

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022128.D
 Acq On : 21 May 2021 20:12
 Operator : JC/MD
 Sample : M2467-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-BR3-SO-051921

Quant Time: May 22 04:58:51 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)

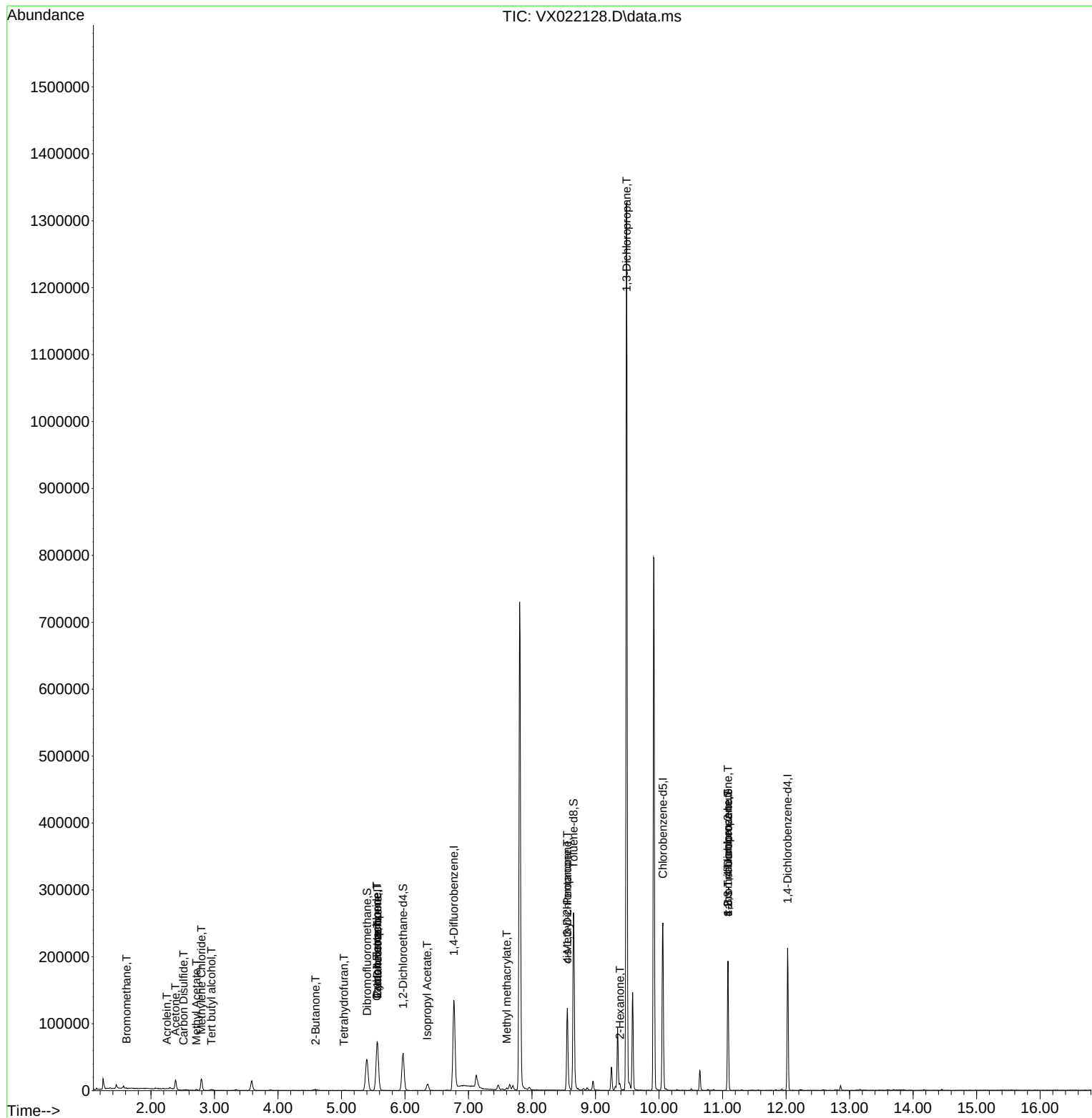
Internal Standards						
1) Pentafluorobenzene	5.568	168	62544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	130505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	110526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	50998	52.86	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.72%			
35) Dibromofluoromethane	5.403	113	40314	48.71	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.42%			
50) Toluene-d8	8.653	98	156085	48.96	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.92%			
62) 4-Bromofluorobenzene	11.085	95	51371	43.60	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.20%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	214	0.42	ug/l #	25
11) Tert butyl alcohol	2.952	59	1091	4.94	ug/l #	73
13) Acrolein	2.251	56	203	1.39	ug/l #	1
16) Acetone	2.385	43	15277	36.37	ug/l	97
17) Carbon Disulfide	2.513	76	472	0.25	ug/l #	75
18) Methyl Acetate	2.715	43	1874	1.68	ug/l #	77
20) Methylene Chloride	2.794	84	7255	7.78	ug/l #	81
25) 2-Butanone	4.592	43	2685	3.95	ug/l	99
29) Tetrahydrofuran	5.037	42	308	0.76	ug/l #	59
31) Cyclohexane	5.562	56	1677	1.38	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	6167	5.11	ug/l #	48
38) Carbon Tetrachloride	5.556	117	7250	6.14	ug/l #	14
43) Isopropyl Acetate	6.348	43	12543	5.18	ug/l	95
48) Methyl methacrylate	7.604	41	3756	3.37	ug/l #	10
51) 4-Methyl-2-Pentanone	8.555	43	41736	28.80	ug/l #	47
54) cis-1,3-Dichloropropene	8.555	75	20823	13.05	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	11481	7.04	ug/l #	42
59) 2-Hexanone	9.384	43	4529	4.15	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	26668	27.16	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	26668	64.35	ug/l #	12

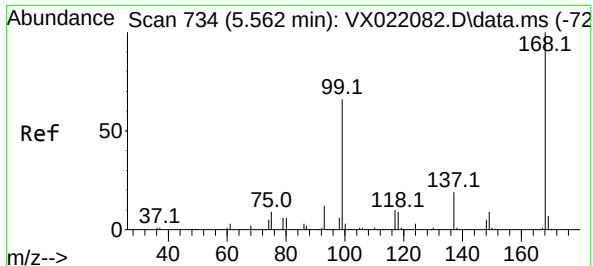
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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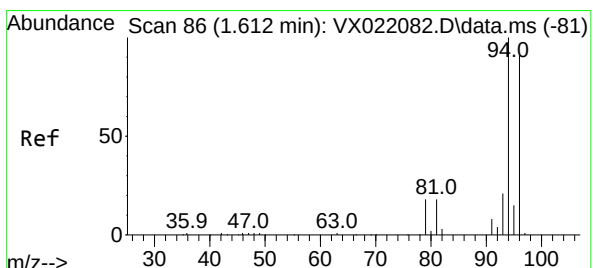
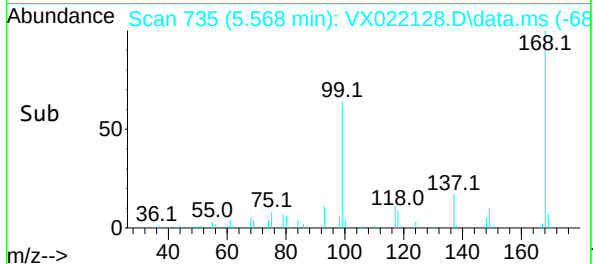
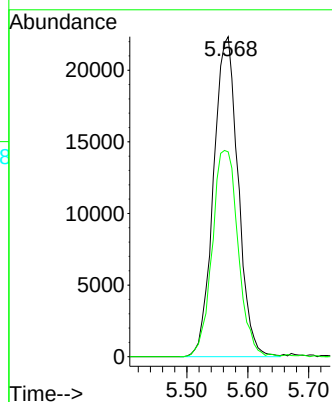
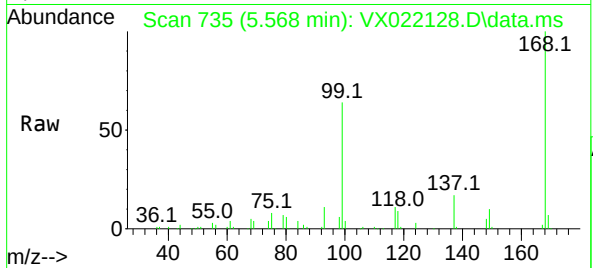




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

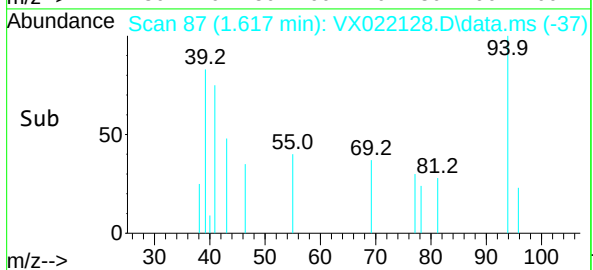
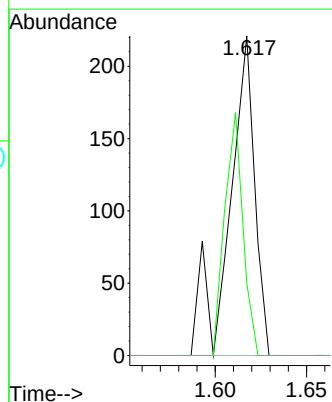
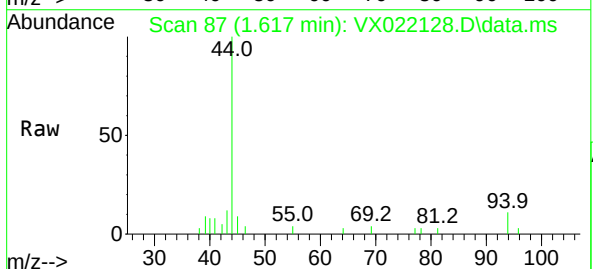
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

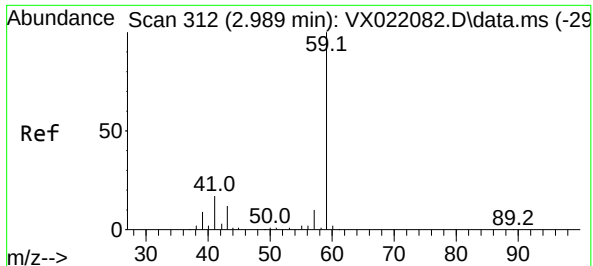
Tgt Ion:168 Resp: 62544
Ion Ratio Lower Upper
168 100
99 64.0 45.8 68.6



#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 94 Resp: 214
Ion Ratio Lower Upper
94 100
96 22.6 76.4 114.6#



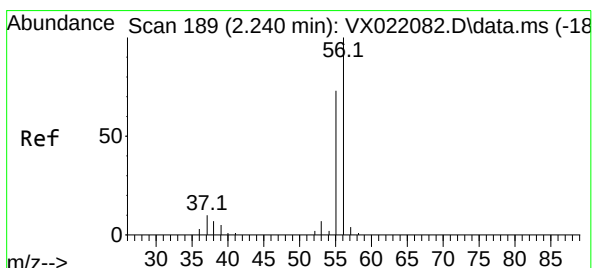
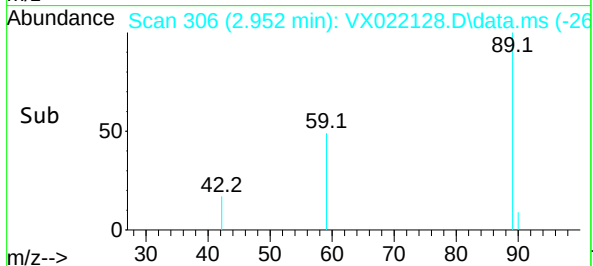
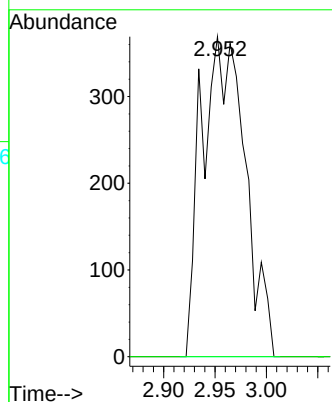
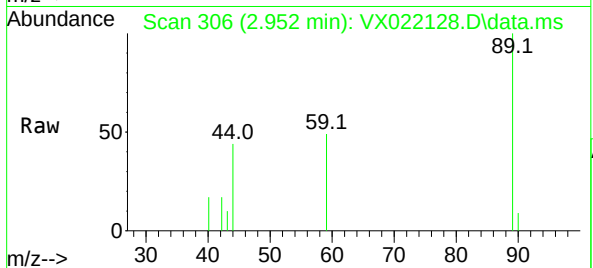


#11

Tert butyl alcohol
Concen: 4.94 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Instrument :
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ClientSampleId :
IDW-BR3-SO-051921

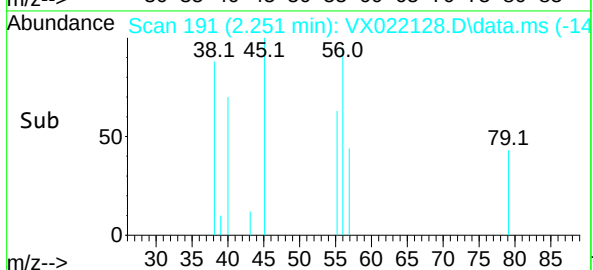
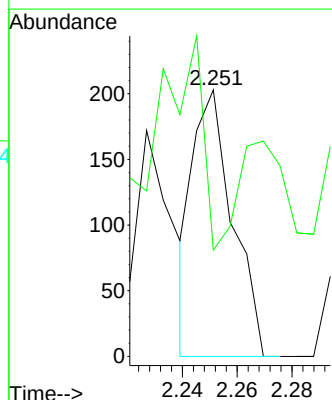
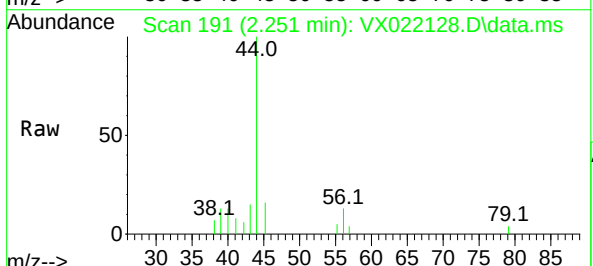
Tgt Ion: 59 Resp: 1091
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

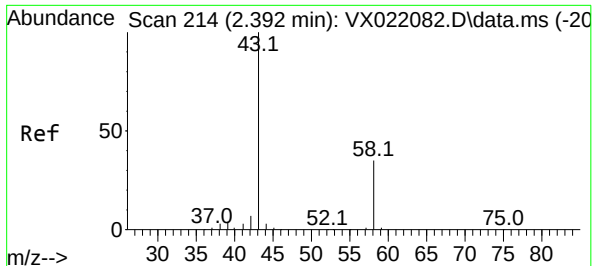


#13

Acrolein
Concen: 1.39 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.011 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 196.1 56.4 84.6#

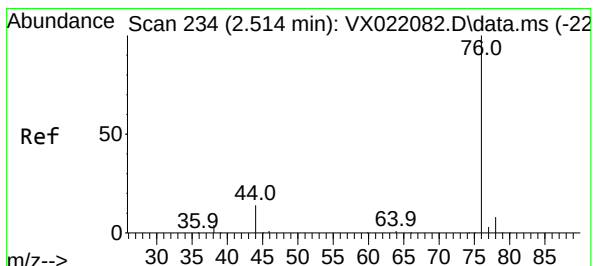
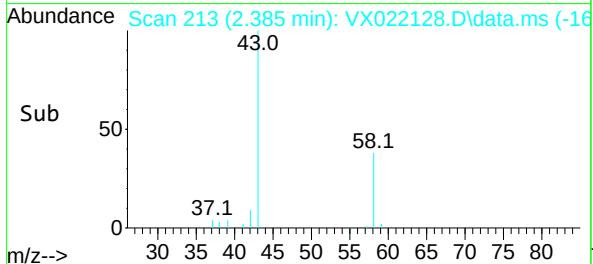
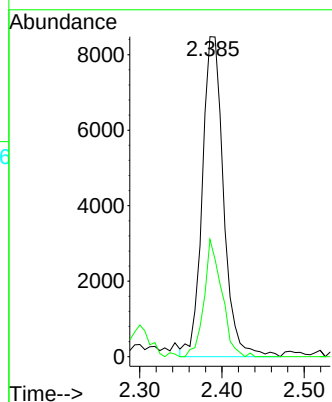
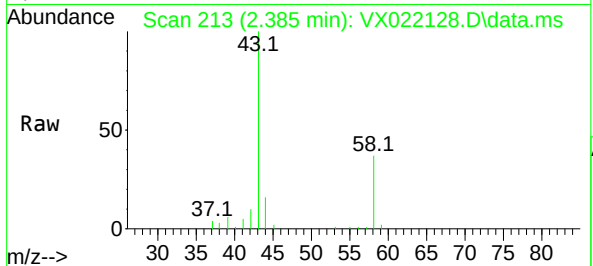




#16
Acetone
Concen: 36.37 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

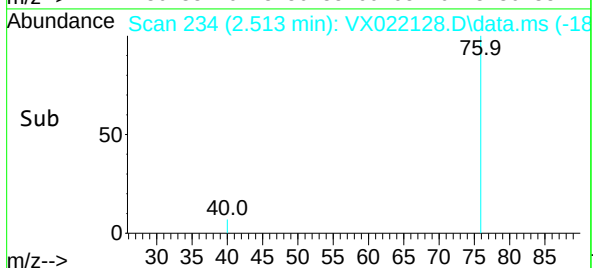
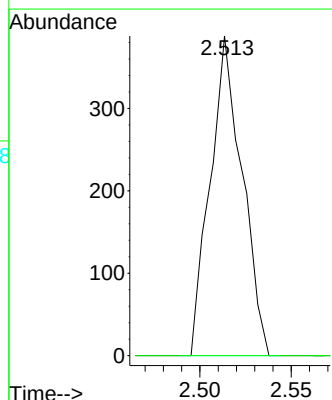
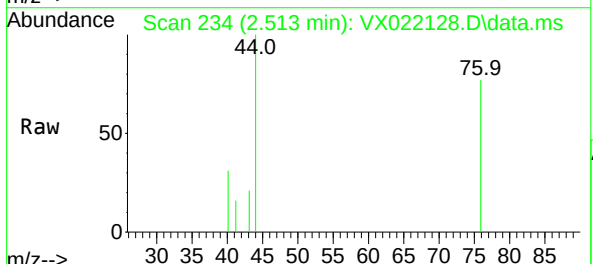
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

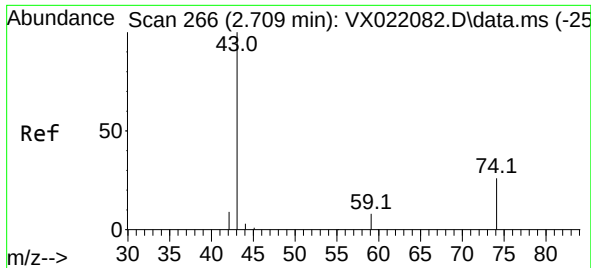
Tgt Ion: 43 Resp: 15277
Ion Ratio Lower Upper
43 100
58 36.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 76 Resp: 472
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

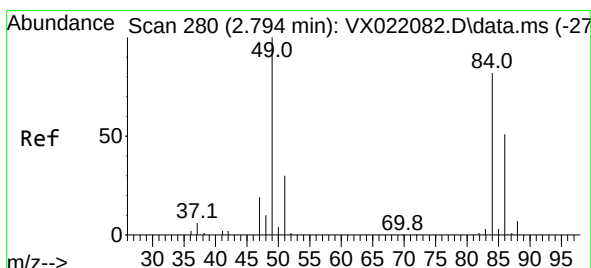
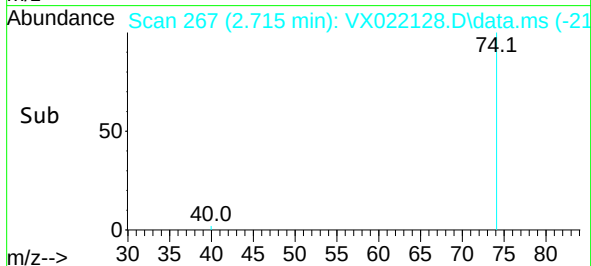
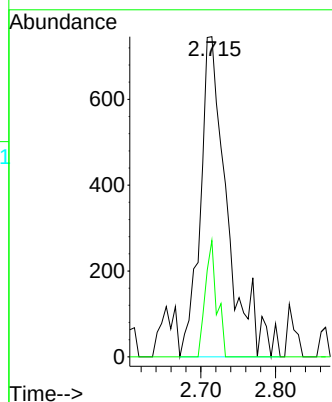
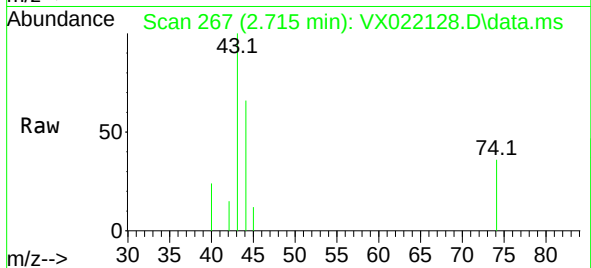




#18
Methyl Acetate
Concen: 1.68 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

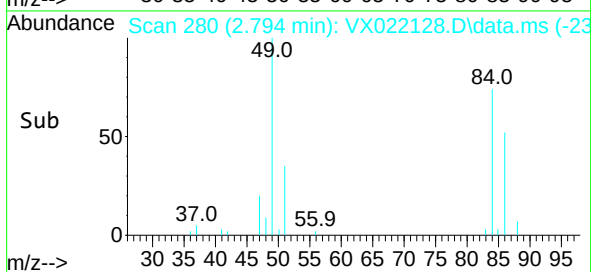
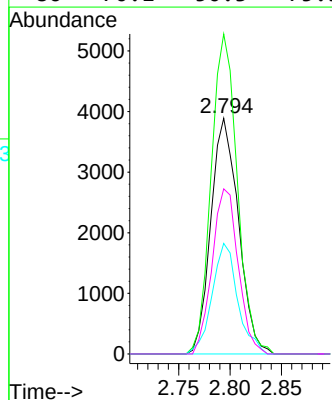
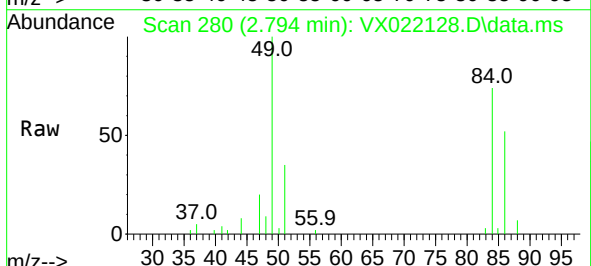
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

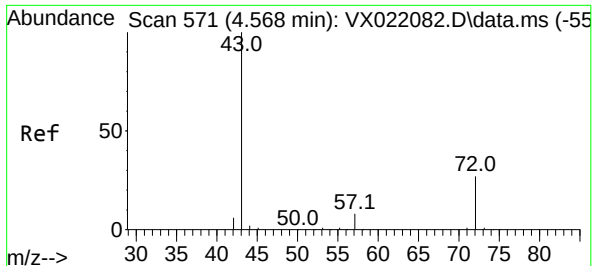
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
74 15.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.78 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 84 Resp: 7255
Ion Ratio Lower Upper
84 100
49 135.8 88.6 132.8#
51 46.9 27.0 40.6#
86 70.1 50.3 75.5

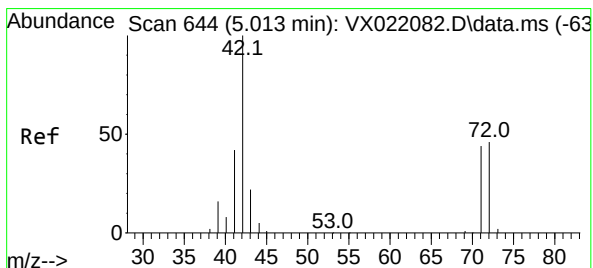
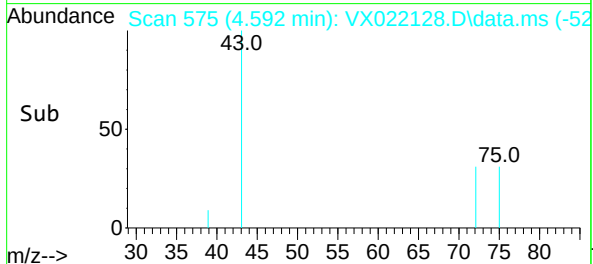
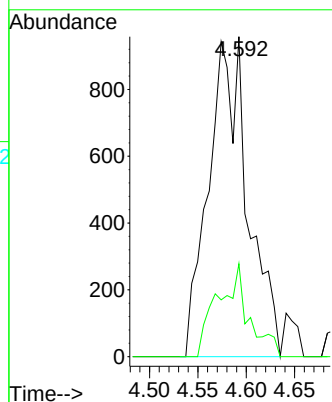
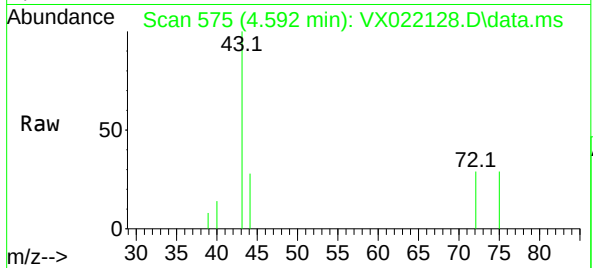




#25
2-Butanone
Concen: 3.95 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

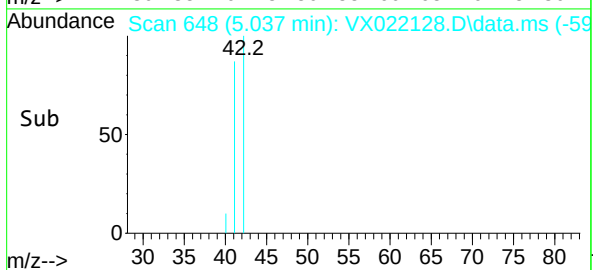
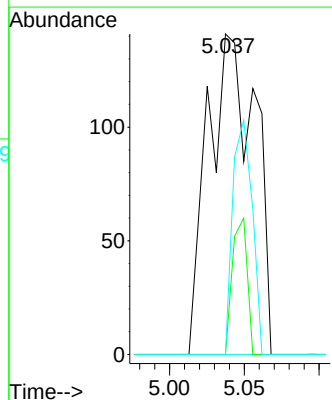
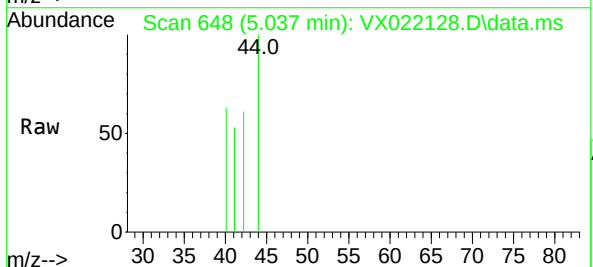
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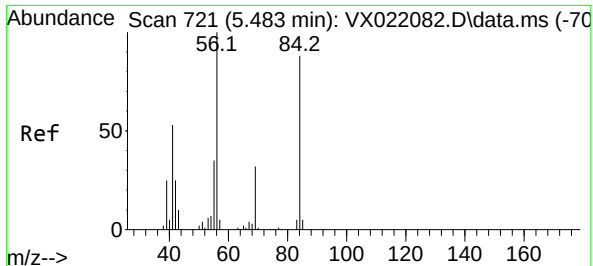
Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
72 29.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.76 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.024 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

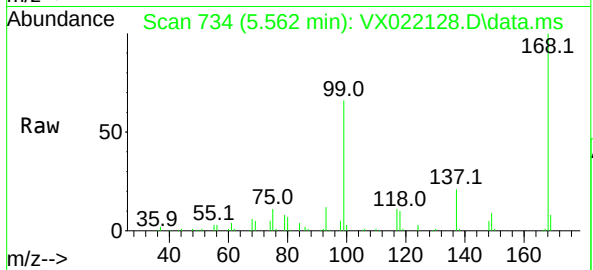
Tgt Ion: 42 Resp: 308
Ion Ratio Lower Upper
42 100
72 13.3 41.7 62.5#
71 30.2 38.4 57.6#



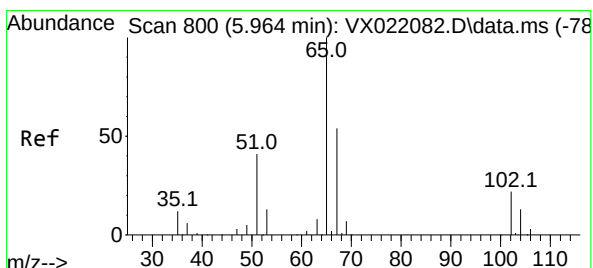
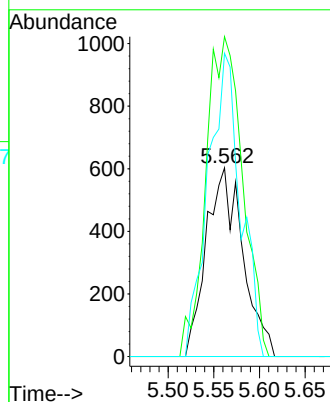
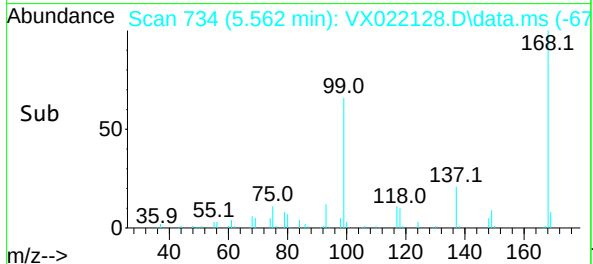


#31
Cyclohexane
Concen: 1.38 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

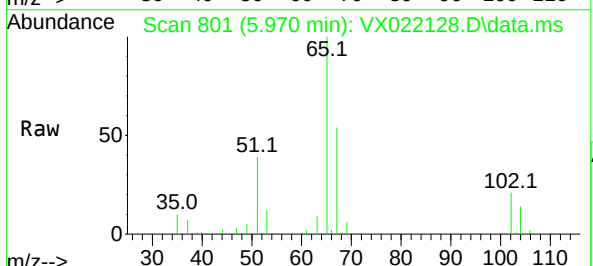
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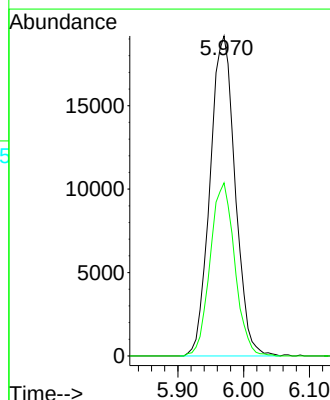
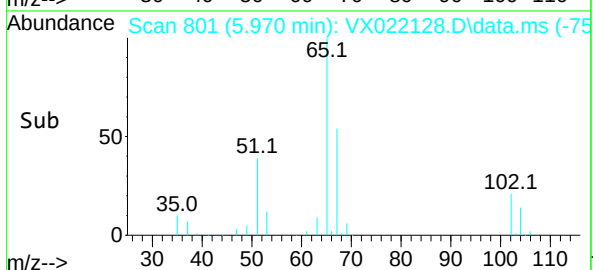
Tgt Ion: 56 Resp: 1677
Ion Ratio Lower Upper
56 100
69 169.5 25.3 37.9#
84 160.7 71.4 107.0#

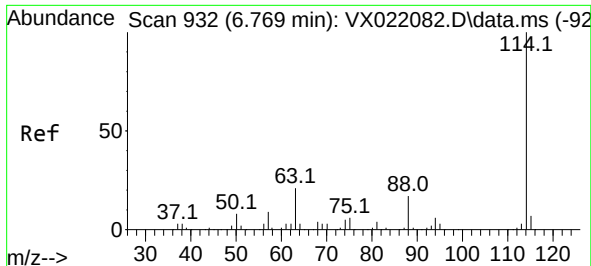


#33
1,2-Dichloroethane-d4
Concen: 52.86 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12



Tgt Ion: 65 Resp: 50998
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

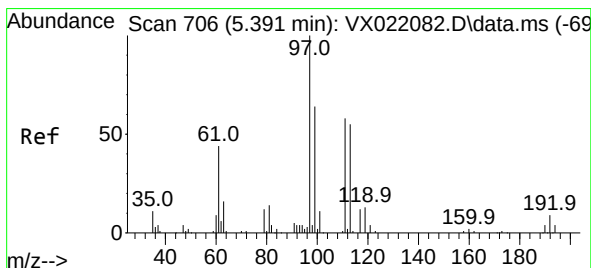
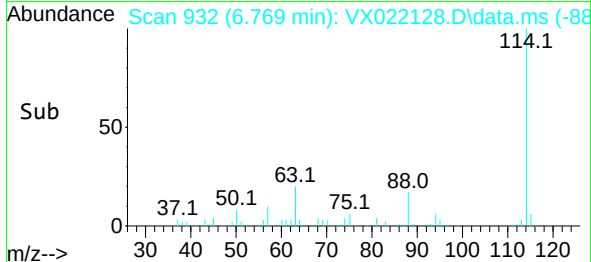
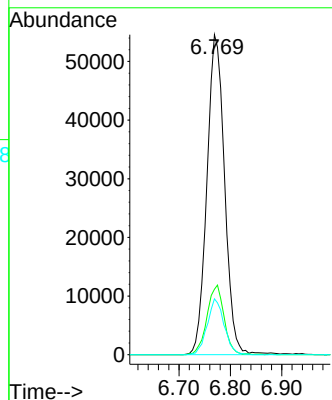
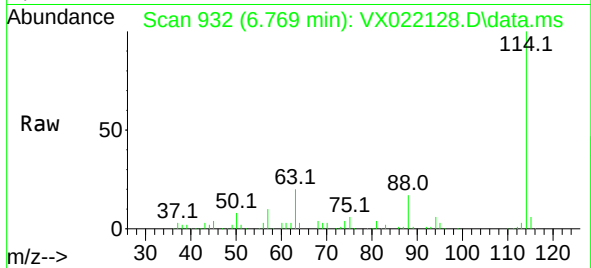




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

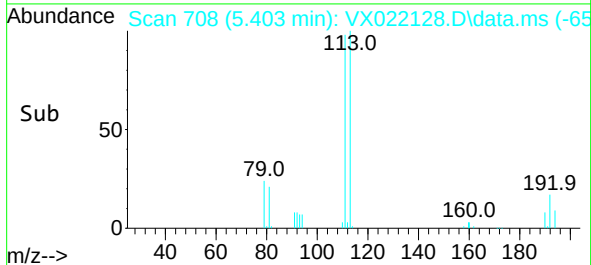
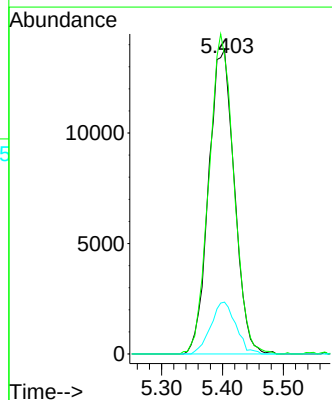
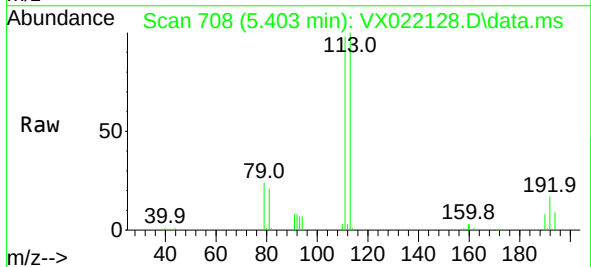
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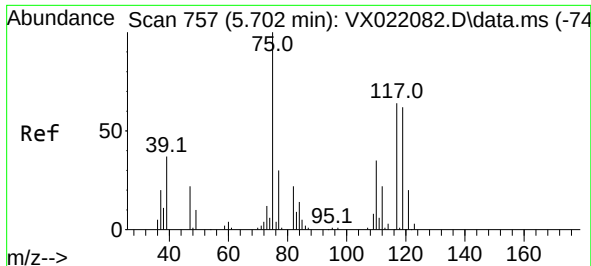
Tgt Ion:114 Resp: 130505
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 17.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.71 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion:113 Resp: 40314
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 16.7 16.7 25.1#

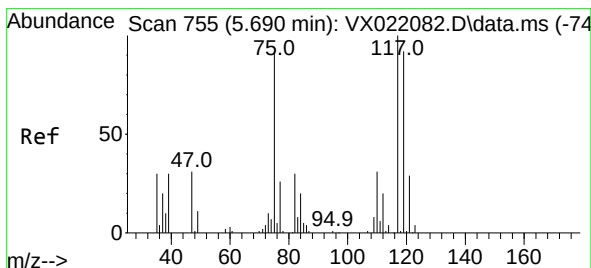
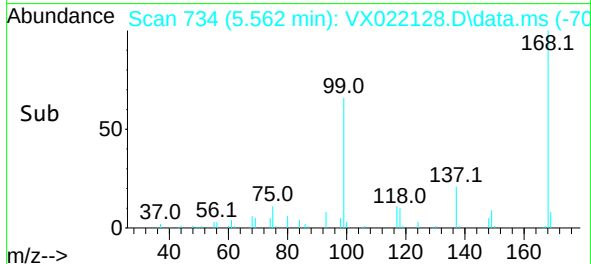
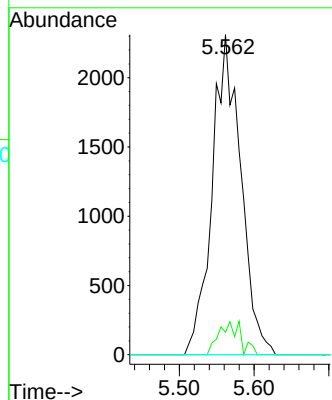
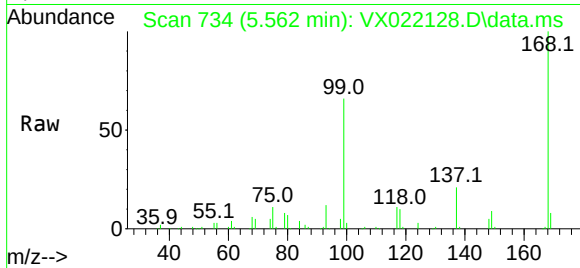




#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

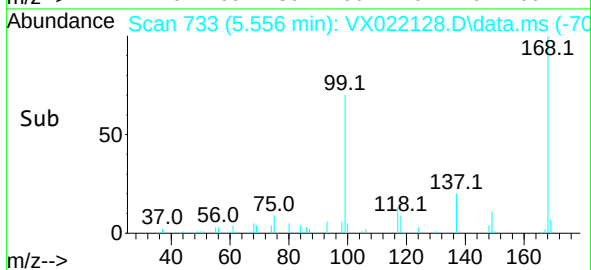
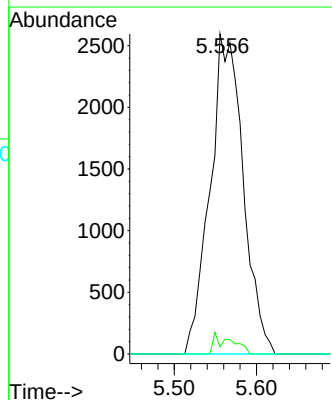
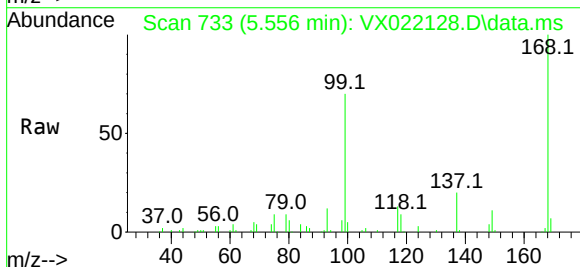
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

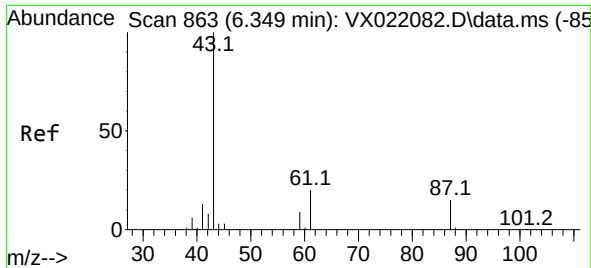
Tgt Ion: 75 Resp: 6167
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 117 Resp: 7250
Ion Ratio Lower Upper
117 100
119 2.2 76.2 114.2#
121 0.0 24.8 37.2#

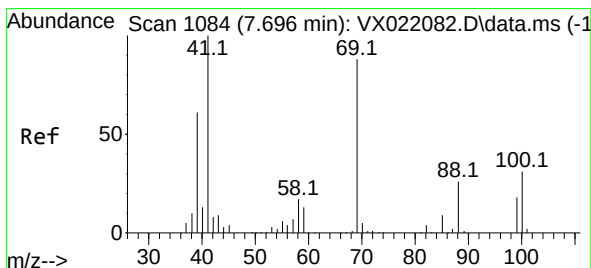
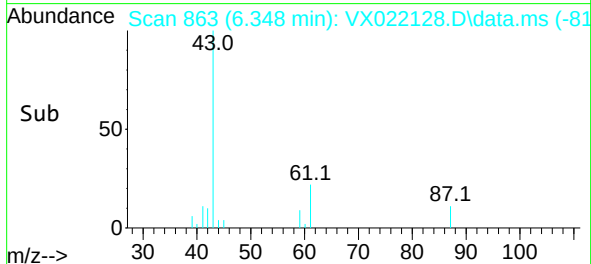
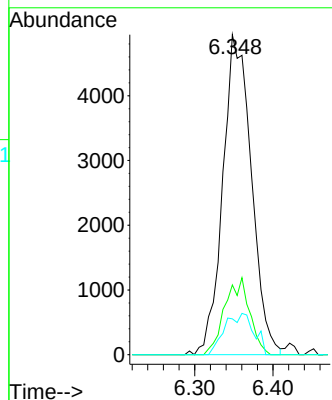
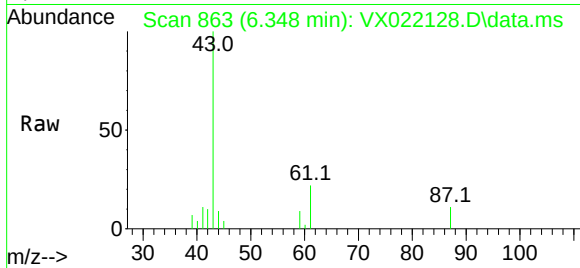




#43
Isopropyl Acetate
Concen: 5.18 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

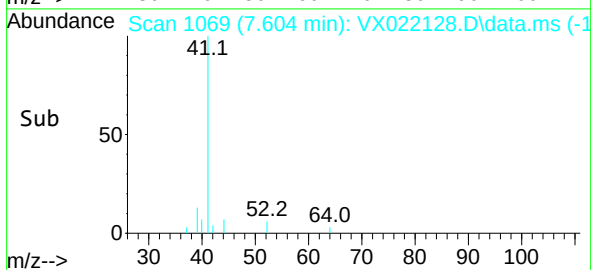
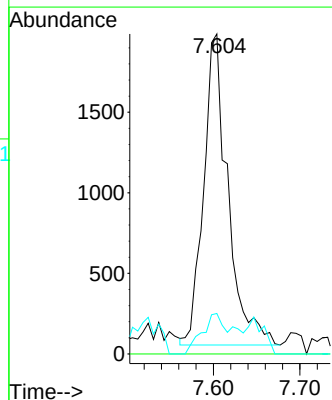
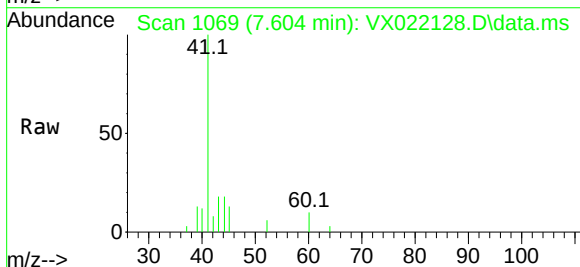
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

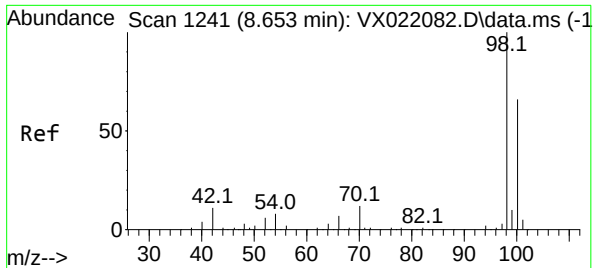
Tgt Ion:	43	Resp:	12543
Ion	Ratio	Lower	Upper
43	100		
61	20.9	18.2	27.4
87	13.2	12.5	18.7



#48
Methyl methacrylate
Concen: 3.37 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion:	41	Resp:	3756
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

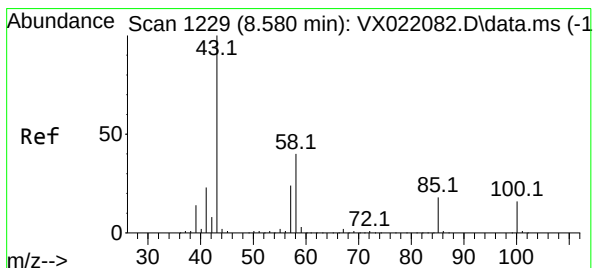
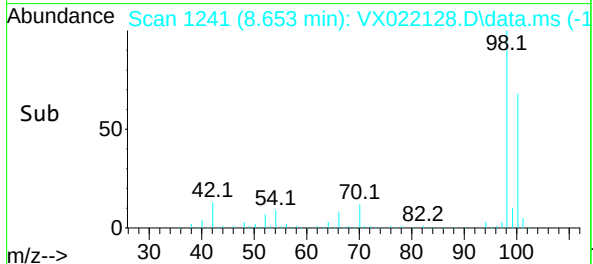
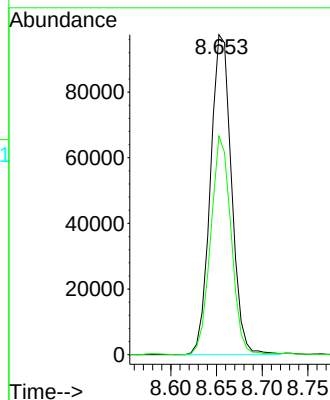
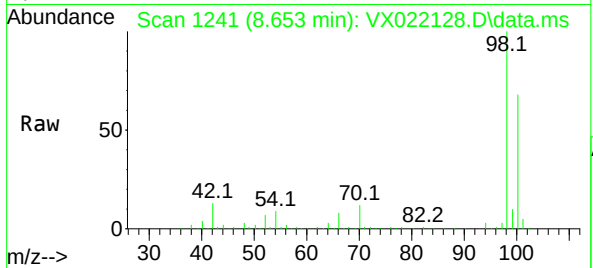




#50
Toluene-d8
Concen: 48.96 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

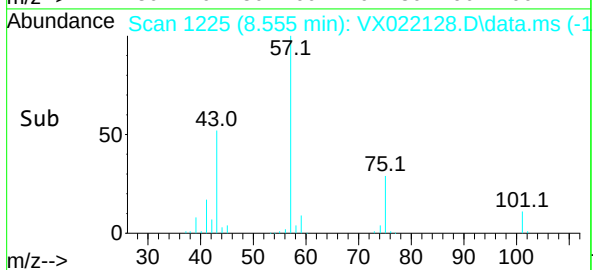
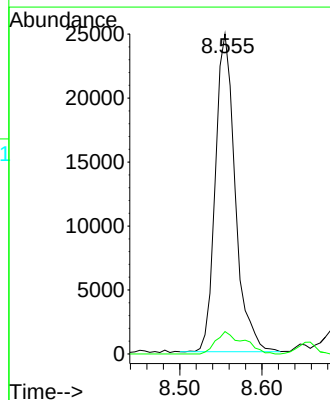
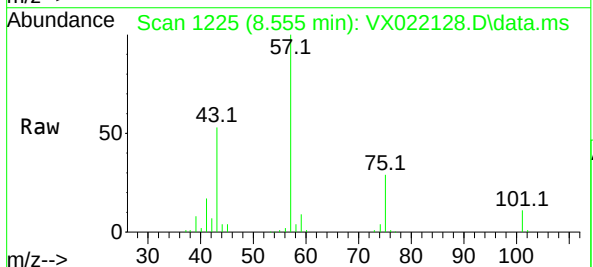
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

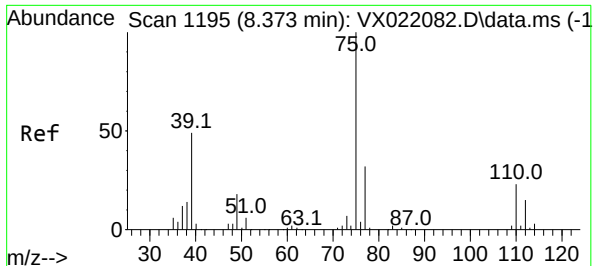
Tgt Ion: 98 Resp: 156085
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.80 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 43 Resp: 41736
Ion Ratio Lower Upper
43 100
58 9.8 35.4 53.0#

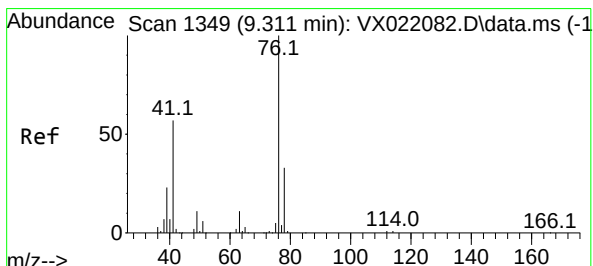
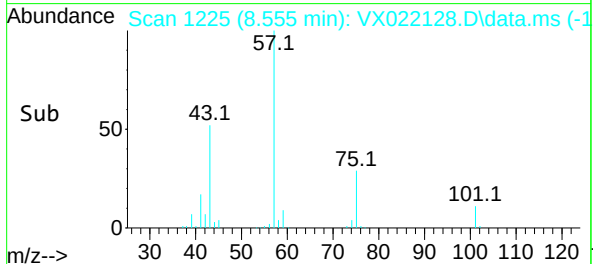
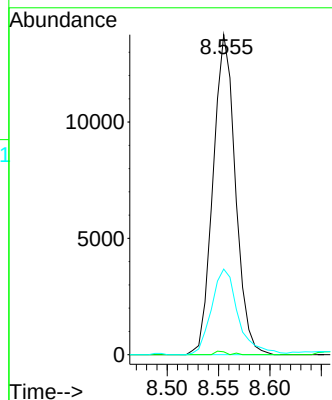
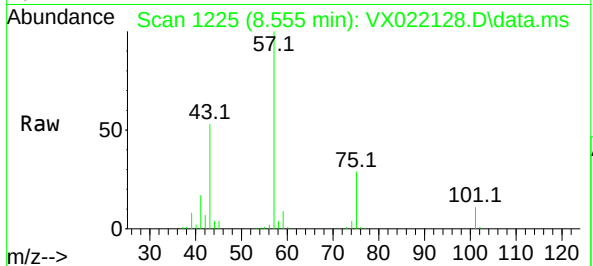




#54
 cis-1,3-Dichloropropene
 Concen: 13.05 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX022128.D
 Acq: 21 May 2021 20:12

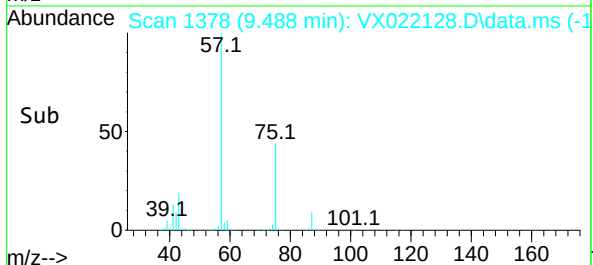
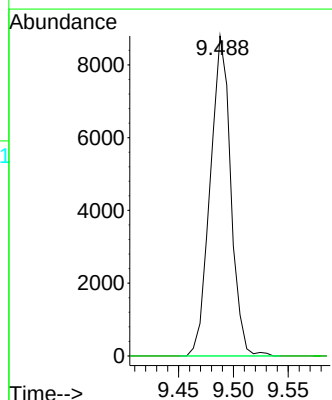
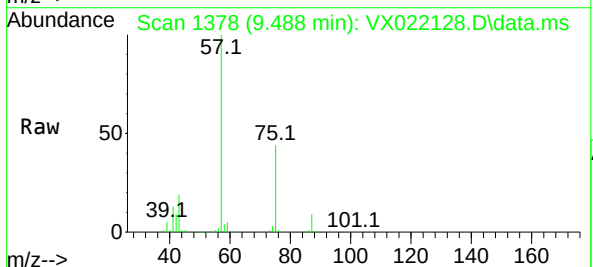
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-BR3-SO-051921

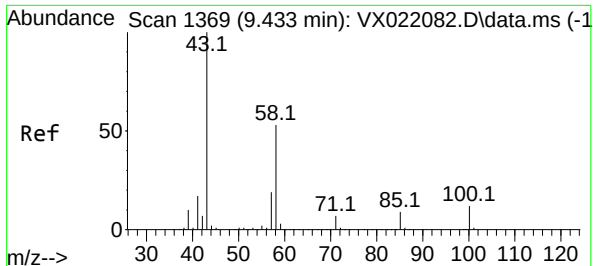
Tgt Ion: 75 Resp: 20823
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.7 38.5#
 39 26.8 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.04 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX022128.D
 Acq: 21 May 2021 20:12

Tgt Ion: 76 Resp: 11481
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

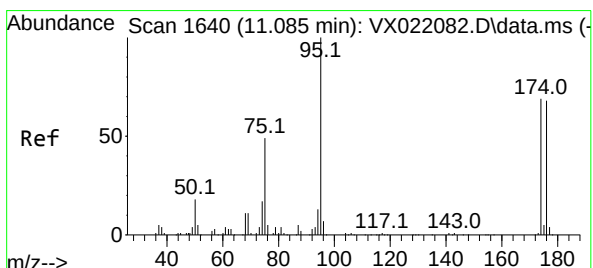
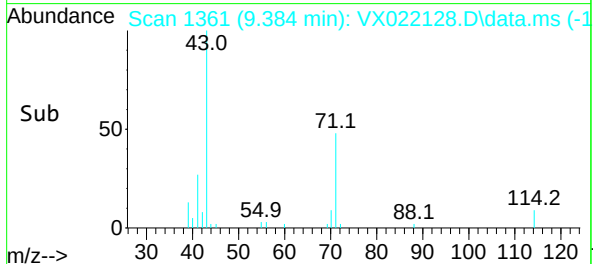
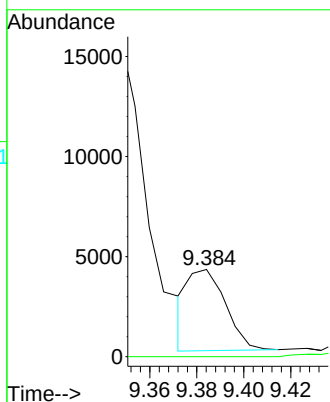
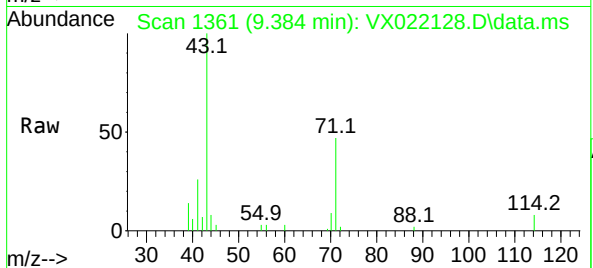




#59
2-Hexanone
Concen: 4.15 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

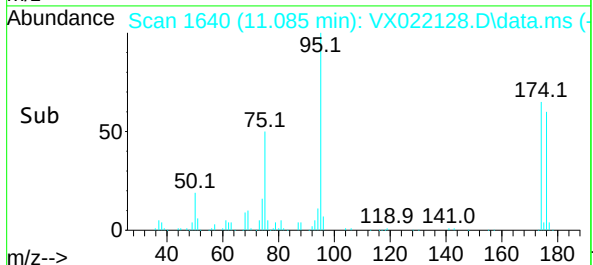
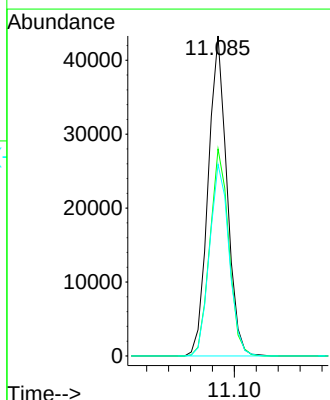
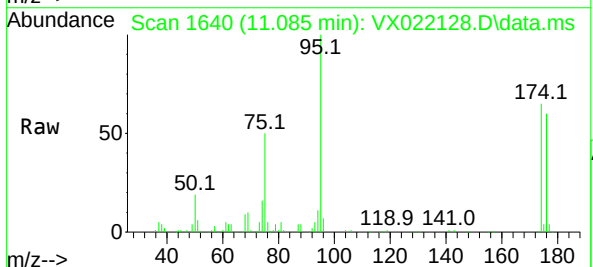
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

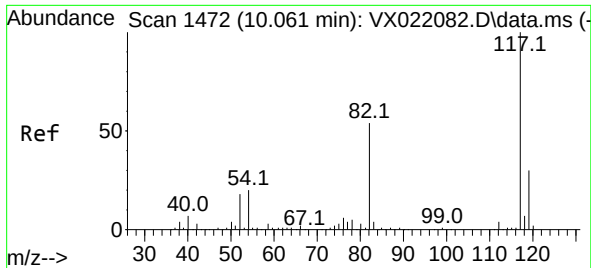
Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 43.60 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion: 95 Resp: 51371
Ion Ratio Lower Upper
95 100
174 65.3 0.0 154.6
176 62.4 0.0 155.8

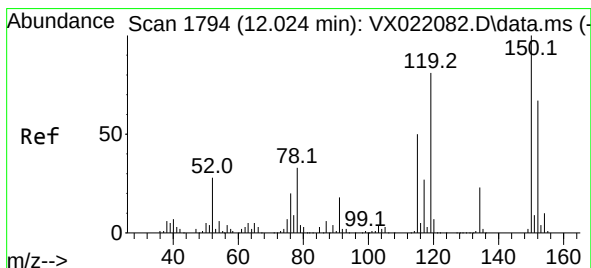
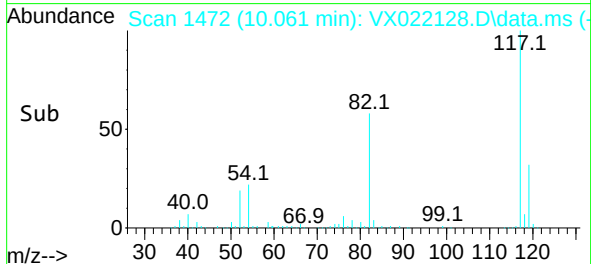
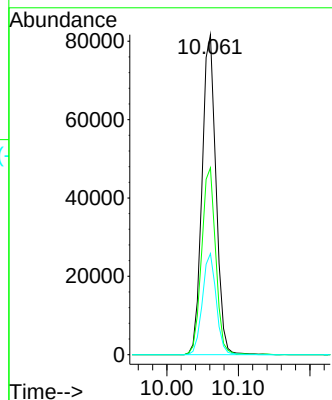
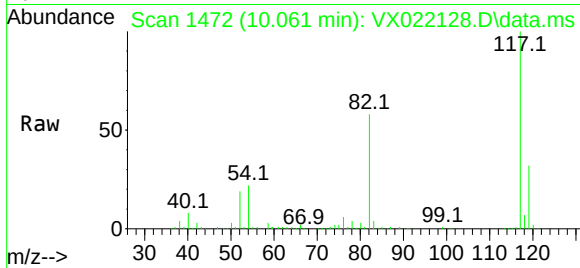




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

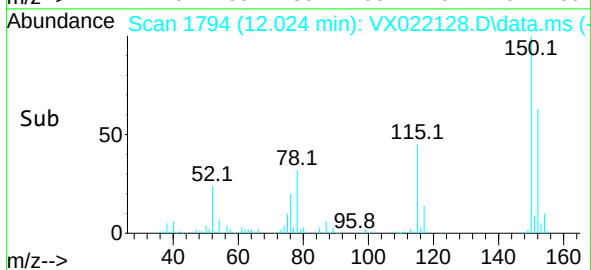
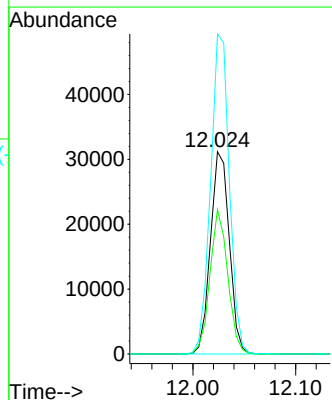
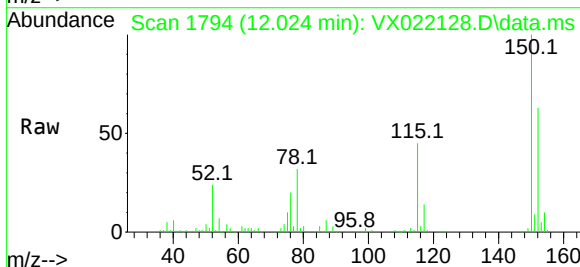
Instrument :
MSVOA_X
ClientSampleId :
IDW-BR3-SO-051921

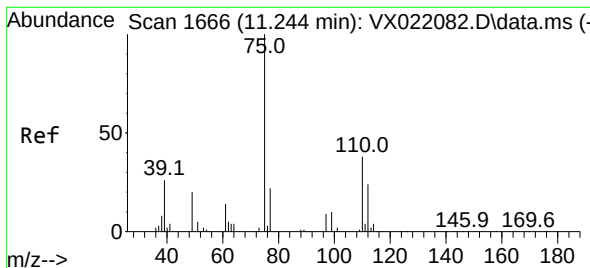
Tgt Ion:117 Resp: 110526
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022128.D
Acq: 21 May 2021 20:12

Tgt Ion:152 Resp: 39803
Ion Ratio Lower Upper
152 100
115 67.4 41.1 123.3
150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.16 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022128.D

Acq: 21 May 2021 20:12

Tgt Ion: 75 Resp: 26668

Ion Ratio Lower Upper

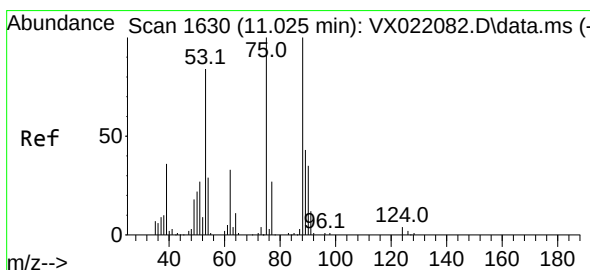
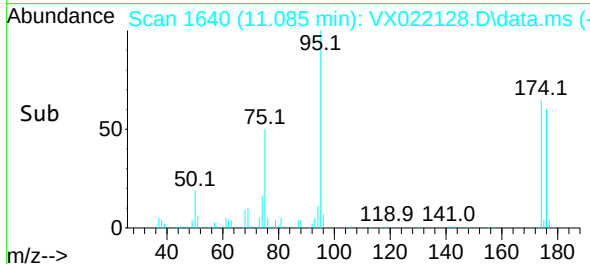
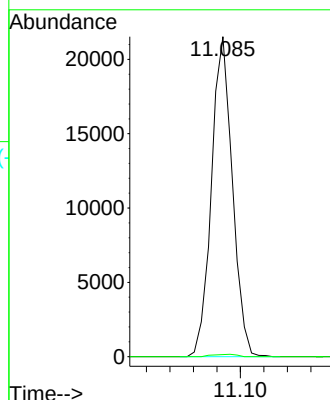
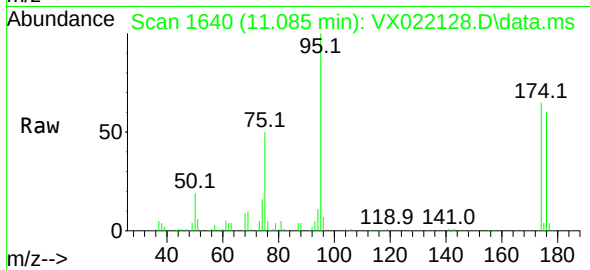
75 100
77 0.9 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

IDW-BR3-SO-051921



#81

trans-1,4-Dichloro-2-butene

Concen: 64.35 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022128.D

Acq: 21 May 2021 20:12

Tgt Ion: 75 Resp: 26668

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

