

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020137.D
 Acq On : 18 Dec 2020 19:28
 Operator : JC/MD
 Sample : L5053-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20201209

Quant Time: Dec 19 04:50:23 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)

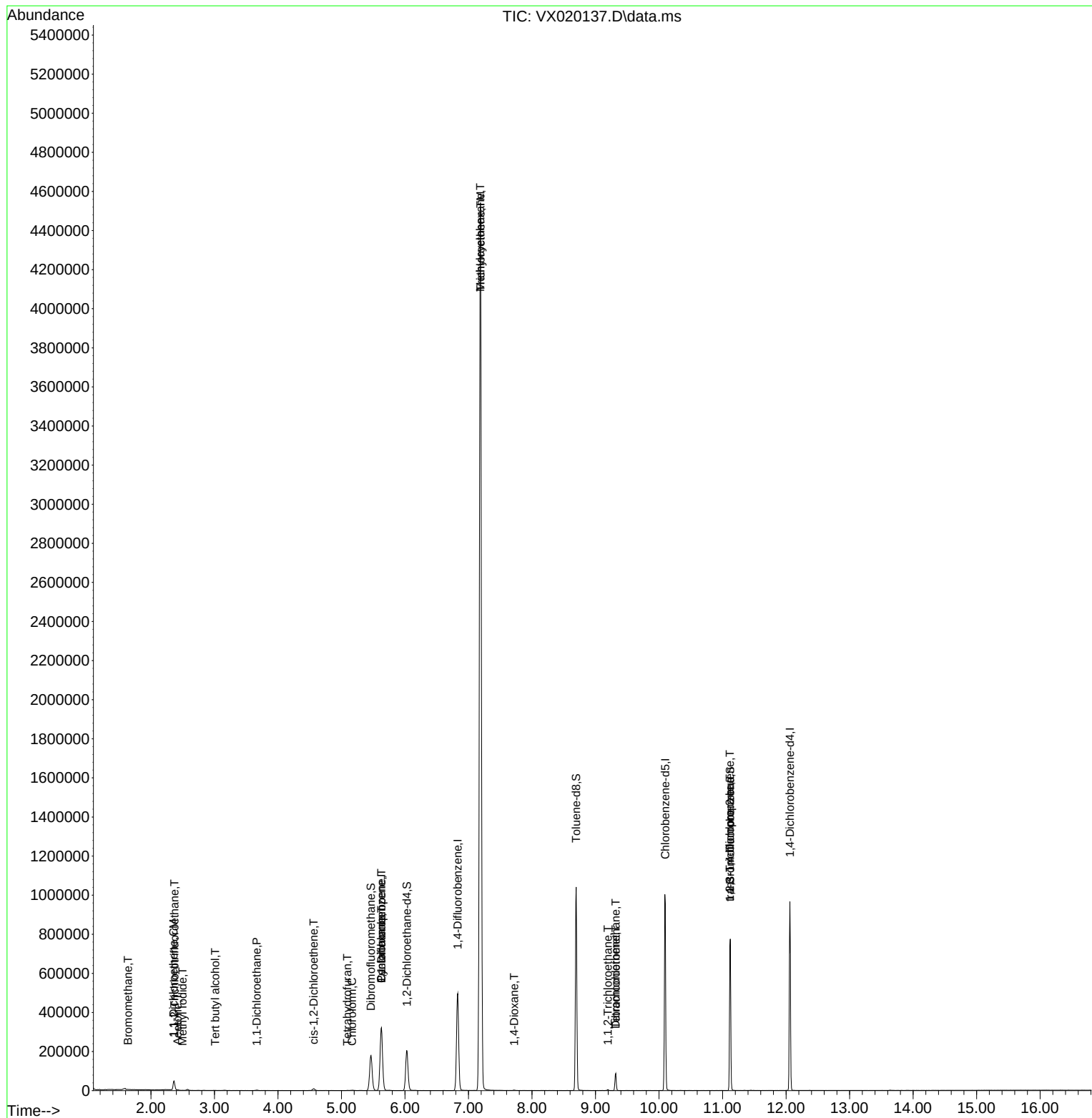
Internal Standards						
1) Pentafluorobenzene	5.629	168	309201	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	510691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	464513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	199116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	195879	47.26	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.52%		
35) Dibromofluoromethane	5.464	113	156824	48.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.00%		
50) Toluene-d8	8.696	98	619403	49.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.52%		
62) 4-Bromofluorobenzene	11.122	95	217162	45.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.24%		
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	683	0.50	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.367	101	12202	3.95	ug/l	99
10) Methyl Iodide	2.495	142	426	3.38	ug/l #	79
11) Tert butyl alcohol	3.014	59	421	0.45	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	7113	2.25	ug/l	97
16) Acetone	2.416	43	940	0.50	ug/l	96
24) 1,1-Dichloroethane	3.666	63	2744	0.41	ug/l #	89
27) cis-1,2-Dichloroethene	4.562	96	5736	1.33	ug/l	96
29) Tetrahydrofuran	5.093	42	720	0.42	ug/l #	86
30) Chloroform	5.166	83	2261	0.33	ug/l #	81
31) Cyclohexane	5.629	56	6063	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23455	4.65	ug/l #	48
39) Methylcyclohexane	7.184	83	21234	3.64	ug/l #	1
44) Trichloroethene	7.190	130	1784046	439.28	ug/l	99
49) 1,4-Dioxane	7.720	88	1765	18.58	ug/l #	91
55) 1,1,2-Trichloroethane	9.196	97	1223	0.31	ug/l	95
60) Dibromochloromethane	9.317	129	15994	4.08	ug/l #	11
64) Tetrachloroethene	9.317	164	17182	4.91	ug/l	97
76) 1,2,3-Trichloropropane	11.116	75	107113	21.84	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	107113	64.79	ug/l #	12

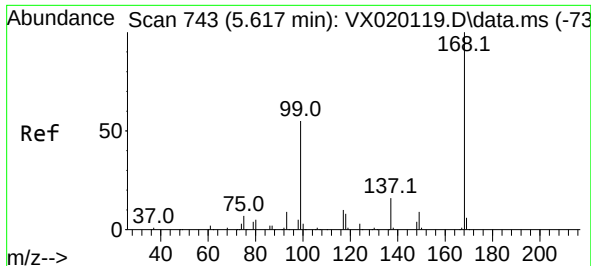
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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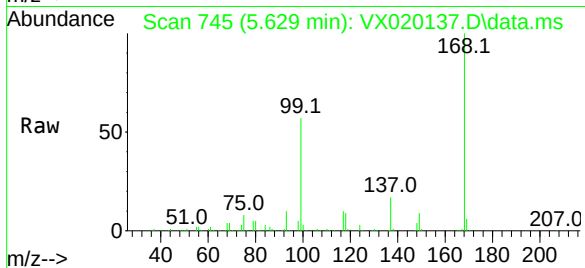
Quant Time: Dec 19 04:50:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



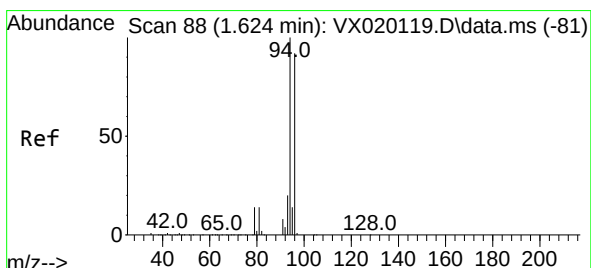
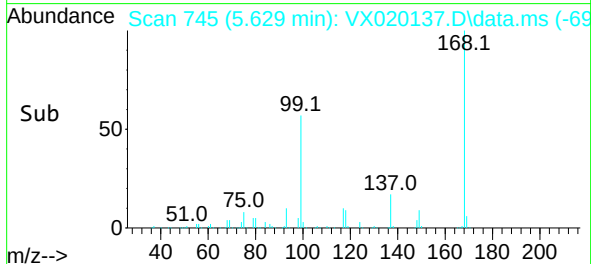
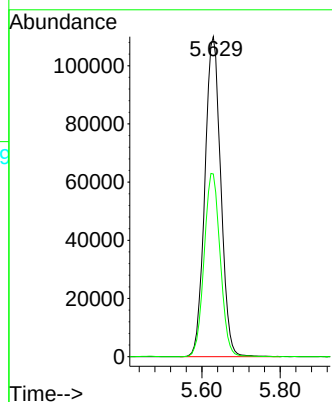


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

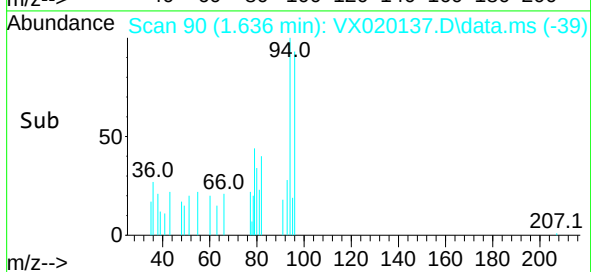
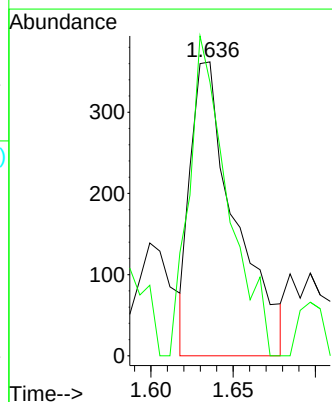
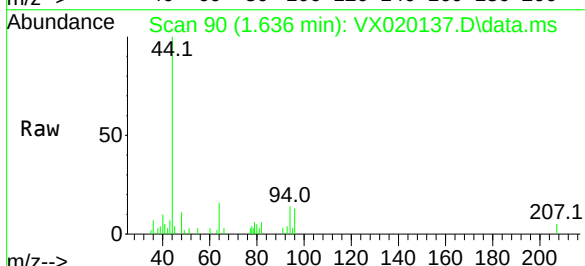


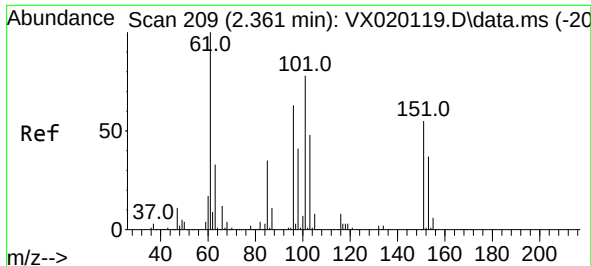
Tgt Ion:168 Resp: 309201
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.6



#5
Bromomethane
Concen: 0.50 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 113.1 76.4 114.6

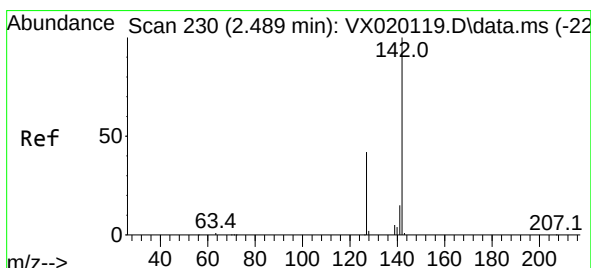
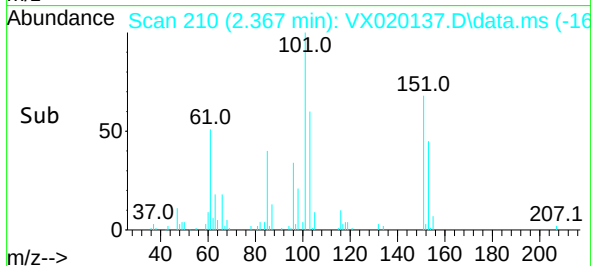
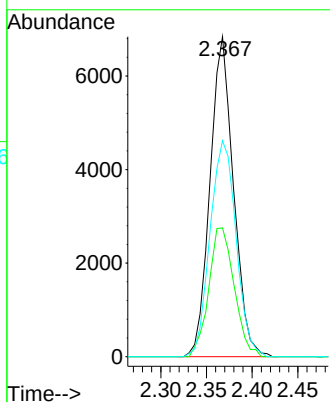
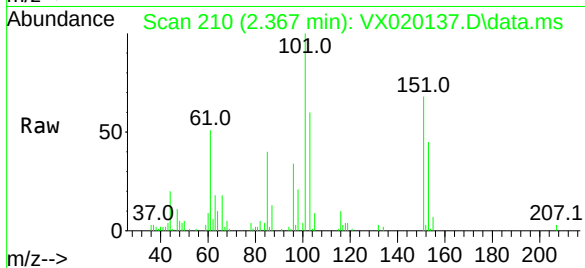




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.95 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

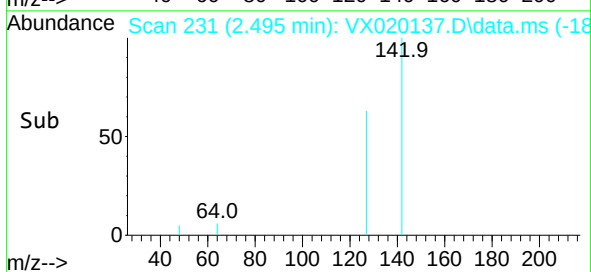
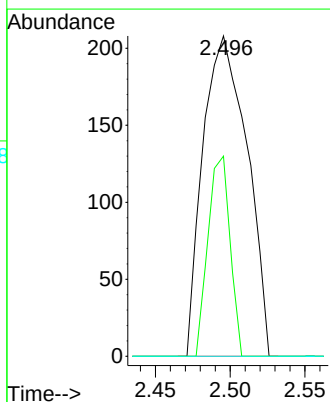
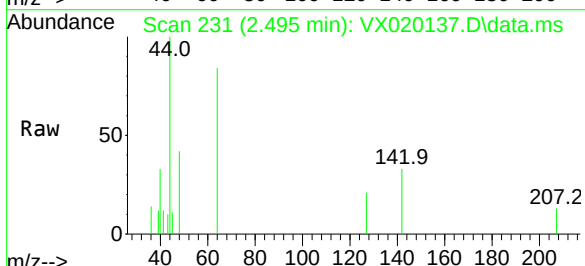
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

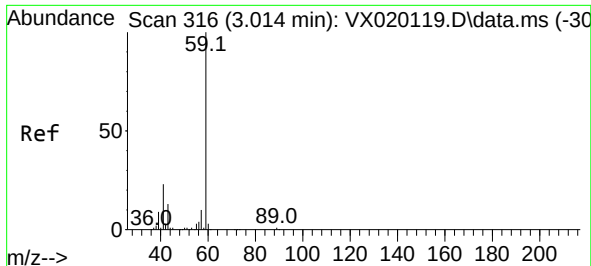
Tgt Ion:	101	Resp:	12202
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.9	52.3
151	74.9	61.4	92.2



#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion:	142	Resp:	426
Ion	Ratio	Lower	Upper
142	100		
127	31.2	33.3	49.9#
141	0.0	11.4	17.0#

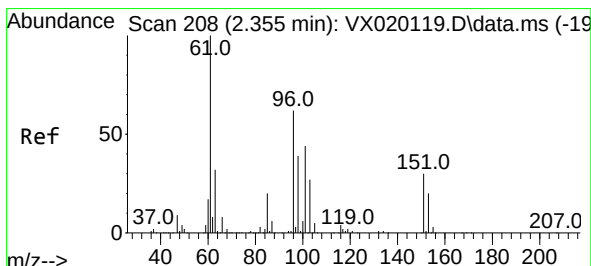
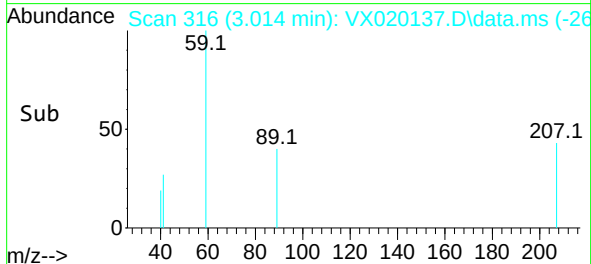
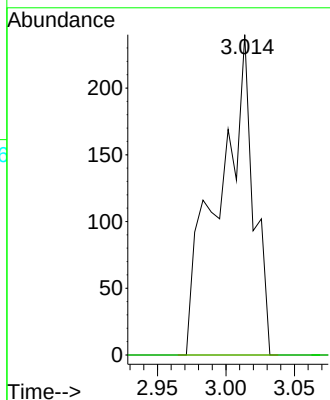
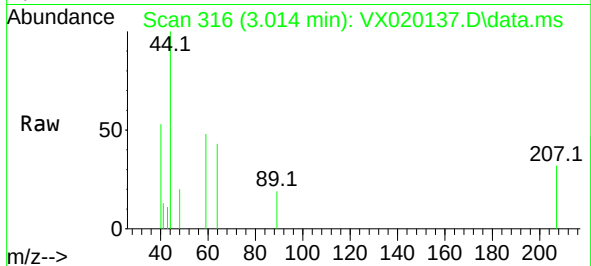




#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

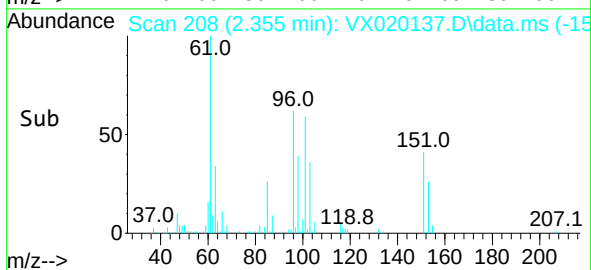
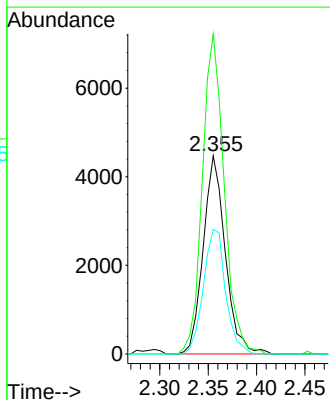
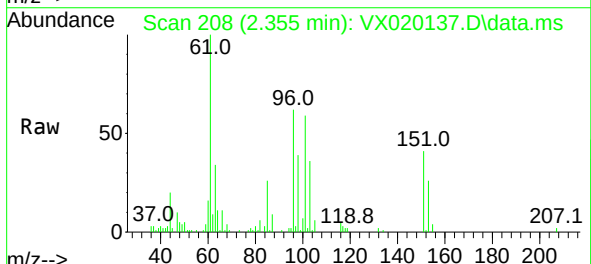
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

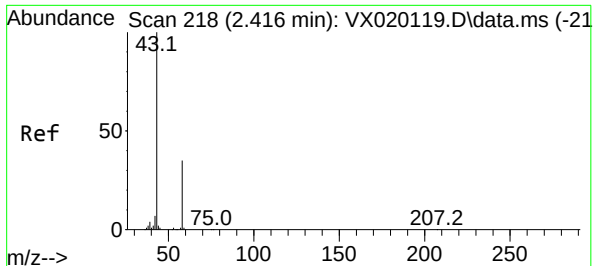
Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.25 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 96 Resp: 7113
Ion Ratio Lower Upper
96 100
61 161.5 124.6 187.0
98 62.9 50.6 76.0

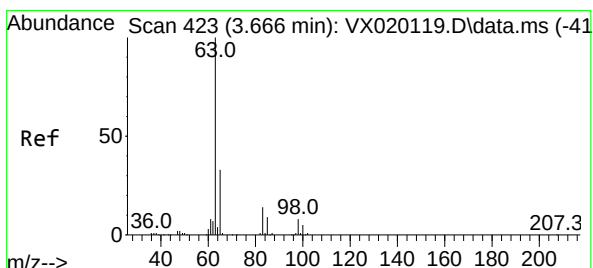
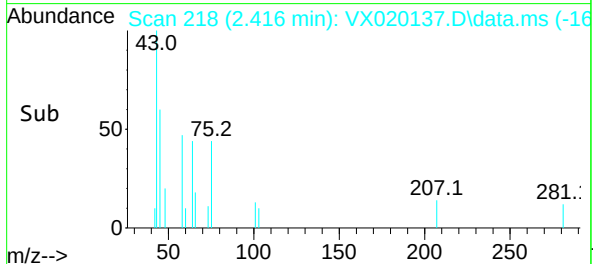
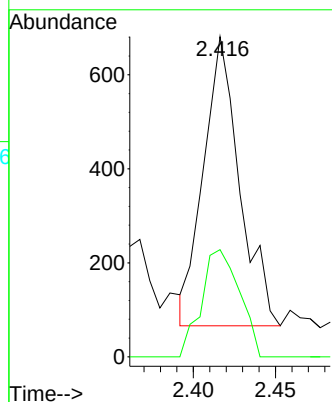
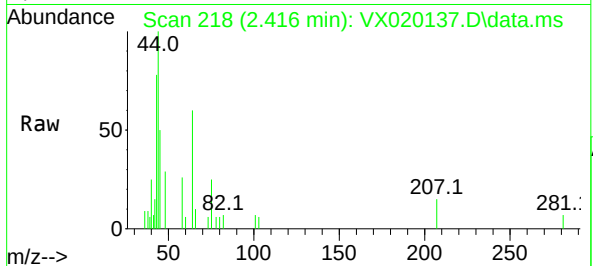




#16
Acetone
Concen: 0.50 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

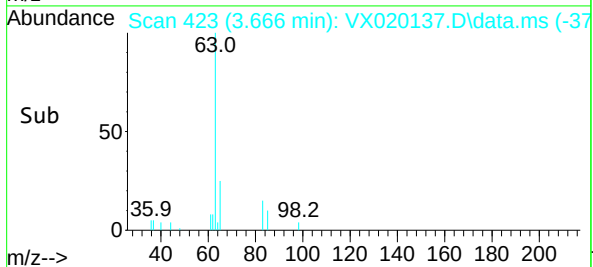
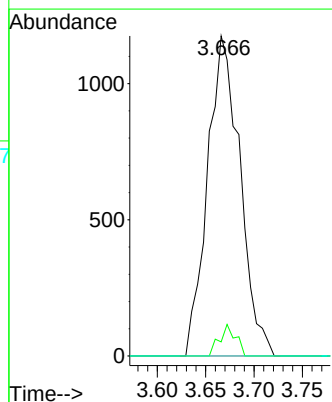
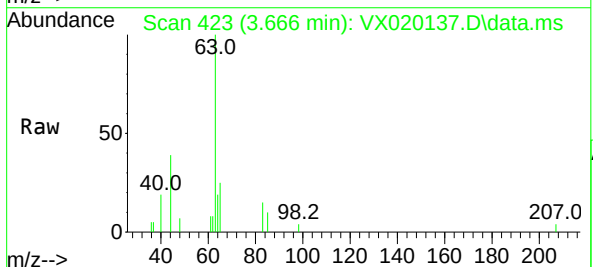
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

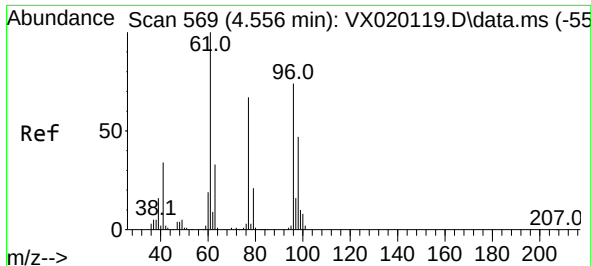
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 37.1 27.8 41.8



#24
1,1-Dichloroethane
Concen: 0.41 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 63 Resp: 2744
Ion Ratio Lower Upper
63 100
98 4.4 3.8 11.2
100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.33 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020137.D

Acq: 18 Dec 2020 19:28

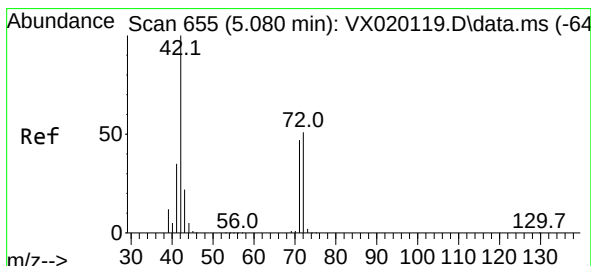
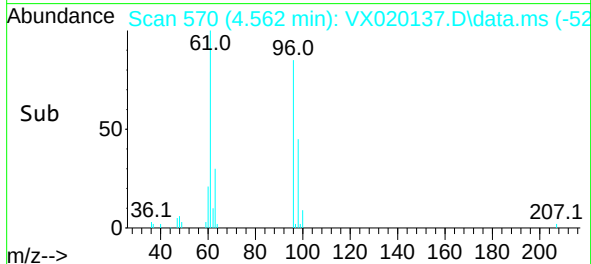
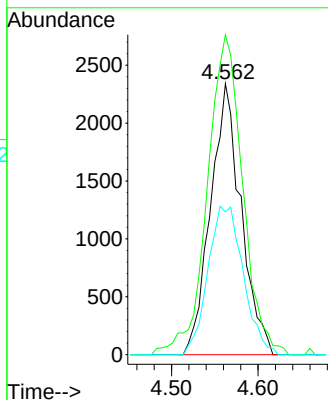
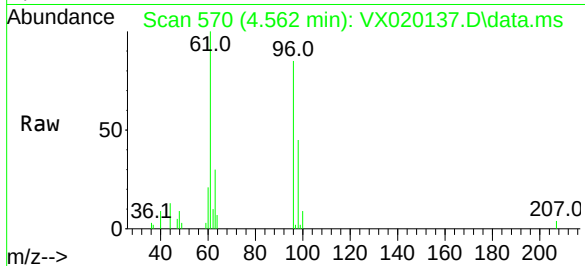
Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20201209

Tgt Ion:	96	Resp:	5736
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	285.6
98	63.2	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.42 ug/l

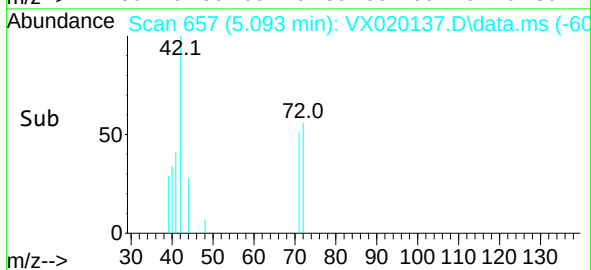
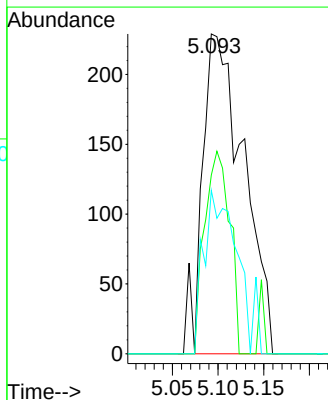
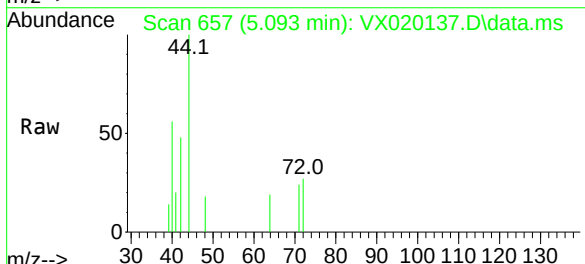
RT: 5.093 min Scan# 657

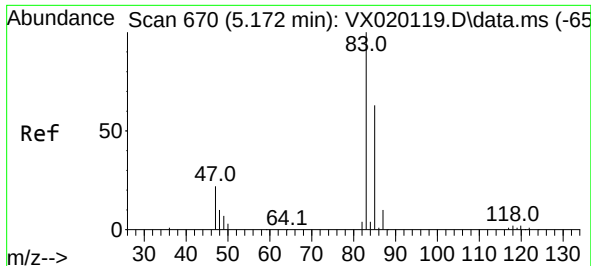
Delta R.T. 0.013 min

Lab File: VX020137.D

Acq: 18 Dec 2020 19:28

Tgt Ion:	42	Resp:	720
Ion	Ratio	Lower	Upper
42	100		
72	38.8	41.7	62.5#
71	41.9	38.4	57.6





#30

Chloroform

Concen: 0.33 ug/l

RT: 5.166 min Scan# 669

Delta R.T. -0.006 min

Lab File: VX020137.D

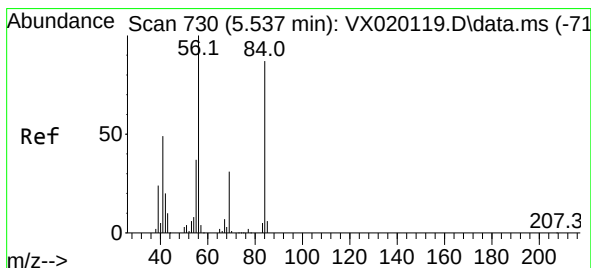
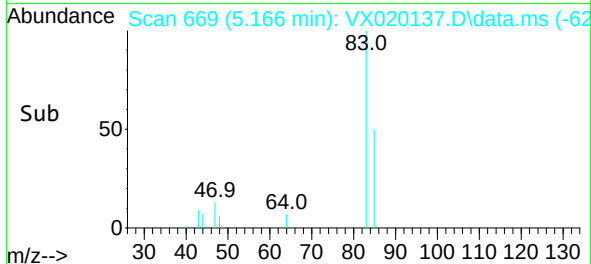
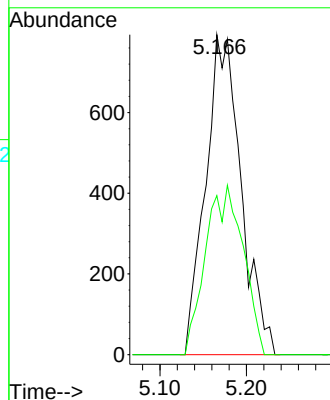
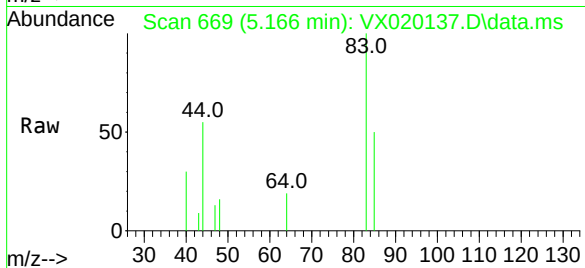
Acq: 18 Dec 2020 19:28

Tgt Ion: 83 Resp: 2261

Ion Ratio Lower Upper

83 100

85 49.7 52.0 78.0#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.092 min

Lab File: VX020137.D

Acq: 18 Dec 2020 19:28

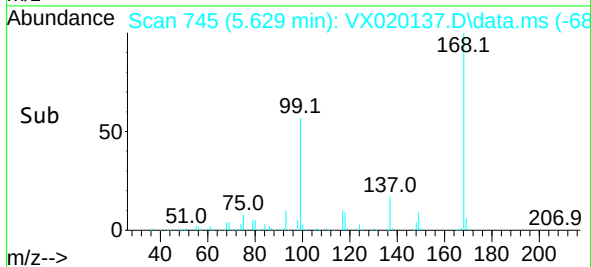
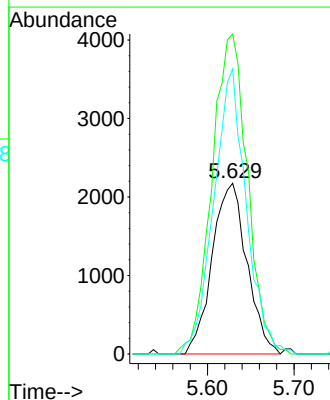
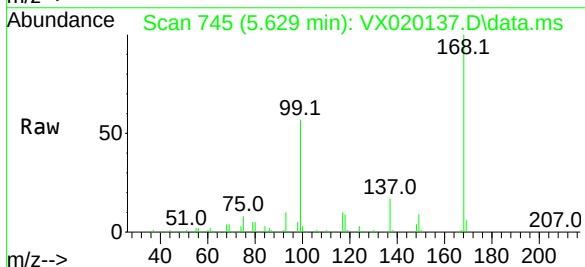
Tgt Ion: 56 Resp: 6063

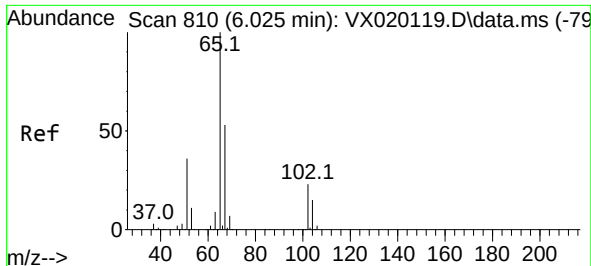
Ion Ratio Lower Upper

56 100

69 184.7 25.3 37.9#

84 167.0 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.26 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020137.D

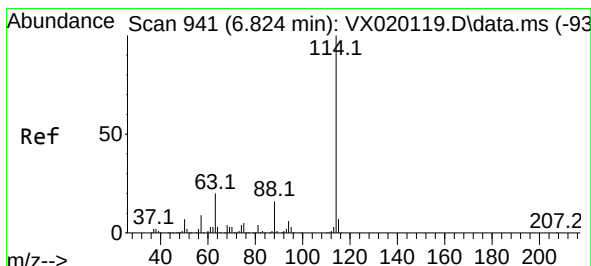
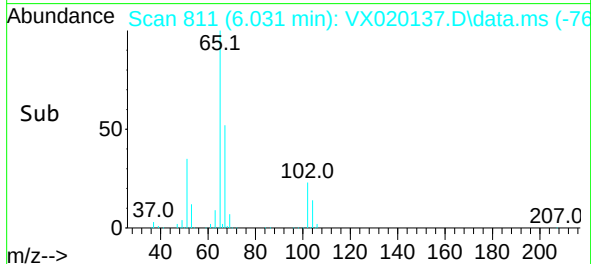
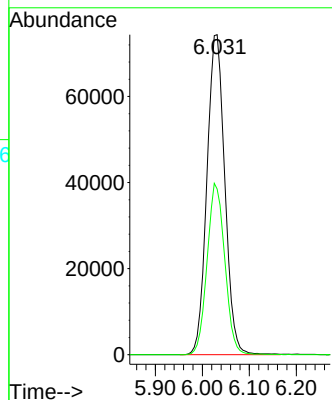
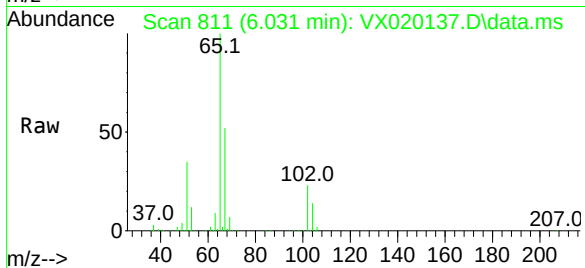
Acq: 18 Dec 2020 19:28

Tgt Ion: 65 Resp: 195879

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: VX020137.D

Acq: 18 Dec 2020 19:28

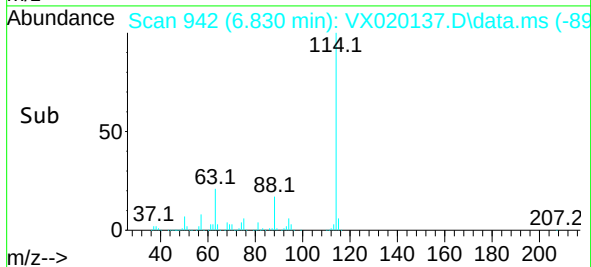
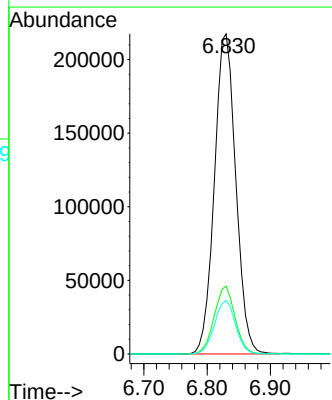
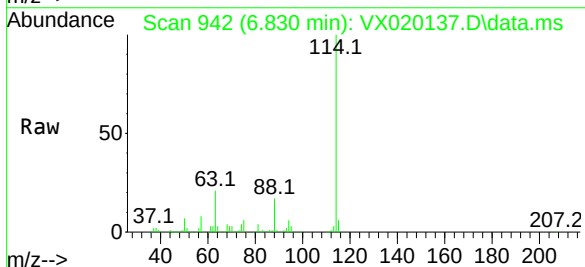
Tgt Ion: 114 Resp: 510691

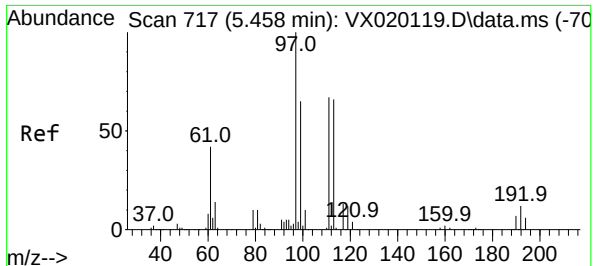
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.7 0.0 32.8

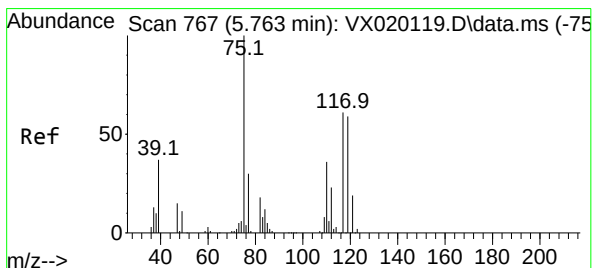
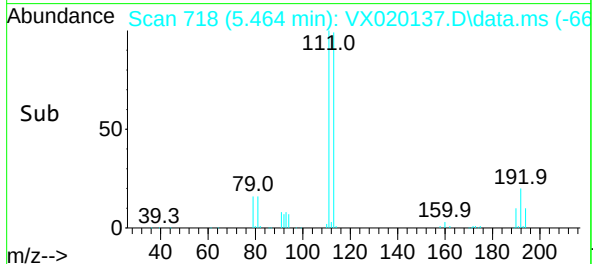
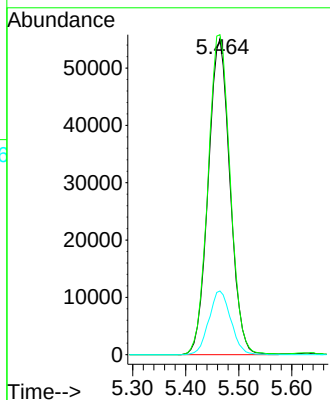
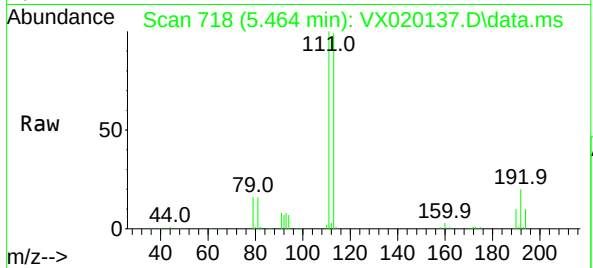




#35
Dibromofluoromethane
Concen: 48.00 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

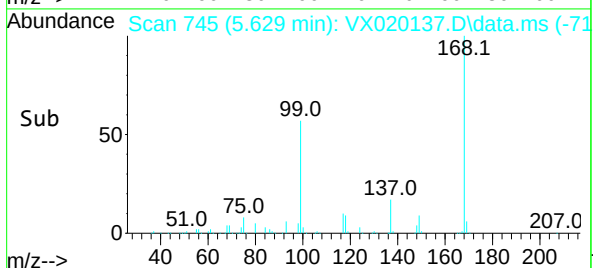
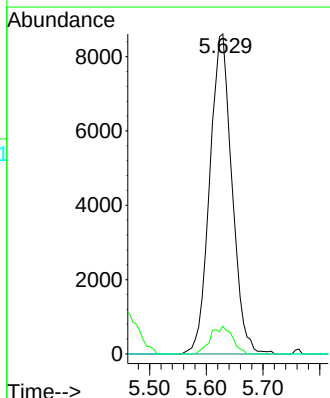
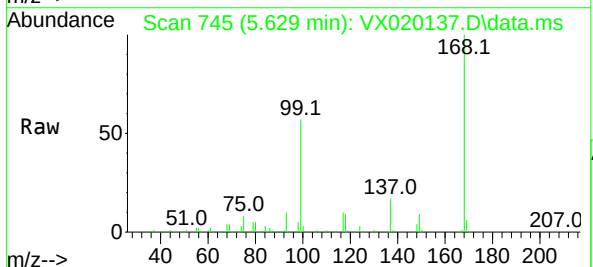
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

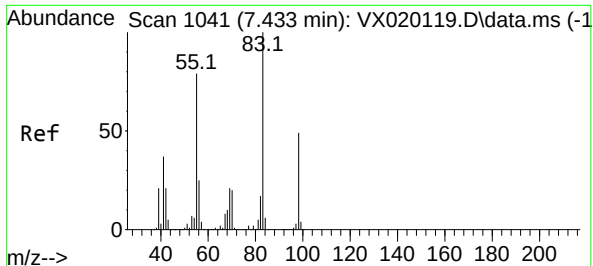
Tgt Ion:113 Resp: 156824
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 75 Resp: 23455
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#





#39

Methylcyclohexane

Concen: 3.64 ug/l

RT: 7.184 min Scan# 1000

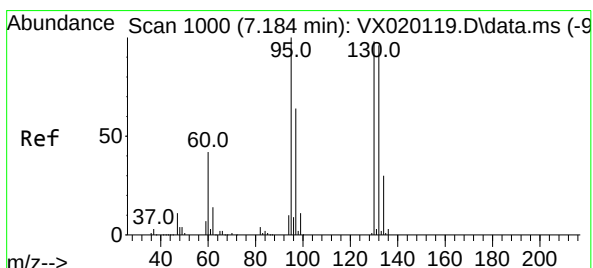
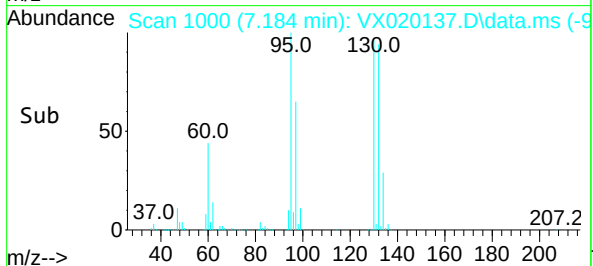
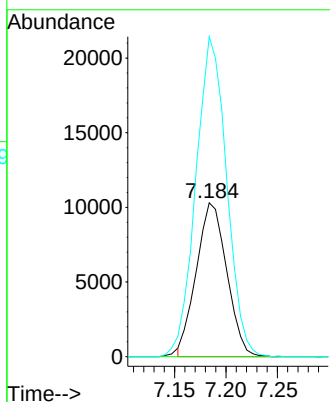
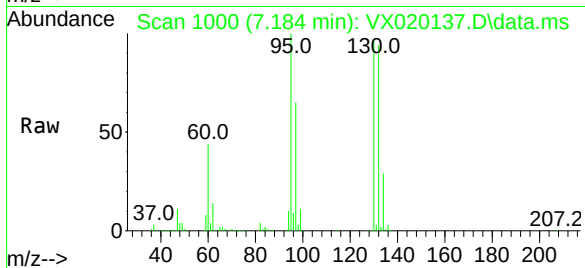
Delta R.T. -0.249 min

Lab File: VX020137.D

Acq: 18 Dec 2020 19:28

Tgt Ion:	83	Resp:	21234
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	207.2	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209



#44

Trichloroethene

Concen: 439.28 ug/l

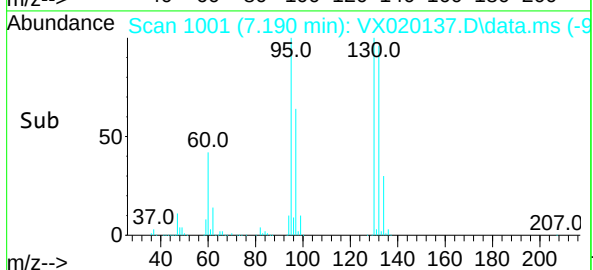
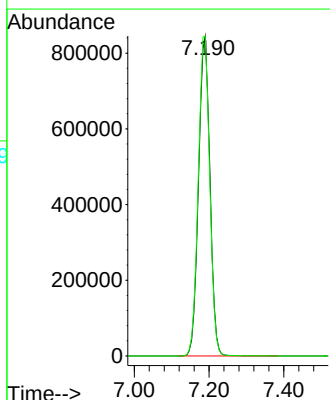
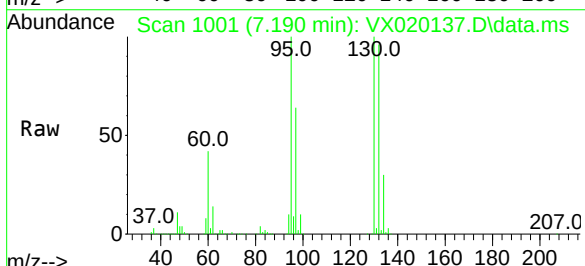
RT: 7.190 min Scan# 1001

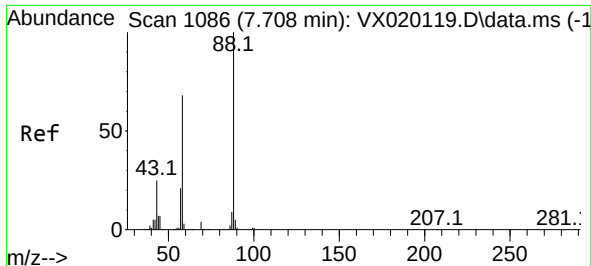
Delta R.T. 0.006 min

Lab File: VX020137.D

Acq: 18 Dec 2020 19:28

Tgt Ion:	130	Resp:	1784046
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	198.0

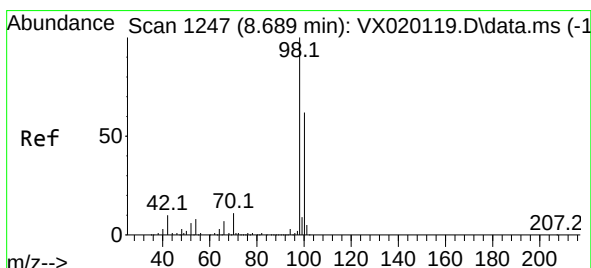
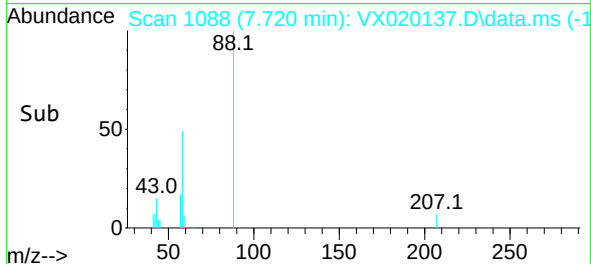
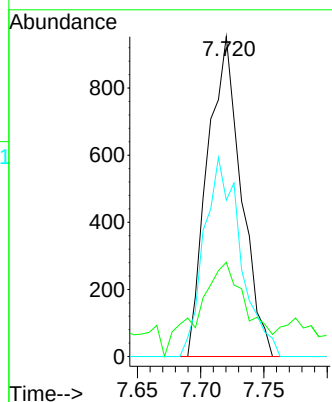
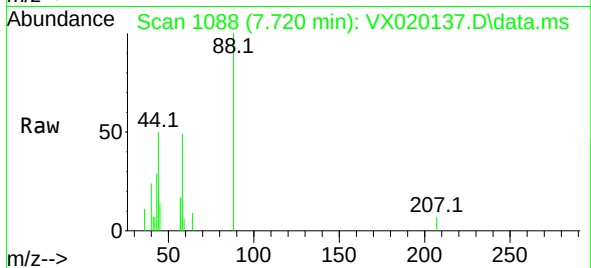




#49
1,4-Dioxane
Concen: 18.58 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

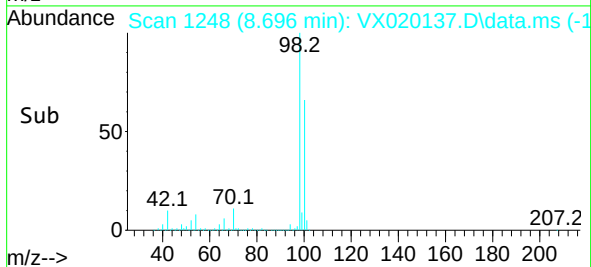
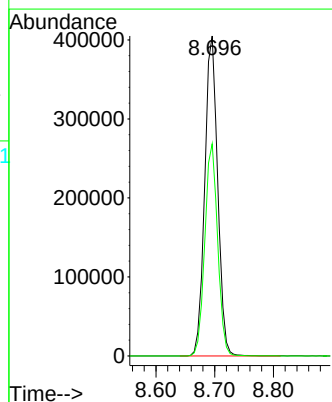
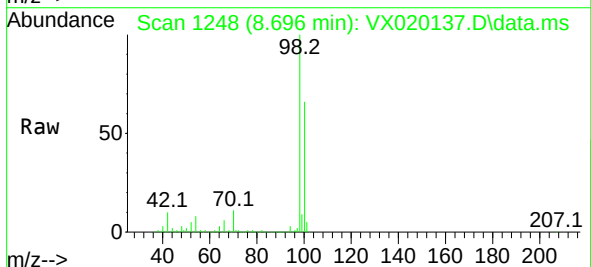
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

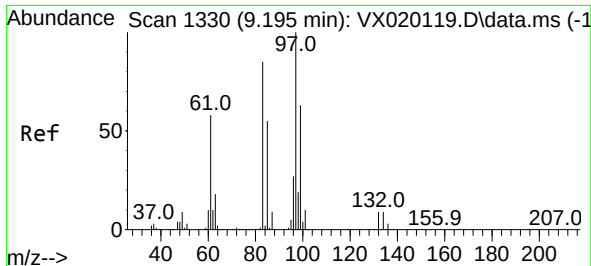
Tgt Ion:	88	Resp:	1765
Ion	Ratio	Lower	Upper
88	100		
43	43.5	23.2	34.8#
58	67.6	55.0	82.4



#50
Toluene-d8
Concen: 49.26 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

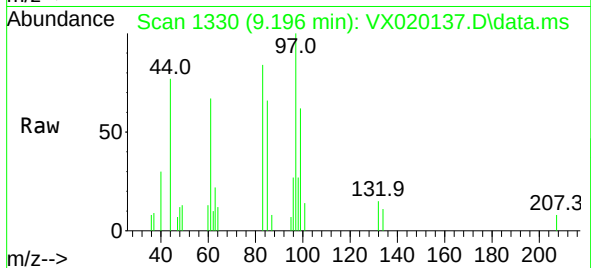
Tgt Ion:	98	Resp:	619403
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9



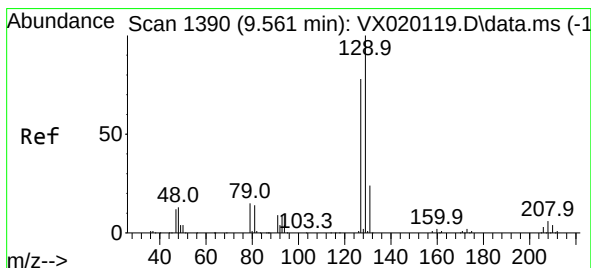
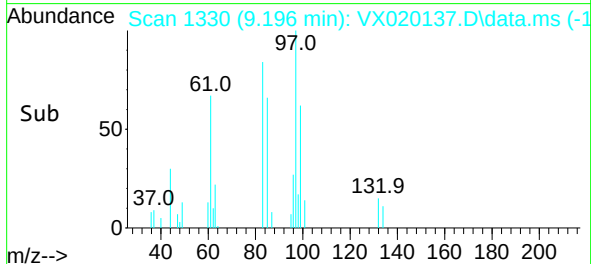
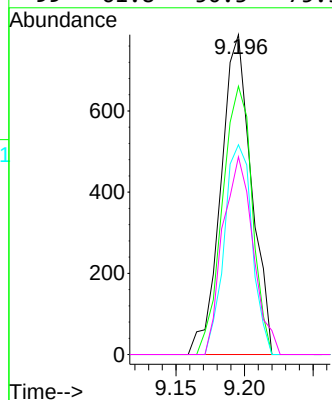


#55
1,1,2-Trichloroethane
Concen: 0.31 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

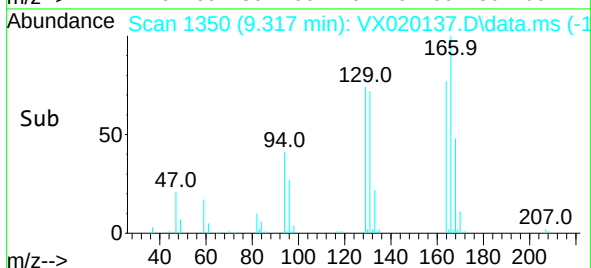
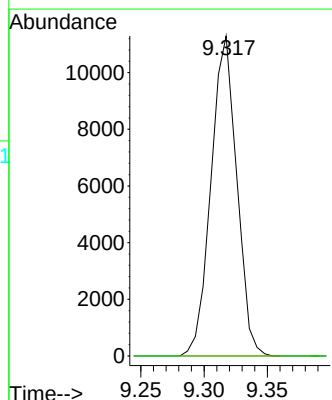
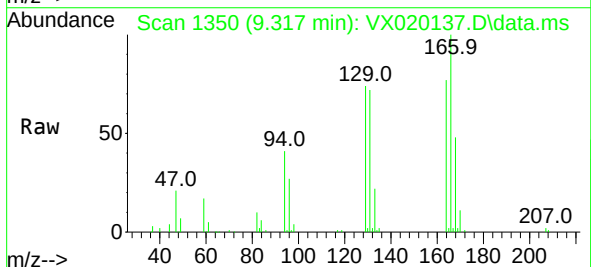


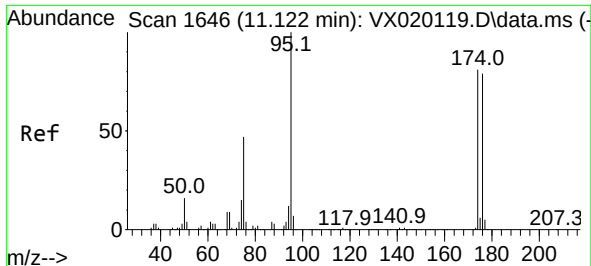
Tgt Ion: 97	Resp: 1223
Ion Ratio	Lower Upper
97 100	
83 83.9	69.3 103.9
85 65.6	44.3 66.5
99 61.8	50.3 75.5



#60
Dibromochloromethane
Concen: 4.08 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion:129	Resp:	15994	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

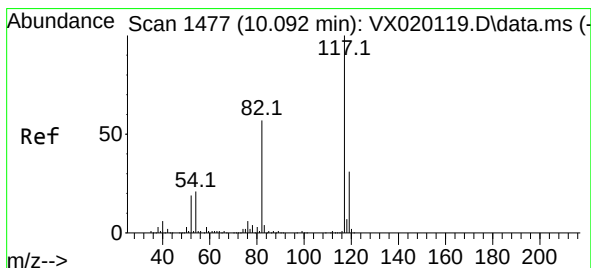
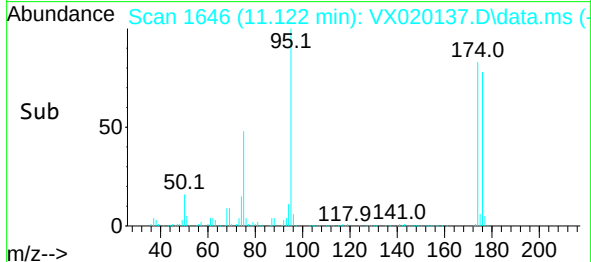
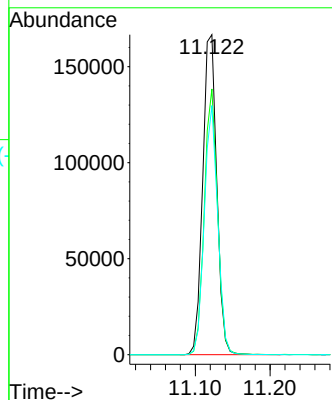
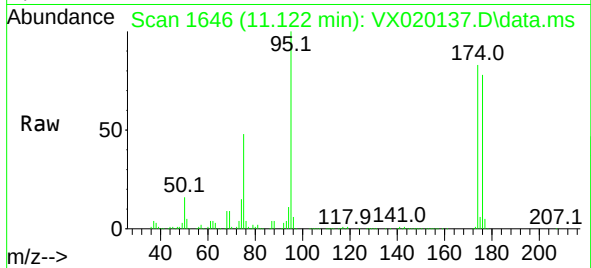




#62
4-Bromofluorobenzene
Concen: 45.12 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

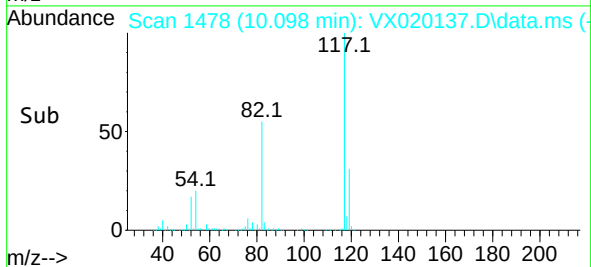
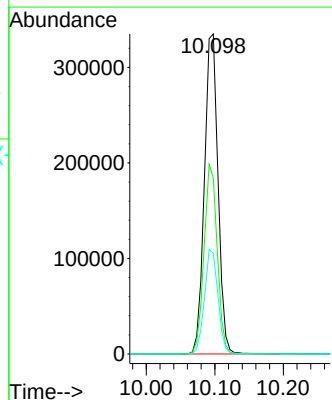
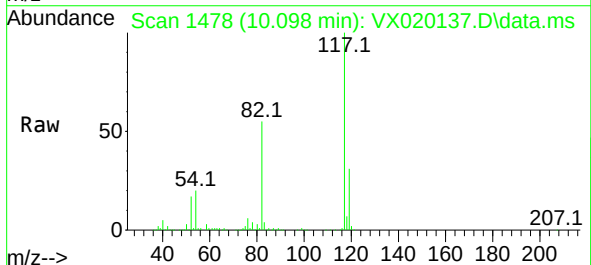
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

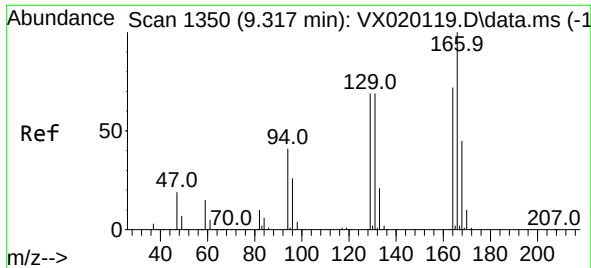
Tgt Ion: 95 Resp: 217162
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 74.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 117 Resp: 464513
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 31.4 26.6 39.8

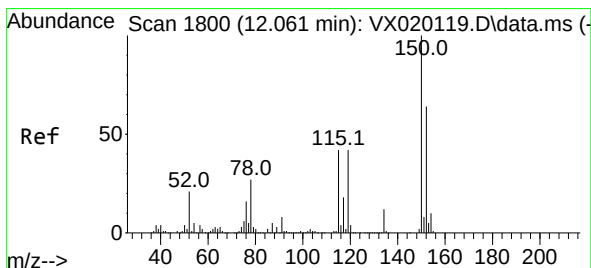
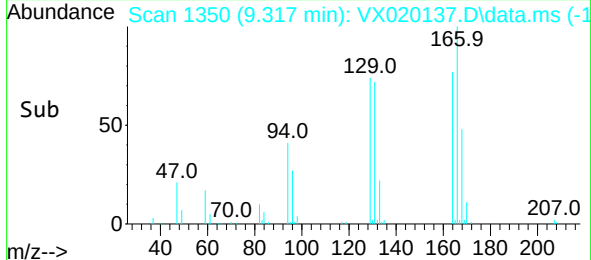
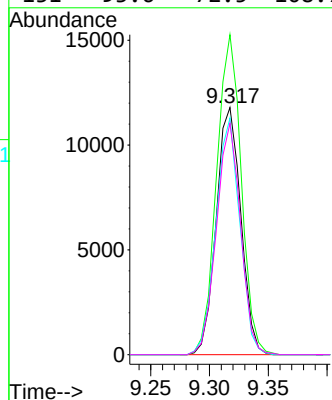
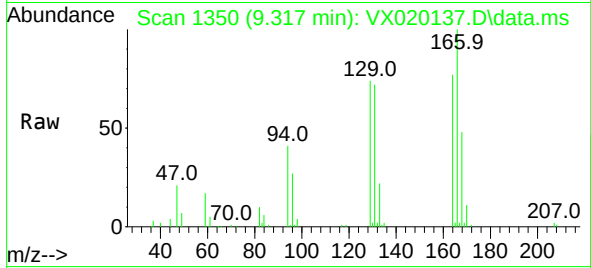




#64
Tetrachloroethene
Concen: 4.91 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

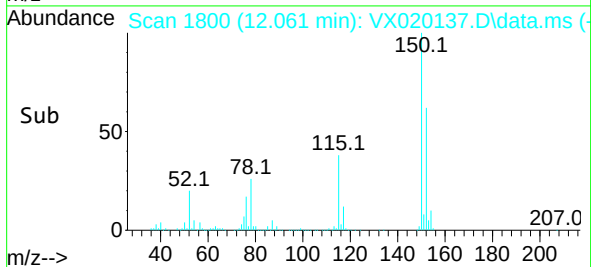
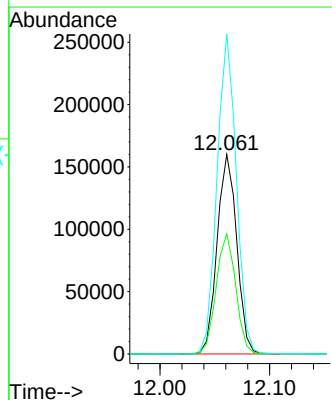
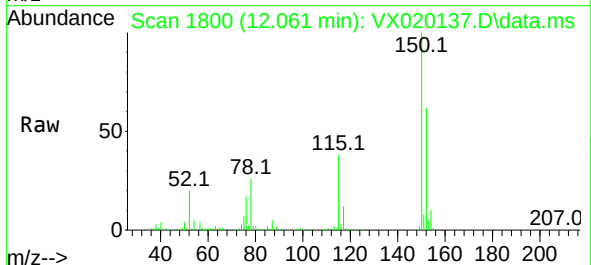
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

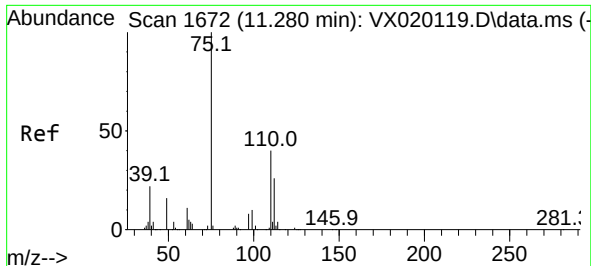
Tgt Ion:164	Resp:	17182
Ion Ratio	Lower	Upper
164	100	
166	129.4	103.4 155.2
129	95.7	70.8 106.2
131	93.6	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion:152	Resp:	199116
Ion Ratio	Lower	Upper
152	100	
115	60.1	41.1 123.3
150	157.8	0.0 349.0

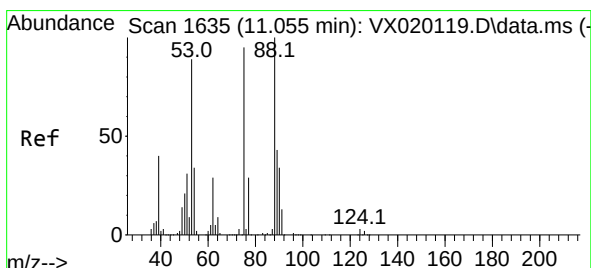
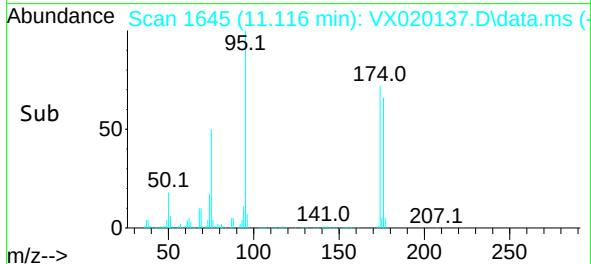
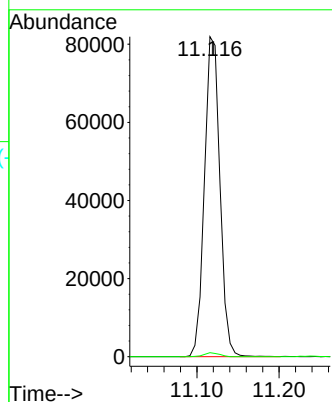
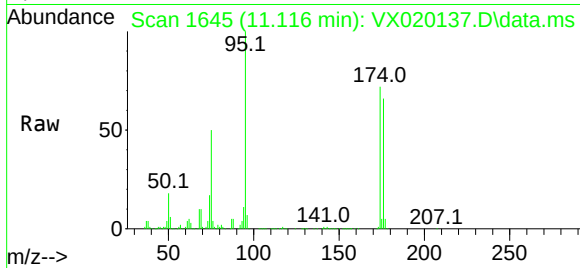




#76
1,2,3-Trichloropropane
Concen: 21.84 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20201209

Tgt Ion: 75 Resp: 107113
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.79 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020137.D
Acq: 18 Dec 2020 19:28

Tgt Ion: 75 Resp: 107113
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

