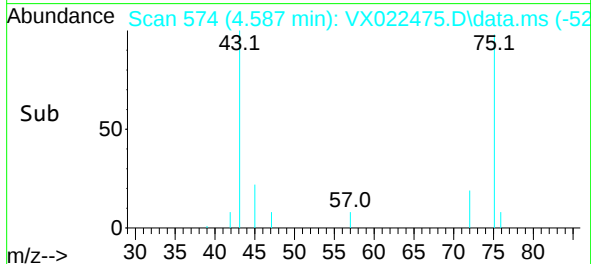
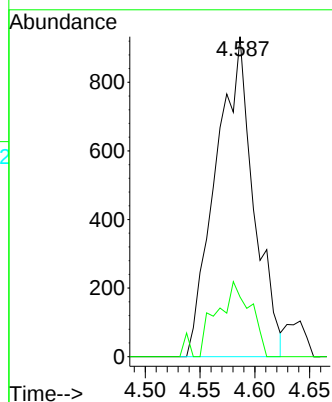
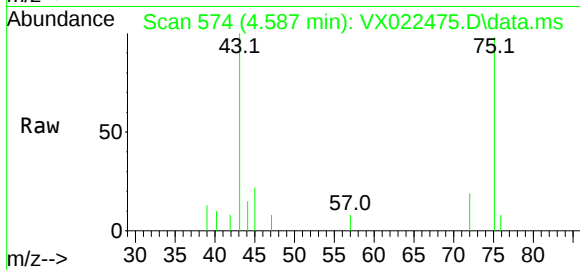




#25
2-Butanone
Concen: 3.438 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

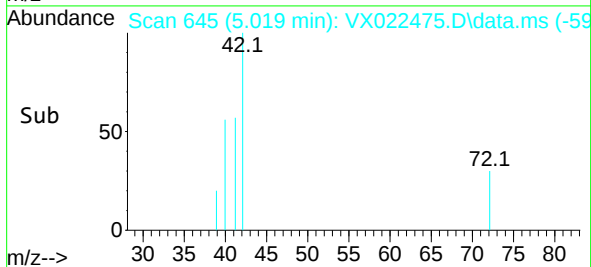
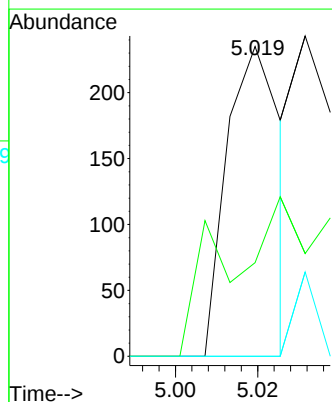
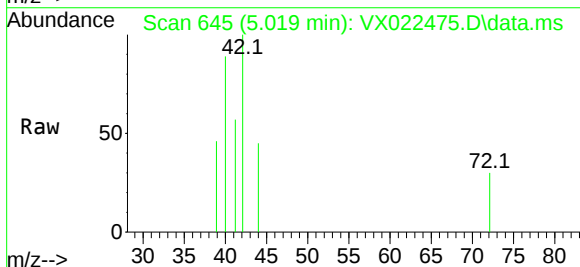
Instrument :
MSVOA_X
ClientSampled :

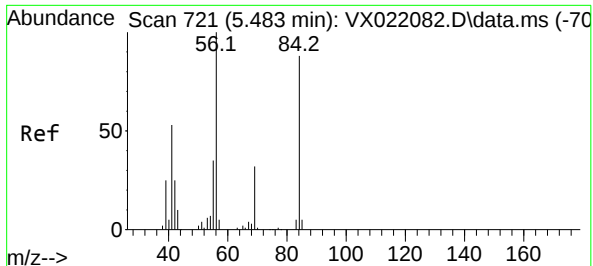
Tgt Ion: 43 Resp: 2243
Ion Ratio Lower Upper
43 100
72 18.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.561 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 42 Resp: 218
Ion Ratio Lower Upper
42 100
72 89.4 41.7 62.5#
71 10.6 38.4 57.6#

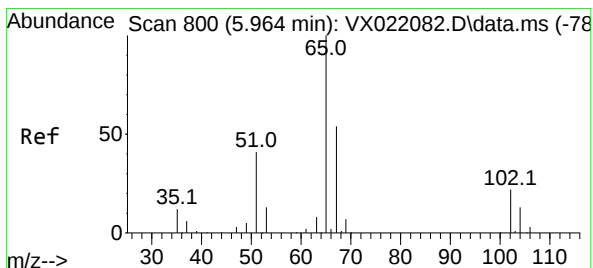
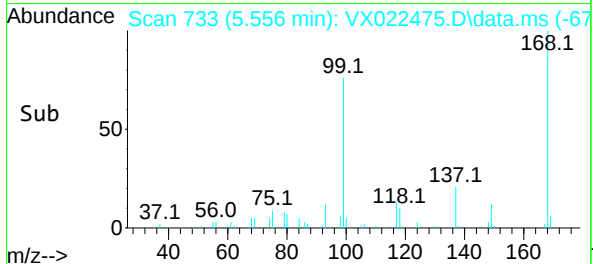
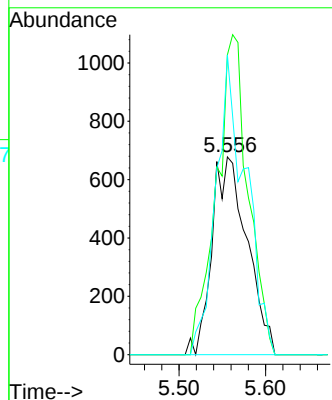
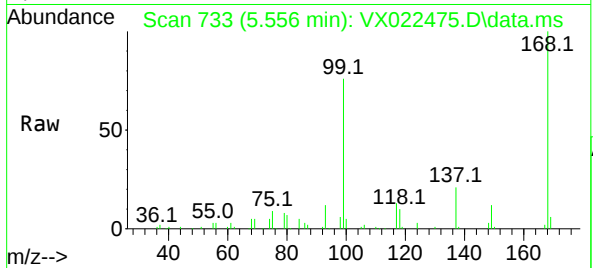




#31
Cyclohexane
Concen: 1.642 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

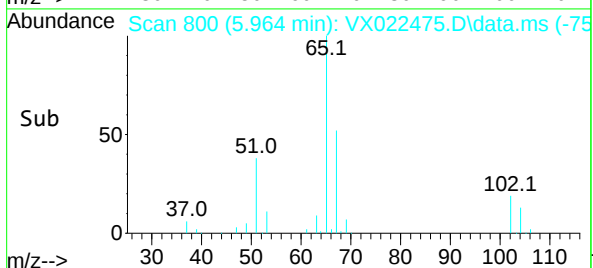
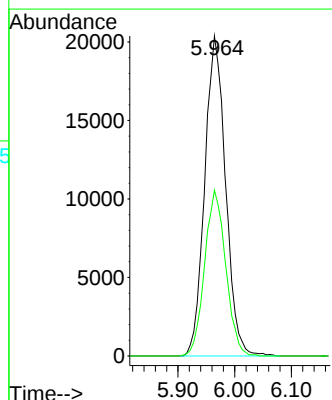
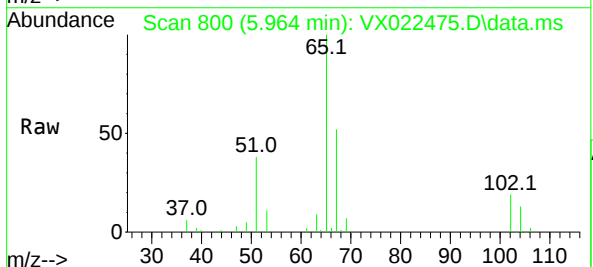
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MSVOA_X
ClientSampled :

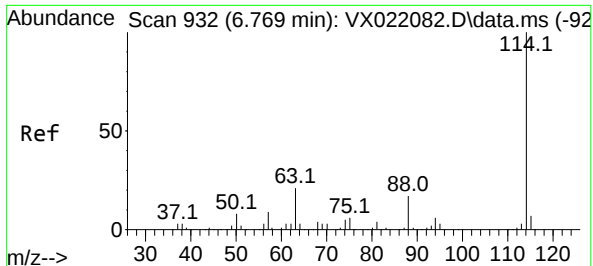
Tgt Ion: 56 Resp: 1911
Ion Ratio Lower Upper
56 100
69 151.6 25.3 37.9#
84 151.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.340 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 65 Resp: 52175
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4

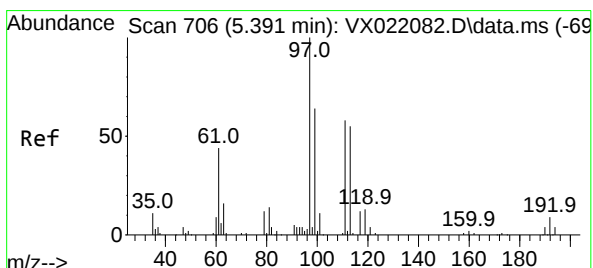
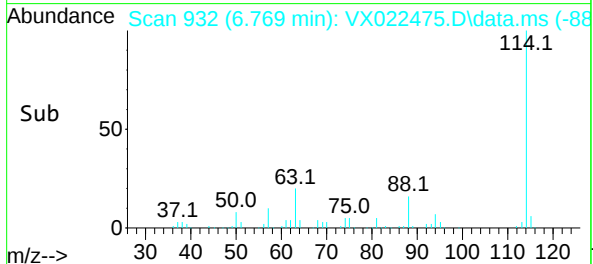
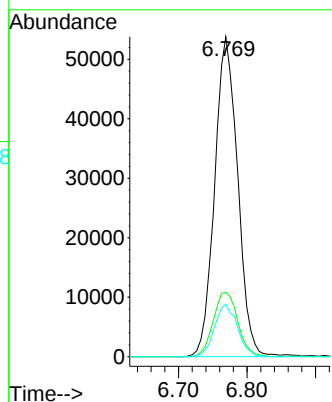
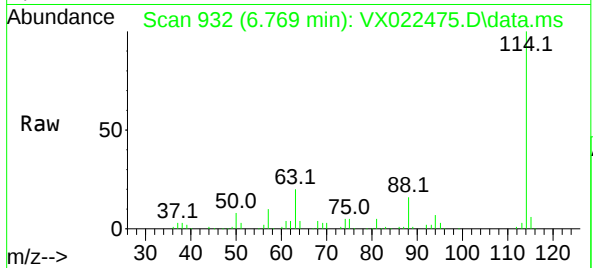




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

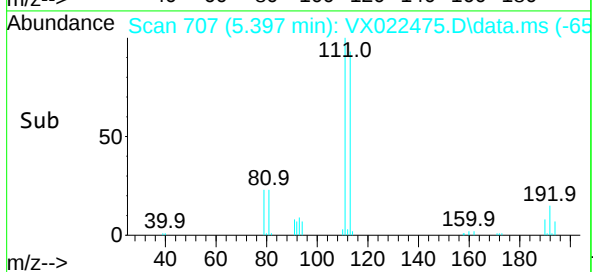
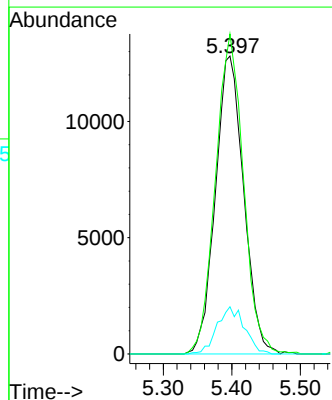
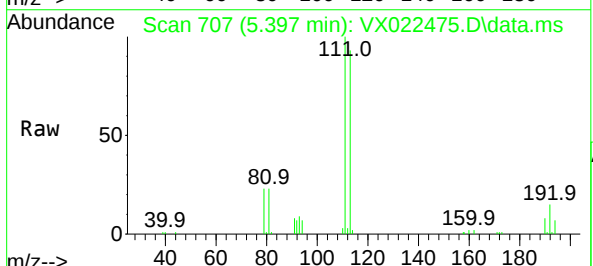
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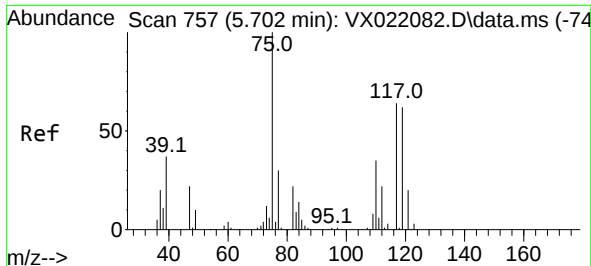
Tgt Ion:114 Resp: 125333
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.106 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion:113 Resp: 36645
Ion Ratio Lower Upper
113 100
111 106.1 81.9 122.9
192 15.4 16.7 25.1#

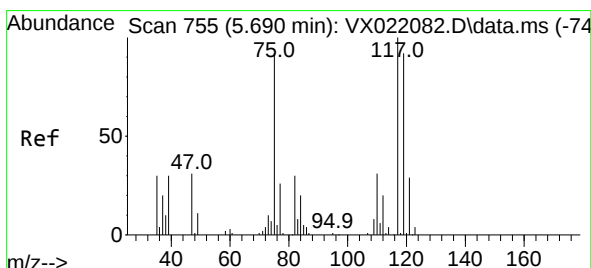
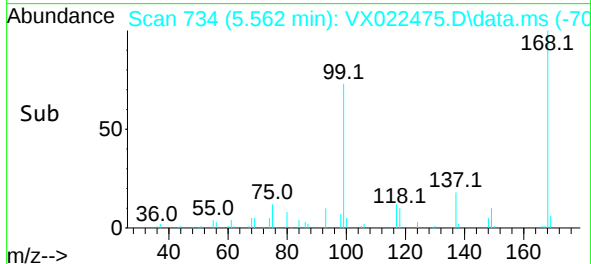
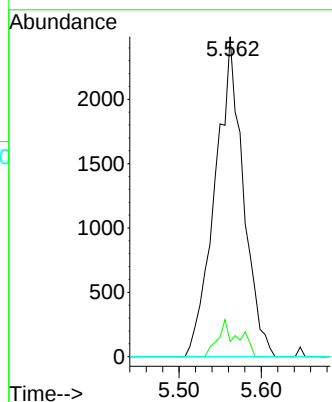
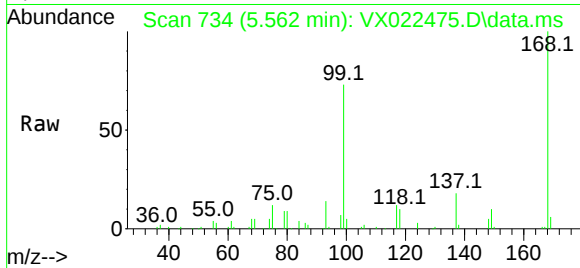




#36
1,1-Dichloropropene
Concen: 5.100 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

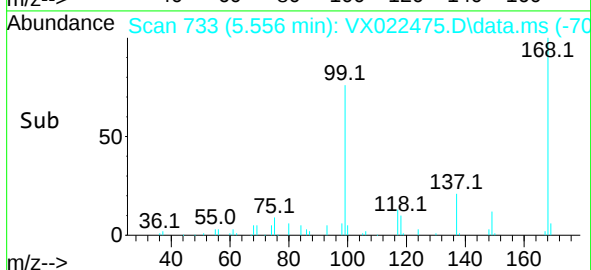
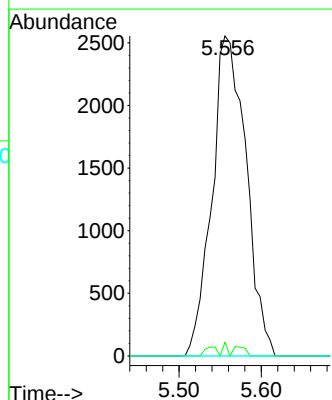
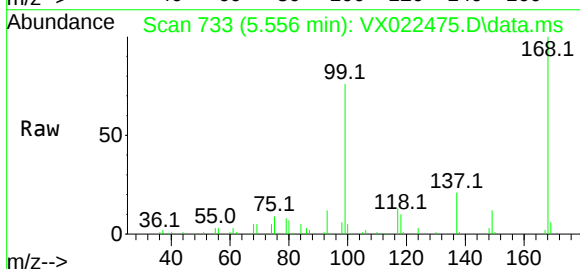
Instrument :
MSVOA_X
ClientSampleId :

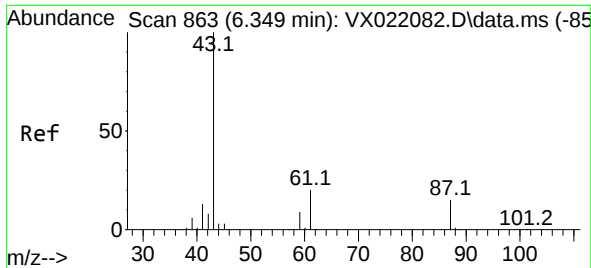
Tgt Ion: 75 Resp: 5911
Ion Ratio Lower Upper
75 100
110 6.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.484 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 117 Resp: 7351
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#

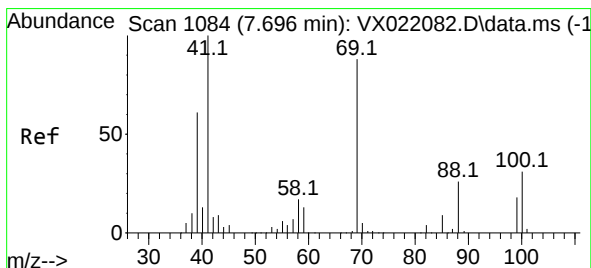
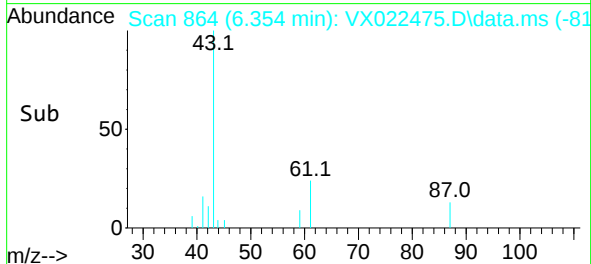
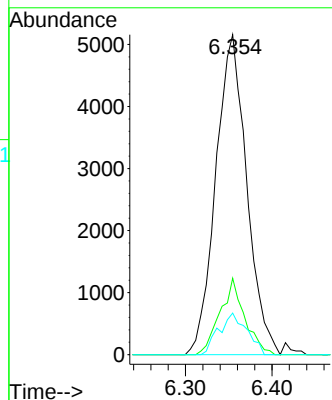
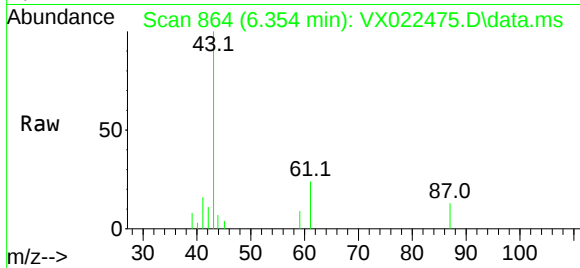




#43
Isopropyl Acetate
Concen: 5.513 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

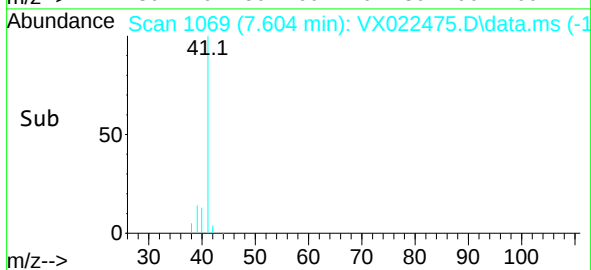
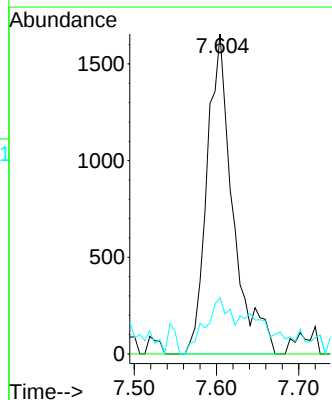
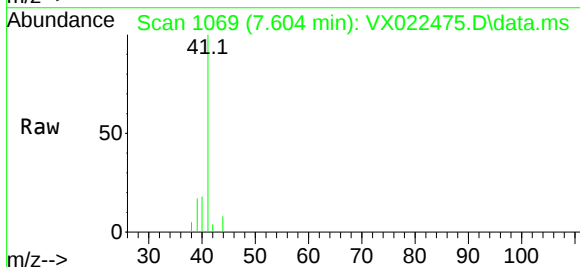
Instrument :
MSVOA_X
ClientSampleId :

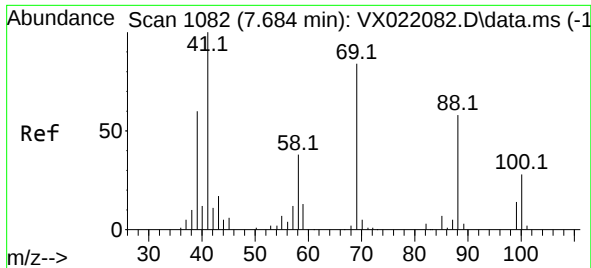
Tgt Ion: 43 Resp: 12812
Ion Ratio Lower Upper
43 100
61 19.0 18.2 27.4
87 11.8 12.5 18.7#



#48
Methyl methacrylate
Concen: 3.371 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 41 Resp: 3610
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 4.172 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

Lab File: VX022475.D

Acq: 05 Jun 2021 16:32

Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

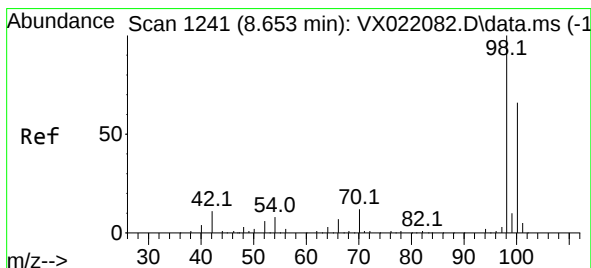
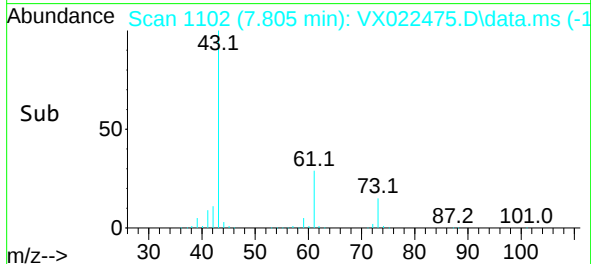
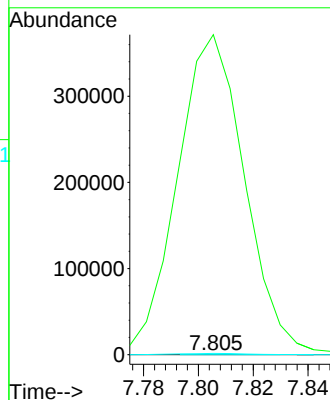
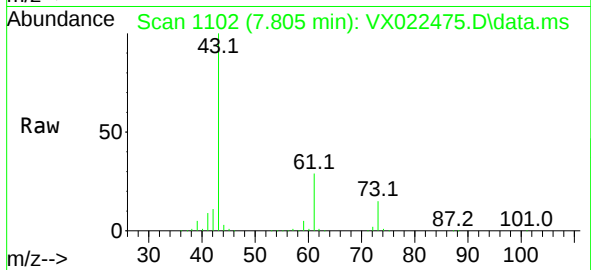
43 738760.9 23.2 34.8#

58 3098.9 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :



#50

Toluene-d8

Concen: 51.258 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022475.D

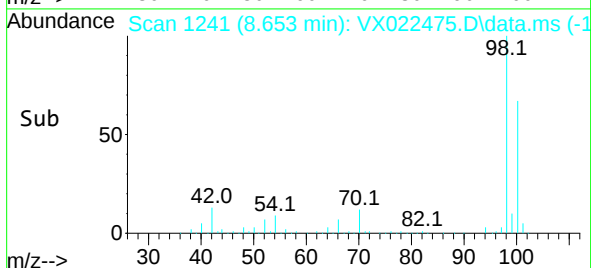
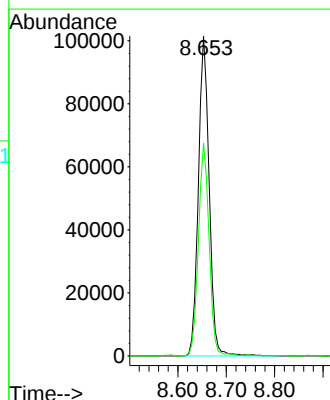
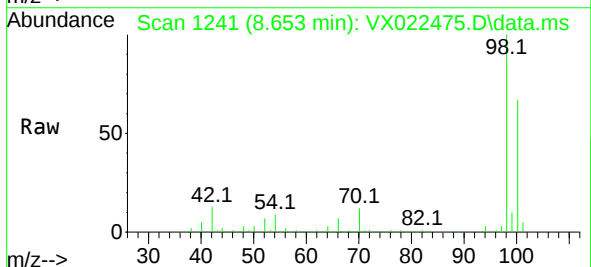
Acq: 05 Jun 2021 16:32

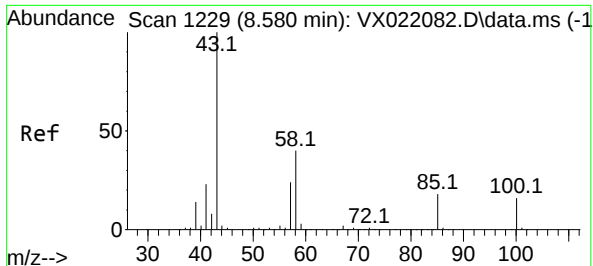
Tgt Ion: 98 Resp: 156934

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9

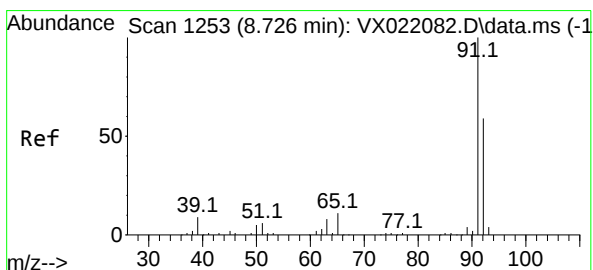
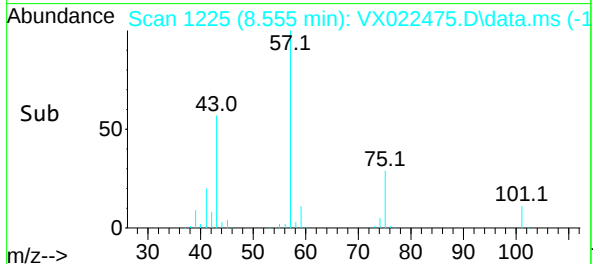
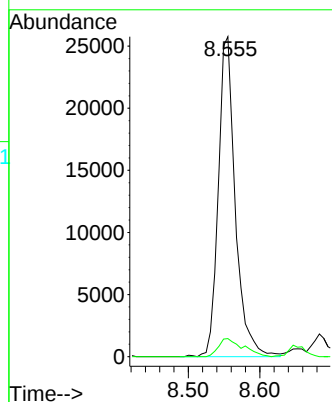
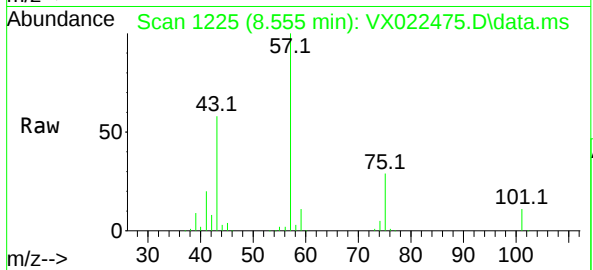




#51
4-Methyl-2-Pentanone
Concen: 30.540 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

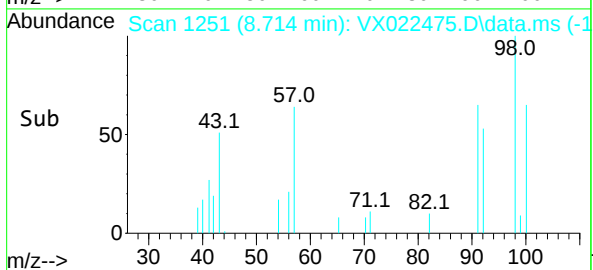
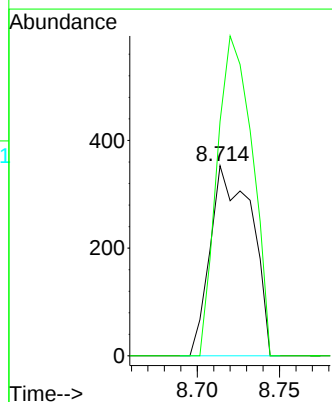
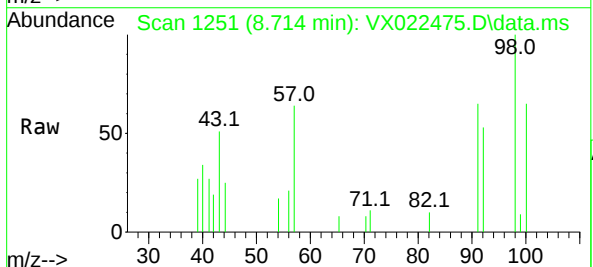
Instrument :
MSVOA_X
ClientSampled :

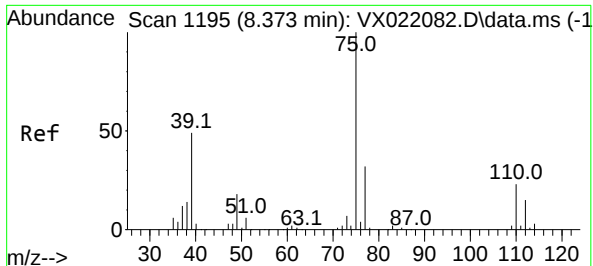
Tgt Ion: 43 Resp: 42511
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#52
Toluene
Concen: 0.272 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.012 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 92 Resp: 614
Ion Ratio Lower Upper
92 100
91 144.0 137.1 205.7

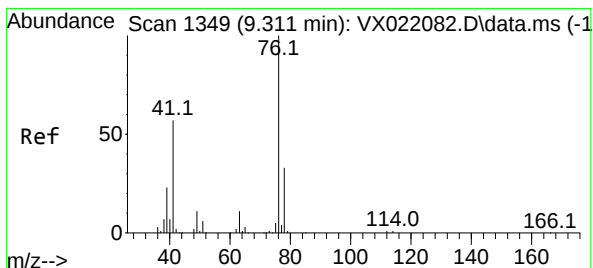
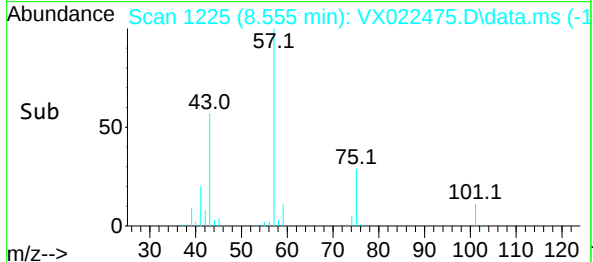
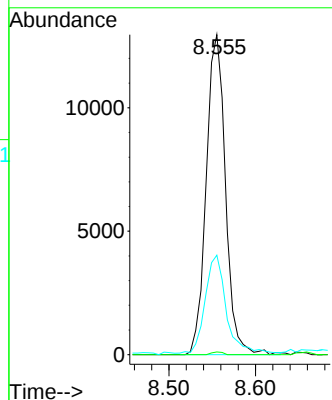
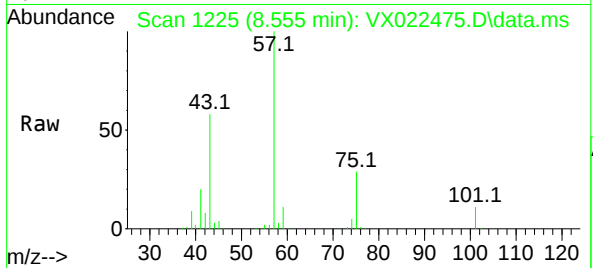




#54
 cis-1,3-Dichloropropene
 Concen: 13.081 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX022475.D
 Acq: 05 Jun 2021 16:32

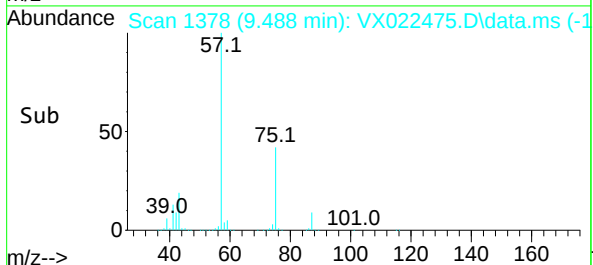
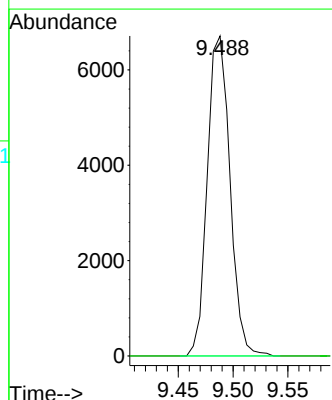
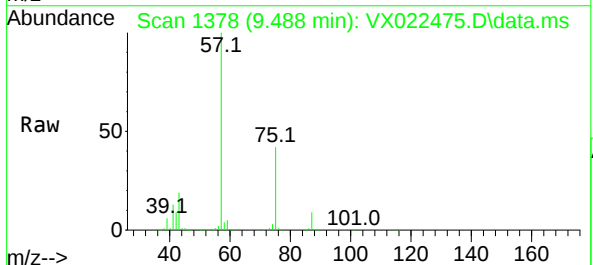
Instrument :
 MSVOA_X
 ClientSampleId :

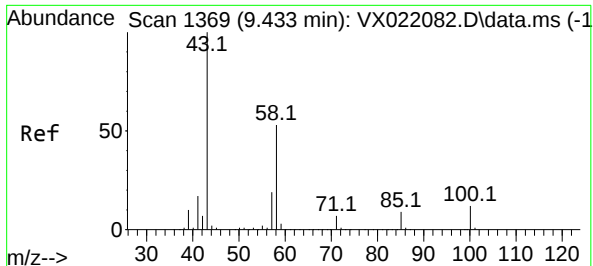
Tgt Ion: 75 Resp: 20047
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.7 38.5#
 39 30.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 6.171 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX022475.D
 Acq: 05 Jun 2021 16:32

Tgt Ion: 76 Resp: 9659
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

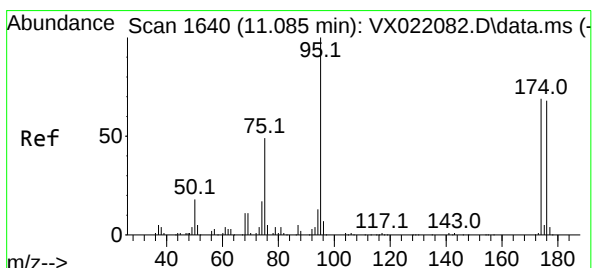
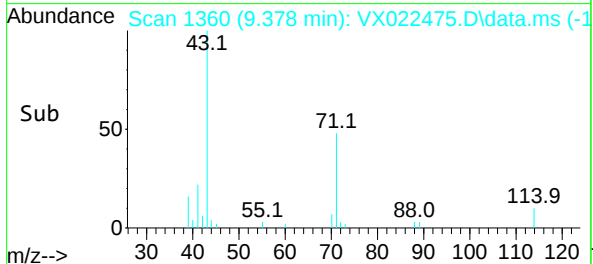
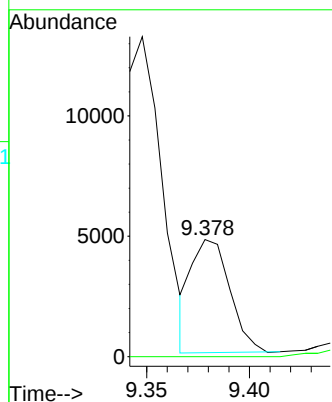
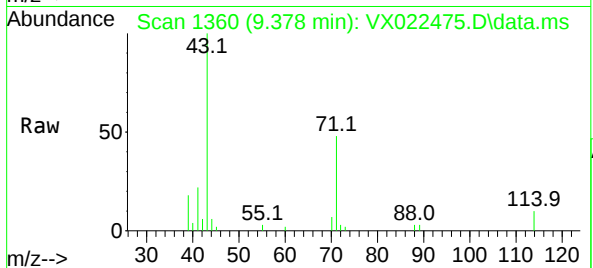




#59
2-Hexanone
Concen: 5.835 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

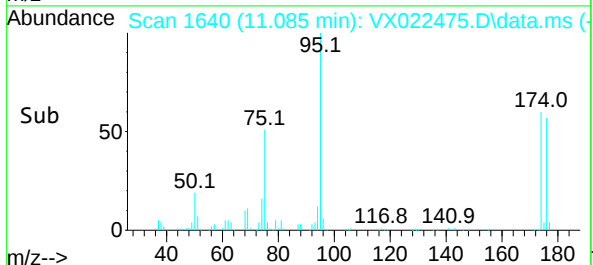
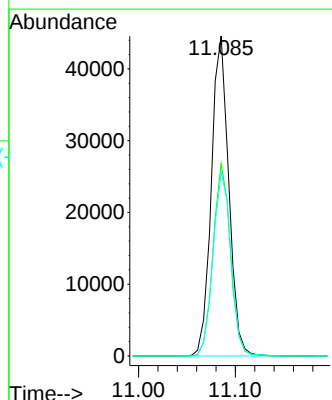
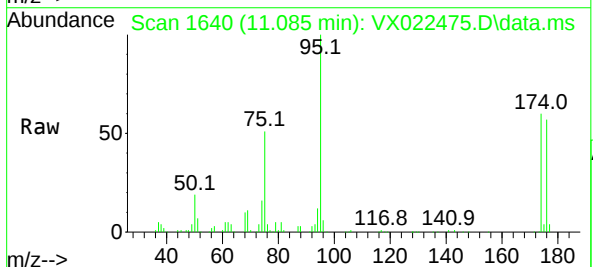
Instrument :
MSVOA_X
ClientSampleId :

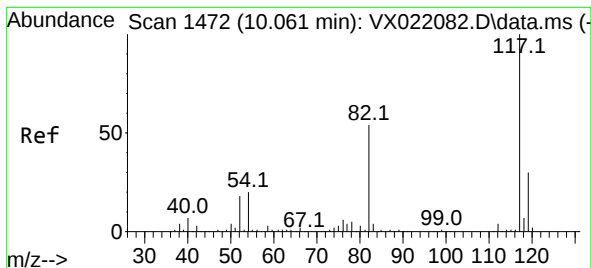
Tgt Ion: 43 Resp: 6109
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.245 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 95 Resp: 55728
Ion Ratio Lower Upper
95 100
174 59.6 0.0 154.6
176 59.2 0.0 155.8

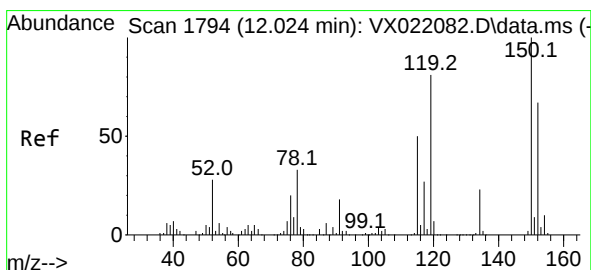
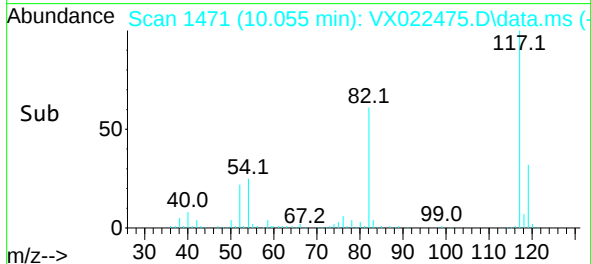
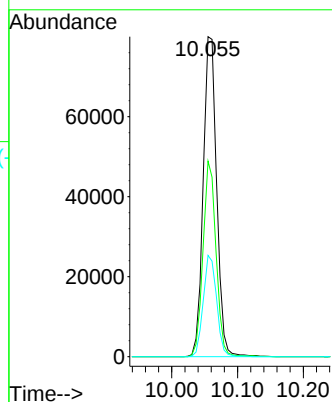
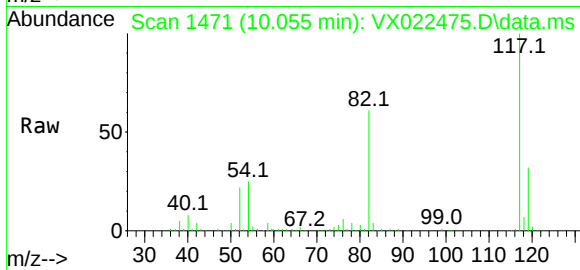




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

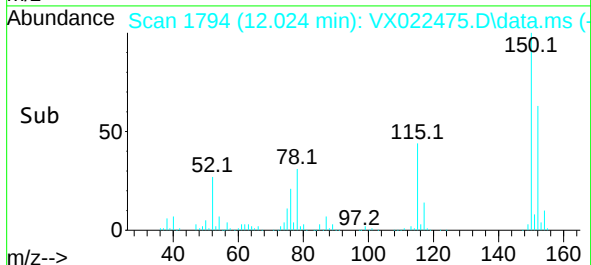
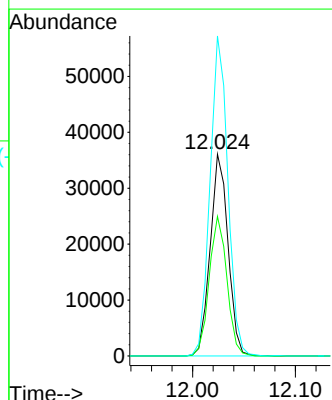
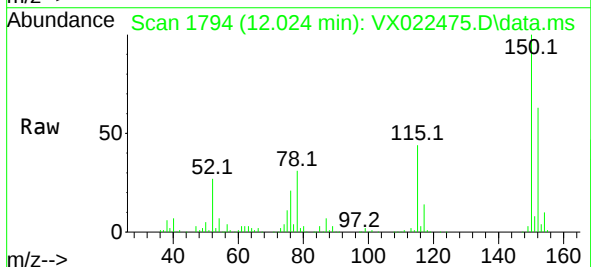
Instrument :
MSVOA_X
ClientSampleId :

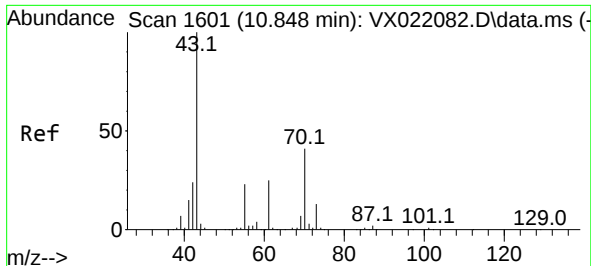
Tgt Ion:117 Resp: 114028
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

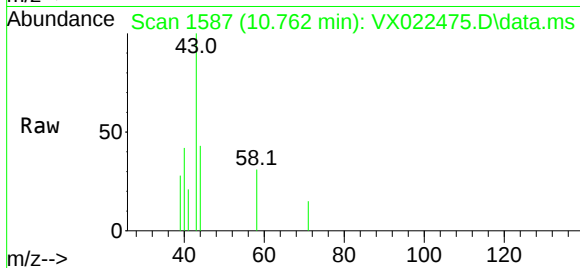
Tgt Ion:152 Resp: 43541
Ion Ratio Lower Upper
152 100
115 68.5 41.1 123.3
150 158.0 0.0 349.0



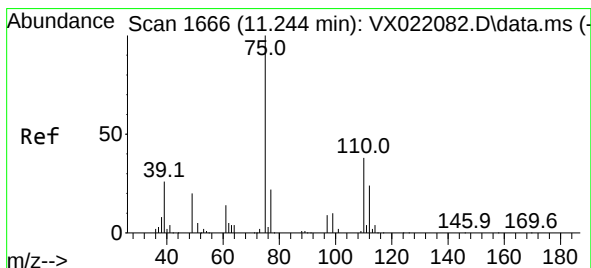
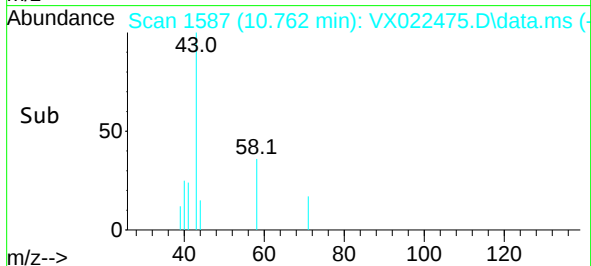
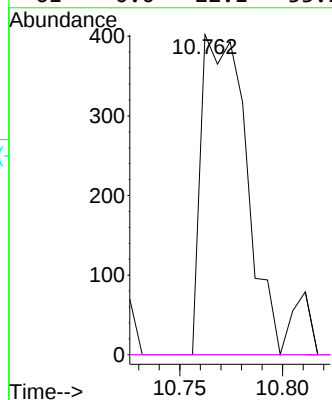


#74
N-amy1 acetate
Concen: 0.349 ug/l
RT: 10.762 min Scan# 1587
Delta R.T. -0.086 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Instrument :
MSVOA_X
ClientSampleId :

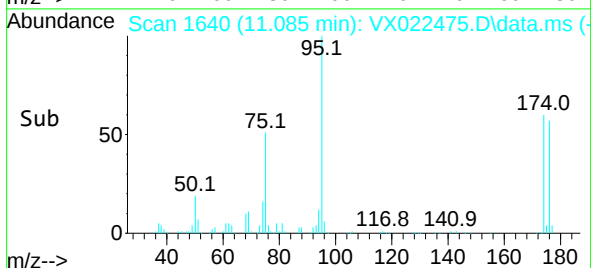
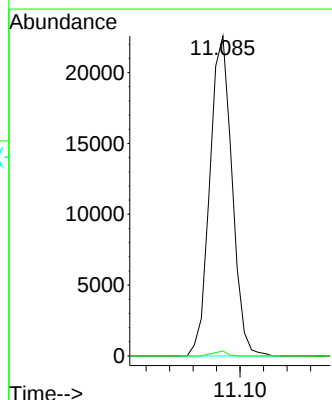
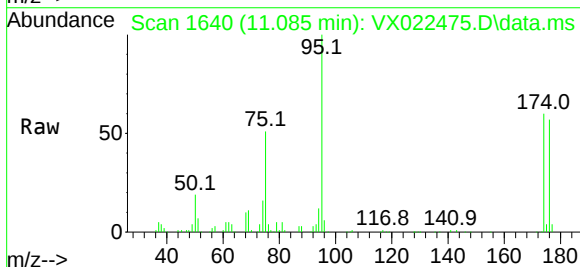


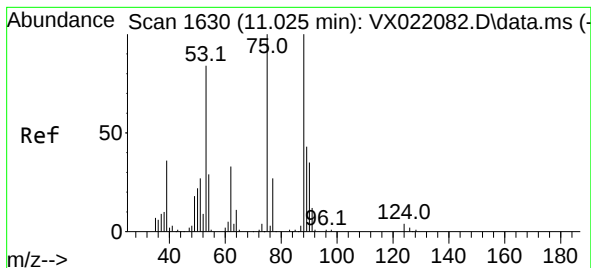
Tgt Ion: 43	Resp: 610
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	0.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.678 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 75	Resp: 29731
Ion Ratio	Lower Upper
75	100
77	1.0 19.1 57.5#

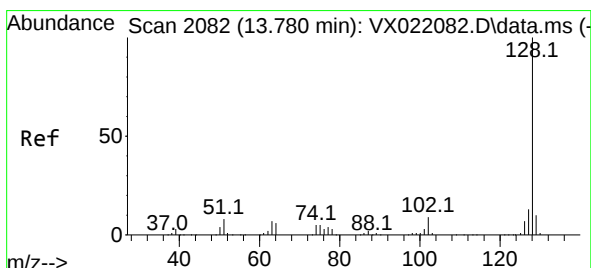
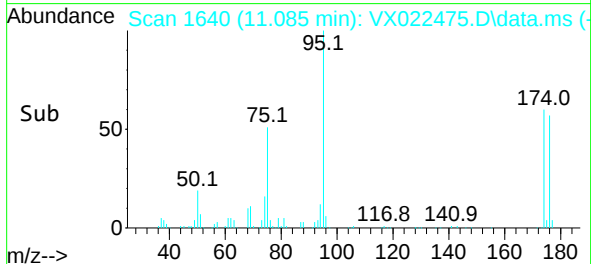
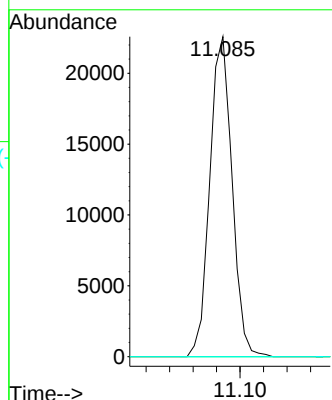
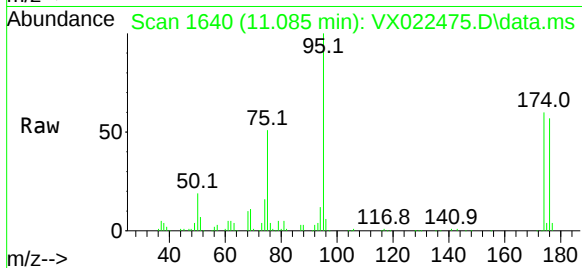




#81
trans-1,4-Dichloro-2-butene
Concen: 65.580 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 29731
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.748 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022475.D
Acq: 05 Jun 2021 16:32

Tgt Ion: 128 Resp: 2547
Ion Ratio Lower Upper
128 100
127 15.1 10.3 15.5
129 11.6 8.8 13.2

