

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020133.D
 Acq On : 18 Dec 2020 17:55
 Operator : JC/MD
 Sample : L5053-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20201209

Quant Time: Dec 19 04:49:17 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)

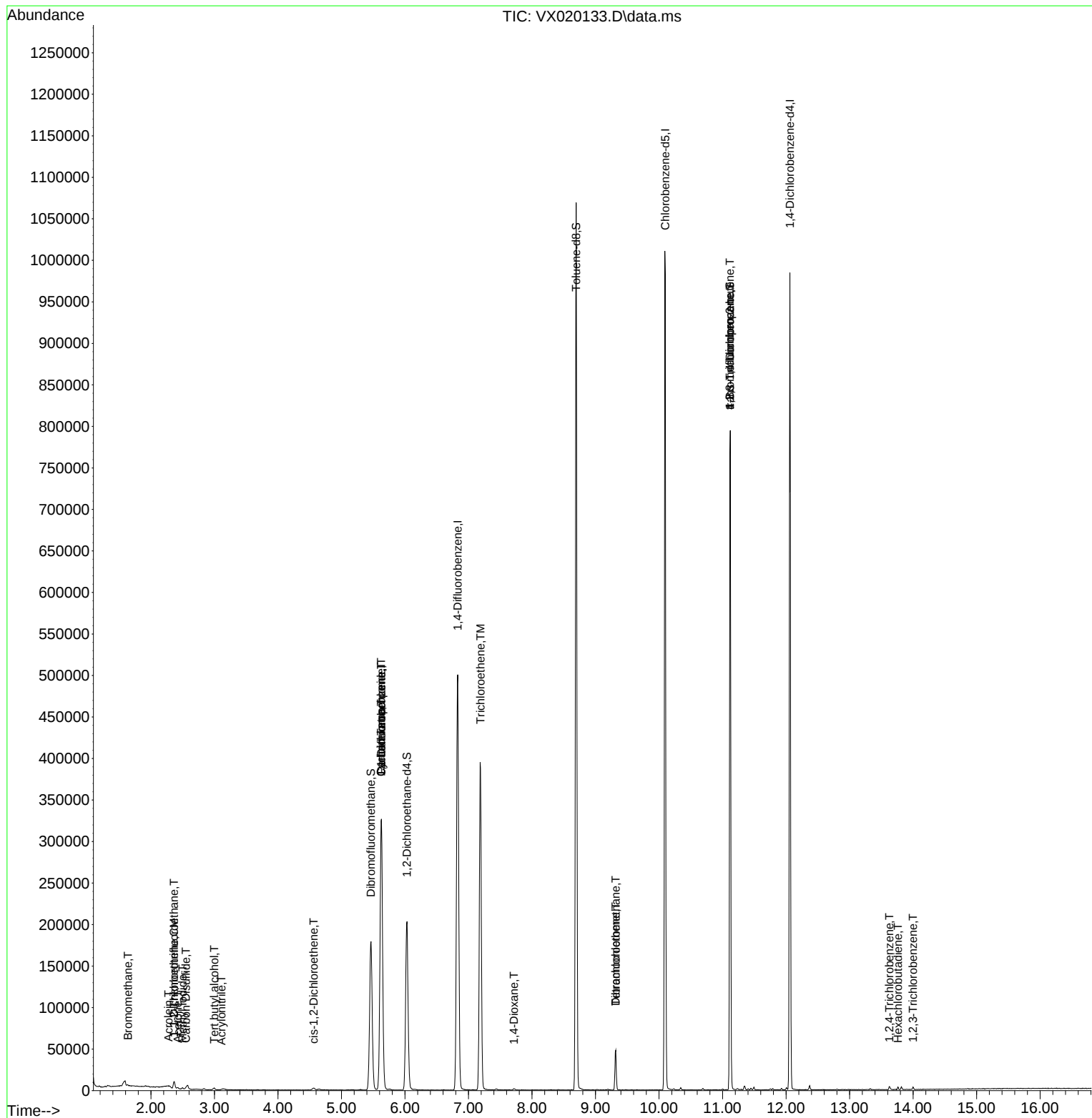
Internal Standards						
1) Pentafluorobenzene	5.629	168	317034	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	517966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	473536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	199634	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	196180	46.16	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.32%
35) Dibromofluoromethane	5.464	113	157295	47.47	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.94%
50) Toluene-d8	8.695	98	626451	49.12	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.24%
62) 4-Bromofluorobenzene	11.116	95	220630	45.20	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.40%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	983	0.71	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.361	101	3007	0.95	ug/l	98
10) Methyl Iodide	2.495	142	1967	3.72	ug/l #	97
11) Tert butyl alcohol	2.995	59	1448	1.52	ug/l #	73
12) 1,1-Dichloroethene	2.361	96	705	0.22	ug/l #	87
13) Acrolein	2.276	56	326	0.55	ug/l	95
15) Acrylonitrile	3.111	53	510	0.23	ug/l #	92
16) Acetone	2.422	43	1498	0.77	ug/l	90
17) Carbon Disulfide	2.550	76	2392	0.25	ug/l #	88
27) cis-1,2-Dichloroethene	4.562	96	1508	0.34	ug/l	97
31) Cyclohexane	5.623	56	6340	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	23956	4.68	ug/l #	49
38) Carbon Tetrachloride	5.623	117	31108	6.39	ug/l #	17
44) Trichloroethene	7.189	130	156764	38.06	ug/l	97
49) 1,4-Dioxane	7.714	88	1039	10.78	ug/l #	88
60) Dibromochloromethane	9.317	129	8155	2.05	ug/l #	11
64) Tetrachloroethene	9.317	164	8808	2.47	ug/l	95
76) 1,2,3-Trichloropropane	11.116	75	107442	21.85	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	107442	64.82	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.627	180	939	0.22	ug/l	90
94) Hexachlorobutadiene	13.761	225	513	2.91	ug/l	93
96) 1,2,3-Trichlorobenzene	13.999	180	888	0.21	ug/l	98

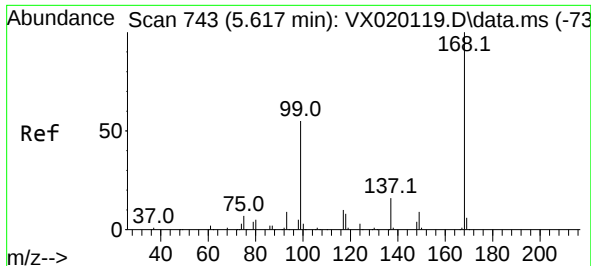
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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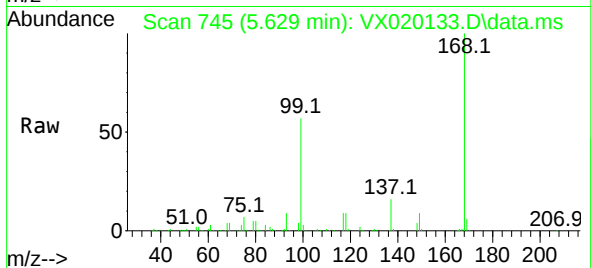
Quant Time: Dec 19 04:49:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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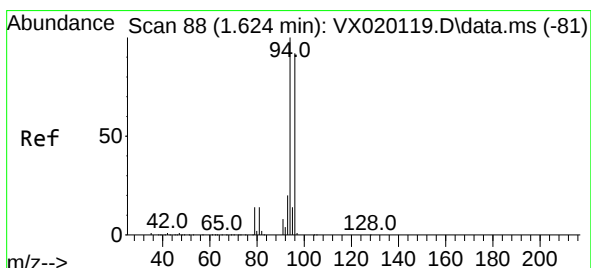
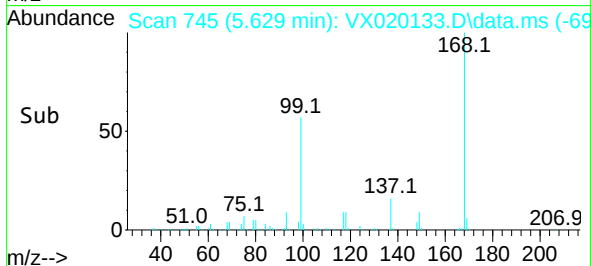
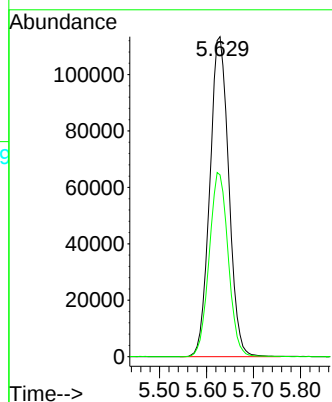


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

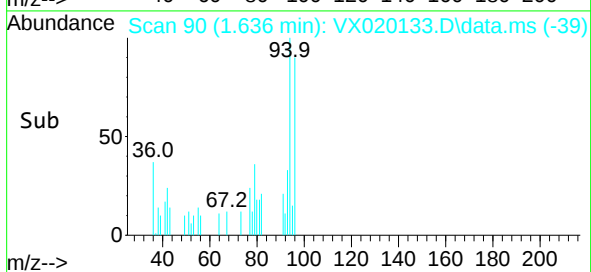
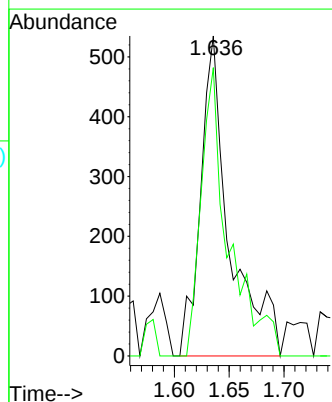
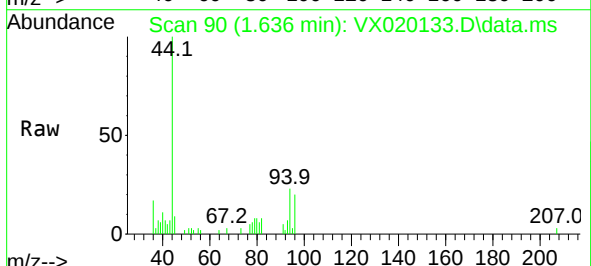


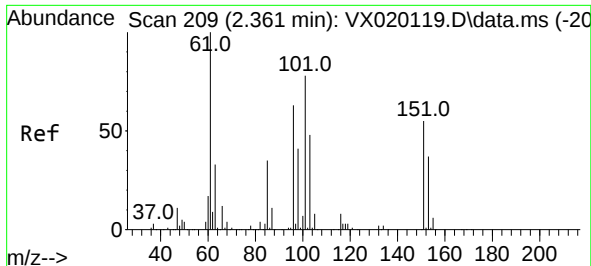
Tgt Ion:168 Resp: 317034
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#5
Bromomethane
Concen: 0.71 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 94 Resp: 983
Ion Ratio Lower Upper
94 100
96 90.1 76.4 114.6

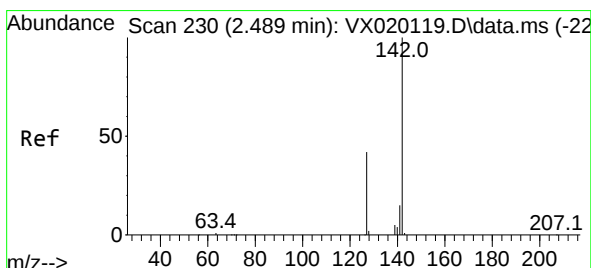
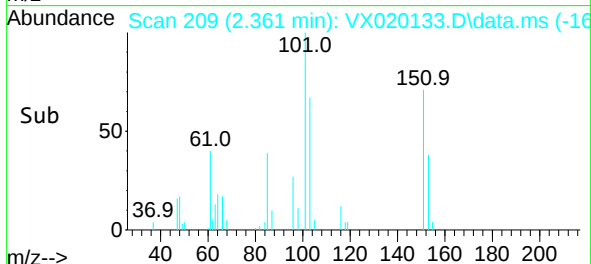
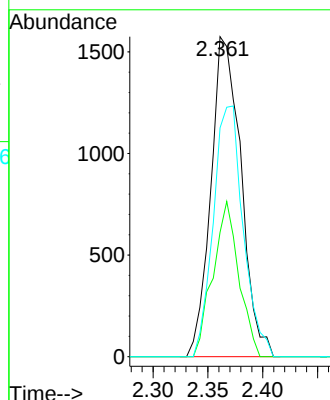
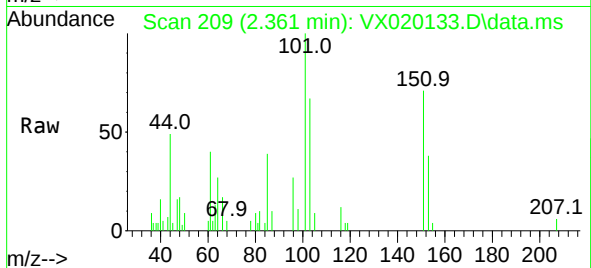




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.95 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

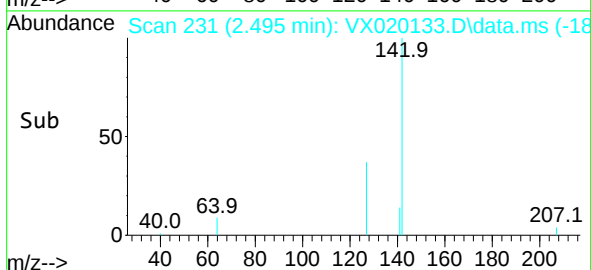
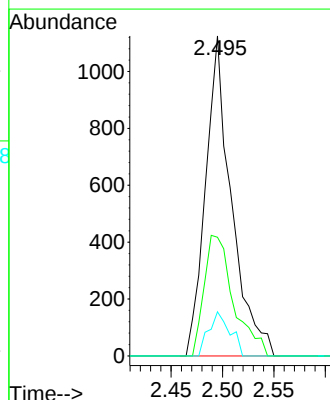
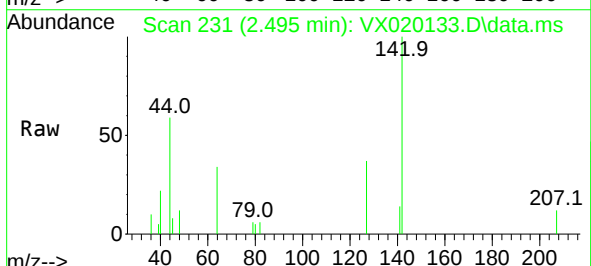
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

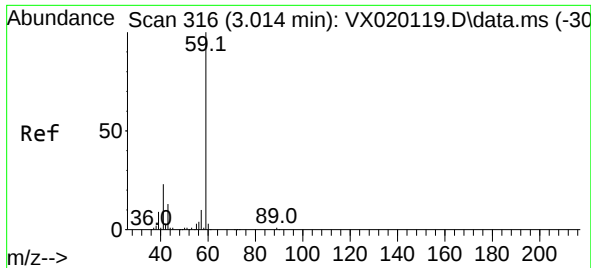
Tgt Ion:	101	Resp:	3007
Ion	Ratio	Lower	Upper
101	100		
85	41.6	34.9	52.3
151	77.8	61.4	92.2



#10
Methyl Iodide
Concen: 3.72 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion:	142	Resp:	1967
Ion	Ratio	Lower	Upper
142	100		
127	42.9	33.3	49.9
141	11.3	11.4	17.0

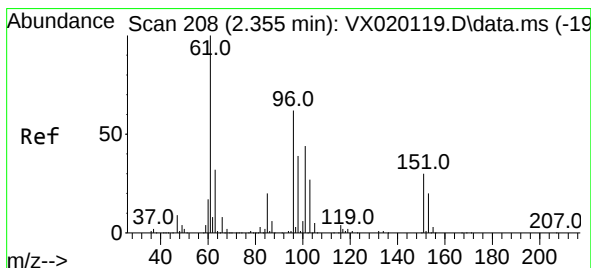
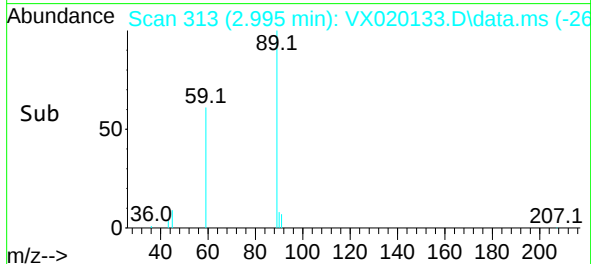
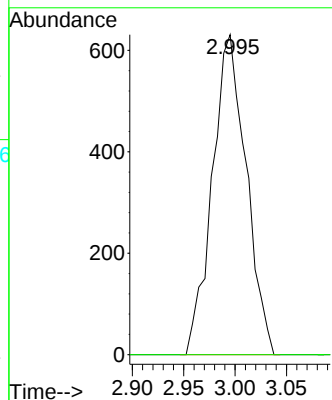
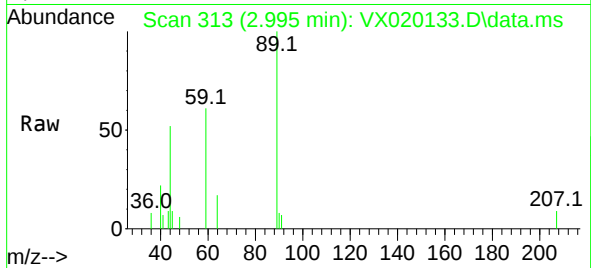




#11
Tert butyl alcohol
Concen: 1.52 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

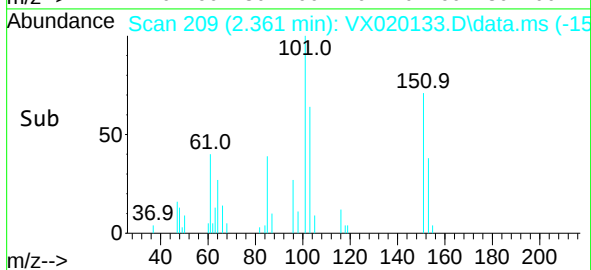
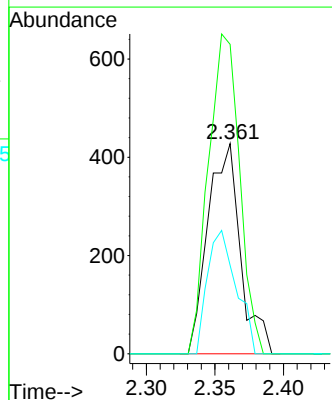
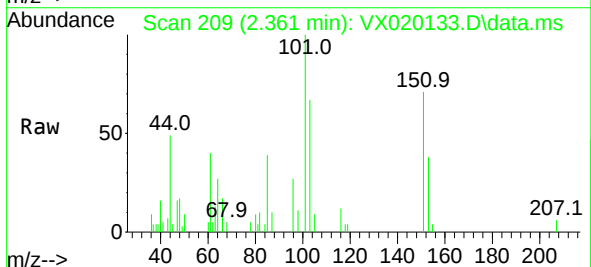
Instrument :
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RE104D1-20201209

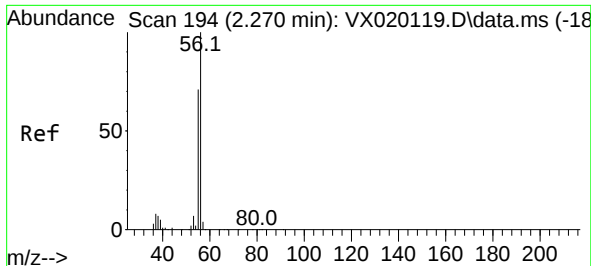
Tgt Ion: 59 Resp: 1448
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.22 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 96 Resp: 705
Ion Ratio Lower Upper
96 100
61 147.2 124.6 187.0
98 42.1 50.6 76.0#

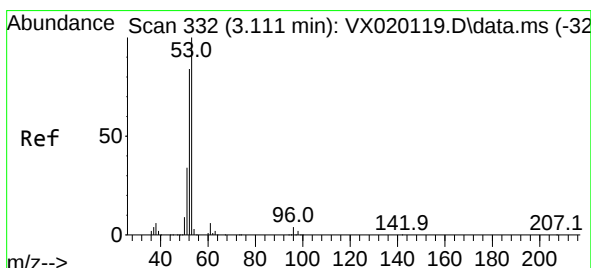
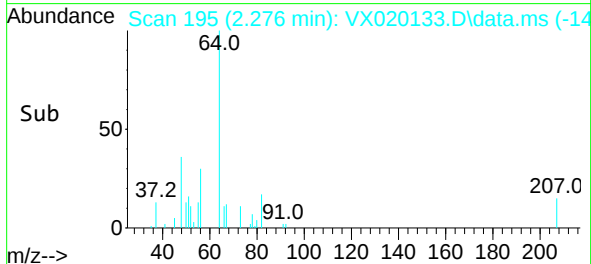
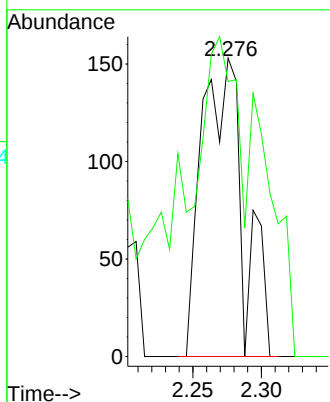
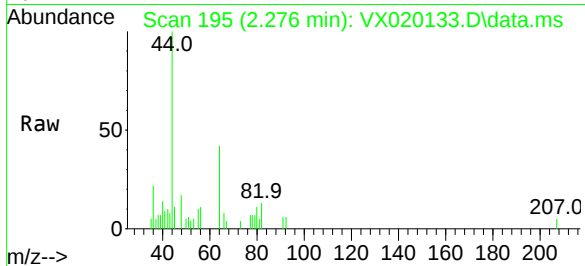




#13
Acrolein
Concen: 0.55 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

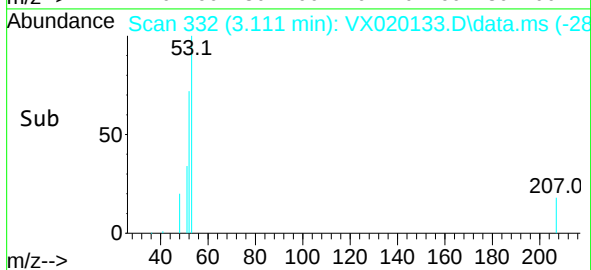
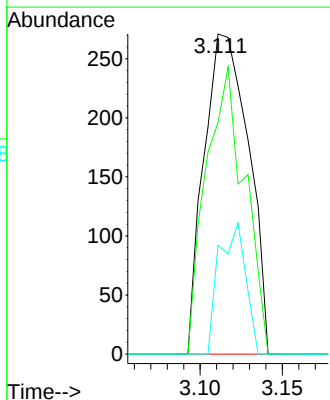
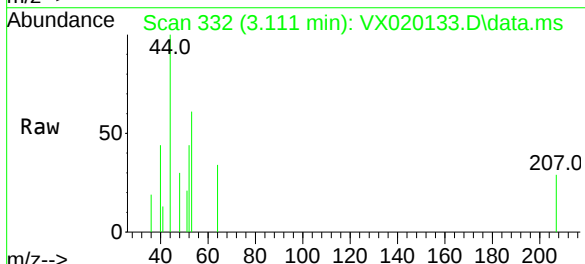
Instrument :
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ClientSampleId :
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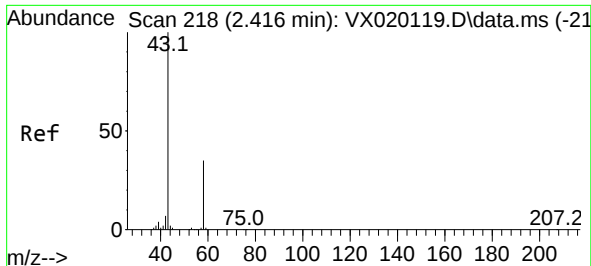
Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 66.3 56.4 84.6



#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 53 Resp: 510
Ion Ratio Lower Upper
53 100
52 77.8 65.3 97.9
51 24.5 28.2 42.2#

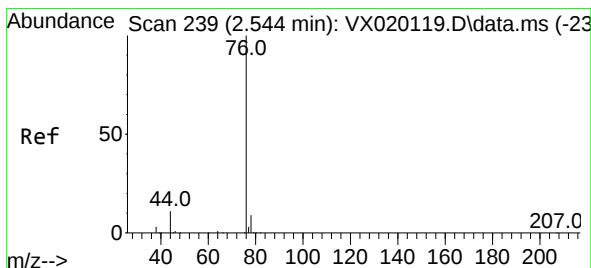
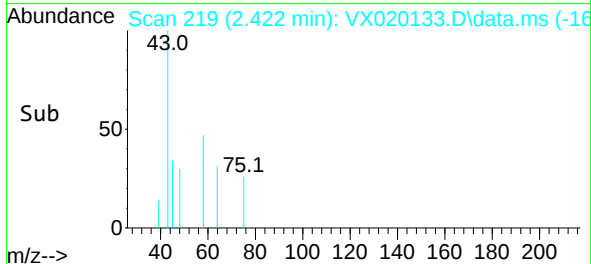
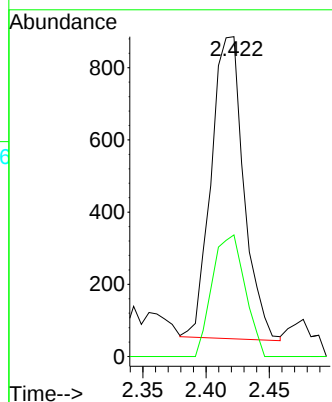
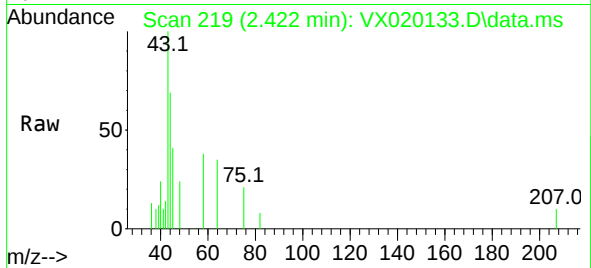




#16
Acetone
Concen: 0.77 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

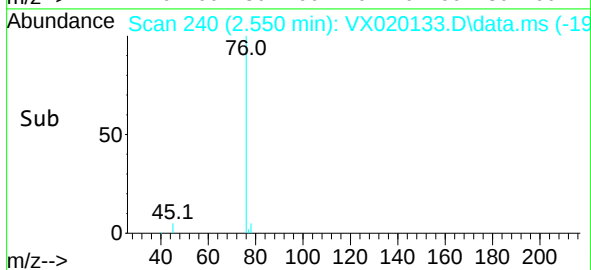
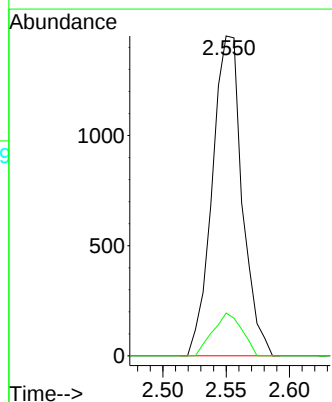
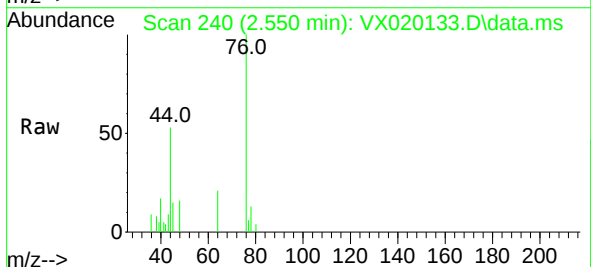
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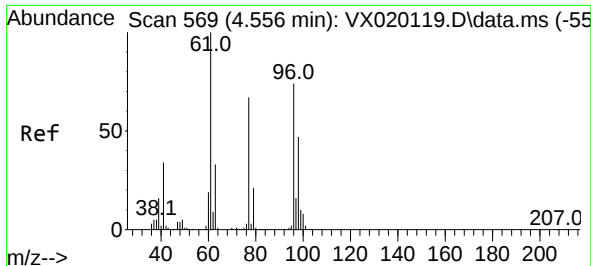
Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 40.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 76 Resp: 2392
Ion Ratio Lower Upper
76 100
78 13.4 7.2 10.8#





#27

cis-1,2-Dichloroethene

Concen: 0.34 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020133.D

Acq: 18 Dec 2020 17:55

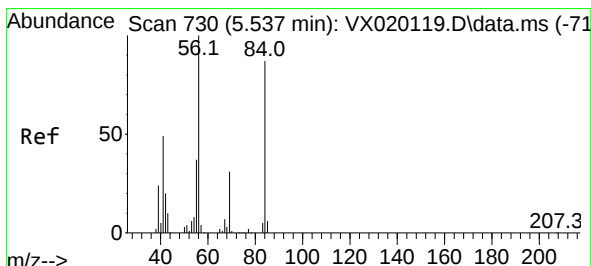
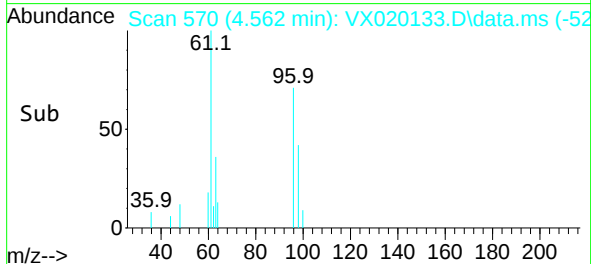
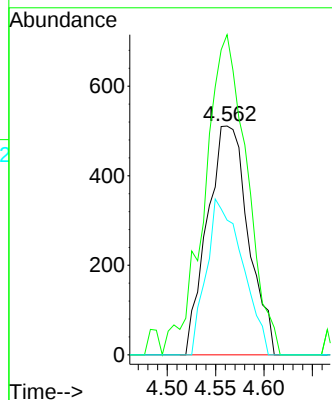
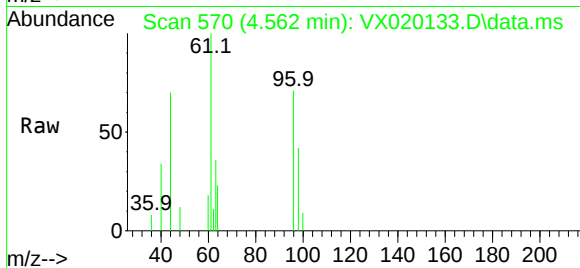
Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20201209

Tgt Ion:	96	Resp:	1508
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	285.6
98	59.6	0.0	129.6



#31

Cyclohexane

Concen: 1.08 ug/l

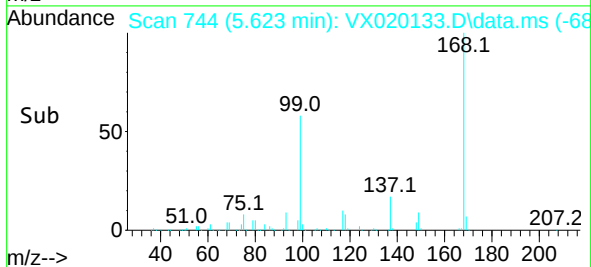
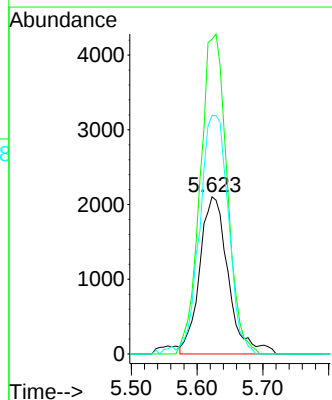
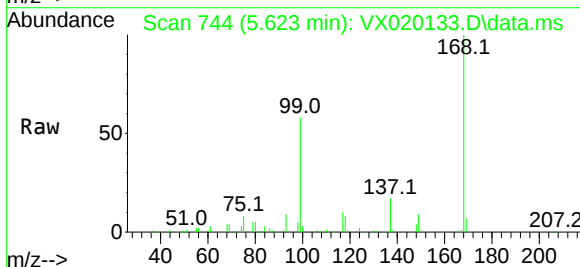
RT: 5.623 min Scan# 744

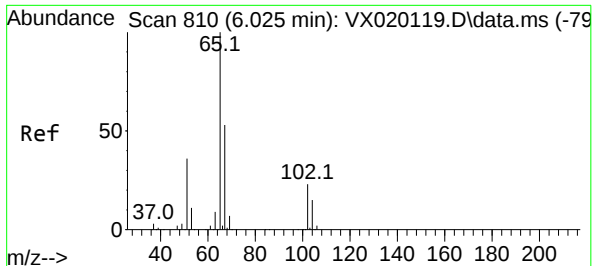
Delta R.T. 0.086 min

Lab File: VX020133.D

Acq: 18 Dec 2020 17:55

Tgt Ion:	56	Resp:	6340
Ion	Ratio	Lower	Upper
56	100		
69	200.2	25.3	37.9#
84	151.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 46.16 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020133.D

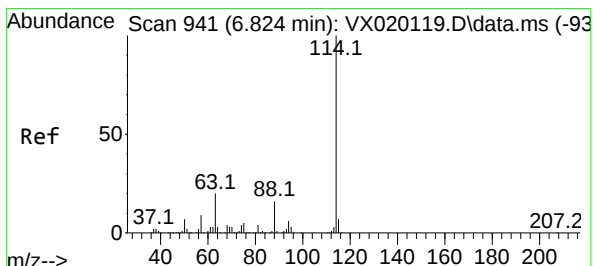
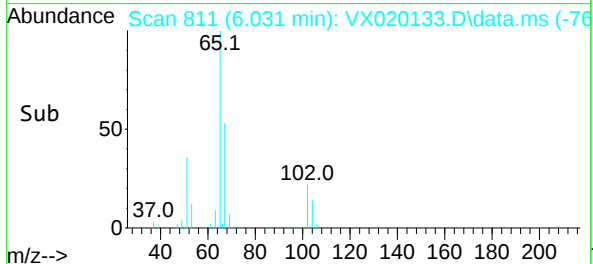
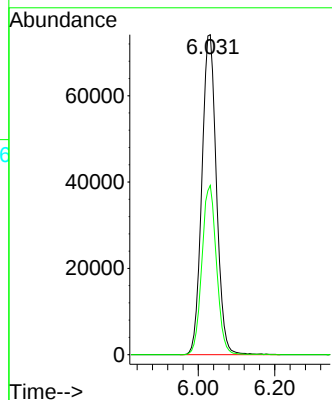
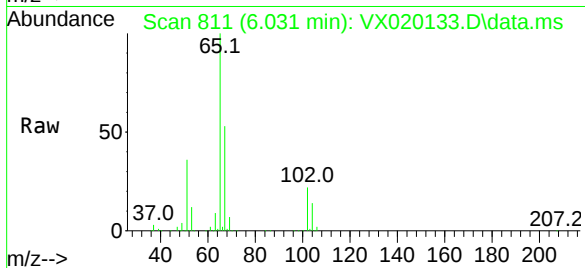
Acq: 18 Dec 2020 17:55

Tgt Ion: 65 Resp: 196180

Ion Ratio Lower Upper

65 100

67 53.0 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: VX020133.D

Acq: 18 Dec 2020 17:55

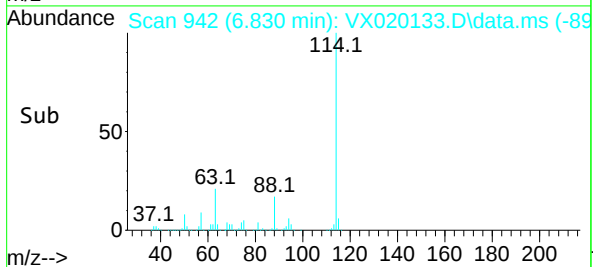
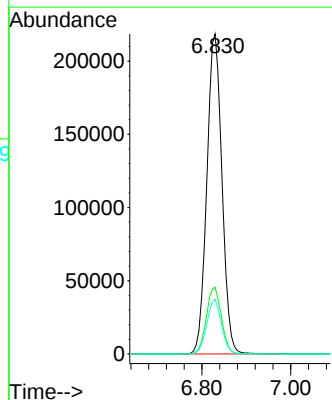
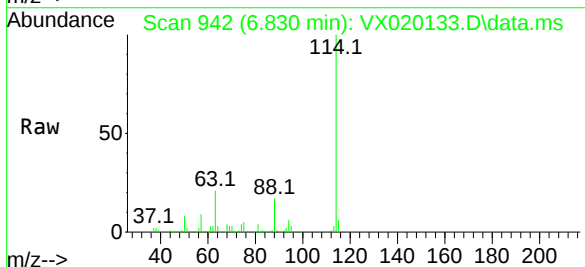
Tgt Ion: 114 Resp: 517966

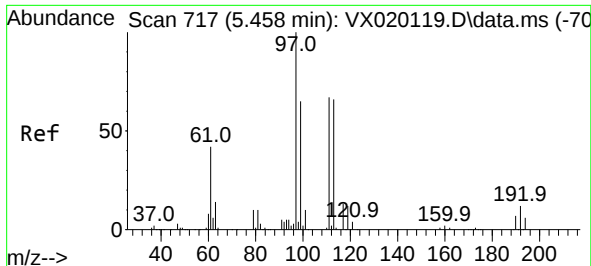
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

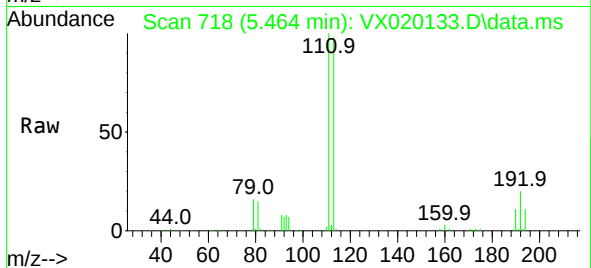
88 17.2 0.0 32.8



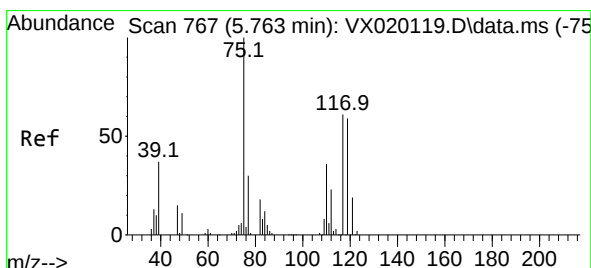
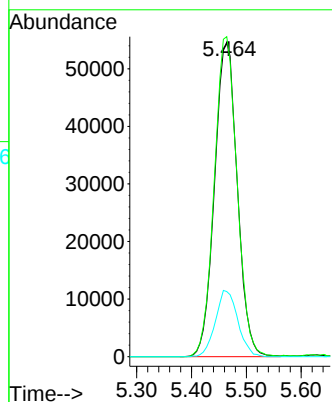
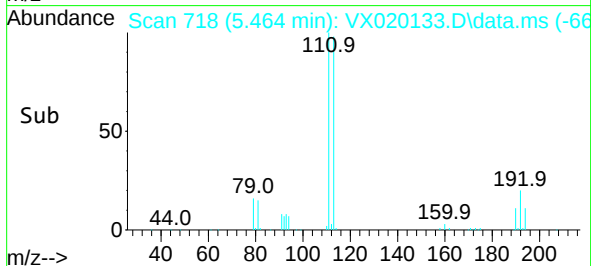


#35
Dibromofluoromethane
Concen: 47.47 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

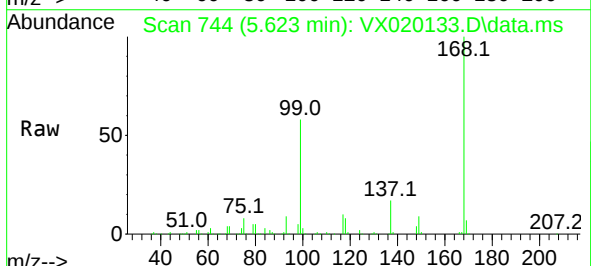
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209



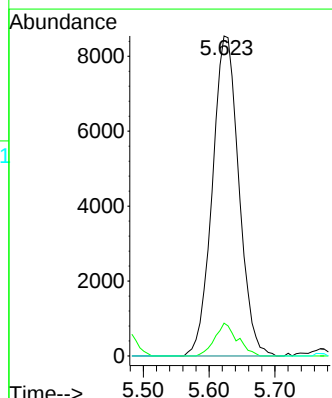
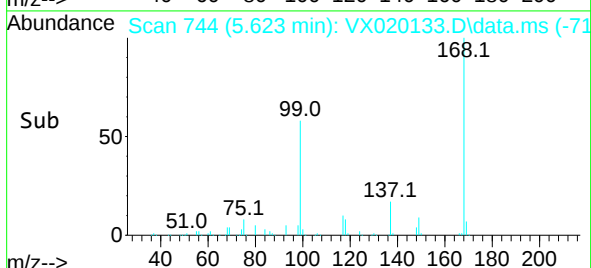
Tgt Ion:113 Resp: 157295
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 20.8 16.7 25.1

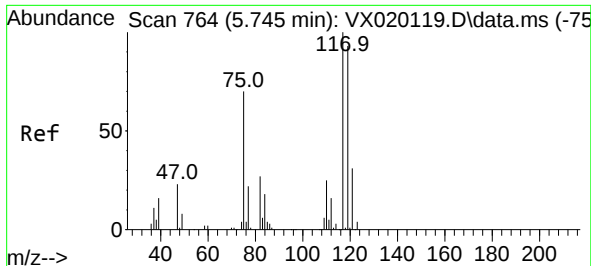


#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55



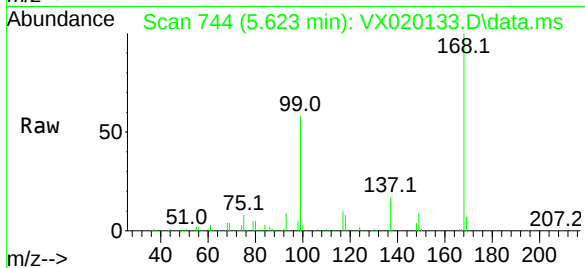
Tgt Ion: 75 Resp: 23956
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



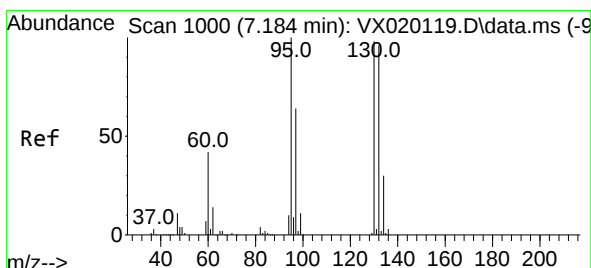
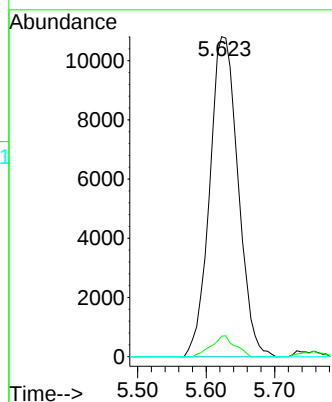
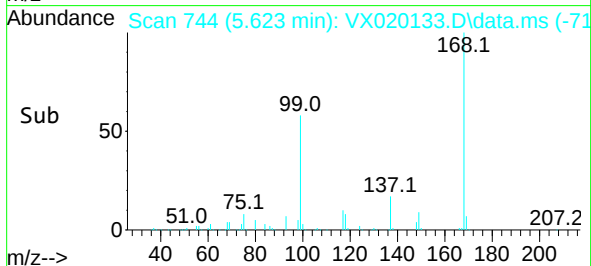


#38
Carbon Tetrachloride
Concen: 6.39 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

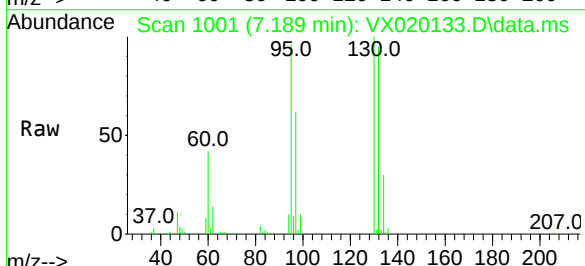
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209



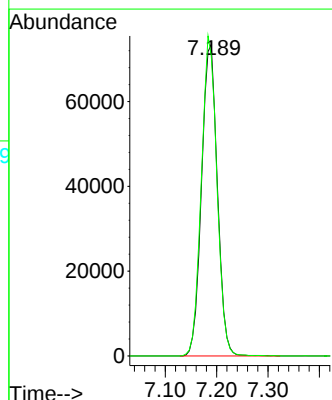
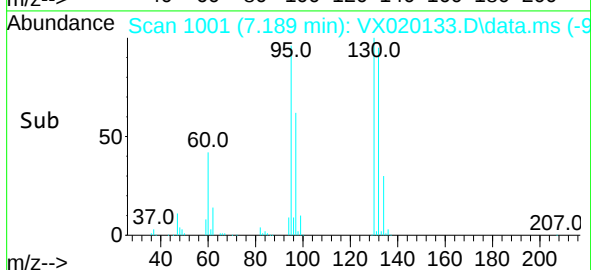
Tgt Ion:117 Resp: 31108
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

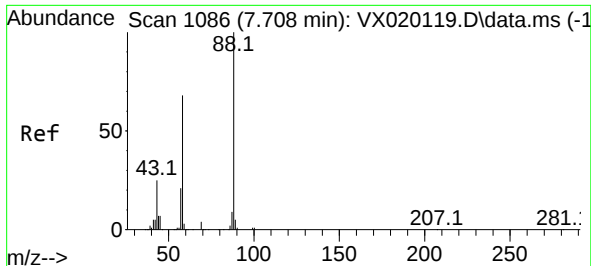


#44
Trichloroethene
Concen: 38.06 ug/l
RT: 7.189 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55



Tgt Ion:130 Resp: 156764
Ion Ratio Lower Upper
130 100
95 96.4 0.0 198.0

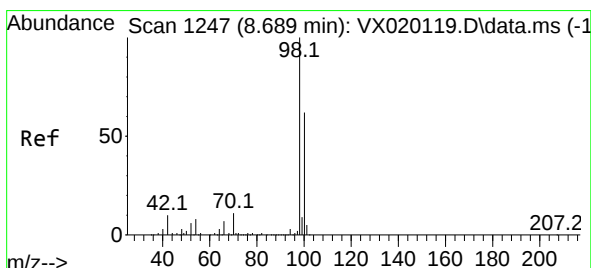
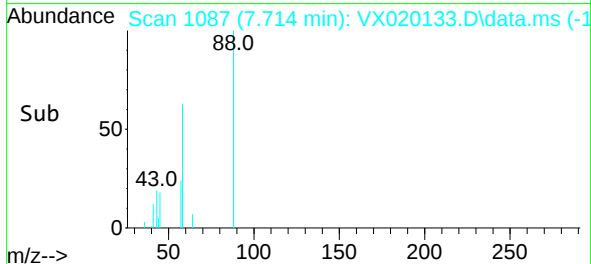
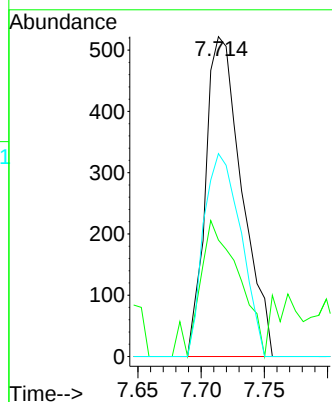
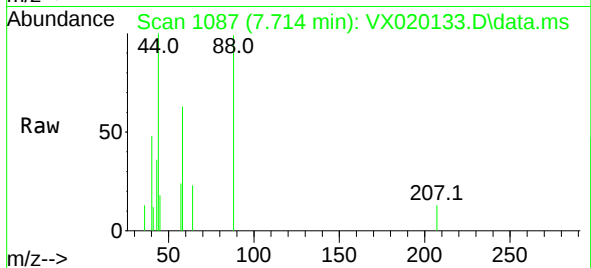




#49
1,4-Dioxane
Concen: 10.78 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

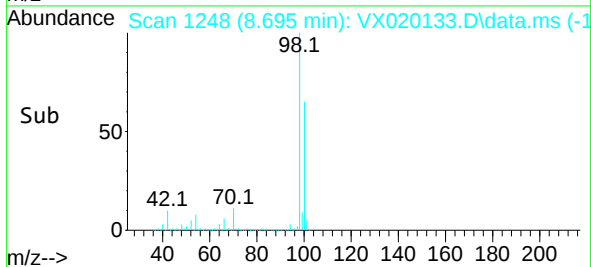
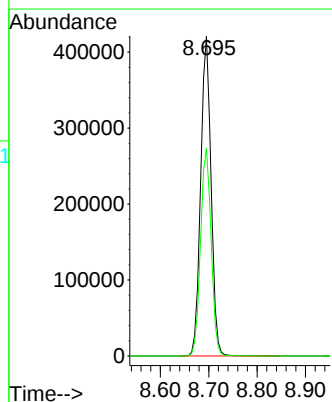
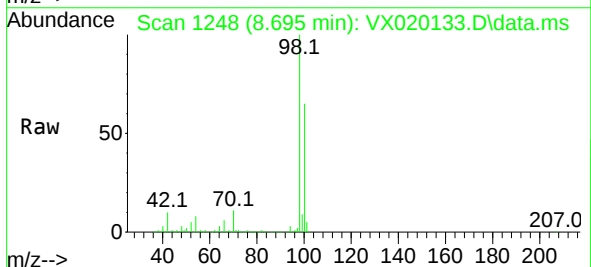
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

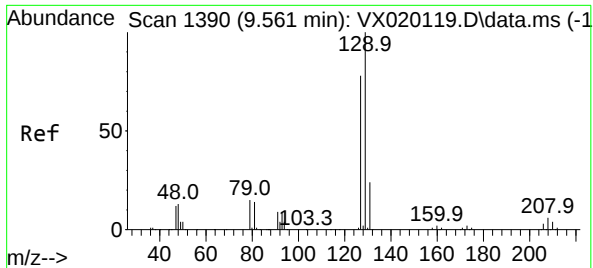
Tgt Ion: 88 Resp: 1039
Ion Ratio Lower Upper
88 100
43 45.8 23.2 34.8#
58 65.2 55.0 82.4



#50
Toluene-d8
Concen: 49.12 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 98 Resp: 626451
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

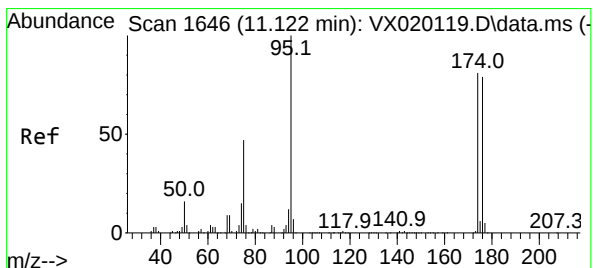
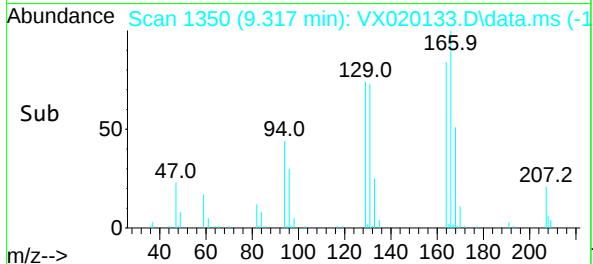
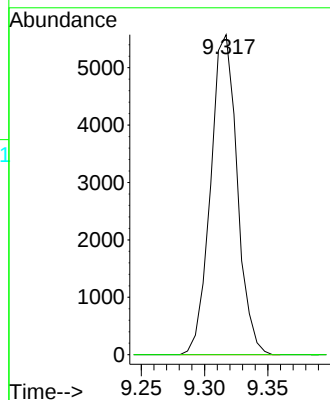
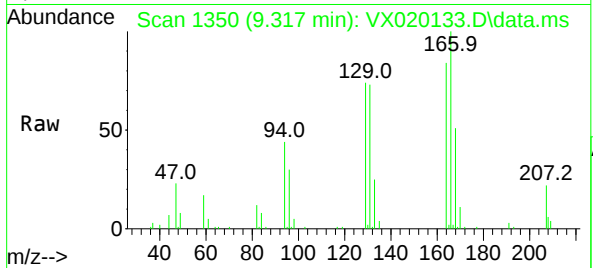




#60
Dibromochloromethane
Concen: 2.05 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

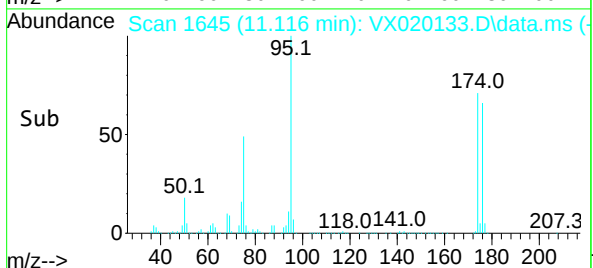
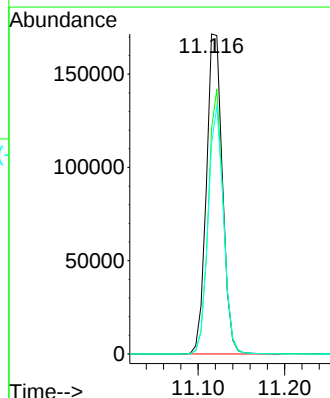
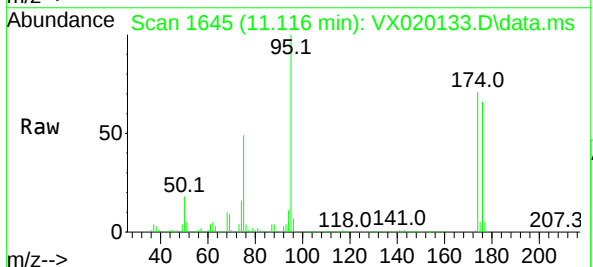
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

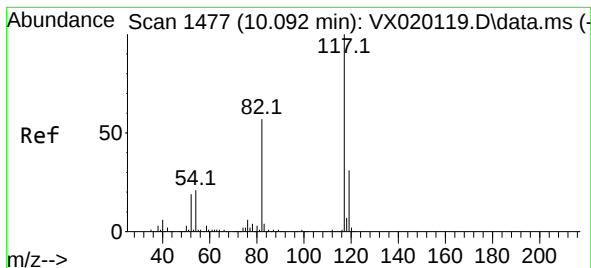
Tgt Ion:129 Resp: 8155
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.20 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.006 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 95 Resp: 220630
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 74.1 0.0 155.8

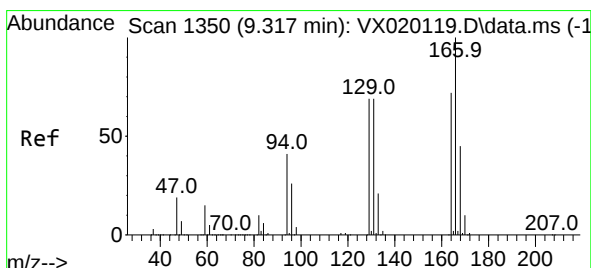
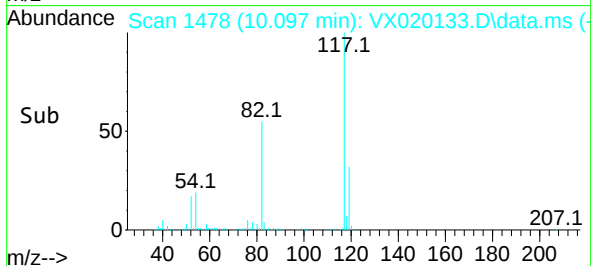
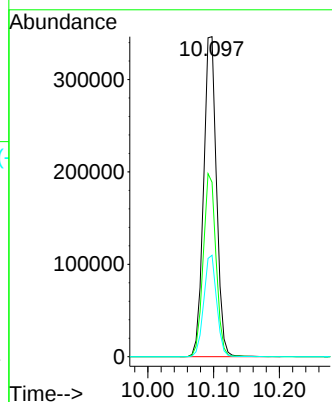
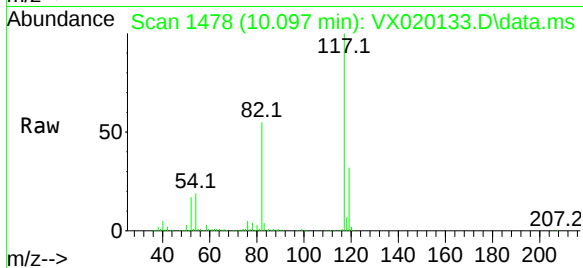




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

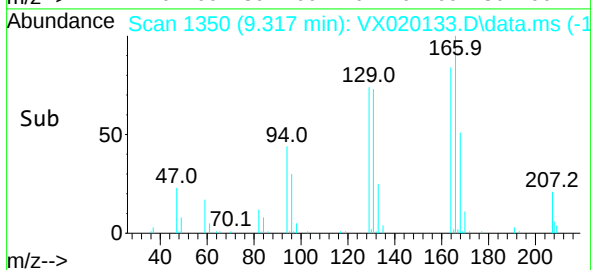
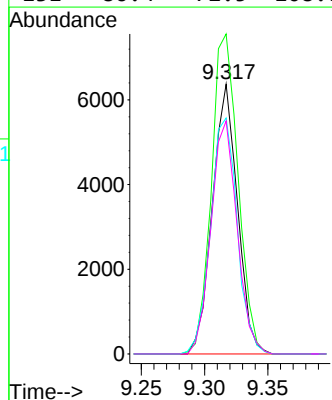
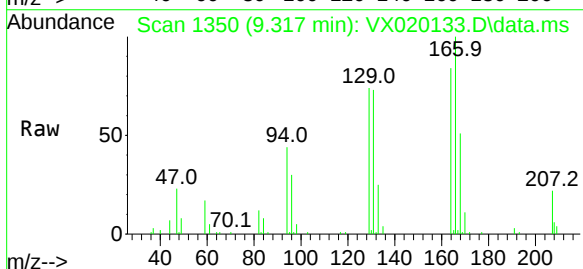
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

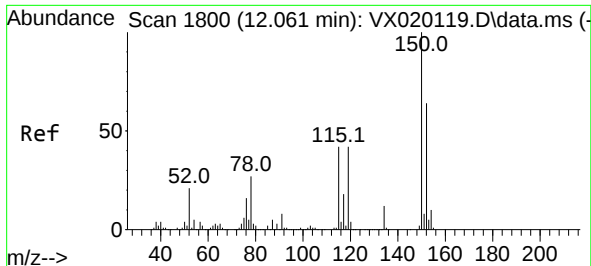
Tgt Ion:117 Resp: 473536
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 31.7 26.6 39.8



#64
Tetrachloroethene
Concen: 2.47 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion:164 Resp: 8808
Ion Ratio Lower Upper
164 100
166 118.6 103.4 155.2
129 87.5 70.8 106.2
131 86.4 72.5 108.7

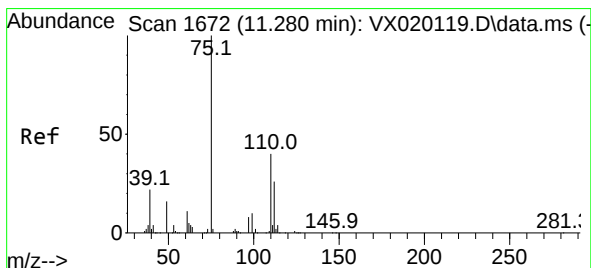
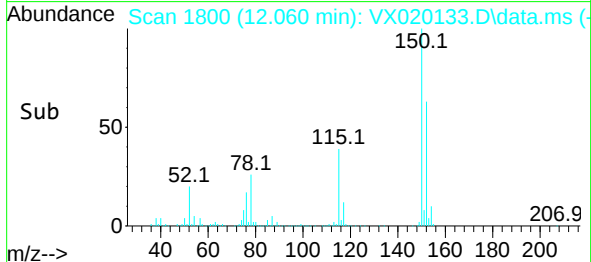
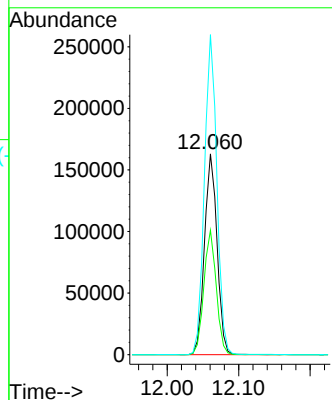
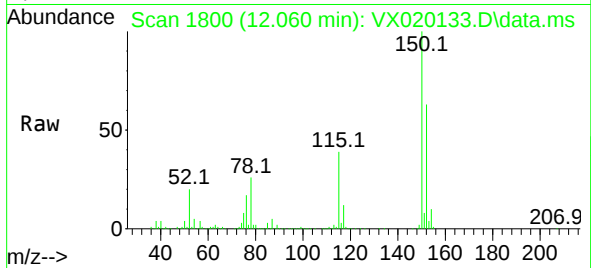




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.060 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

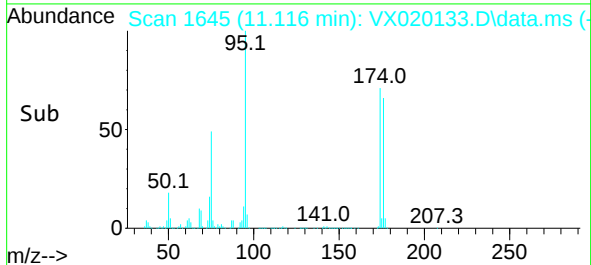
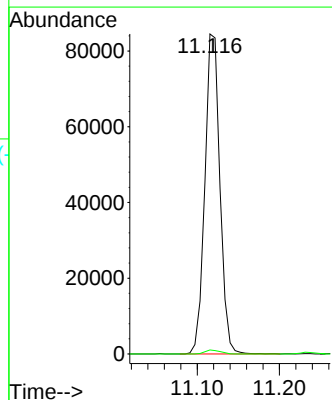
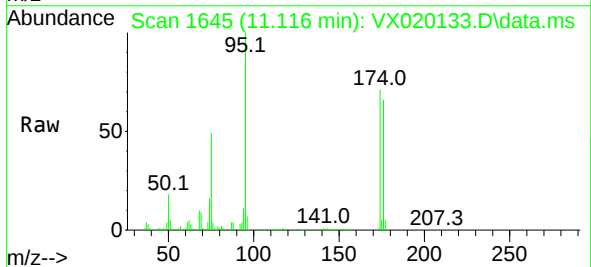
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

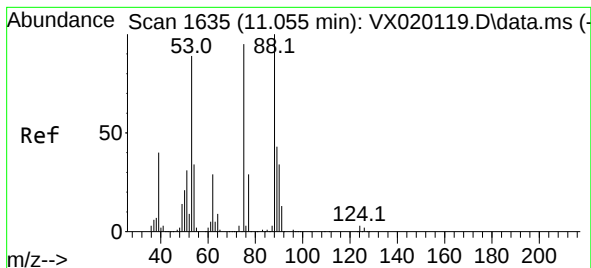
Tgt Ion:152 Resp: 199634
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 157.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.85 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 75 Resp: 107442
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

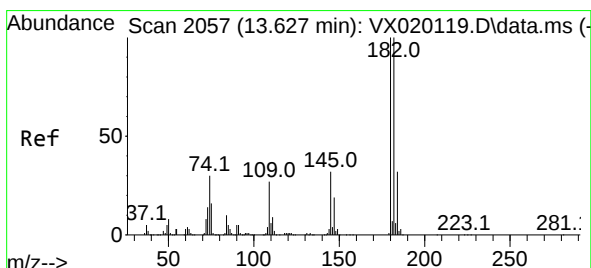
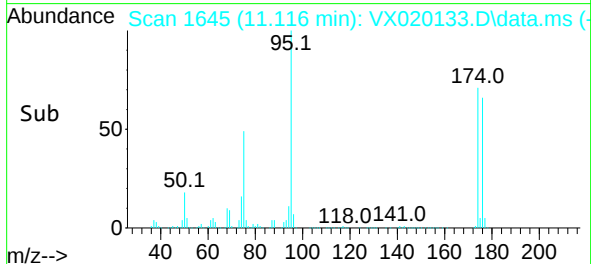
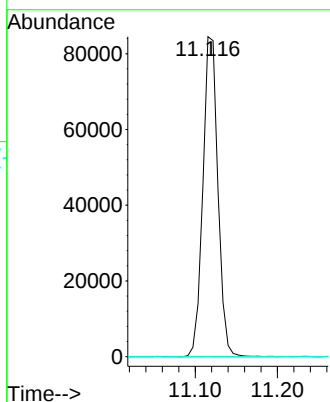
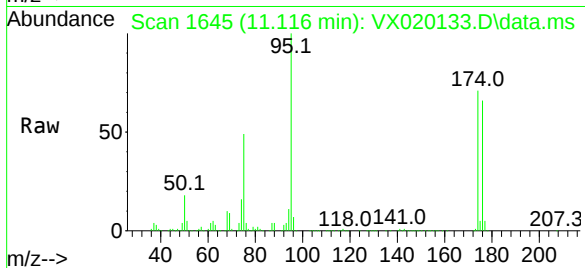




#81
trans-1,4-Dichloro-2-butene
Concen: 64.82 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

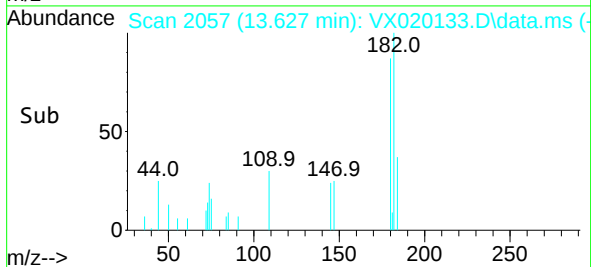
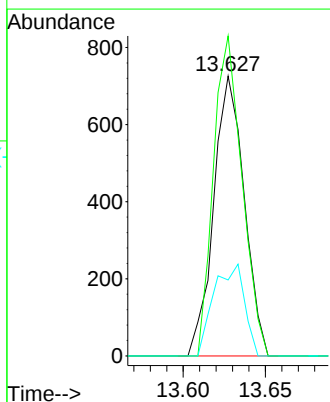
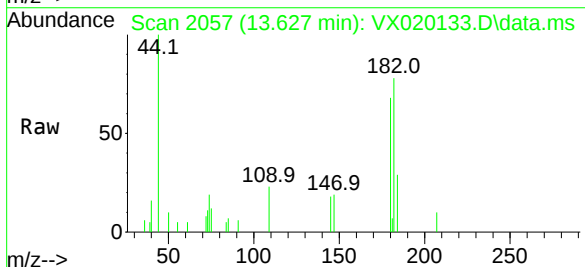
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

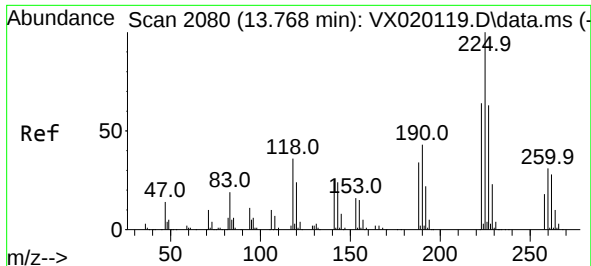
Tgt Ion: 75 Resp: 107442
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion: 180 Resp: 939
Ion Ratio Lower Upper
180 100
182 106.6 47.7 143.1
145 32.8 15.0 45.0

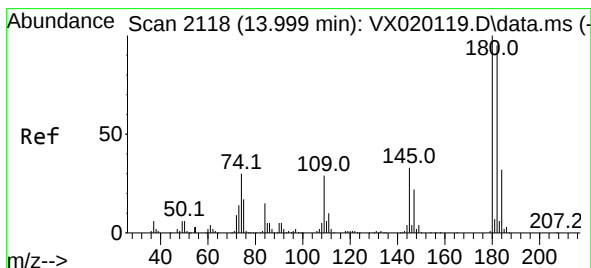
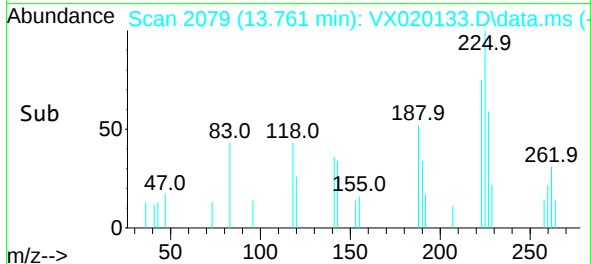
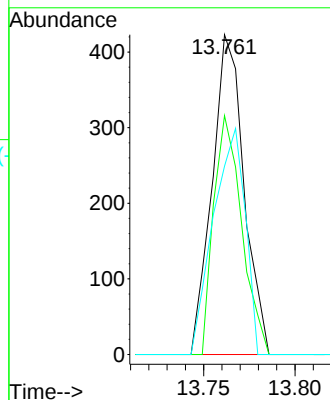
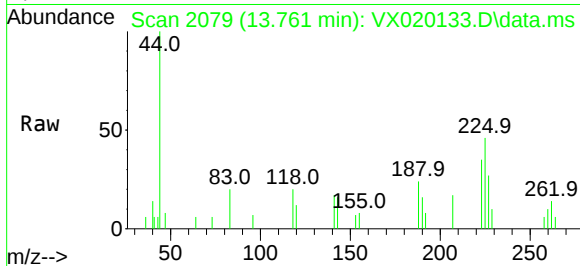




#94
Hexachlorobutadiene
Concen: 2.91 ug/l
RT: 13.761 min Scan# 2079
Delta R.T. -0.007 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20201209

Tgt Ion:	225	Resp:	513
Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.1	93.2
227	70.6	31.6	95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.21 ug/l
RT: 13.999 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VX020133.D
Acq: 18 Dec 2020 17:55

Tgt Ion:	180	Resp:	888
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	29.2	16.1	48.3

