

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021461.D
 Acq On : 25 Mar 2021 02:12
 Operator : JC/MD
 Sample : M1770-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:54:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

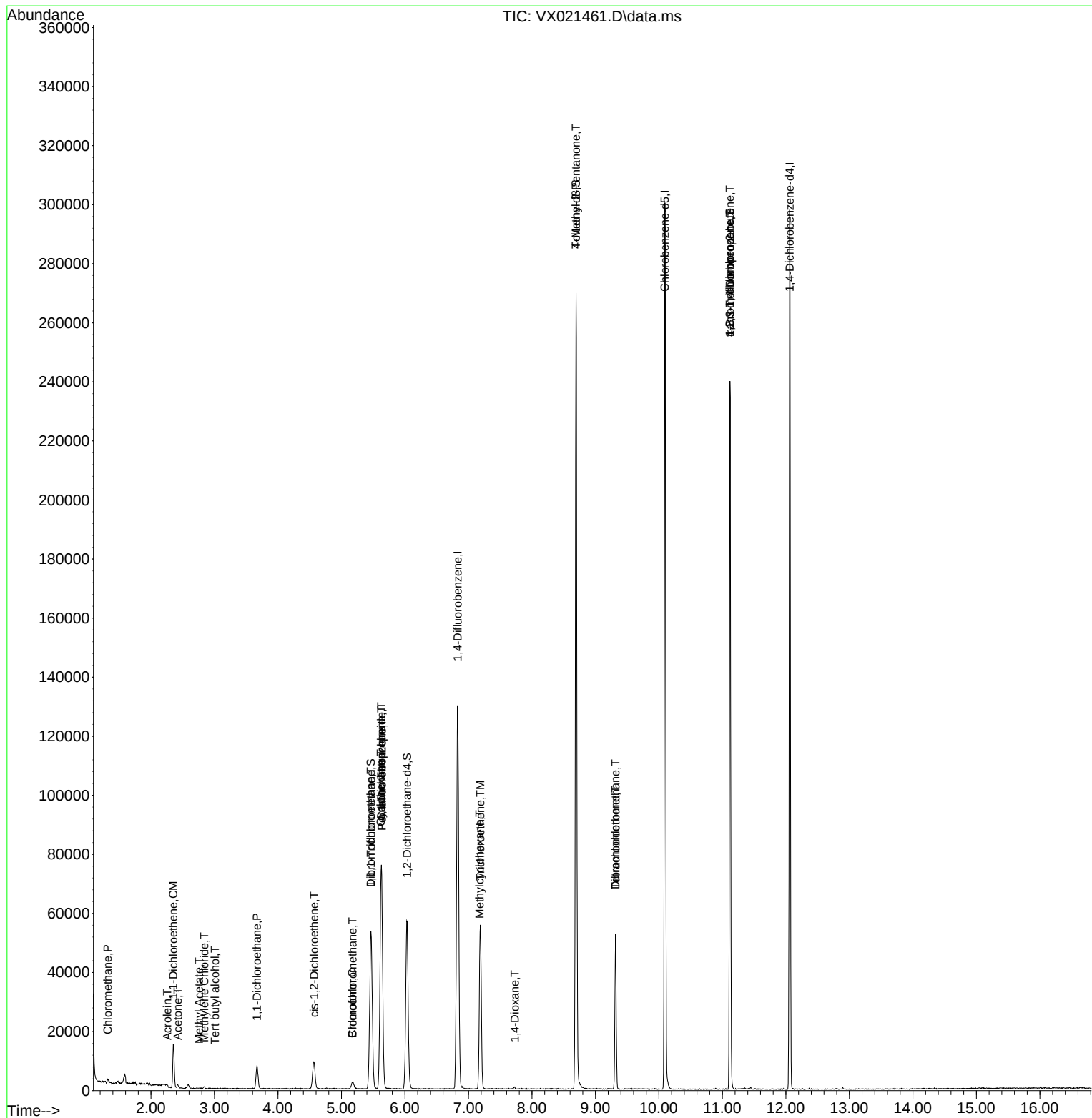
Internal Standards						
1) Pentafluorobenzene	5.635	168	65946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	121750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	123866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	56315	51.32	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.64%			
35) Dibromofluoromethane	5.464	113	42746	49.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.86%			
50) Toluene-d8	8.694	98	153340	49.76	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.52%			
62) 4-Bromofluorobenzene	11.118	95	63085	52.65	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.30%			
Target Compounds						Qvalue
3) Chloromethane	1.316	50	1991	2.43	ug/l	96
11) Tert butyl alcohol	3.005	59	65	0.36	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	4533	6.82	ug/l #	81
13) Acrolein	2.258	56	20	4.51	ug/l #	1
16) Acetone	2.422	43	1351	3.26	ug/l #	83
18) Methyl Acetate	2.758	43	254	0.21	ug/l #	47
20) Methylene Chloride	2.840	84	250	0.31	ug/l #	78
24) 1,1-Dichloroethane	3.670	63	8306	5.88	ug/l	97
27) cis-1,2-Dichloroethene	4.570	96	5300	6.25	ug/l	96
28) Bromochloromethane	5.176	49	233	0.33	ug/l #	9
30) Chloroform	5.170	83	2573	1.73	ug/l	89
31) Cyclohexane	5.623	56	1839	1.52	ug/l #	20
32) 1,1,1-Trichloroethane	5.464	97	1432	1.08	ug/l #	45
36) 1,1-Dichloropropene	5.629	75	6103	5.12	ug/l #	45
38) Carbon Tetrachloride	5.629	117	7522	5.87	ug/l #	15
39) Methylcyclohexane	7.176	83	277	0.21	ug/l #	10
44) Trichloroethene	7.188	130	19521	21.84	ug/l	90
49) 1,4-Dioxane	7.729	88	449	20.99	ug/l #	90
51) 4-Methyl-2-Pentanone	8.694	43	942	0.68	ug/l #	1
60) Dibromochloromethane	9.318	129	8867	8.96	ug/l #	11
64) Tetrachloroethene	9.318	164	8875	10.70	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	35323	27.88	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	35323	84.92	ug/l #	12

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

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MSVOA_X
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Quant Time: Mar 25 06:54:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration

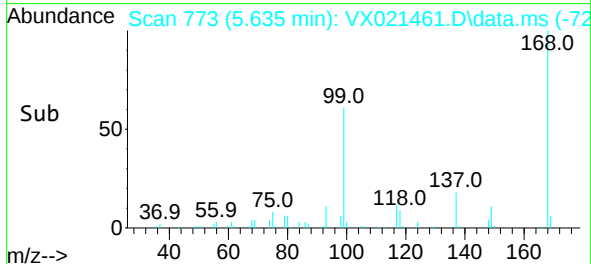
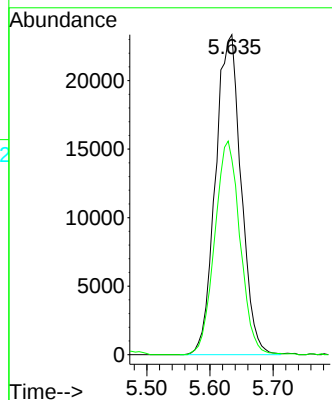
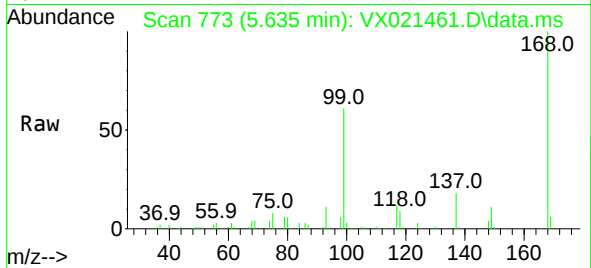




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

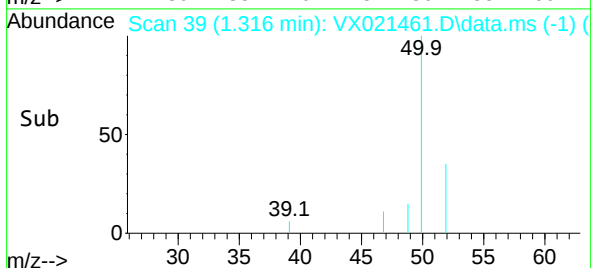
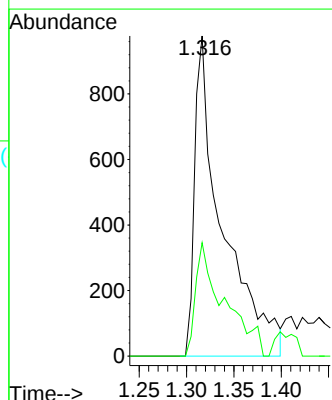
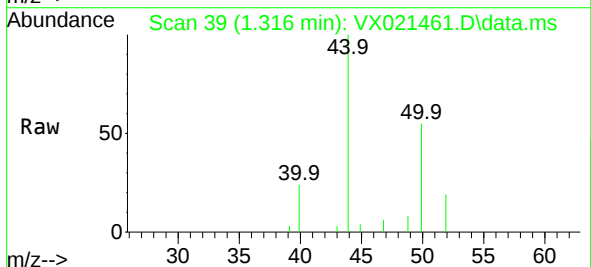
Instrument :
MSVOA_X
ClientSampleId :

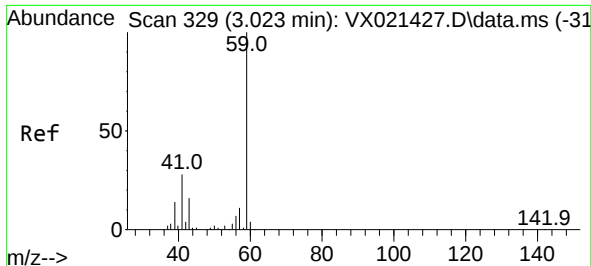
Tgt Ion:168 Resp: 65946
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#3
Chloromethane
Concen: 2.43 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 50 Resp: 1991
Ion Ratio Lower Upper
50 100
52 35.4 26.4 39.6

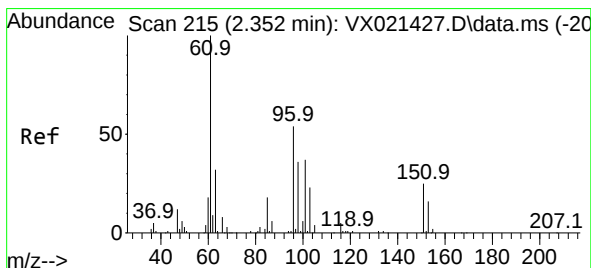
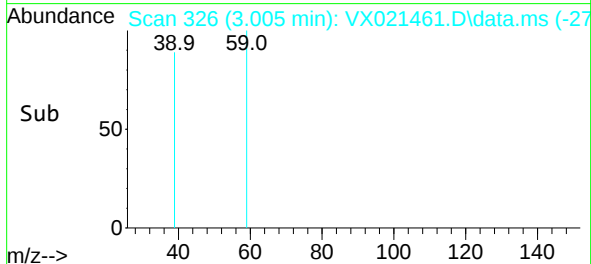
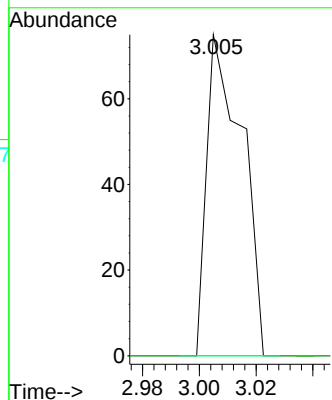
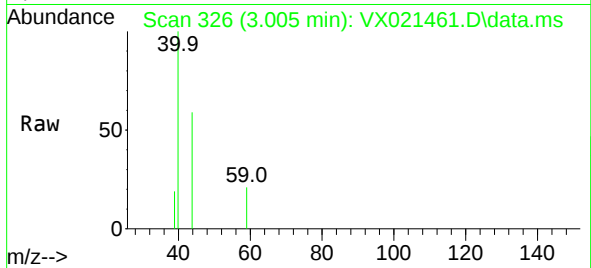




#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.018 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

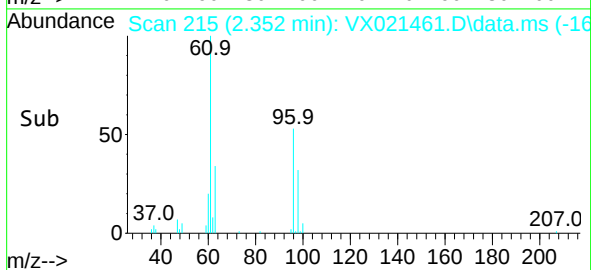
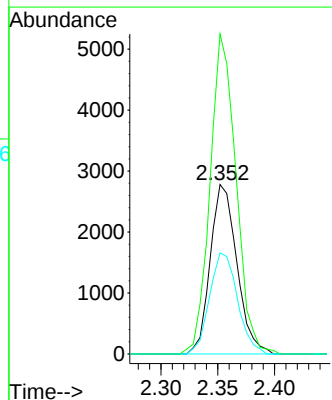
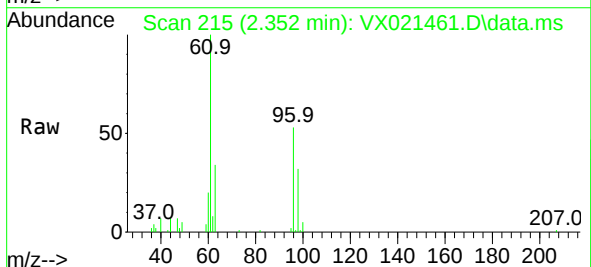
Instrument :
MSVOA_X
ClientSampled :

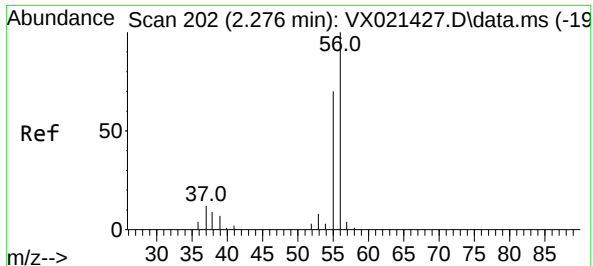
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 6.82 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 96 Resp: 4533
Ion Ratio Lower Upper
96 100
61 188.9 124.6 187.0#
98 59.7 50.6 76.0

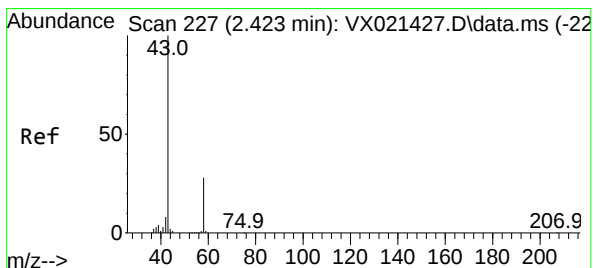
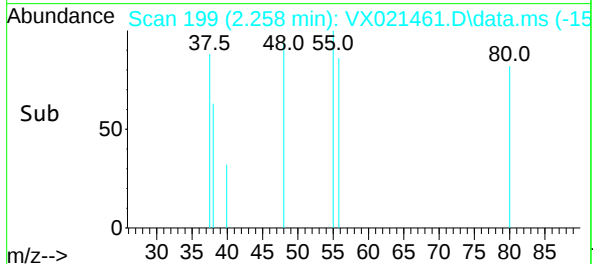
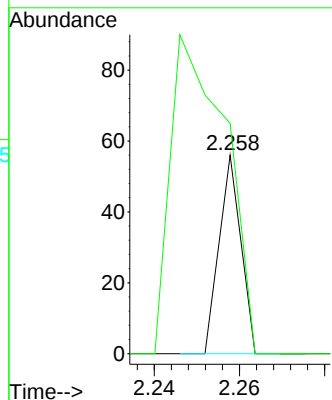
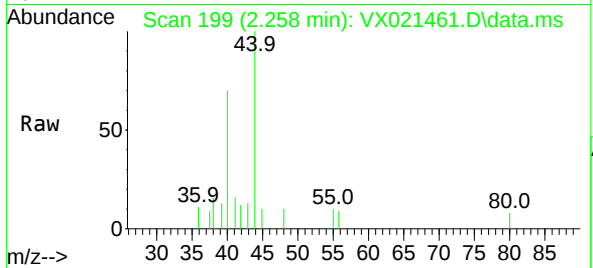




#13
Acrolein
Concen: 4.51 ug/l
RT: 2.258 min Scan# 199
Delta R.T. -0.018 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

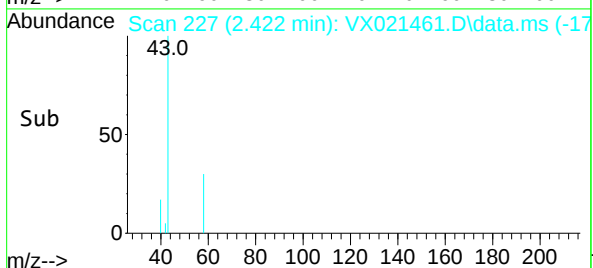
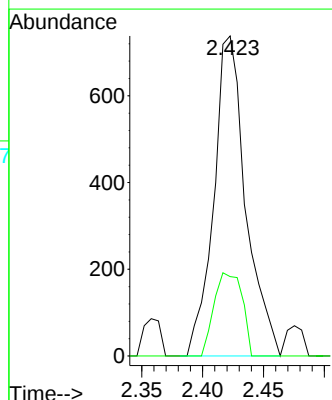
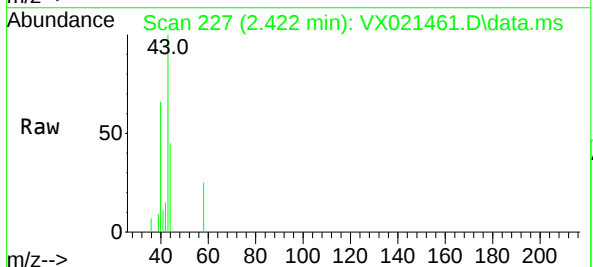
Instrument :
MSVOA_X
ClientSampled :

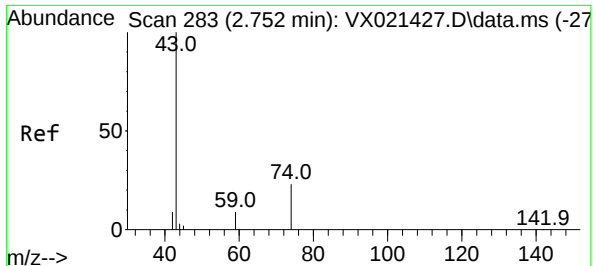
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 400.0 56.4 84.6#



#16
Acetone
Concen: 3.26 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

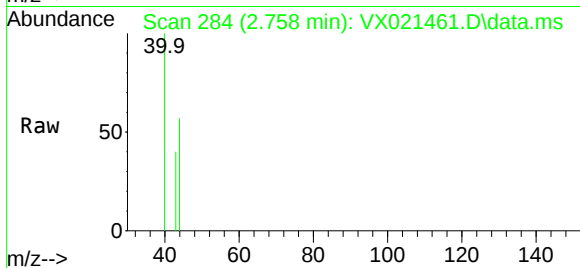
Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 24.8 27.8 41.8#



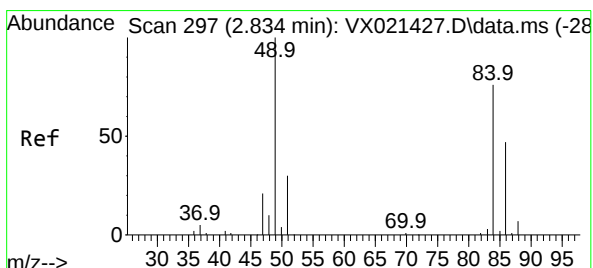
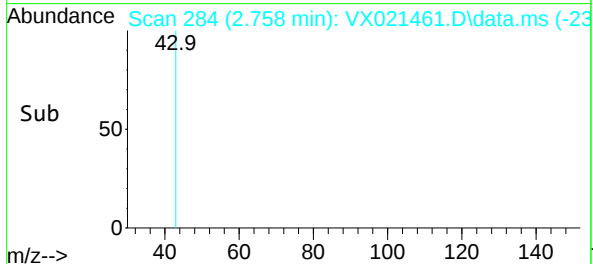
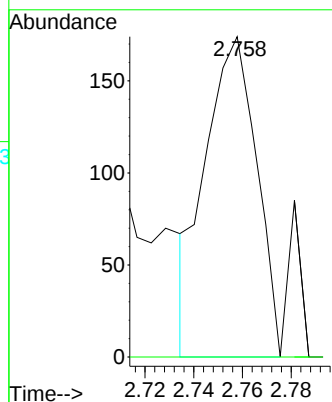


#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Instrument :
MSVOA_X
ClientSampled :

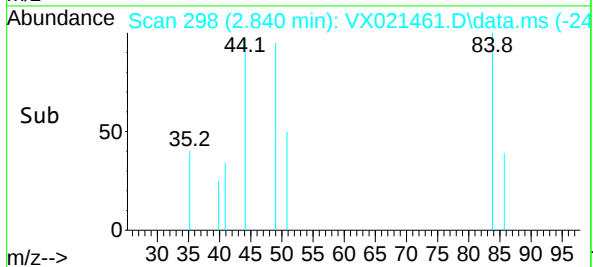
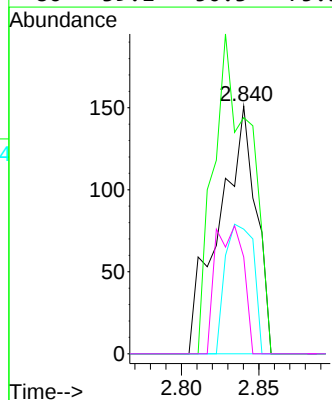
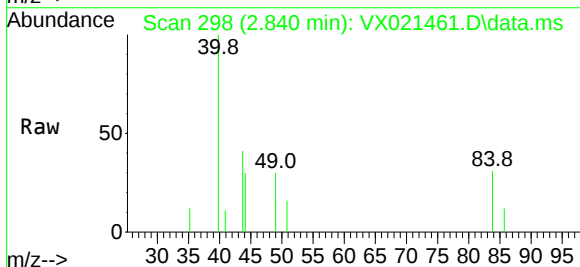


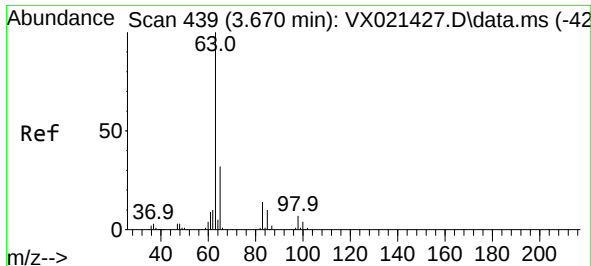
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 84 Resp: 250
Ion Ratio Lower Upper
84 100
49 95.4 88.6 132.8
51 50.3 27.0 40.6#
86 39.1 50.3 75.5#

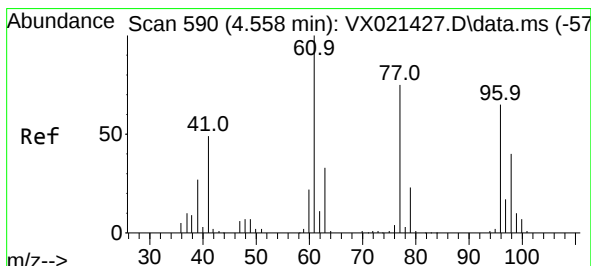
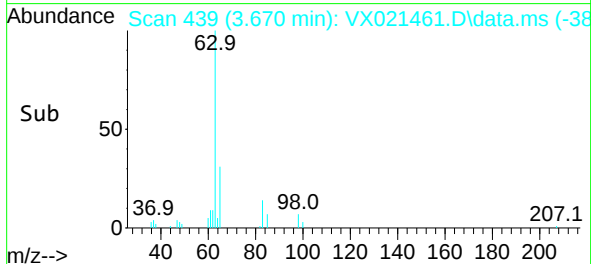
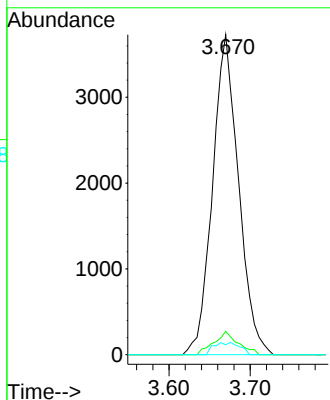
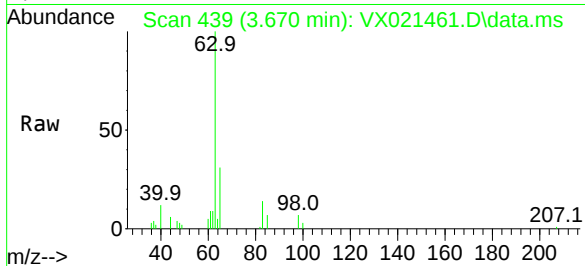




#24
1,1-Dichloroethane
Concen: 5.88 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

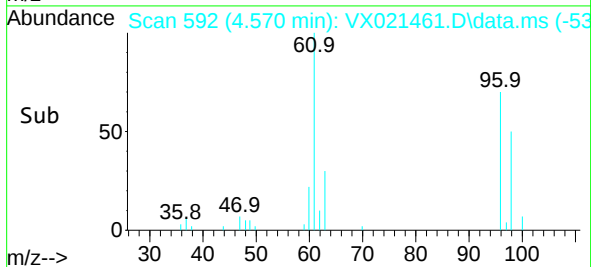
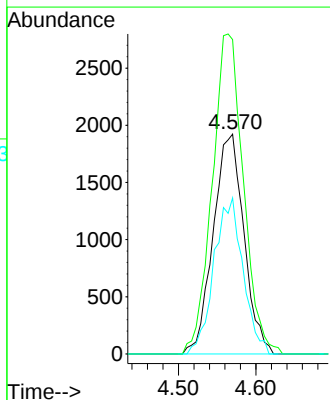
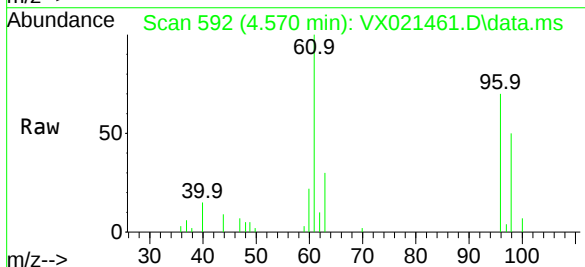
Instrument :
MSVOA_X
ClientSampleId :

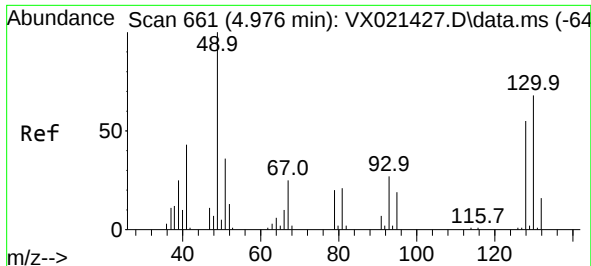
Tgt Ion: 63	Resp: 8306
Ion Ratio	Lower Upper
63 100	
98 7.3	3.8 11.2
100 3.1	2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 6.25 ug/l
RT: 4.570 min Scan# 592
Delta R.T. 0.012 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 96	Resp: 5300
Ion Ratio	Lower Upper
96 100	
61 147.8	0.0 285.6
98 67.0	0.0 129.6

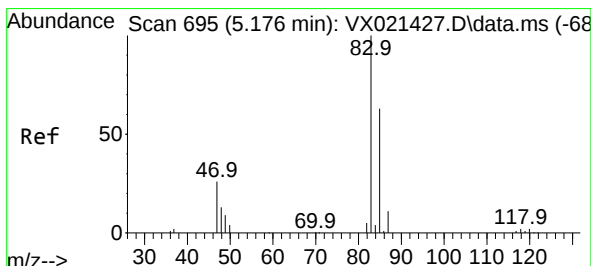
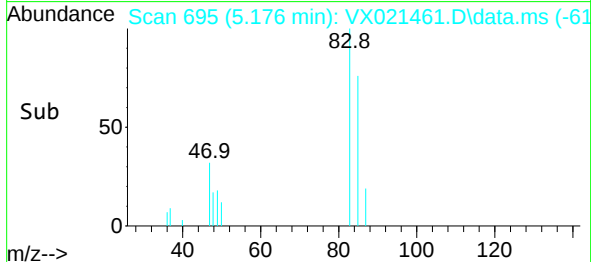
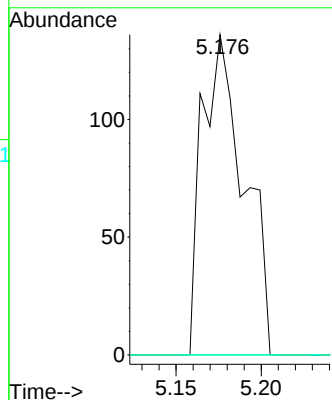
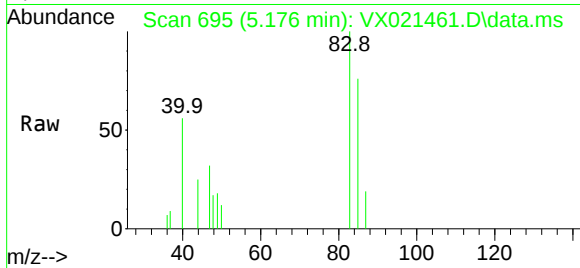




#28
Bromochloromethane
Concen: 0.33 ug/l
RT: 5.176 min Scan# 695
Delta R.T. 0.200 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

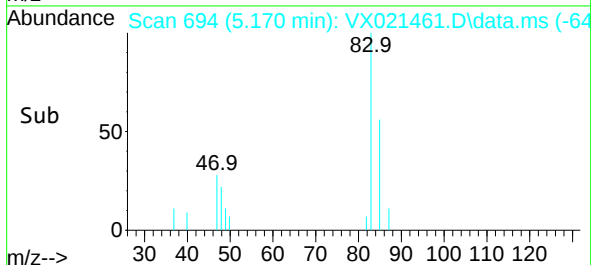
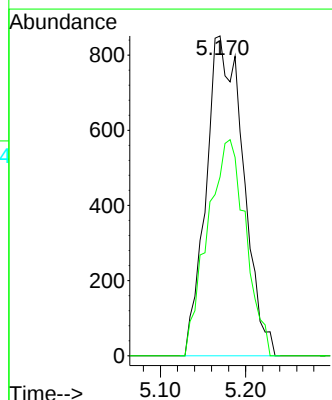
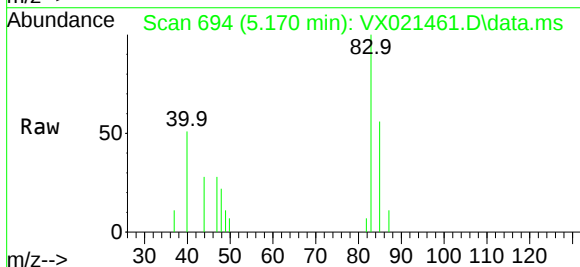
Instrument :
MSVOA_X
ClientSampled :

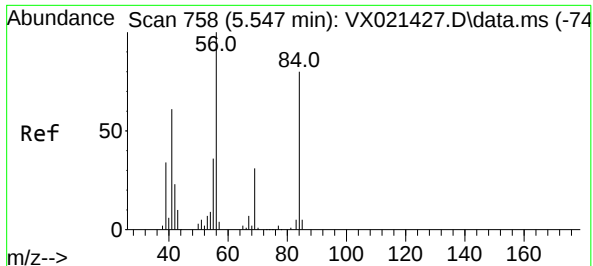
Tgt Ion: 49 Resp: 233
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.73 ug/l
RT: 5.170 min Scan# 694
Delta R.T. -0.006 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

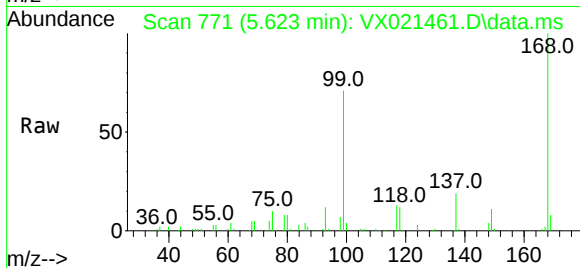
Tgt Ion: 83 Resp: 2573
Ion Ratio Lower Upper
83 100
85 55.9 52.0 78.0



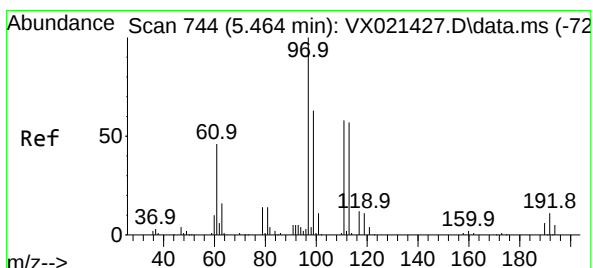
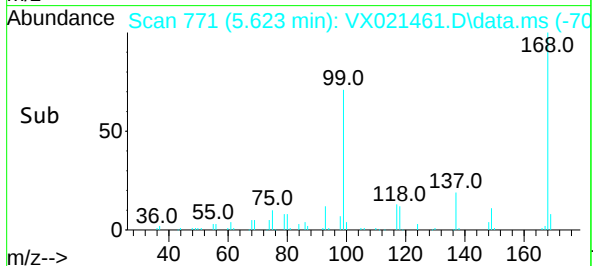
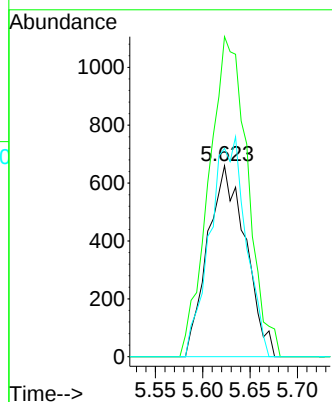


#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Instrument :
MSVOA_X
ClientSampled :

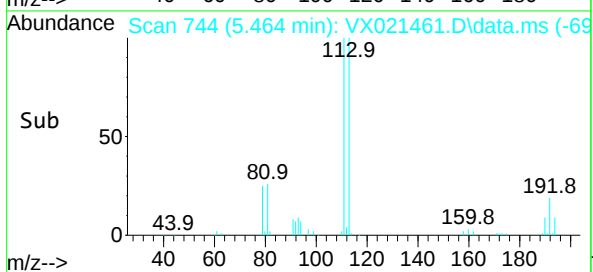
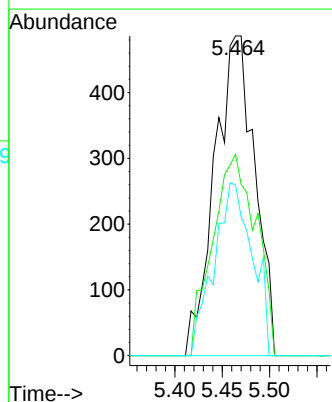
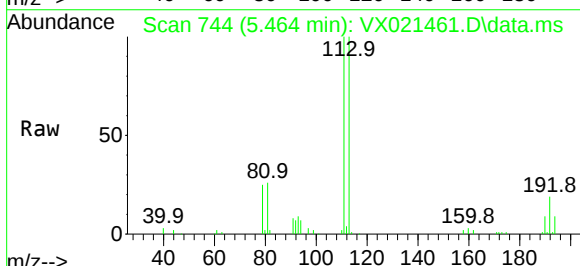


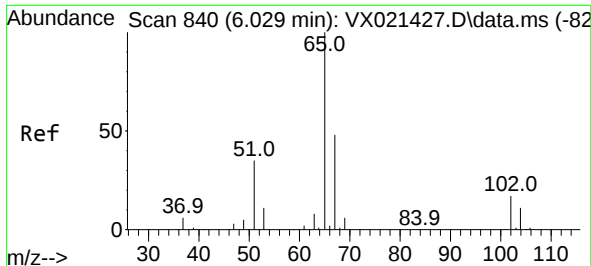
Tgt Ion: 56 Resp: 1839
Ion Ratio Lower Upper
56 100
69 167.6 25.3 37.9#
84 109.1 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 1.08 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 97 Resp: 1432
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 51.8 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 51.32 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021461.D

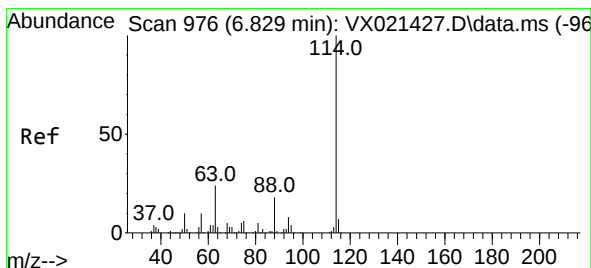
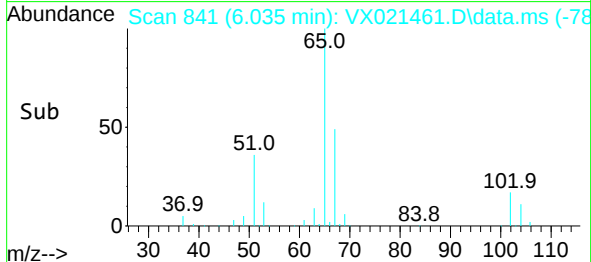
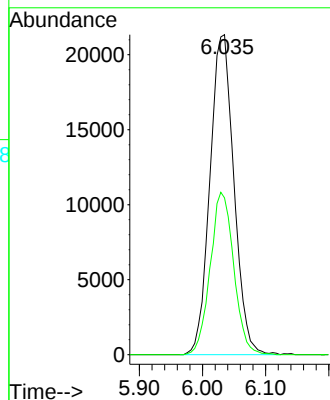
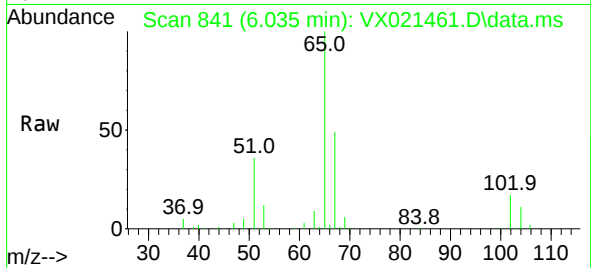
Acq: 25 Mar 2021 02:12

Tgt Ion: 65 Resp: 56315

Ion Ratio Lower Upper

65 100

67 49.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

Lab File: VX021461.D

Acq: 25 Mar 2021 02:12

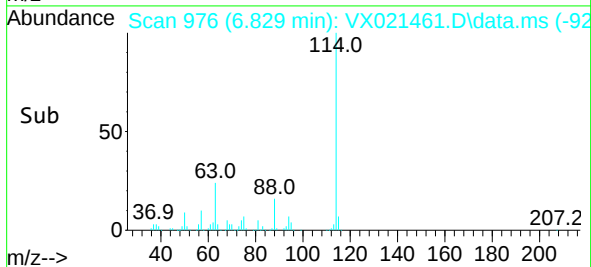
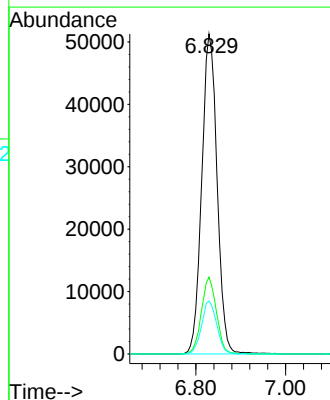
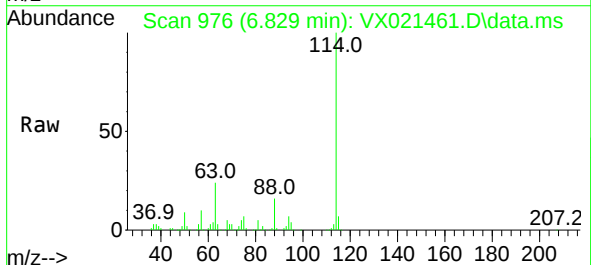
Tgt Ion: 114 Resp: 121750

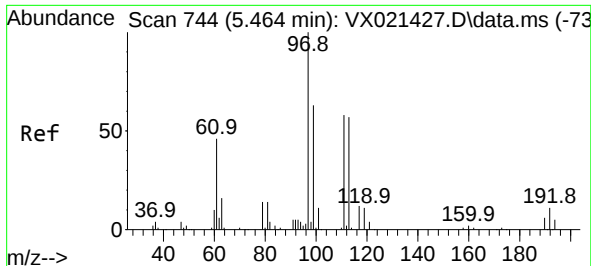
Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.8

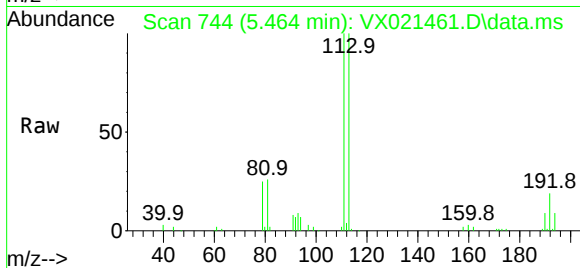
88 16.5 0.0 32.8



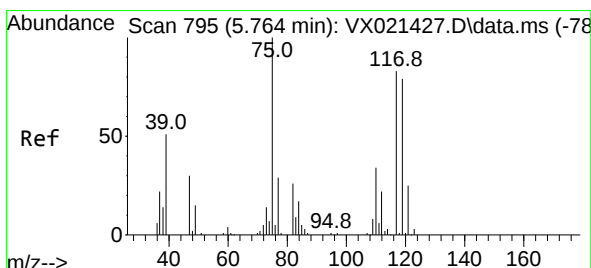
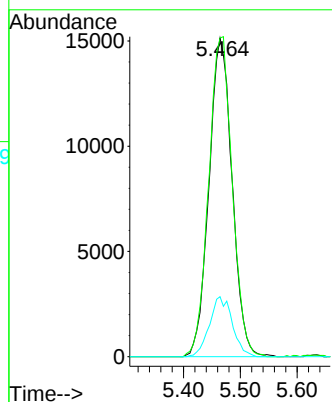
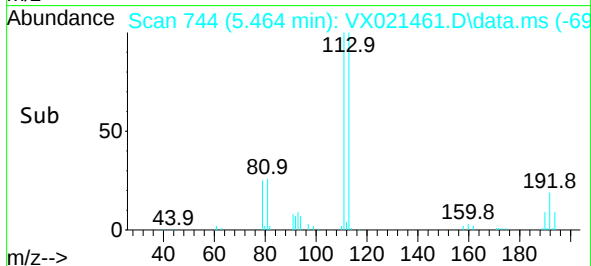


#35
Dibromofluoromethane
Concen: 49.43 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

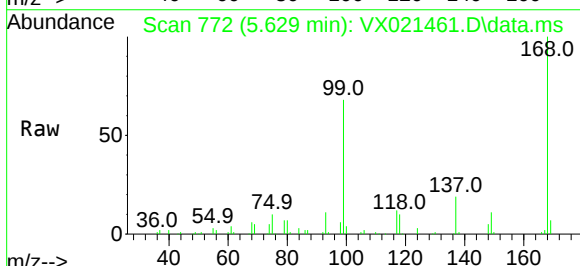
Instrument :
MSVOA_X
ClientSampled :



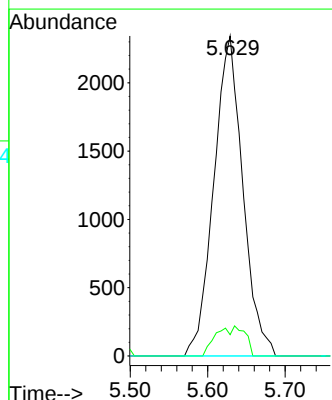
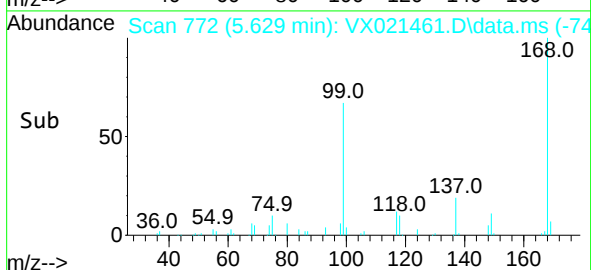
Tgt Ion:113 Resp: 42746
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 18.7 16.7 25.1

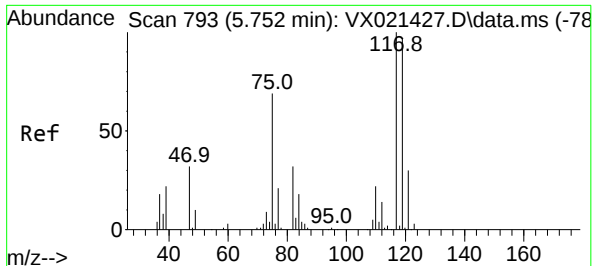


#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12



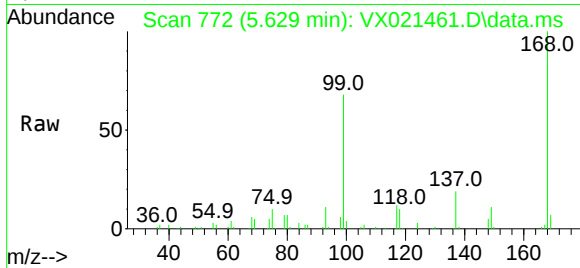
Tgt Ion: 75 Resp: 6103
Ion Ratio Lower Upper
75 100
110 5.2 18.1 54.4#
77 0.0 25.3 37.9#



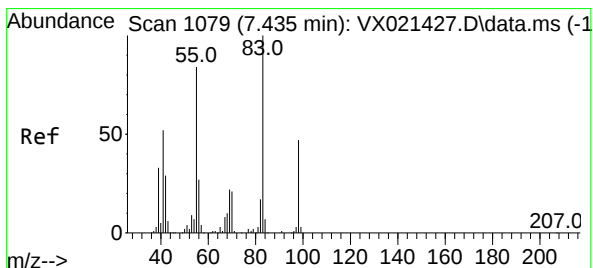
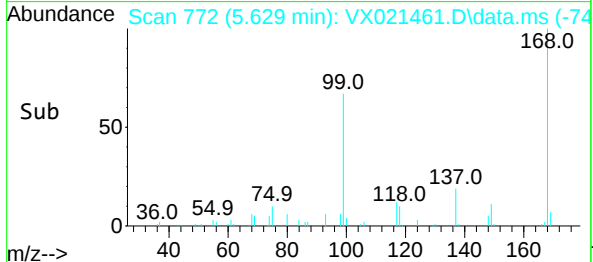
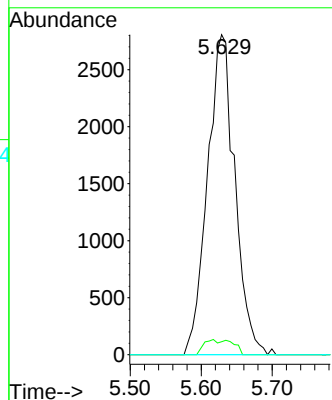


#38
Carbon Tetrachloride
Concen: 5.87 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Instrument :
MSVOA_X
ClientSampled :

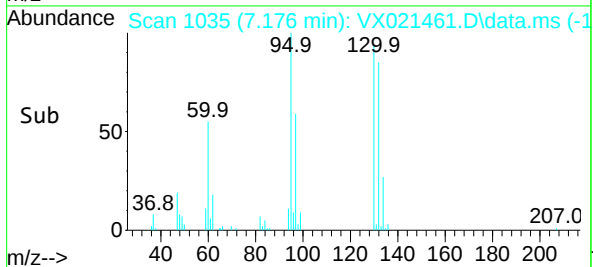
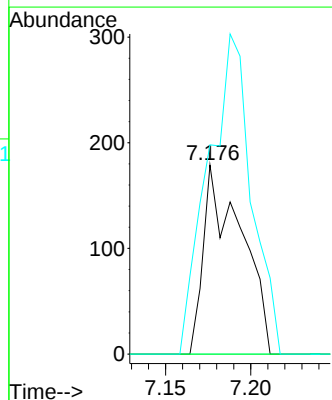
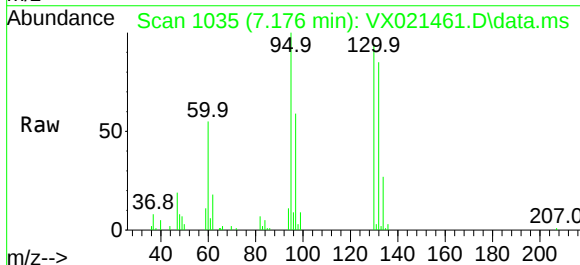


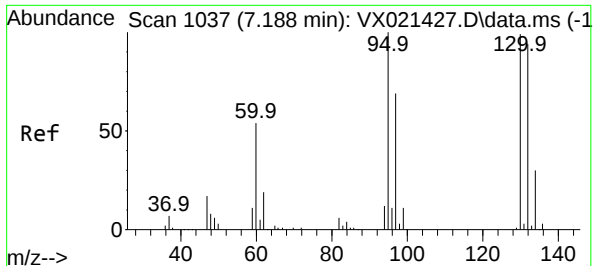
Tgt Ion:117 Resp: 7522
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.21 ug/l
RT: 7.176 min Scan# 1035
Delta R.T. -0.259 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 83 Resp: 277
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 110.6 38.1 57.1#

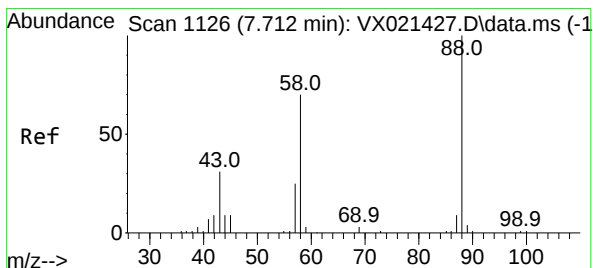
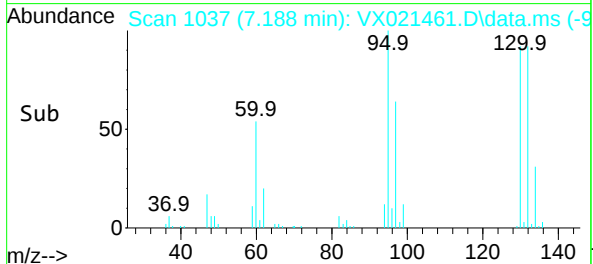
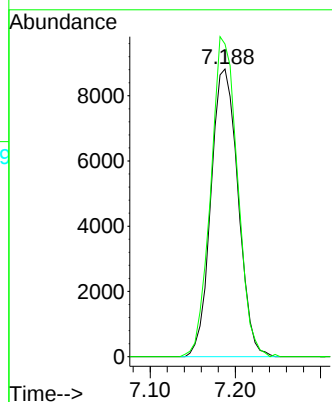
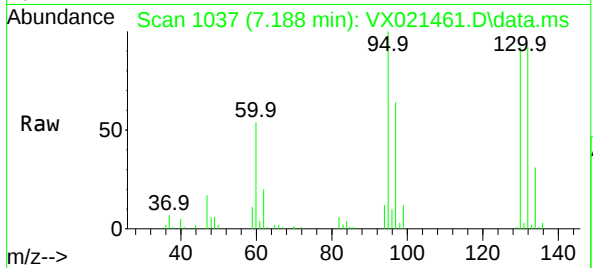




#44
Trichloroethene
Concen: 21.84 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

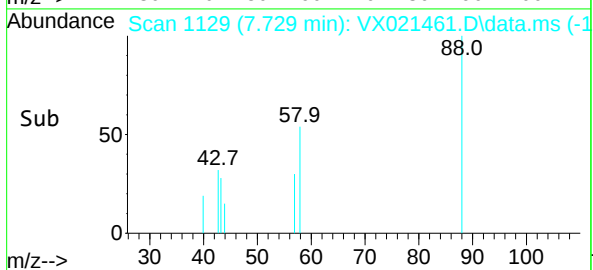
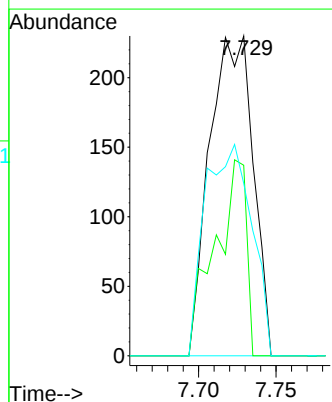
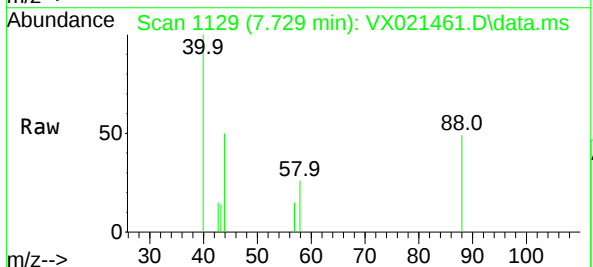
Instrument :
MSVOA_X
ClientSampled :

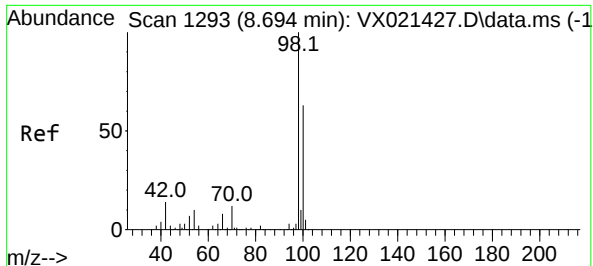
Tgt Ion:130 Resp: 19521
Ion Ratio Lower Upper
130 100
95 108.7 0.0 198.0



#49
1,4-Dioxane
Concen: 20.99 ug/l
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 88 Resp: 449
Ion Ratio Lower Upper
88 100
43 44.1 23.2 34.8#
58 71.0 55.0 82.4





#50

Toluene-d8

Concen: 49.76 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021461.D

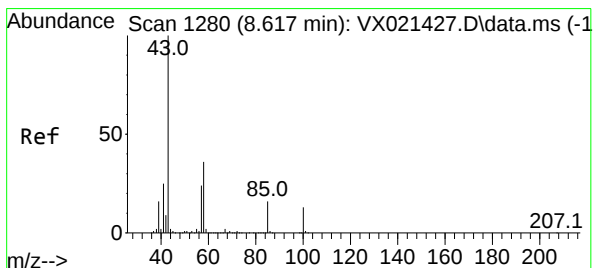
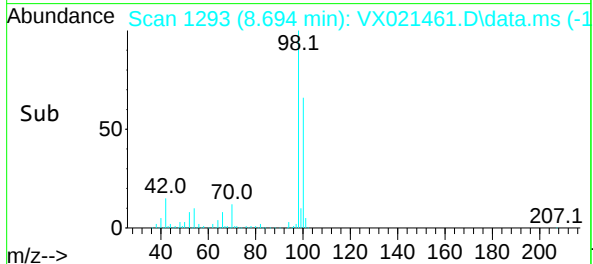
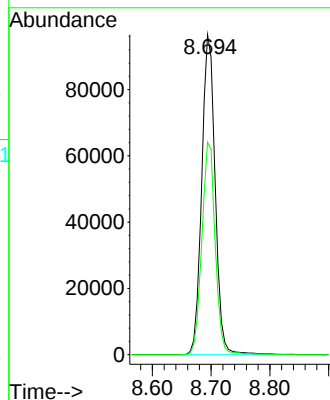
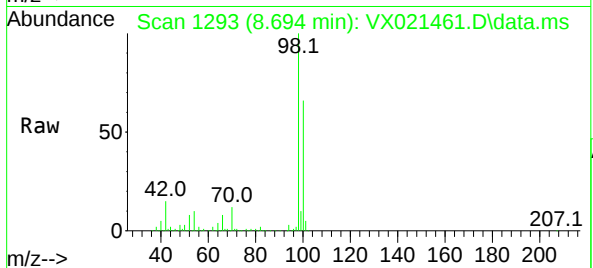
Acq: 25 Mar 2021 02:12

Tgt Ion: 98 Resp: 153340

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.68 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021461.D

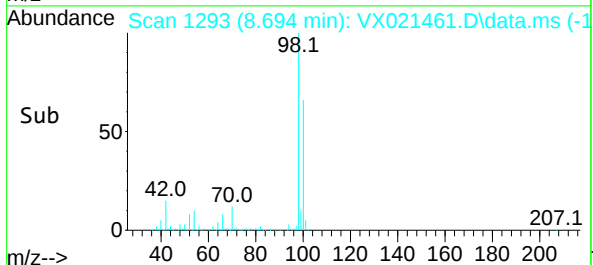
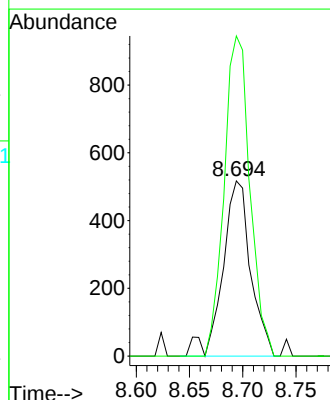
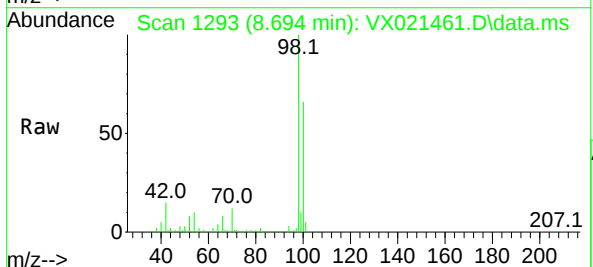
Acq: 25 Mar 2021 02:12

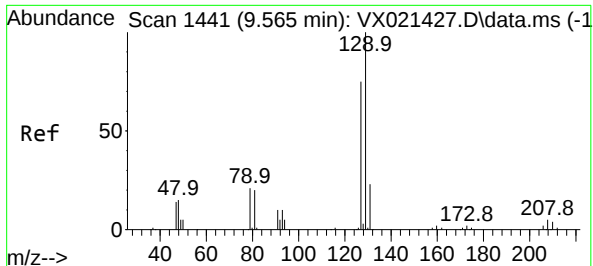
Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

58 169.0 35.4 53.0#

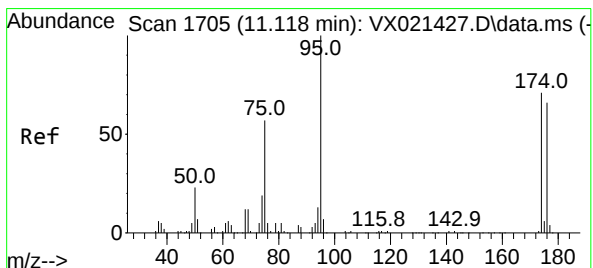
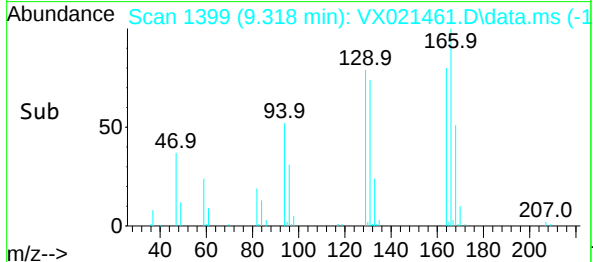
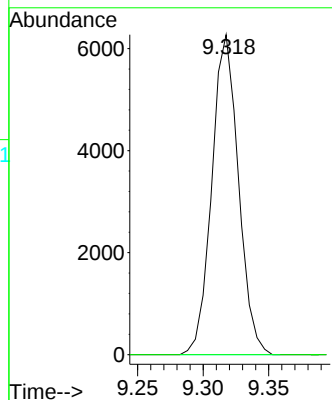
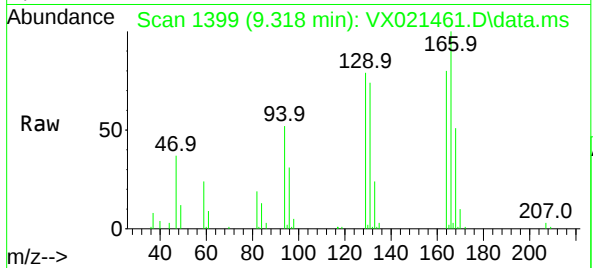




#60
Dibromochloromethane
Concen: 8.96 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

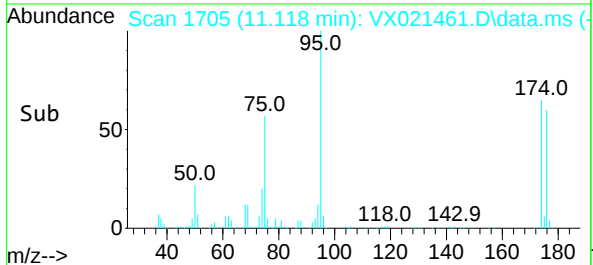
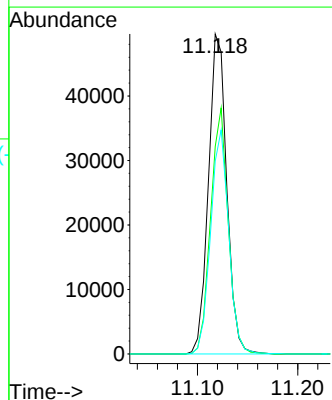
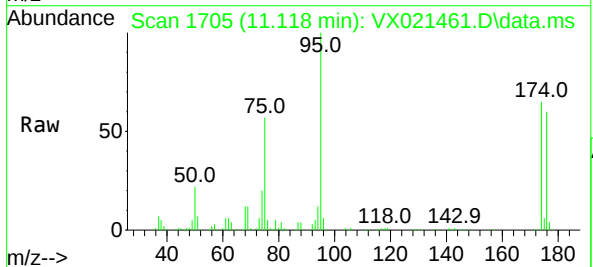
Instrument :
MSVOA_X
ClientSampled :

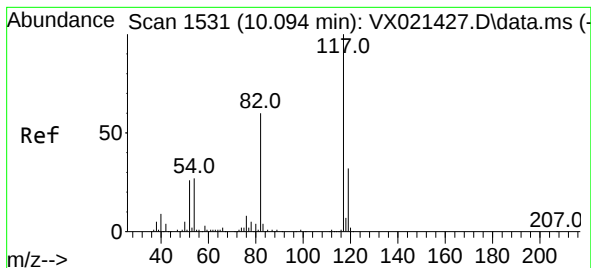
Tgt Ion:129 Resp: 8867
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.65 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

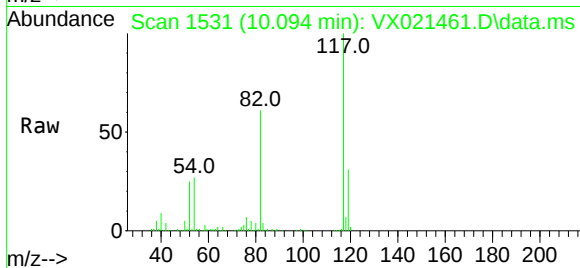
Tgt Ion: 95 Resp: 63085
Ion Ratio Lower Upper
95 100
174 73.8 0.0 154.6
176 69.1 0.0 155.8



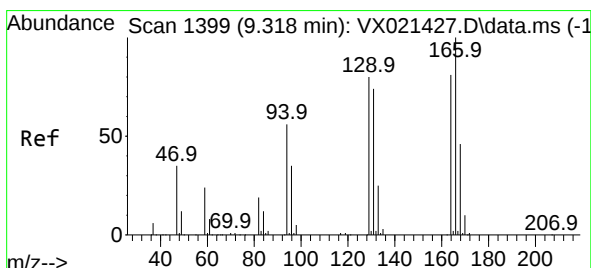
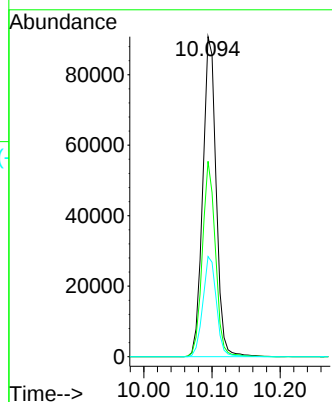
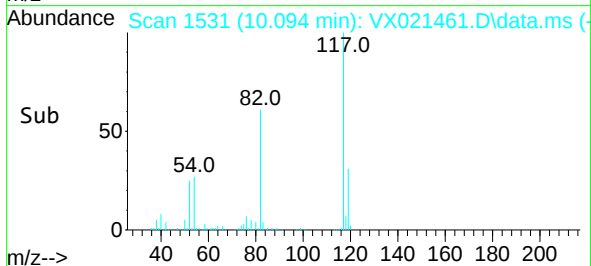


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

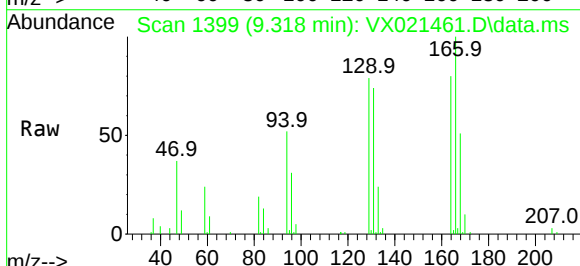
Instrument :
MSVOA_X
ClientSampled :



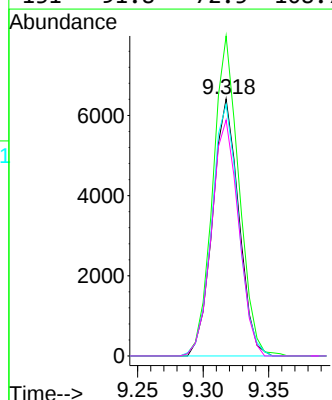
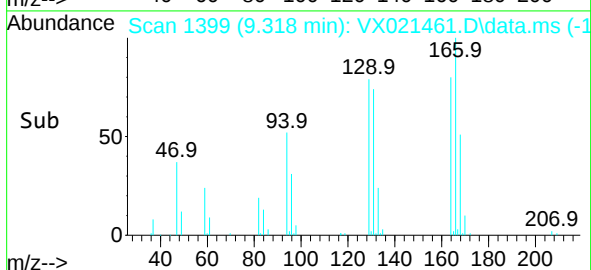
Tgt Ion:117 Resp: 123866
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.3 26.6 39.8

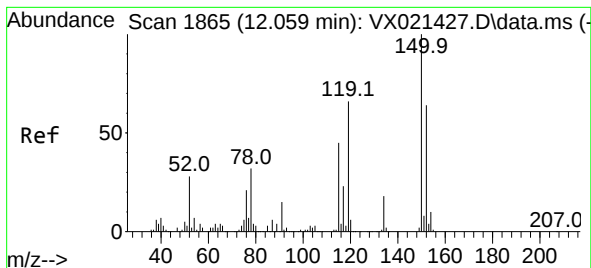


#64
Tetrachloroethene
Concen: 10.70 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12



Tgt Ion:164 Resp: 8875
Ion Ratio Lower Upper
164 100
166 124.5 103.4 155.2
129 97.8 70.8 106.2
131 91.8 72.5 108.7

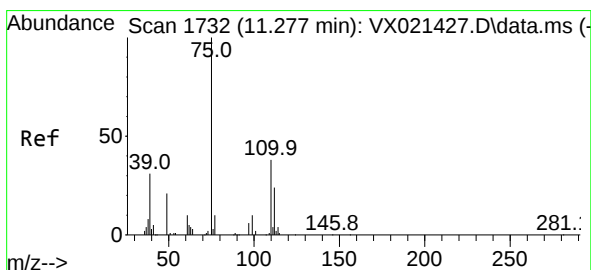
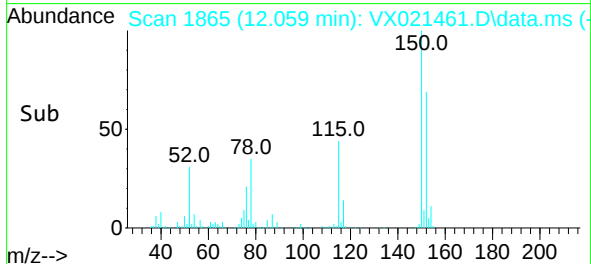
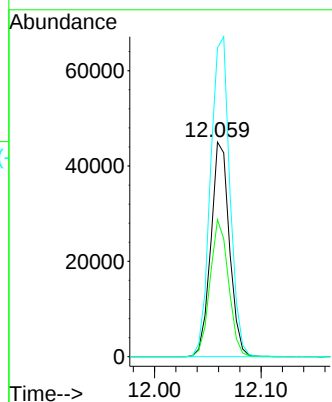
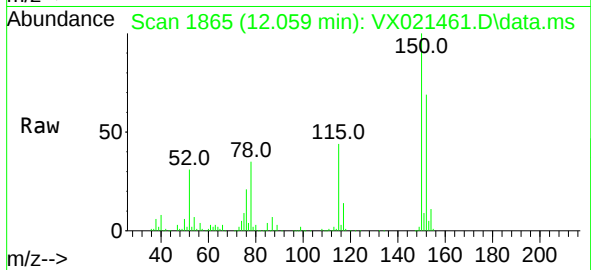




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

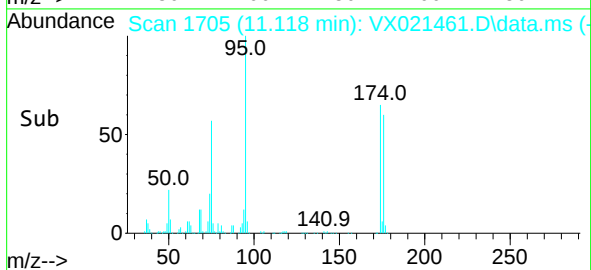
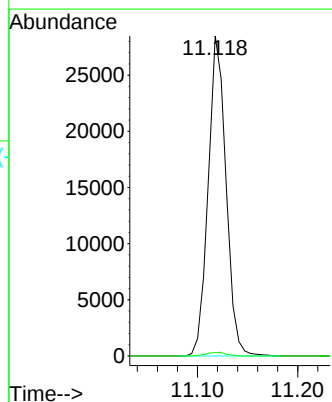
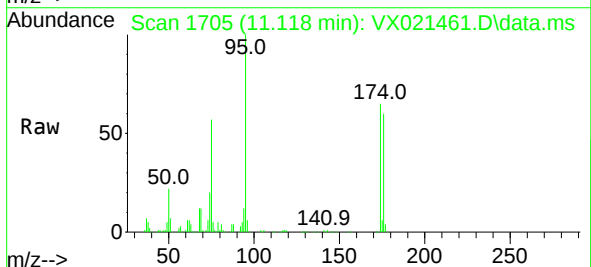
Instrument :
MSVOA_X
ClientSampleId :

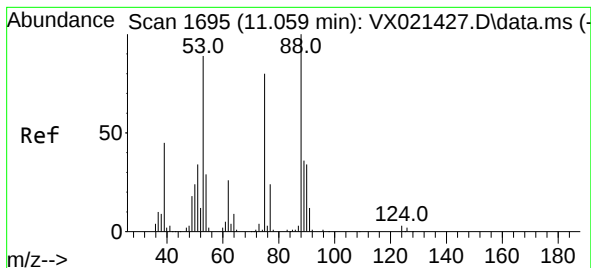
Tgt Ion:152 Resp: 54424
Ion Ratio Lower Upper
152 100
115 63.1 41.1 123.3
150 155.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021461.D
Acq: 25 Mar 2021 02:12

Tgt Ion: 75 Resp: 35323
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 84.92 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. 0.059 min

Lab File: VX021461.D

Acq: 25 Mar 2021 02:12

Tgt Ion: 75 Resp: 35323

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

Instrument :

MSVOA_X

ClientSampleId :

