

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052521\
 Data File : VX022170.D
 Acq On : 25 May 2021 12:38
 Operator : JC/MD
 Sample : M2490-02ME
 Misc : 4.86g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11986

Quant Time: May 26 01:55:09 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)

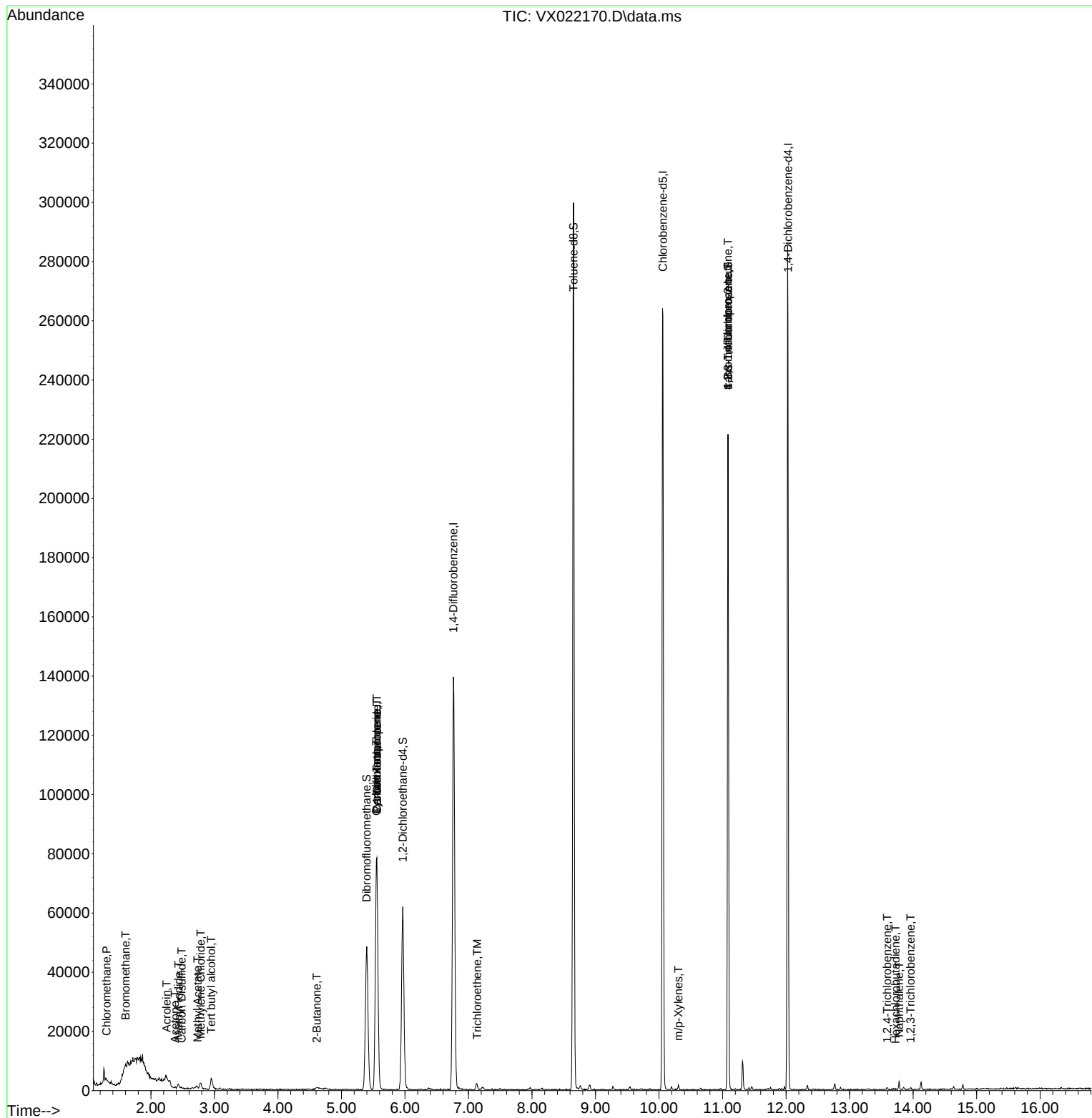
Internal Standards						
1) Pentafluorobenzene	5.556	168	69151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	141365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	124057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.030	152	52406	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55259	51.80	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.60%			
35) Dibromofluoromethane	5.397	113	42251	47.13	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.26%			
50) Toluene-d8	8.653	98	172019	49.81	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.62%			
62) 4-Bromofluorobenzene	11.085	95	61275	48.01	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.02%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	237	0.26	ug/l #	42
5) Bromomethane	1.599	94	583	1.04	ug/l	88
10) Methyl Iodide	2.434	142	1268	1.44	ug/l #	93
11) Tert butyl alcohol	2.947	59	2321	9.51	ug/l #	73
13) Acrolein	2.246	56	200	1.24	ug/l #	44
16) Acetone	2.380	43	118	0.25	ug/l #	40
17) Carbon Disulfide	2.483	76	606	0.29	ug/l #	75
18) Methyl Acetate	2.733	43	1253	1.01	ug/l #	63
20) Methylene Chloride	2.782	84	968	0.94	ug/l	94
25) 2-Butanone	4.611	43	1042	1.39	ug/l #	86
31) Cyclohexane	5.550	56	1961	1.46	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	6024	4.61	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7587	5.93	ug/l #	15
44) Trichloroethene	7.135	130	789	0.79	ug/l	79
68) m/p-Xylenes	10.305	106	379	0.21	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	31572	24.42	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	31572	57.86	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	325	0.31	ug/l #	92
94) Hexachlorobutadiene	13.725	225	112	0.27	ug/l	87
95) Naphthalene	13.780	128	1571	0.38	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	215	0.20	ug/l	89

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

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Response via : Initial Calibration

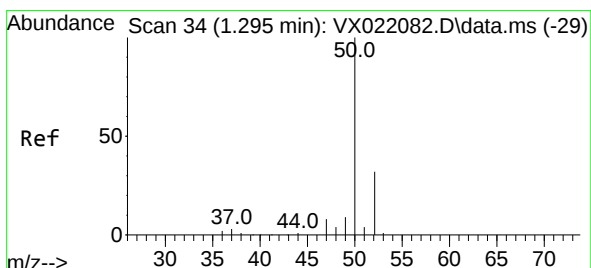
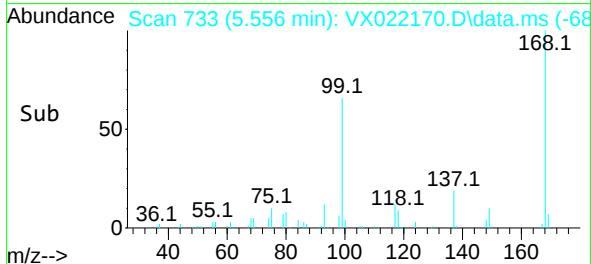
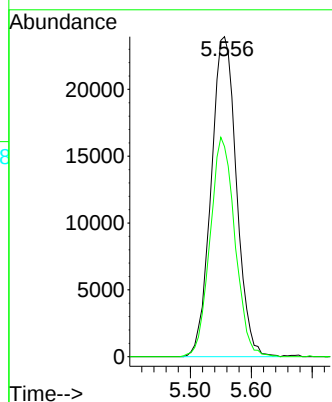
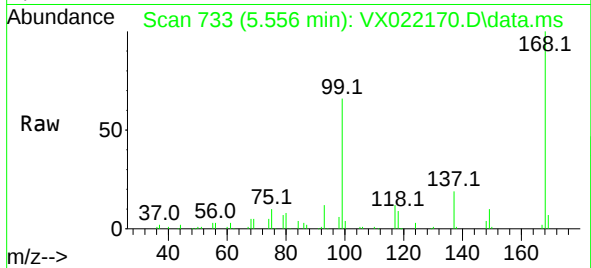




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

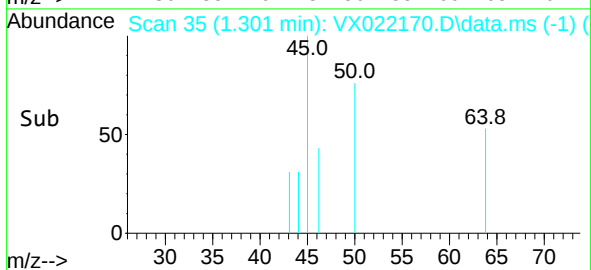
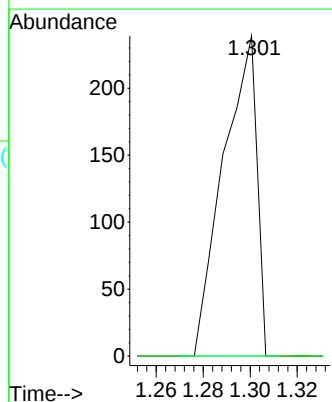
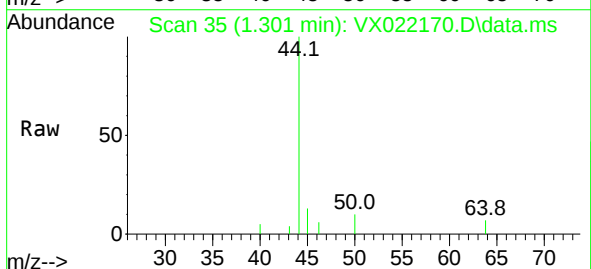
Instrument :
MSVOA_X
ClientSampleId :
72-11986

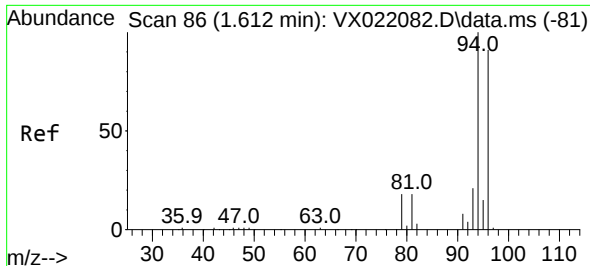
Tgt Ion:168 Resp: 69151
Ion Ratio Lower Upper
168 100
99 65.7 45.8 68.6



#3
Chloromethane
Concen: 0.26 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

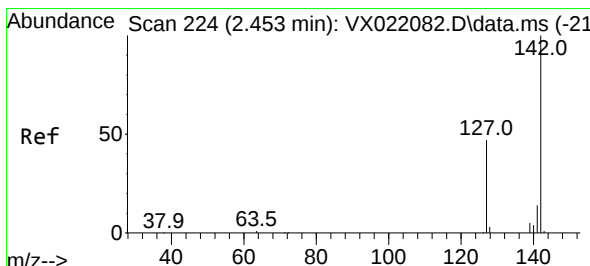
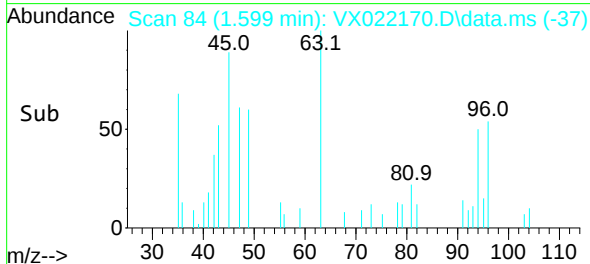
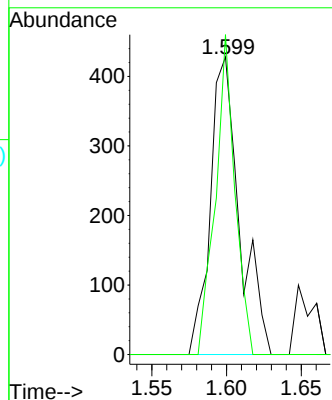
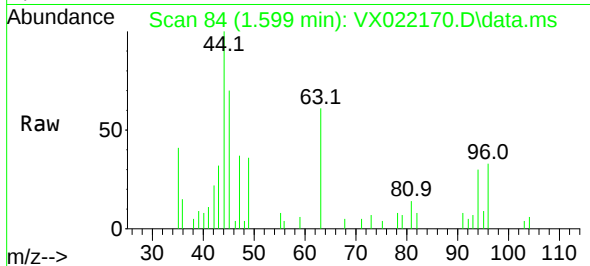




#5
Bromomethane
Concen: 1.04 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.013 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

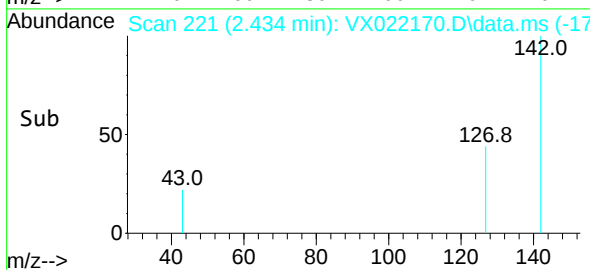
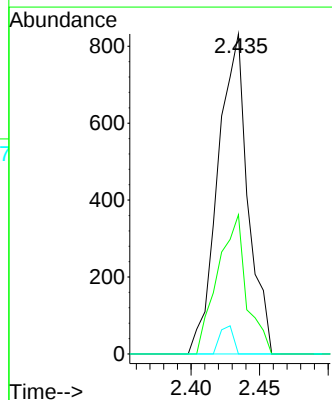
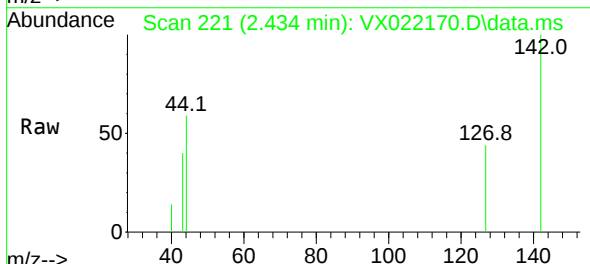
Instrument :
MSVOA_X
ClientSampled :
72-11986

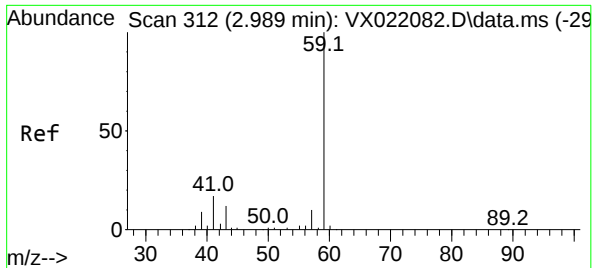
Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 107.5 76.4 114.6



#10
Methyl Iodide
Concen: 1.44 ug/l
RT: 2.434 min Scan# 221
Delta R.T. -0.018 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 142 Resp: 1268
Ion Ratio Lower Upper
142 100
127 41.8 33.3 49.9
141 3.9 11.4 17.0#



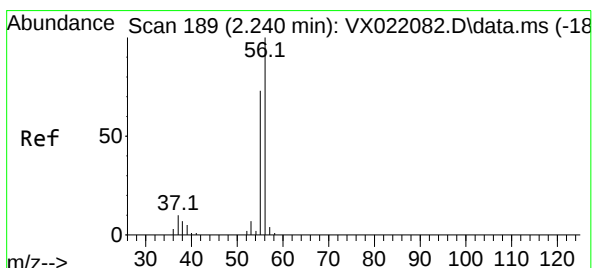
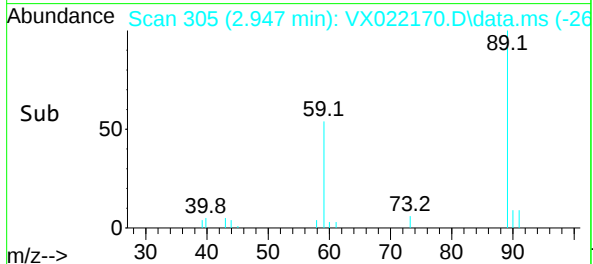
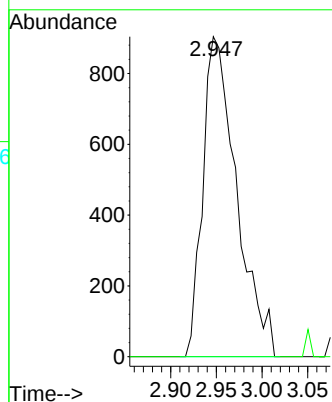
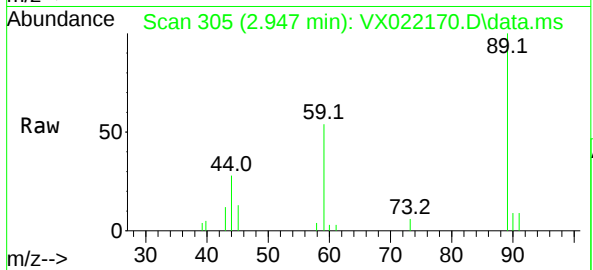


#11

Tert butyl alcohol
Concen: 9.51 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Instrument :
MSVOA_X
ClientSampled :
72-11986

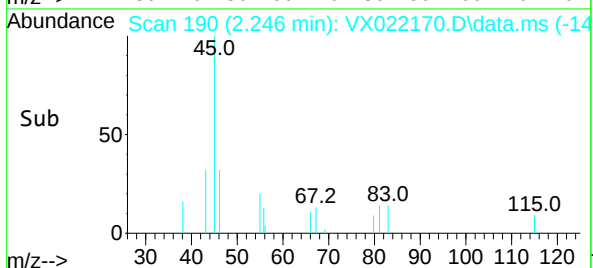
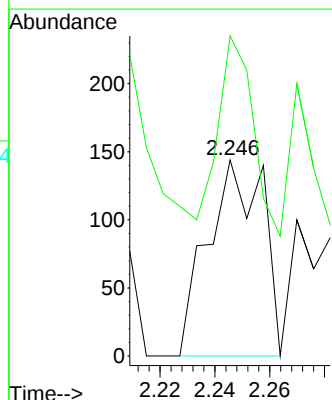
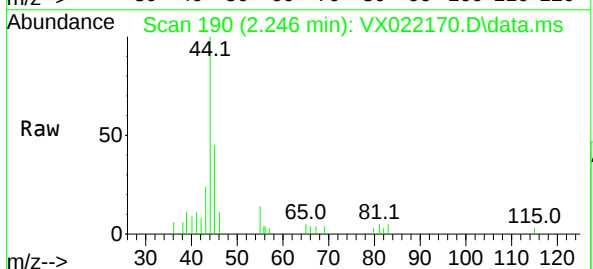
Tgt Ion: 59 Resp: 2321
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

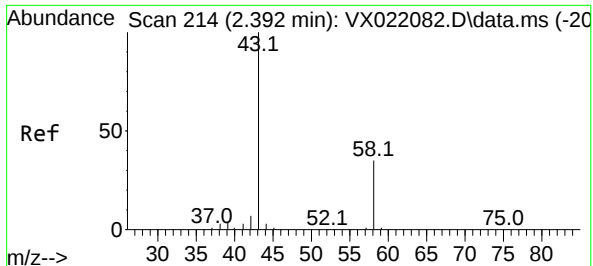


#13

Acrolein
Concen: 1.24 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 117.0 56.4 84.6#

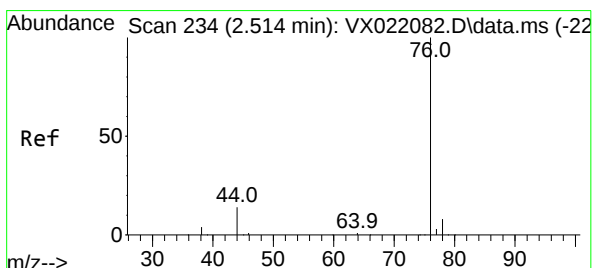
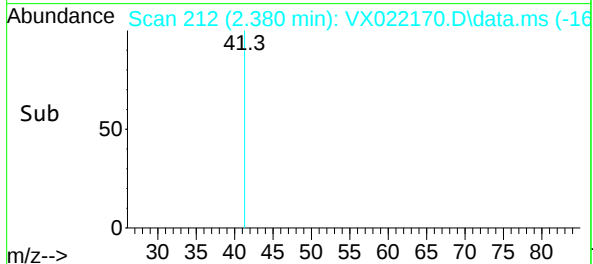
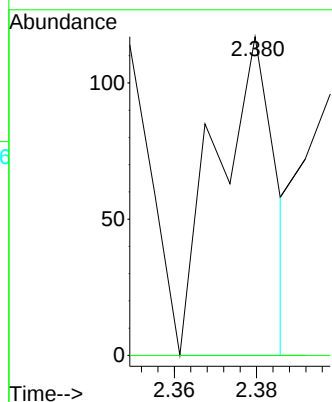
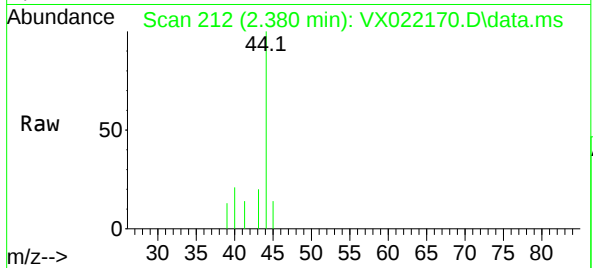




#16
Acetone
Concen: 0.25 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

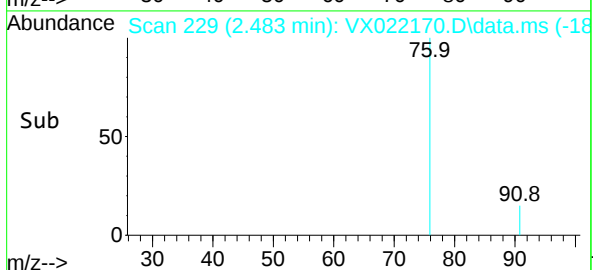
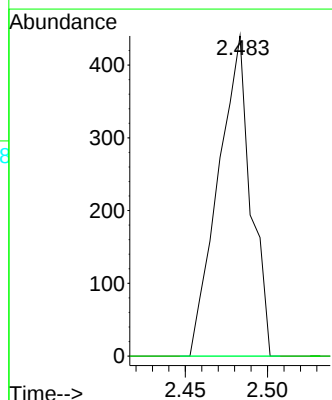
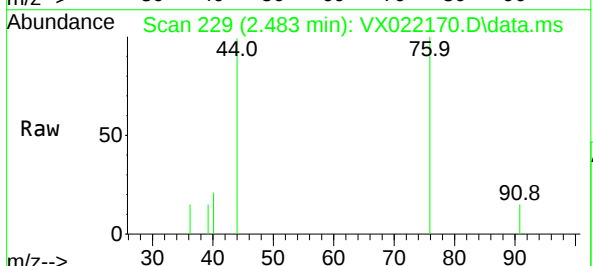
Instrument :
MSVOA_X
ClientSampleId :
72-11986

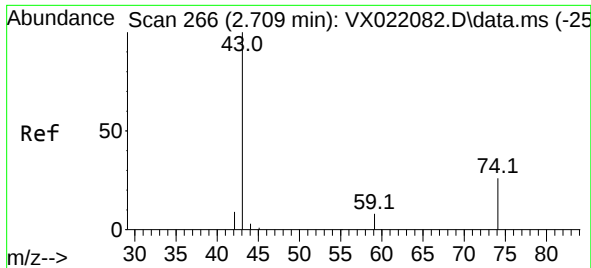
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.031 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 76 Resp: 606
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

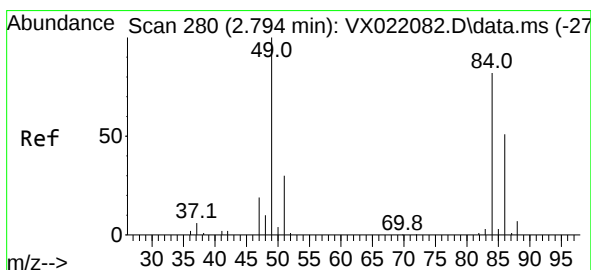
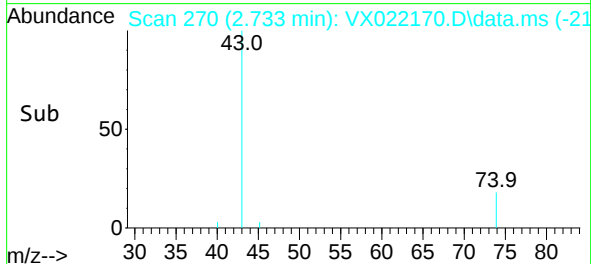
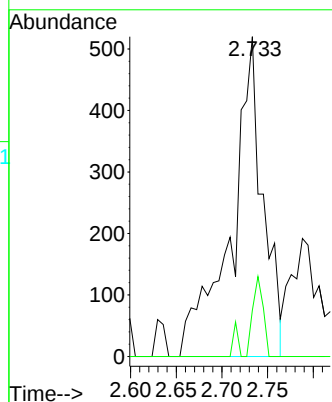
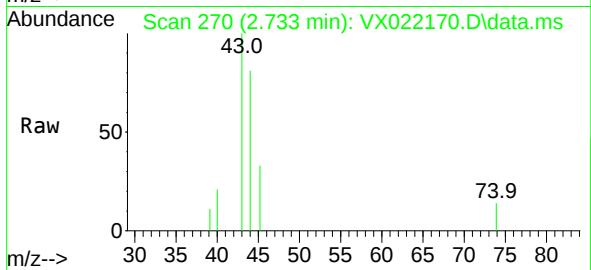




#18
Methyl Acetate
Concen: 1.01 ug/l
RT: 2.733 min Scan# 270
Delta R.T. 0.024 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

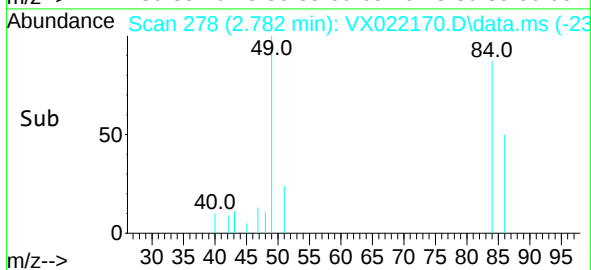
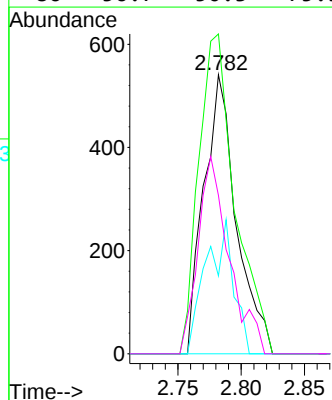
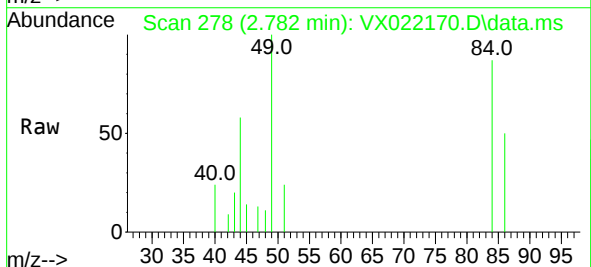
Instrument :
MSVOA_X
ClientSampleId :
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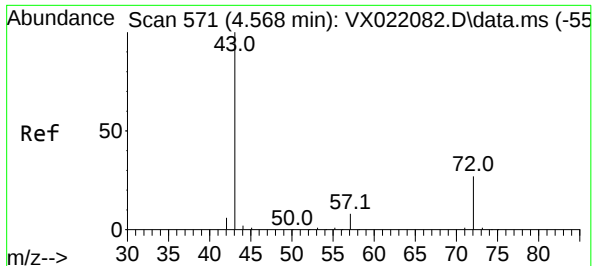
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
74 8.3 21.9 32.9#



#20
Methylene Chloride
Concen: 0.94 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 84 Resp: 968
Ion Ratio Lower Upper
84 100
49 114.6 88.6 132.8
51 27.9 27.0 40.6
86 56.7 50.3 75.5





#25

2-Butanone

Concen: 1.39 ug/l

RT: 4.611 min Scan# 578

Delta R.T. 0.043 min

Lab File: VX022170.D

Acq: 25 May 2021 12:38

Tgt Ion: 43 Resp: 1042

Ion Ratio Lower Upper

43 100

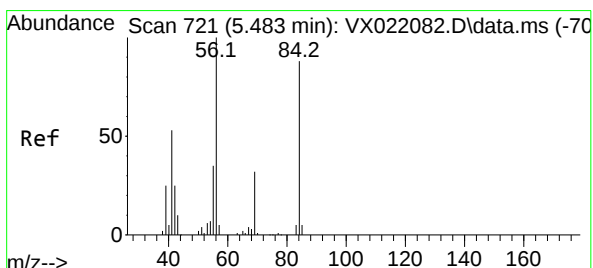
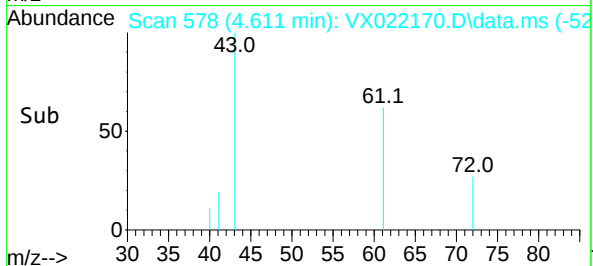
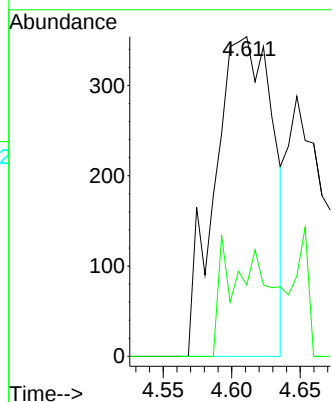
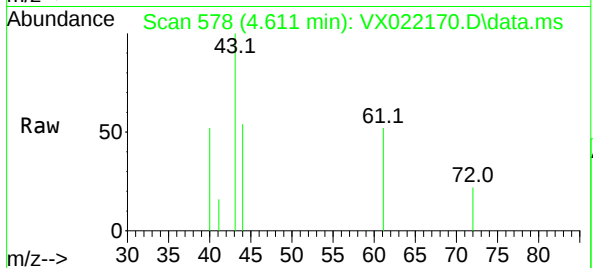
72 22.3 23.7 35.5#

Instrument :

MSVOA_X

ClientSampled :

72-11986



#31

Cyclohexane

Concen: 1.46 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.067 min

Lab File: VX022170.D

Acq: 25 May 2021 12:38

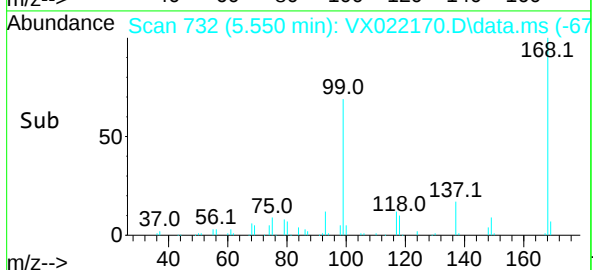
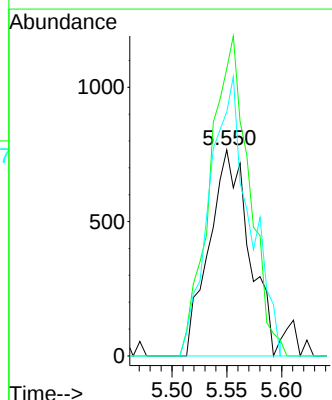
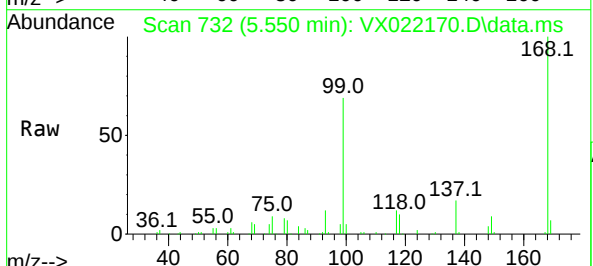
Tgt Ion: 56 Resp: 1961

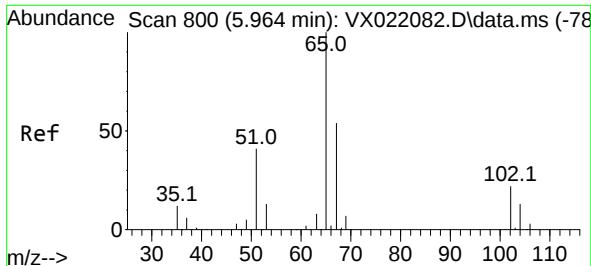
Ion Ratio Lower Upper

56 100

69 139.4 25.3 37.9#

84 118.4 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.80 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022170.D

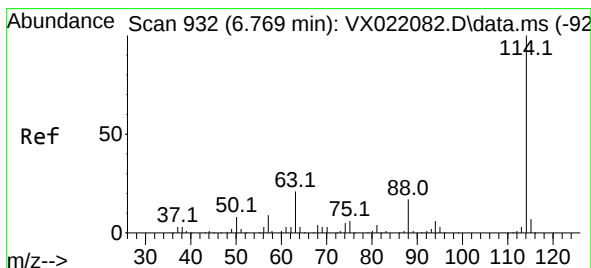
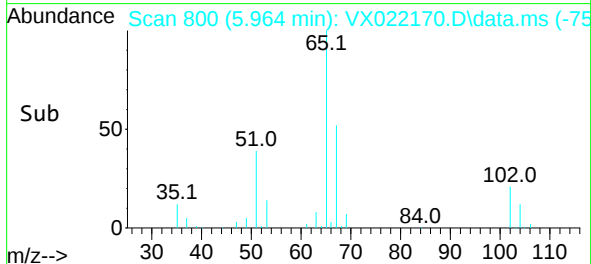
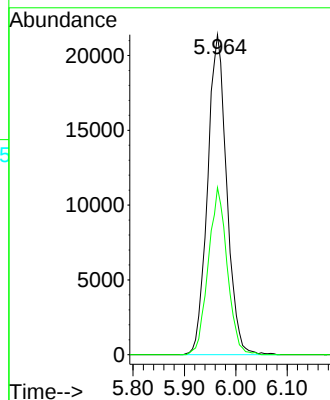
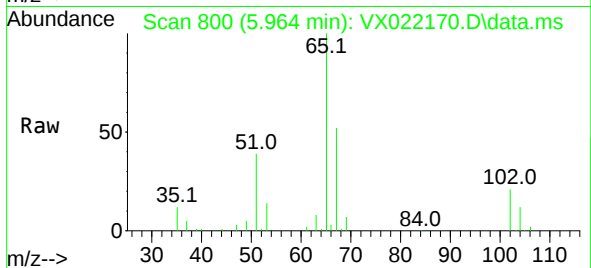
Acq: 25 May 2021 12:38

Tgt Ion: 65 Resp: 55259

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX022170.D

Acq: 25 May 2021 12:38

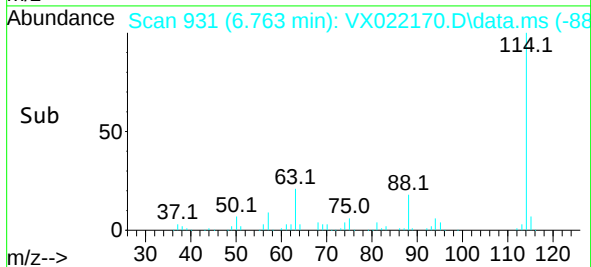
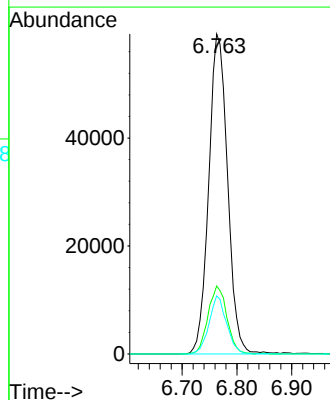
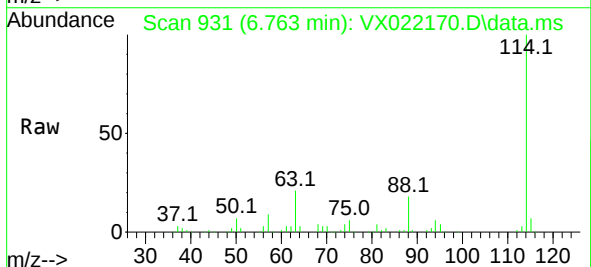
Tgt Ion: 114 Resp: 141365

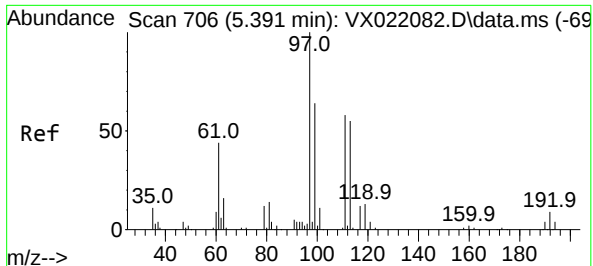
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

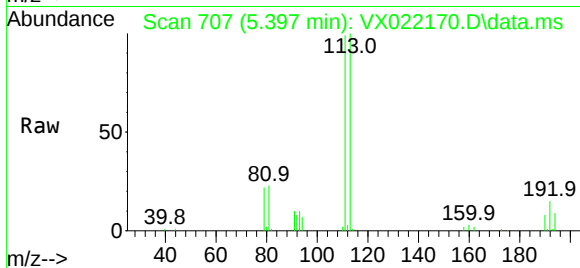
88 18.1 0.0 32.8



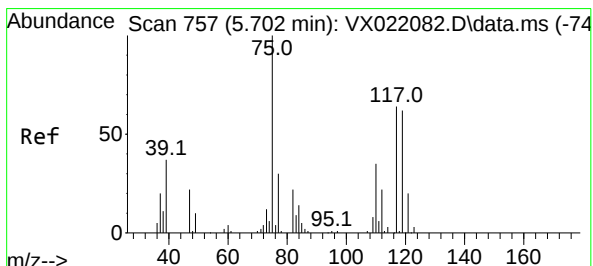
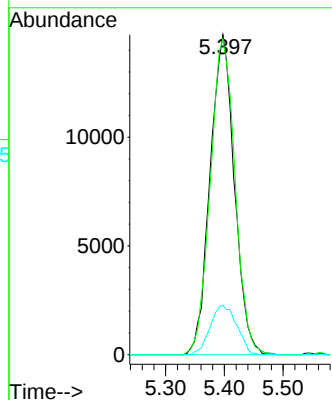
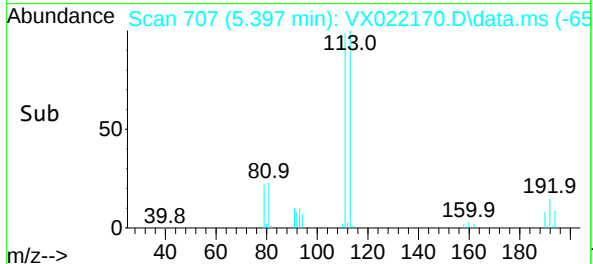


#35
Dibromofluoromethane
Concen: 47.13 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

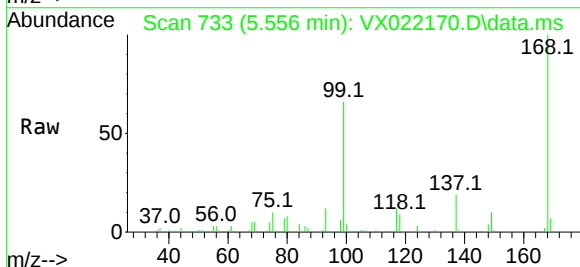
Instrument :
MSVOA_X
ClientSampleId :
72-11986



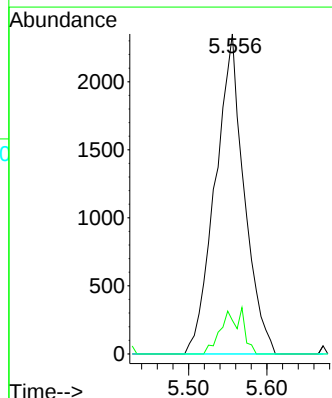
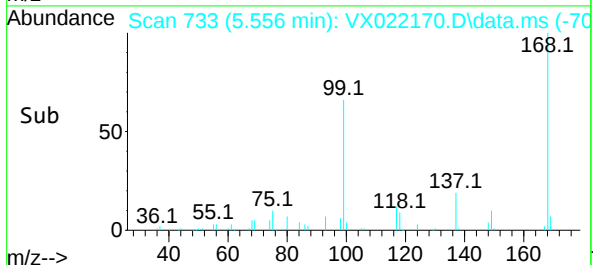
Tgt Ion:113 Resp: 42251
Ion Ratio Lower Upper
113 100
111 100.6 81.9 122.9
192 16.9 16.7 25.1

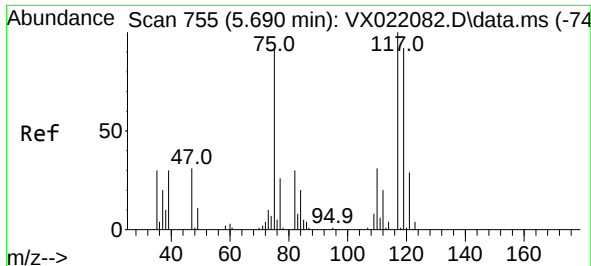


#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38



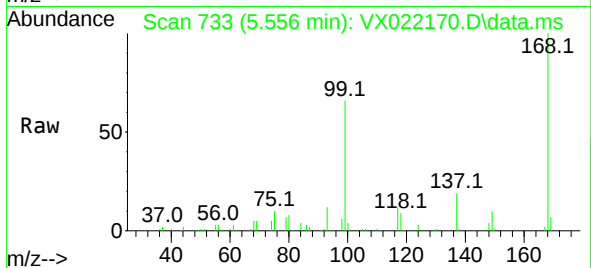
Tgt Ion: 75 Resp: 6024
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



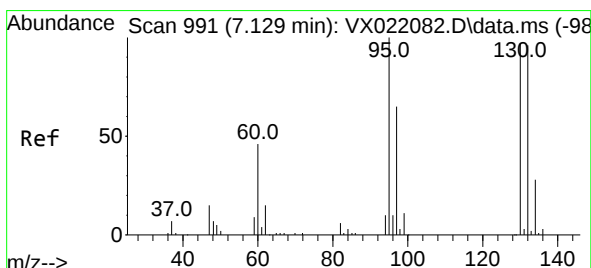
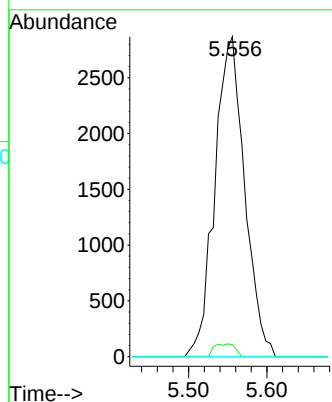
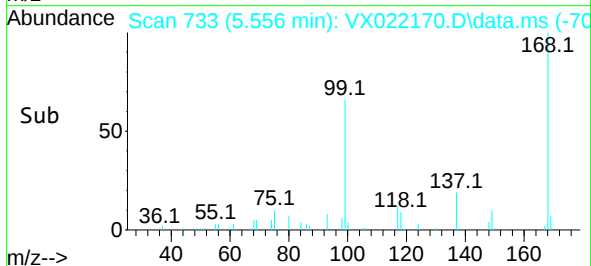


#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

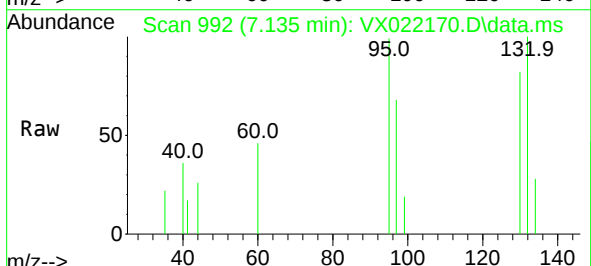
Instrument :
MSVOA_X
ClientSampleId :
72-11986



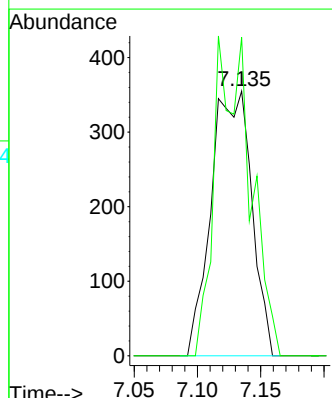
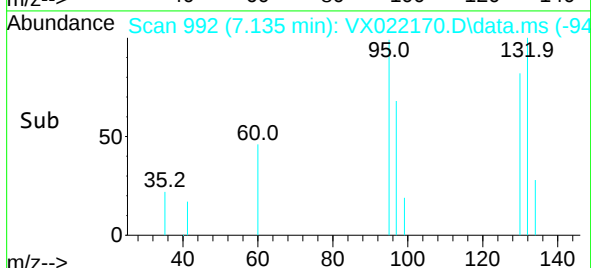
Tgt Ion:117 Resp: 7587
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#

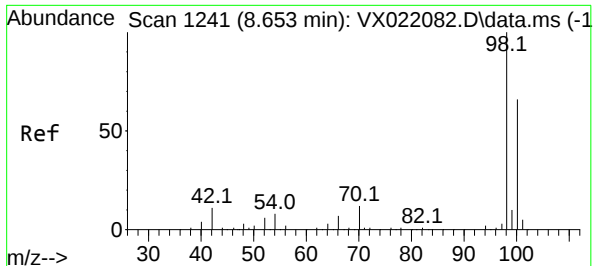


#44
Trichloroethene
Concen: 0.79 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38



Tgt Ion:130 Resp: 789
Ion Ratio Lower Upper
130 100
95 120.3 0.0 198.0

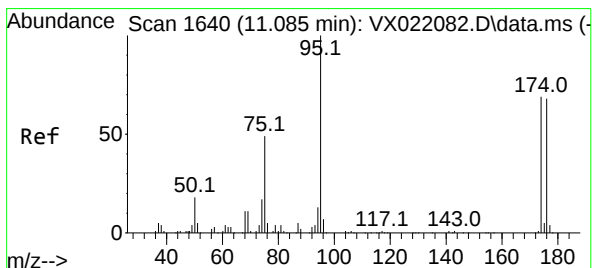
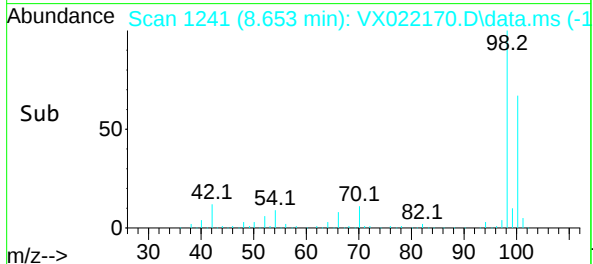
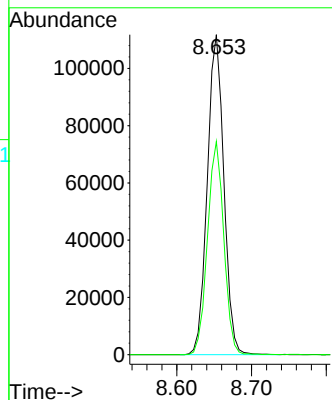
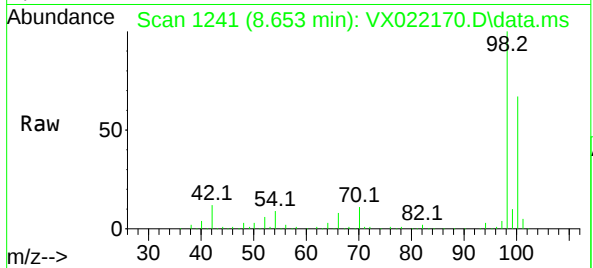




#50
Toluene-d8
Concen: 49.81 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

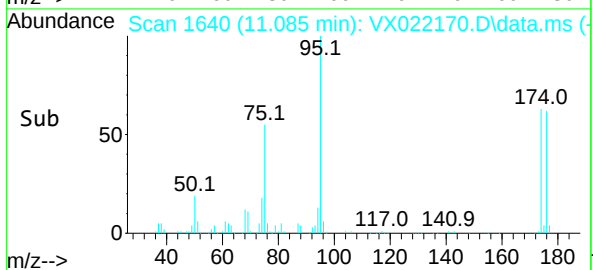
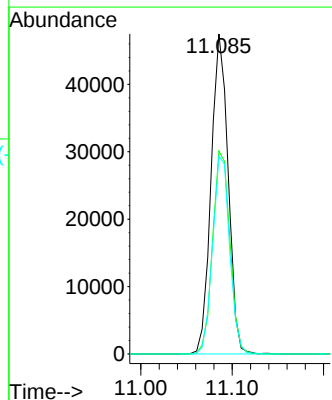
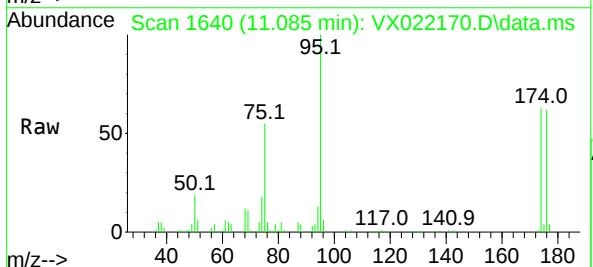
Instrument :
MSVOA_X
ClientSampleId :
72-11986

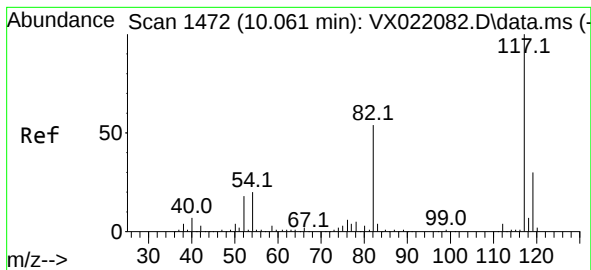
Tgt Ion: 98 Resp: 172019
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.01 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion: 95 Resp: 61275
Ion Ratio Lower Upper
95 100
174 64.5 0.0 154.6
176 62.0 0.0 155.8

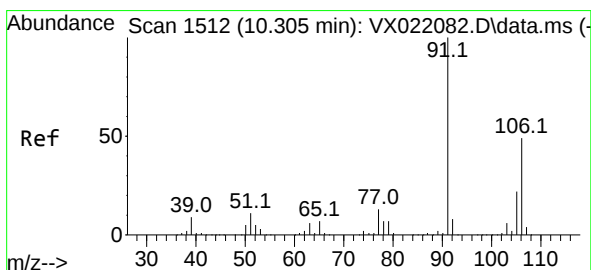
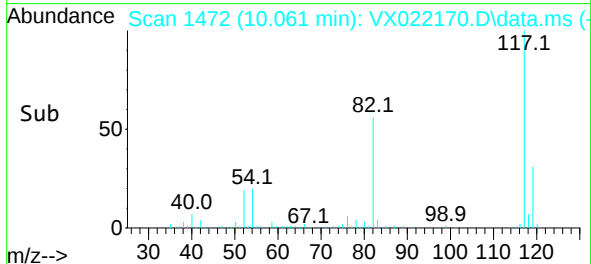
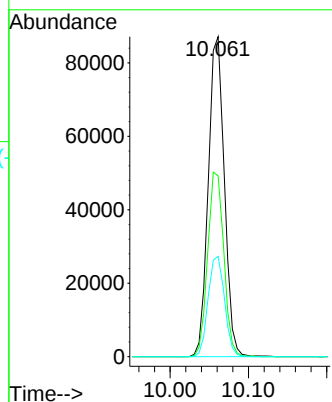
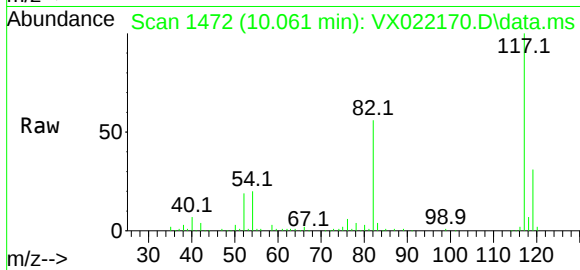




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

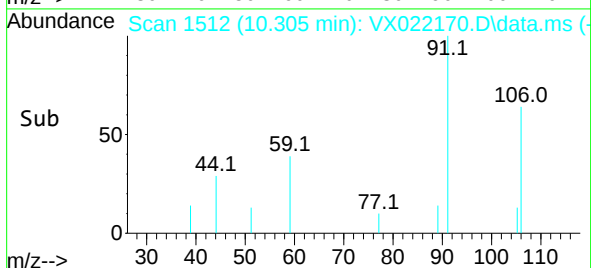
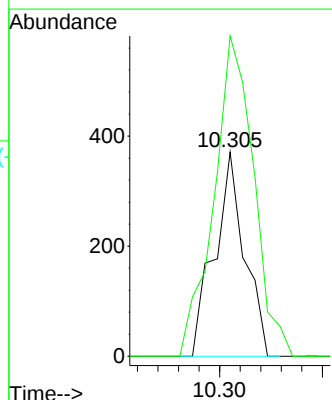
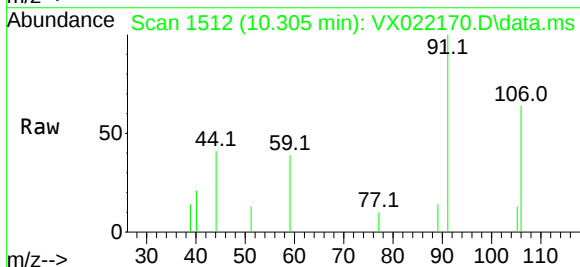
Instrument :
MSVOA_X
ClientSampleId :
72-11986

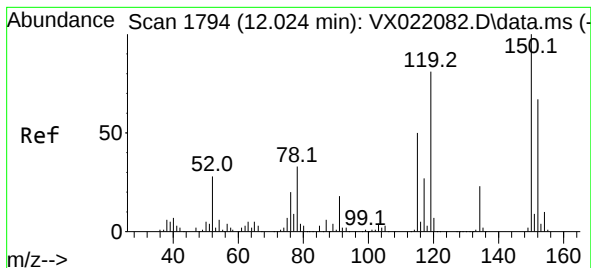
Tgt Ion:117 Resp: 124057
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 31.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion:106 Resp: 379
Ion Ratio Lower Upper
106 100
91 206.1 162.8 244.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.030 min Scan# 1795

Delta R.T. 0.006 min

Lab File: VX022170.D

Acq: 25 May 2021 12:38

Tgt Ion:152 Resp: 52406

Ion Ratio Lower Upper

152 100

115 67.5 41.1 123.3

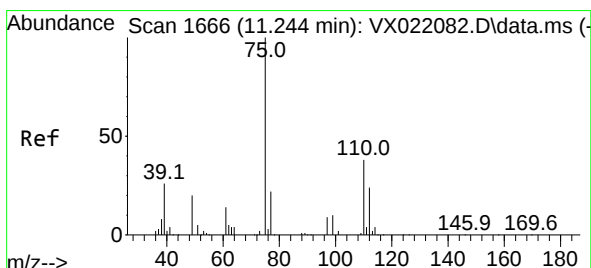
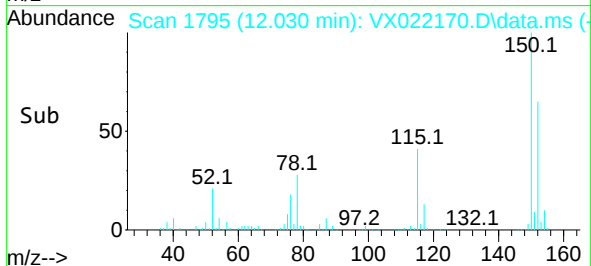
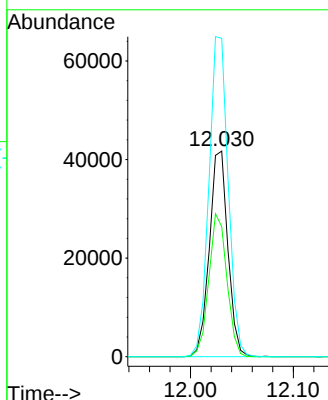
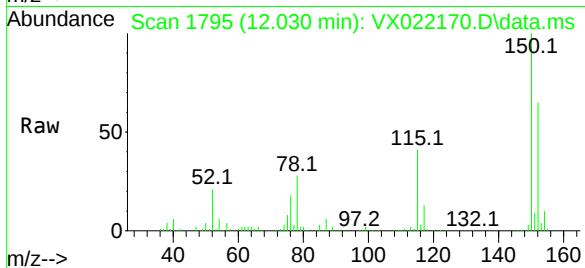
150 160.9 0.0 349.0

Instrument :

MSVOA_X

ClientSampled :

72-11986



#76

1,2,3-Trichloropropane

Concen: 24.42 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022170.D

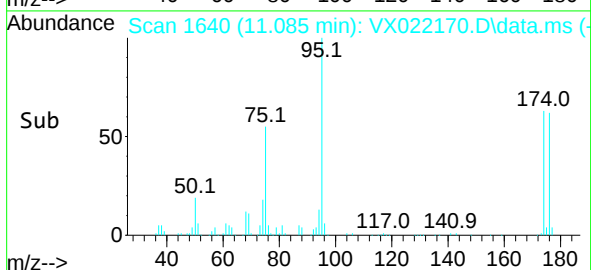
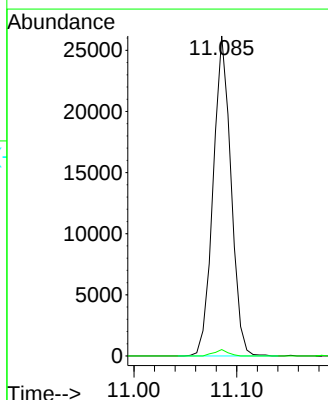
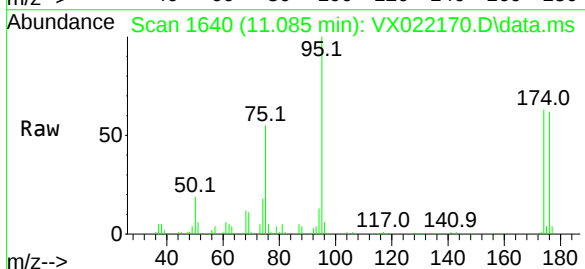
Acq: 25 May 2021 12:38

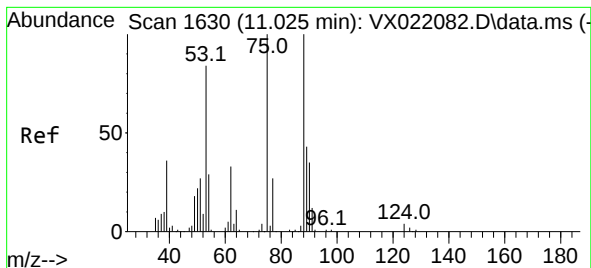
Tgt Ion: 75 Resp: 31572

Ion Ratio Lower Upper

75 100

77 1.6 19.1 57.5#

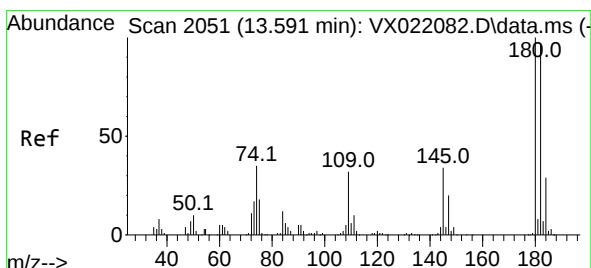
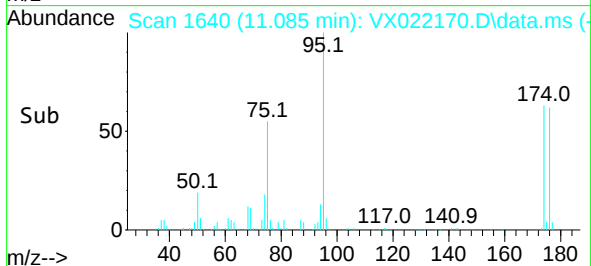
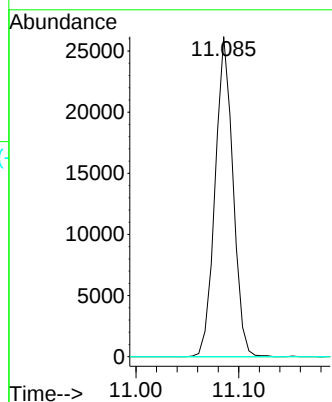
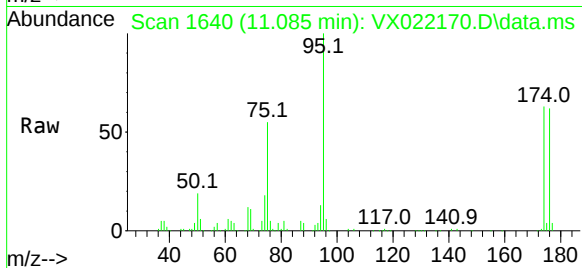




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.86 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022170.D
 Acq: 25 May 2021 12:38

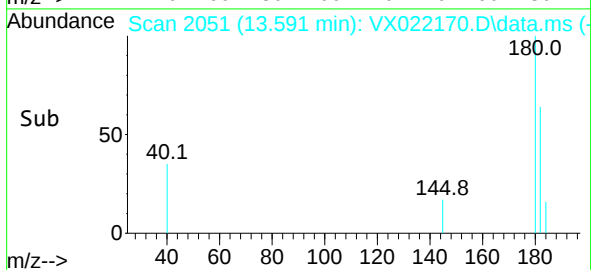
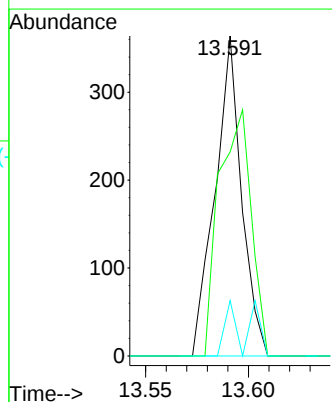
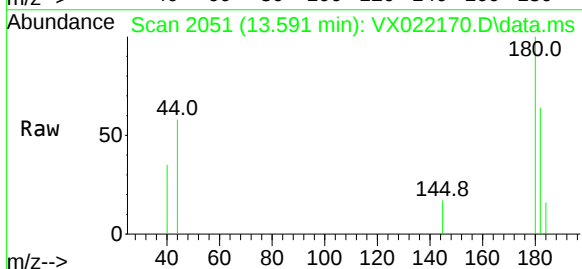
Instrument :
 MSVOA_X
 ClientSampleId :
 72-11986

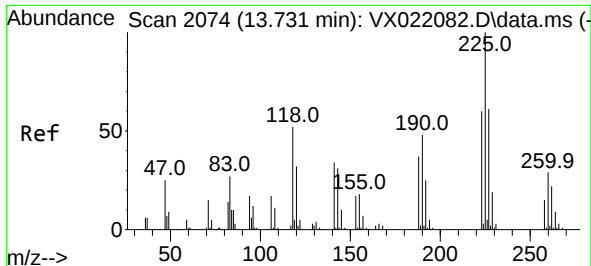
Tgt Ion: 75 Resp: 31572
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.31 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX022170.D
 Acq: 25 May 2021 12:38

Tgt Ion:180 Resp: 325
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.7 143.1
 145 14.2 15.0 45.0#

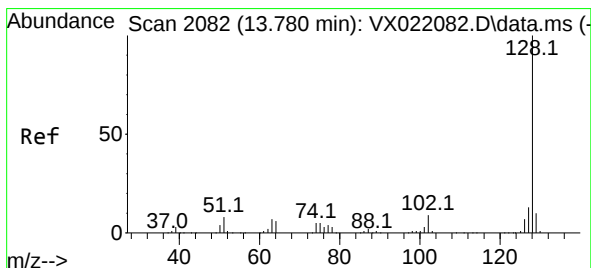
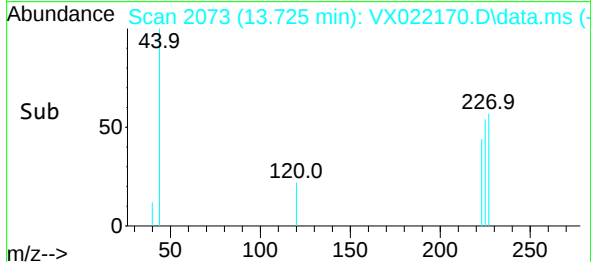
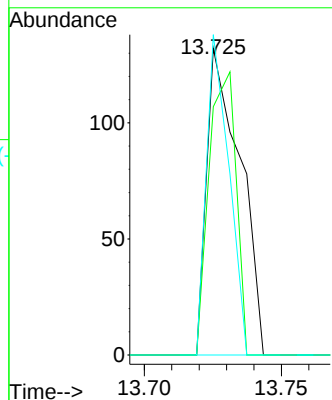
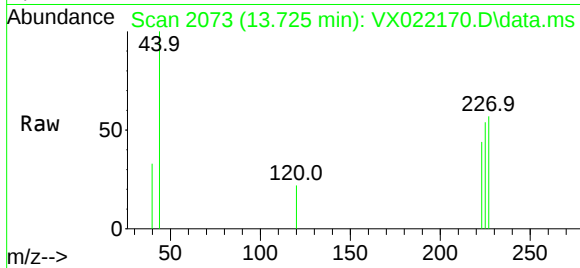




#94
Hexachlorobutadiene
Concen: 0.27 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

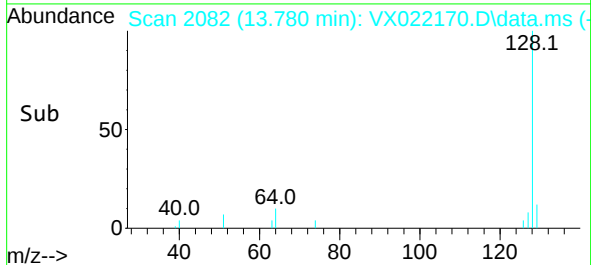
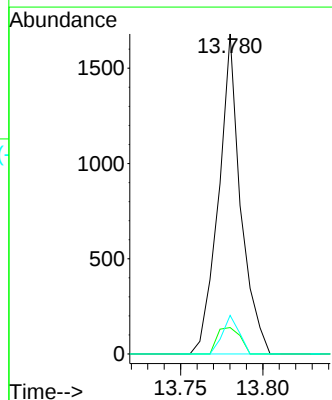
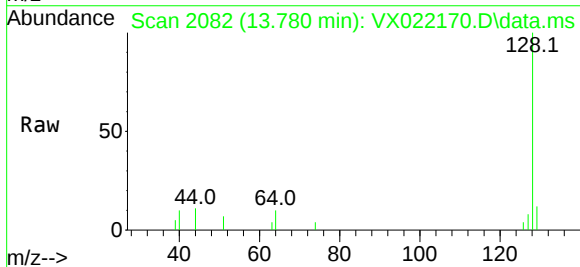
Instrument :
MSVOA_X
ClientSampleId :
72-11986

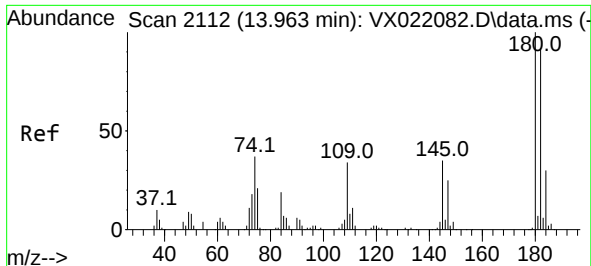
Tgt Ion:225 Resp: 112
Ion Ratio Lower Upper
225 100
223 75.0 31.1 93.2
227 70.5 31.6 95.0



#95
Naphthalene
Concen: 0.38 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022170.D
Acq: 25 May 2021 12:38

Tgt Ion:128 Resp: 1571
Ion Ratio Lower Upper
128 100
127 8.5 10.3 15.5#
129 9.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX022170.D
 Acq: 25 May 2021 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11986

Tgt Ion:	180	Resp:	215
Ion	Ratio	Lower	Upper
180	100		
182	105.1	47.6	142.9
145	24.7	16.1	48.3

