

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020155.D
 Acq On : 19 Dec 2020 07:24
 Operator : JC/MD
 Sample : L5053-16DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20201210DL

Quant Time: Dec 21 00:12:33 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)

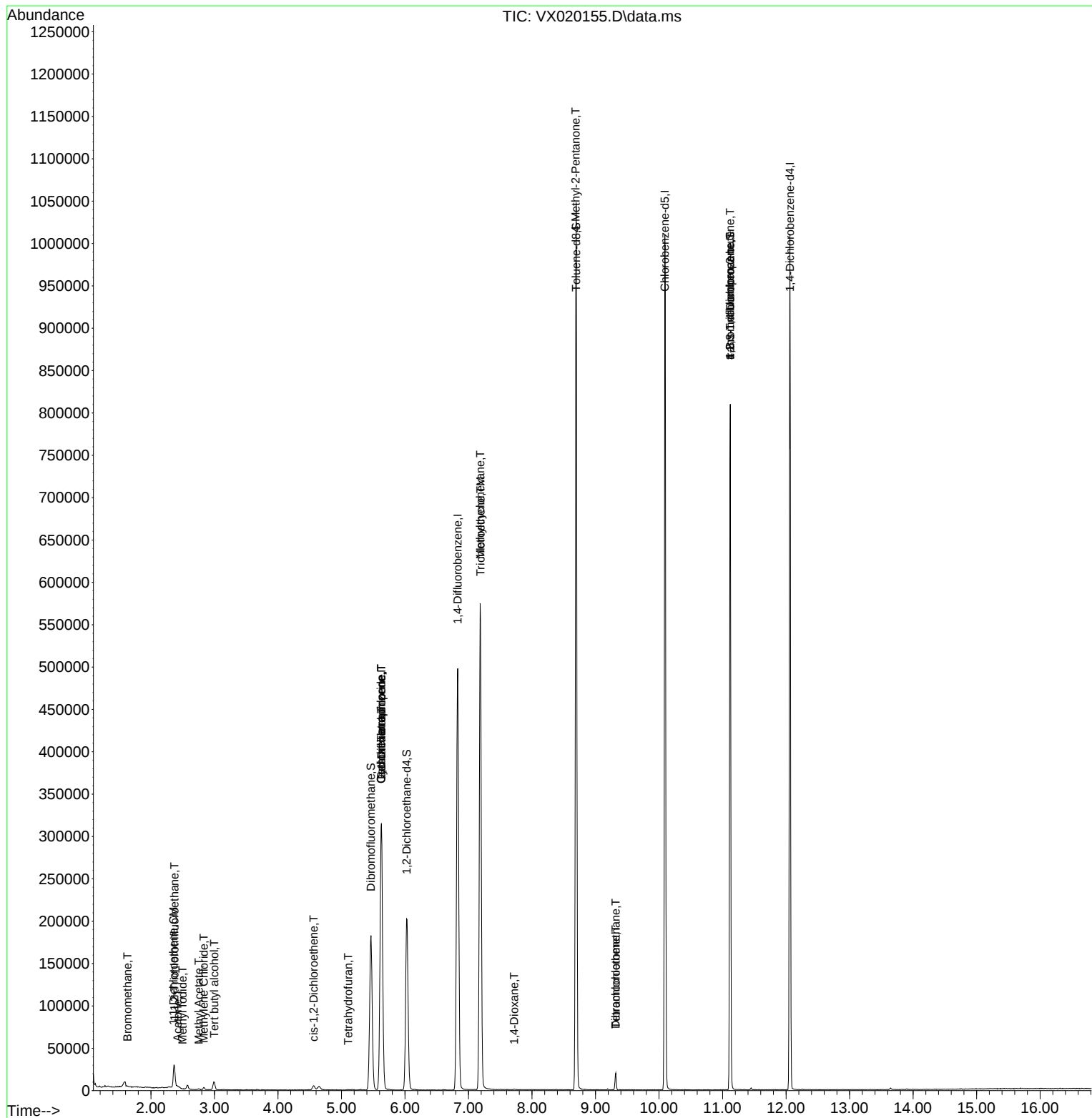
Internal Standards						
1) Pentafluorobenzene	5.629	168	305132	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	511089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	470899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	207257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	197693	48.33	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.66%
35) Dibromofluoromethane	5.464	113	158943	48.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.22%
50) Toluene-d8	8.695	98	623277	49.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.06%
62) 4-Bromofluorobenzene	11.122	95	218557	45.38	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.76%
Target Compounds						Qvalue
5) Bromomethane	1.630	94	431	0.32	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.367	101	8745	2.87	ug/l	98
10) Methyl Iodide	2.495	142	102	3.31	ug/l #	42
11) Tert butyl alcohol	2.995	59	5659	6.18	ug/l #	74
12) 1,1-Dichloroethene	2.355	96	2703	0.87	ug/l	97
16) Acetone	2.416	43	1296	0.69	ug/l	89
18) Methyl Acetate	2.751	43	1379	0.33	ug/l #	83
20) Methylene Chloride	2.831	84	1181	0.28	ug/l #	91
27) cis-1,2-Dichloroethene	4.562	96	3332	0.78	ug/l	92
29) Tetrahydrofuran	5.105	42	492	0.29	ug/l #	49
31) Cyclohexane	5.623	56	5958	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23207	4.59	ug/l #	49
38) Carbon Tetrachloride	5.623	117	29415	6.12	ug/l #	16
39) Methylcyclohexane	7.184	83	2744	0.47	ug/l #	1
44) Trichloroethene	7.190	130	224046	55.12	ug/l	98
49) 1,4-Dioxane	7.720	88	408	4.29	ug/l	91
51) 4-Methyl-2-Pentanone	8.689	43	2506	0.49	ug/l #	1
60) Dibromochloromethane	9.317	129	3498	0.89	ug/l #	11
64) Tetrachloroethene	9.317	164	3681	1.04	ug/l	93
76) 1,2,3-Trichloropropane	11.122	75	106183	20.80	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	106183	61.71	ug/l #	12

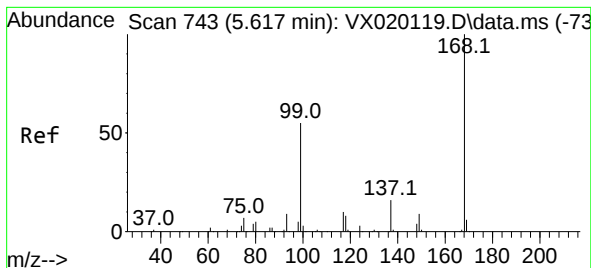
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX020155.D

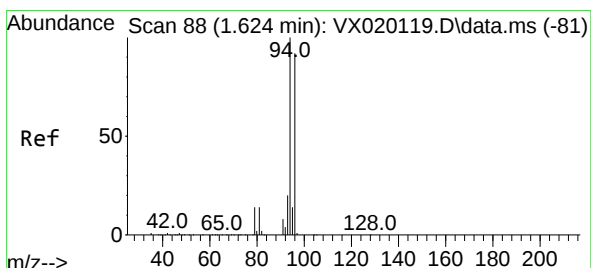
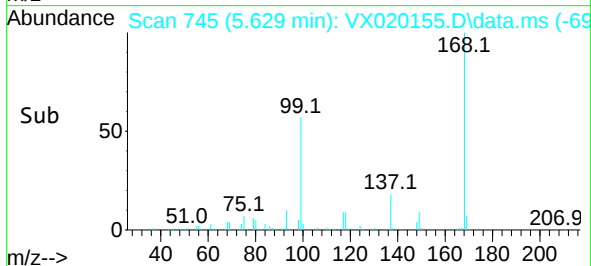
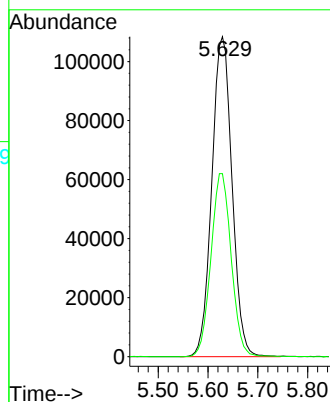
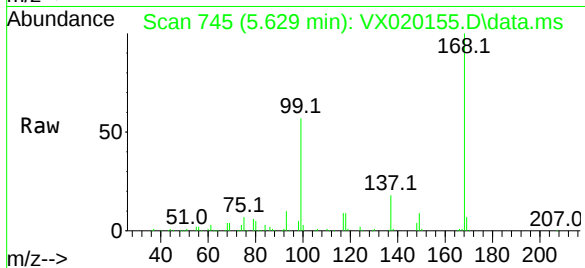
Acq: 19 Dec 2020 07:24

Tgt Ion:168 Resp: 305132

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



#5

Bromomethane

Concen: 0.32 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.006 min

Lab File: VX020155.D

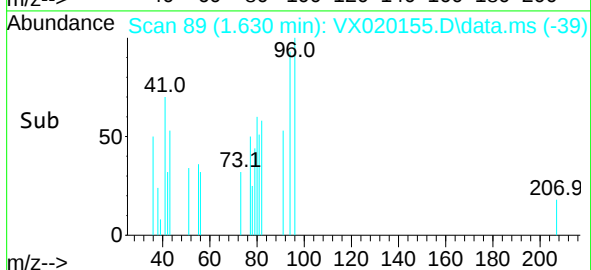
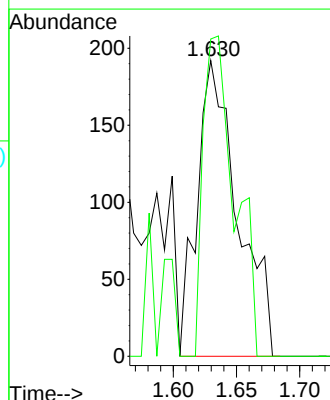
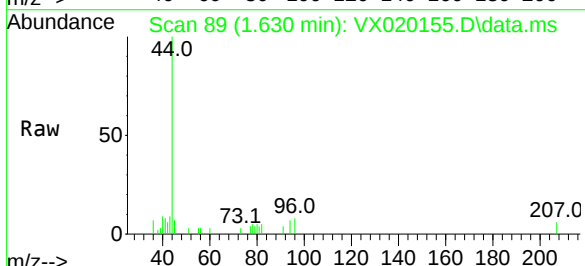
Acq: 19 Dec 2020 07:24

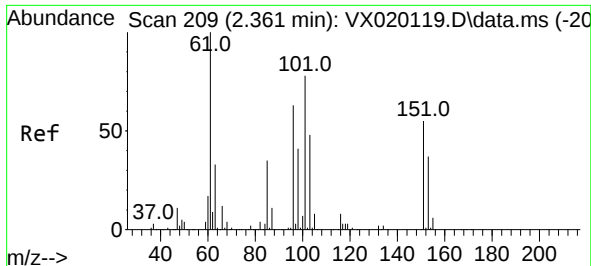
Tgt Ion: 94 Resp: 431

Ion Ratio Lower Upper

94 100

96 107.3 76.4 114.6

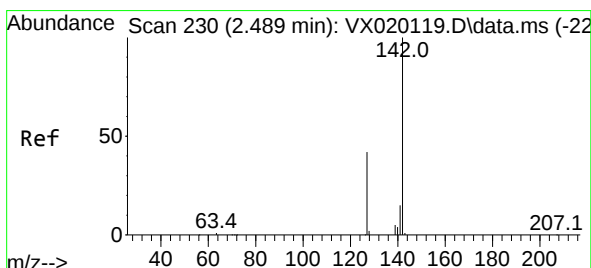
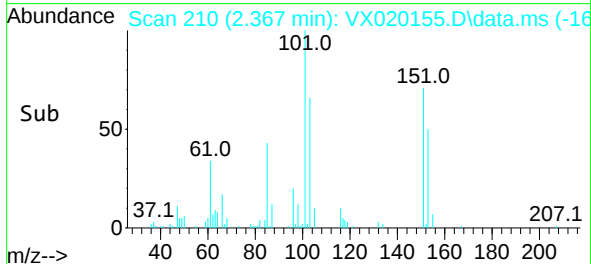
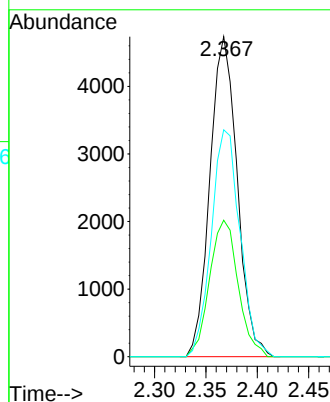
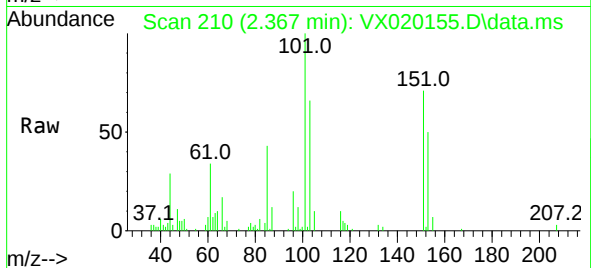




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.87 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

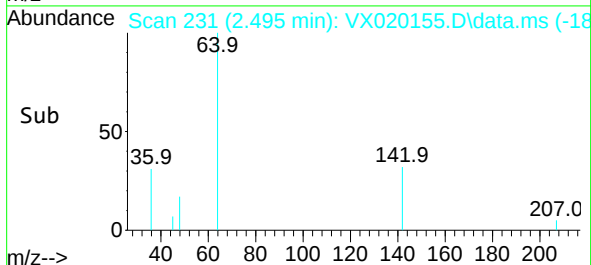
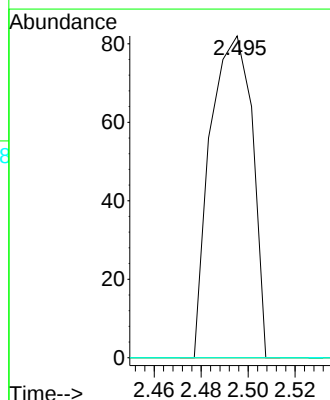
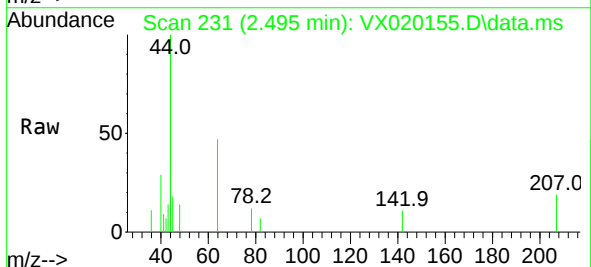
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

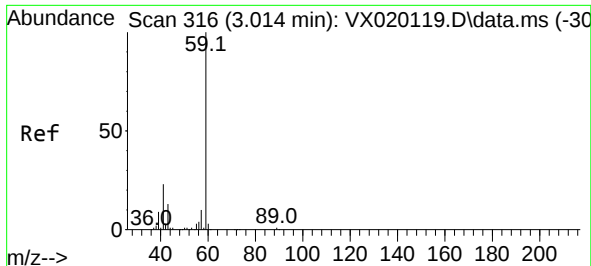
Tgt Ion:	101	Resp:	8745
Ion	Ratio	Lower	Upper
101	100		
85	44.6	34.9	52.3
151	74.5	61.4	92.2



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion:	142	Resp:	102
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#



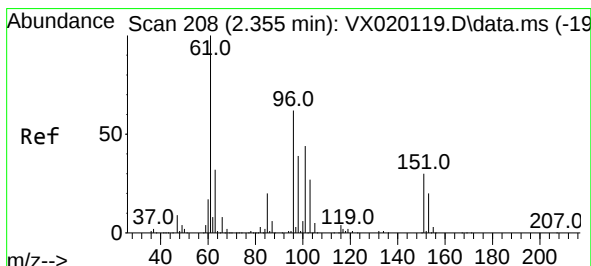
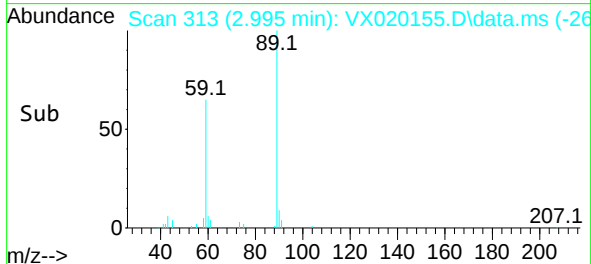
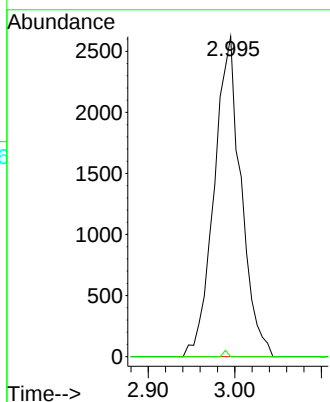
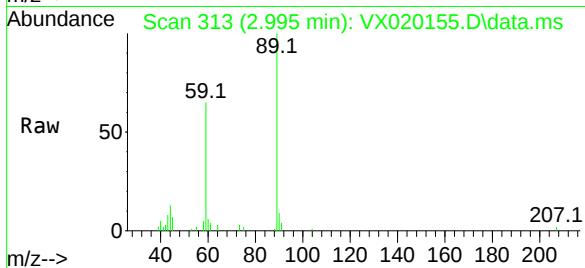


#11

Tert butyl alcohol
Concen: 6.18 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

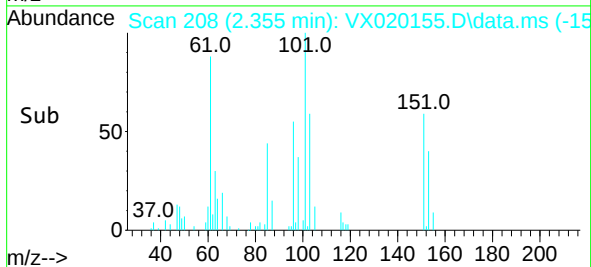
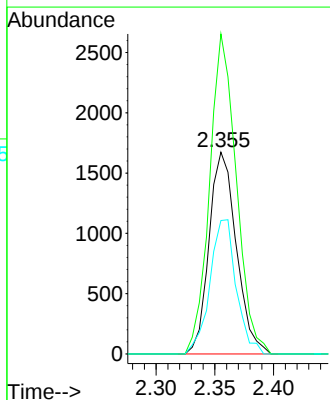
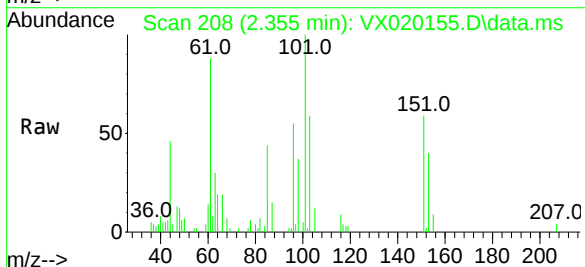
Tgt Ion: 59 Resp: 5659
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.8#

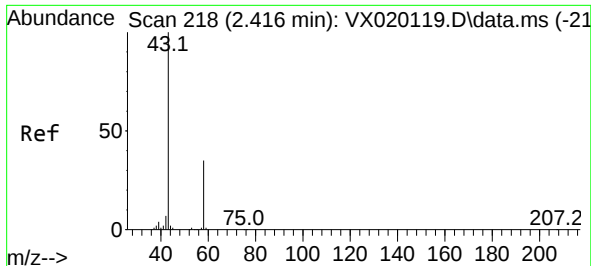


#12

1,1-Dichloroethene
Concen: 0.87 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 96 Resp: 2703
Ion Ratio Lower Upper
96 100
61 158.6 124.6 187.0
98 66.2 50.6 76.0

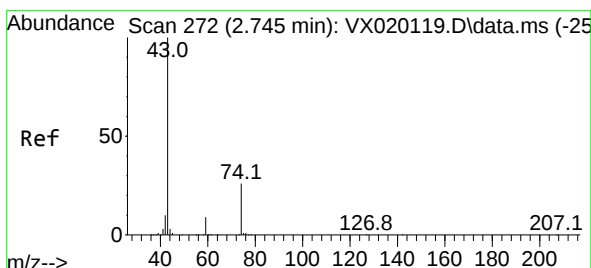
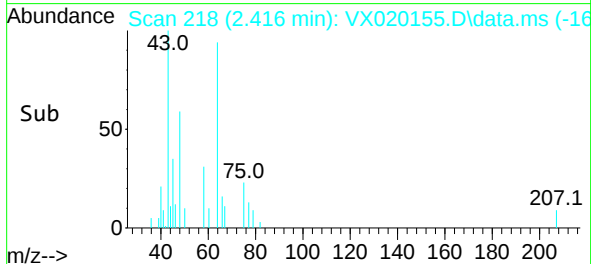
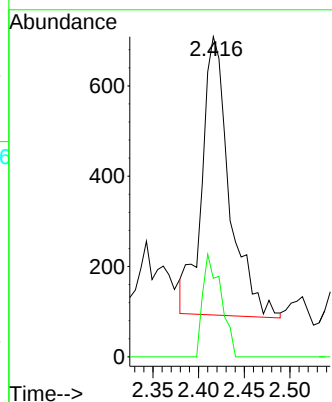
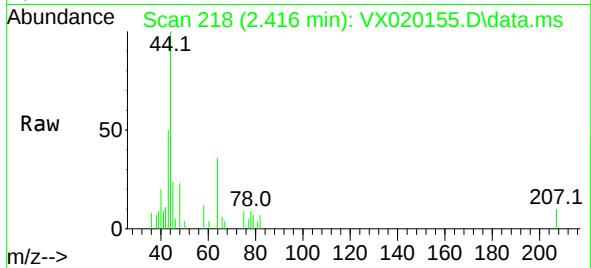




#16
Acetone
Concen: 0.69 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

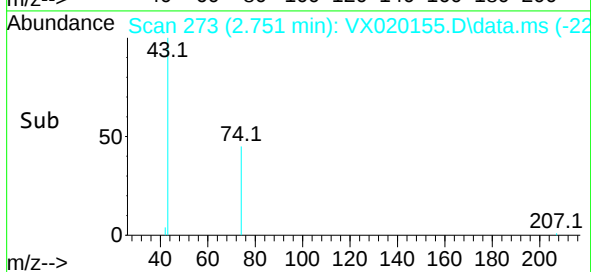
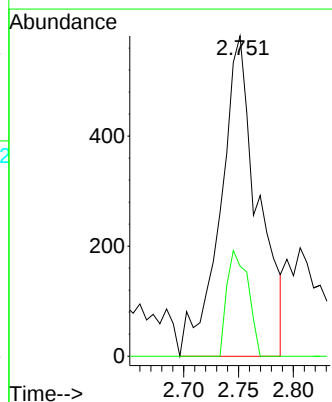
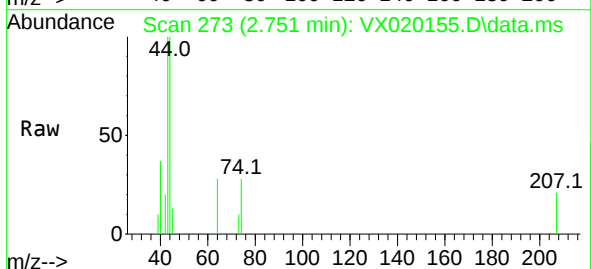
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

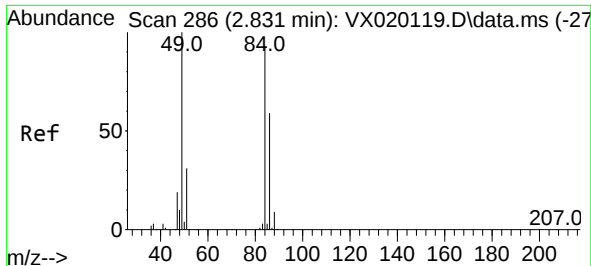
Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

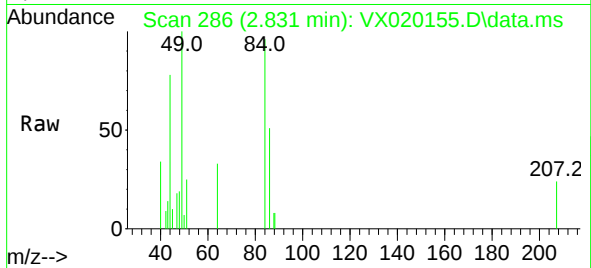
Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
74 18.7 21.9 32.9#



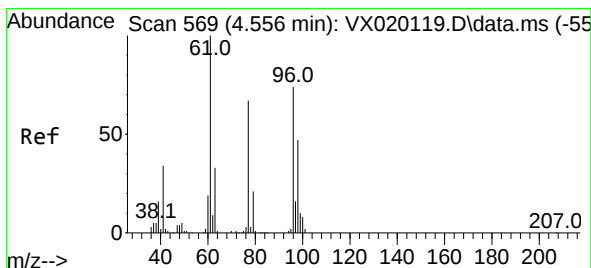
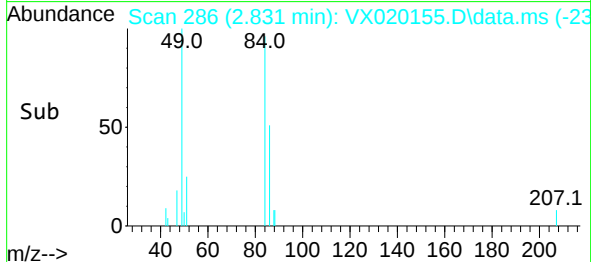
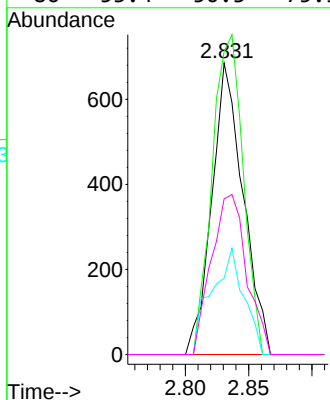


#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

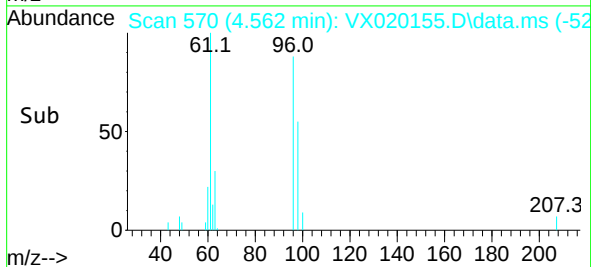
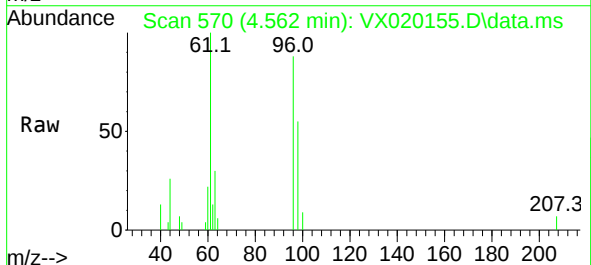
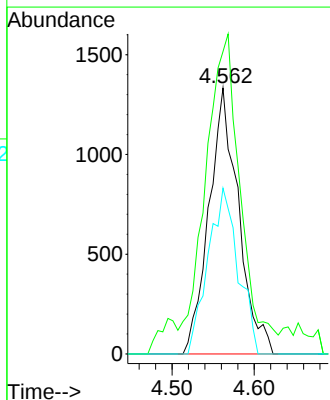


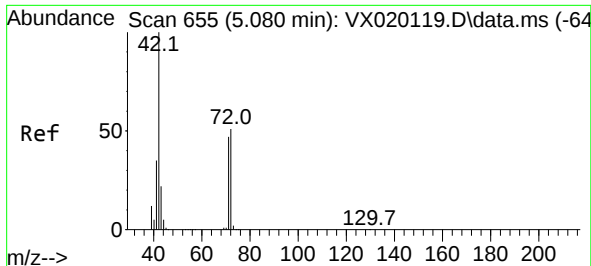
Tgt Ion: 84	Resp: 1181
Ion Ratio	Lower Upper
84 100	
49 103.9	88.6 132.8
51 26.1	27.0 40.6#
86 53.4	50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 0.78 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 96	Resp: 3332
Ion Ratio	Lower Upper
96 100	
61 129.5	0.0 285.6
98 63.4	0.0 129.6





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.105 min Scan# 659

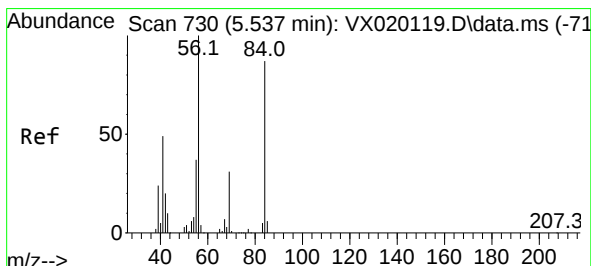
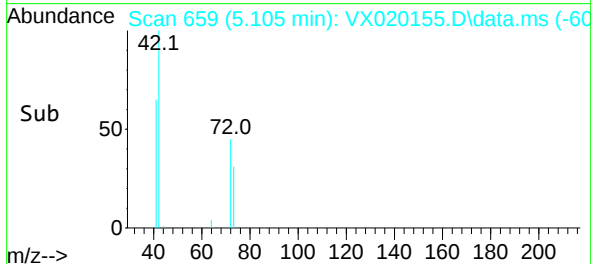
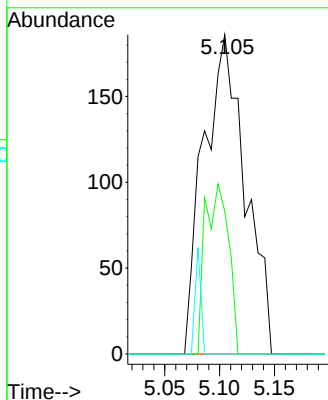
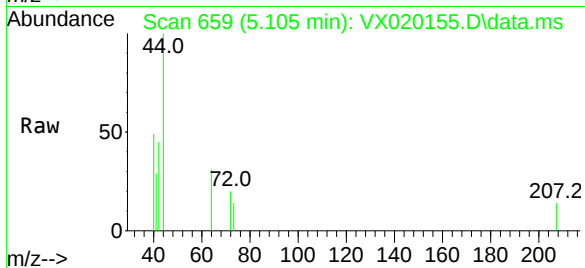
Delta R.T. 0.025 min

Lab File: VX020155.D

Acq: 19 Dec 2020 07:24

Tgt Ion:	42	Resp:	492
Ion Ratio	Lower	Upper	
42	100		
72	29.9	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
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ClientSampleId :
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#31

Cyclohexane

Concen: 1.06 ug/l

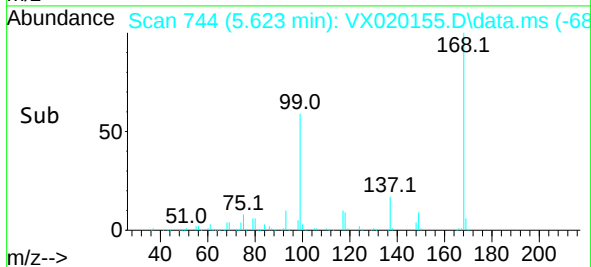
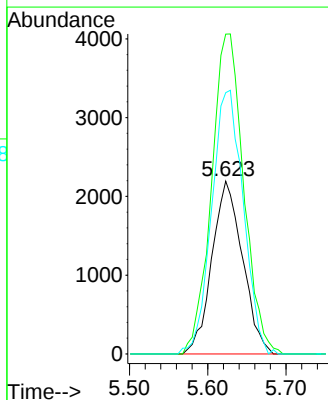
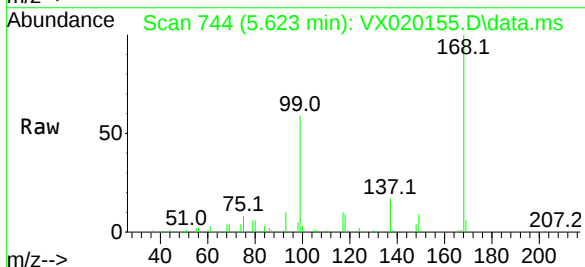
RT: 5.623 min Scan# 744

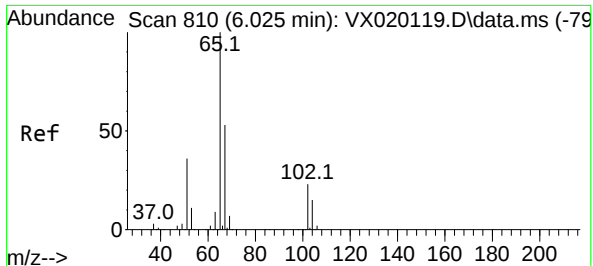
Delta R.T. 0.086 min

Lab File: VX020155.D

Acq: 19 Dec 2020 07:24

Tgt Ion:	56	Resp:	5958
Ion Ratio	Lower	Upper	
56	100		
69	185.1	25.3	37.9#
84	151.2	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.33 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020155.D

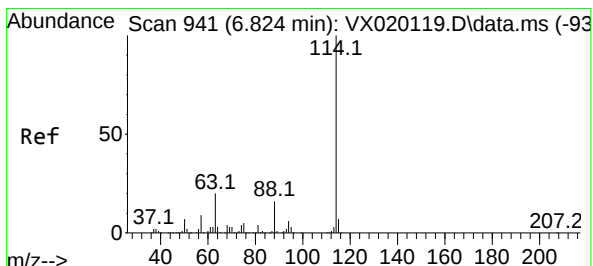
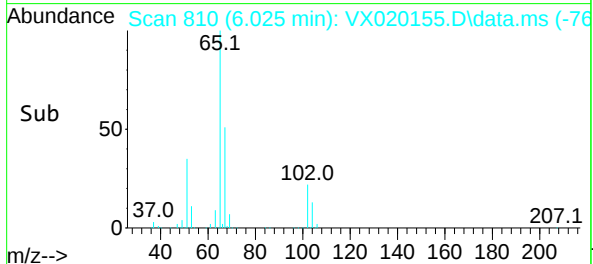
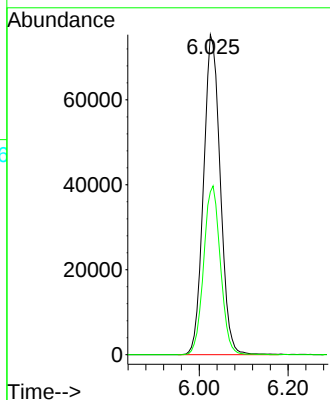
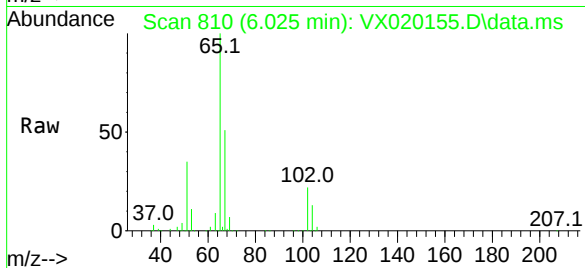
Acq: 19 Dec 2020 07:24

Tgt Ion: 65 Resp: 197693

Ion Ratio Lower Upper

65 100

67 52.7 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: VX020155.D

Acq: 19 Dec 2020 07:24

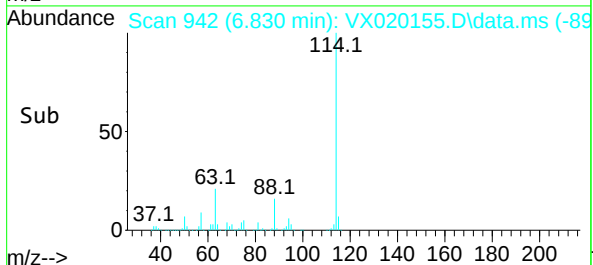
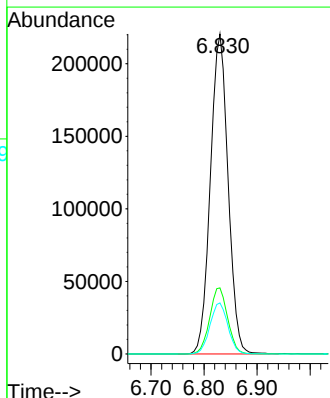
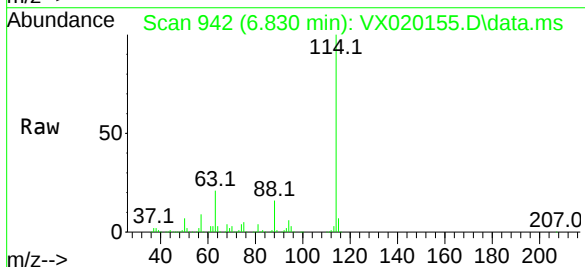
Tgt Ion: 114 Resp: 511089

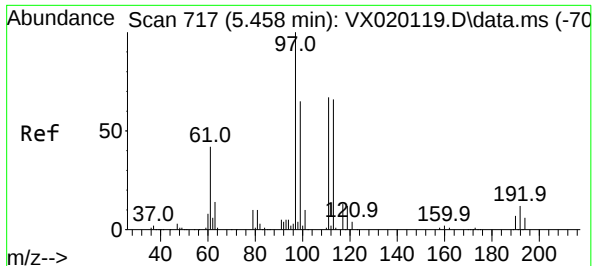
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

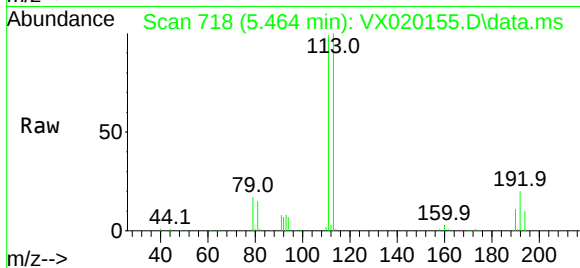
88 16.0 0.0 32.8



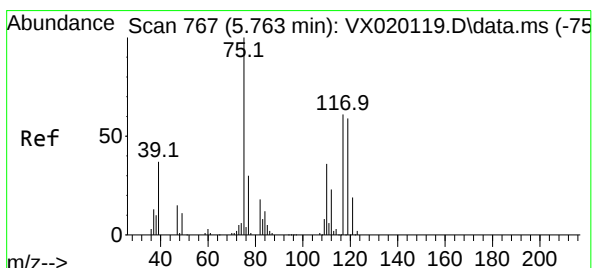
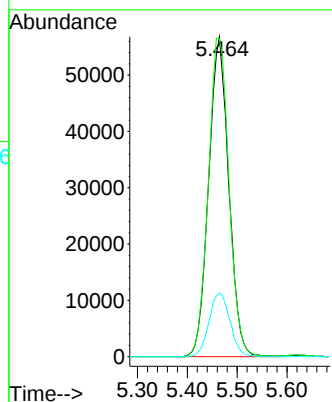
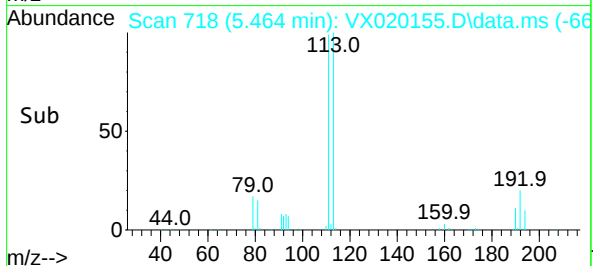


#35
Dibromofluoromethane
Concen: 48.61 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

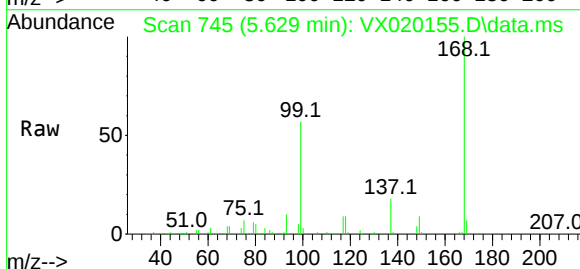
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL



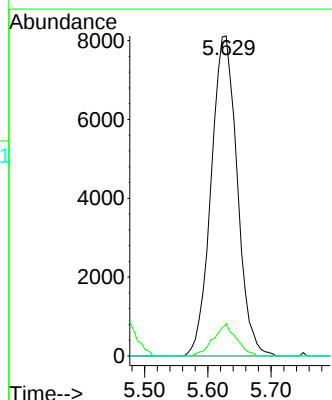
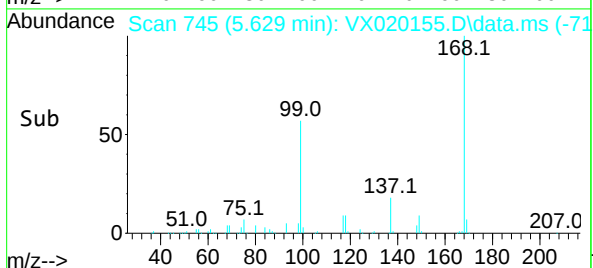
Tgt Ion:113 Resp: 158943
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.8 16.7 25.1

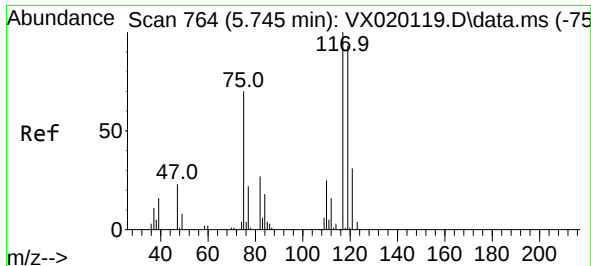


#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24



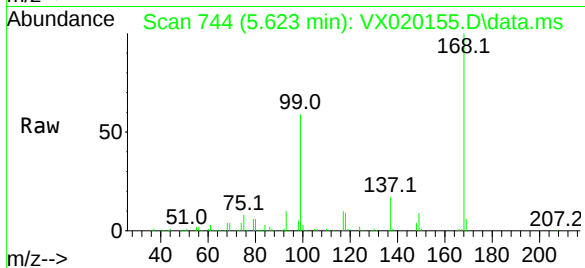
Tgt Ion: 75 Resp: 23207
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



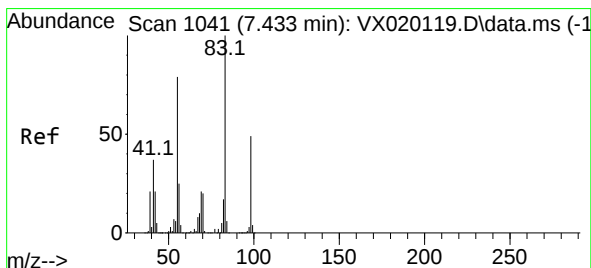
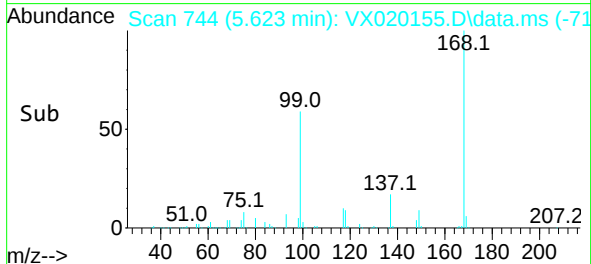
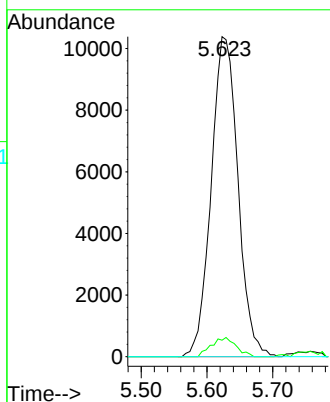


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

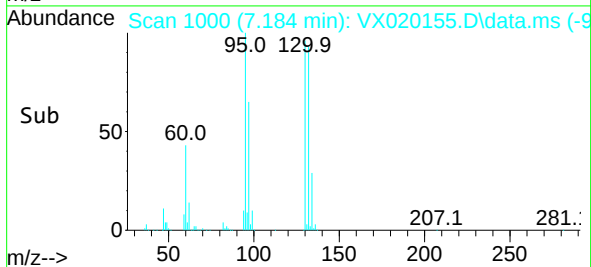
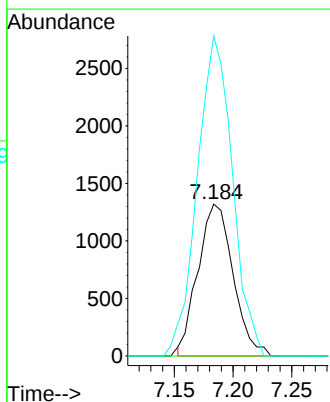
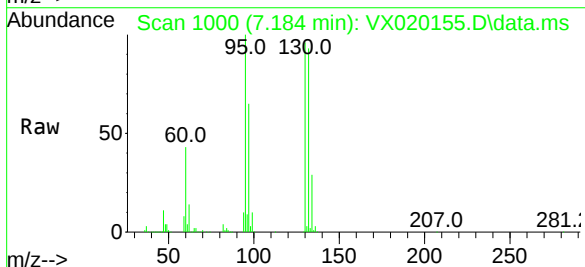


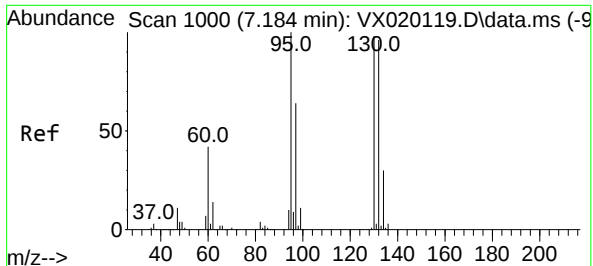
Tgt Ion:117 Resp: 29415
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.47 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 83 Resp: 2744
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 210.8 38.1 57.1#

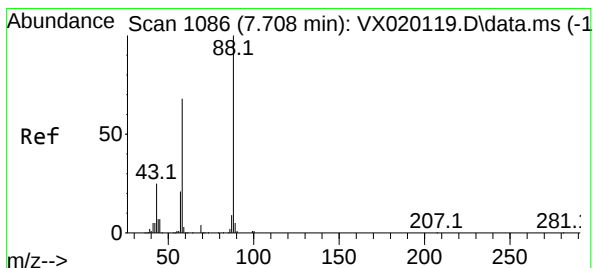
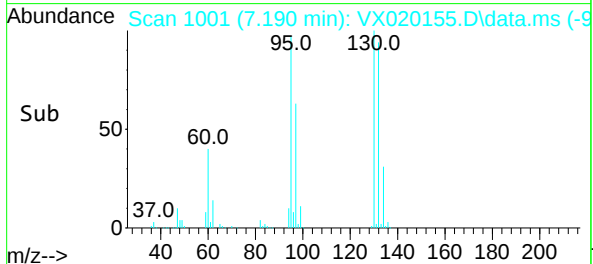
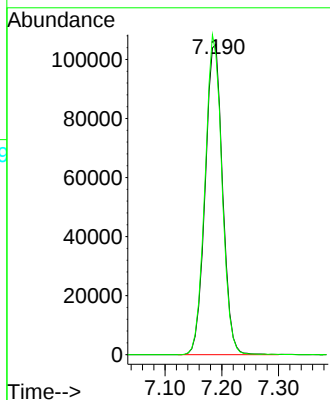
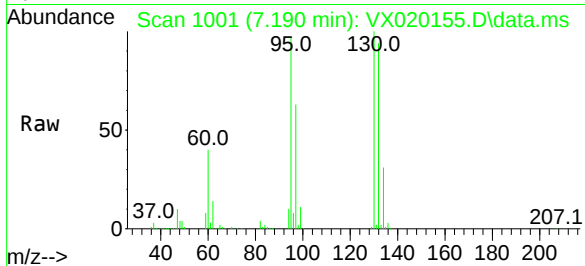




#44
Trichloroethene
Concen: 55.12 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

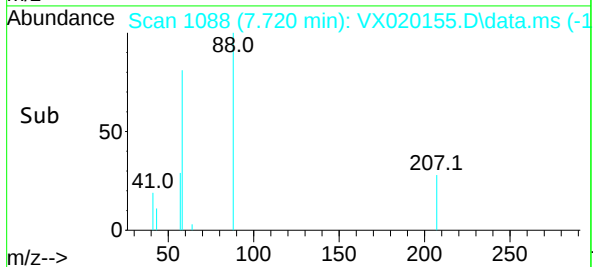
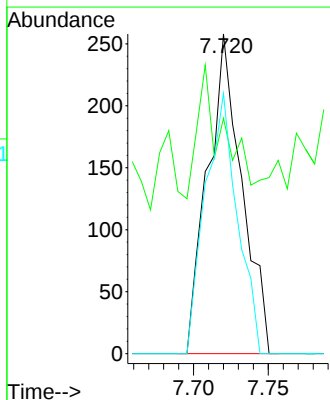
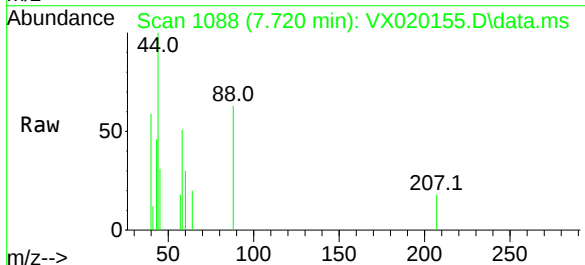
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

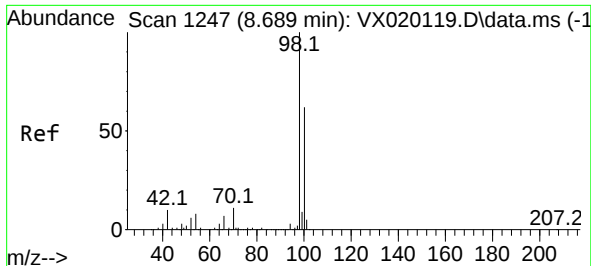
Tgt Ion:130 Resp: 224046
Ion Ratio Lower Upper
130 100
95 96.6 0.0 198.0



#49
1,4-Dioxane
Concen: 4.29 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 88 Resp: 408
Ion Ratio Lower Upper
88 100
43 32.6 23.2 34.8
58 77.0 55.0 82.4

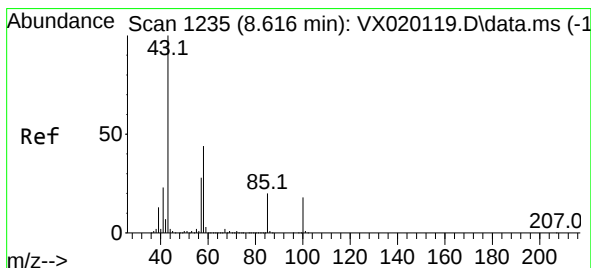
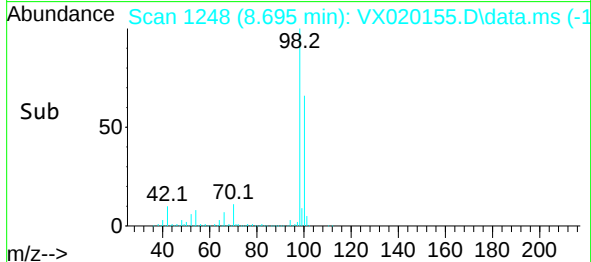
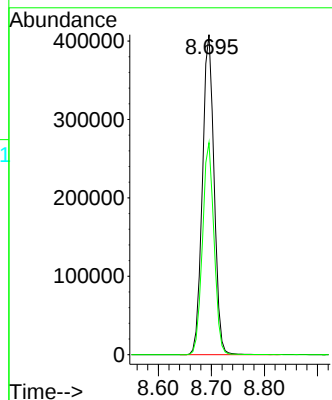
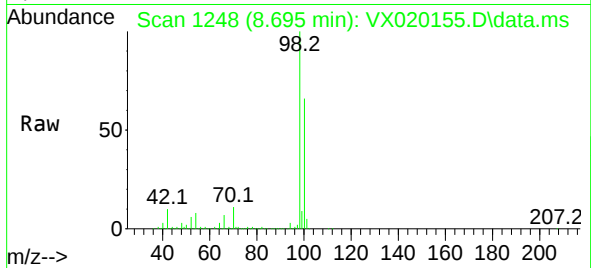




#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

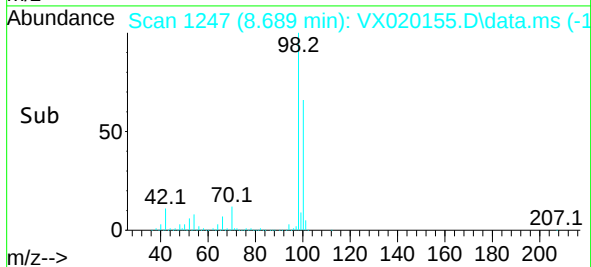
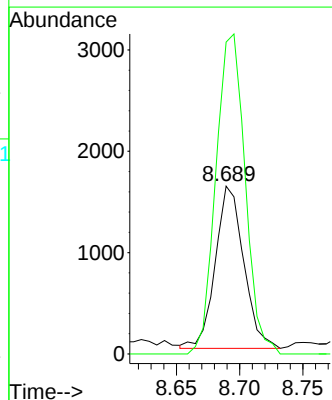
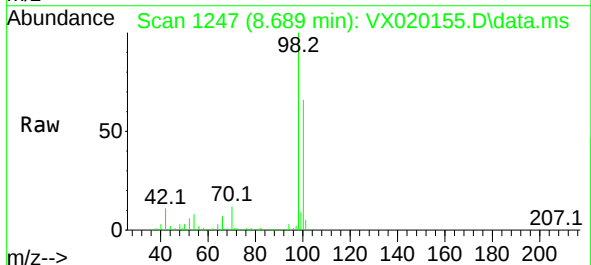
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

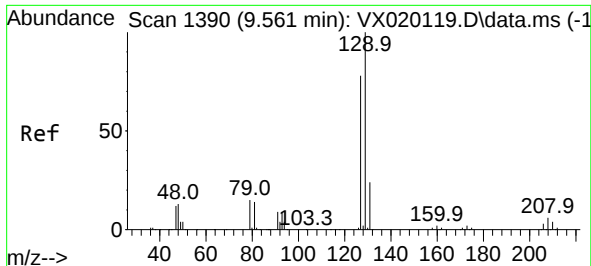
Tgt Ion: 98 Resp: 623277
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 43 Resp: 2506
Ion Ratio Lower Upper
43 100
58 202.3 35.4 53.0#

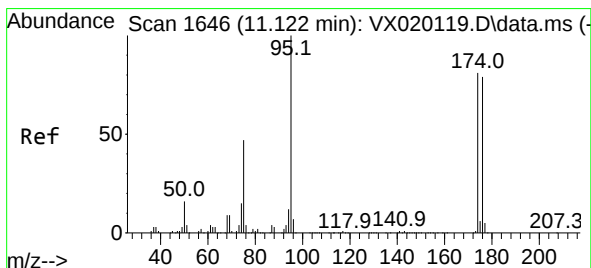
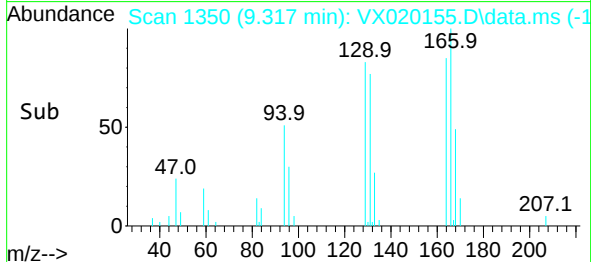
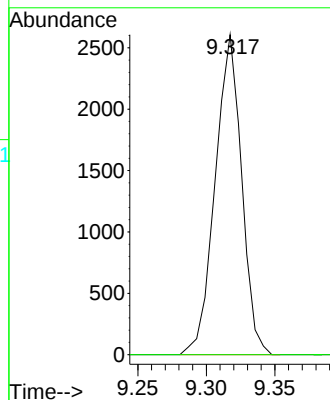
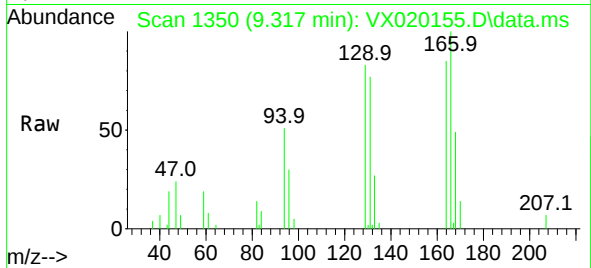




#60
Dibromochloromethane
Concen: 0.89 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

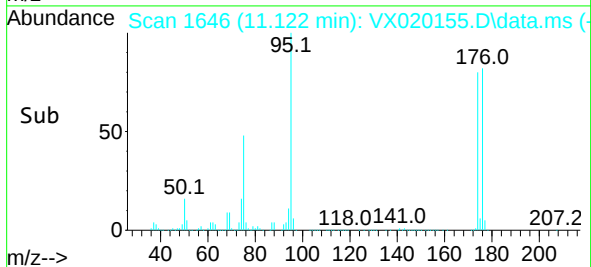
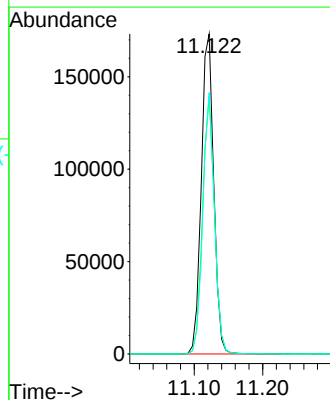
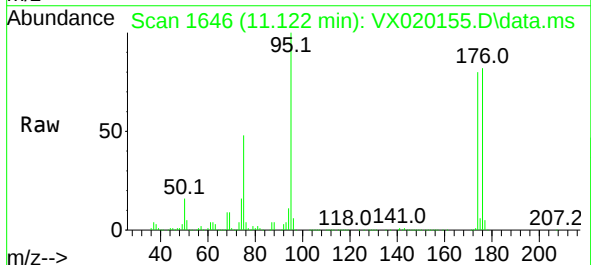
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

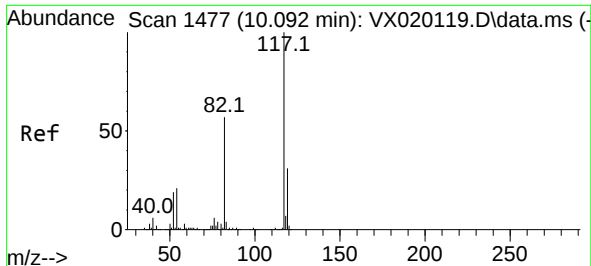
Tgt Ion:129 Resp: 3498
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.38 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion: 95 Resp: 218557
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 76.6 0.0 155.8

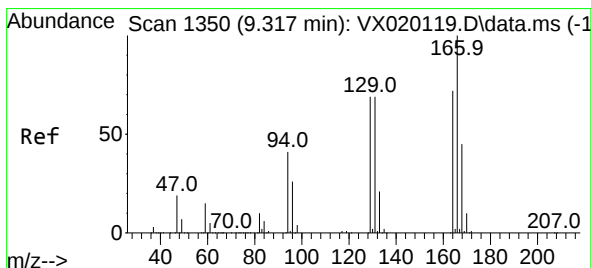
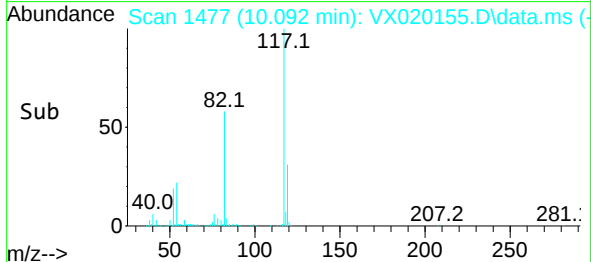
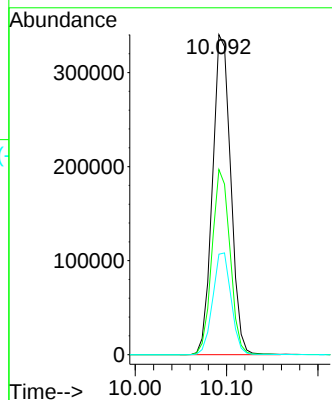
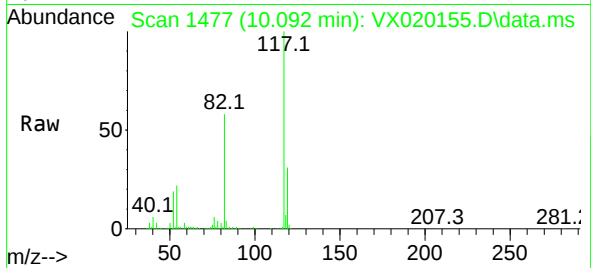




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

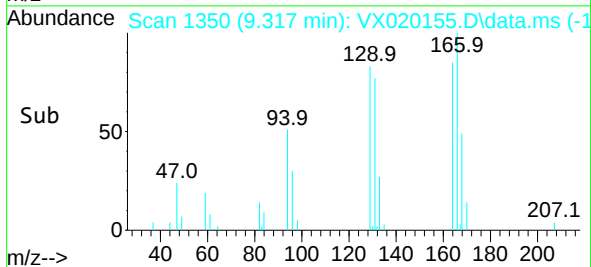
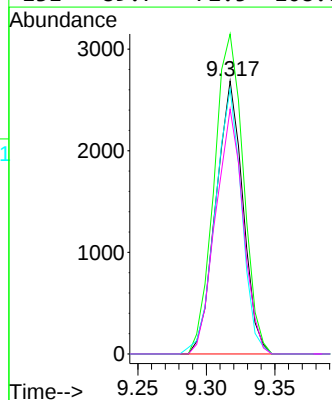
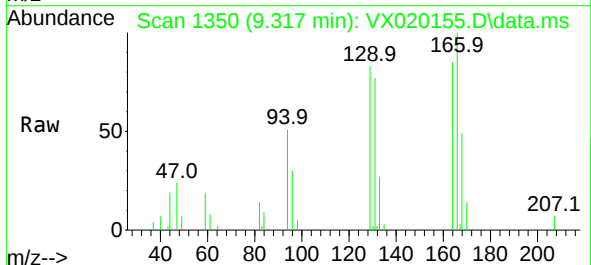
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

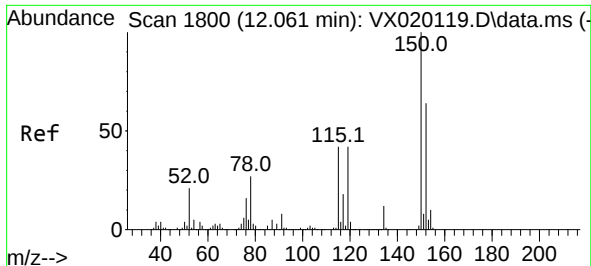
Tgt Ion:	117	Resp:	470899
Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.4	71.2
119	31.4	26.6	39.8



#64
Tetrachloroethene
Concen: 1.04 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

Tgt Ion:	164	Resp:	3681
Ion	Ratio	Lower	Upper
164	100		
166	117.2	103.4	155.2
129	97.0	70.8	106.2
131	89.7	72.5	108.7

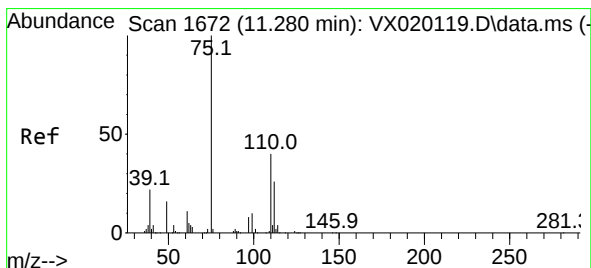
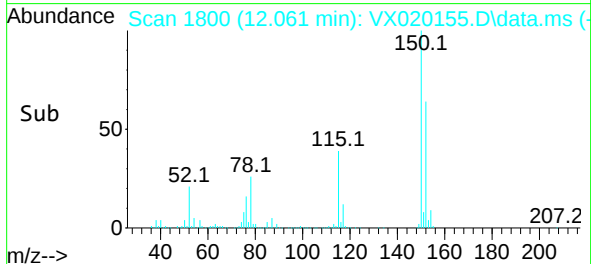
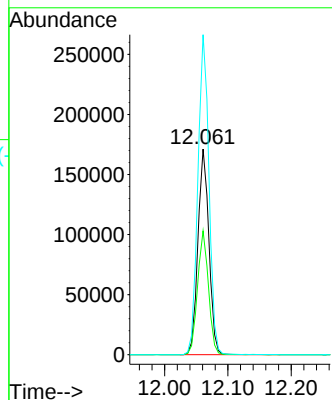
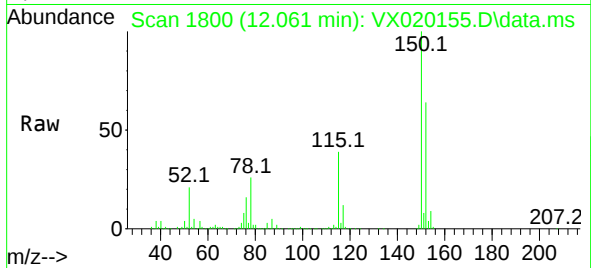




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

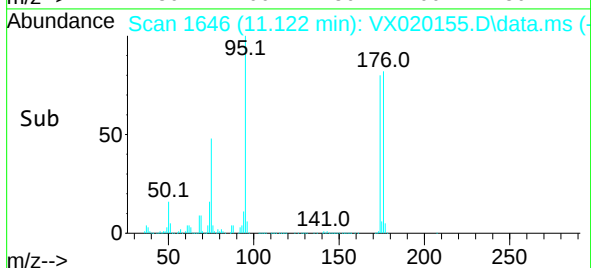
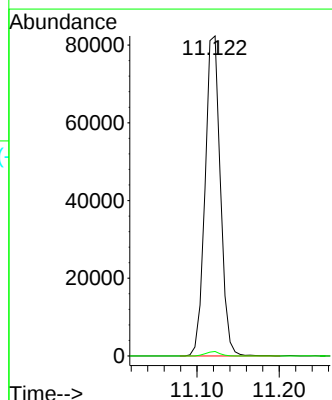
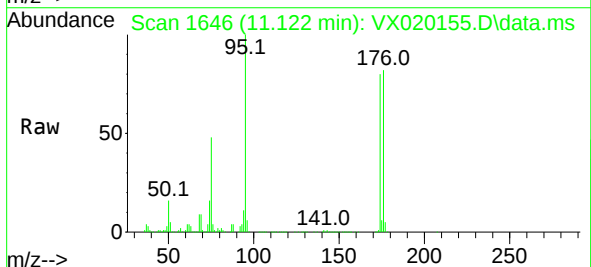
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20201210DL

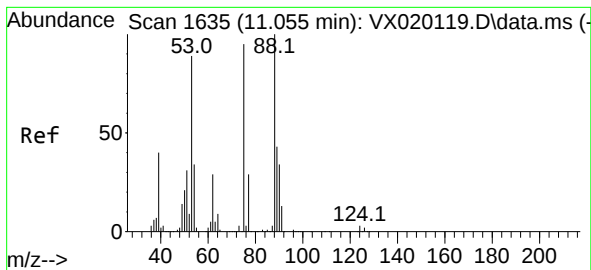
Tgt Ion:152 Resp: 207257
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 156.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 20.80 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020155.D
Acq: 19 Dec 2020 07:24

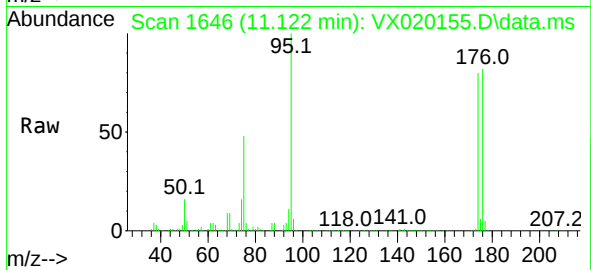
Tgt Ion: 75 Resp: 106183
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.71 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020155.D
 Acq: 19 Dec 2020 07:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20201210DL



Tgt Ion: 75 Resp: 106183
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

