

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
 Data File : VX021359.D
 Acq On : 22 Mar 2021 15:36
 Operator : JC/MD
 Sample : M1735-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210316

Quant Time: Mar 23 02:01:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

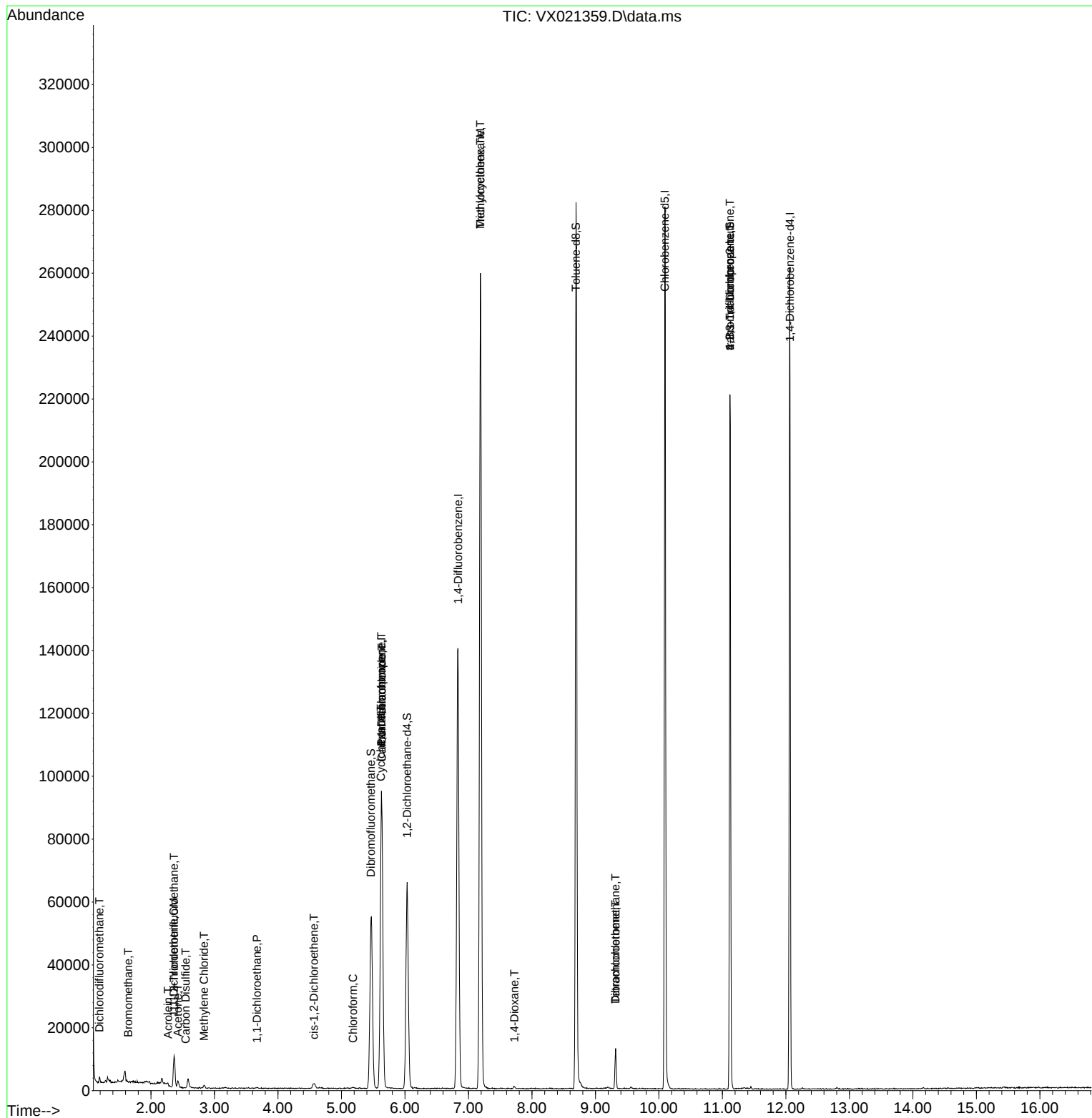
Internal Standards						
1) Pentafluorobenzene	5.629	168	80282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	131299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	47688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	63275	48.05	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.10%		
35) Dibromofluoromethane	5.464	113	44712	50.04	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.08%		
50) Toluene-d8	8.694	98	162390	50.09	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.18%		
62) 4-Bromofluorobenzene	11.118	95	57950	46.03	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.06%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	542	0.57	ug/l	97
3) Chloromethane	1.317	50	1950	Below Cal		96
5) Bromomethane	1.640	94	201	0.47	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	3444	4.10	ug/l	97
12) 1,1-Dichloroethene	2.358	96	437	0.53	ug/l	87
13) Acrolein	2.270	56	26	3.32	ug/l #	1
16) Acetone	2.423	43	2116	4.37	ug/l #	83
17) Carbon Disulfide	2.546	76	44	0.55	ug/l #	75
20) Methylene Chloride	2.834	84	392	0.39	ug/l #	76
24) 1,1-Dichloroethane	3.670	63	465	0.27	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	1168	1.11	ug/l	98
30) Chloroform	5.182	83	413	0.23	ug/l	94
31) Cyclohexane	5.623	56	2359	1.48	ug/l #	64
36) 1,1-Dichloropropene	5.629	75	7445	5.63	ug/l #	49
38) Carbon Tetrachloride	5.635	117	9057	6.59	ug/l #	15
39) Methylcyclohexane	7.188	83	1197	0.81	ug/l #	1
44) Trichloroethene	7.188	130	92469	95.48	ug/l	99
49) 1,4-Dioxane	7.723	88	459	9.12	ug/l #	78
60) Dibromochloromethane	9.318	129	2128	2.03	ug/l #	11
64) Tetrachloroethene	9.318	164	2056	2.38	ug/l #	89
76) 1,2,3-Trichloropropane	11.118	75	32103	29.02	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	32103	78.79	ug/l #	12

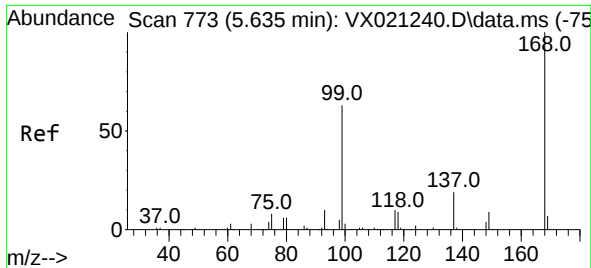
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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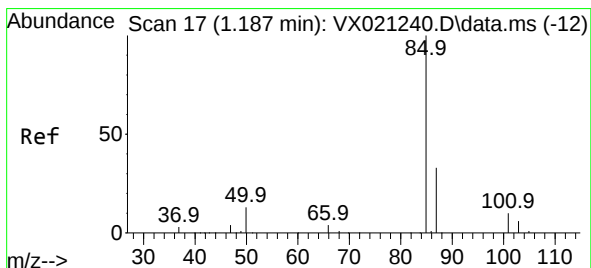
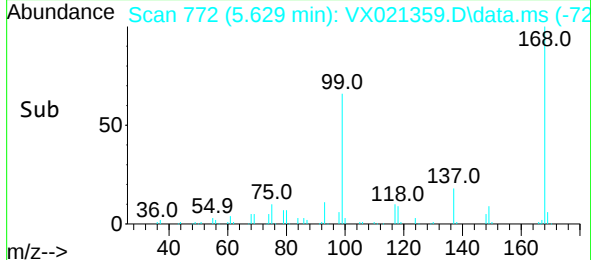
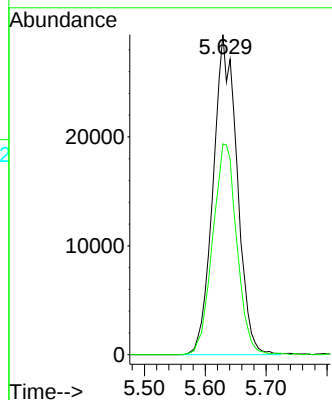
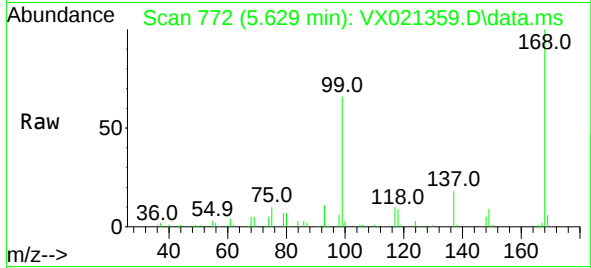




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

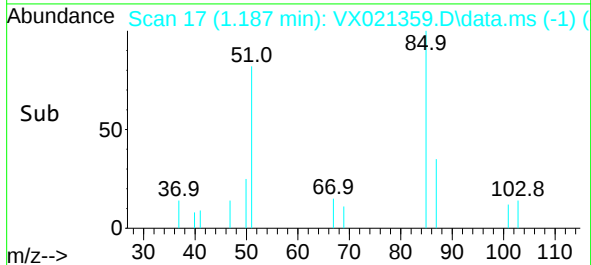
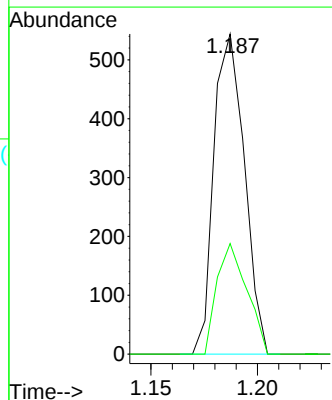
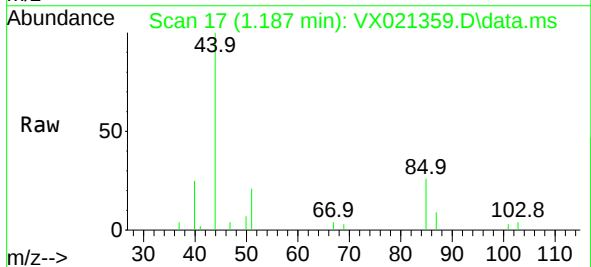
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

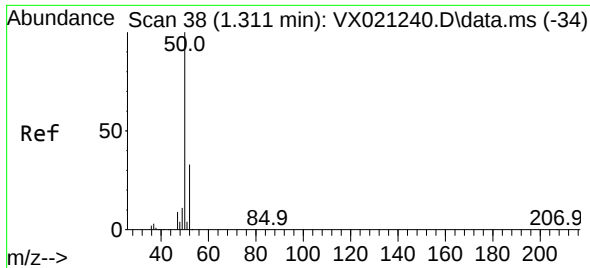
Tgt Ion:168 Resp: 80282
Ion Ratio Lower Upper
168 100
99 65.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.57 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 85 Resp: 542
Ion Ratio Lower Upper
85 100
87 34.6 16.4 49.2

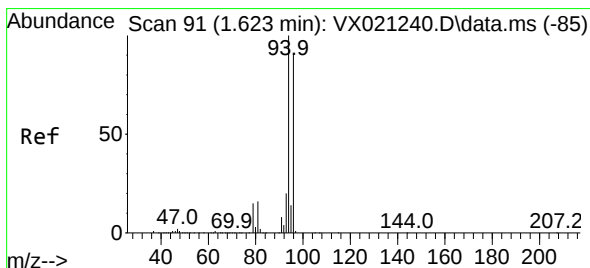
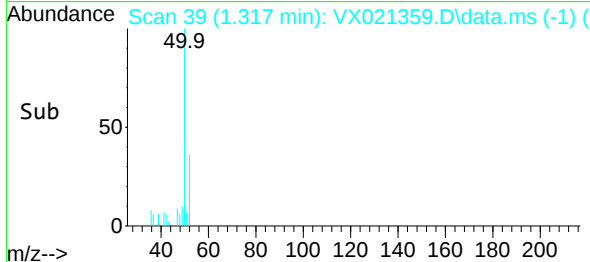
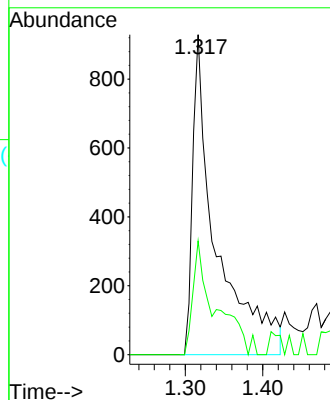
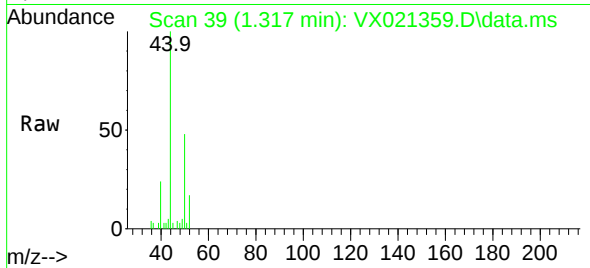




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

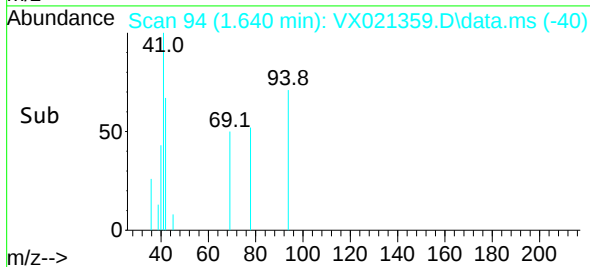
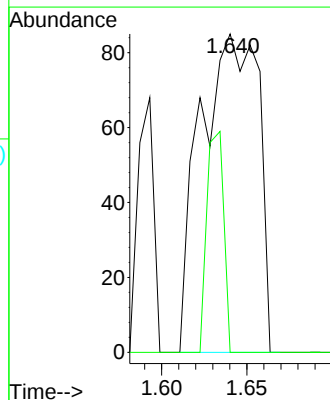
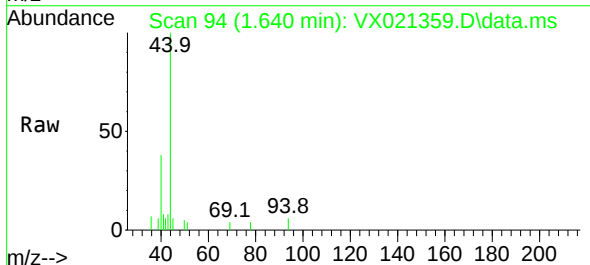
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

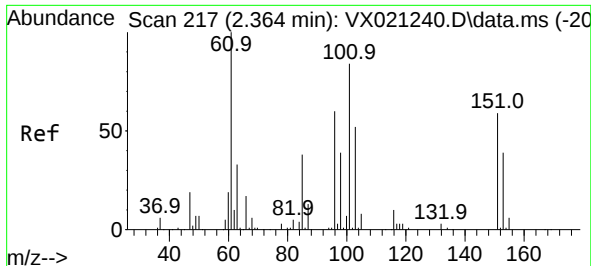
Tgt Ion: 50 Resp: 1950
Ion Ratio Lower Upper
50 100
52 35.5 26.4 39.6



#5
Bromomethane
Concen: 0.47 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

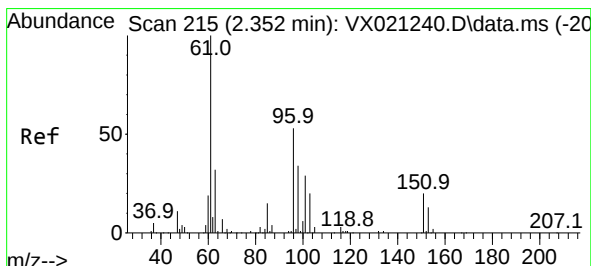
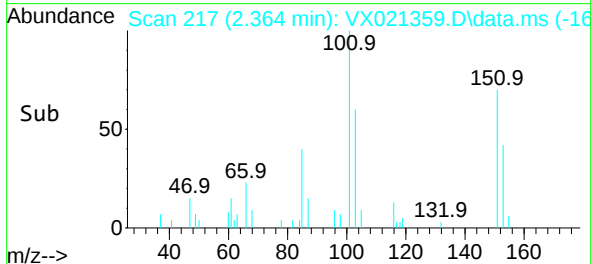
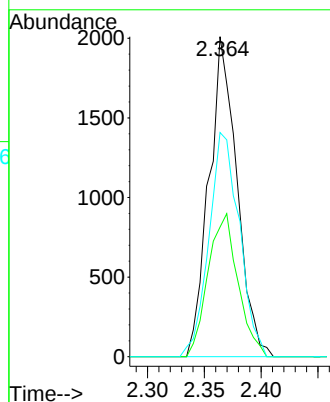
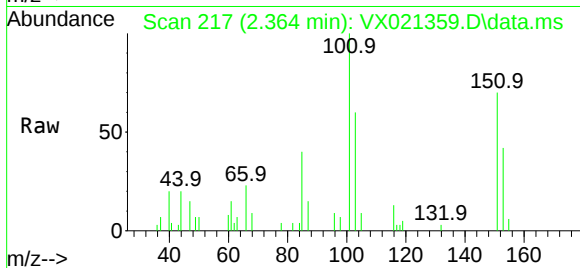




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.10 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

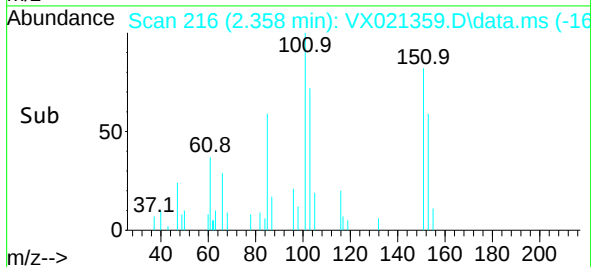
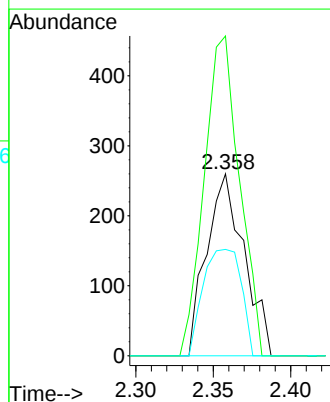
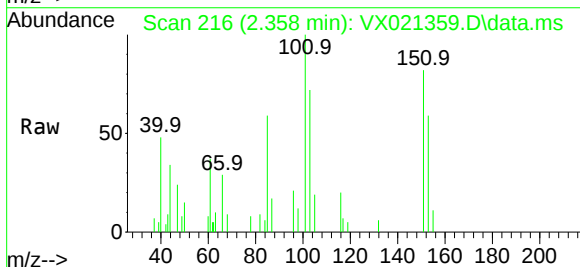
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

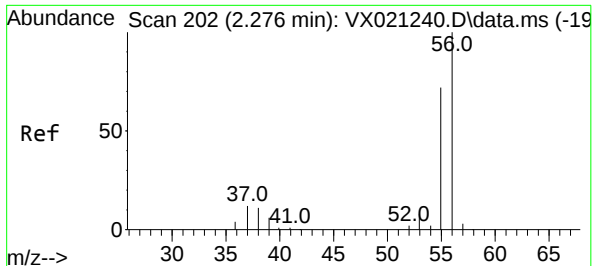
Tgt Ion:101 Resp: 3444
Ion Ratio Lower Upper
101 100
85 47.7 34.9 52.3
151 76.2 61.4 92.2



#12
1,1-Dichloroethene
Concen: 0.53 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 96 Resp: 437
Ion Ratio Lower Upper
96 100
61 175.8 124.6 187.0
98 58.5 50.6 76.0

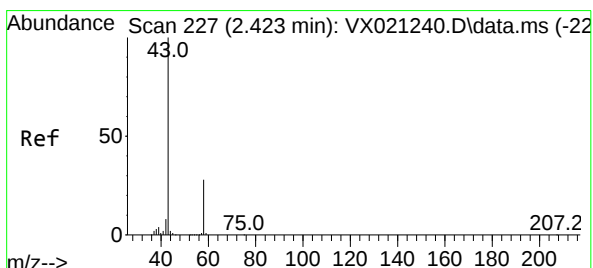
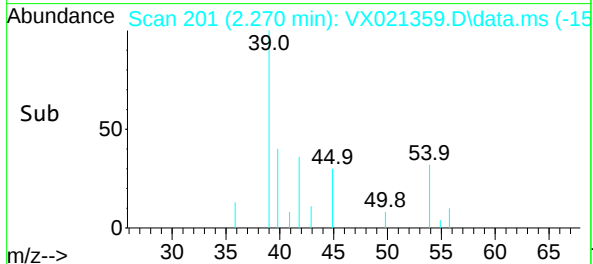
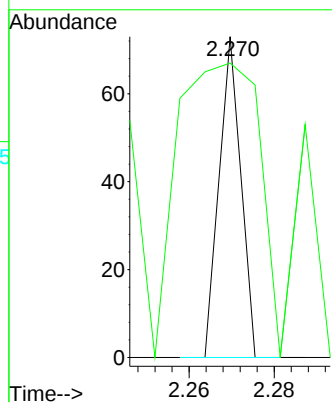
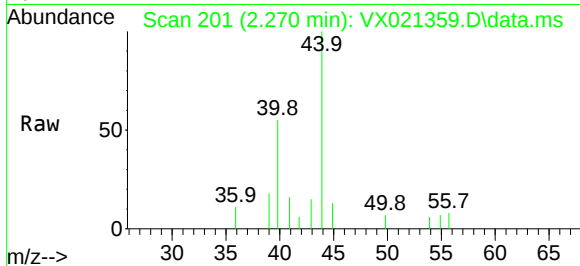




#13
Acrolein
Concen: 3.32 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

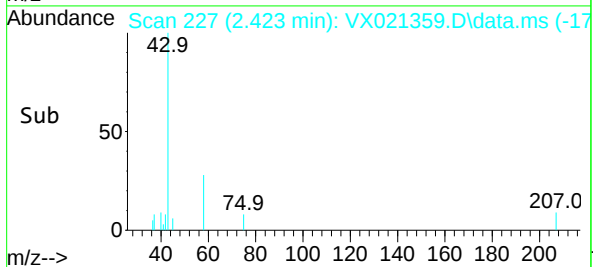
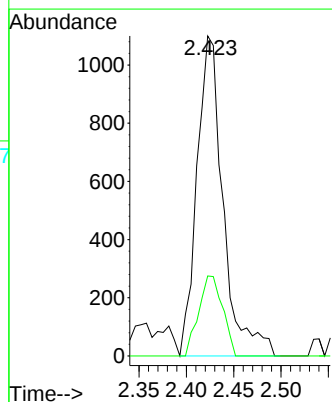
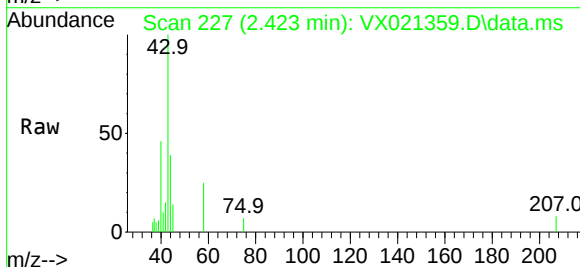
Instrument :
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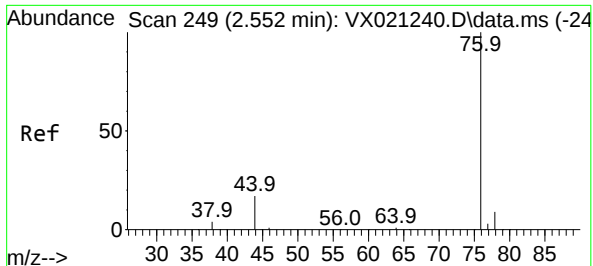
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 415.4 56.4 84.6#



#16
Acetone
Concen: 4.37 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#

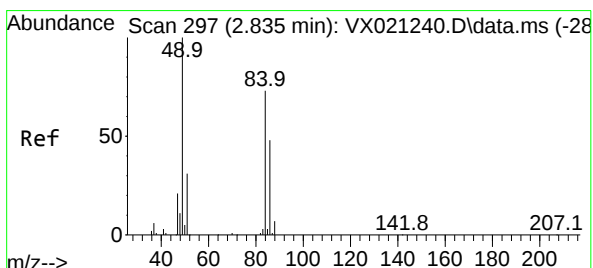
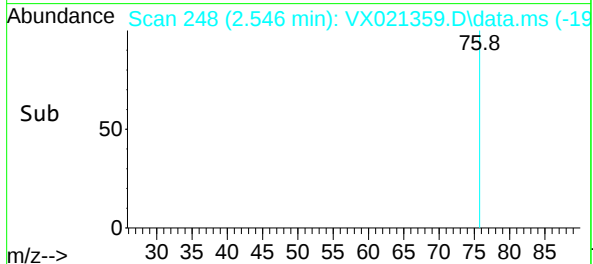
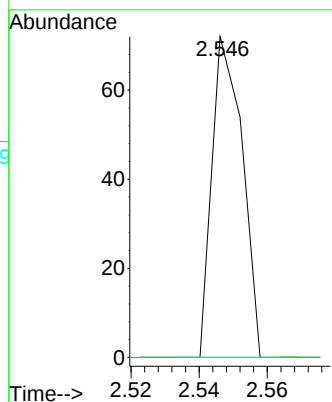
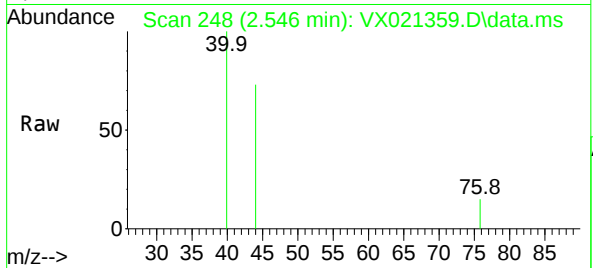




#17
Carbon Disulfide
Concen: 0.55 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

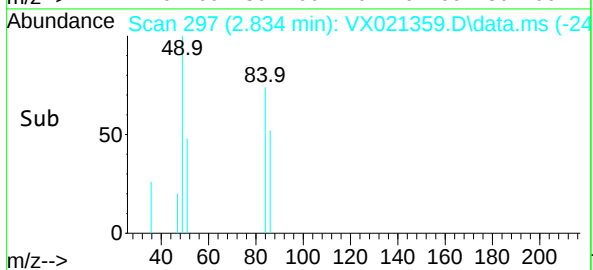
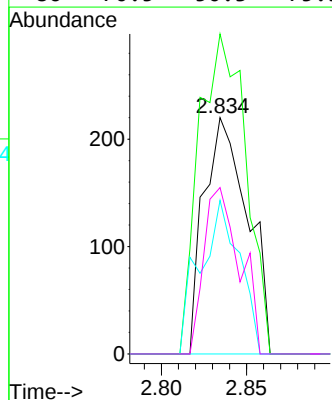
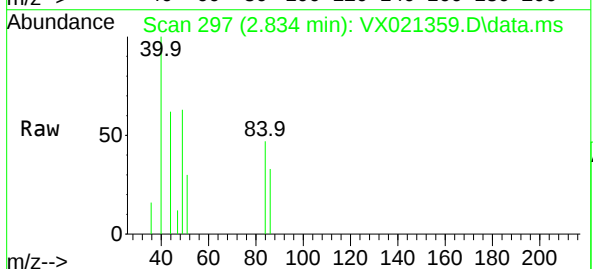
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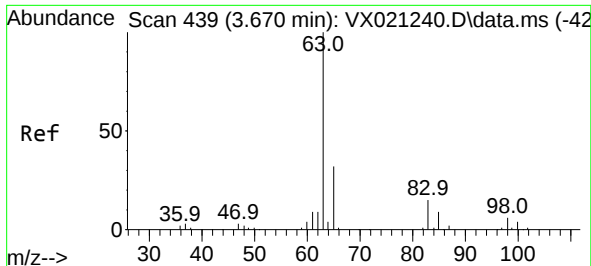
Tgt Ion: 76 Resp: 44
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 84 Resp: 392
Ion Ratio Lower Upper
84 100
49 135.5 88.6 132.8#
51 65.0 27.0 40.6#
86 70.5 50.3 75.5

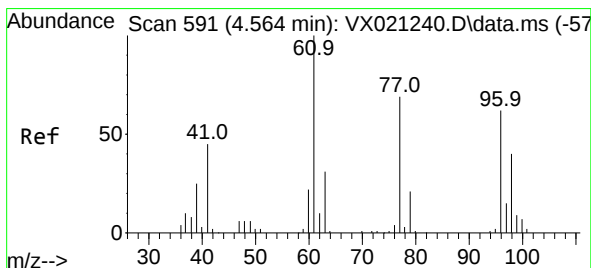
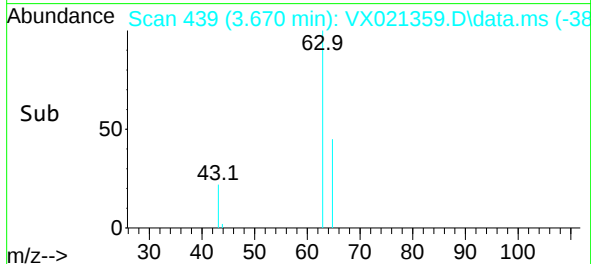
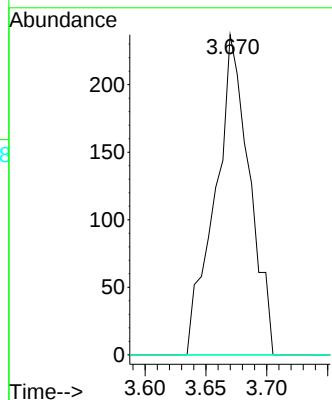
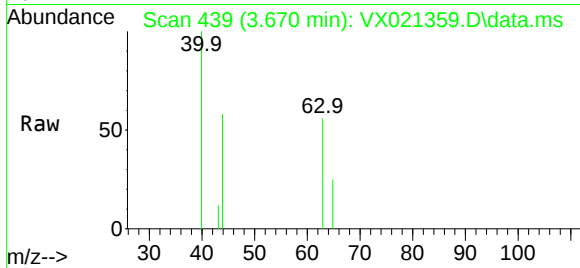




#24
1,1-Dichloroethane
Concen: 0.27 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

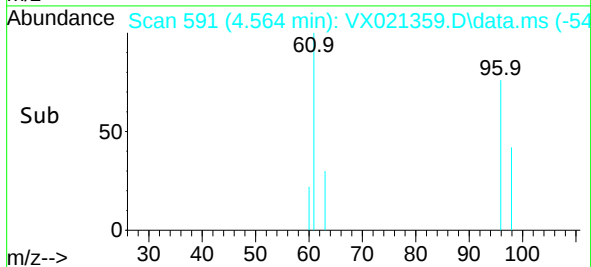
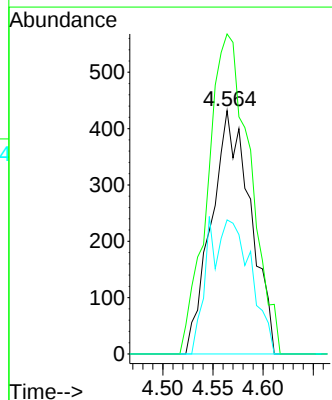
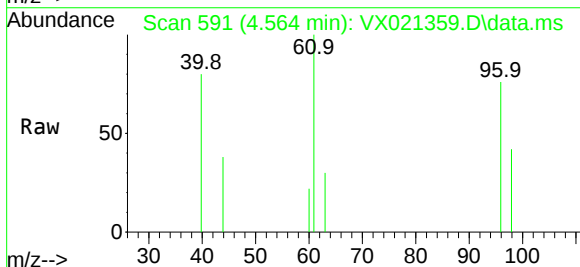
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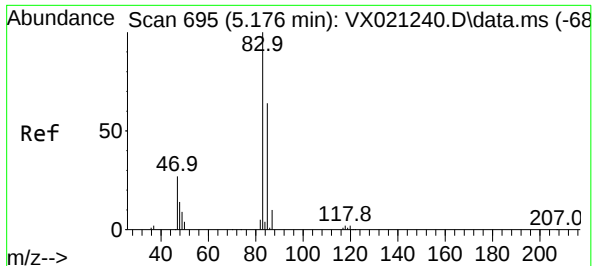
Tgt Ion: 63 Resp: 465
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.11 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 96 Resp: 1168
Ion Ratio Lower Upper
96 100
61 143.5 0.0 285.6
98 60.4 0.0 129.6





#30

Chloroform

Concen: 0.23 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021359.D

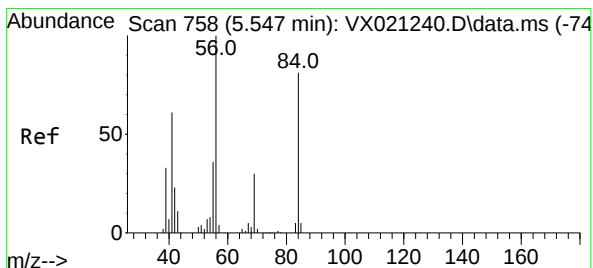
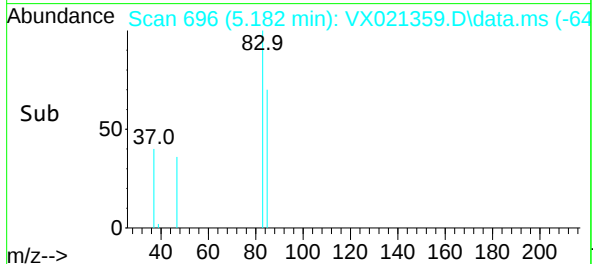
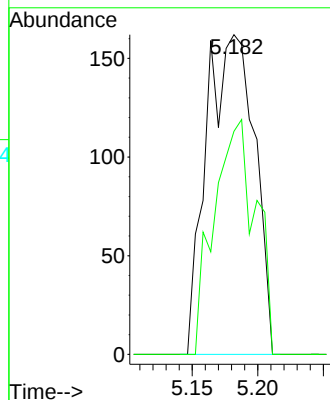
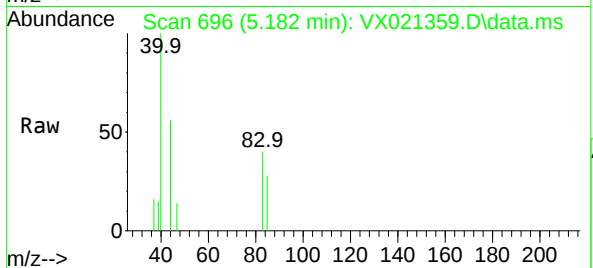
Acq: 22 Mar 2021 15:36

Tgt Ion: 83 Resp: 413

Ion Ratio Lower Upper

83 100

85 69.8 52.0 78.0



#31

Cyclohexane

Concen: 1.48 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021359.D

Acq: 22 Mar 2021 15:36

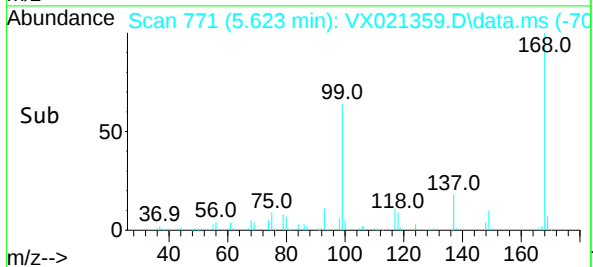
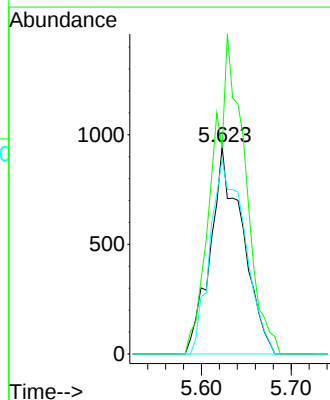
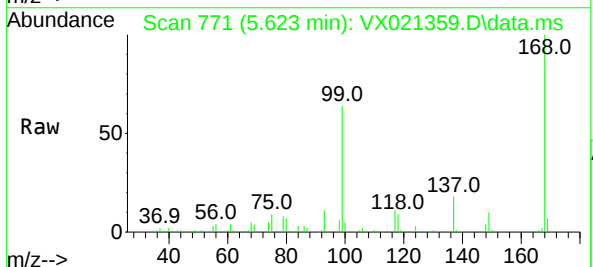
Tgt Ion: 56 Resp: 2359

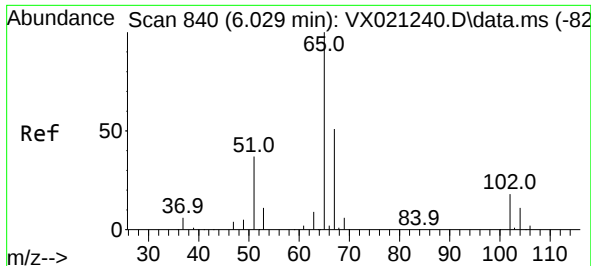
Ion Ratio Lower Upper

56 100

69 99.3 25.3 37.9#

84 93.9 71.4 107.0

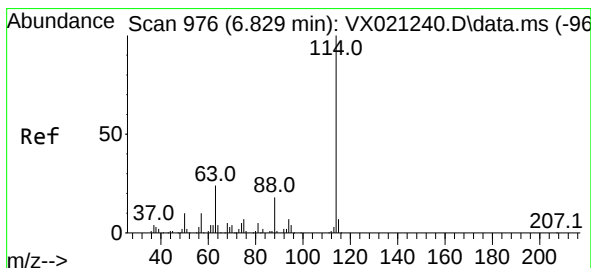
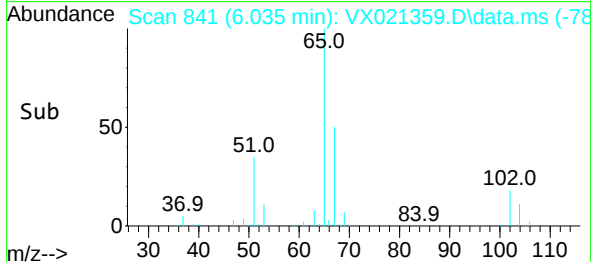
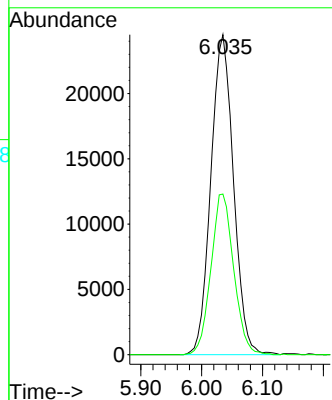
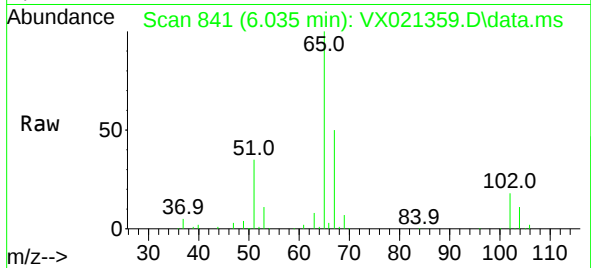




#33
 1,2-Dichloroethane-d4
 Concen: 48.05 ug/l
 RT: 6.035 min Scan# 841
 Delta R.T. 0.006 min
 Lab File: VX021359.D
 Acq: 22 Mar 2021 15:36

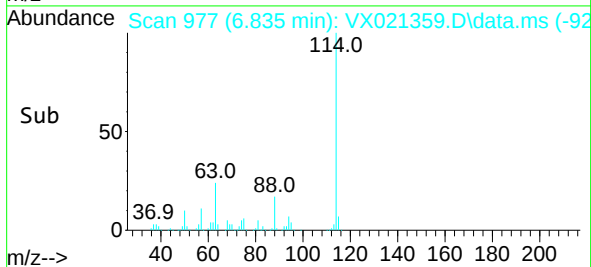
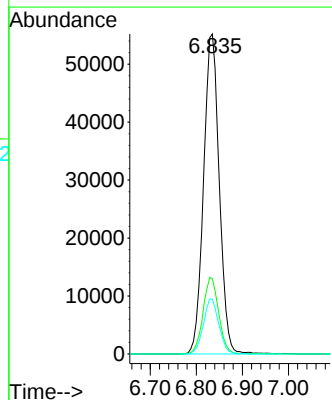
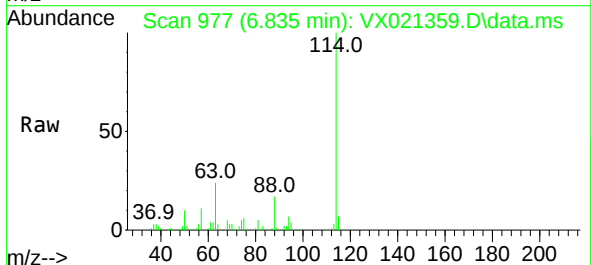
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20210316

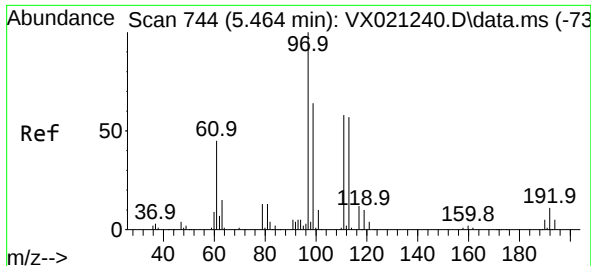
Tgt Ion: 65 Resp: 63275
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.835 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VX021359.D
 Acq: 22 Mar 2021 15:36

Tgt Ion: 114 Resp: 131299
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 40.8
 88 17.2 0.0 32.8

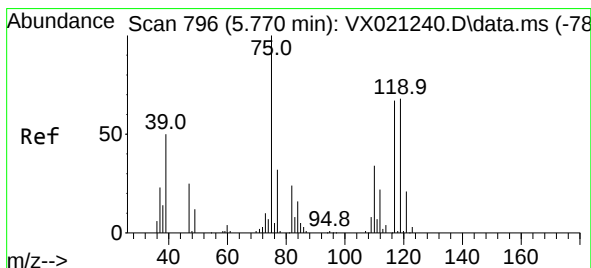
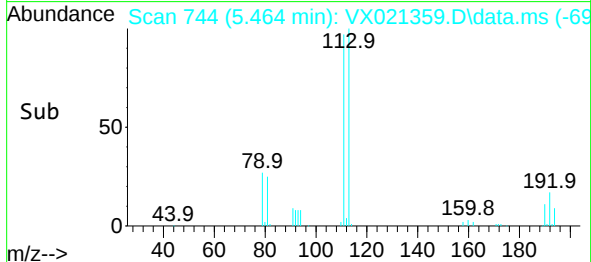
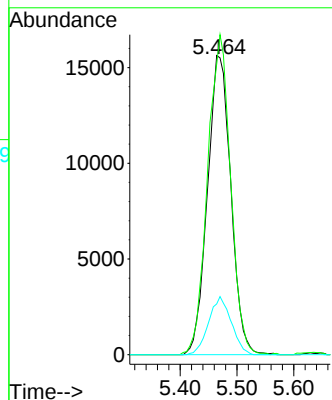
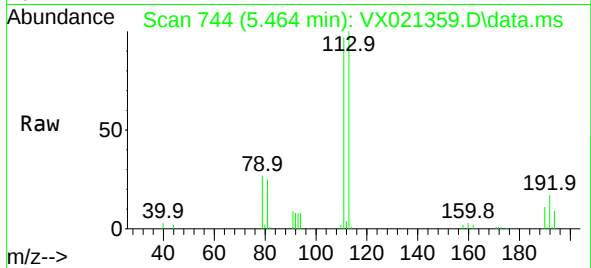




#35
Dibromofluoromethane
Concen: 50.04 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

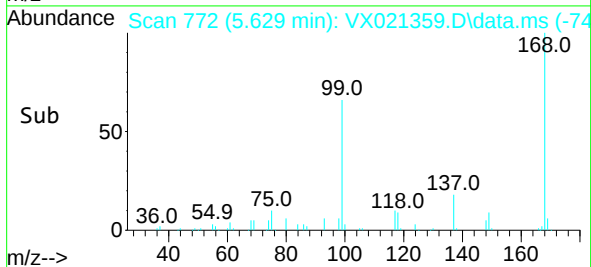
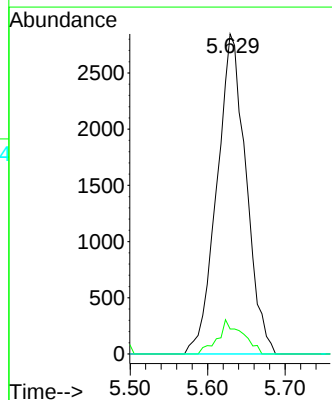
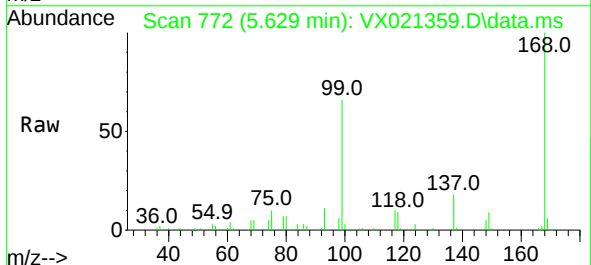
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

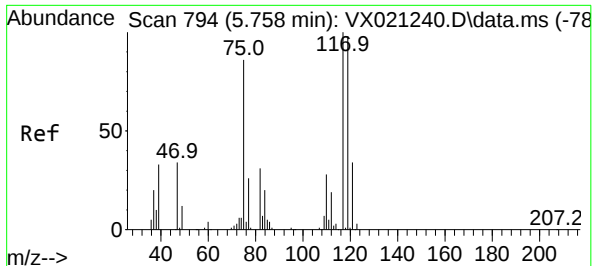
Tgt Ion:113 Resp: 44712
Ion Ratio Lower Upper
113 100
111 105.0 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.63 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

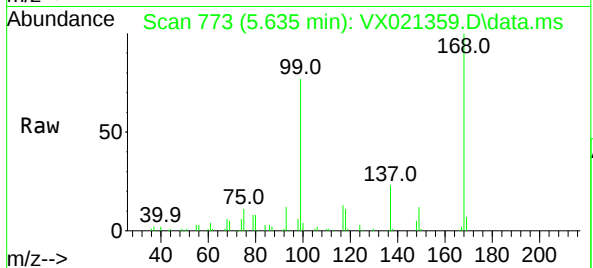
Tgt Ion: 75 Resp: 7445
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



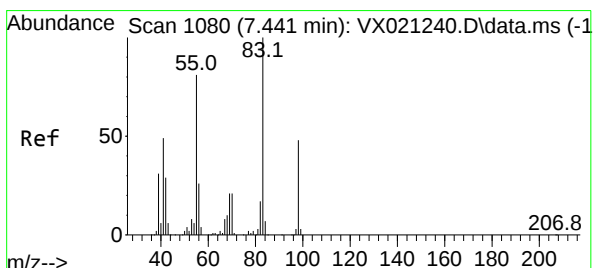
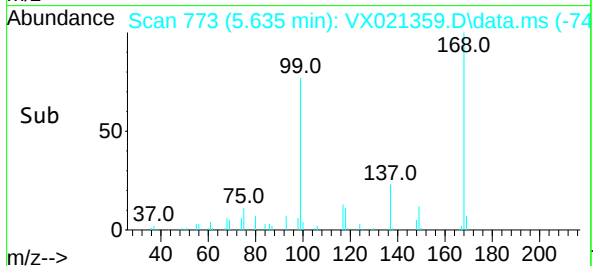
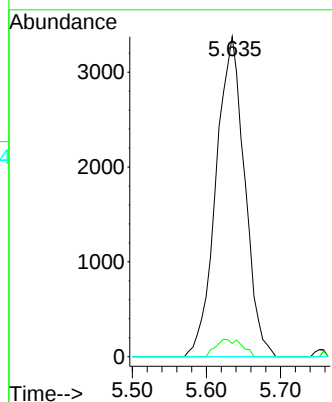


#38
Carbon Tetrachloride
Concen: 6.59 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.123 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

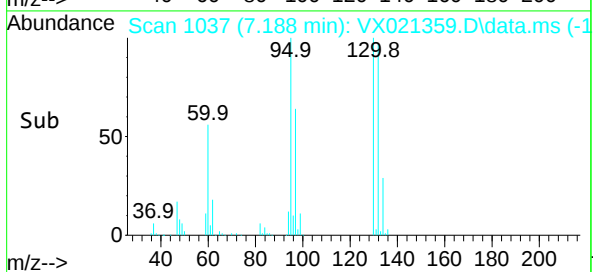
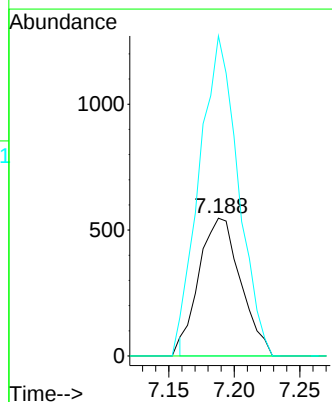
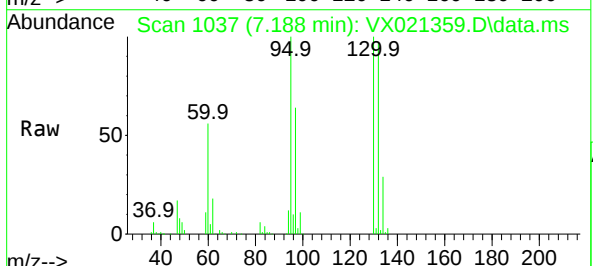


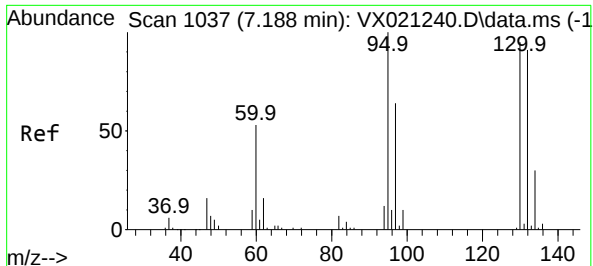
Tgt Ion: 117 Resp: 9057
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.81 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 83 Resp: 1197
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 232.4 38.1 57.1#

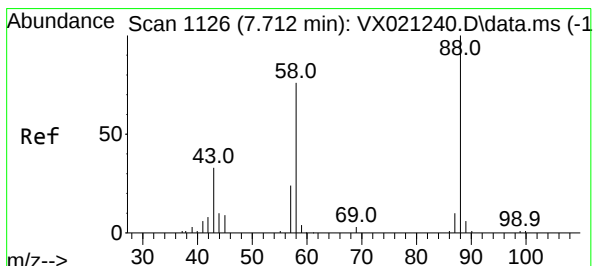
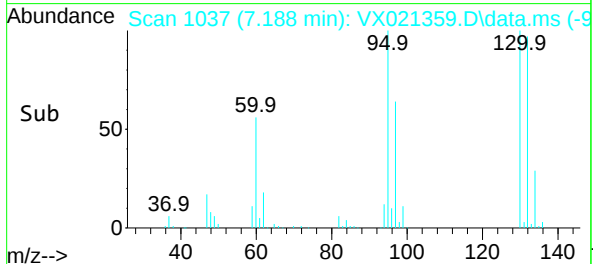
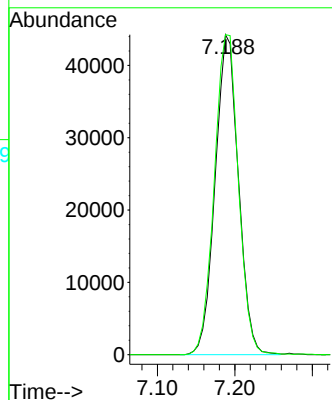
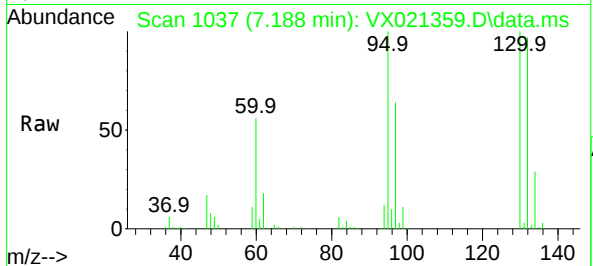




#44
Trichloroethene
Concen: 95.48 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

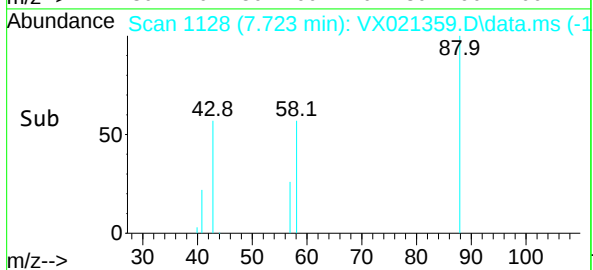
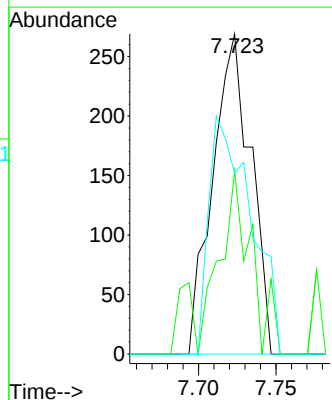
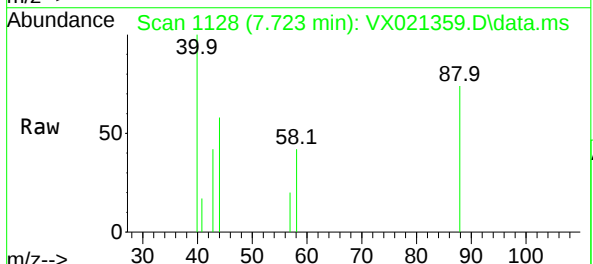
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

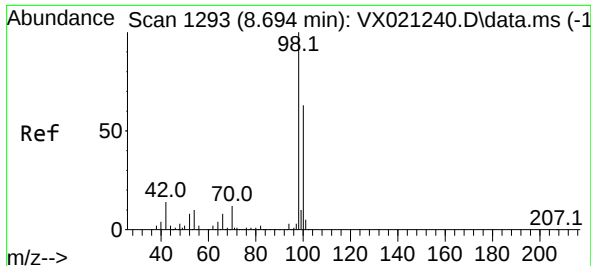
Tgt Ion:130 Resp: 92469
Ion Ratio Lower Upper
130 100
95 100.0 0.0 198.0



#49
1,4-Dioxane
Concen: 9.12 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 88 Resp: 459
Ion Ratio Lower Upper
88 100
43 47.5 23.2 34.8#
58 82.4 55.0 82.4

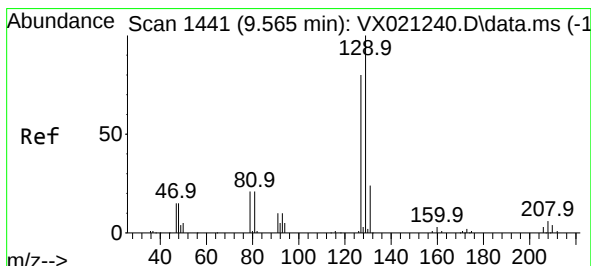
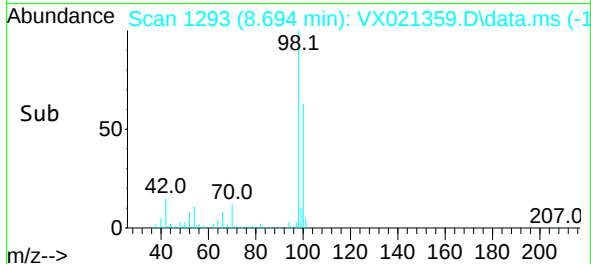
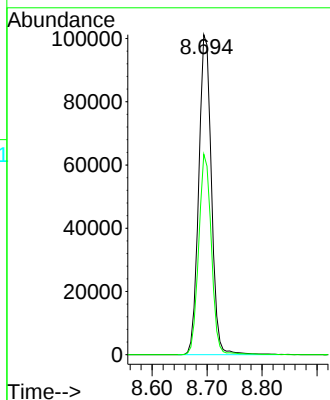
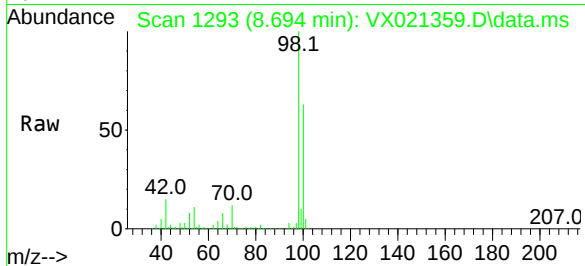




#50
Toluene-d8
Concen: 50.09 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

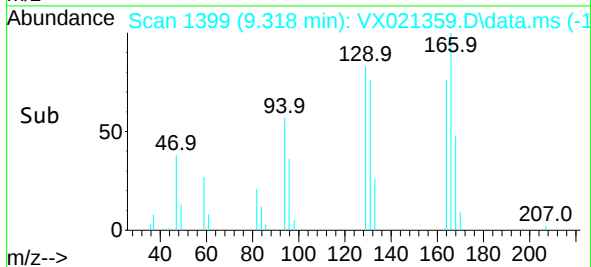
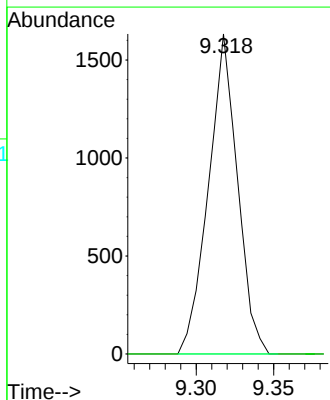
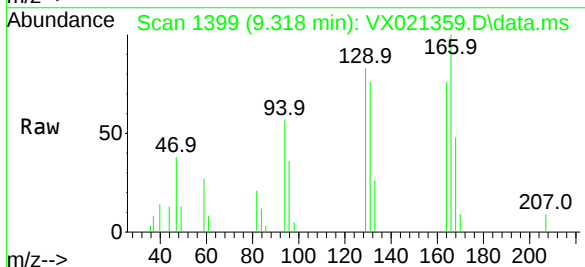
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

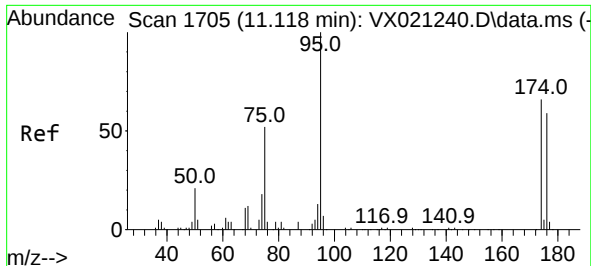
Tgt Ion: 98 Resp: 162390
Ion Ratio Lower Upper
98 100
100 62.6 51.9 77.9



#60
Dibromochloromethane
Concen: 2.03 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 129 Resp: 2128
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

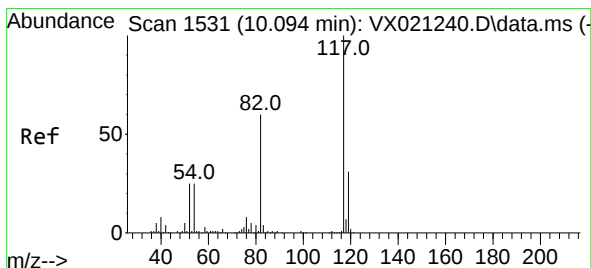
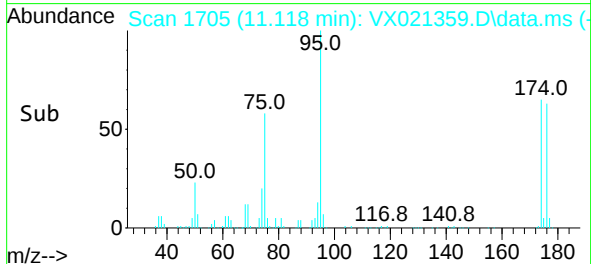
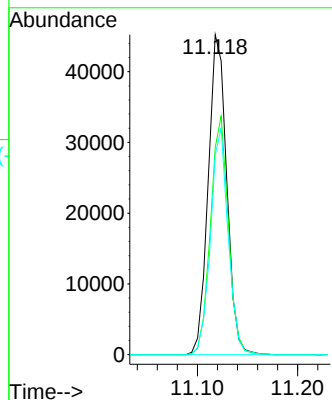
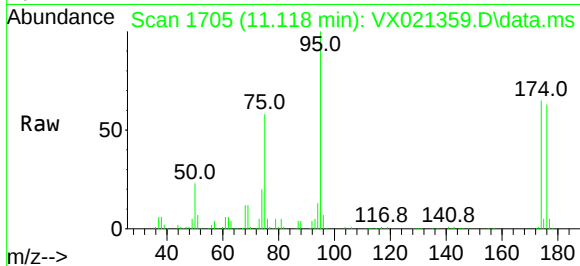




#62
4-Bromofluorobenzene
Concen: 46.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

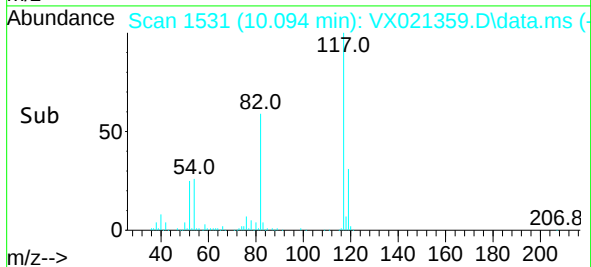
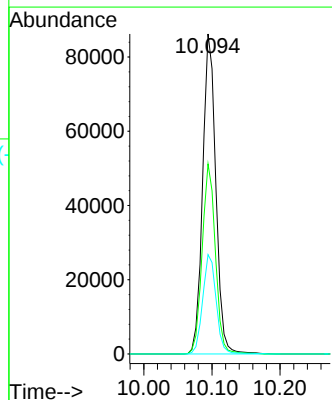
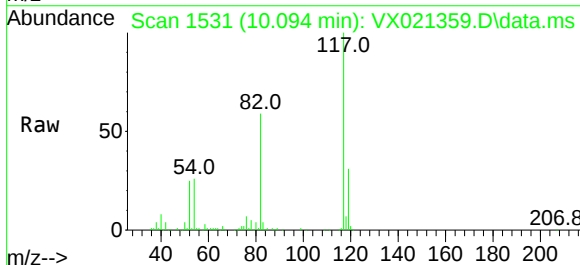
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

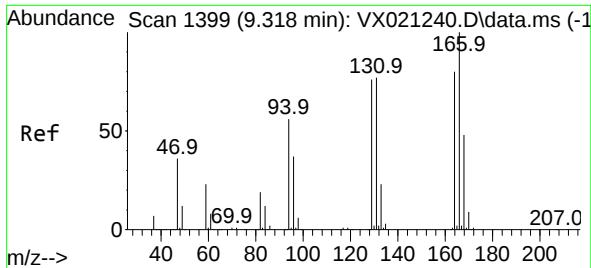
Tgt Ion:	95	Resp:	57950
Ion Ratio	Lower	Upper	
95	100		
174	72.3	0.0	154.6
176	67.7	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

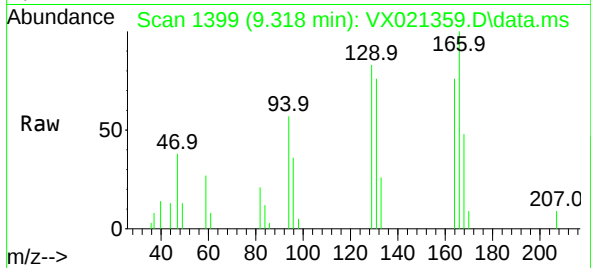
Tgt Ion:	117	Resp:	115874
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.4	71.2
119	31.1	26.6	39.8



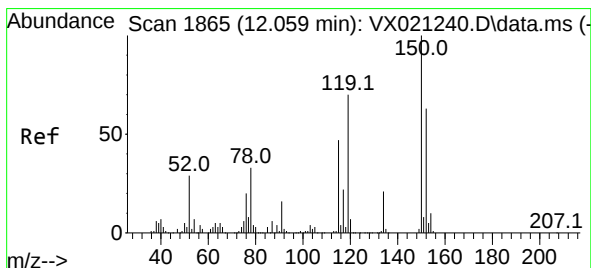
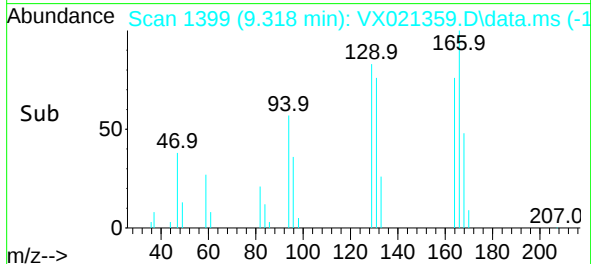
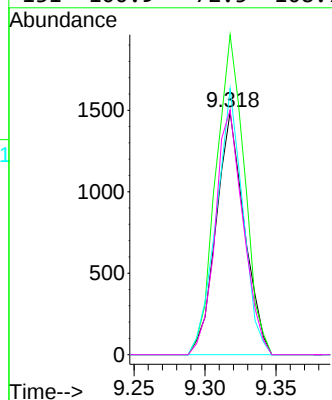


#64
Tetrachloroethene
Concen: 2.38 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

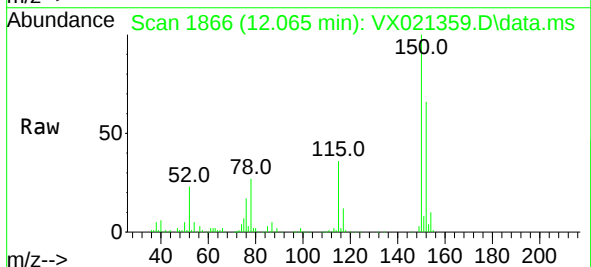
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316



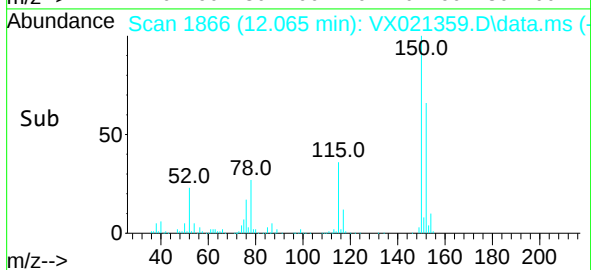
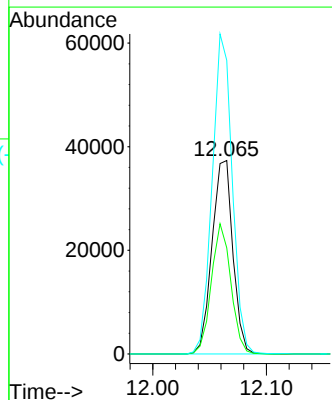
Tgt Ion:164 Resp: 2056
Ion Ratio Lower Upper
164 100
166 131.9 103.4 155.2
129 109.7 70.8 106.2#
131 100.9 72.5 108.7

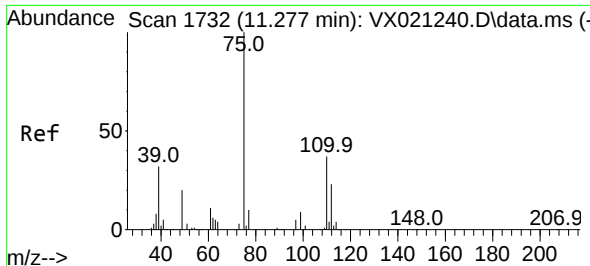


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36



Tgt Ion:152 Resp: 47688
Ion Ratio Lower Upper
152 100
115 62.8 41.1 123.3
150 158.9 0.0 349.0

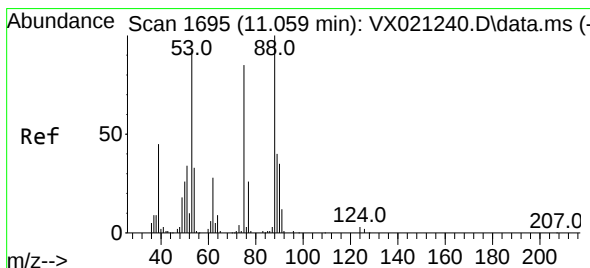
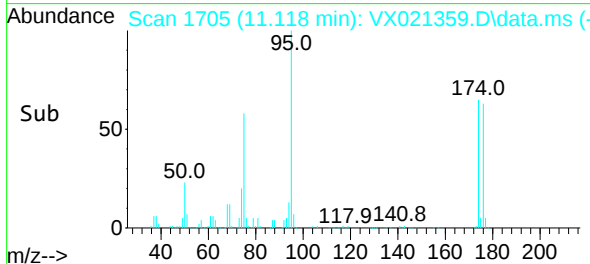
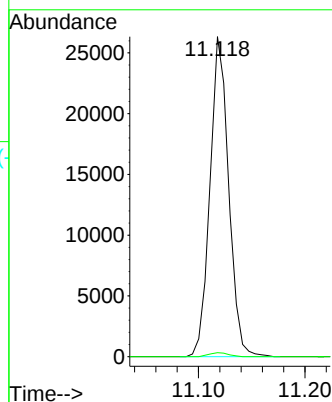
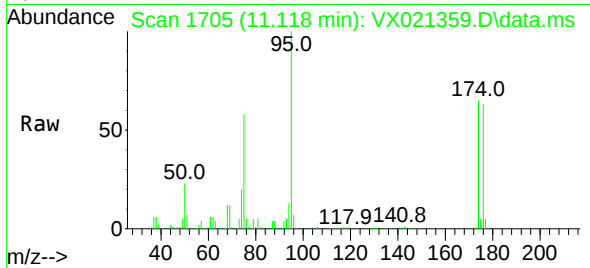




#76
1,2,3-Trichloropropane
Concen: 29.02 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20210316

Tgt Ion: 75 Resp: 32103
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.79 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021359.D
Acq: 22 Mar 2021 15:36

Tgt Ion: 75 Resp: 32103
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

