

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022127.D
 Acq On : 21 May 2021 19:48
 Operator : JC/MD
 Sample : PB136552TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136552TB

Quant Time: May 22 04:58:33 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

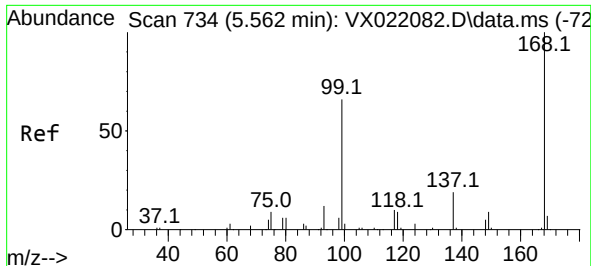
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	65169	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	134949	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	118864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45902	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52697	52.42	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.84%
35) Dibromofluoromethane	5.397	113	41360	48.33	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.66%
50) Toluene-d8	8.653	98	166059	50.37	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.74%
62) 4-Bromofluorobenzene	11.085	95	55886	45.87	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.74%
Target Compounds						
						Qvalue
5) Bromomethane	1.612	94	176	0.33	ug/l	# 66
6) Chloroethane	1.679	64	207	0.38	ug/l	# 43
11) Tert butyl alcohol	2.965	59	1201	5.22	ug/l	# 73
13) Acrolein	2.258	56	62	0.41	ug/l	# 1
16) Acetone	2.392	43	12121	27.69	ug/l	100
18) Methyl Acetate	2.709	43	1618	1.39	ug/l	# 86
20) Methylene Chloride	2.794	84	6988	7.19	ug/l	96
25) 2-Butanone	4.574	43	2214	3.13	ug/l	90
29) Tetrahydrofuran	5.032	42	375	0.89	ug/l	# 42
31) Cyclohexane	5.556	56	1591	1.26	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	6429	5.15	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	7341	6.01	ug/l	# 16
43) Isopropyl Acetate	6.355	43	14370	5.74	ug/l	94
48) Methyl methacrylate	7.604	41	4364	3.78	ug/l	# 10
49) 1,4-Dioxane	7.812	88	122	5.43	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	49160	32.80	ug/l	# 46
54) cis-1,3-Dichloropropene	8.555	75	23667	14.34	ug/l	# 62
57) 1,3-Dichloropropane	9.488	76	14189	8.42	ug/l	# 42
59) 2-Hexanone	9.385	43	5679	5.04	ug/l	# 19
74) N-amyl acetate	10.823	43	475	0.26	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	28961	25.57	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	2838	0.88	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	28961	60.60	ug/l	# 12

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

Quant Time: May 22 04:58:33 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

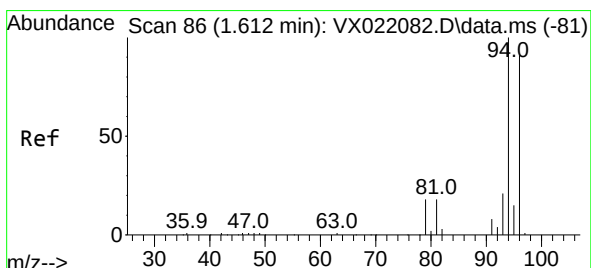
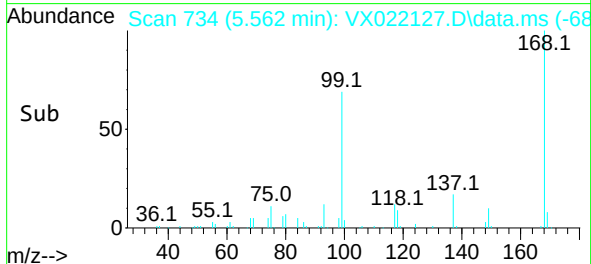
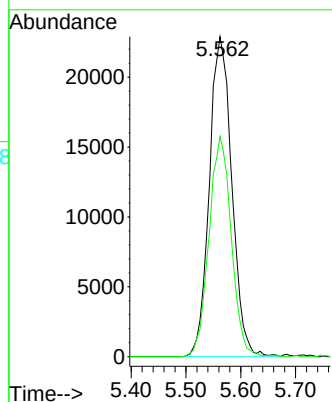
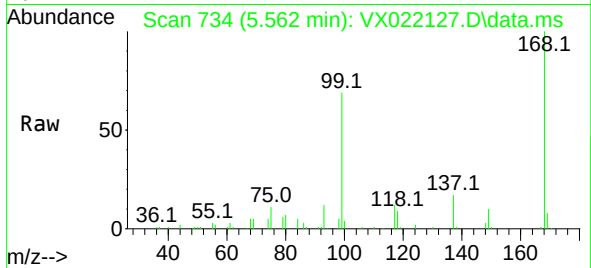




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

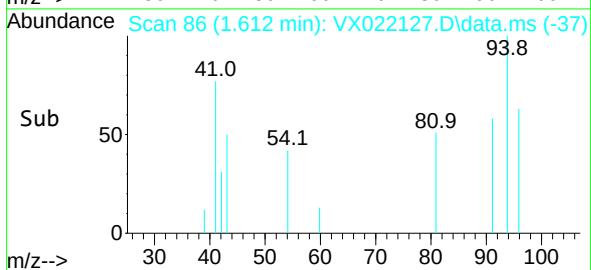
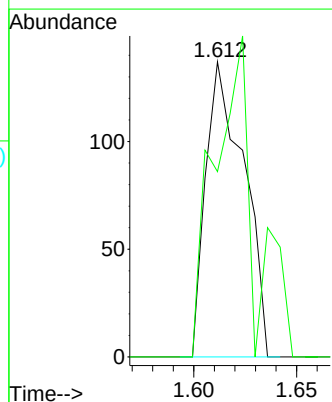
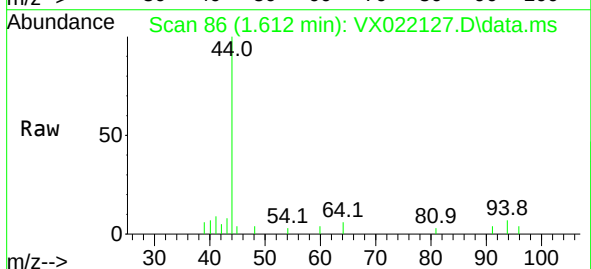
Instrument :
MSVOA_X
ClientSampled :
PB136552TB

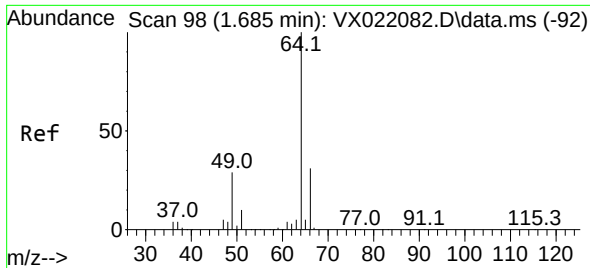
Tgt Ion:168 Resp: 65169
Ion Ratio Lower Upper
168 100
99 68.8 45.8 68.6#



#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 62.8 76.4 114.6#

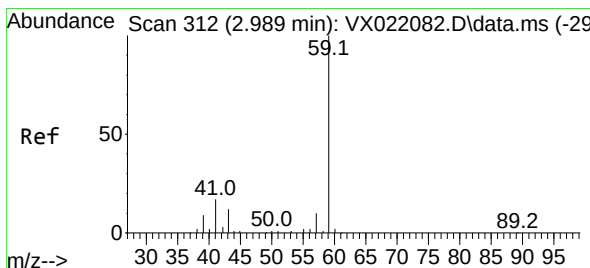
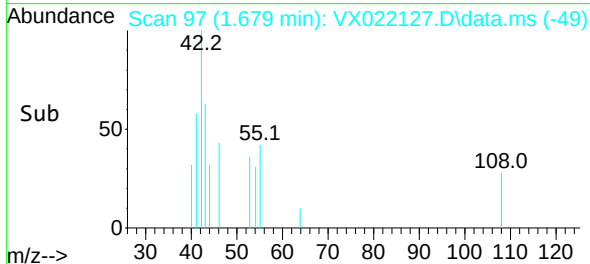
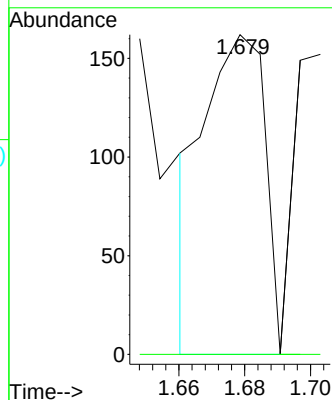
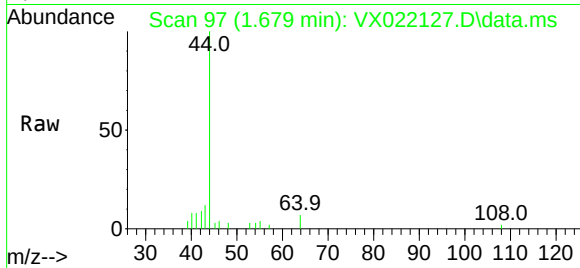




#6
Chloroethane
Concen: 0.38 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

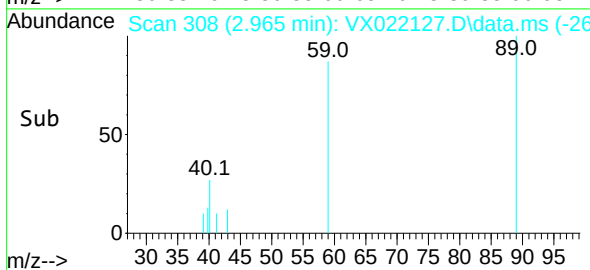
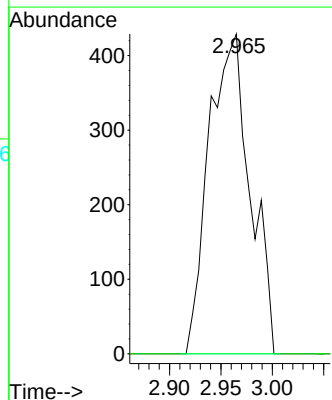
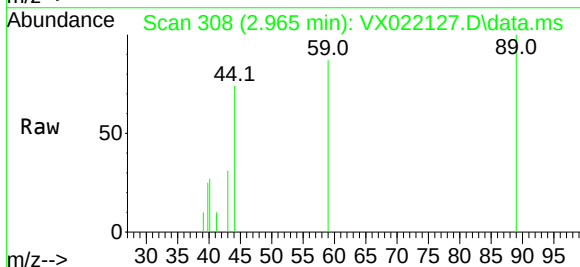
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

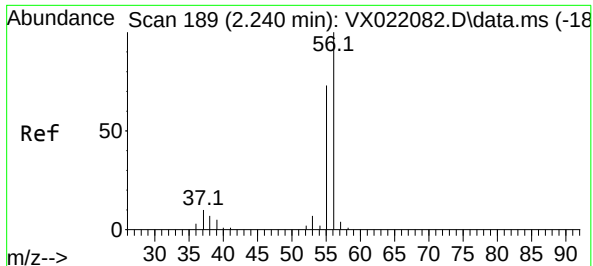
Tgt Ion: 64 Resp: 207
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 5.22 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 59 Resp: 1201
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

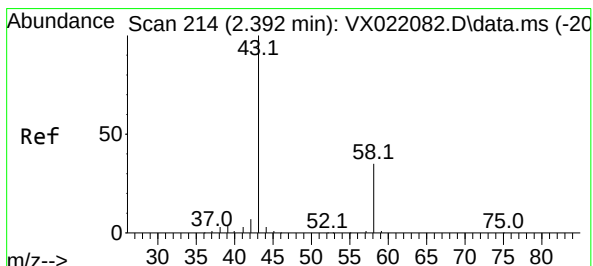
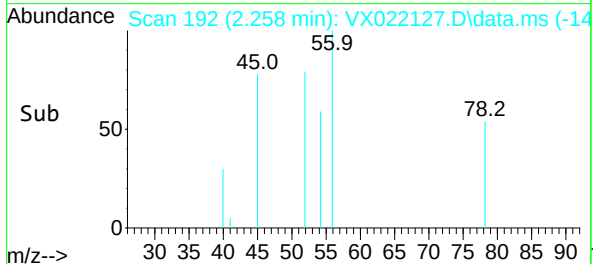
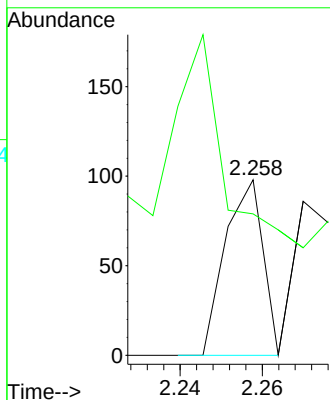
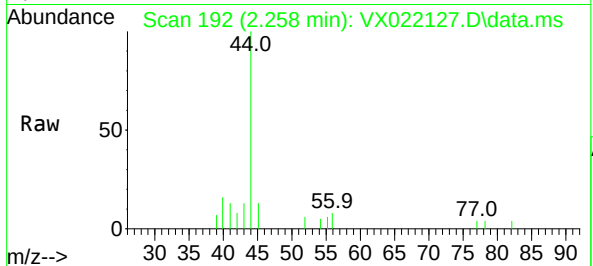




#13
Acrolein
Concen: 0.41 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

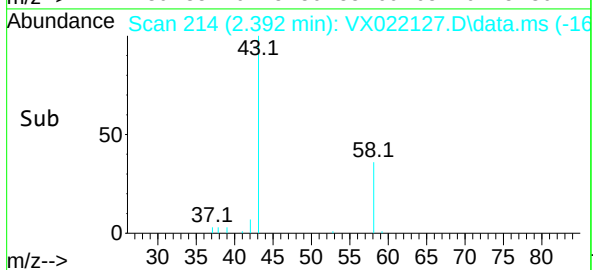
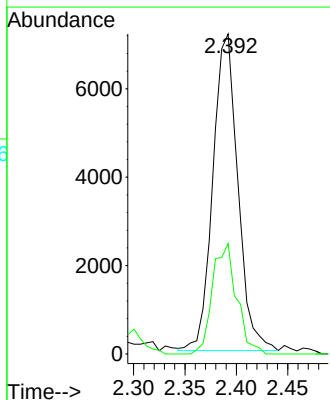
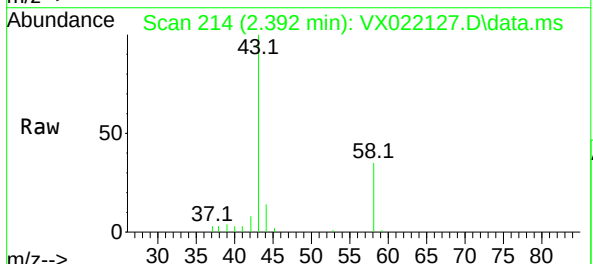
Instrument :
MSVOA_X
ClientSampled :
PB136552TB

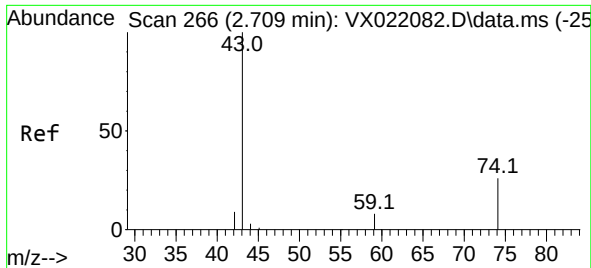
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 501.6 56.4 84.6#



#16
Acetone
Concen: 27.69 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 43 Resp: 12121
Ion Ratio Lower Upper
43 100
58 34.9 27.8 41.8

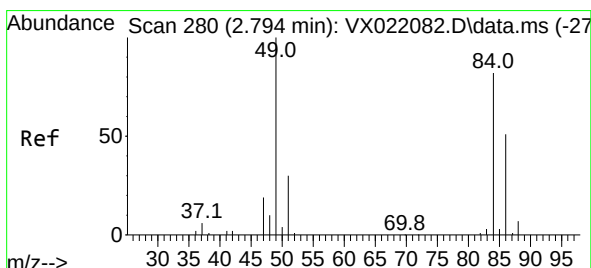
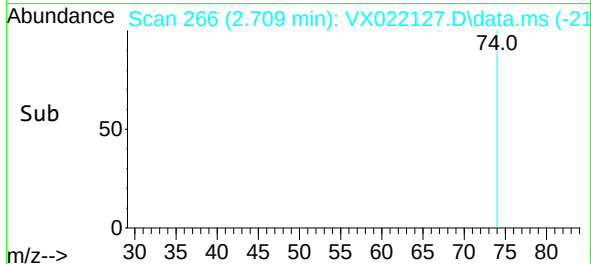
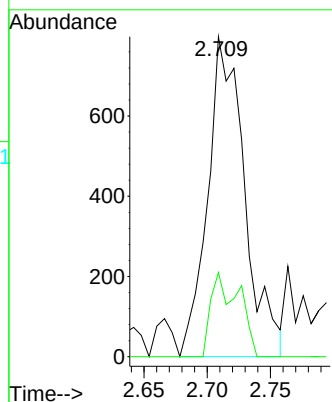
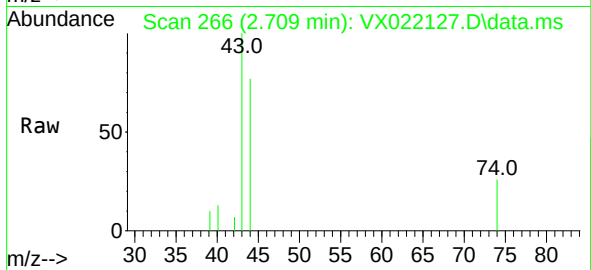




#18
Methyl Acetate
Concen: 1.39 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

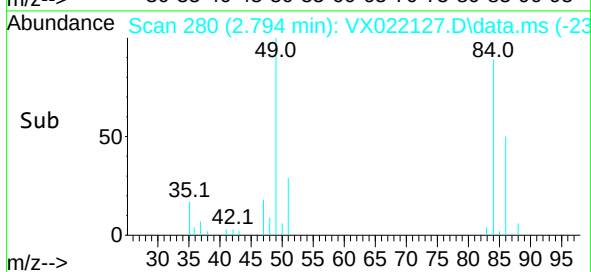
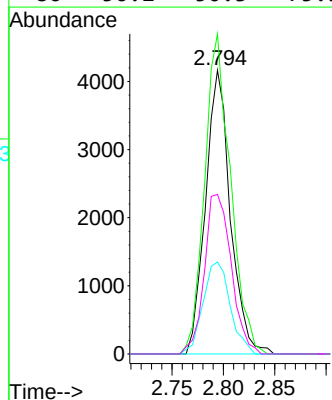
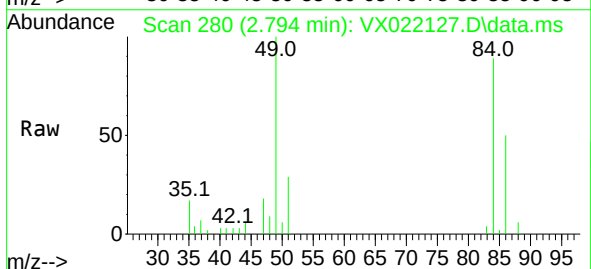
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

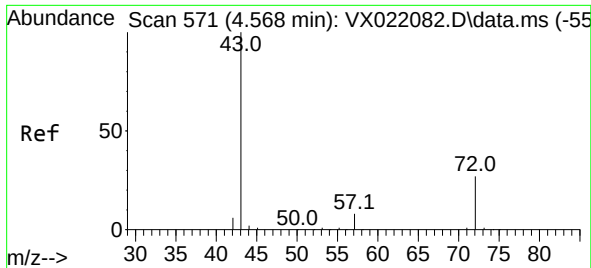
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
74 19.9 21.9 32.9#



#20
Methylene Chloride
Concen: 7.19 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 84 Resp: 6988
Ion Ratio Lower Upper
84 100
49 112.8 88.6 132.8
51 32.4 27.0 40.6
86 56.2 50.3 75.5

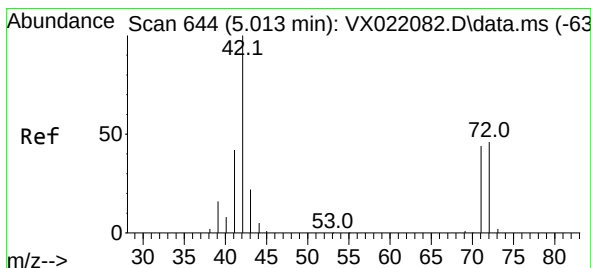
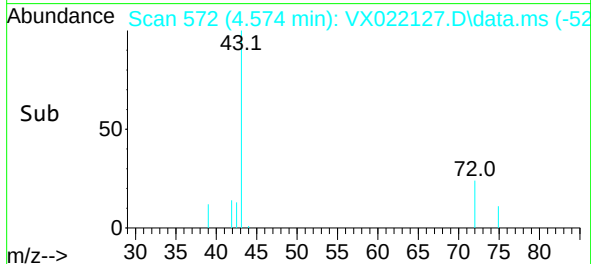
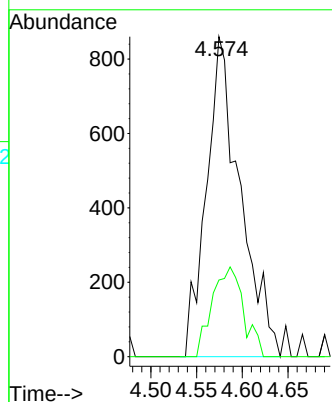
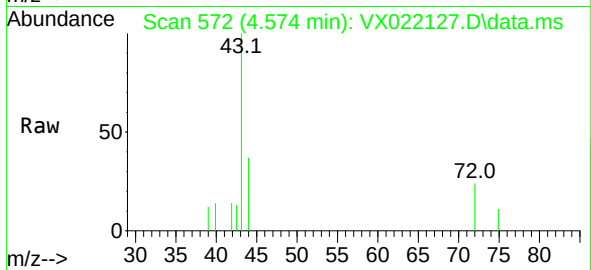




#25
2-Butanone
Concen: 3.13 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

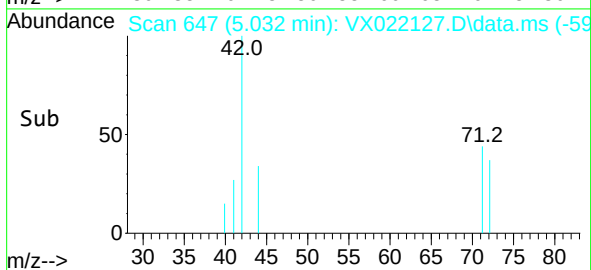
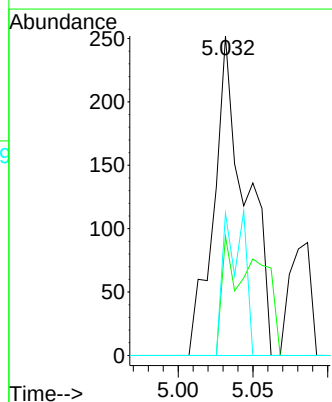
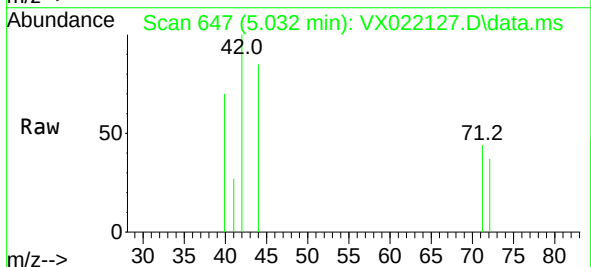
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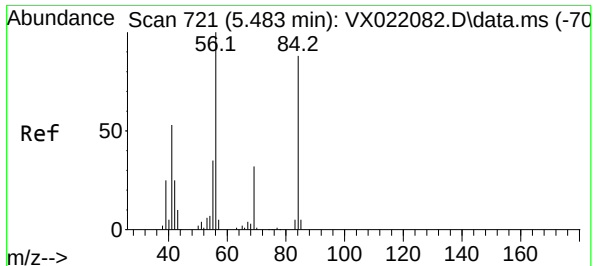
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.89 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

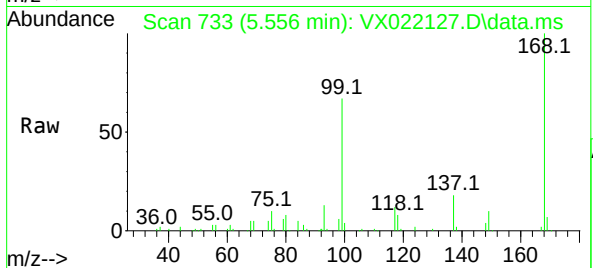
Tgt Ion: 42 Resp: 375
Ion Ratio Lower Upper
42 100
72 20.0 41.7 62.5#
71 0.0 38.4 57.6#



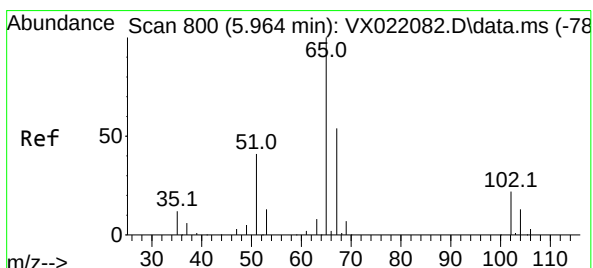
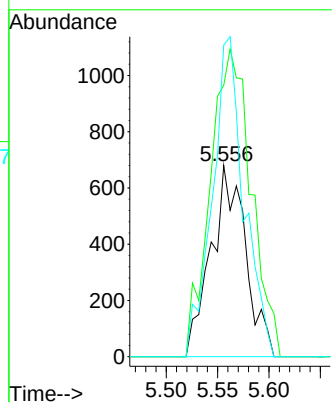
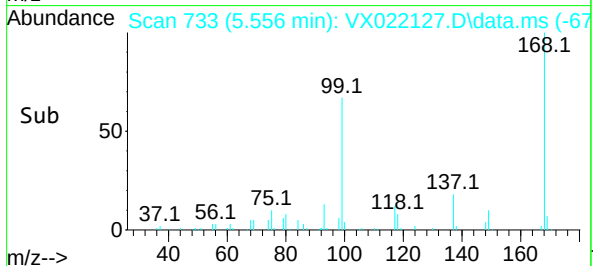


#31
Cyclohexane
Concen: 1.26 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

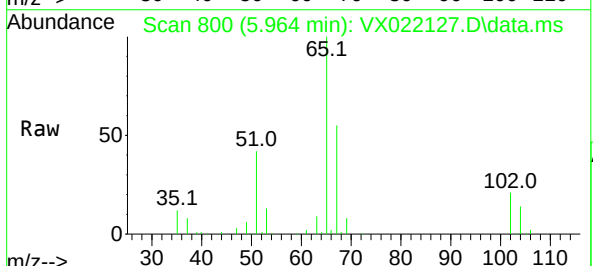
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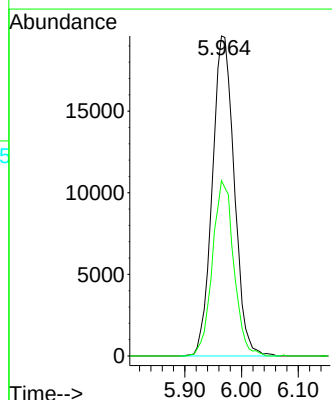
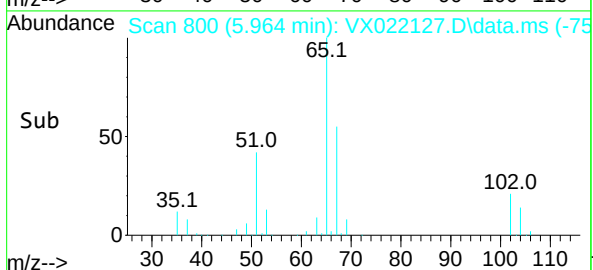
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Ion Ratio Lower Upper
56 100
69 141.9 25.3 37.9#
84 162.9 71.4 107.0#

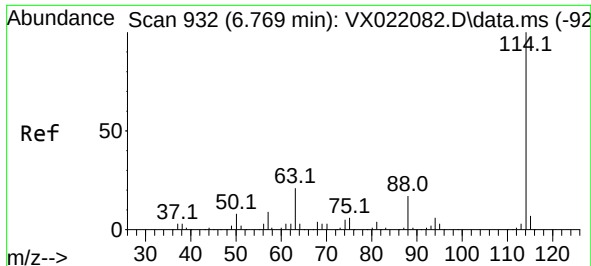


#33
1,2-Dichloroethane-d4
Concen: 52.42 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48



Tgt Ion: 65 Resp: 52697
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4

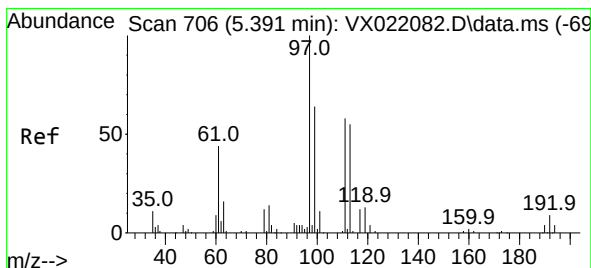
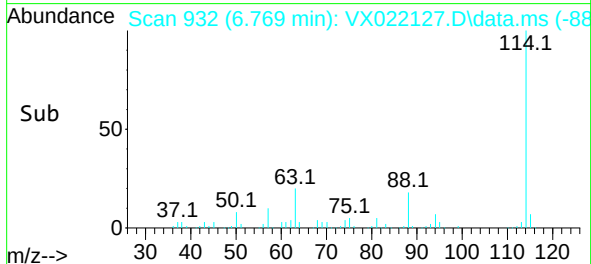
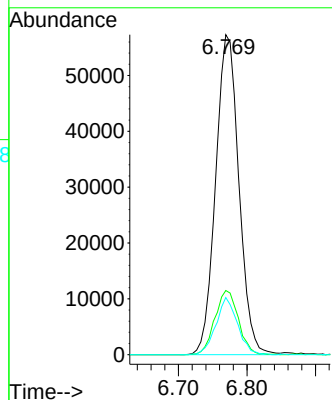
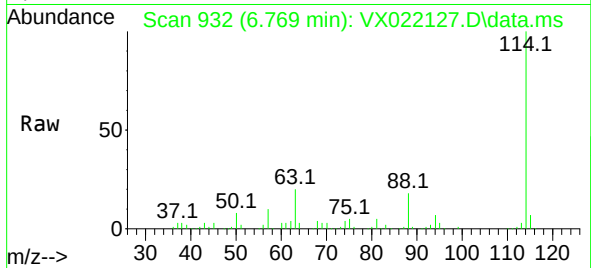




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

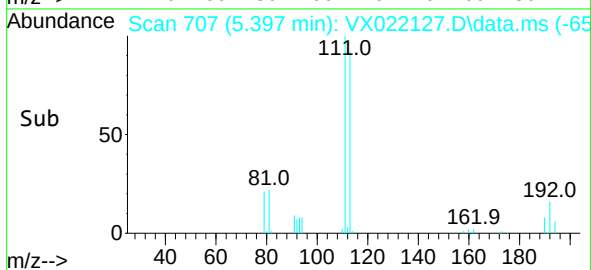
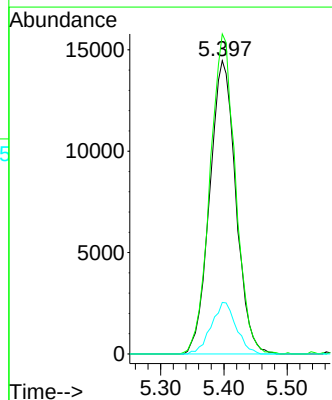
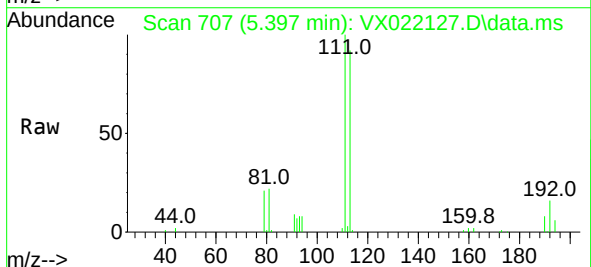
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

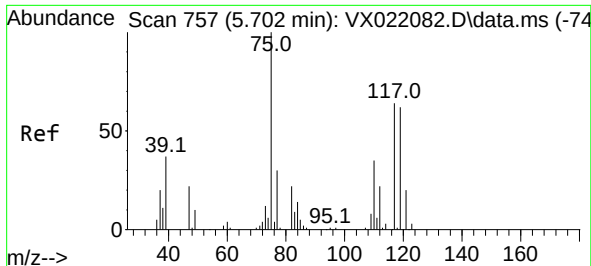
Tgt Ion:114 Resp: 134949
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 17.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.33 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion:113 Resp: 41360
Ion Ratio Lower Upper
113 100
111 106.8 81.9 122.9
192 16.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.15 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022127.D

Acq: 21 May 2021 19:48

Tgt Ion: 75 Resp: 6429

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

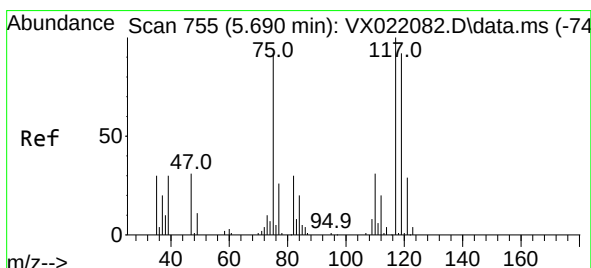
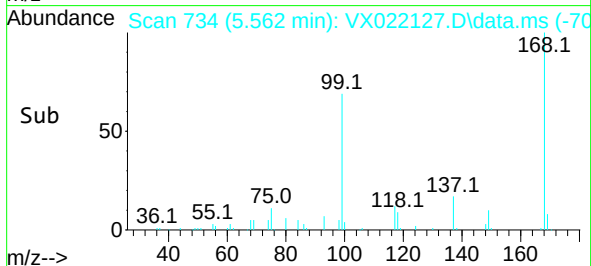
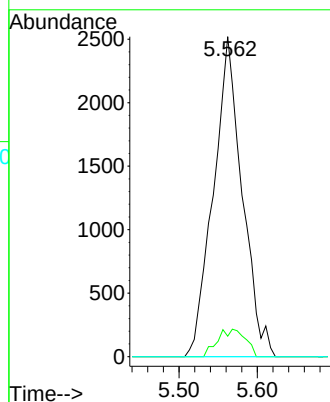
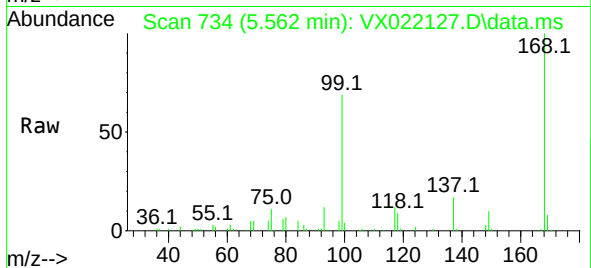
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

PB136552TB



#38

Carbon Tetrachloride

Concen: 6.01 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX022127.D

Acq: 21 May 2021 19:48

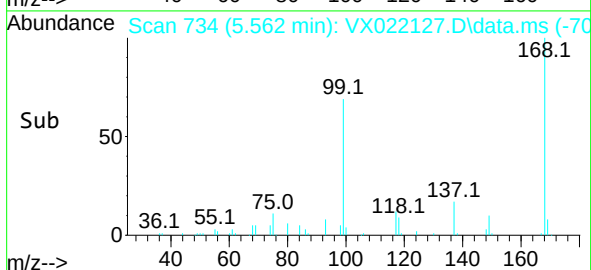
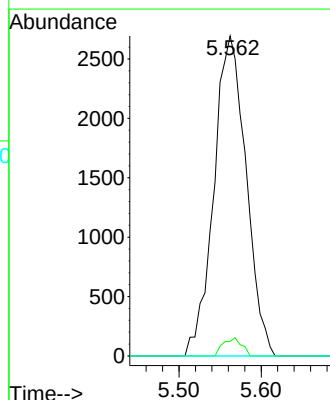
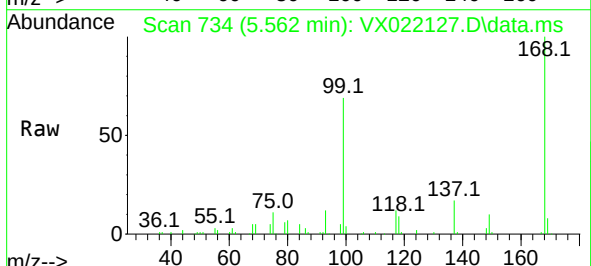
Tgt Ion: 117 Resp: 7341

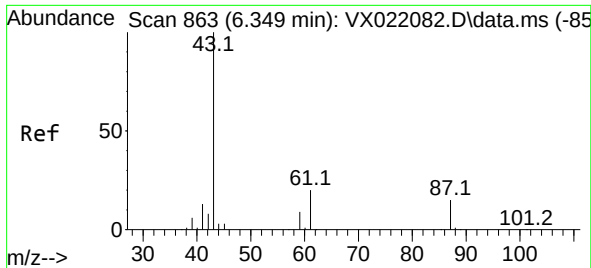
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 24.8 37.2#

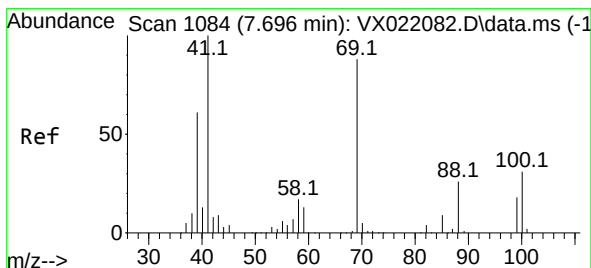
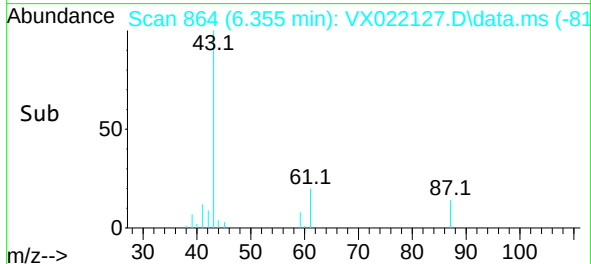
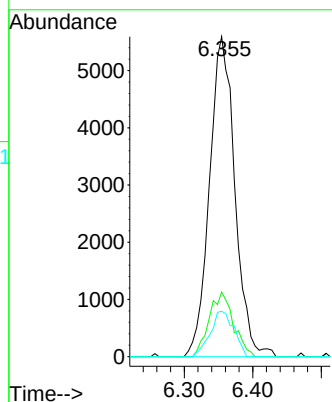
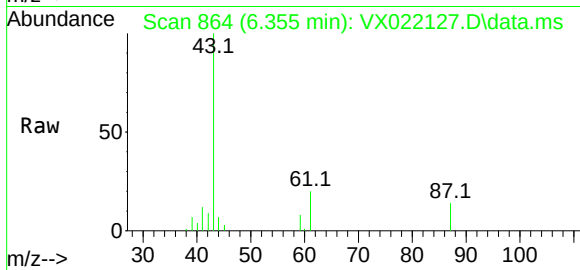




#43
Isopropyl Acetate
Concen: 5.74 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

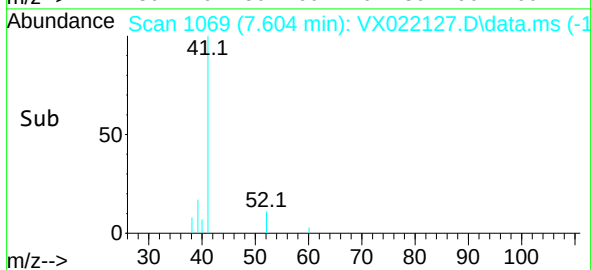
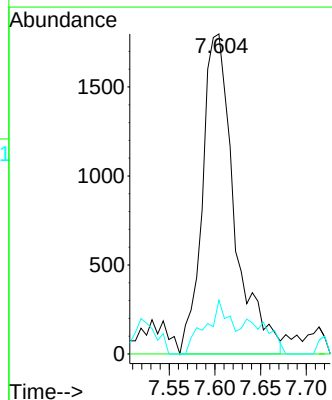
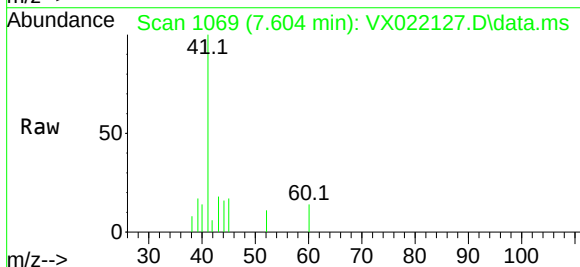
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

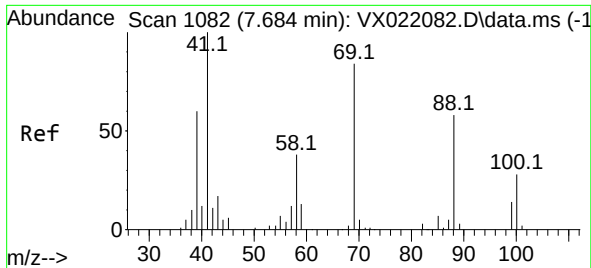
Tgt Ion:	43	Resp:	14370
Ion	Ratio	Lower	Upper
43	100		
61	19.4	18.2	27.4
87	13.3	12.5	18.7



#48
Methyl methacrylate
Concen: 3.78 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion:	41	Resp:	4364
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: 5.43 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.128 min

Lab File: VX022127.D

Acq: 21 May 2021 19:48

Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 621301.6 23.2 34.8#

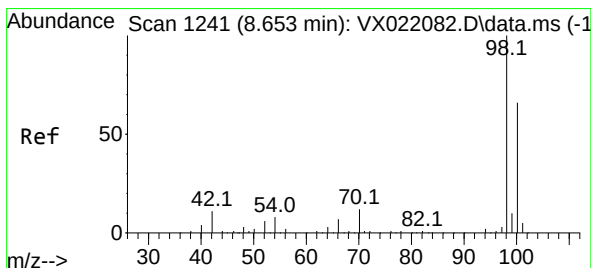
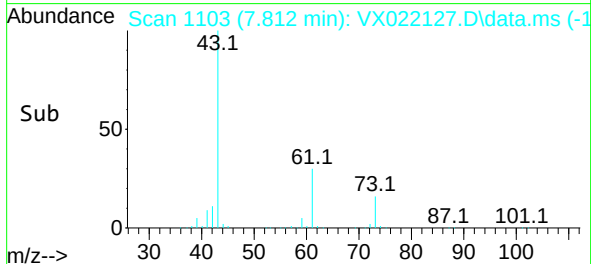
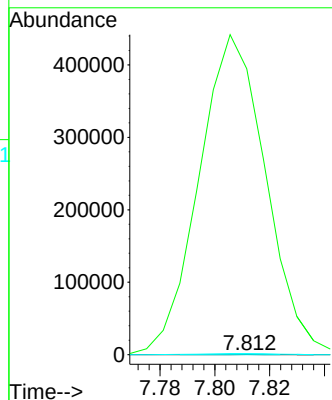
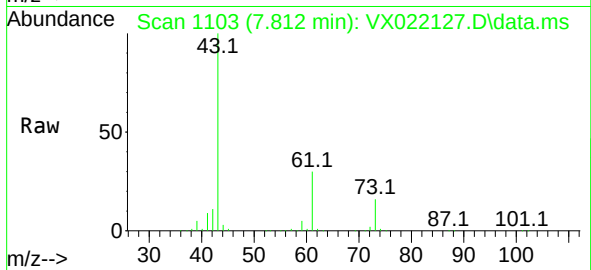
58 2377.9 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB136552TB



#50

Toluene-d8

Concen: 50.37 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022127.D

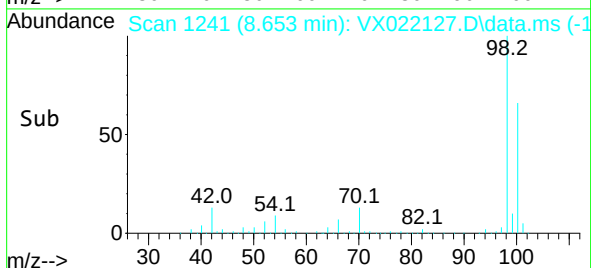
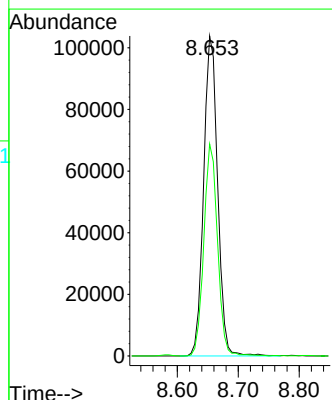
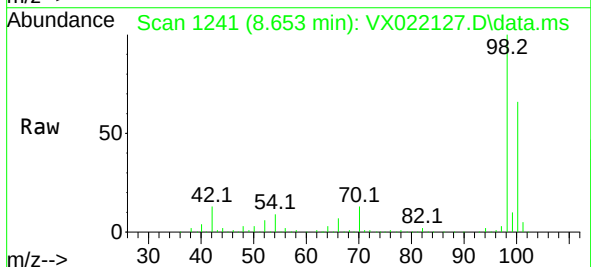
Acq: 21 May 2021 19:48

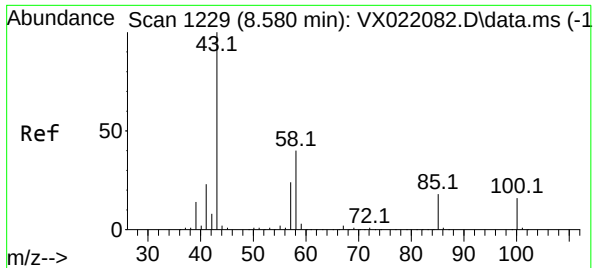
Tgt Ion: 98 Resp: 166059

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9

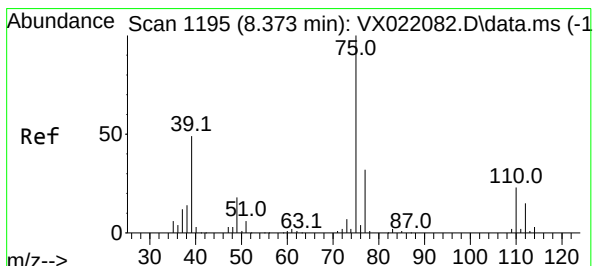
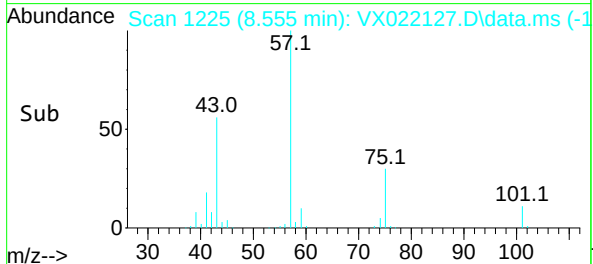
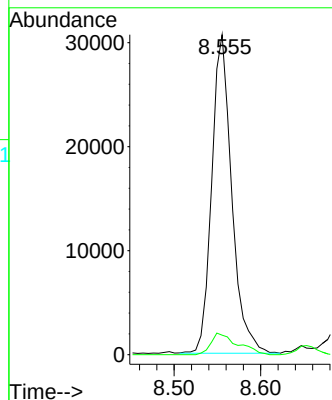
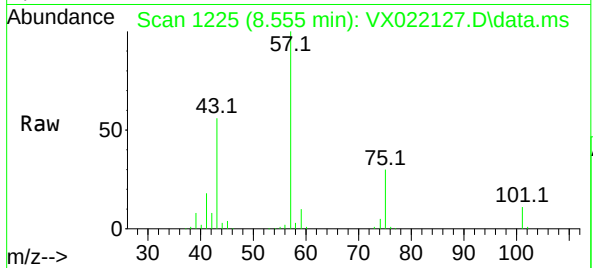




#51
4-Methyl-2-Pentanone
Concen: 32.80 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

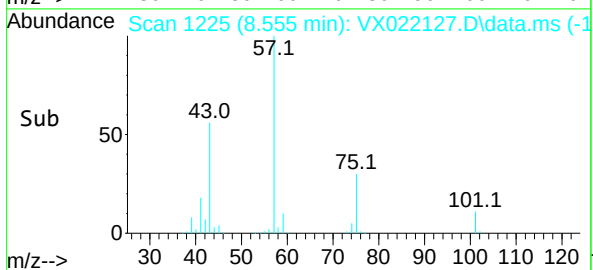
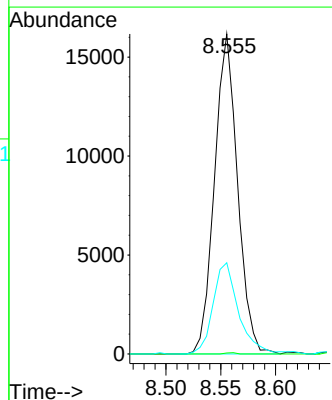
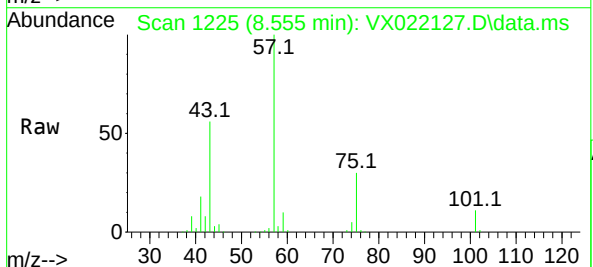
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

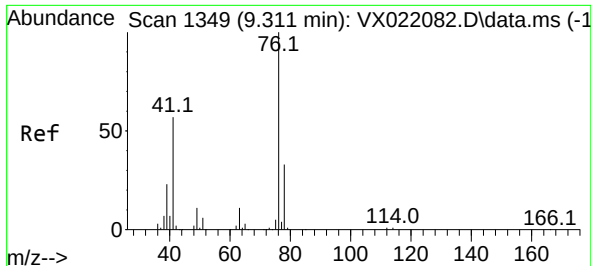
Tgt Ion: 43 Resp: 49160
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 14.34 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 75 Resp: 23667
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 28.5 35.1 52.7#



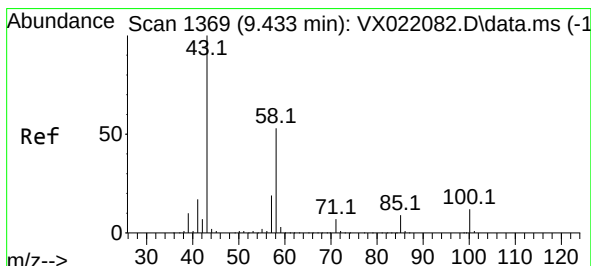
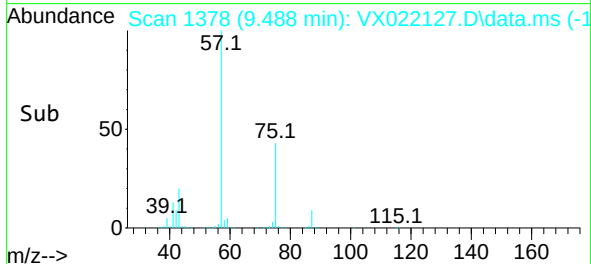
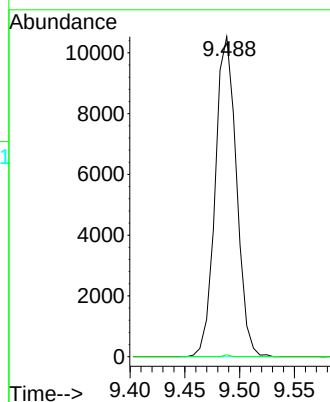
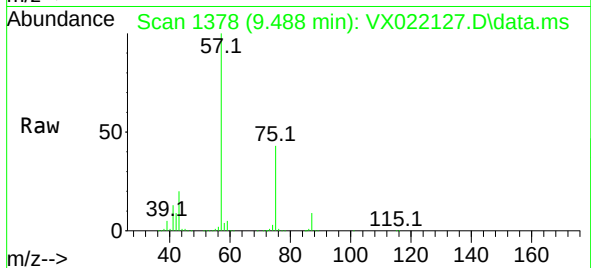


#57

1,3-Dichloropropane
Concen: 8.42 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Instrument :
MSVOA_X
ClientSampled :
PB136552TB

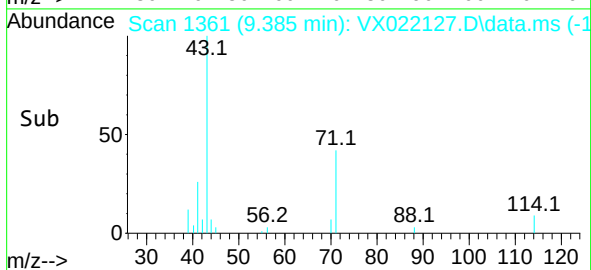
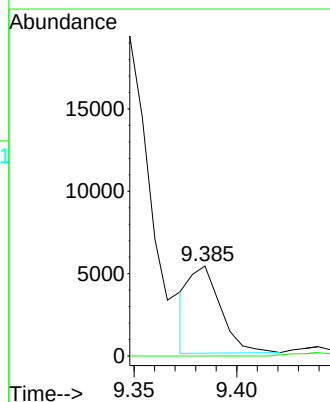
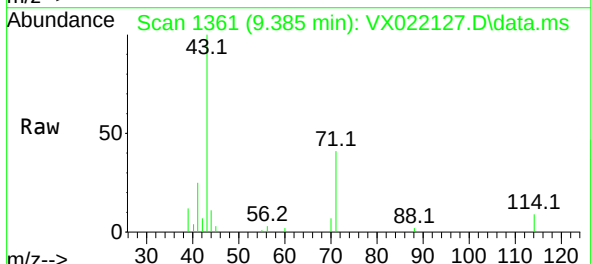
Tgt Ion: 76 Resp: 14189
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

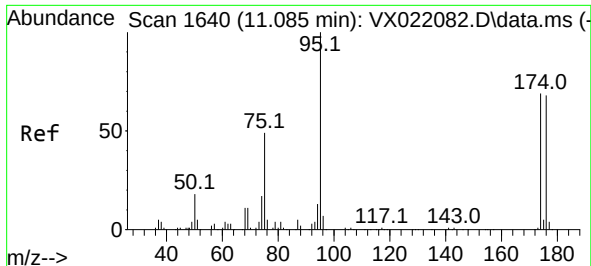


#59

2-Hexanone
Concen: 5.04 ug/l
RT: 9.385 min Scan# 1361
Delta R.T. -0.048 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 43 Resp: 5679
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

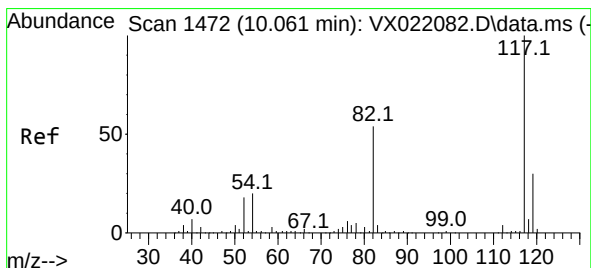
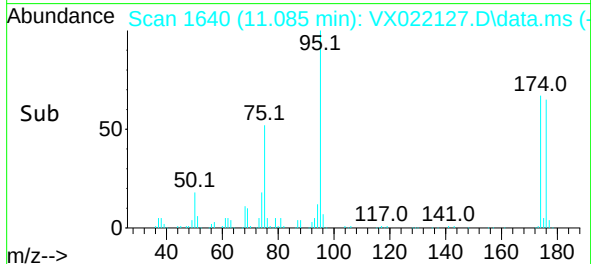
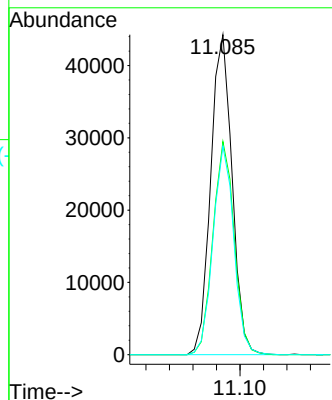
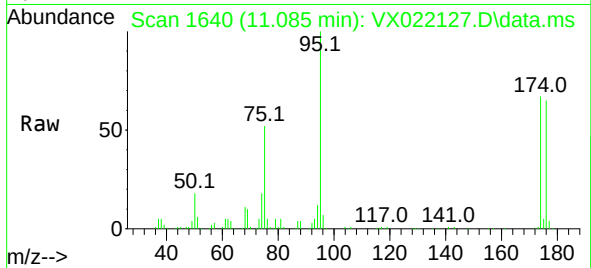




#62
4-Bromofluorobenzene
Concen: 45.87 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

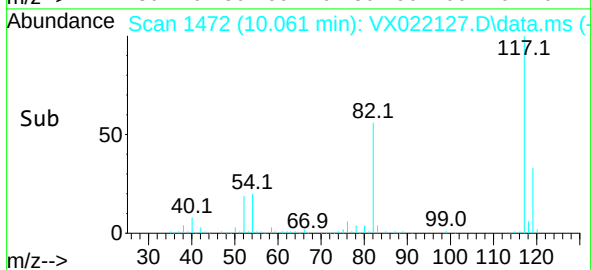
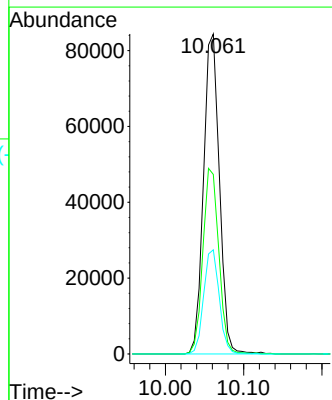
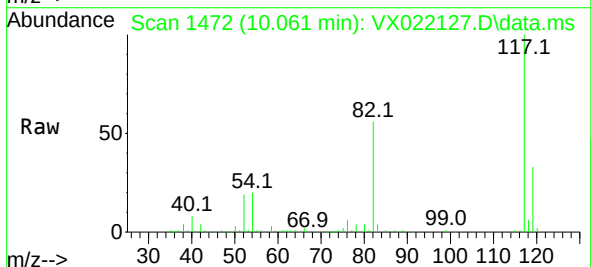
Instrument :
MSVOA_X
ClientSampleId :
PB136552TB

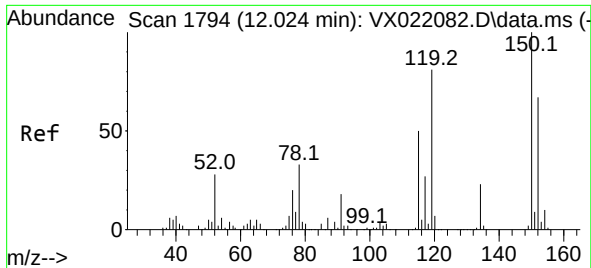
Tgt Ion: 95 Resp: 55886
Ion Ratio Lower Upper
95 100
174 66.5 0.0 154.6
176 63.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

Tgt Ion: 117 Resp: 118864
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 32.5 26.6 39.8

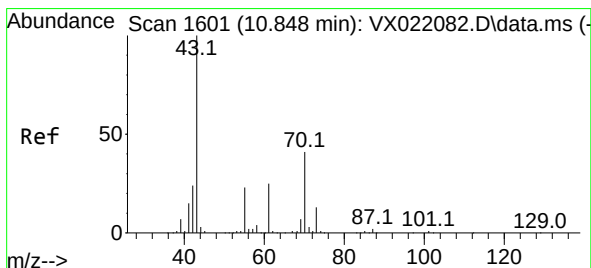
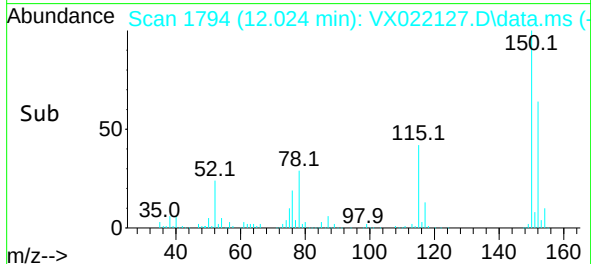
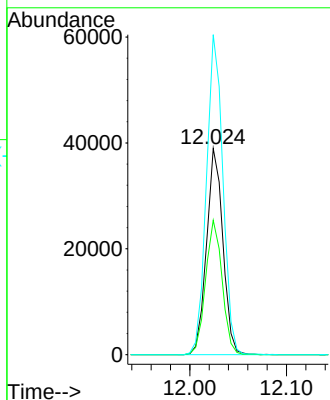
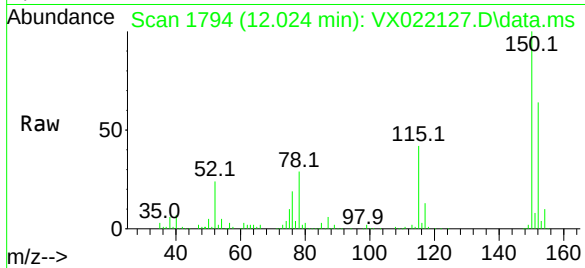




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022127.D
 Acq: 21 May 2021 19:48

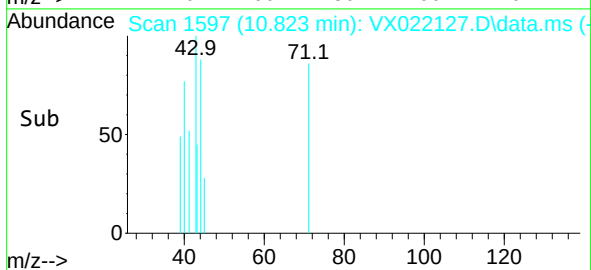
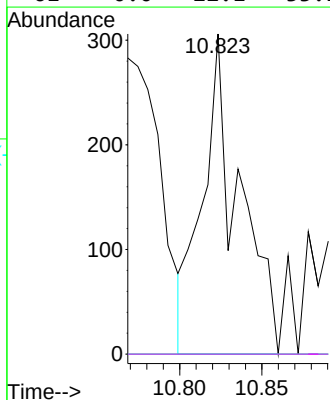
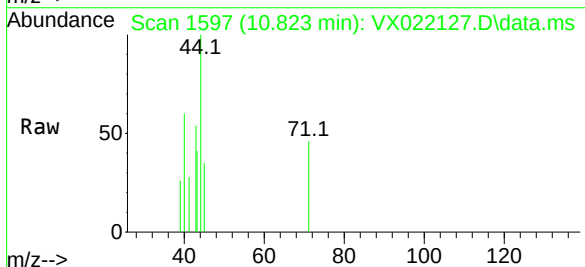
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136552TB

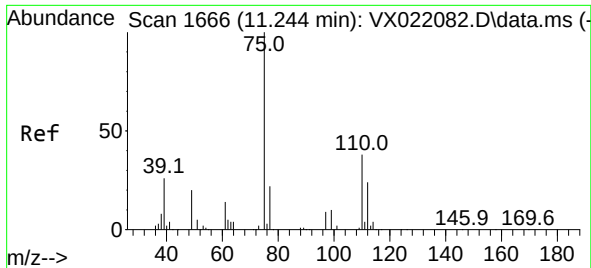
Tgt Ion:152 Resp: 45902
 Ion Ratio Lower Upper
 152 100
 115 66.0 41.1 123.3
 150 155.9 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.26 ug/l
 RT: 10.823 min Scan# 1597
 Delta R.T. -0.025 min
 Lab File: VX022127.D
 Acq: 21 May 2021 19:48

Tgt Ion: 43 Resp: 475
 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#

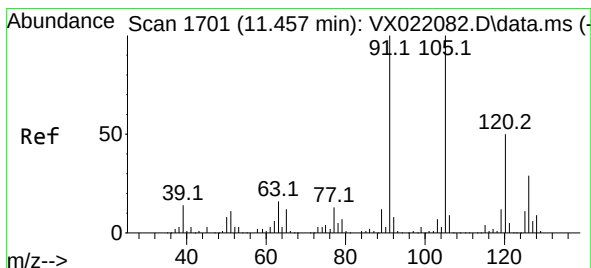
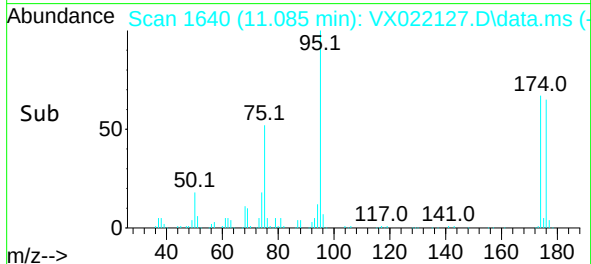
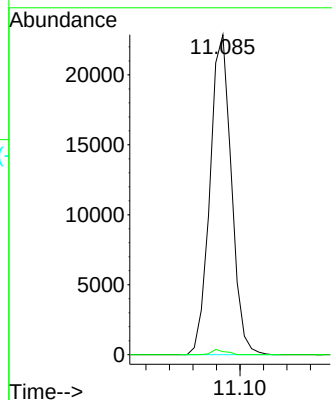
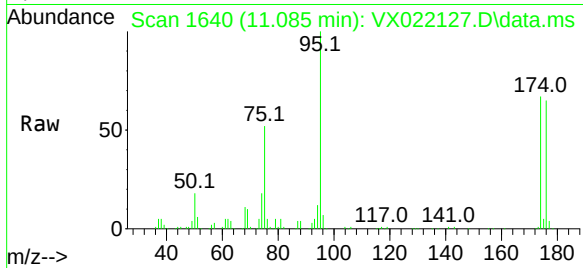




#76
1,2,3-Trichloropropane
Concen: 25.57 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

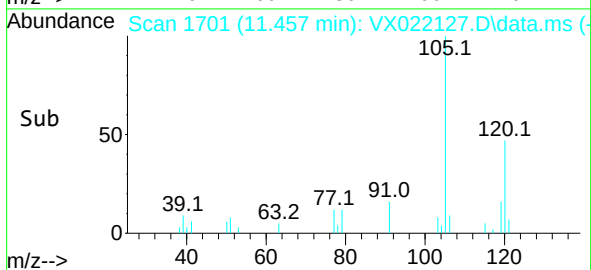
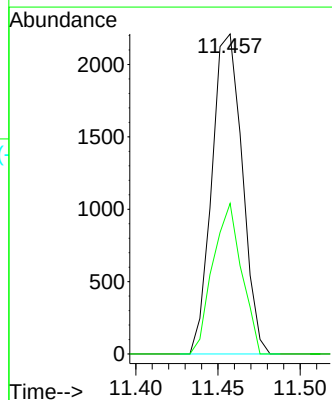
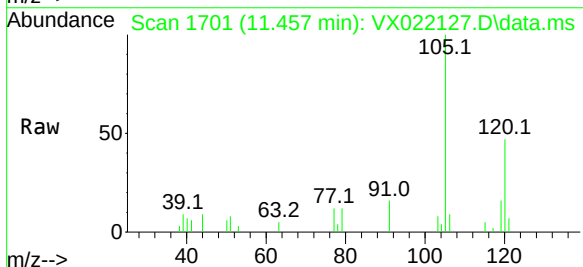
Instrument :
MSVOA_X
ClientSampled :
PB136552TB

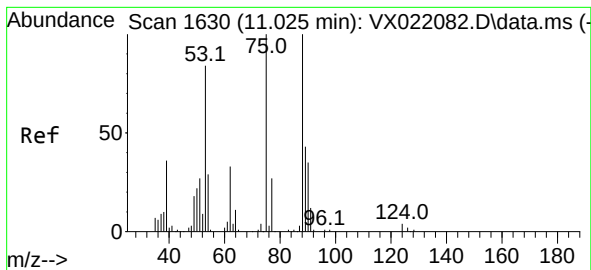
Tgt Ion: 75 Resp: 28961
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.88 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022127.D
Acq: 21 May 2021 19:48

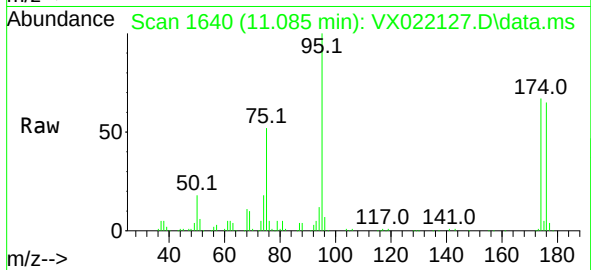
Tgt Ion: 105 Resp: 2838
Ion Ratio Lower Upper
105 100
120 44.6 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.60 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022127.D
 Acq: 21 May 2021 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136552TB



Tgt Ion: 75 Resp: 28961
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

