

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021708.D
 Acq On : 01 Apr 2021 15:17
 Operator : JC/MD
 Sample : PB135474TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135474TB

Quant Time: Apr 02 03:28:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

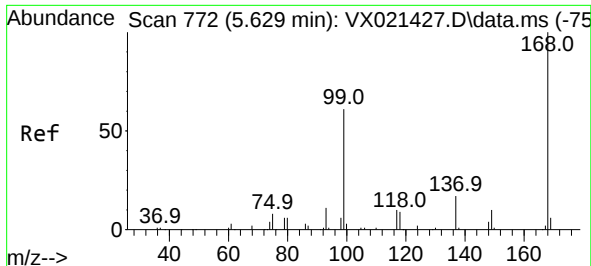
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.635	168	56666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	102403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51977	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	49030	52.00	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.00%			
35) Dibromofluoromethane	5.470	113	38102	52.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.76%			
50) Toluene-d8	8.694	98	138708	53.51	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.02%			
62) 4-Bromofluorobenzene	11.118	95	55431	55.00	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.00%			
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	1050	1.51	ug/l #	85
5) Bromomethane	1.634	94	79	0.31	ug/l #	2
10) Methyl Iodide	2.499	142	18	6.68	ug/l #	42
11) Tert butyl alcohol	2.993	59	416	2.67	ug/l #	73
13) Acrolein	2.182	56	38	4.77	ug/l #	71
16) Acetone	2.423	43	9933	27.86	ug/l	89
18) Methyl Acetate	2.758	43	694	0.67	ug/l #	65
20) Methylene Chloride	2.835	84	3107	4.47	ug/l #	78
25) 2-Butanone	4.641	43	3282	6.07	ug/l #	83
29) Tetrahydrofuran	5.105	42	353	1.01	ug/l #	32
31) Cyclohexane	5.629	56	1548	1.49	ug/l #	53
36) 1,1-Dichloropropene	5.635	75	5201	5.18	ug/l #	50
38) Carbon Tetrachloride	5.635	117	6167	5.72	ug/l #	17
41) Methacrylonitrile	5.111	41	283	0.42	ug/l #	39
43) Isopropyl Acetate	6.417	43	9232	4.90	ug/l #	90
48) Methyl methacrylate	7.653	41	2739	2.73	ug/l #	10
49) 1,4-Dioxane	7.841	88	38	2.11	ug/l #	1
51) 4-Methyl-2-Pentanone	8.594	43	34089	29.42	ug/l #	44
52) Toluene	8.771	92	353	0.20	ug/l	81
54) cis-1,3-Dichloropropene	8.594	75	13562	11.02	ug/l #	75
56) Ethyl methacrylate	9.282	69	132	2.18	ug/l #	1
57) 1,3-Dichloropropane	9.524	76	8626	6.79	ug/l #	42
59) 2-Hexanone	9.524	43	135808	156.09	ug/l #	42
76) 1,2,3-Trichloropropane	11.118	75	30909	25.54	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30909	77.81	ug/l #	12

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

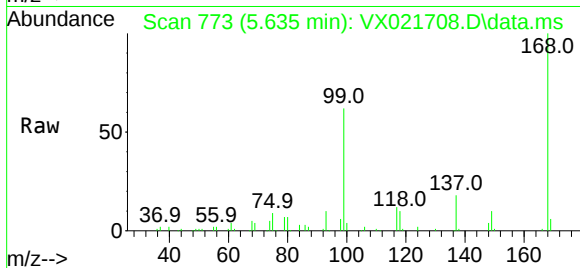
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
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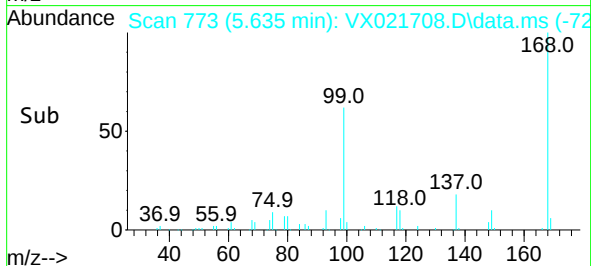
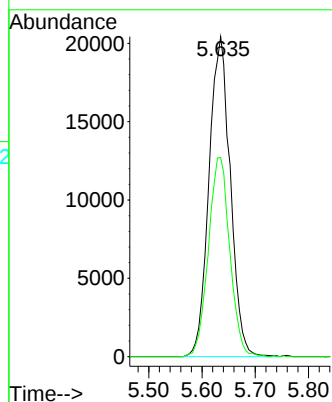


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Instrument :
MSVOA_X
ClientSampled :
PB135474TB

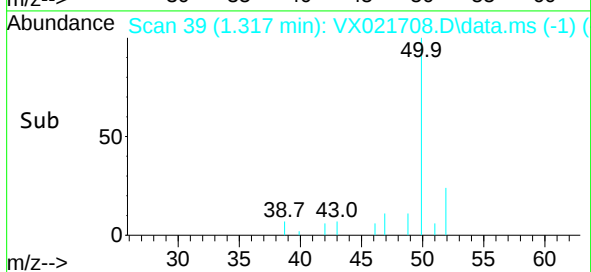
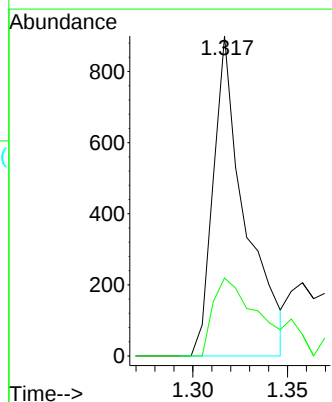
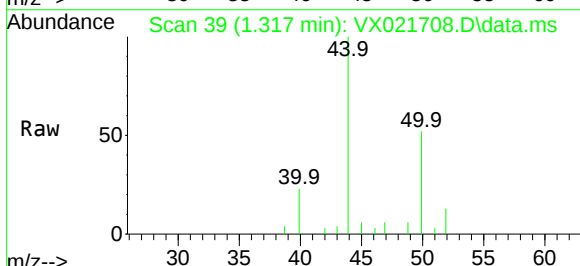


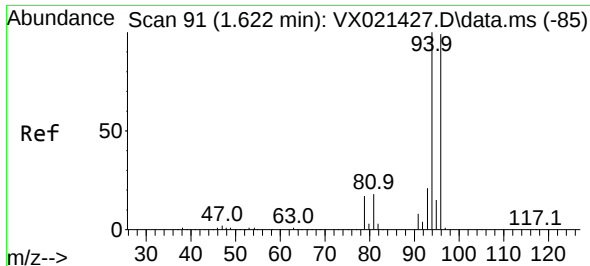
Tgt Ion:168 Resp: 56666
Ion Ratio Lower Upper
168 100
99 62.2 45.8 68.6



#3
Chloromethane
Concen: 1.51 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 24.3 26.4 39.6#

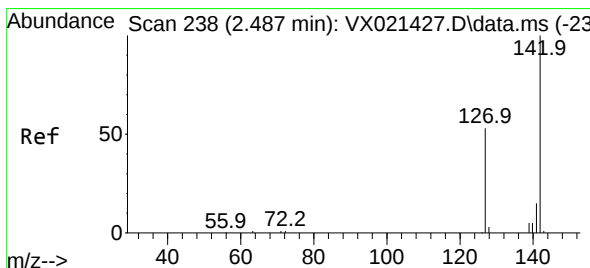
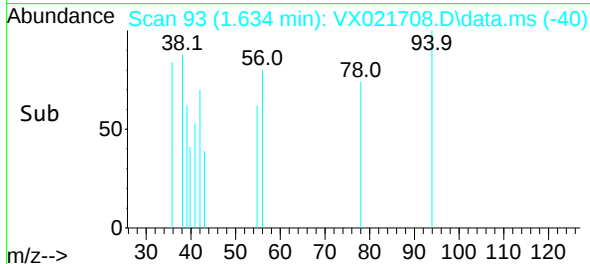
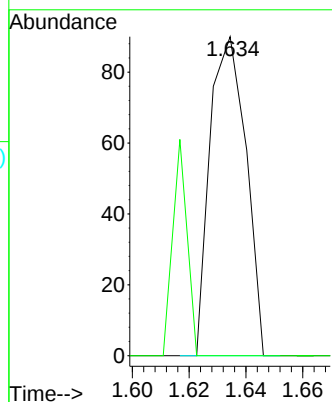
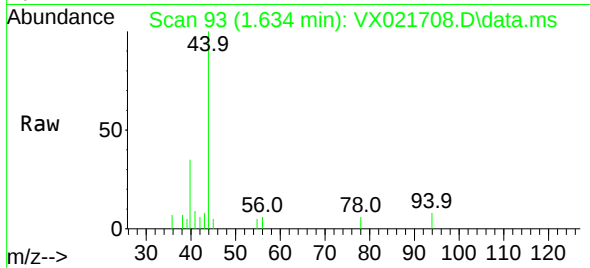




#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

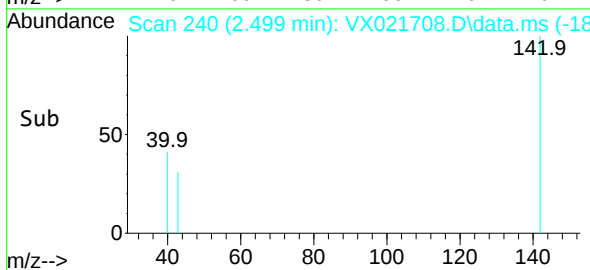
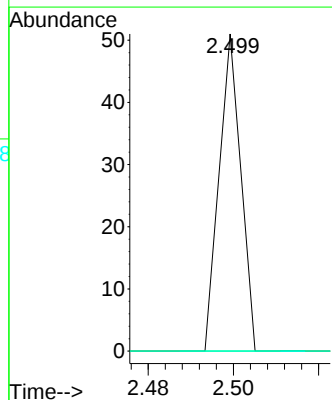
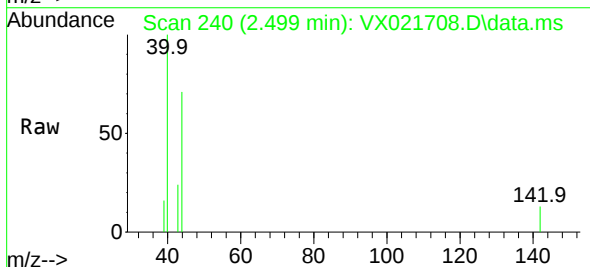
Instrument :
MSVOA_X
ClientSampled :
PB135474TB

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 142 Resp: 18
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

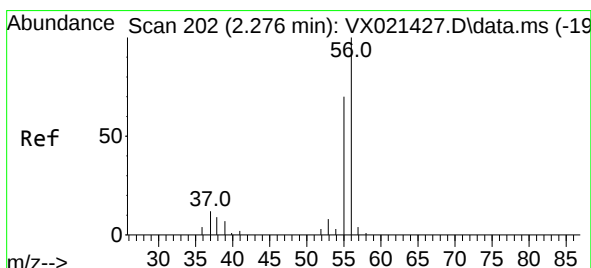
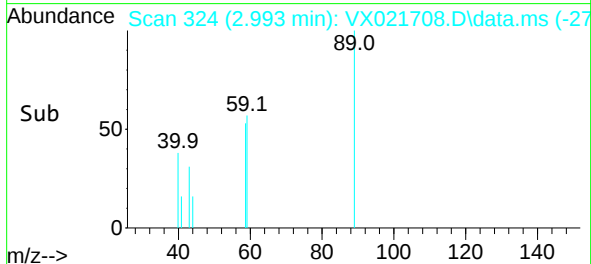
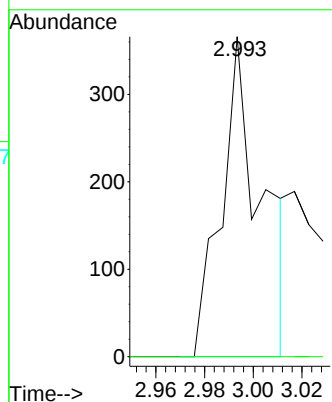
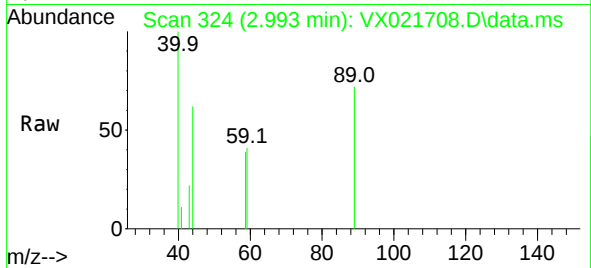




#11
Tert butyl alcohol
Concen: 2.67 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

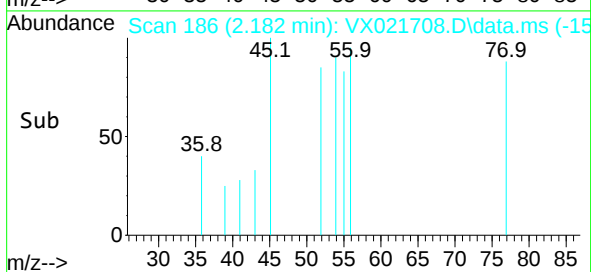
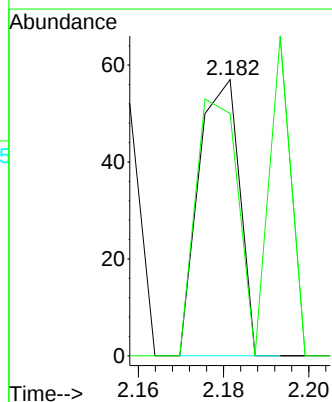
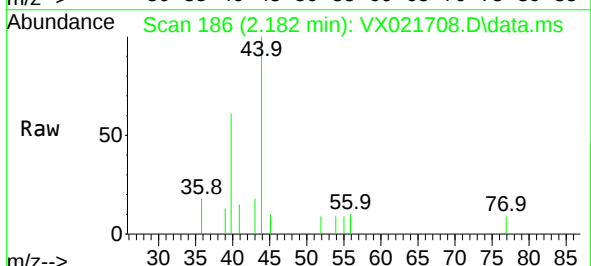
Instrument :
MSVOA_X
ClientSampled :
PB135474TB

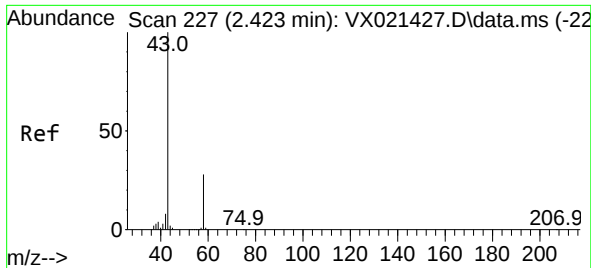
Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.77 ug/l
RT: 2.182 min Scan# 186
Delta R.T. -0.094 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

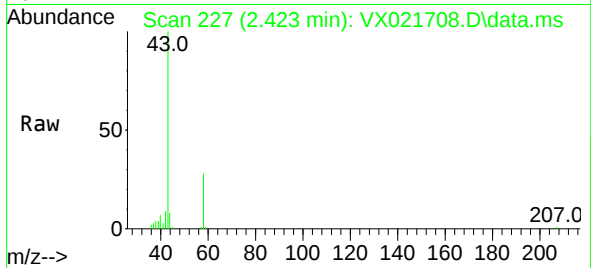
Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 94.7 56.4 84.6#



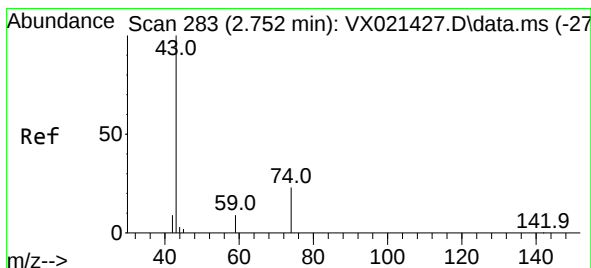
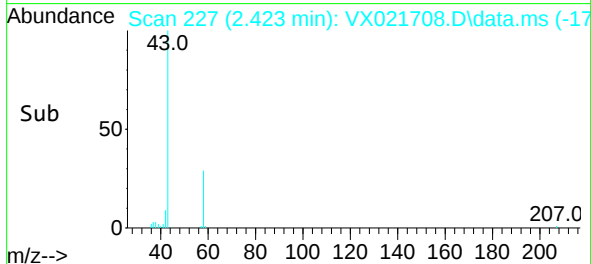
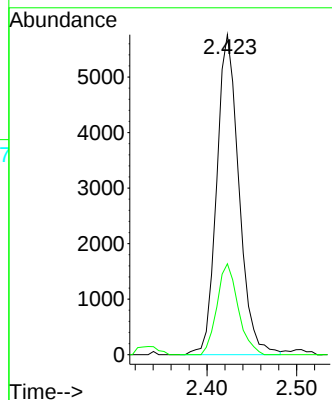


#16
Acetone
Concen: 27.86 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Instrument :
MSVOA_X
ClientSampled :
PB135474TB

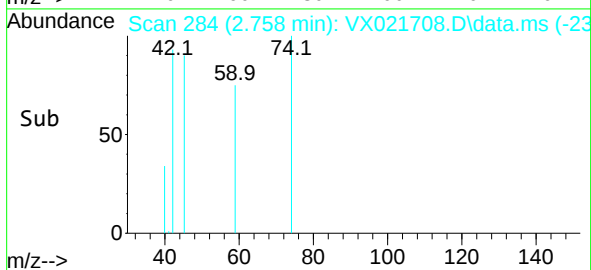
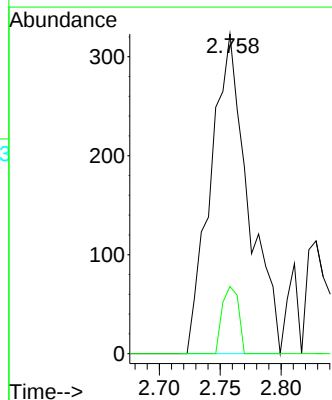
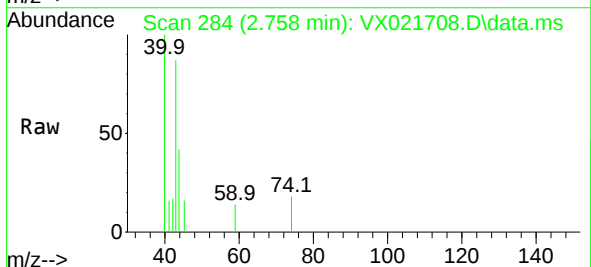


Tgt Ion: 43 Resp: 9933
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
74 9.1 21.9 32.9#





#20

Methylene Chloride

Concen: 4.47 ug/l

RT: 2.835 min Scan# 297

Delta R.T. 0.001 min

Lab File: VX021708.D

Acq: 01 Apr 2021 15:17

Tgt Ion: 84 Resp: 3107

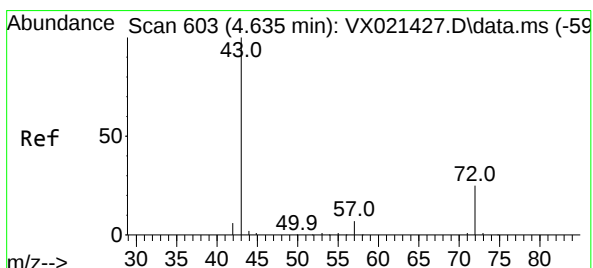
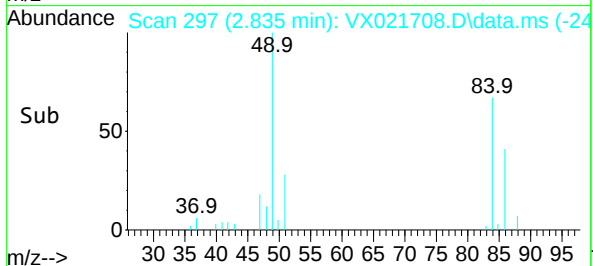
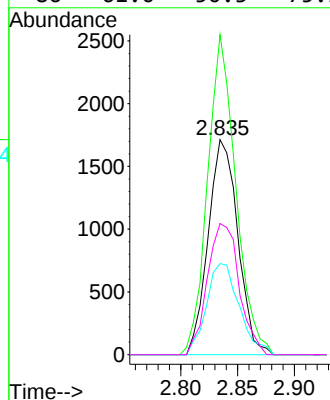
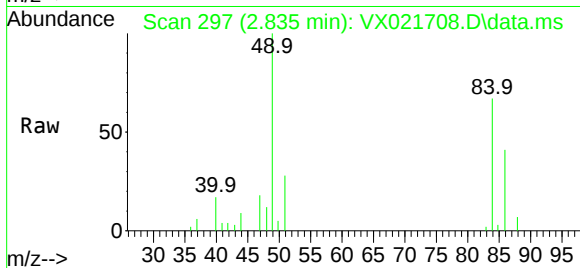
Ion Ratio Lower Upper

84 100

49 148.9 88.6 132.8#

51 42.3 27.0 40.6#

86 61.0 50.3 75.5



#25

2-Butanone

Concen: 6.07 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021708.D

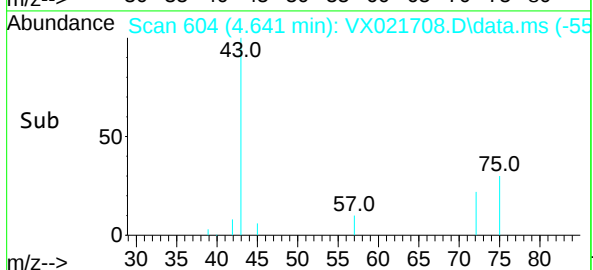
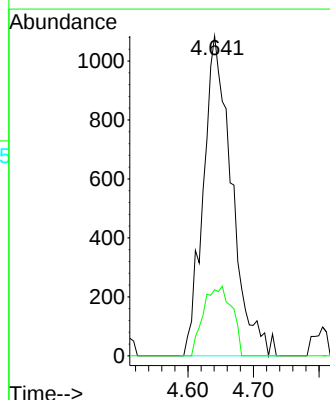
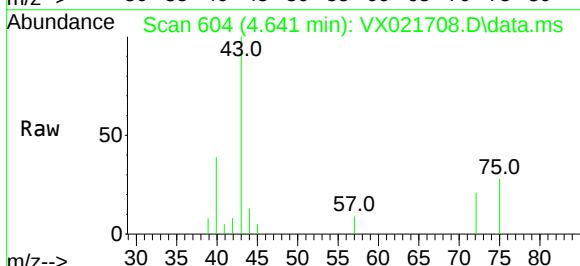
Acq: 01 Apr 2021 15:17

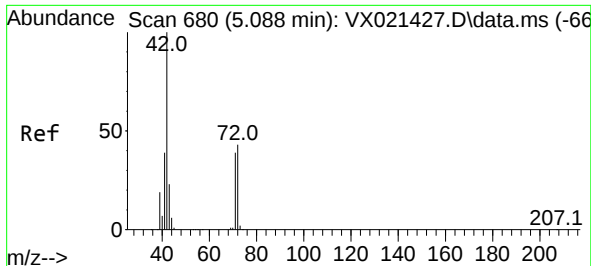
Tgt Ion: 43 Resp: 3282

Ion Ratio Lower Upper

43 100

72 20.6 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.01 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021708.D

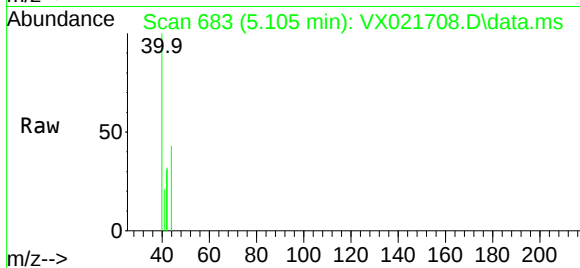
Acq: 01 Apr 2021 15:17

Instrument :

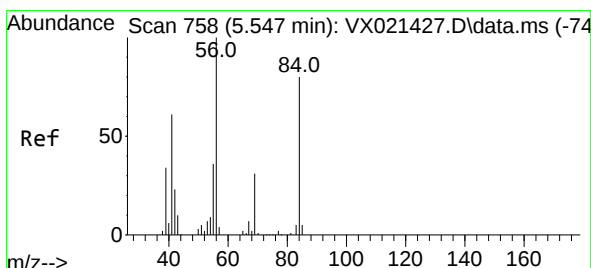
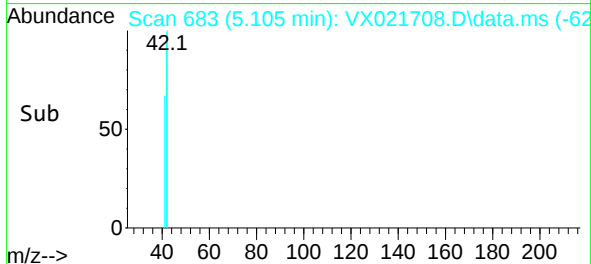
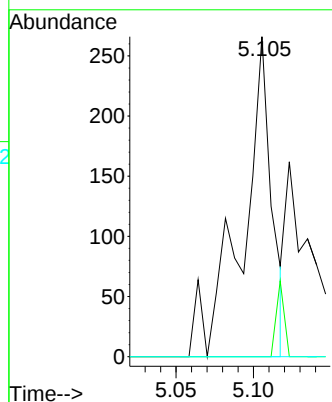
MSVOA_X

ClientSampleId :

PB135474TB



Tgt Ion: 42	Resp: 353
Ion Ratio	Lower Upper
42	100
72	6.2 41.7 62.5#
71	0.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.49 ug/l

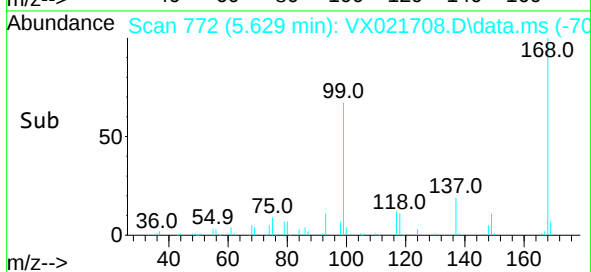
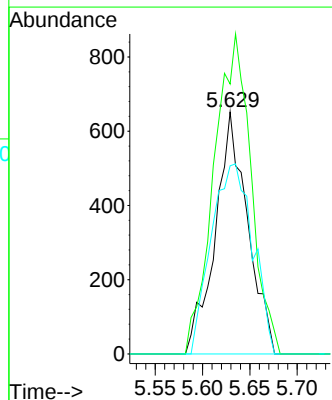
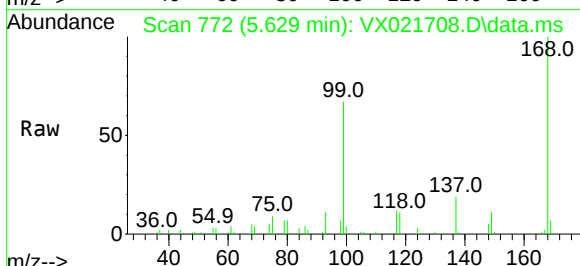
RT: 5.629 min Scan# 772

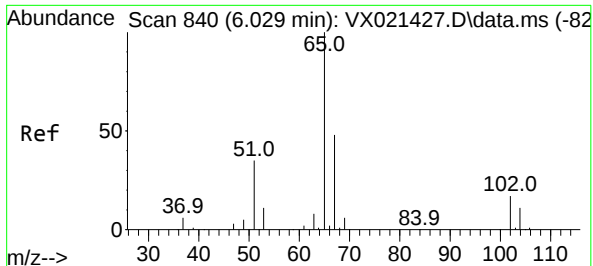
Delta R.T. 0.082 min

Lab File: VX021708.D

Acq: 01 Apr 2021 15:17

Tgt Ion: 56	Resp: 1548
Ion Ratio	Lower Upper
56	100
69	111.5 25.3 37.9#
84	77.8 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.00 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021708.D

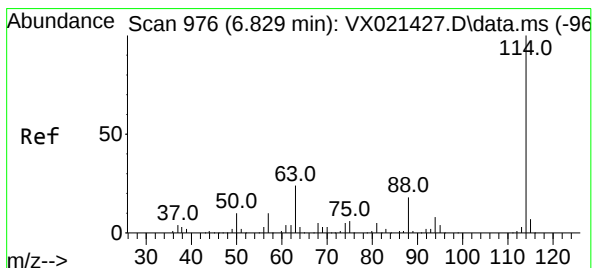
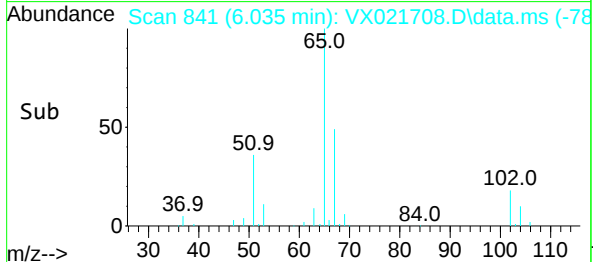
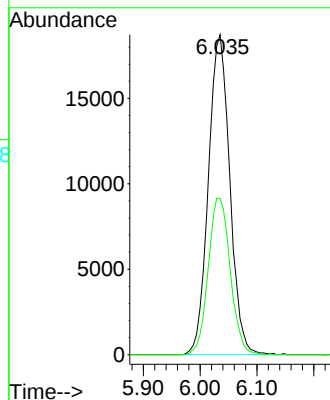
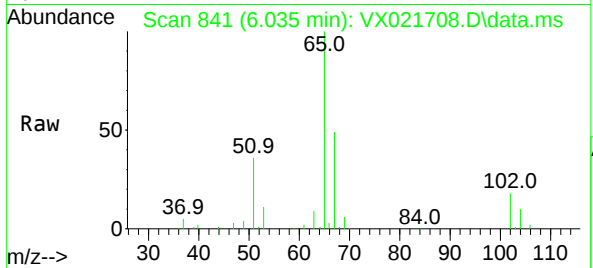
Acq: 01 Apr 2021 15:17

Tgt Ion: 65 Resp: 49030

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021708.D

Acq: 01 Apr 2021 15:17

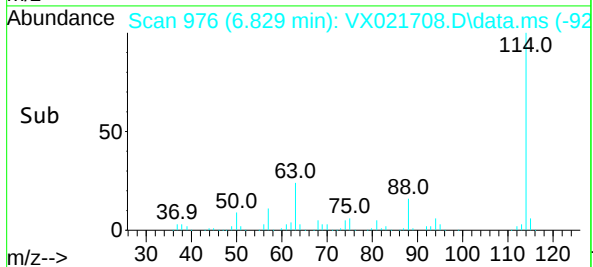
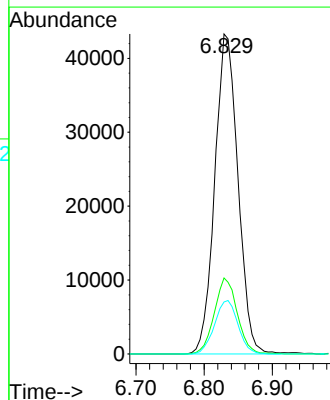
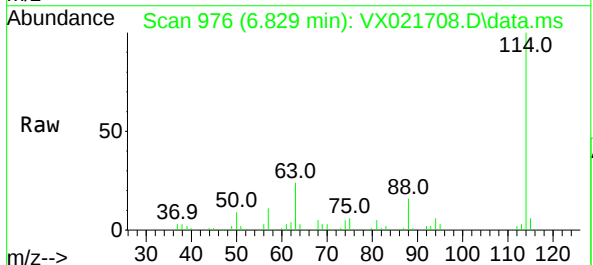
Tgt Ion: 114 Resp: 102403

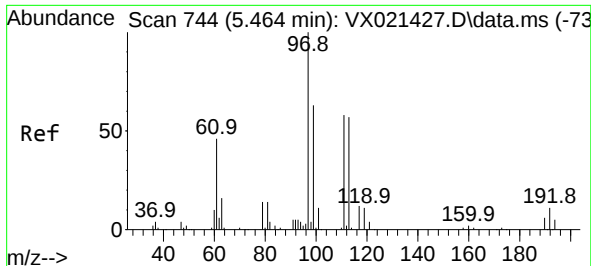
Ion Ratio Lower Upper

114 100

63 23.8 0.0 40.8

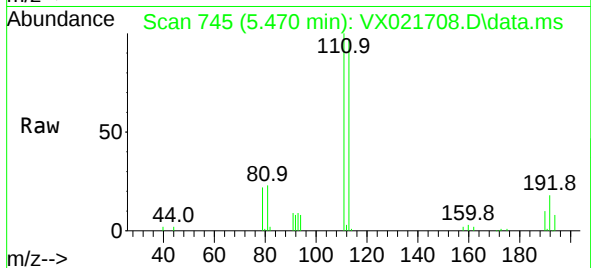
88 16.3 0.0 32.8



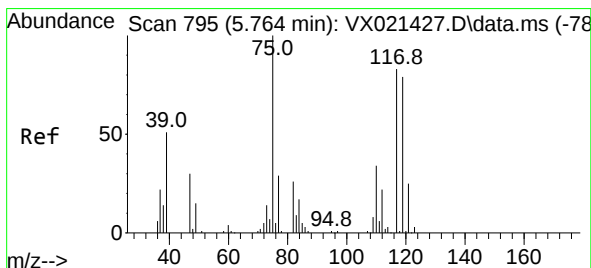
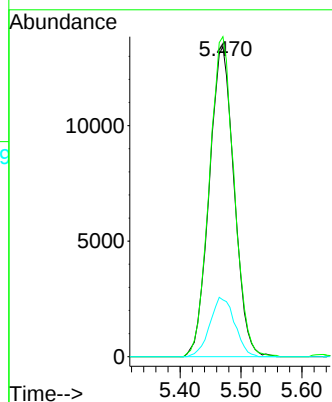
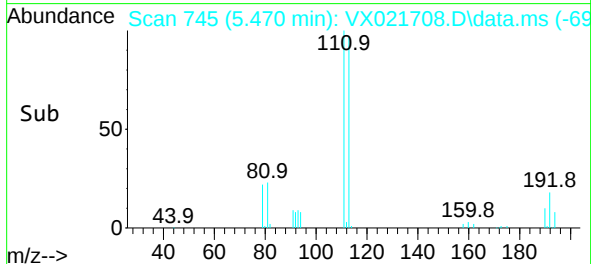


#35
Dibromofluoromethane
Concen: 52.38 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

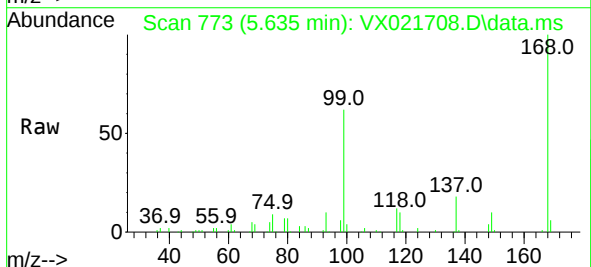
Instrument :
MSVOA_X
ClientSampleId :
PB135474TB



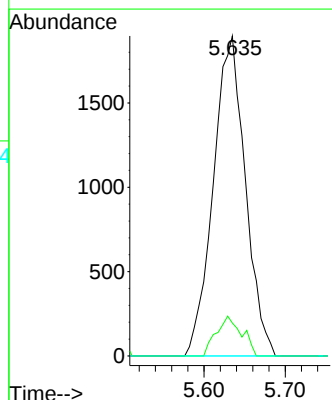
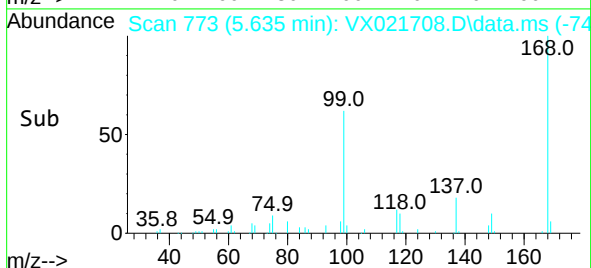
Tgt Ion:113 Resp: 38102
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.1 16.7 25.1

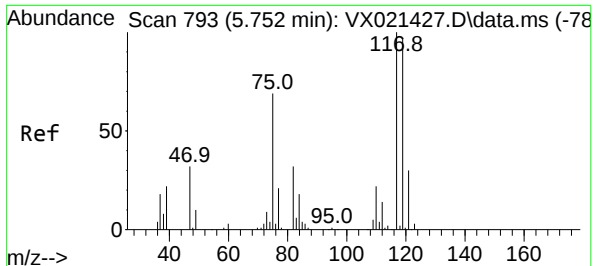


#36
1,1-Dichloropropene
Concen: 5.18 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.129 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17



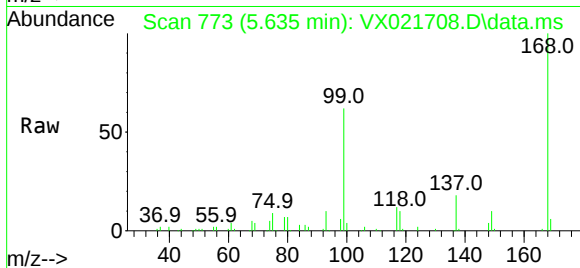
Tgt Ion: 75 Resp: 5201
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



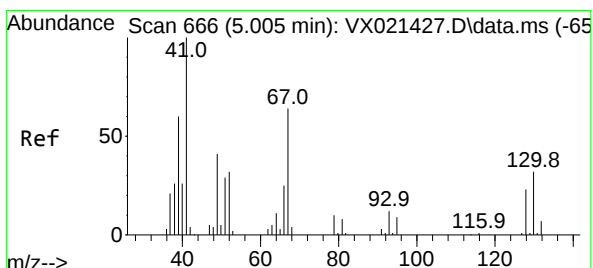
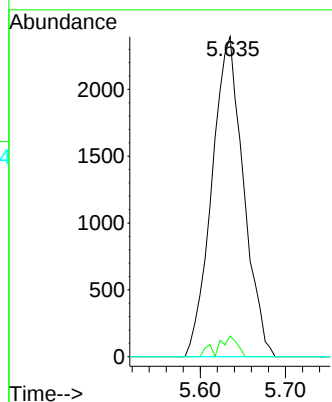
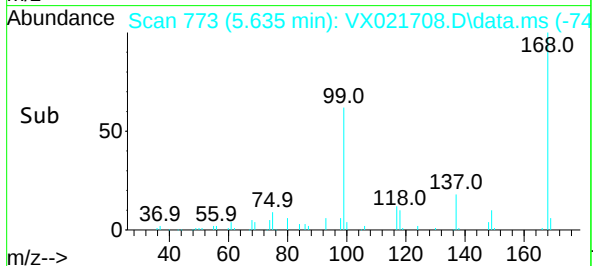


#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.117 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

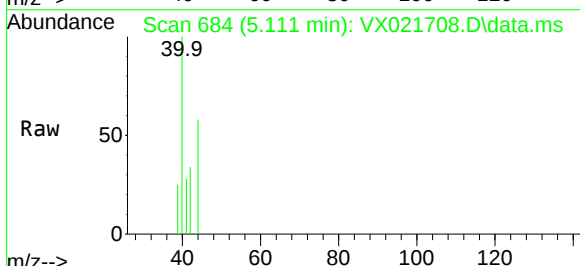
Instrument :
MSVOA_X
ClientSampleId :
PB135474TB



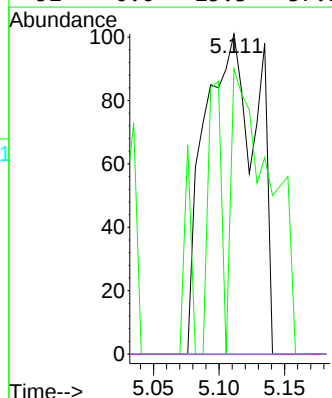
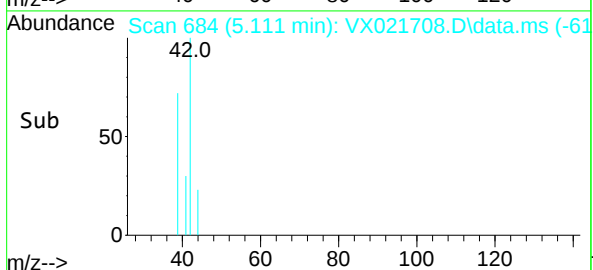
Tgt Ion:117 Resp: 6167
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

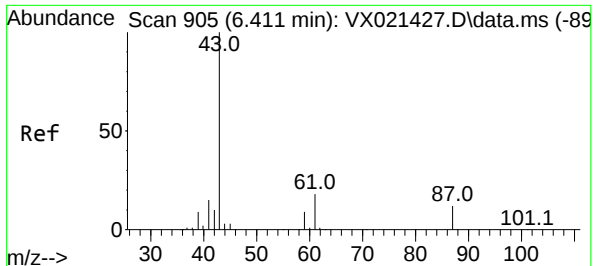


#41
Methacrylonitrile
Concen: 0.42 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.106 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17



Tgt Ion: 41 Resp: 283
Ion Ratio Lower Upper
41 100
39 65.4 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

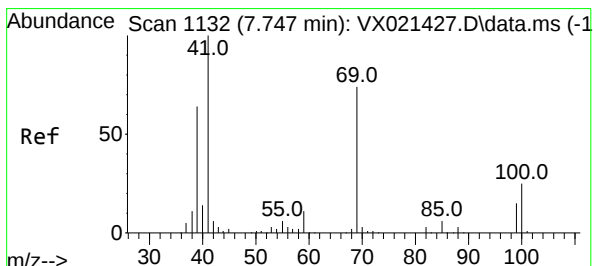
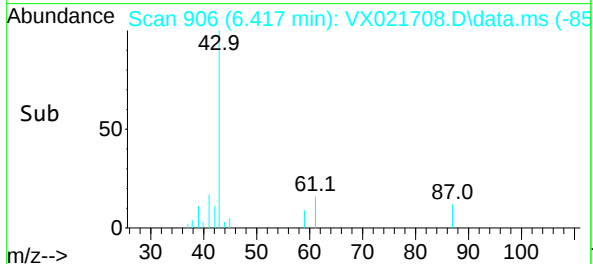
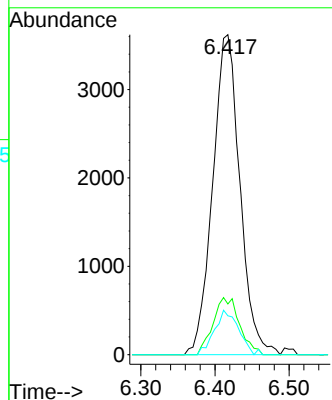
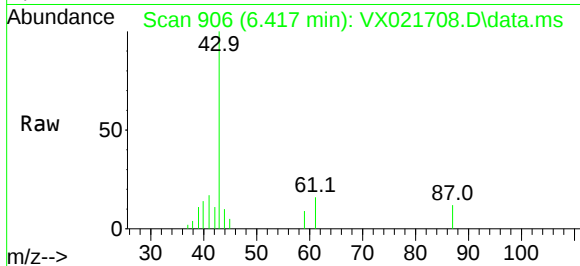




#43
Isopropyl Acetate
Concen: 4.90 ug/l
RT: 6.417 min Scan# 906
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

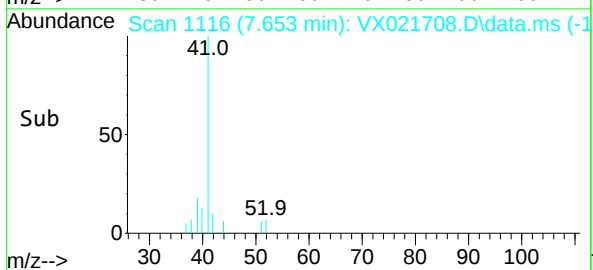
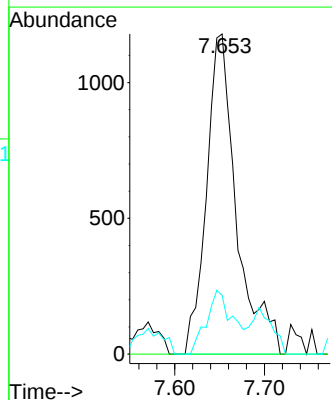
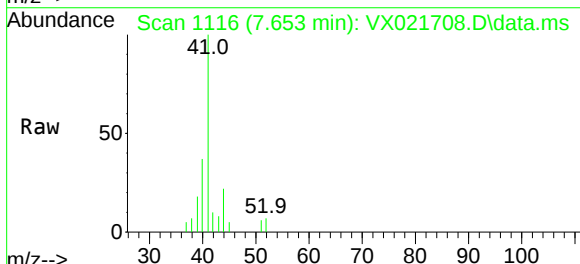
Instrument :
MSVOA_X
ClientSampleId :
PB135474TB

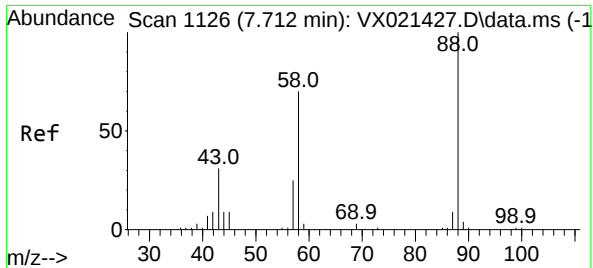
Tgt Ion: 43 Resp: 9232
Ion Ratio Lower Upper
43 100
61 17.4 18.2 27.4#
87 12.4 12.5 18.7#



#48
Methyl methacrylate
Concen: 2.73 ug/l
RT: 7.653 min Scan# 1116
Delta R.T. -0.094 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 41 Resp: 2739
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: 2.11 ug/l

RT: 7.841 min Scan# 1148

Delta R.T. 0.129 min

Lab File: VX021708.D

Acq: 01 Apr 2021 15:17

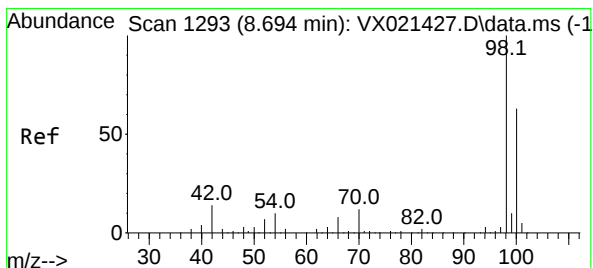
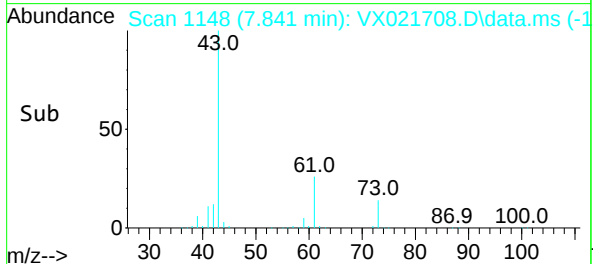
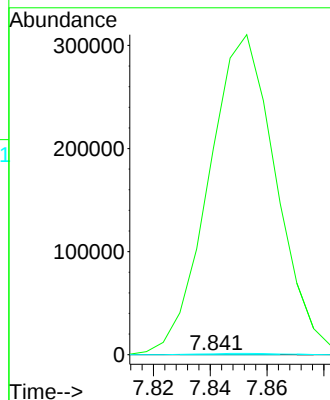
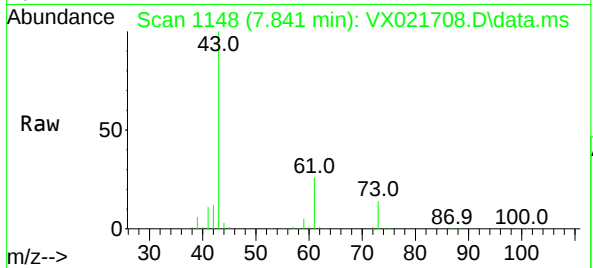
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 1366344.7 23.2 34.8#

58 6355.3 55.0 82.4#



#50

Toluene-d8

Concen: 53.51 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021708.D

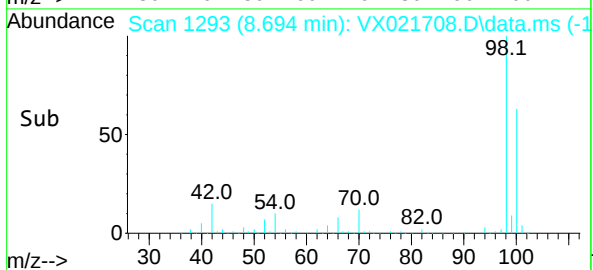
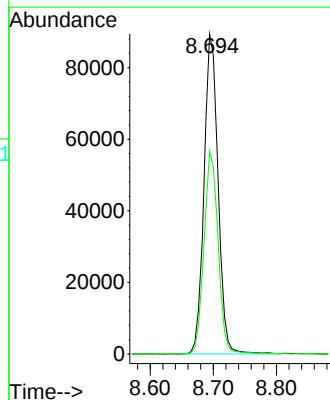
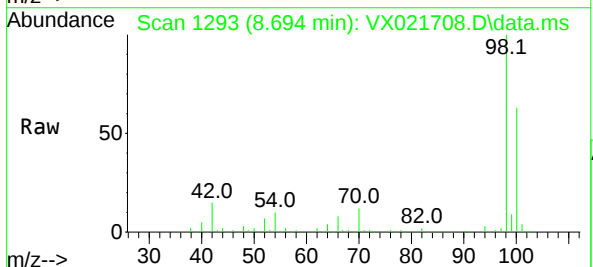
Acq: 01 Apr 2021 15:17

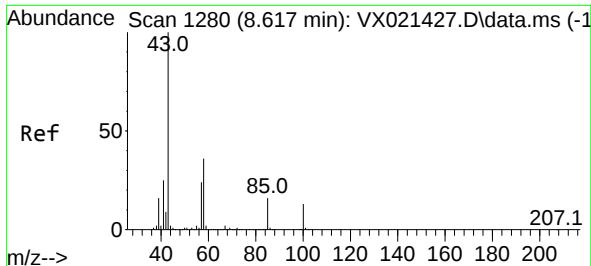
Tgt Ion: 98 Resp: 138708

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9

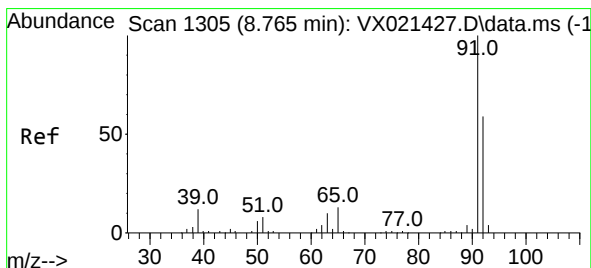
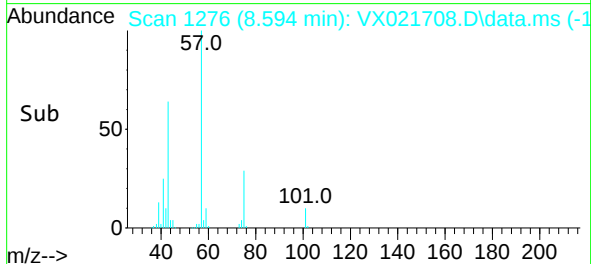
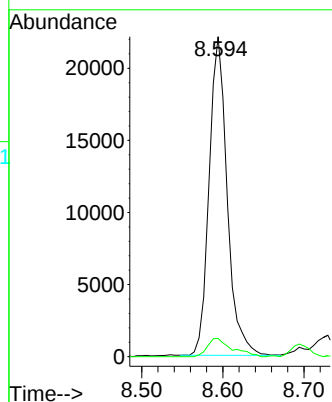
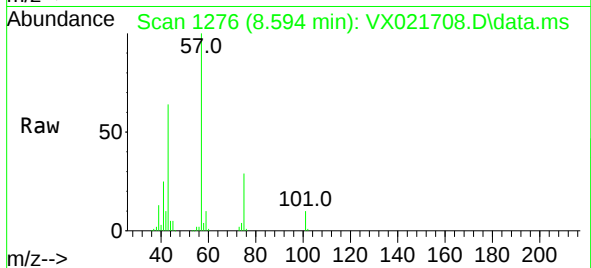




#51
4-Methyl-2-Pentanone
Concen: 29.42 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

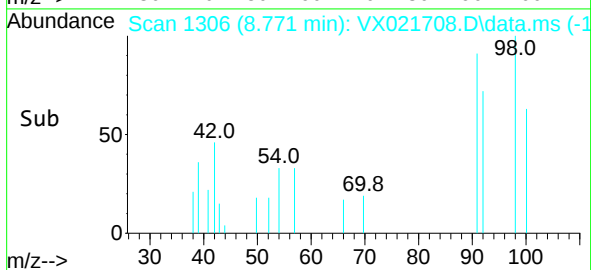
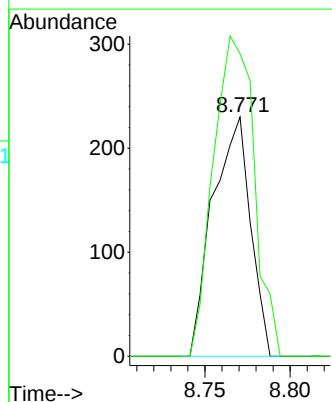
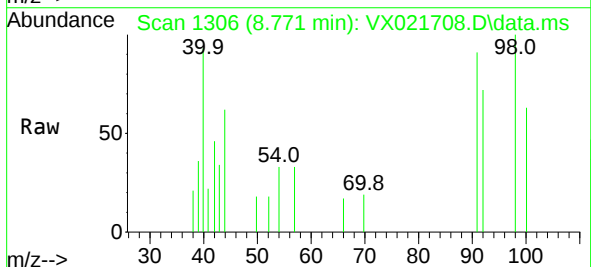
Instrument :
MSVOA_X
ClientSampled :
PB135474TB

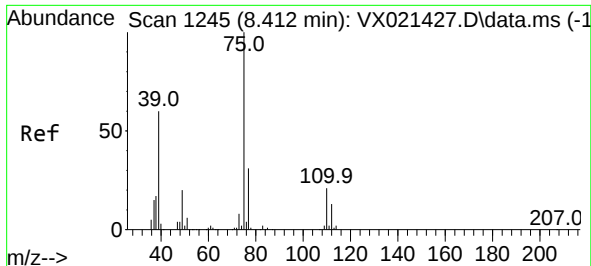
Tgt Ion: 43 Resp: 34089
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#52
Toluene
Concen: 0.20 ug/l
RT: 8.771 min Scan# 1306
Delta R.T. 0.006 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

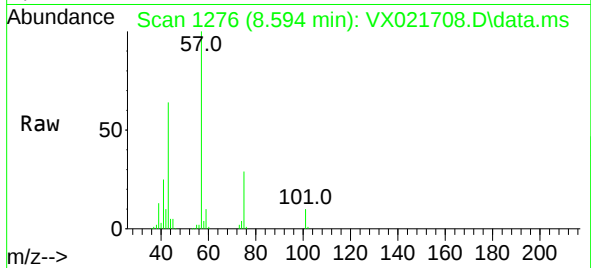
Tgt Ion: 92 Resp: 353
Ion Ratio Lower Upper
92 100
91 145.6 137.1 205.7



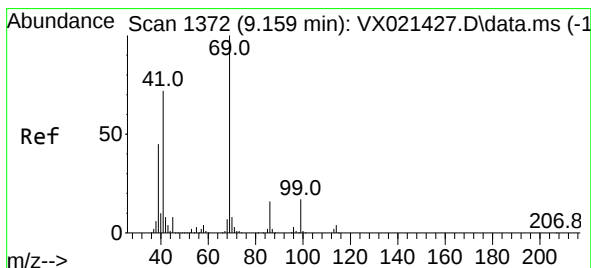
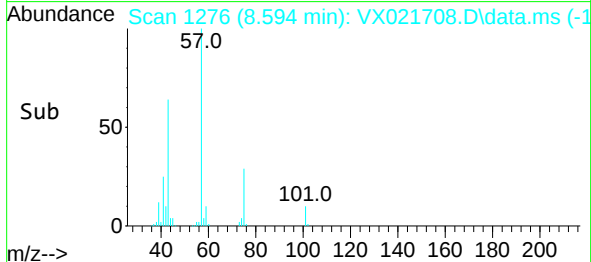
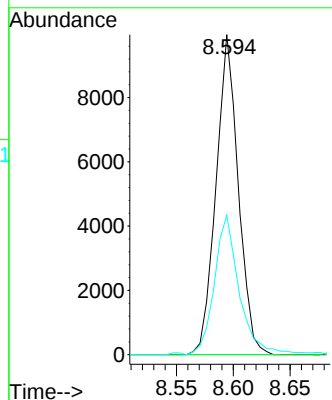


#54
cis-1,3-Dichloropropene
Concen: 11.02 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Instrument :
MSVOA_X
ClientSampleId :
PB135474TB

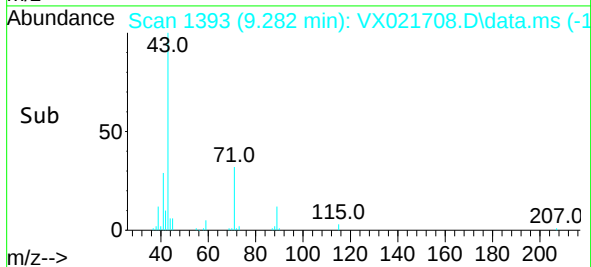
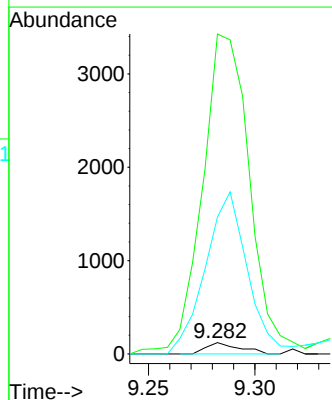
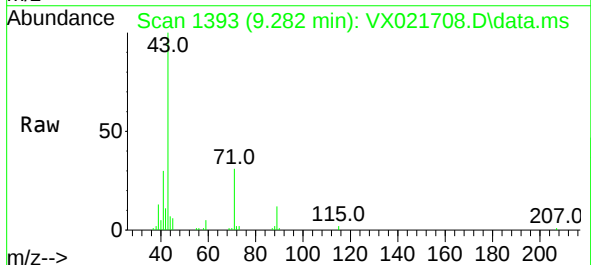


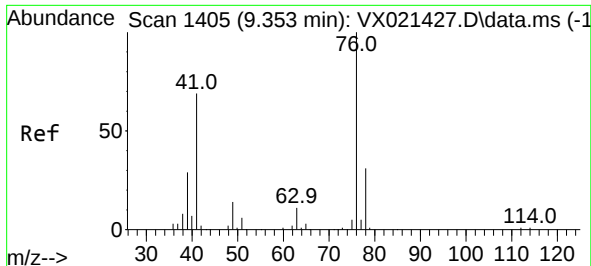
Tgt Ion: 75 Resp: 13562
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 43.1 35.1 52.7



#56
Ethyl methacrylate
Concen: 2.18 ug/l
RT: 9.282 min Scan# 1393
Delta R.T. 0.123 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 69 Resp: 132
Ion Ratio Lower Upper
69 100
41 4015.2 46.8 70.2#
39 1810.6 24.7 37.1#

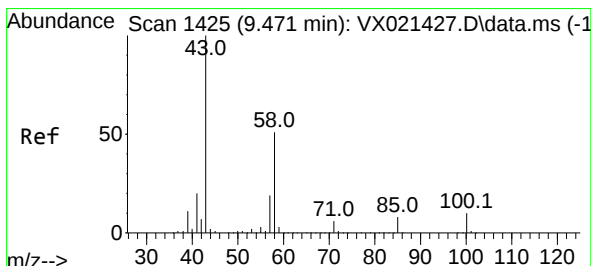
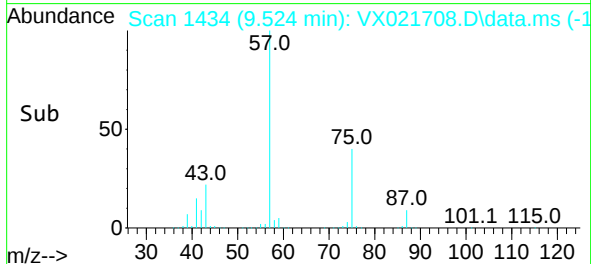
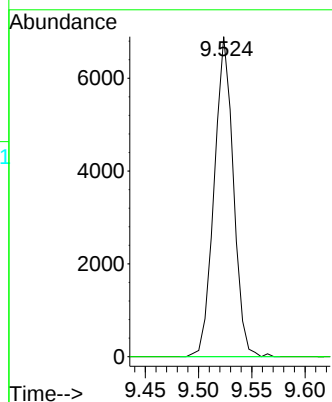
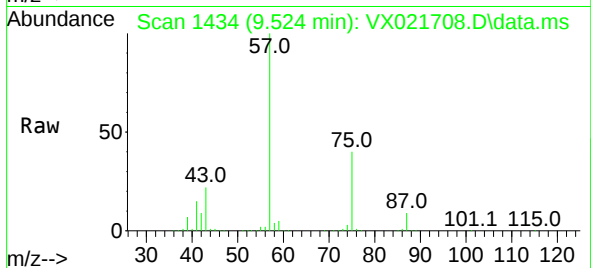




#57
1,3-Dichloropropane
Concen: 6.79 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

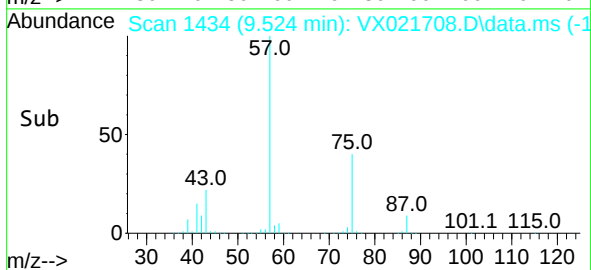
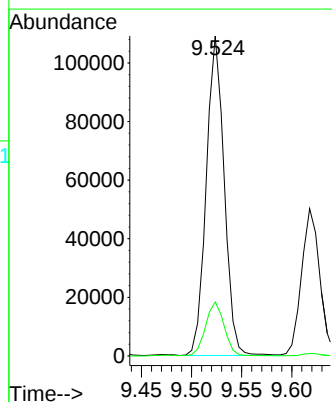
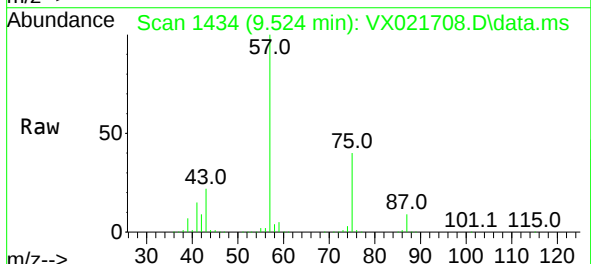
Instrument :
MSVOA_X
ClientSampled :
PB135474TB

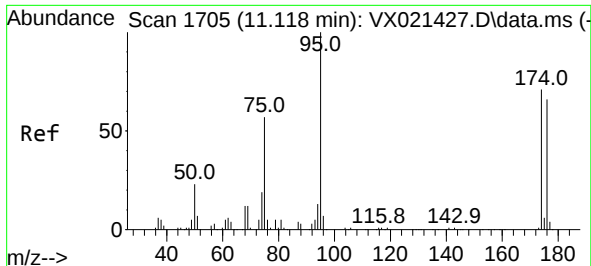
Tgt Ion: 76 Resp: 8626
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 156.09 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 43 Resp: 135808
Ion Ratio Lower Upper
43 100
58 17.4 30.9 92.8#

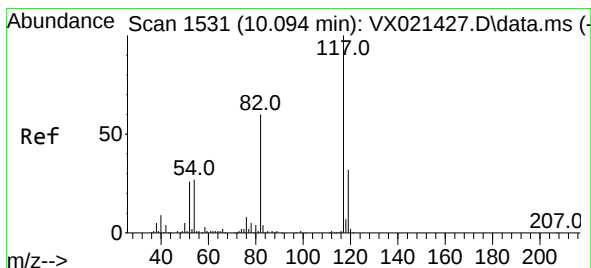
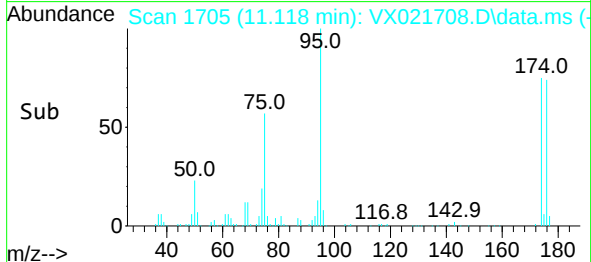
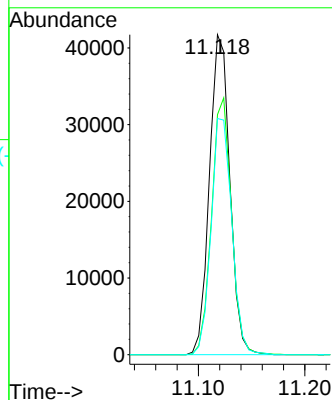
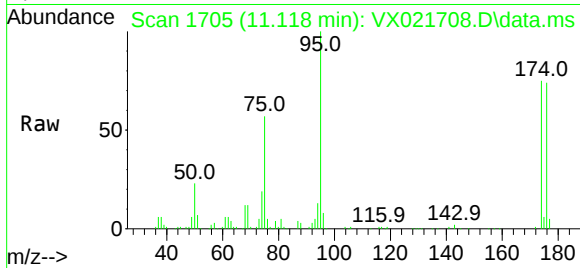




#62
4-Bromofluorobenzene
Concen: 55.00 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

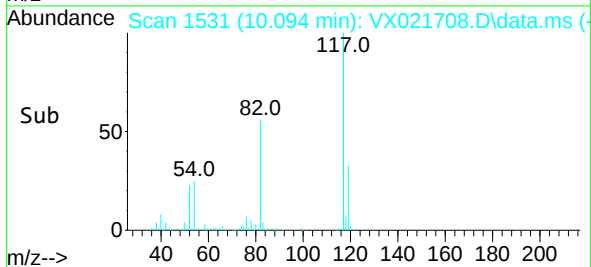
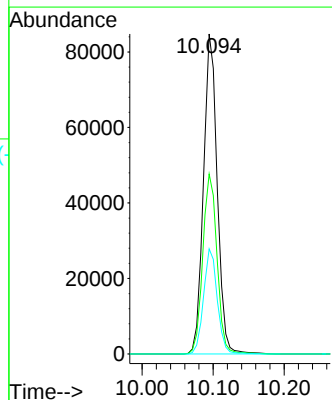
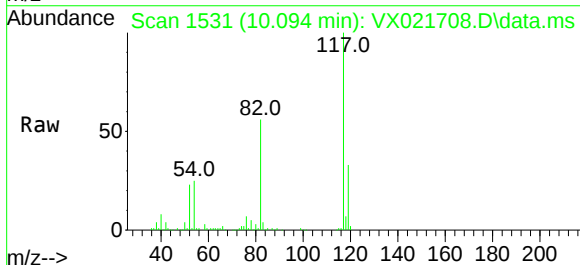
Instrument :
MSVOA_X
ClientSampleId :
PB135474TB

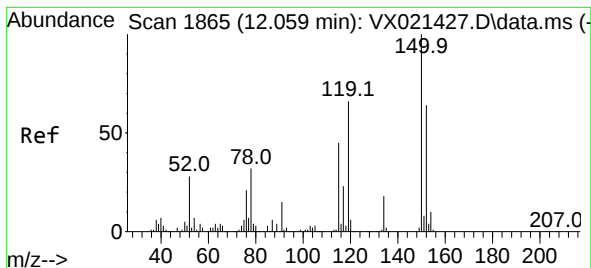
Tgt Ion: 95 Resp: 55431
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 75.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021708.D
Acq: 01 Apr 2021 15:17

Tgt Ion: 117 Resp: 114550
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.8 26.6 39.8

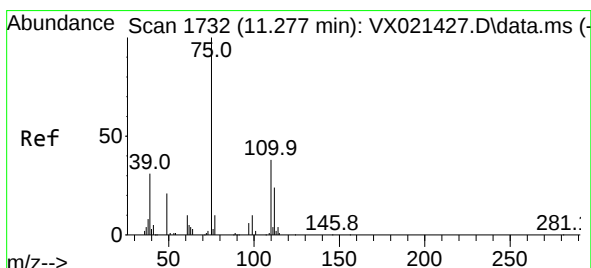
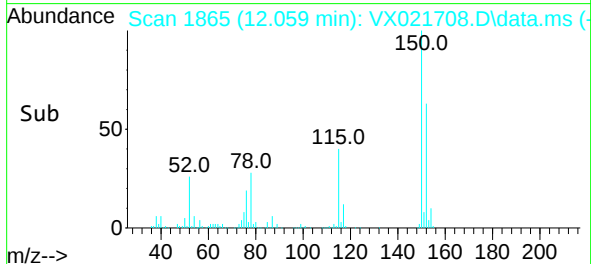
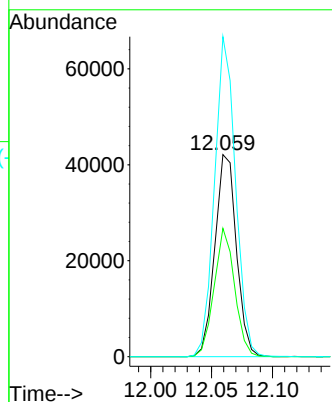
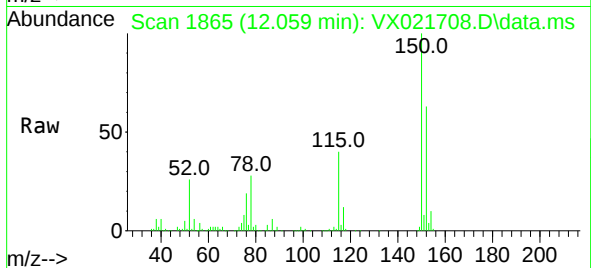




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021708.D
 Acq: 01 Apr 2021 15:17

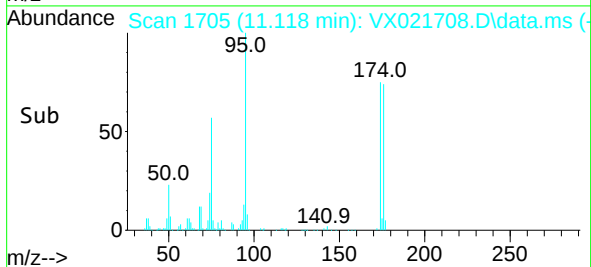
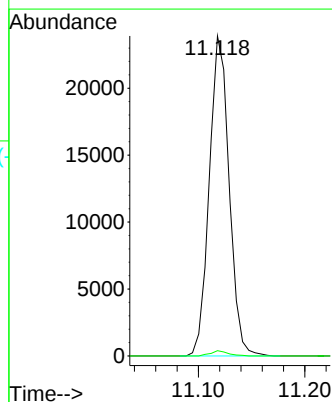
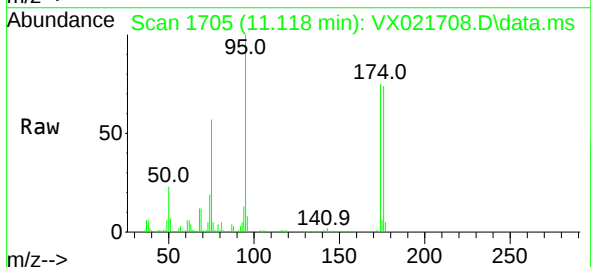
Instrument :
 MSVOA_X
 ClientSampleId :
 PB135474TB

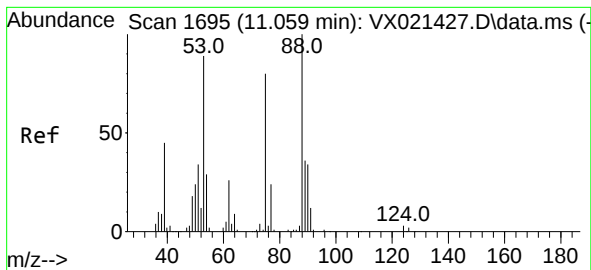
Tgt Ion:152 Resp: 51977
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 153.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.54 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021708.D
 Acq: 01 Apr 2021 15:17

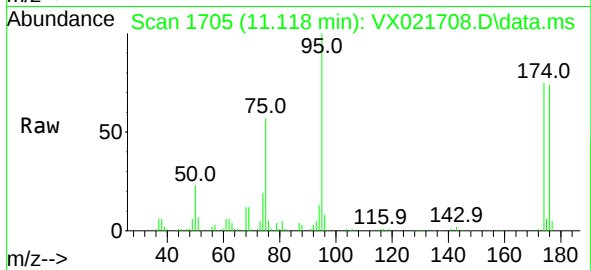
Tgt Ion: 75 Resp: 30909
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.81 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021708.D
 Acq: 01 Apr 2021 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135474TB



Tgt Ion: 75 Resp: 30909
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

