

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020173.D
 Acq On : 19 Dec 2020 16:01
 Operator : JC/MD
 Sample : L5053-21 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20201210DL

Quant Time: Dec 21 02:33:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

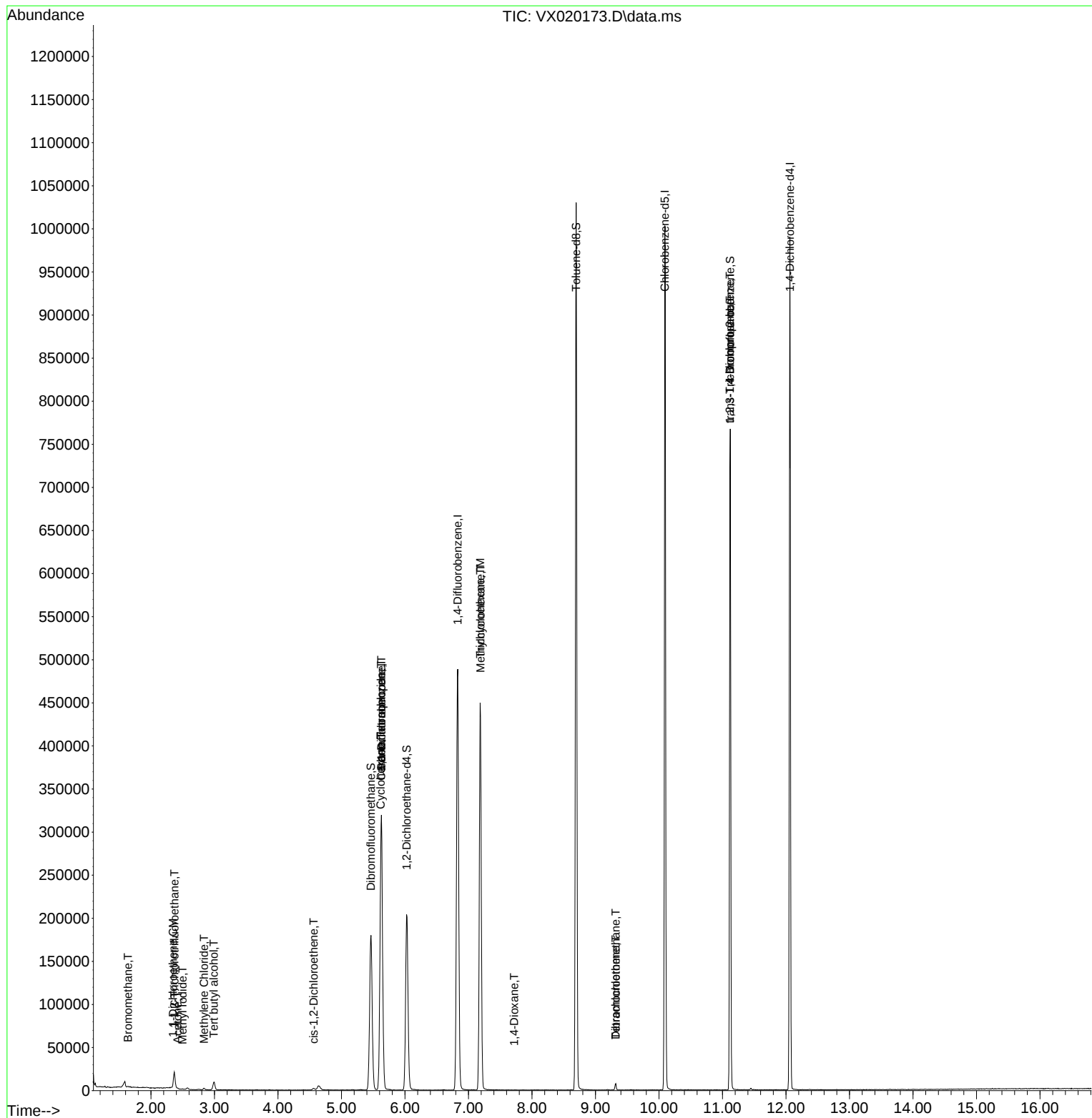
Internal Standards						
1) Pentafluorobenzene	5.629	168	302014	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	502162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	468468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	201157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	195554	48.30	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.60%
35) Dibromofluoromethane	5.465	113	156489	48.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.42%
50) Toluene-d8	8.696	98	609685	49.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.62%
62) 4-Bromofluorobenzene	11.122	95	215172	45.47	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.94%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	634	0.48	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.368	101	6246	2.07	ug/l	99
10) Methyl Iodide	2.496	142	533	3.41	ug/l #	91
11) Tert butyl alcohol	2.989	59	5788	6.38	ug/l #	73
12) 1,1-Dichloroethene	2.349	96	759	0.25	ug/l	87
16) Acetone	2.416	43	1300	0.70	ug/l #	86
20) Methylene Chloride	2.837	84	862	0.21	ug/l	90
27) cis-1,2-Dichloroethene	4.562	96	1343	0.32	ug/l	95
31) Cyclohexane	5.617	56	5661	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23396	4.71	ug/l #	48
38) Carbon Tetrachloride	5.623	117	29441	6.24	ug/l #	17
39) Methylcyclohexane	7.190	83	2180	0.38	ug/l #	1
44) Trichloroethene	7.184	130	176860	44.29	ug/l	98
49) 1,4-Dioxane	7.720	88	116	1.24	ug/l #	38
60) Dibromochloromethane	9.317	129	1432	0.37	ug/l #	11
64) Tetrachloroethene	9.317	164	1515	0.43	ug/l	90
76) 1,2,3-Trichloropropane	11.116	75	103836	20.96	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	103836	62.17	ug/l #	12

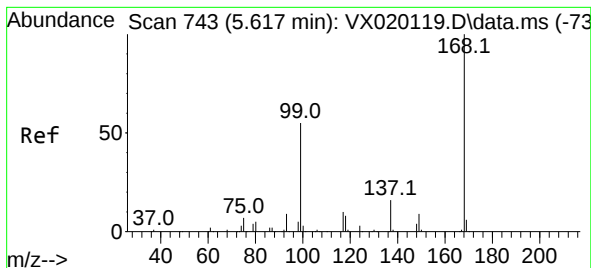
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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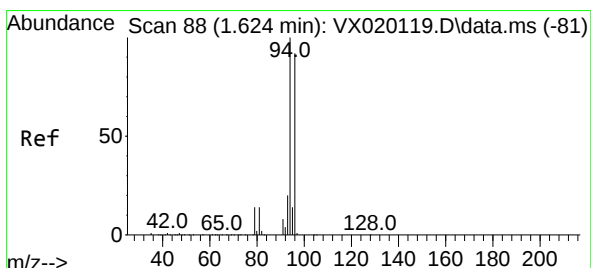
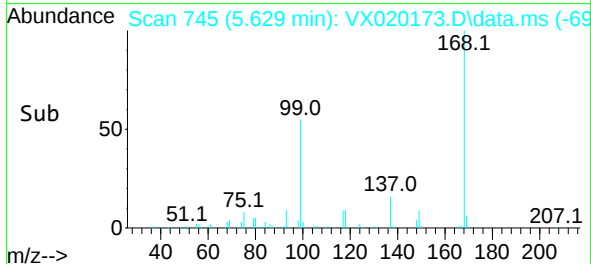
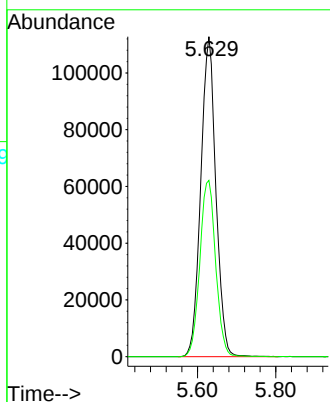
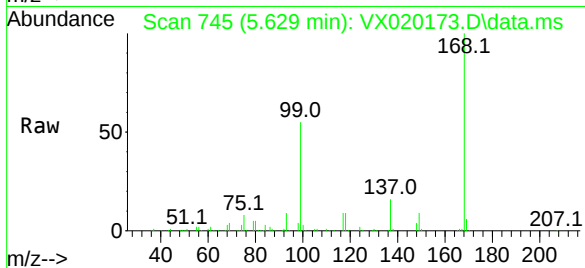


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.629 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VX020173.D
 Acq: 19 Dec 2020 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20201210DL

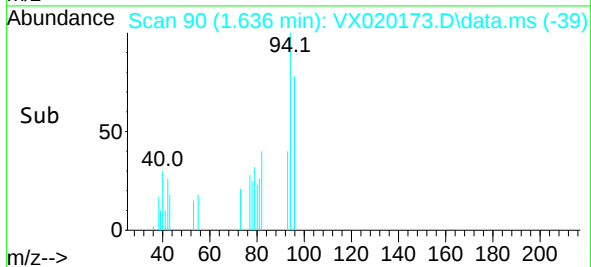
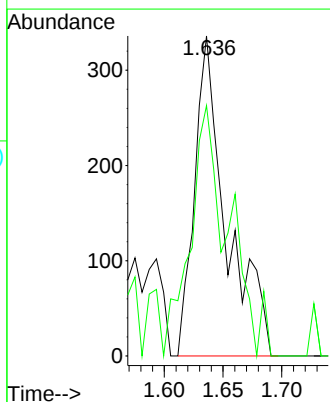
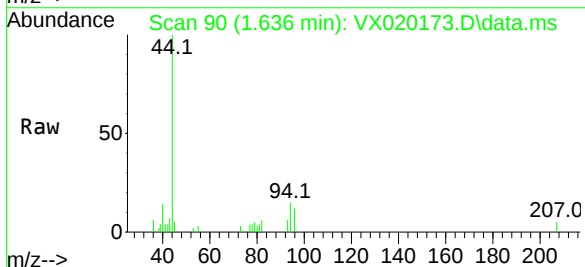
Tgt Ion:168 Resp: 302014
 Ion Ratio Lower Upper
 168 100
 99 55.1 45.8 68.6

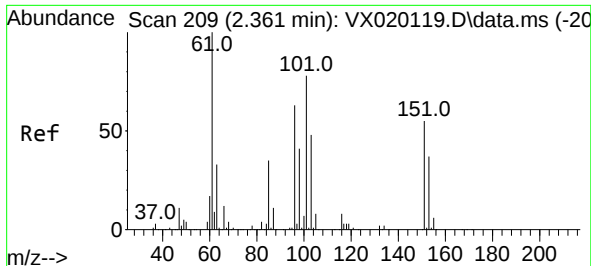


#5

Bromomethane
 Concen: 0.48 ug/l
 RT: 1.636 min Scan# 90
 Delta R.T. 0.012 min
 Lab File: VX020173.D
 Acq: 19 Dec 2020 16:01

Tgt Ion: 94 Resp: 634
 Ion Ratio Lower Upper
 94 100
 96 78.3 76.4 114.6

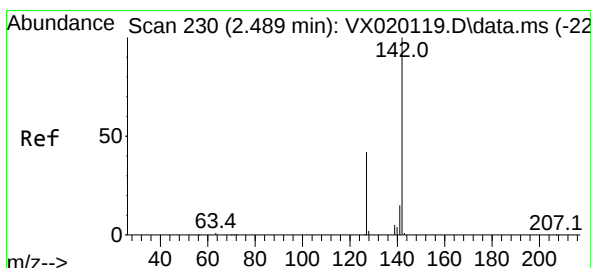
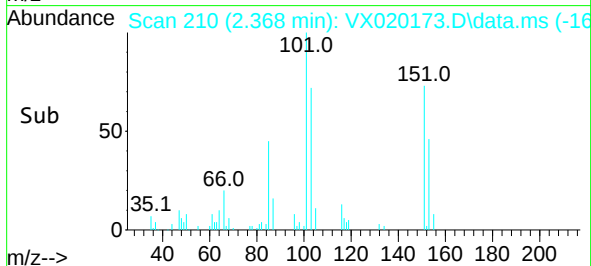
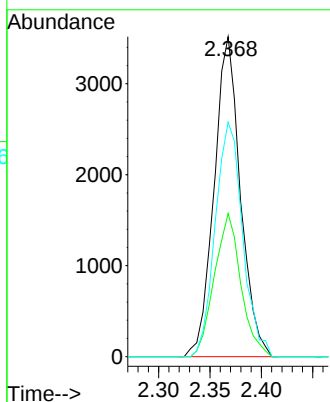
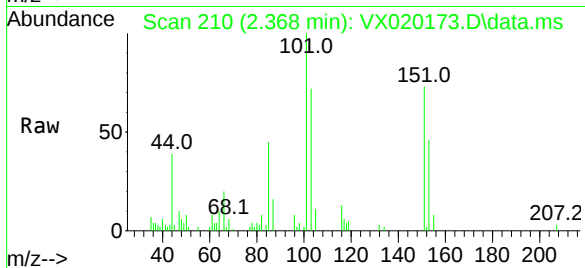




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.07 ug/l
RT: 2.368 min Scan# 210
Delta R.T. 0.007 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

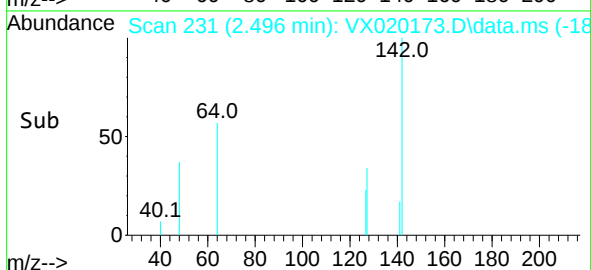
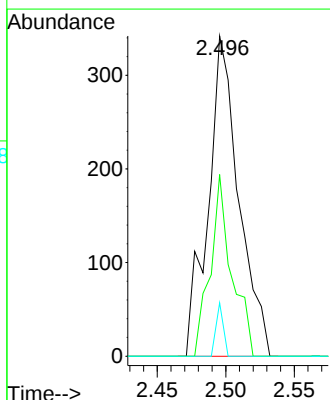
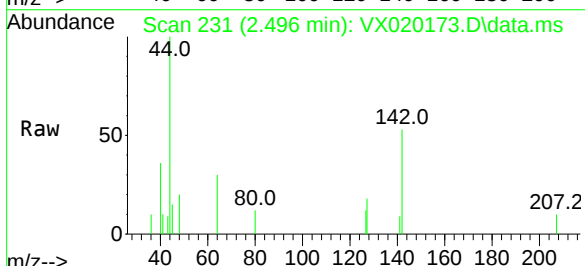
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

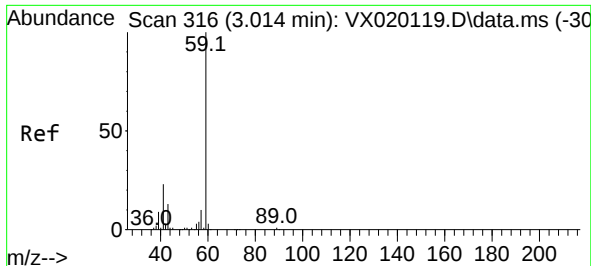
Tgt Ion:101 Resp: 6246
Ion Ratio Lower Upper
101 100
85 45.0 34.9 52.3
151 76.3 61.4 92.2



#10
Methyl Iodide
Concen: 3.41 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

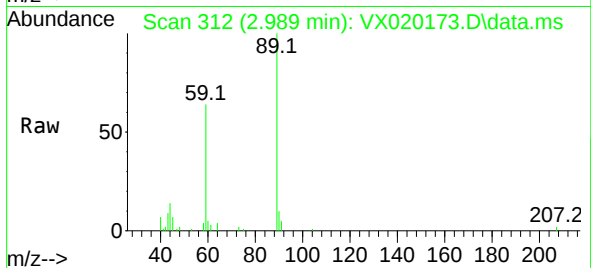
Tgt Ion:142 Resp: 533
Ion Ratio Lower Upper
142 100
127 39.4 33.3 49.9
141 3.9 11.4 17.0#



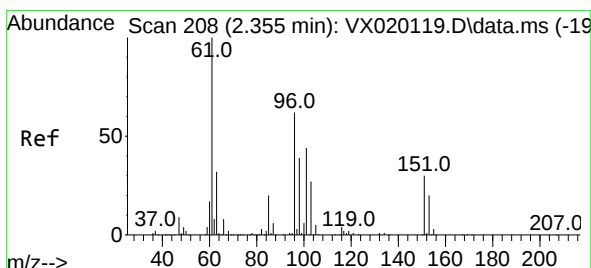
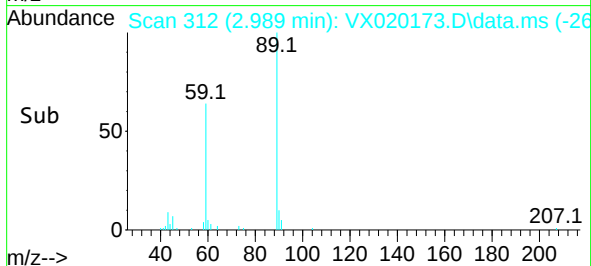
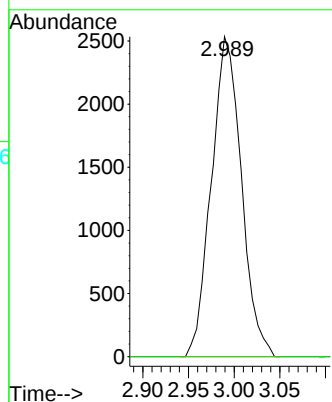


#11
Tert butyl alcohol
Concen: 6.38 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

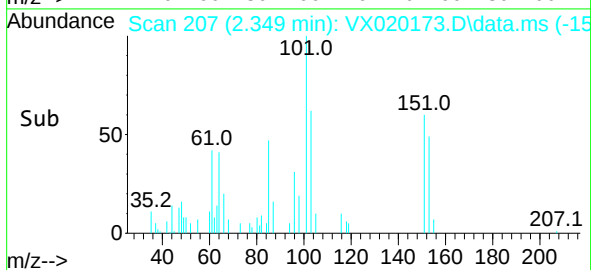
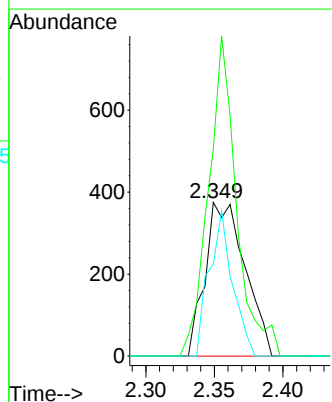
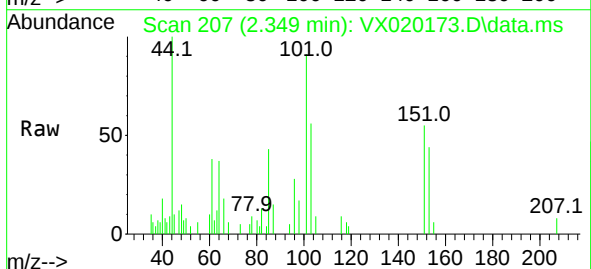


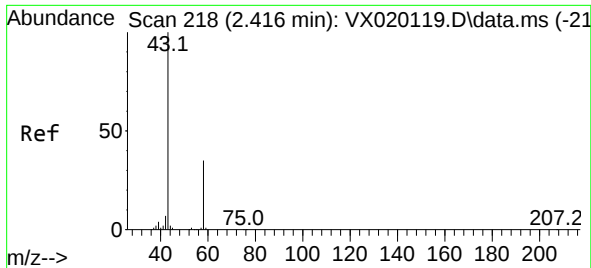
Tgt Ion: 59 Resp: 5788
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.25 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 96 Resp: 759
Ion Ratio Lower Upper
96 100
61 134.7 124.6 187.0
98 60.0 50.6 76.0

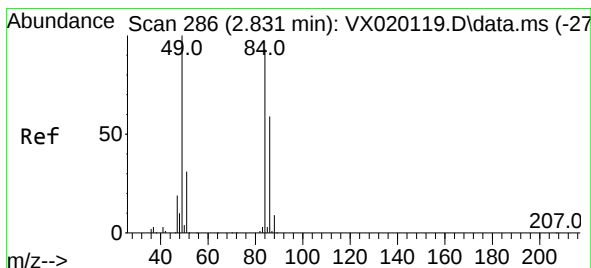
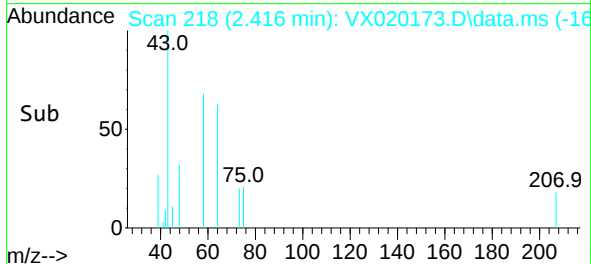
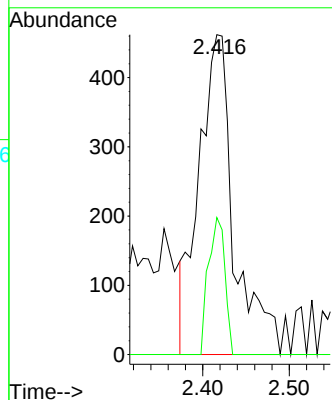
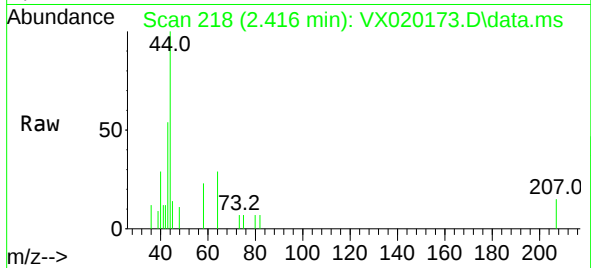




#16
Acetone
Concen: 0.70 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

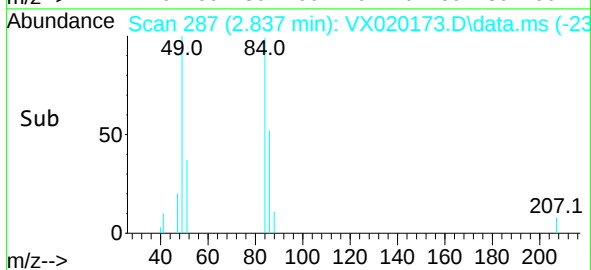
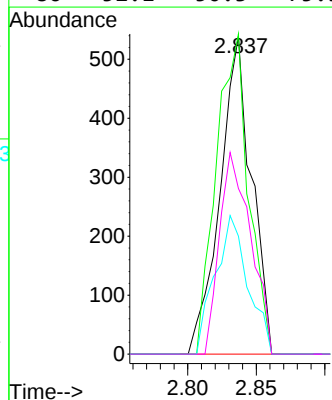
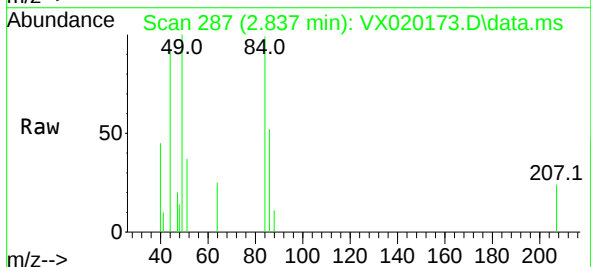
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

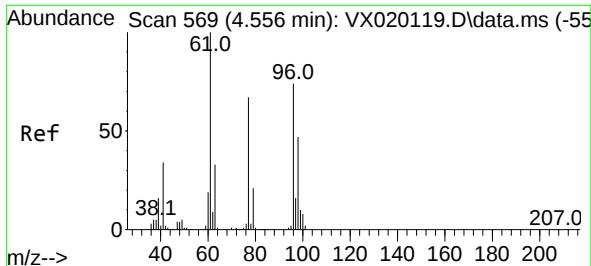
Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 42.9 27.8 41.8#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 100.7 88.6 132.8
51 37.1 27.0 40.6
86 52.1 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.32 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020173.D

Acq: 19 Dec 2020 16:01

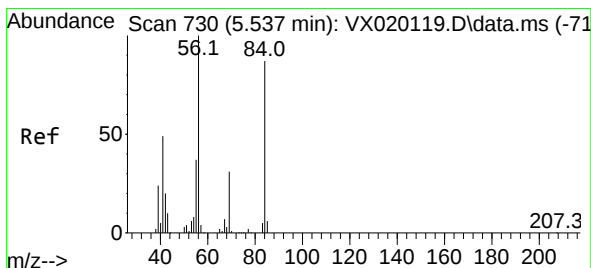
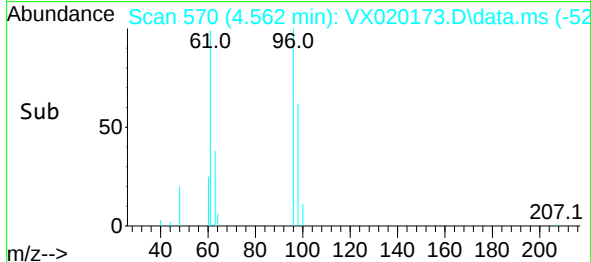
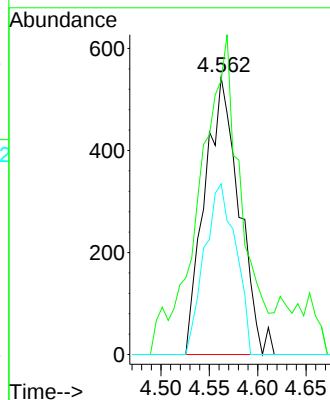
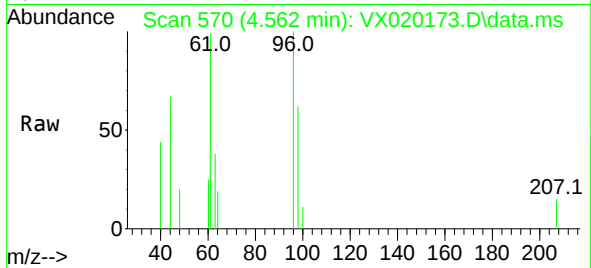
Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20201210DL

Tgt Ion:	96	Resp:	1343
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	285.6
98	56.1	0.0	129.6



#31

Cyclohexane

Concen: 1.01 ug/l

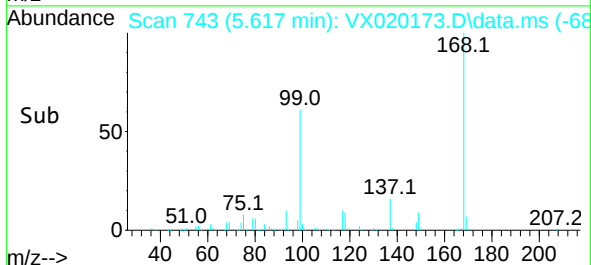
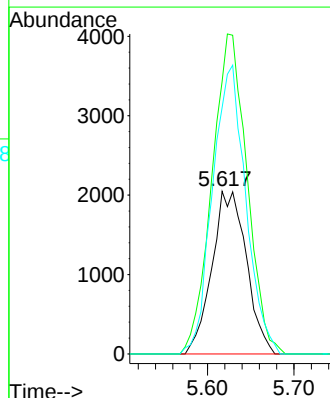
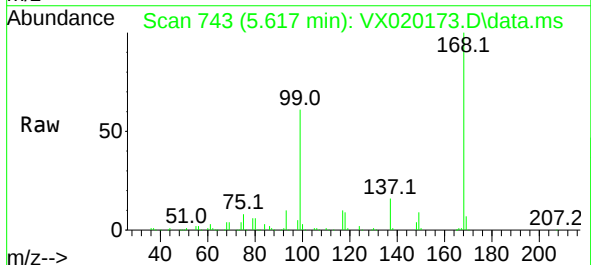
RT: 5.617 min Scan# 743

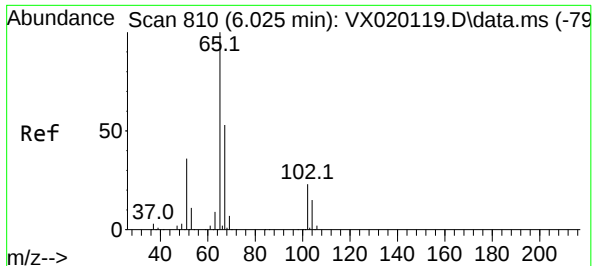
Delta R.T. 0.080 min

Lab File: VX020173.D

Acq: 19 Dec 2020 16:01

Tgt Ion:	56	Resp:	5661
Ion	Ratio	Lower	Upper
56	100		
69	167.6	25.3	37.9#
84	151.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.30 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020173.D

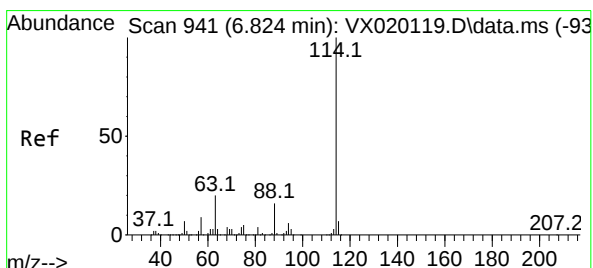
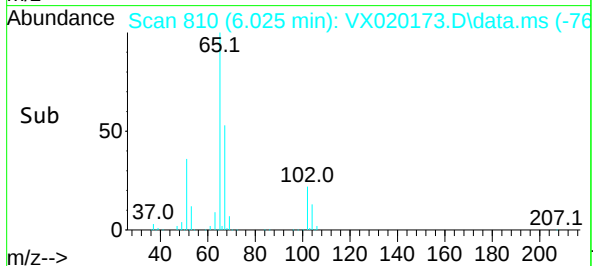
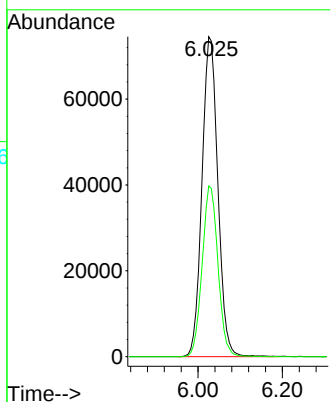
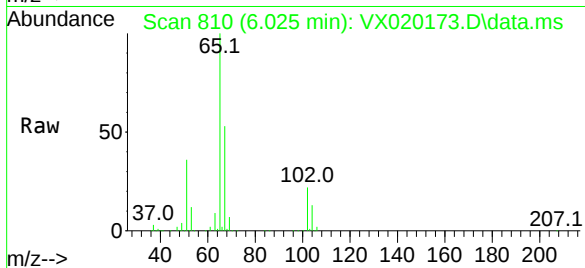
Acq: 19 Dec 2020 16:01

Tgt Ion: 65 Resp: 195554

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020173.D

Acq: 19 Dec 2020 16:01

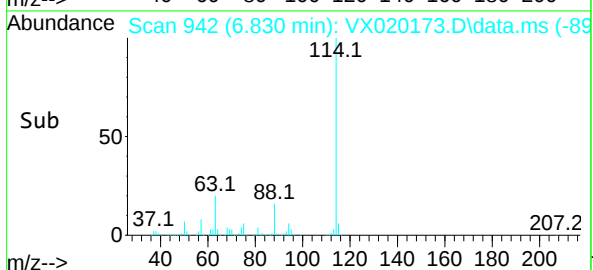
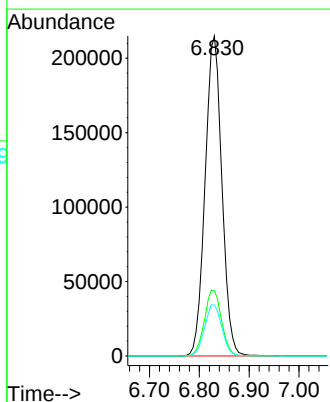
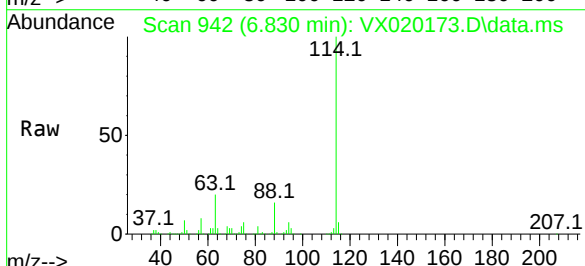
Tgt Ion: 114 Resp: 502162

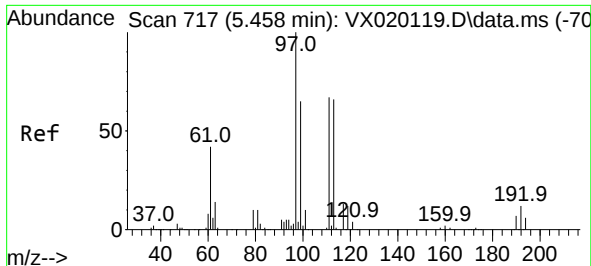
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

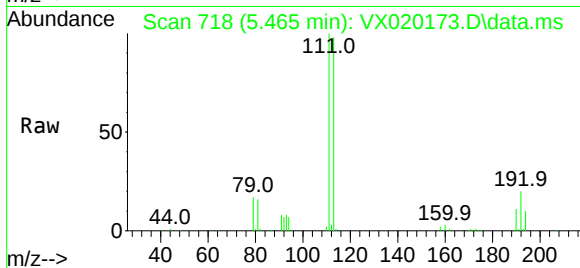
88 15.9 0.0 32.8



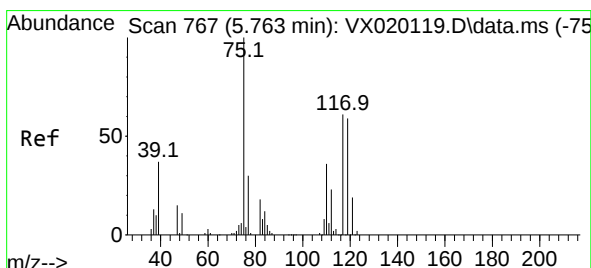
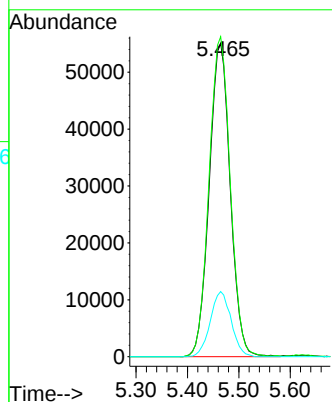
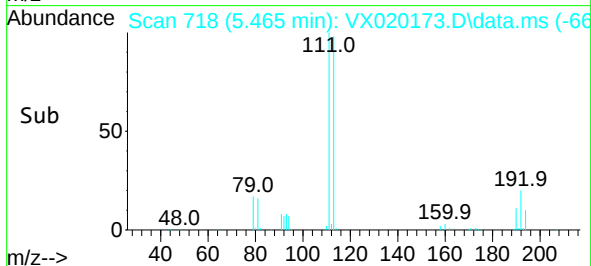


#35
Dibromofluoromethane
Concen: 48.71 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

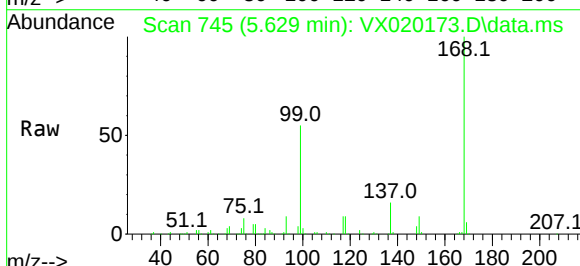
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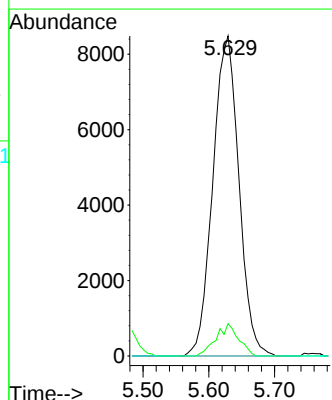
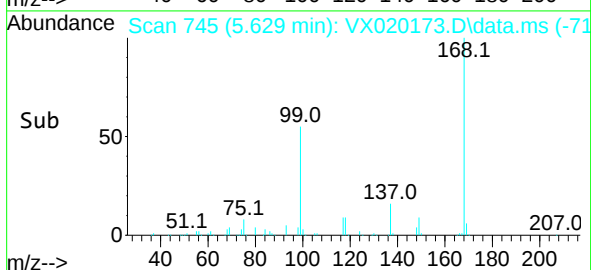
Tgt Ion:113 Resp: 156489
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.6 16.7 25.1

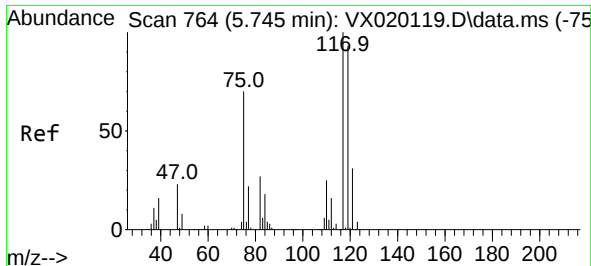


#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01



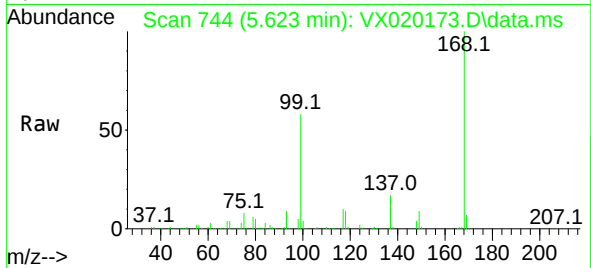
Tgt Ion: 75 Resp: 23396
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



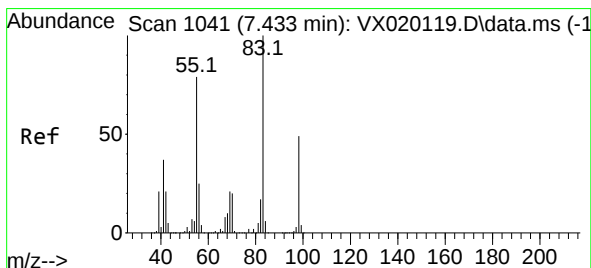
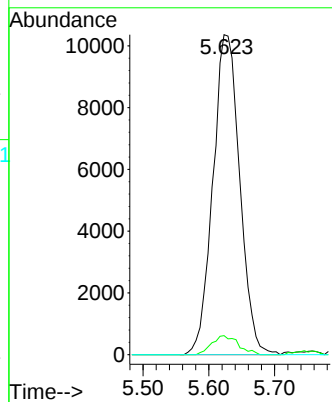
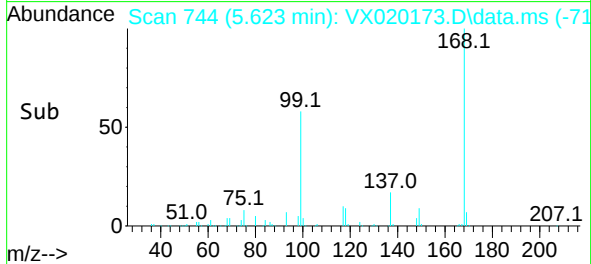


#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

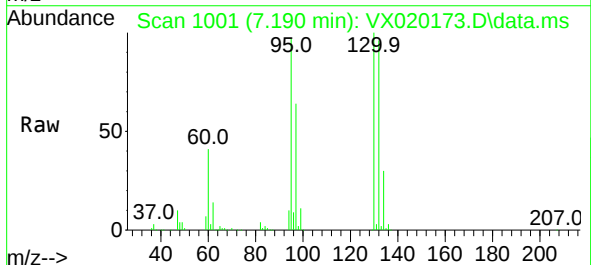
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL



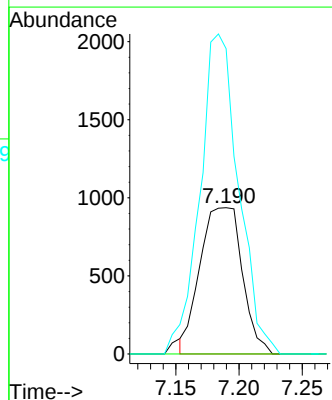
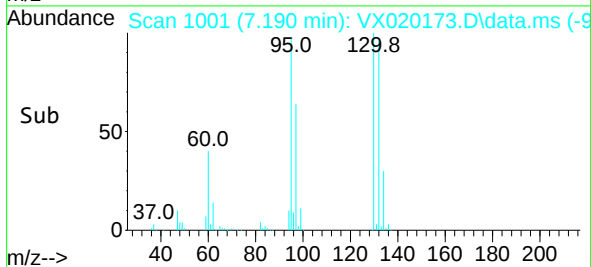
Tgt Ion:117 Resp: 29441
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#

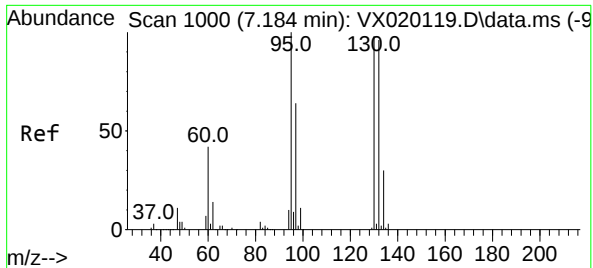


#39
Methylcyclohexane
Concen: 0.38 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. -0.243 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01



Tgt Ion: 83 Resp: 2180
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 208.6 38.1 57.1#

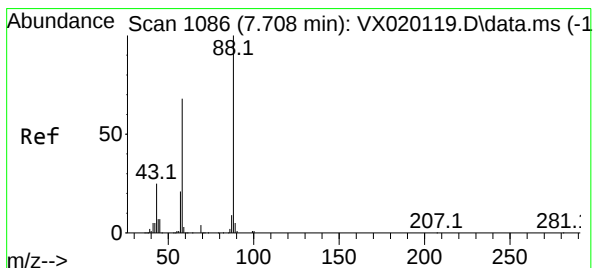
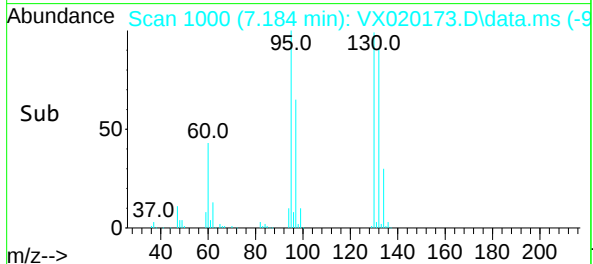
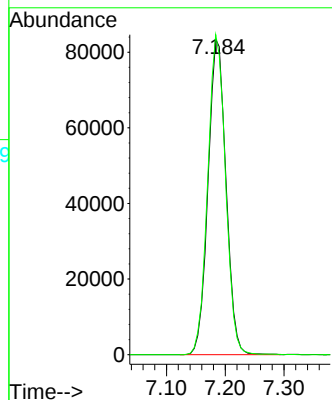
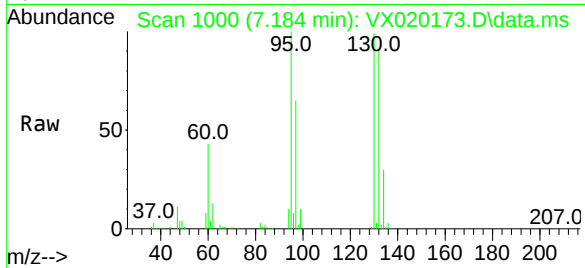




#44
Trichloroethene
Concen: 44.29 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

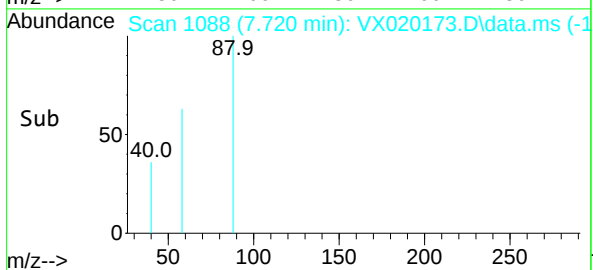
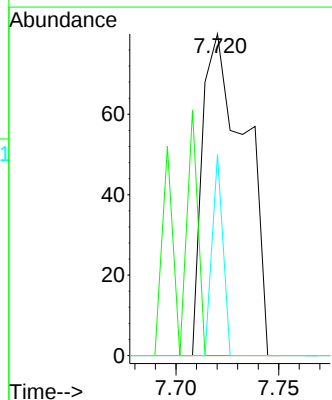
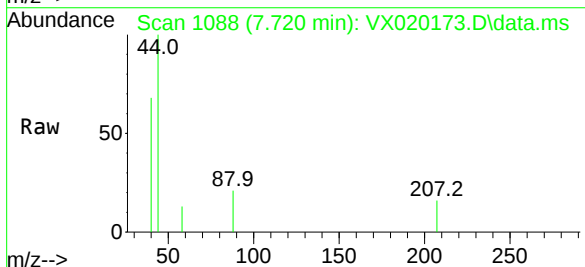
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

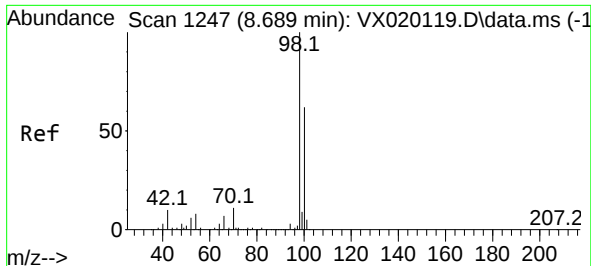
Tgt Ion:130 Resp: 176860
Ion Ratio Lower Upper
130 100
95 101.4 0.0 198.0



#49
1,4-Dioxane
Concen: 1.24 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 15.5 55.0 82.4#

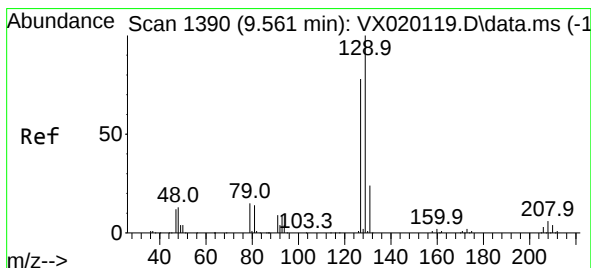
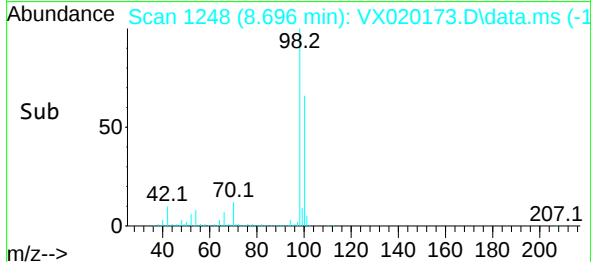
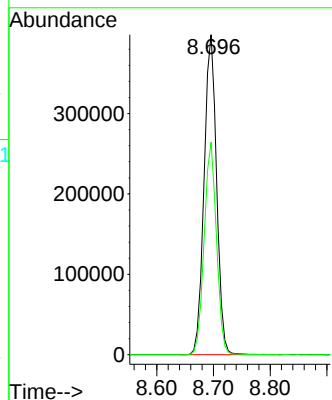
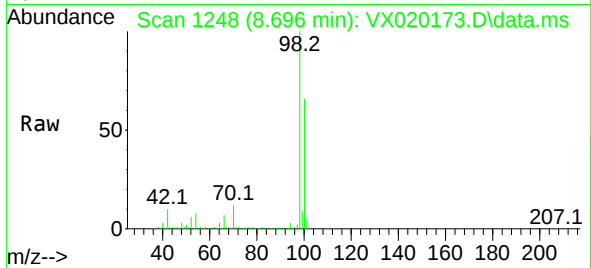




#50
Toluene-d8
Concen: 49.31 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

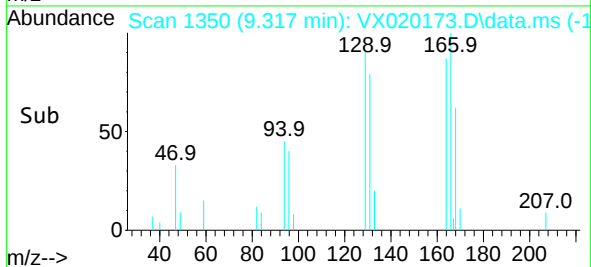
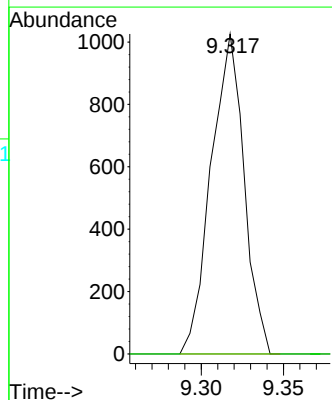
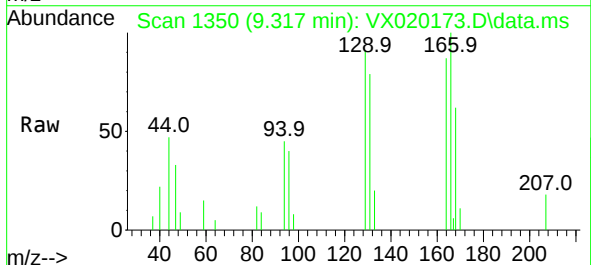
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

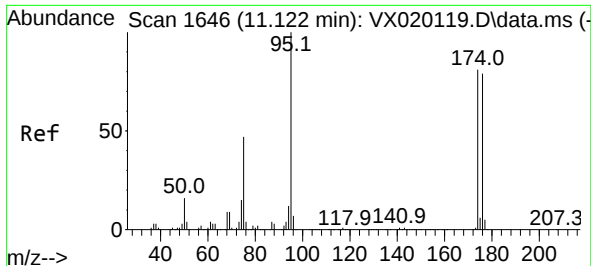
Tgt Ion: 98 Resp: 609685
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#60
Dibromochloromethane
Concen: 0.37 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 129 Resp: 1432
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

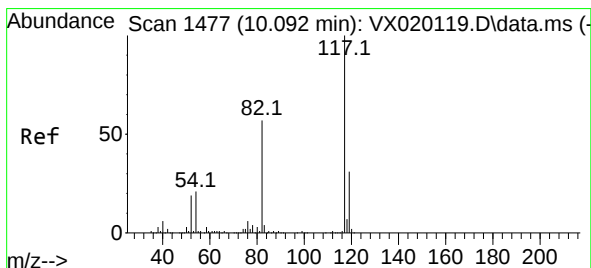
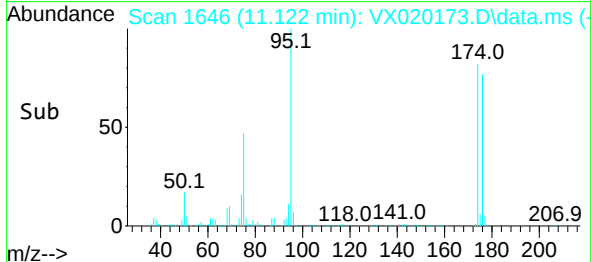
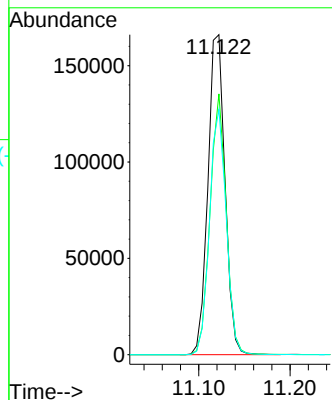
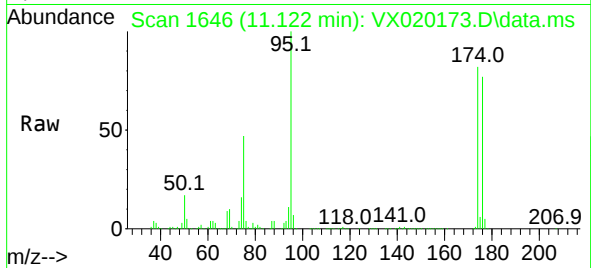




#62
4-Bromofluorobenzene
Concen: 45.47 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

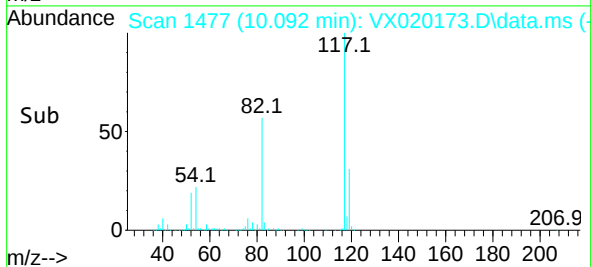
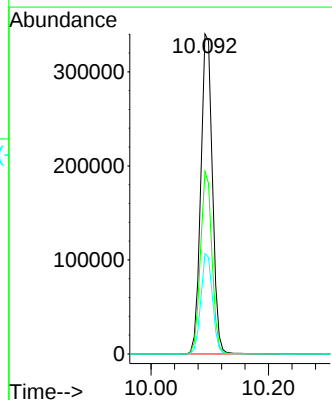
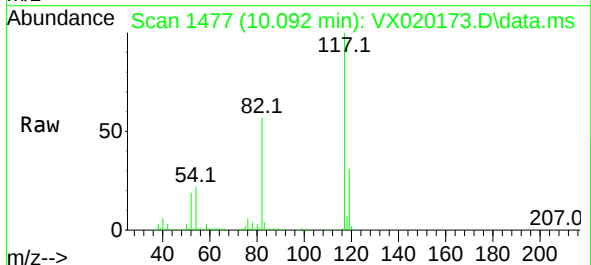
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

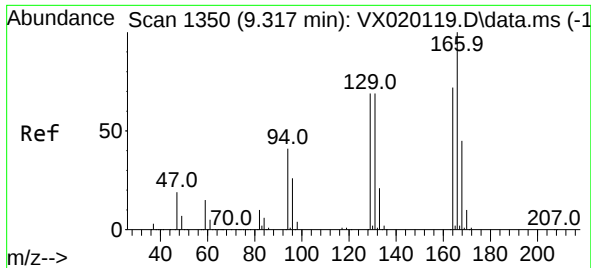
Tgt Ion: 95 Resp: 215172
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 74.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 117 Resp: 468468
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.3 26.6 39.8



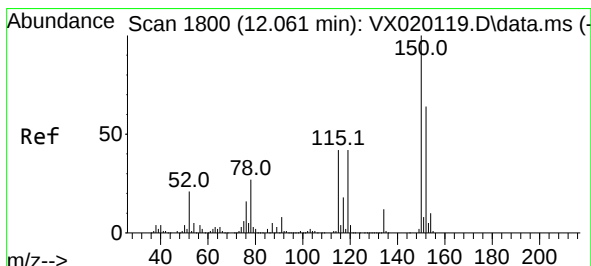
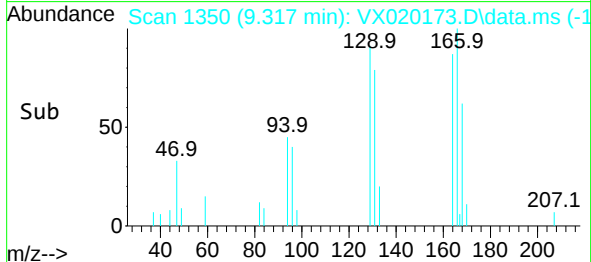
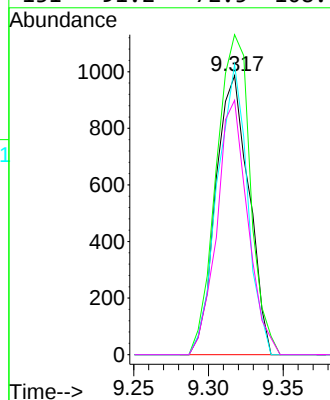
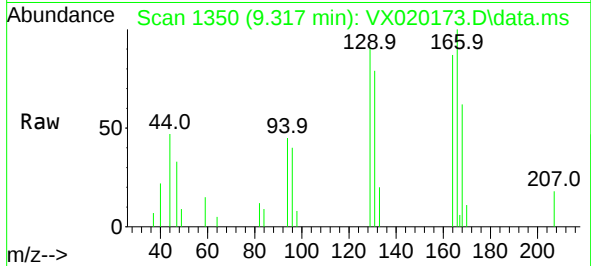


#64
Tetrachloroethene
Concen: 0.43 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

Tgt Ion:164 Resp: 1515

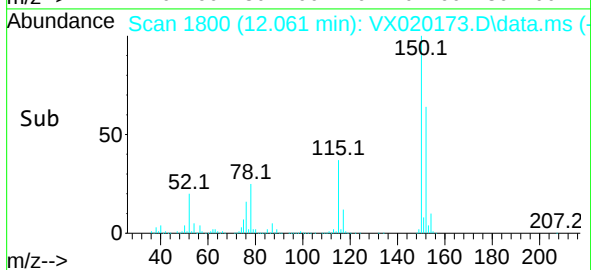
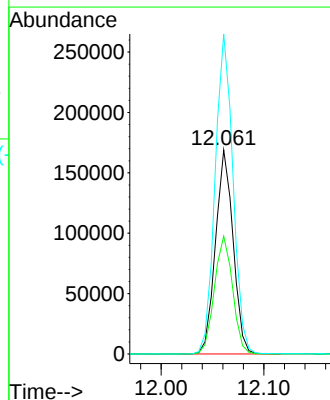
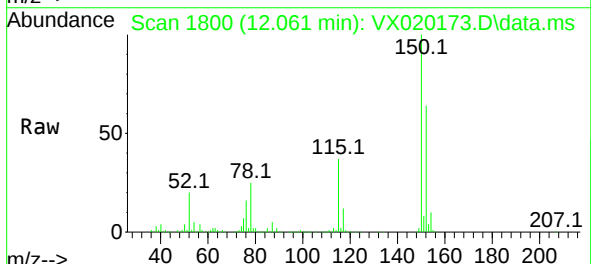
Ion	Ratio	Lower	Upper
164	100		
166	114.7	103.4	155.2
129	104.1	70.8	106.2
131	91.2	72.5	108.7

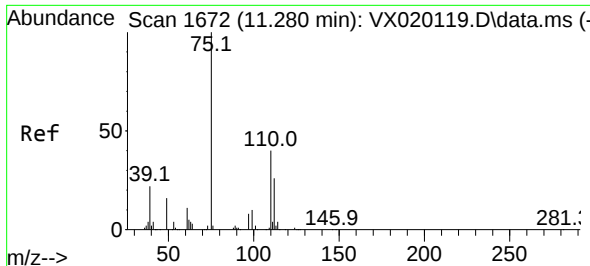


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion:152 Resp: 201157

Ion	Ratio	Lower	Upper
152	100		
115	59.4	41.1	123.3
150	158.8	0.0	349.0

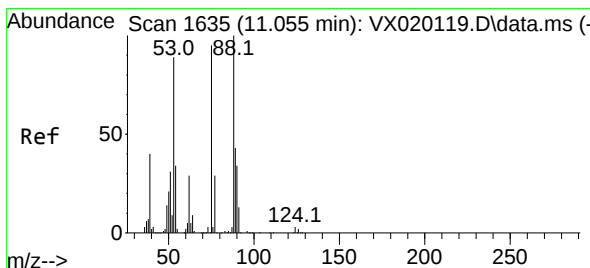
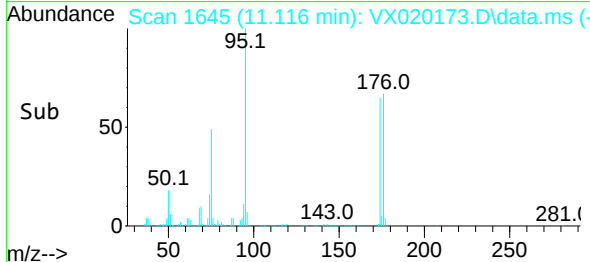
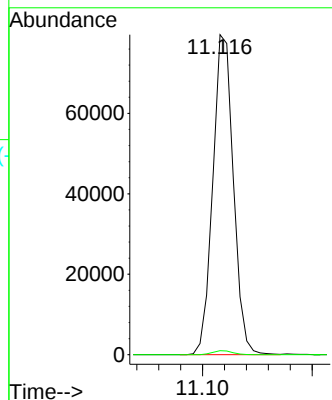
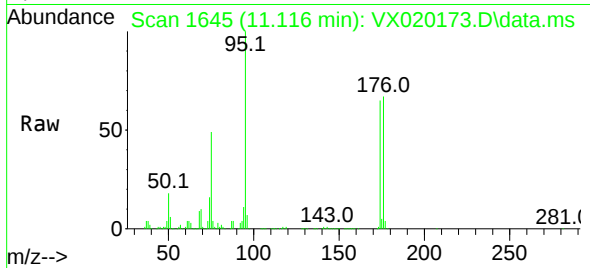




#76
1,2,3-Trichloropropane
Concen: 20.96 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20201210DL

Tgt Ion: 75 Resp: 103836
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.17 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020173.D
Acq: 19 Dec 2020 16:01

Tgt Ion: 75 Resp: 103836
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

