

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022476.D
 Acq On : 05 Jun 2021 16:55
 Operator : JC/MD
 Sample : M2589-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:26:05 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)

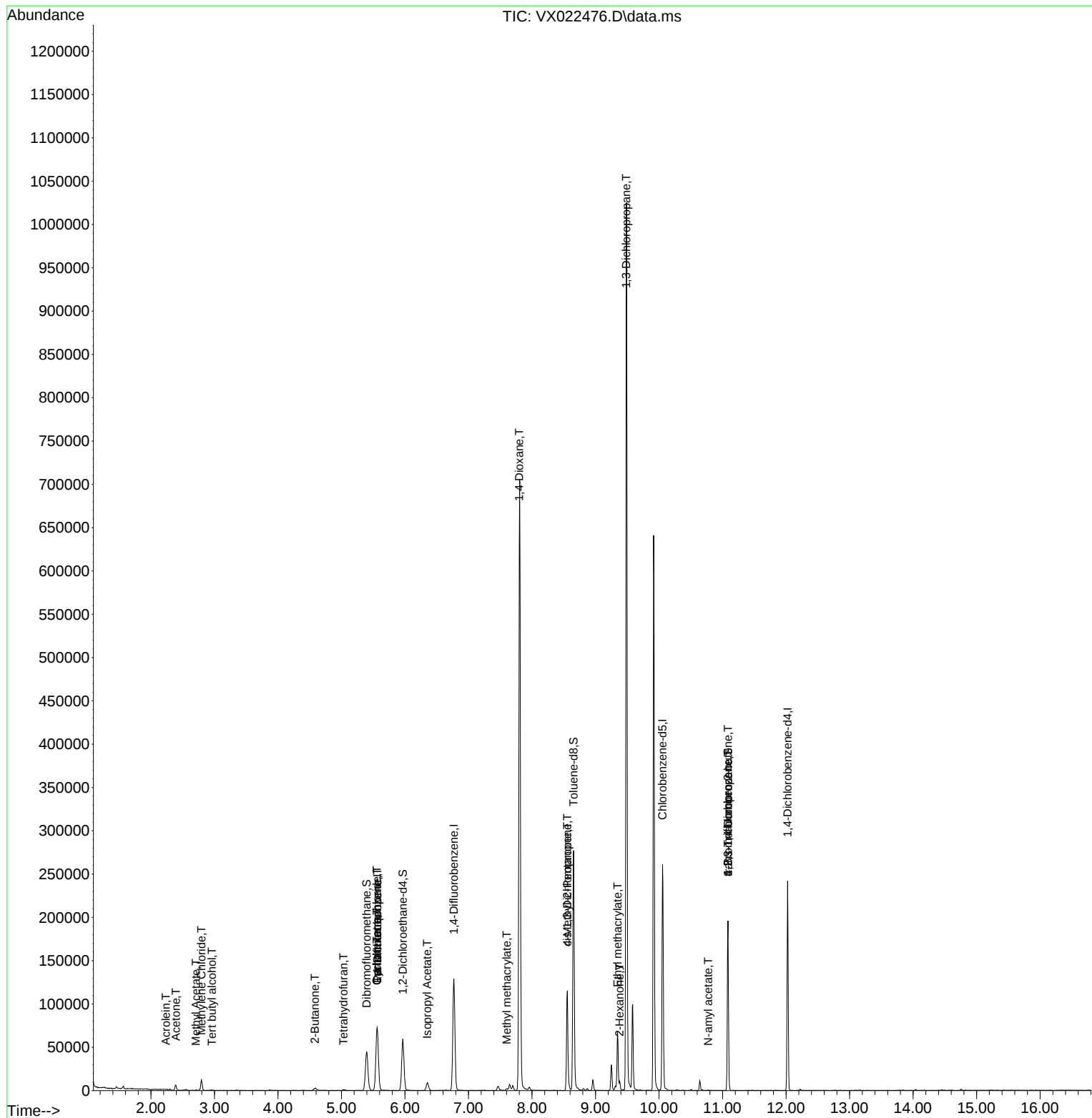
Internal Standards						
1) Pentafluorobenzene	5.562	168	61479	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	125986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52285	55.132	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.260%	
35) Dibromofluoromethane	5.397	113	38281	47.915	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.820%	
50) Toluene-d8	8.653	98	155964	50.677	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	11.085	95	53658	47.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.340%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	434	2.001	ug/l	# 73
13) Acrolein	2.233	56	45	0.313	ug/l	# 14
16) Acetone	2.392	43	6742	16.327	ug/l	94
18) Methyl Acetate	2.709	43	606	0.552	ug/l	# 77
20) Methylene Chloride	2.794	84	4811	5.247	ug/l	88
25) 2-Butanone	4.580	43	2050	3.069	ug/l	# 88
29) Tetrahydrofuran	5.032	42	760	1.911	ug/l	# 44
31) Cyclohexane	5.556	56	1809	1.518	ug/l	# 23
36) 1,1-Dichloropropene	5.562	75	5827	5.002	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	7141	6.266	ug/l	# 17
43) Isopropyl Acetate	6.348	43	12356	5.290	ug/l	93
48) Methyl methacrylate	7.604	41	3243	3.013	ug/l	# 10
49) 1,4-Dioxane	7.799	88	26	1.240	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	41058	29.343	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	18785	12.194	ug/l	# 64
56) Ethyl methacrylate	9.348	69	301	0.202	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	8576	5.451	ug/l	# 42
59) 2-Hexanone	9.378	43	4673	4.440	ug/l	# 19
74) N-amyl acetate	10.775	43	346	0.210	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	29469	29.062	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	29469	68.857	ug/l	# 12

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

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MSVOA_X
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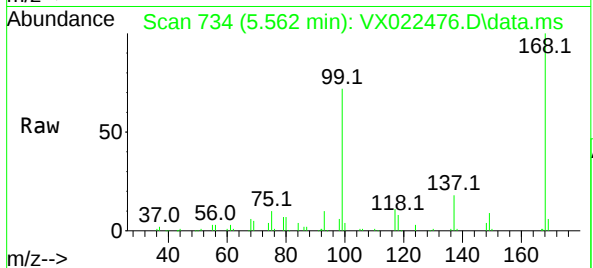
Quant Time: Jun 07 03:26:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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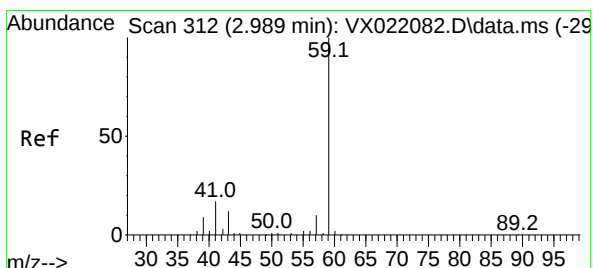
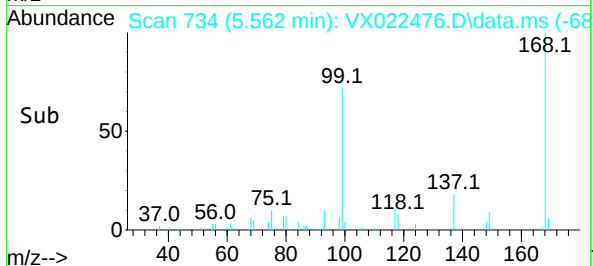
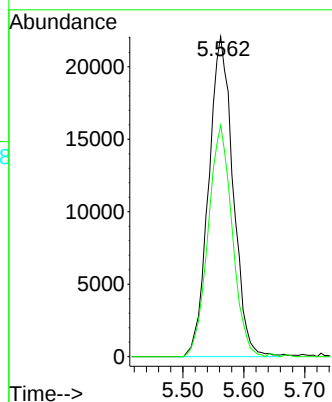


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Instrument :
MSVOA_X
ClientSampled :

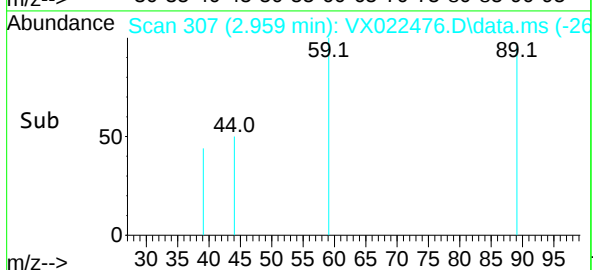
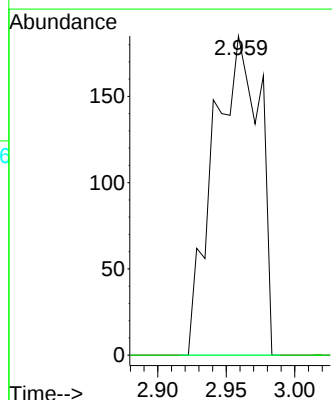
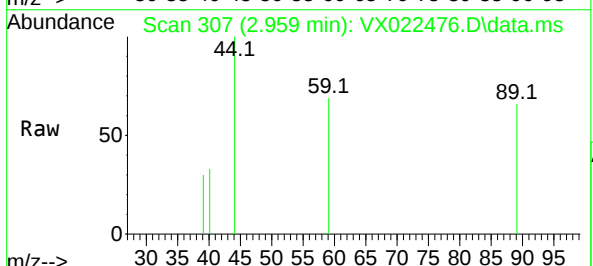


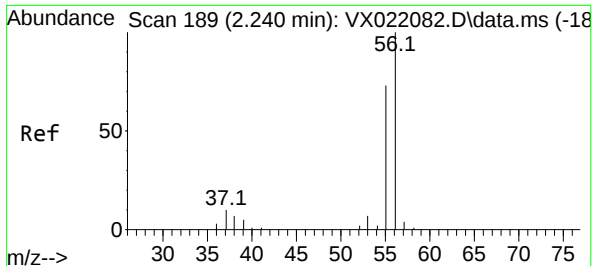
Tgt Ion:168 Resp: 61479
Ion Ratio Lower Upper
168 100
99 72.3 45.8 68.6#



#11
Tert butyl alcohol
Concen: 2.001 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 59 Resp: 434
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

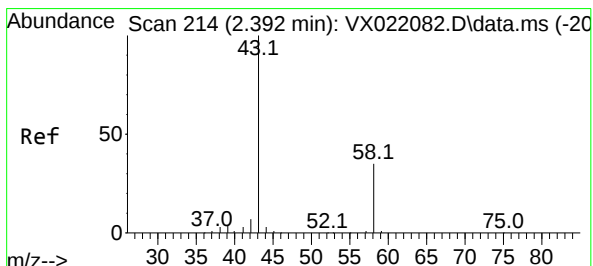
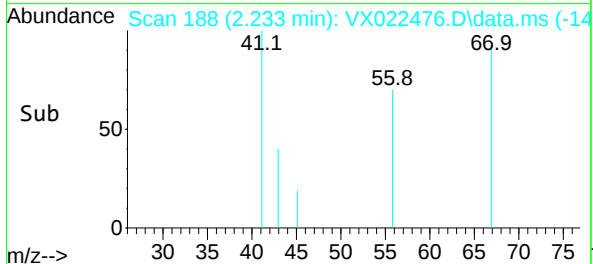
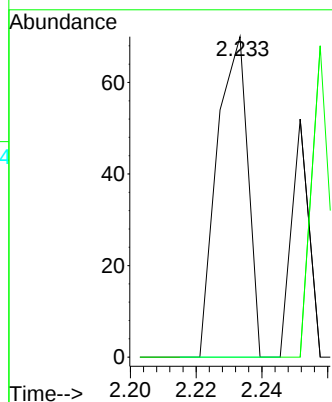
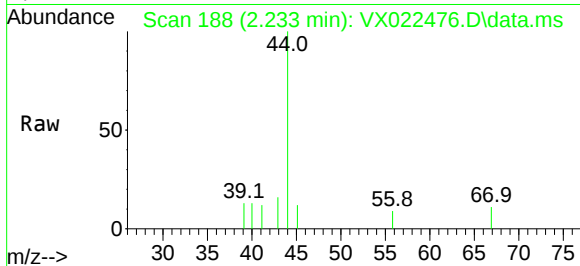




#13
Acrolein
Concen: 0.313 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

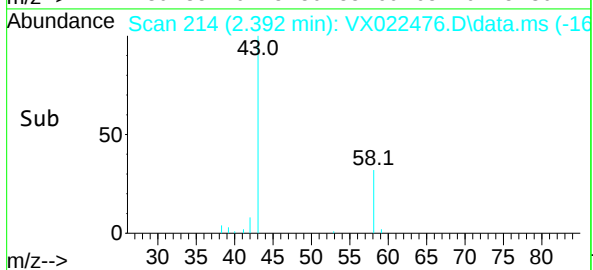
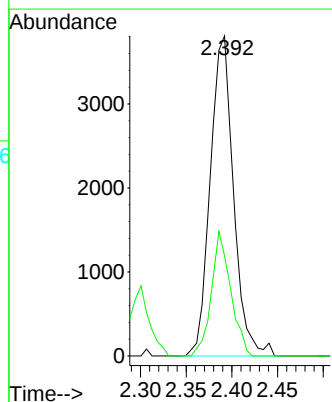
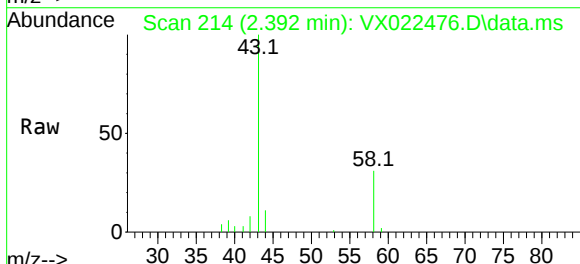
Instrument :
MSVOA_X
ClientSampled :

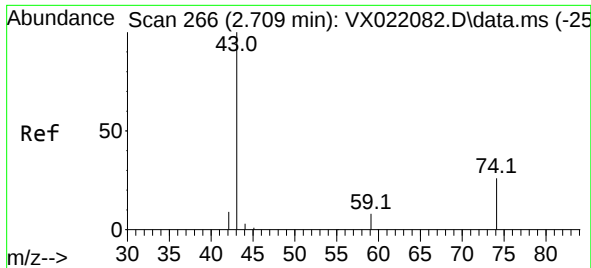
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 16.327 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 43 Resp: 6742
Ion Ratio Lower Upper
43 100
58 31.2 27.8 41.8

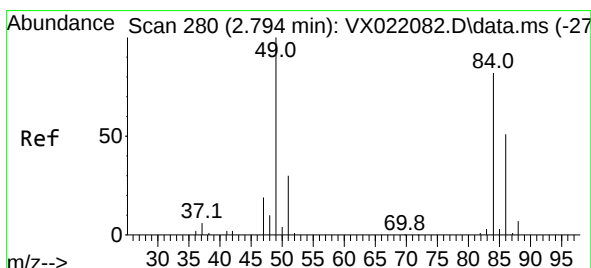
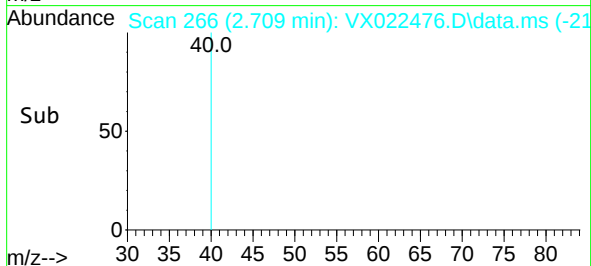
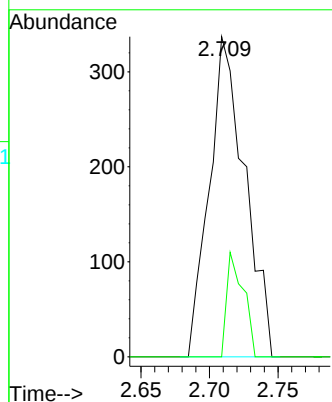
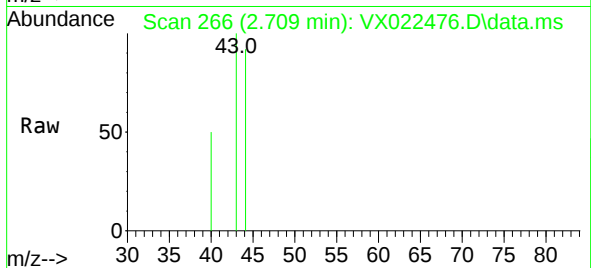




#18
Methyl Acetate
Concen: 0.552 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

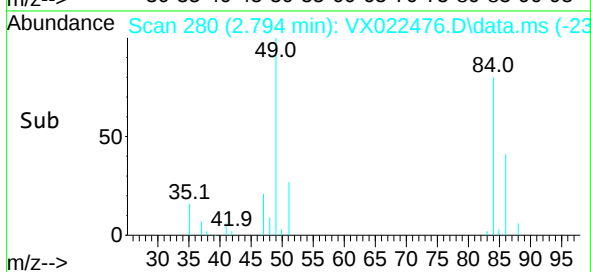
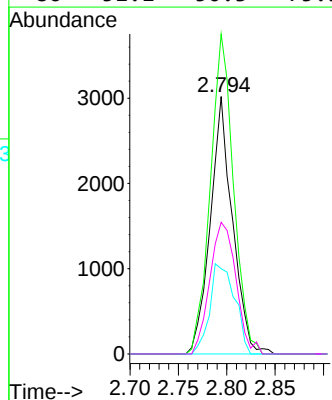
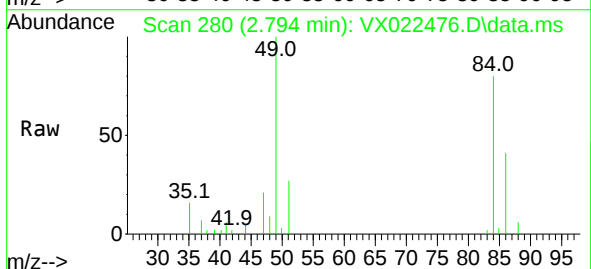
Instrument :
MSVOA_X
ClientSampleId :

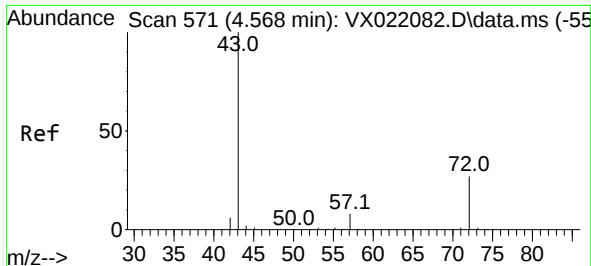
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
74 15.3 21.9 32.9#



#20
Methylene Chloride
Concen: 5.247 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 84 Resp: 4811
Ion Ratio Lower Upper
84 100
49 124.3 88.6 132.8
51 33.1 27.0 40.6
86 51.1 50.3 75.5





#25

2-Butanone

Concen: 3.069 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX022476.D

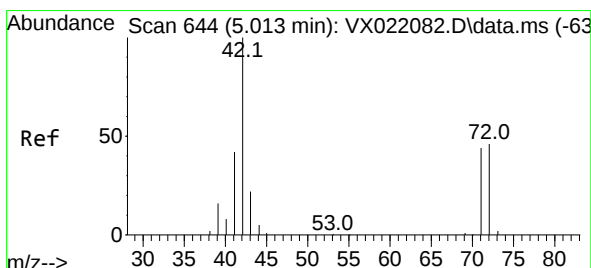
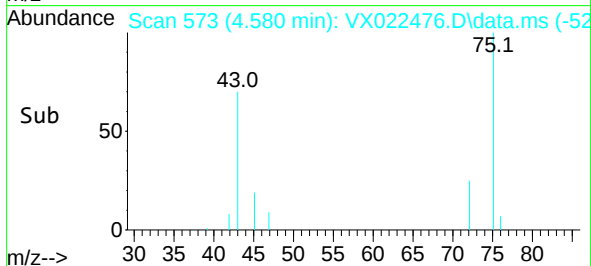
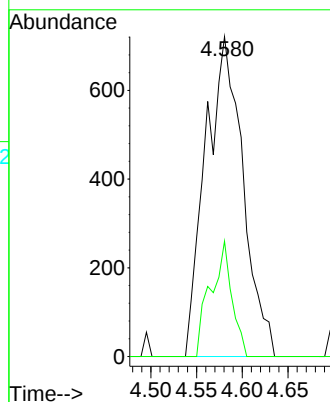
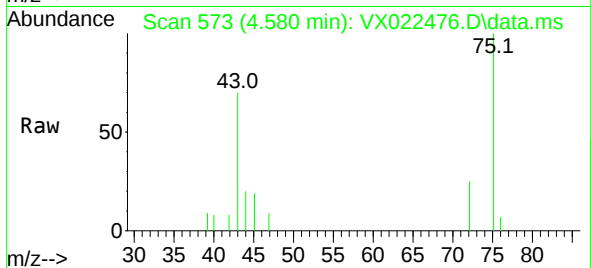
Acq: 05 Jun 2021 16:55

Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

72 36.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.911 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX022476.D

Acq: 05 Jun 2021 16:55

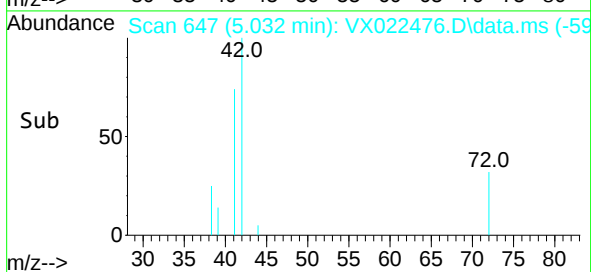
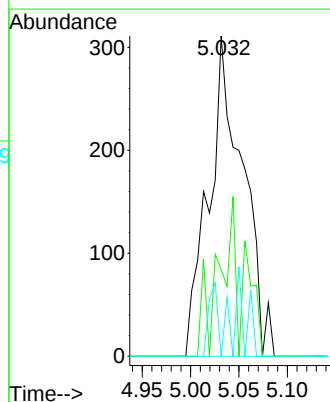
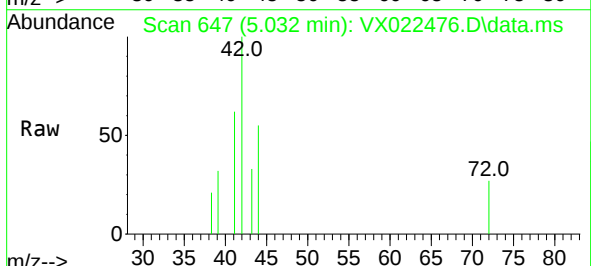
Tgt Ion: 42 Resp: 760

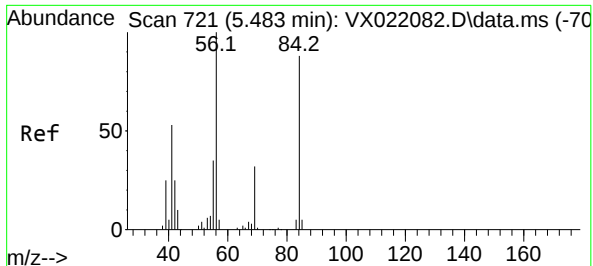
Ion Ratio Lower Upper

42 100

72 16.6 41.7 62.5#

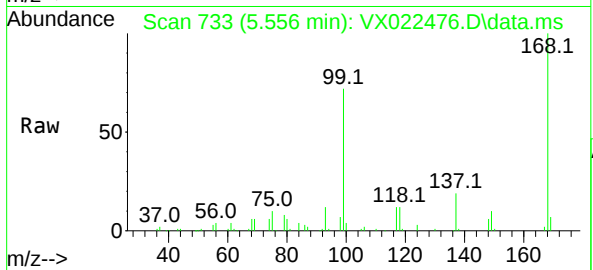
71 6.1 38.4 57.6#



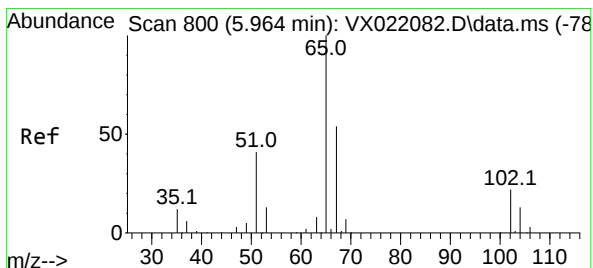
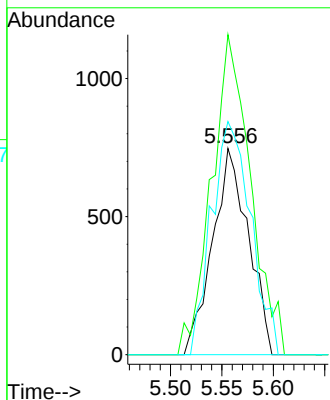
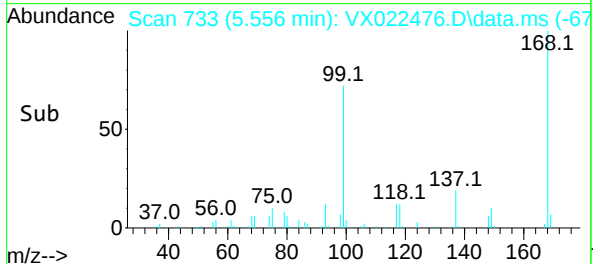


#31
Cyclohexane
Concen: 1.518 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

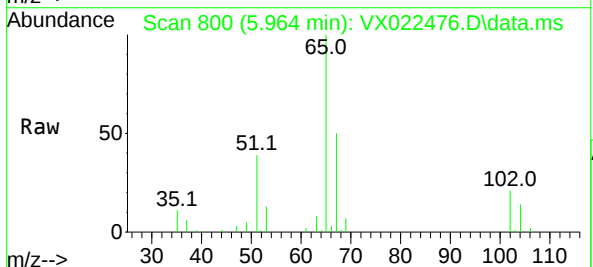
Instrument :
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ClientSampleId :



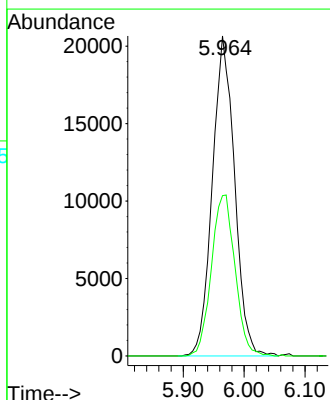
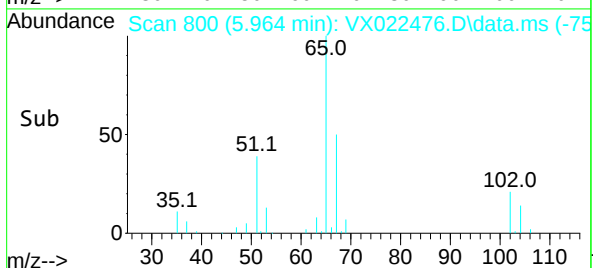
Tgt Ion: 56 Resp: 1809
Ion Ratio Lower Upper
56 100
69 155.2 25.3 37.9#
84 113.0 71.4 107.0#

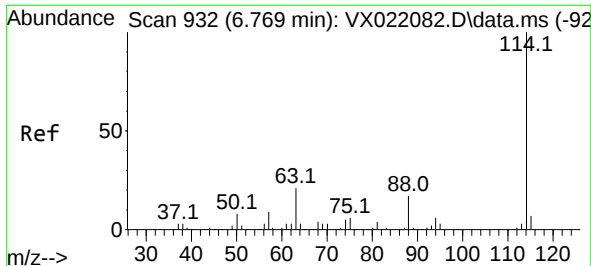


#33
1,2-Dichloroethane-d4
Concen: 55.132 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55



Tgt Ion: 65 Resp: 52285
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.4

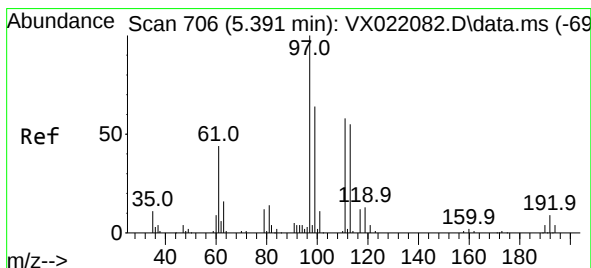
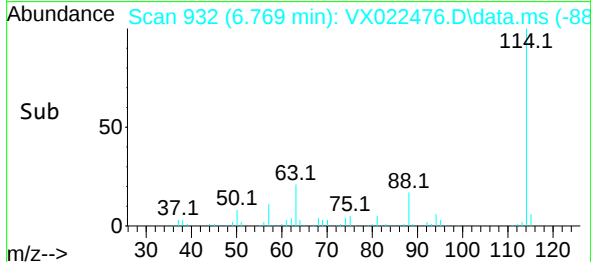
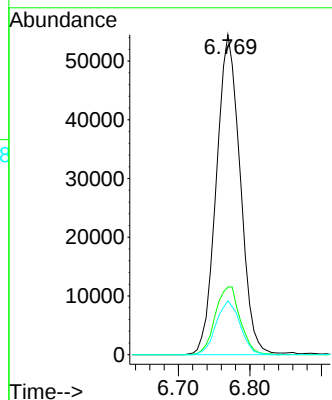
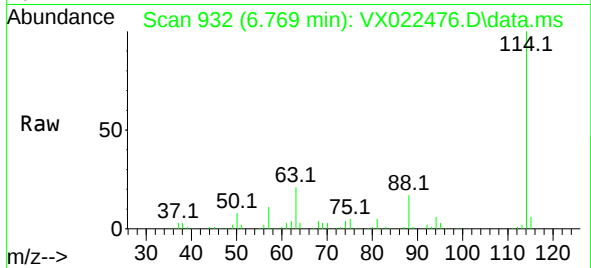




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

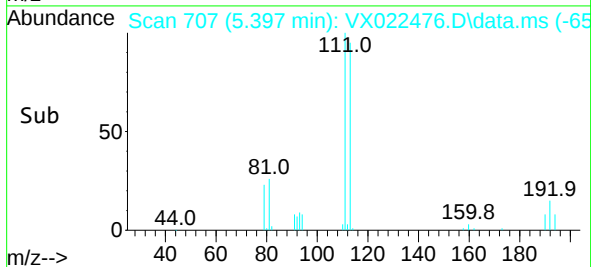
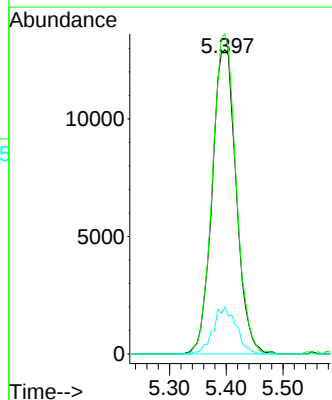
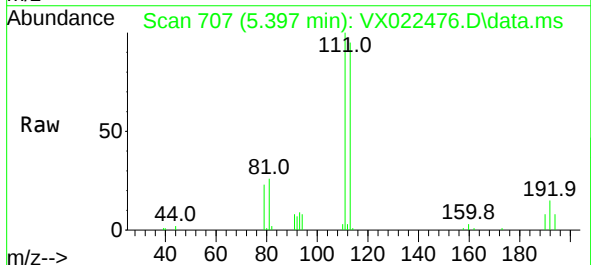
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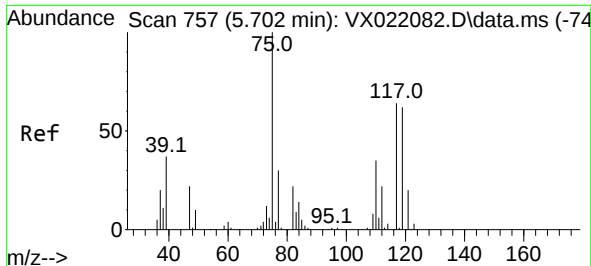
Tgt Ion:114 Resp: 125986
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.915 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion:113 Resp: 38281
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 14.9 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022476.D

Acq: 05 Jun 2021 16:55

Tgt Ion: 75 Resp: 5827

Ion Ratio Lower Upper

75 100

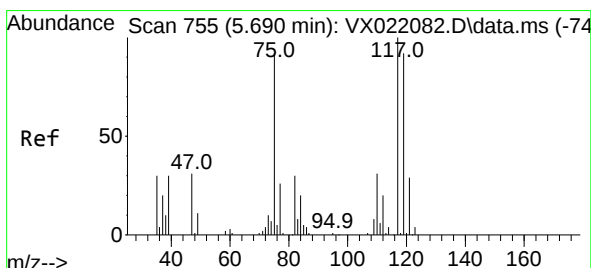
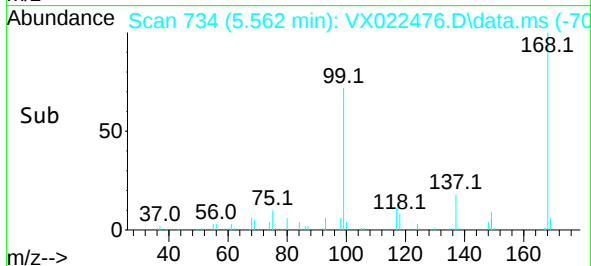
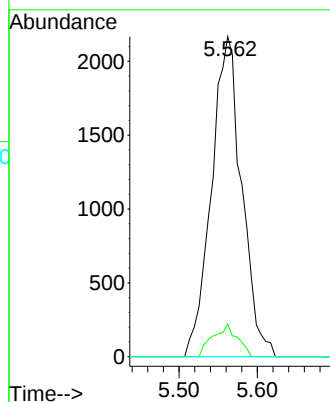
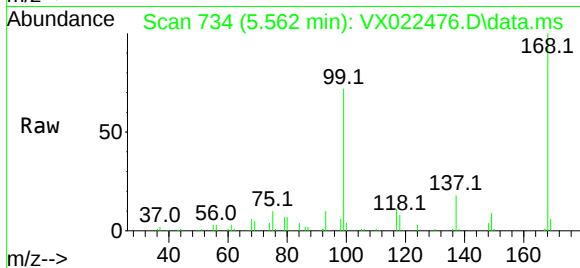
110 8.2 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.266 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX022476.D

Acq: 05 Jun 2021 16:55

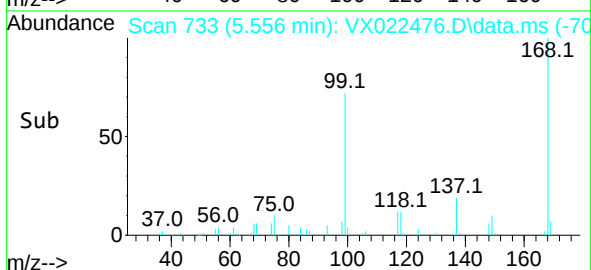
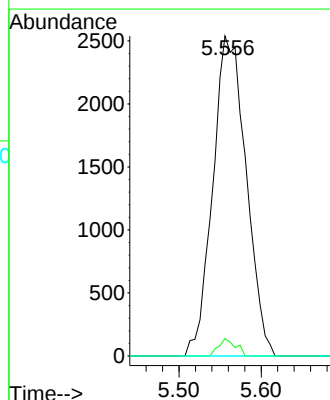
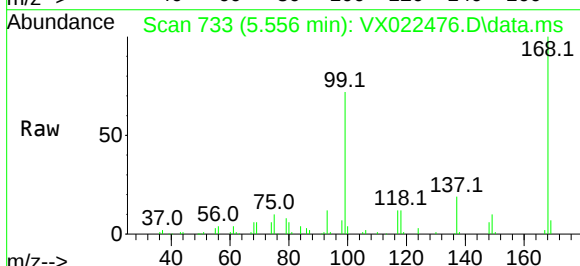
Tgt Ion: 117 Resp: 7141

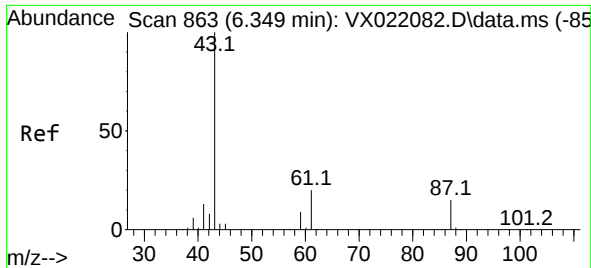
Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

121 0.0 24.8 37.2#

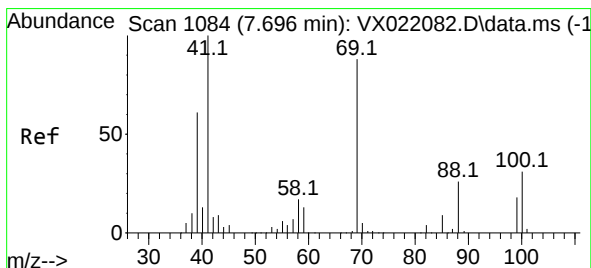
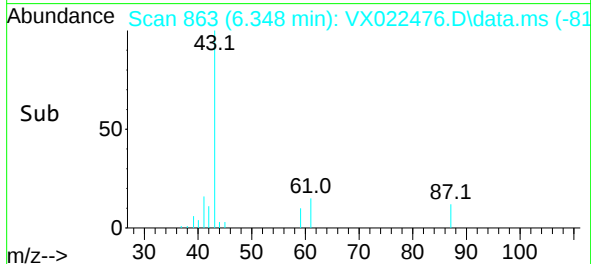
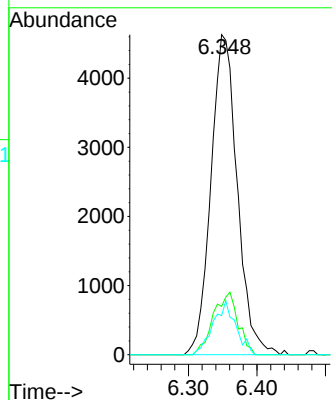
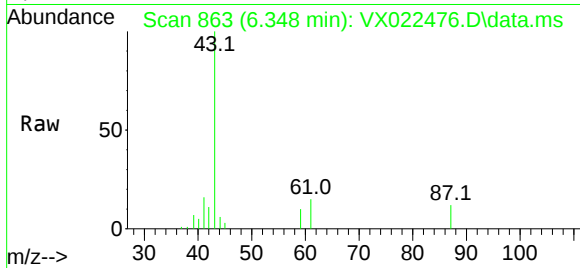




#43
Isopropyl Acetate
Concen: 5.290 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

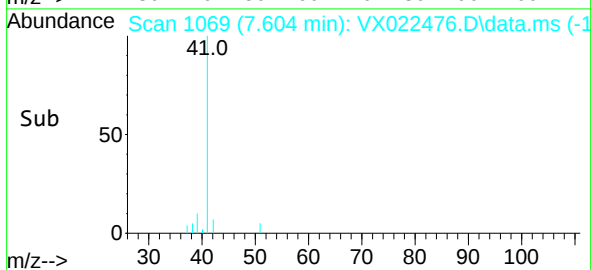
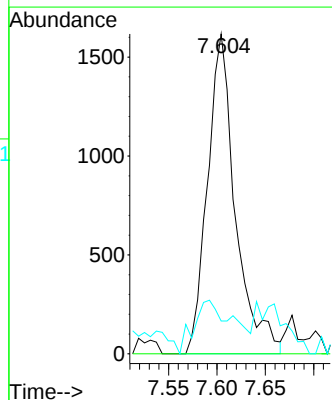
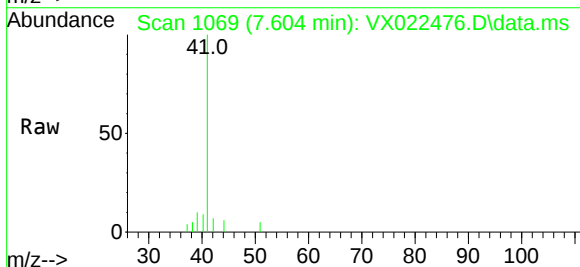
Instrument :
MSVOA_X
ClientSampled :

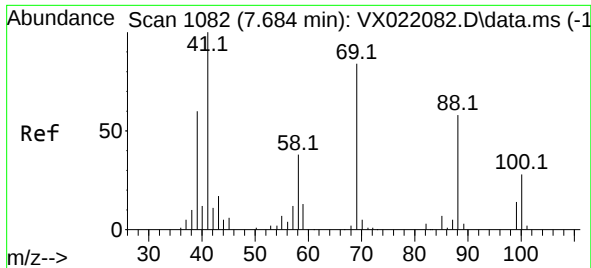
Tgt Ion:	43	Resp:	12356
Ion	Ratio	Lower	Upper
43	100		
61	18.3	18.2	27.4
87	14.5	12.5	18.7



#48
Methyl methacrylate
Concen: 3.013 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion:	41	Resp:	3243
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: 1.240 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX022476.D

Acq: 05 Jun 2021 16:55

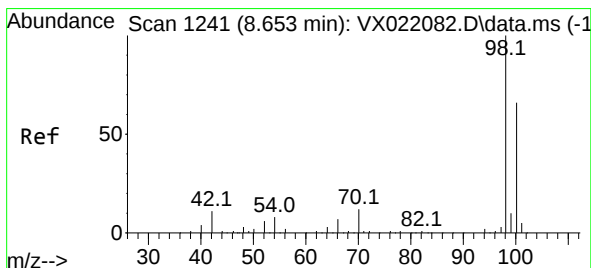
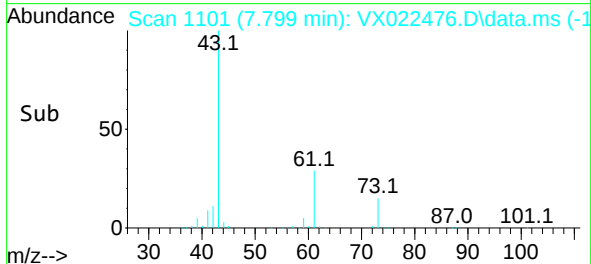
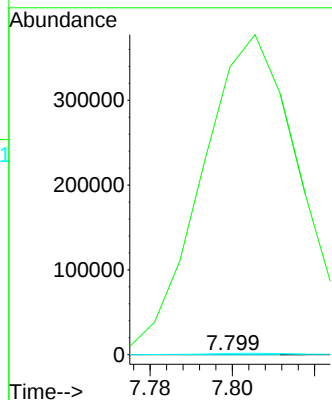
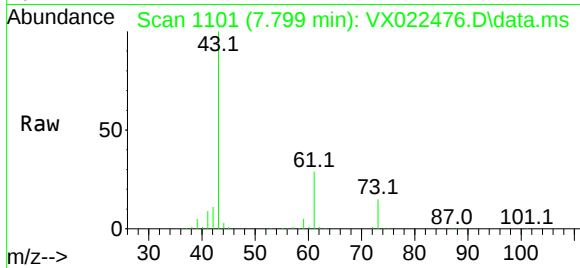
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 2484207.7 23.2 34.8#

58 10626.9 55.0 82.4#



#50

Toluene-d8

Concen: 50.677 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022476.D

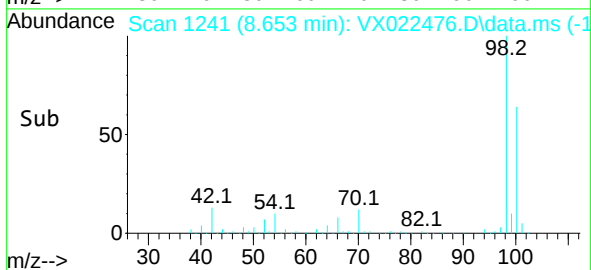
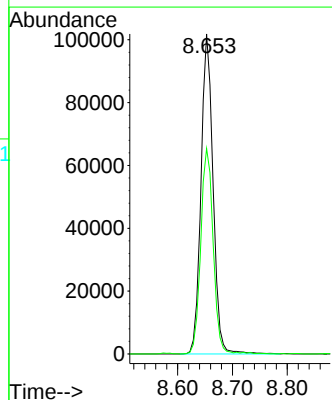
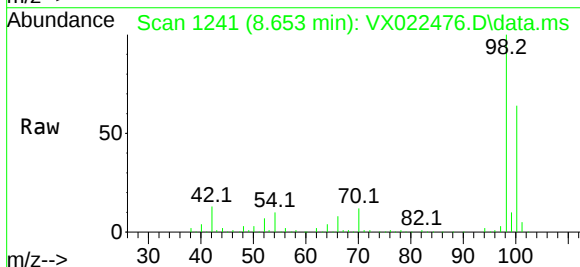
Acq: 05 Jun 2021 16:55

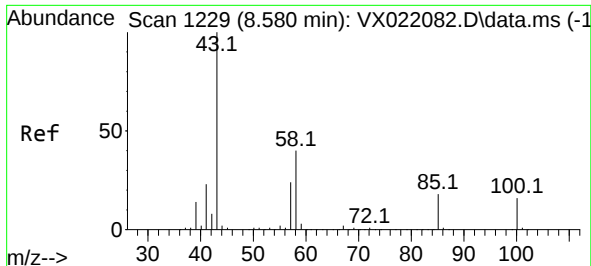
Tgt Ion: 98 Resp: 155964

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9

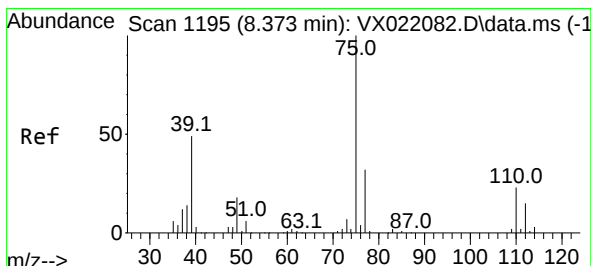
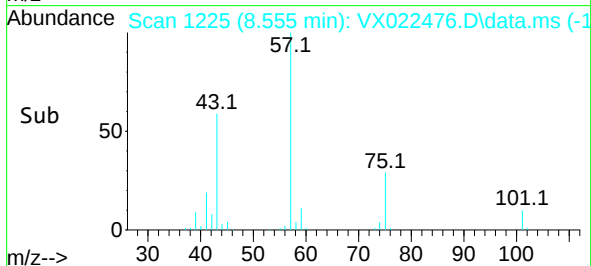
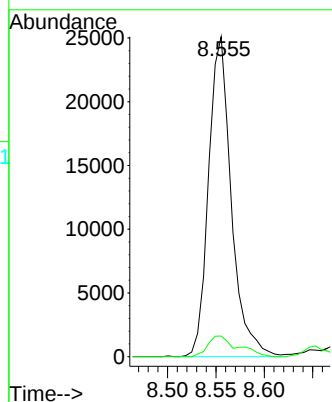
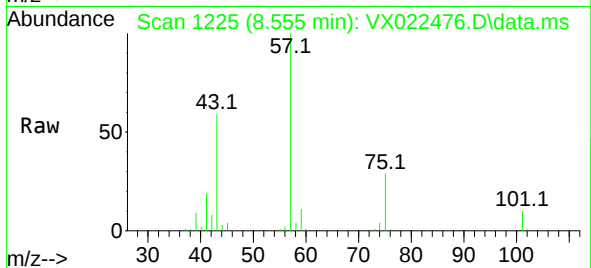




#51
4-Methyl-2-Pentanone
Concen: 29.343 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

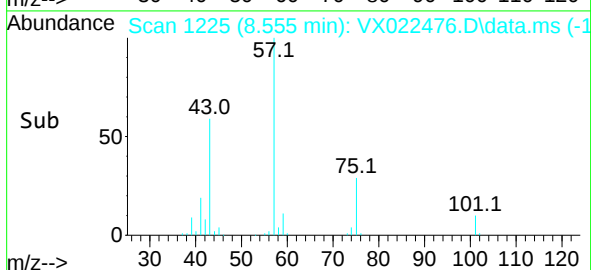
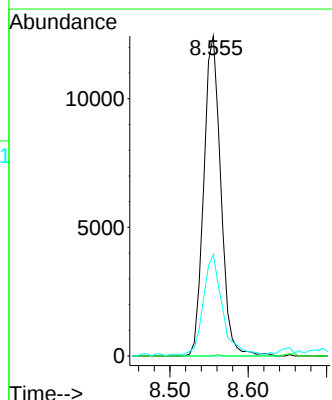
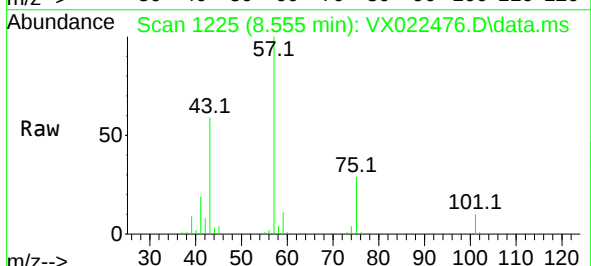
Instrument :
MSVOA_X
ClientSampled :

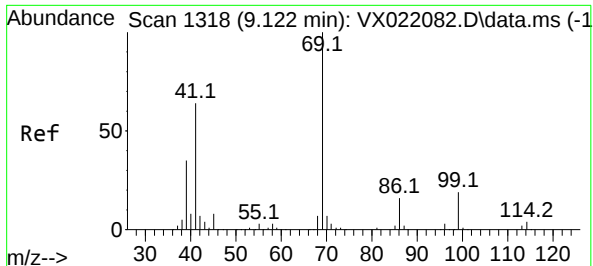
Tgt Ion: 43 Resp: 41058
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.194 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 75 Resp: 18785
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 31.2 35.1 52.7#

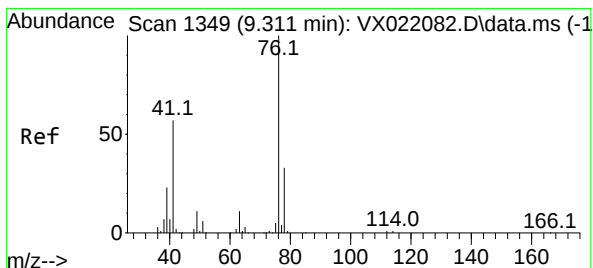
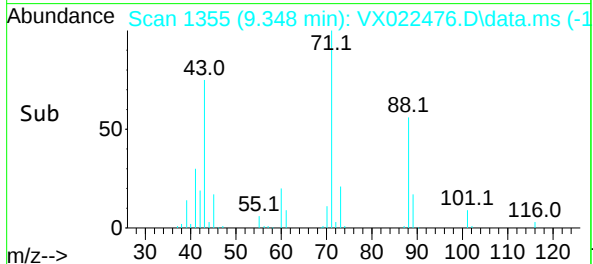
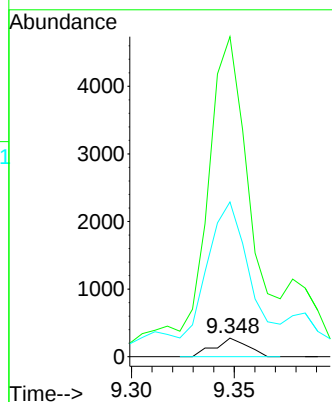
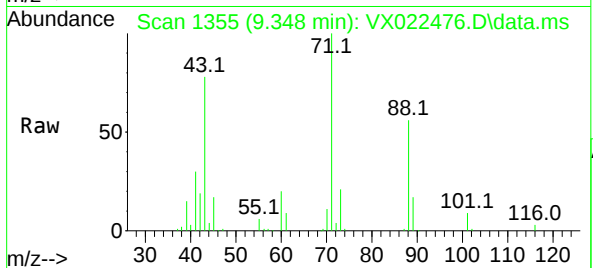




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

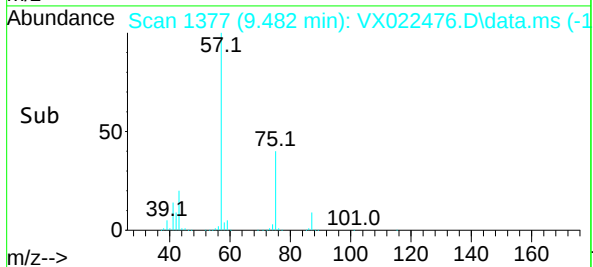
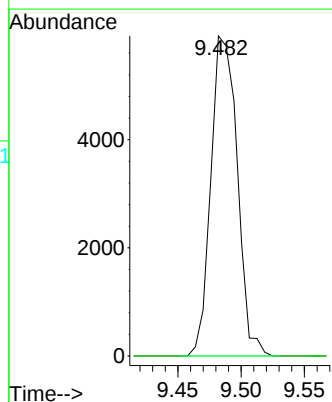
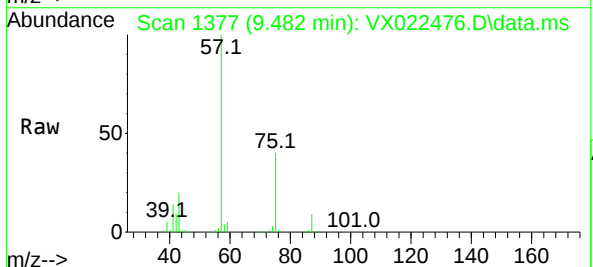
Instrument :
MSVOA_X
ClientSampleId :

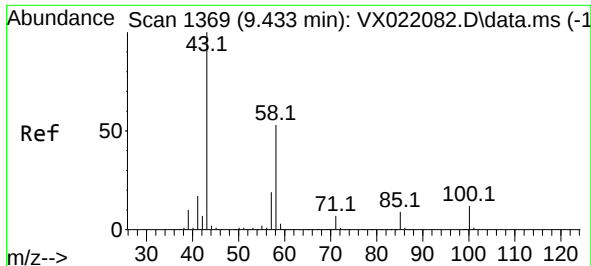
Tgt Ion: 69 Resp: 301
Ion Ratio Lower Upper
69 100
41 2321.9 46.8 70.2#
39 1170.4 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 5.451 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 76 Resp: 8576
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

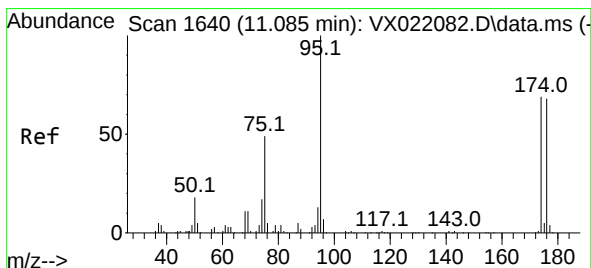
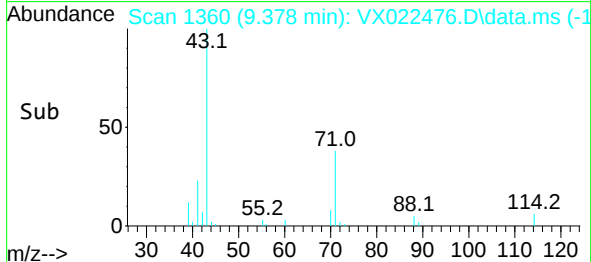
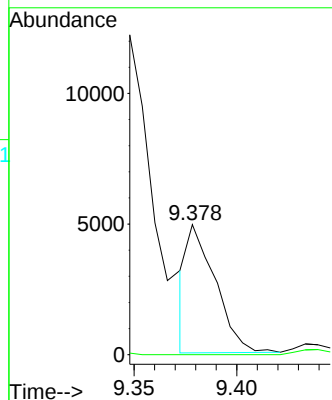
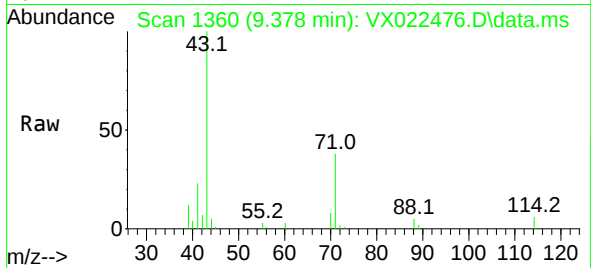




#59
2-Hexanone
Concen: 4.440 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

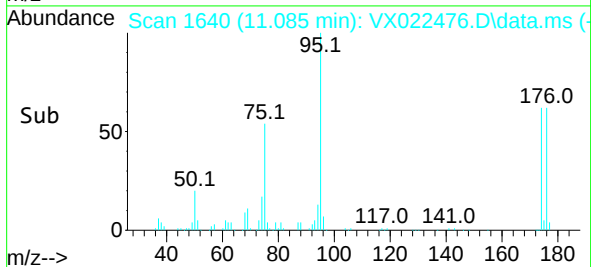
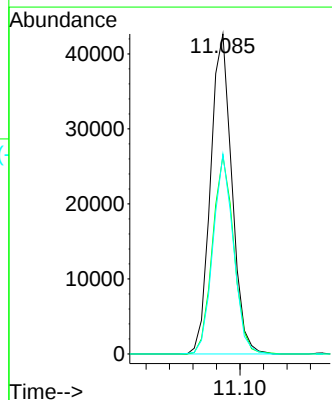
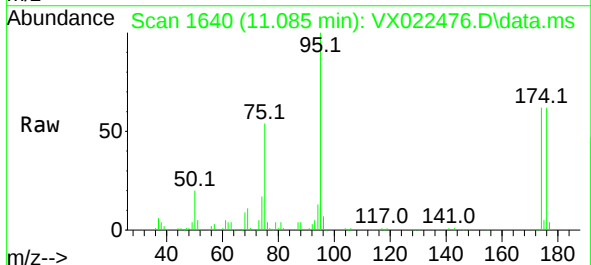
Instrument :
MSVOA_X
ClientSampleId :

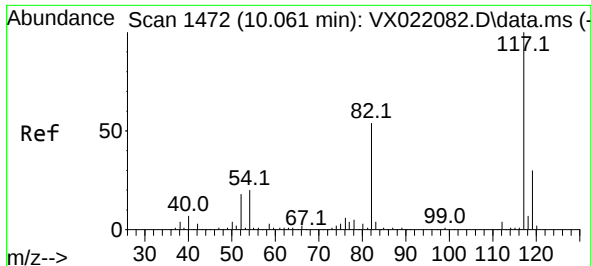
Tgt Ion: 43 Resp: 4673
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.170 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 95 Resp: 53658
Ion Ratio Lower Upper
95 100
174 61.9 0.0 154.6
176 59.8 0.0 155.8

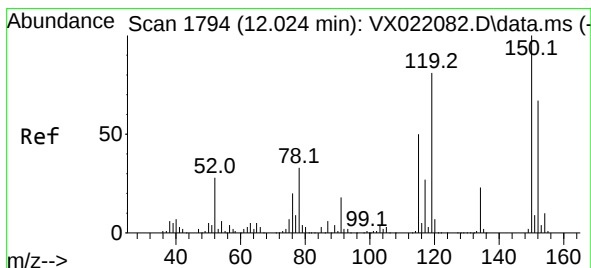
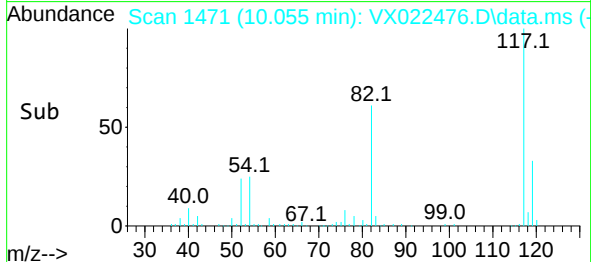
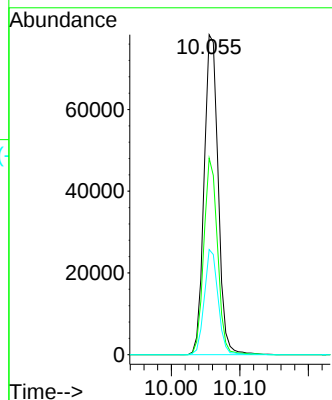
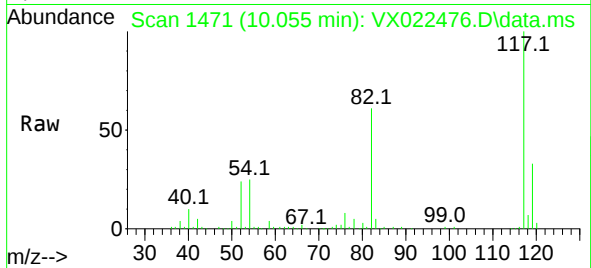




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

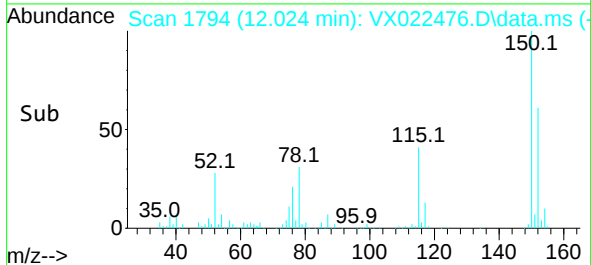
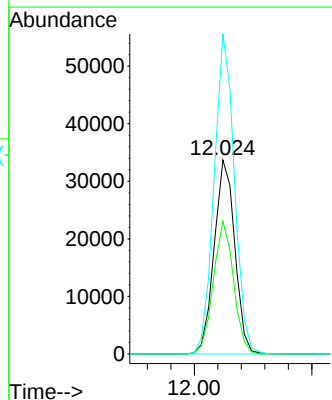
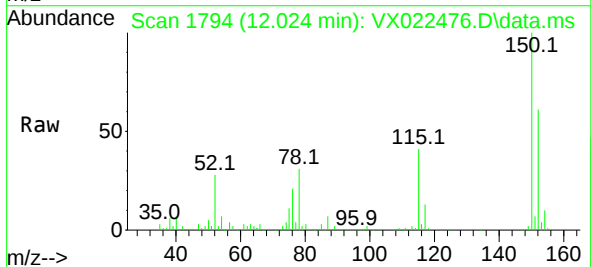
Instrument :
MSVOA_X
ClientSampled :

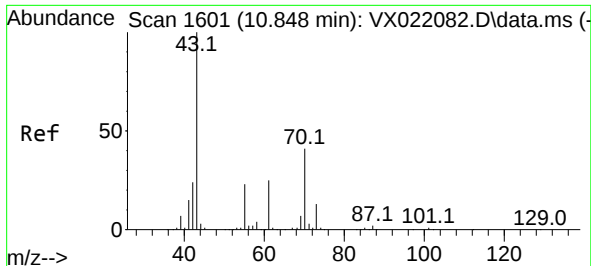
Tgt Ion:117 Resp: 111965
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

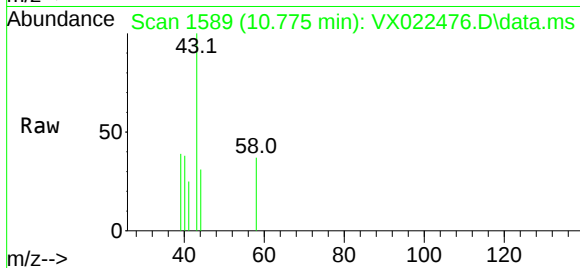
Tgt Ion:152 Resp: 41103
Ion Ratio Lower Upper
152 100
115 67.0 41.1 123.3
150 162.1 0.0 349.0



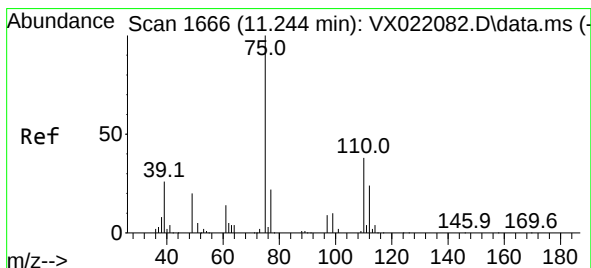
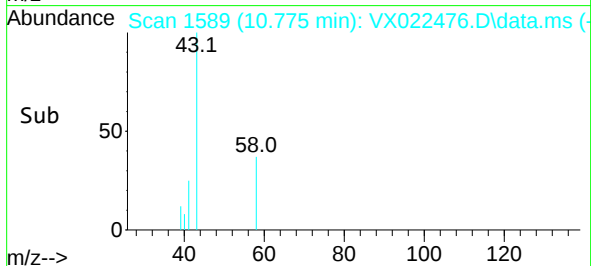
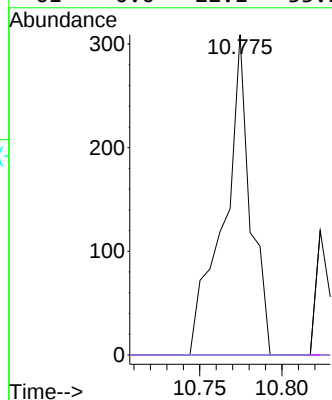


#74
N-amy1 acetate
Concen: 0.210 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Instrument :
MSVOA_X
ClientSampleId :

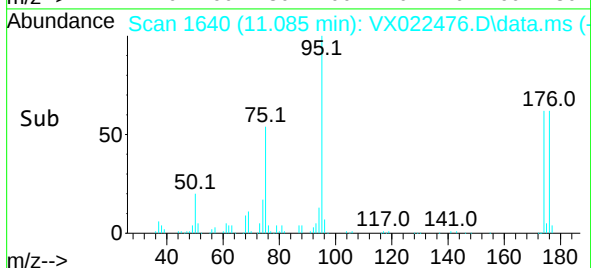
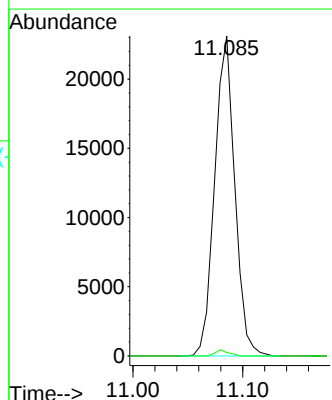
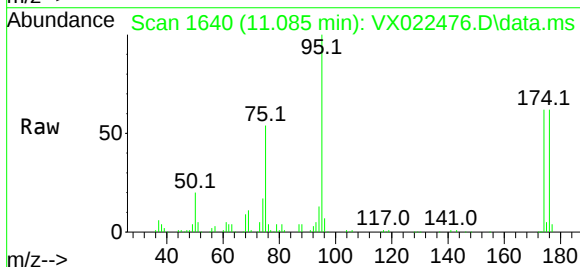


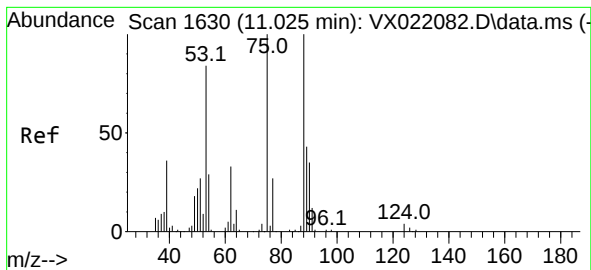
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 29.062 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022476.D
Acq: 05 Jun 2021 16:55

Tgt Ion: 75 Resp: 29469
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.857 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022476.D

Acq: 05 Jun 2021 16:55

Tgt Ion: 75 Resp: 29469

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

