

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022269.D
 Acq On : 28 May 2021 22:45
 Operator : JC/MD
 Sample : M2545-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20210526

Quant Time: May 29 04:56:53 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)

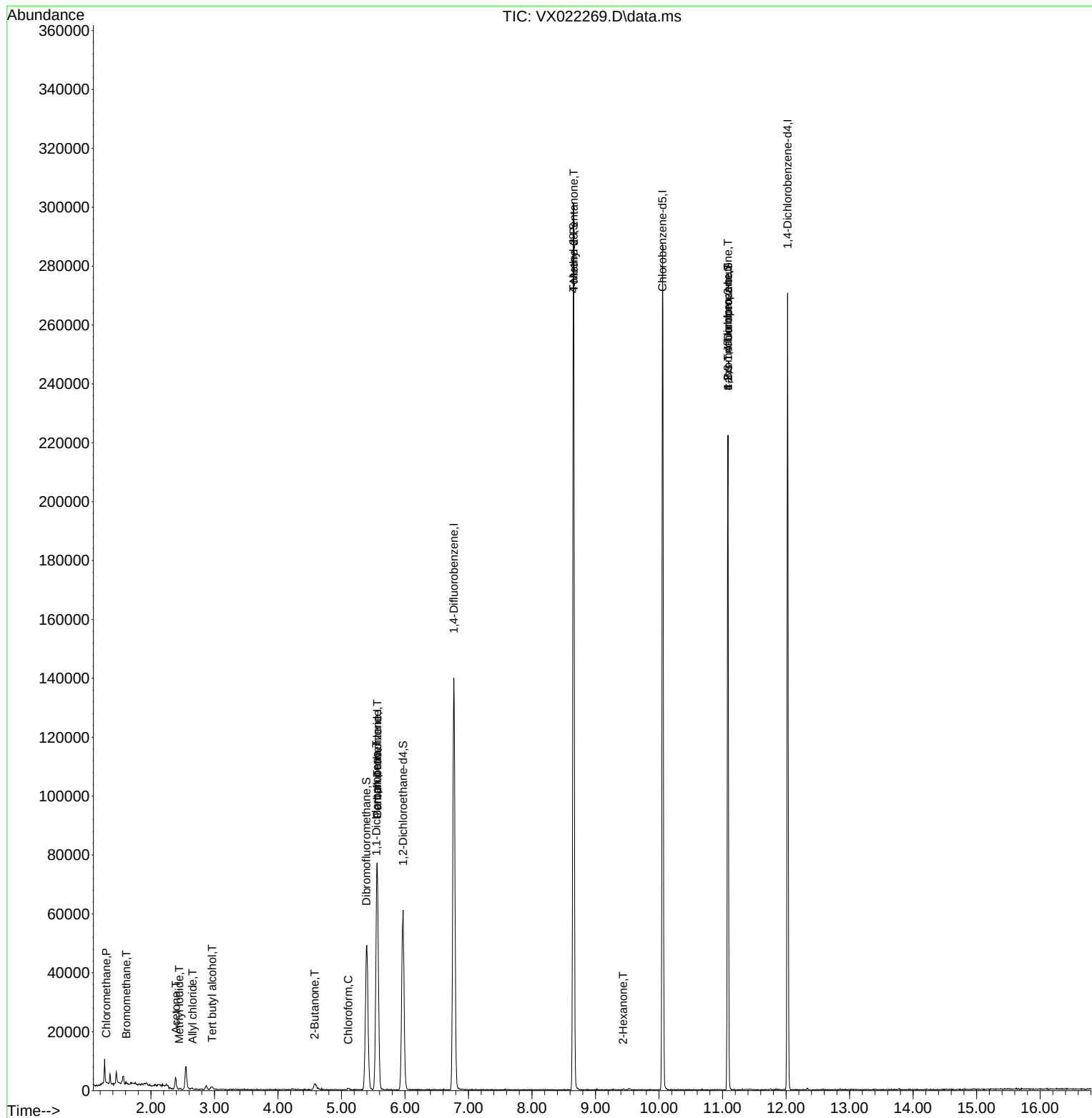
Internal Standards						
1) Pentafluorobenzene	5.562	168	66991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	140465	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	54700	52.93	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.86%			
35) Dibromofluoromethane	5.391	113	41852	46.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.96%			
50) Toluene-d8	8.653	98	171227	49.90	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.80%			
62) 4-Bromofluorobenzene	11.085	95	59884	47.22	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.44%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	185	0.21	ug/l #	42
5) Bromomethane	1.611	94	173	0.32	ug/l	84
10) Methyl Iodide	2.447	142	311	0.36	ug/l #	57
11) Tert butyl alcohol	2.965	59	1118	4.73	ug/l #	73
14) Allyl chloride	2.654	41	441	0.31	ug/l #	54
16) Acetone	2.392	43	3959	8.80	ug/l	91
25) 2-Butanone	4.574	43	2245	3.08	ug/l	97
30) Chloroform	5.105	83	490	0.30	ug/l	86
36) 1,1-Dichloropropene	5.550	75	6600	5.08	ug/l #	48
38) Carbon Tetrachloride	5.562	117	7421	5.84	ug/l #	17
51) 4-Methyl-2-Pentanone	8.659	43	878	0.56	ug/l #	1
59) 2-Hexanone	9.433	43	298	0.25	ug/l	69
76) 1,2,3-Trichloropropane	11.085	75	31365	26.70	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	31365	63.26	ug/l #	12

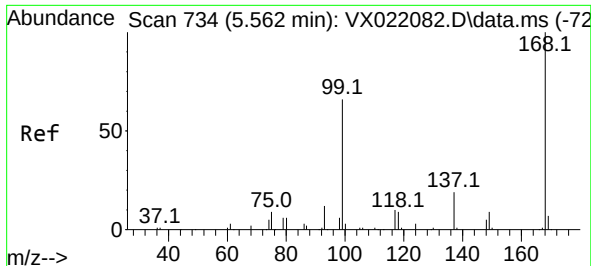
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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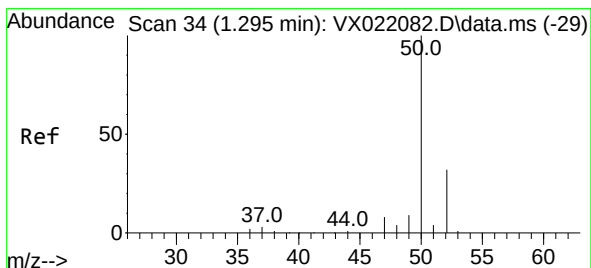
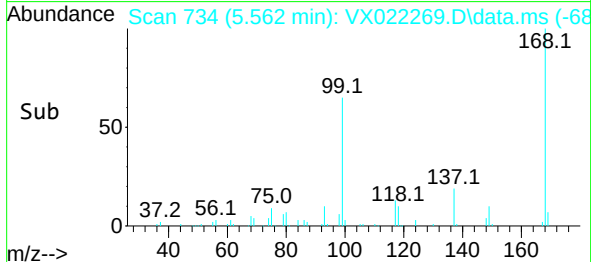
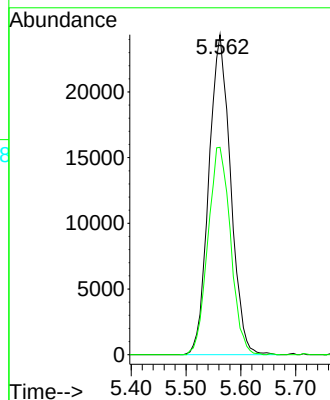
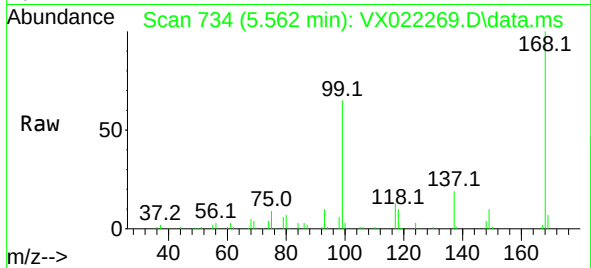




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

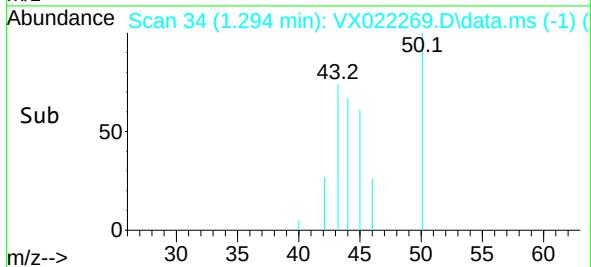
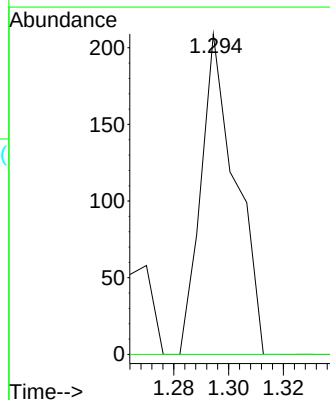
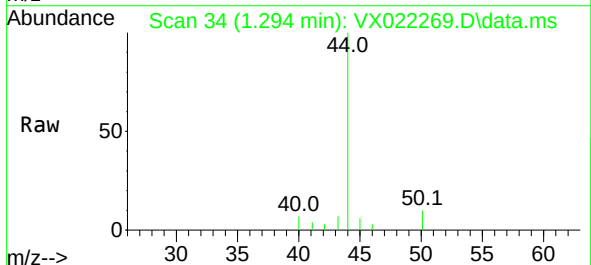
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

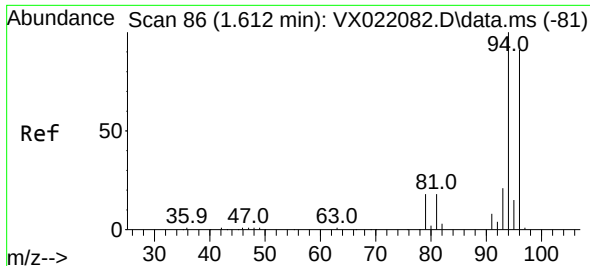
Tgt Ion:168 Resp: 66991
Ion Ratio Lower Upper
168 100
99 64.8 45.8 68.6



#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 50 Resp: 185
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

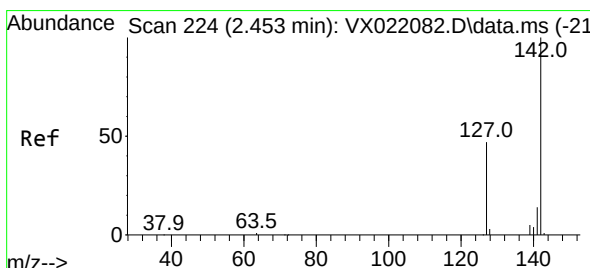
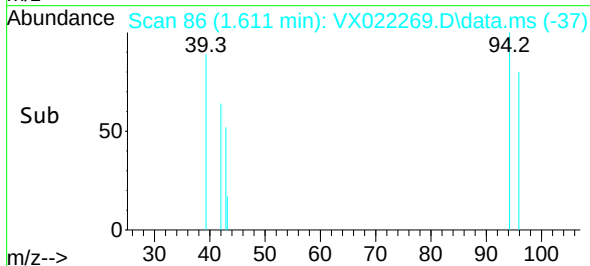
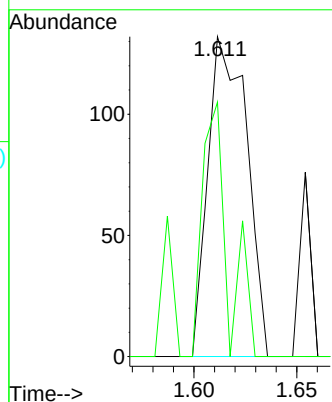
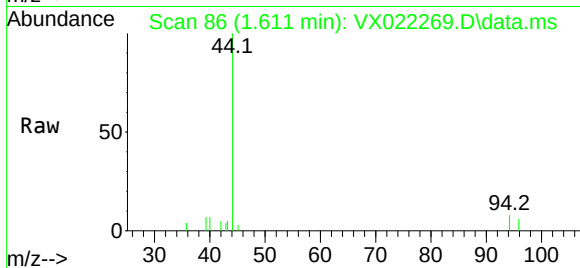




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

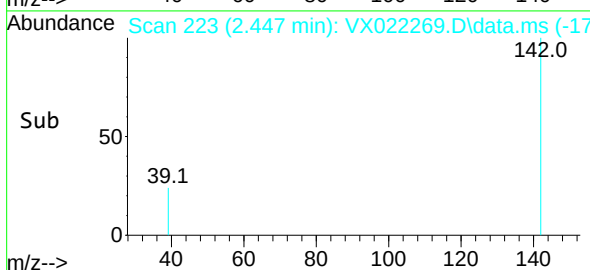
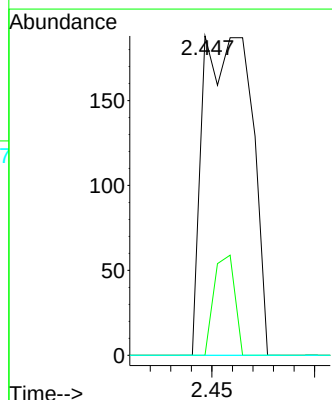
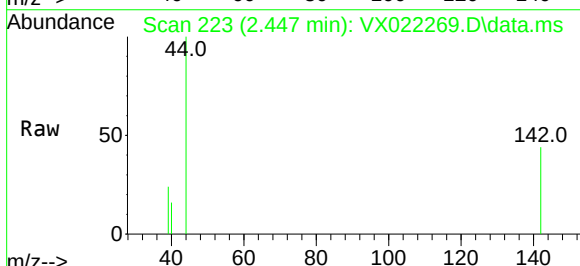
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

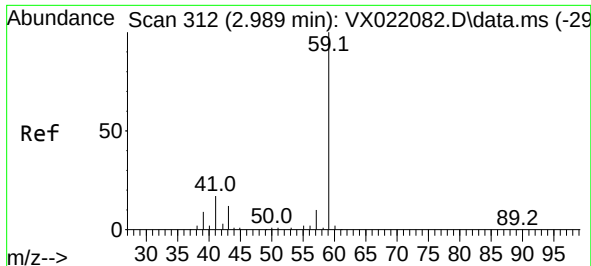
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 79.5 76.4 114.6



#10
Methyl Iodide
Concen: 0.36 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 142 Resp: 311
Ion Ratio Lower Upper
142 100
127 13.2 33.3 49.9#
141 0.0 11.4 17.0#



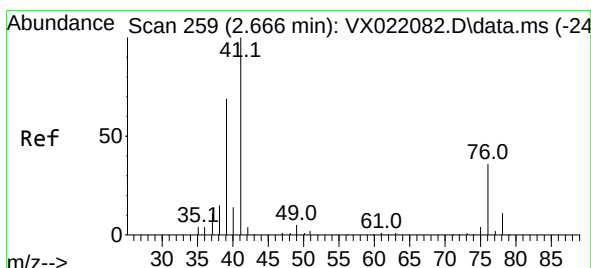
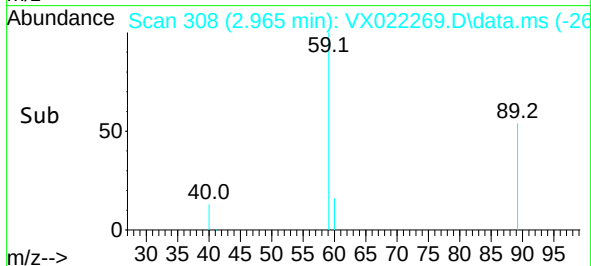
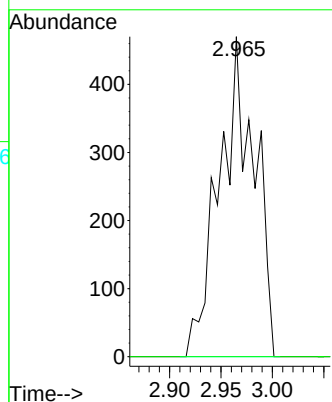
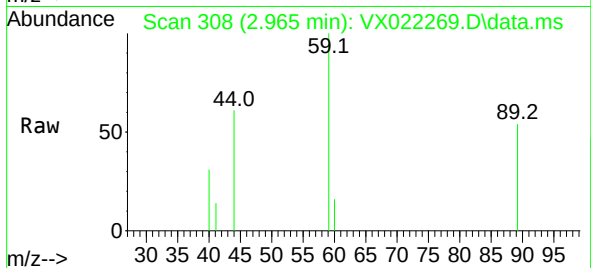


#11

Tert butyl alcohol
Concen: 4.73 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

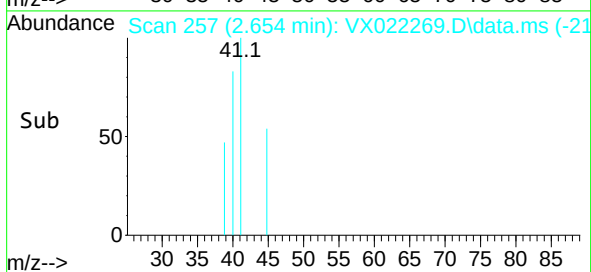
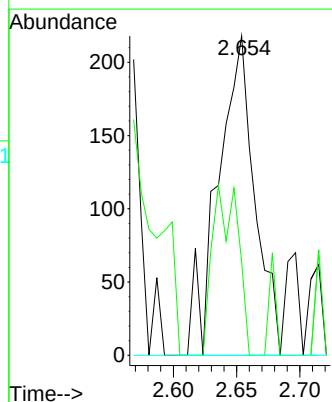
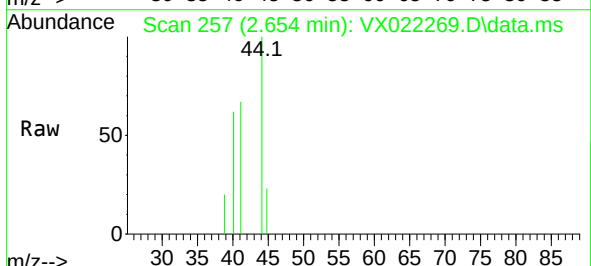
Tgt Ion: 59 Resp: 1118
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

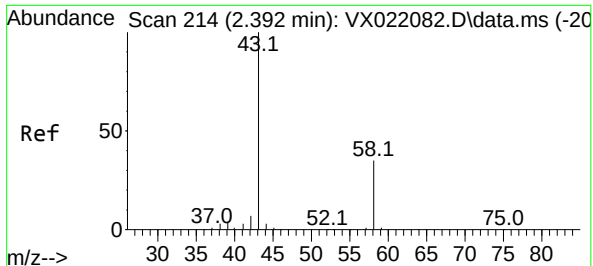


#14

Allyl chloride
Concen: 0.31 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 41 Resp: 441
Ion Ratio Lower Upper
41 100
39 36.7 51.6 77.4#
76 0.0 30.5 45.7#

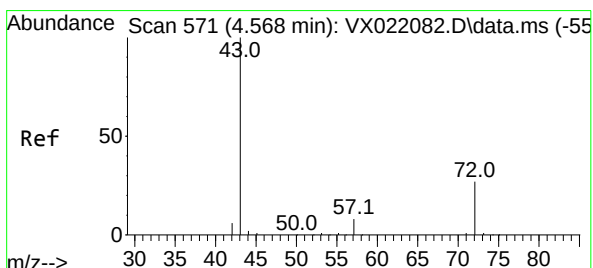
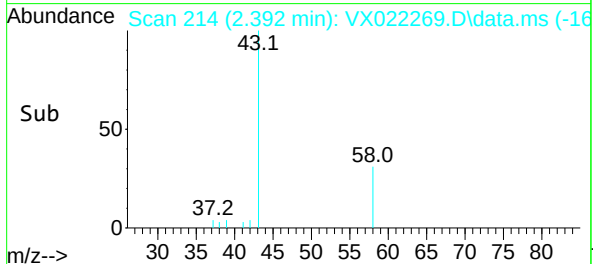
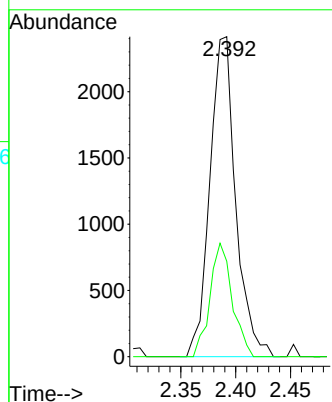
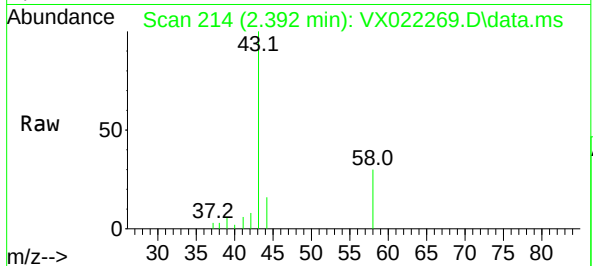




#16
Acetone
Concen: 8.80 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

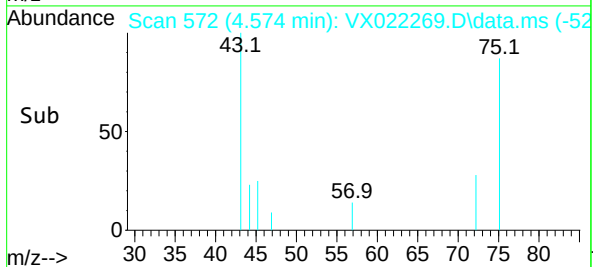
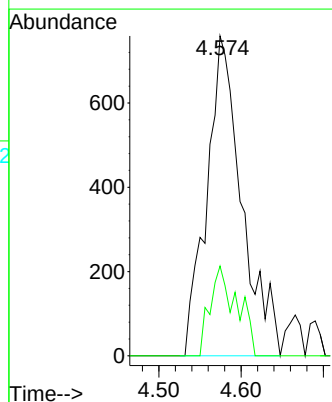
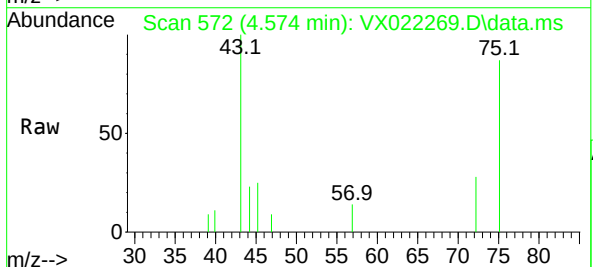
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

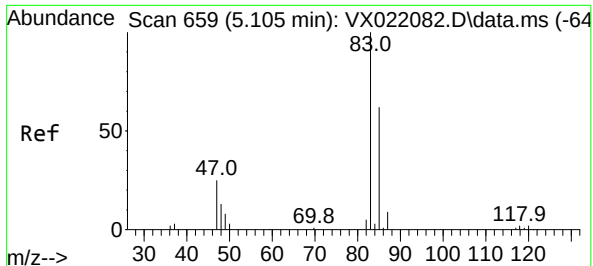
Tgt Ion: 43 Resp: 3959
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



#25
2-Butanone
Concen: 3.08 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 43 Resp: 2245
Ion Ratio Lower Upper
43 100
72 28.1 23.7 35.5





#30

Chloroform

Concen: 0.30 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX022269.D

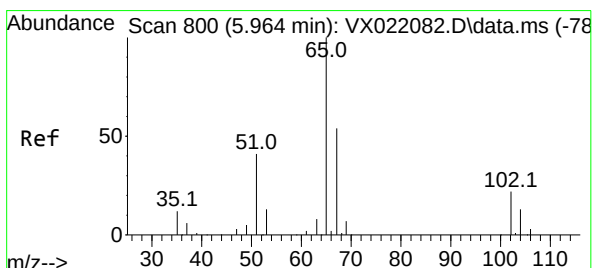
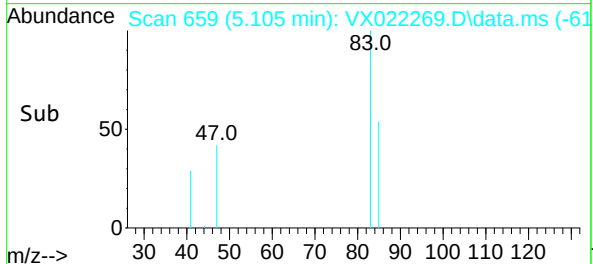
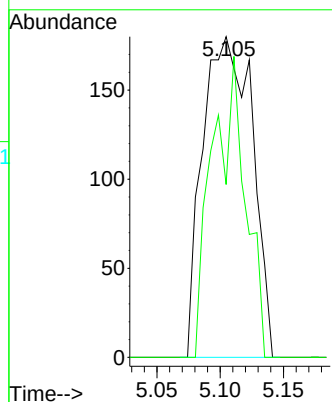
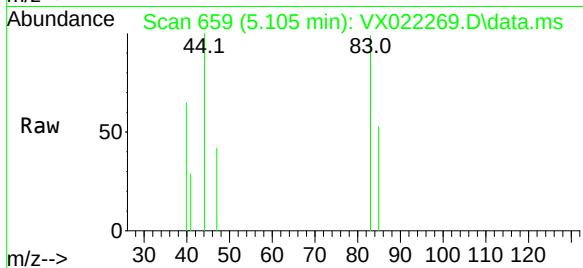
Acq: 28 May 2021 22:45

Tgt Ion: 83 Resp: 490

Ion Ratio Lower Upper

83 100

85 53.9 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 52.93 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX022269.D

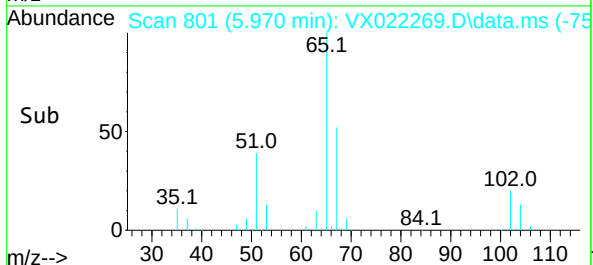
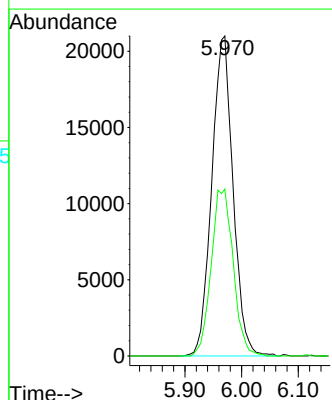
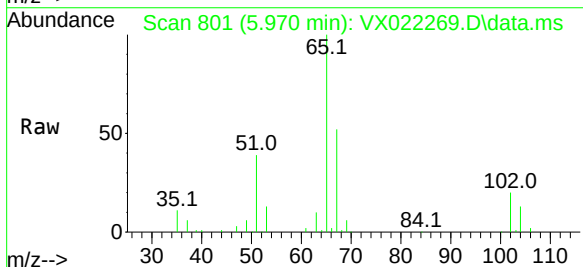
Acq: 28 May 2021 22:45

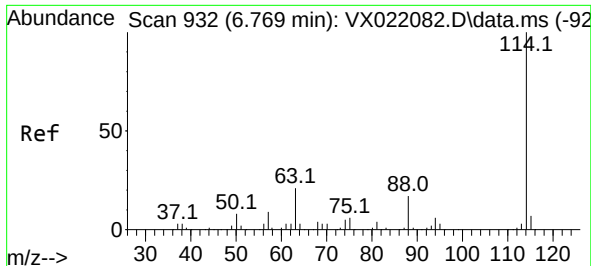
Tgt Ion: 65 Resp: 54700

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.4

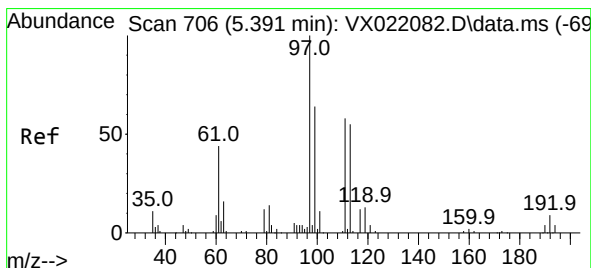
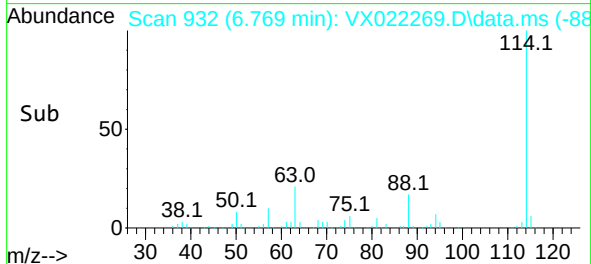
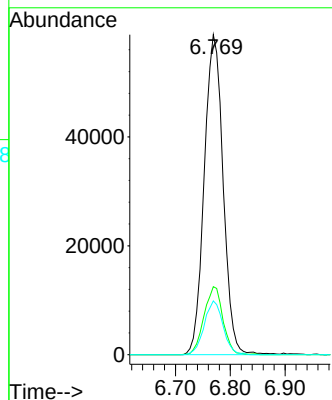
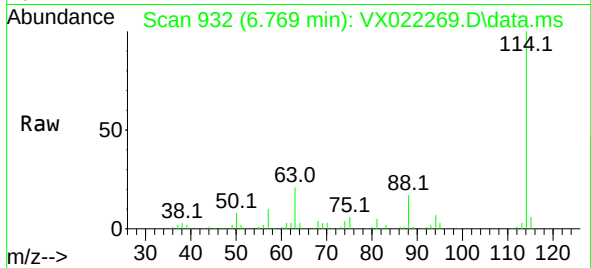




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

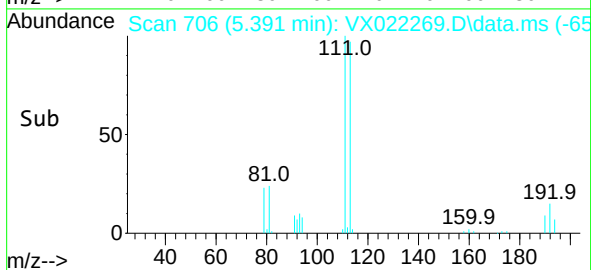
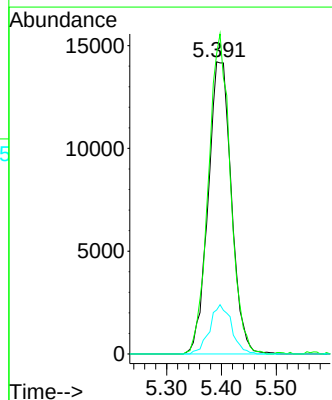
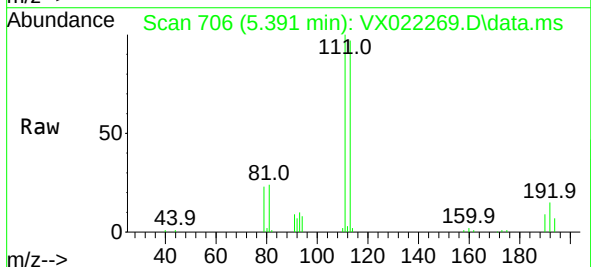
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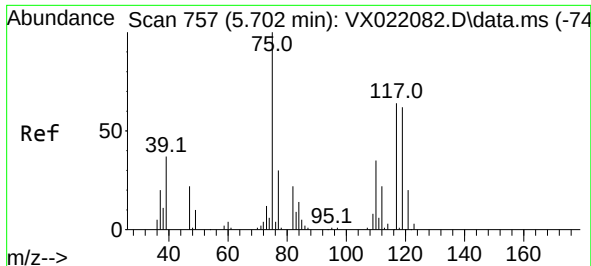
Tgt Ion:114 Resp: 140465
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 46.98 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion:113 Resp: 41852
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 15.9 16.7 25.1#

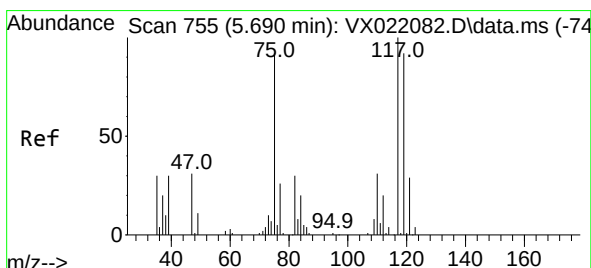
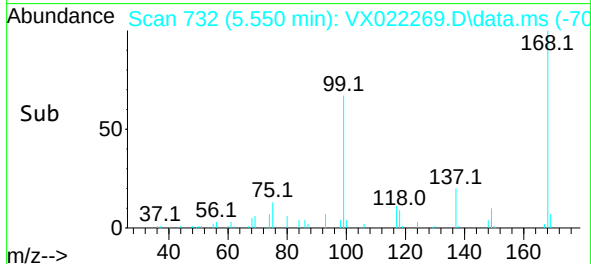
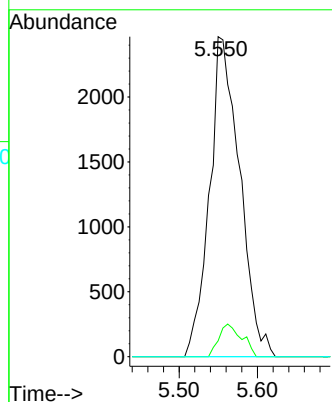
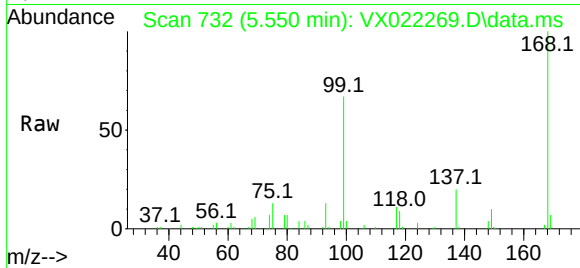




#36
1,1-Dichloropropene
Concen: 5.08 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.152 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

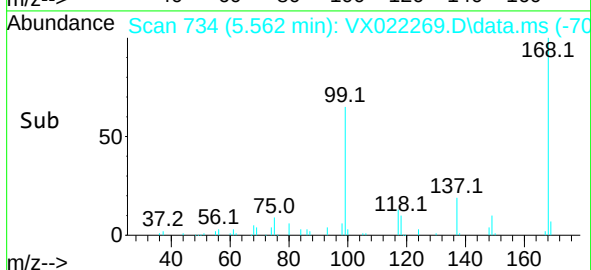
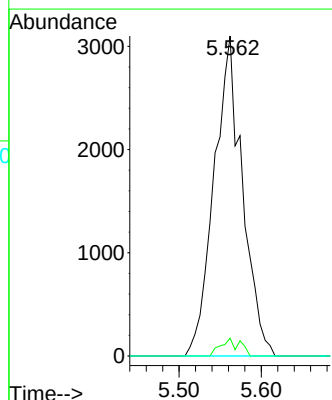
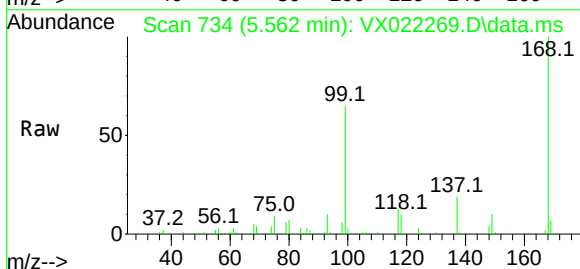
Instrument :
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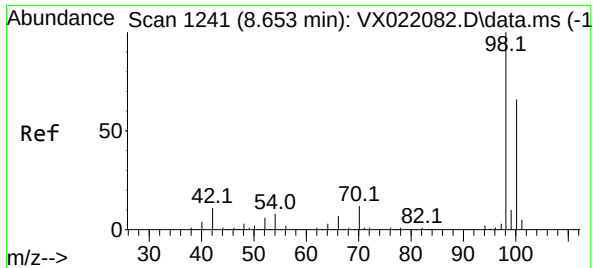
Tgt Ion: 75 Resp: 6600
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 117 Resp: 7421
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

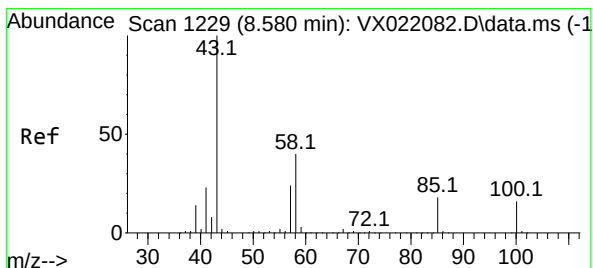
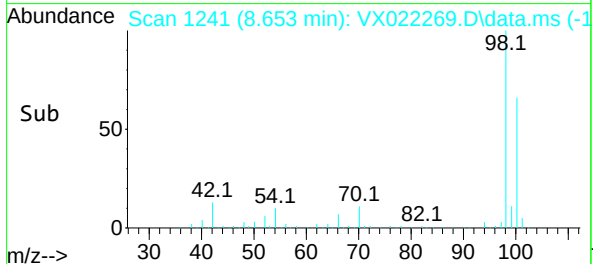
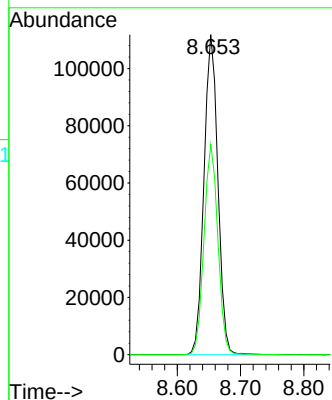
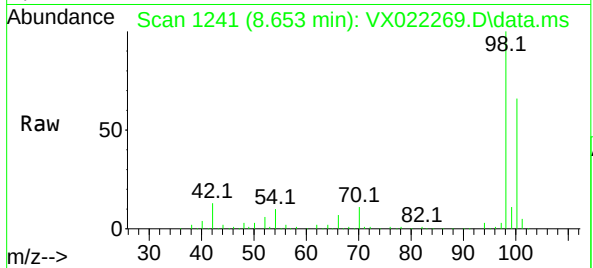




#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

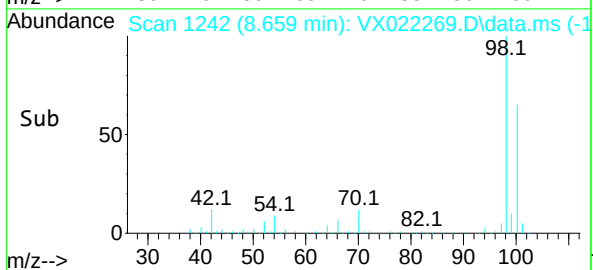
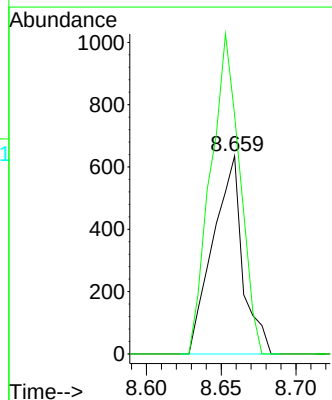
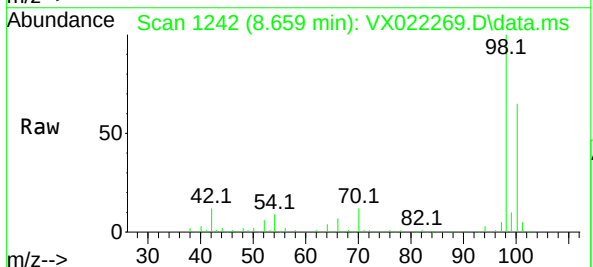
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

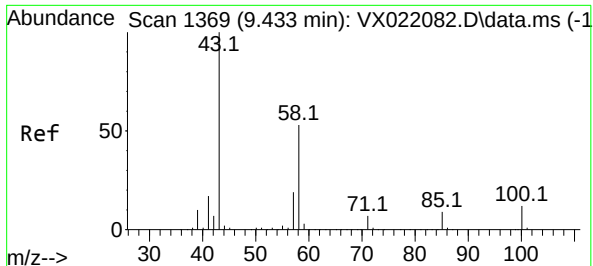
Tgt Ion: 98 Resp: 171227
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 158.8 35.4 53.0#

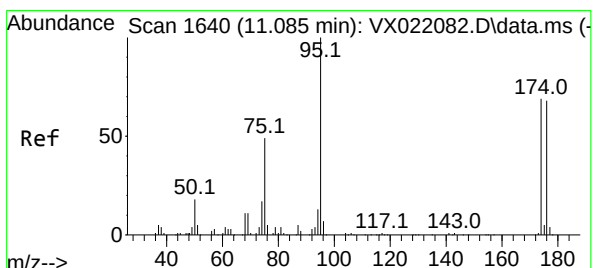
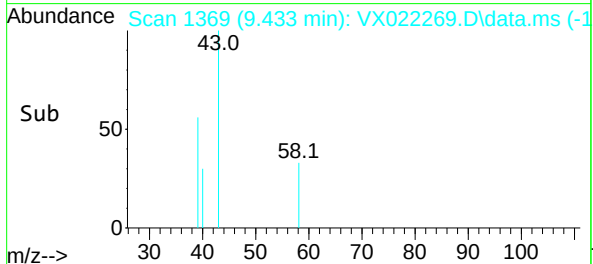
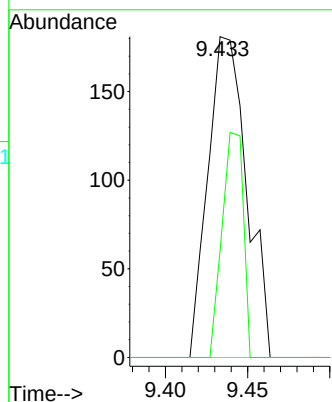
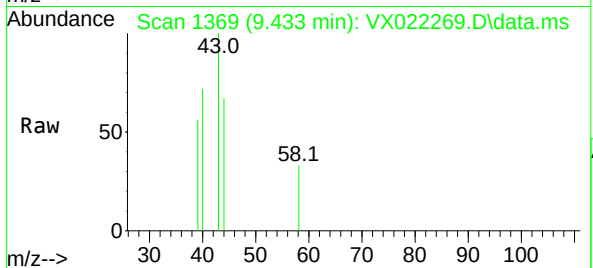




#59
2-Hexanone
Concen: 0.25 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

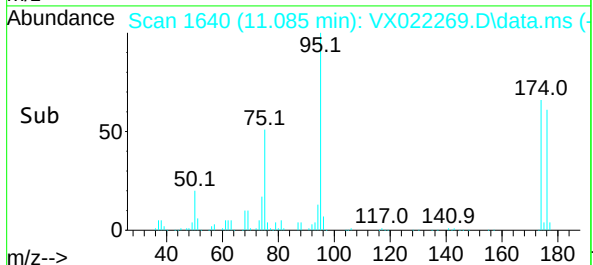
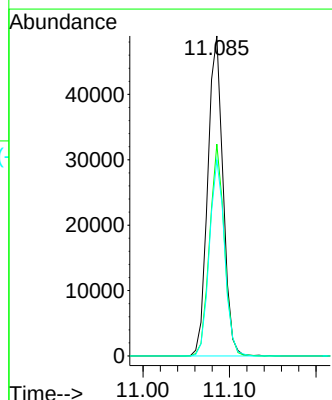
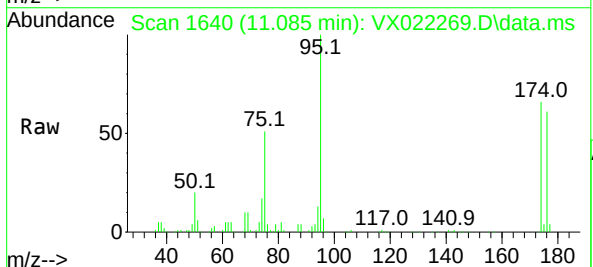
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

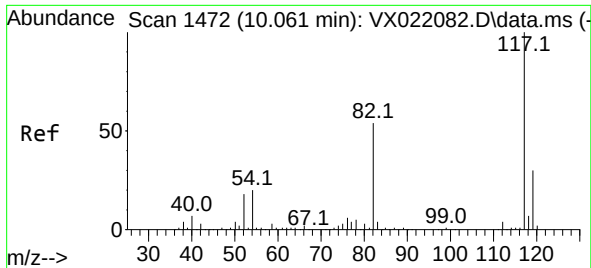
Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
58 38.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 47.22 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 95 Resp: 59884
Ion Ratio Lower Upper
95 100
174 63.7 0.0 154.6
176 60.5 0.0 155.8

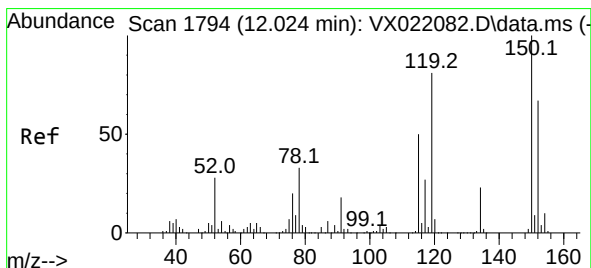
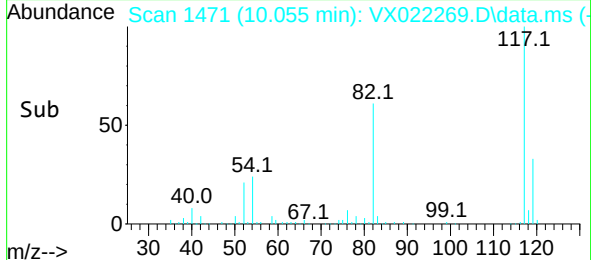
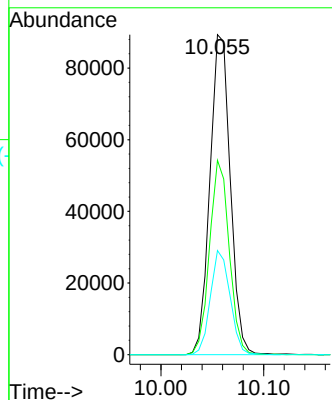
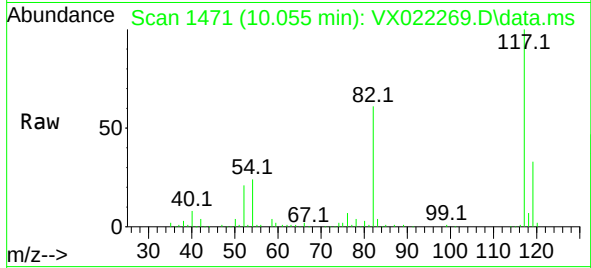




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

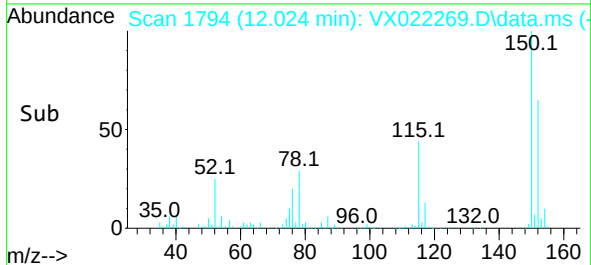
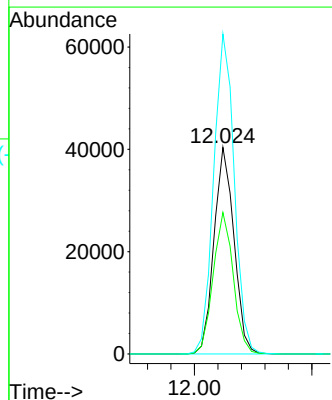
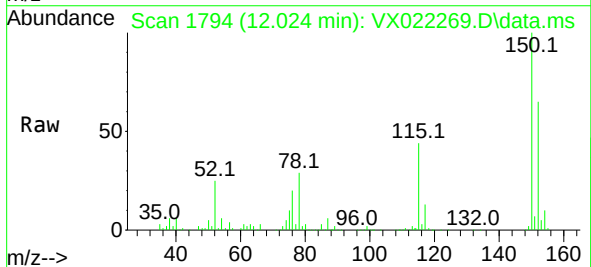
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

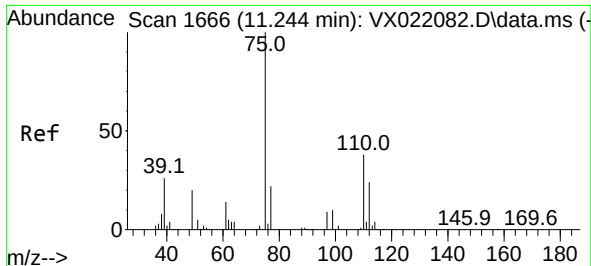
Tgt Ion:117 Resp: 123346
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion:152 Resp: 47620
Ion Ratio Lower Upper
152 100
115 69.2 41.1 123.3
150 159.6 0.0 349.0

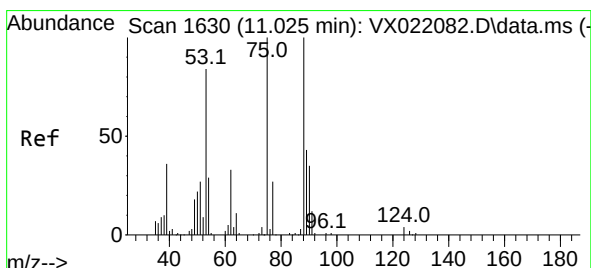
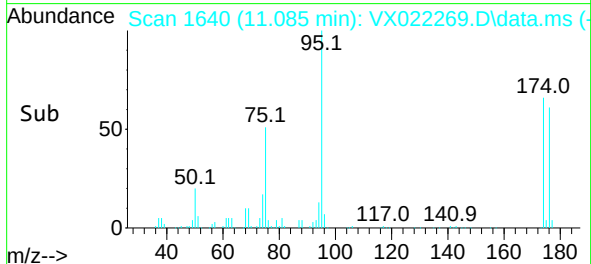
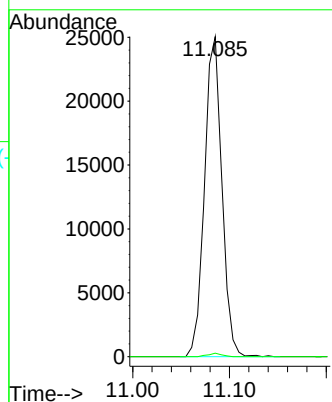
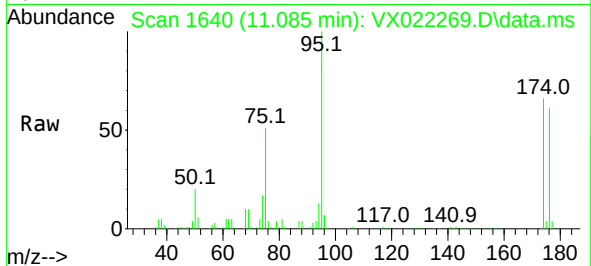




#76
1,2,3-Trichloropropane
Concen: 26.70 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Instrument :
MSVOA_X
ClientSampleId :
TB-01-20210526

Tgt Ion: 75 Resp: 31365
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.26 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022269.D
Acq: 28 May 2021 22:45

Tgt Ion: 75 Resp: 31365
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

