

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020154.D
 Acq On : 19 Dec 2020 07:01
 Operator : JC/MD
 Sample : L5053-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP0420201210

Quant Time: Dec 21 00:12:12 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)

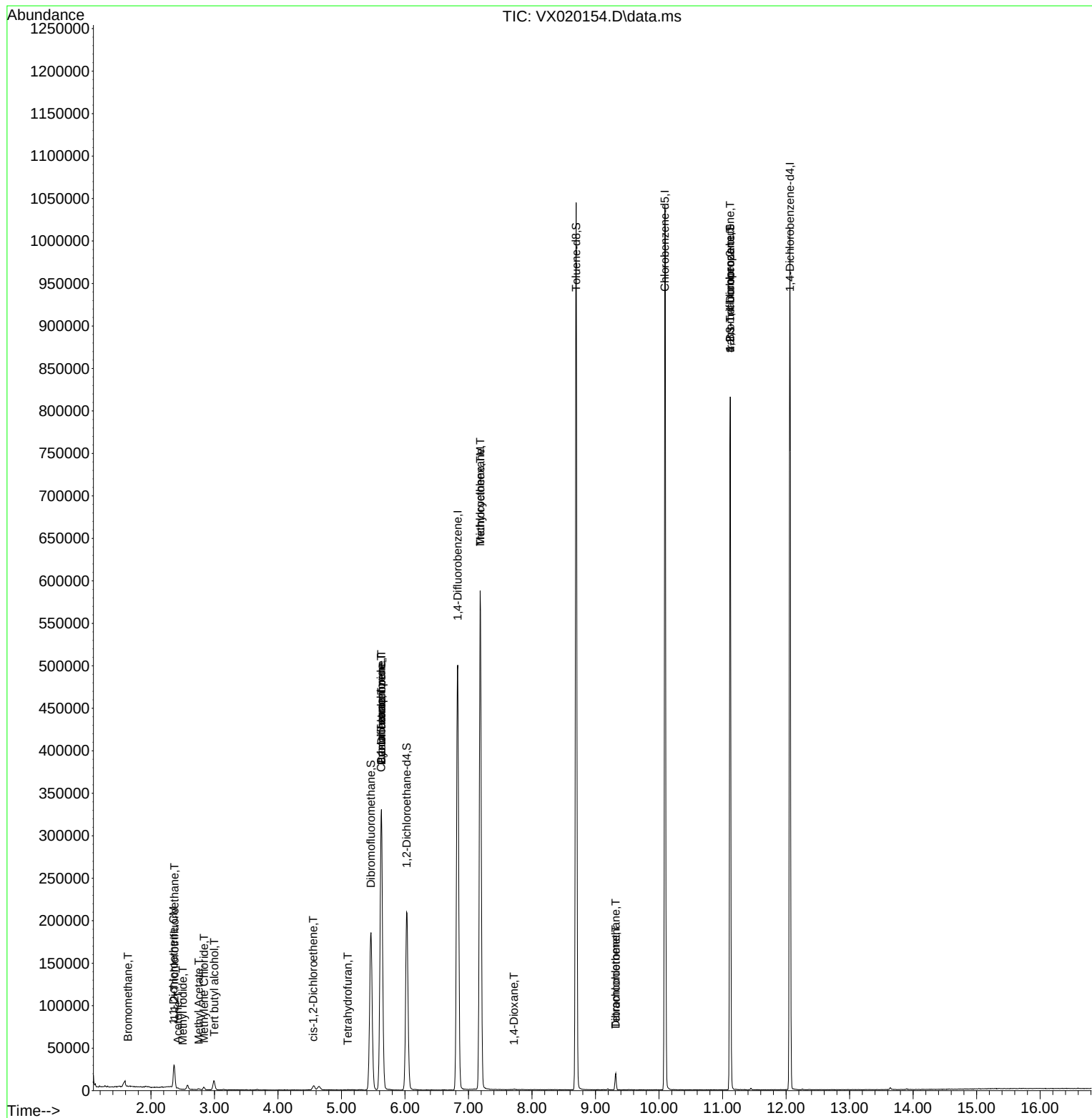
Internal Standards						
1) Pentafluorobenzene	5.629	168	312931	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	516910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	481210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	211262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	201614	48.06	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.12%
35) Dibromofluoromethane	5.464	113	163310	49.39	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.78%
50) Toluene-d8	8.695	98	630830	49.56	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.12%
62) 4-Bromofluorobenzene	11.122	95	226810	46.56	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.12%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	419	0.30	ug/l #	72
9) 1,1,2-Trichlorotrifluo...	2.367	101	9362	3.00	ug/l	99
10) Methyl Iodide	2.501	142	100	3.31	ug/l #	42
11) Tert butyl alcohol	2.995	59	6438	6.85	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	2268	0.71	ug/l	92
16) Acetone	2.422	43	947	0.50	ug/l #	84
18) Methyl Acetate	2.751	43	1333	0.31	ug/l	96
20) Methylene Chloride	2.837	84	1374	0.32	ug/l #	88
27) cis-1,2-Dichloroethene	4.556	96	3447	0.79	ug/l	97
29) Tetrahydrofuran	5.098	42	392	0.22	ug/l #	40
31) Cyclohexane	5.629	56	5955	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23828	4.66	ug/l #	48
38) Carbon Tetrachloride	5.623	117	30681	6.31	ug/l #	17
39) Methylcyclohexane	7.184	83	2816	0.48	ug/l #	1
44) Trichloroethene	7.184	130	230668	56.11	ug/l	99
49) 1,4-Dioxane	7.714	88	483	5.02	ug/l #	81
60) Dibromochloromethane	9.317	129	3471	0.87	ug/l #	11
64) Tetrachloroethene	9.317	164	3706	1.02	ug/l	92
76) 1,2,3-Trichloropropane	11.122	75	108493	20.85	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	108493	61.85	ug/l #	12

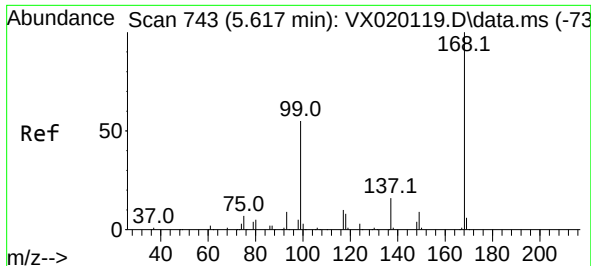
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 00:12:12 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

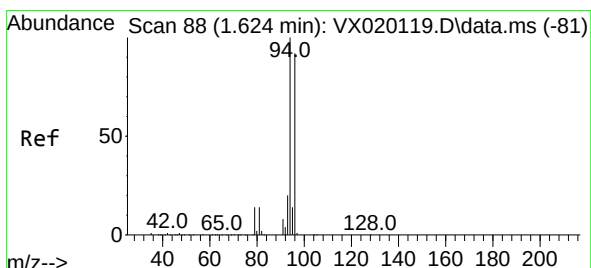
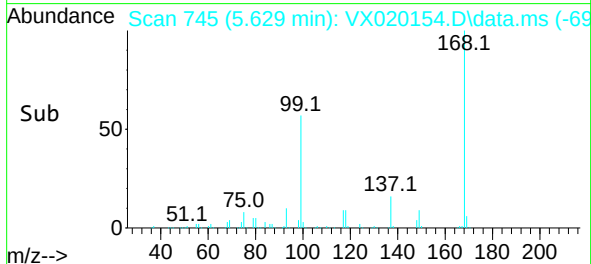
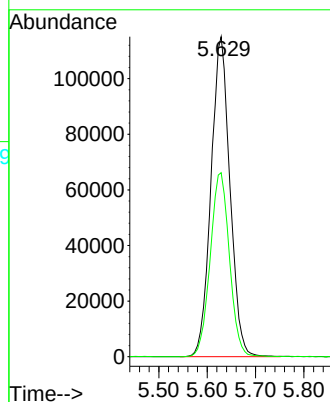
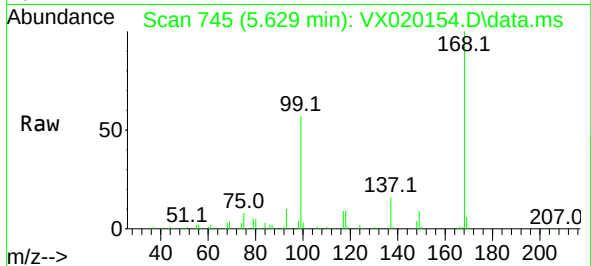




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

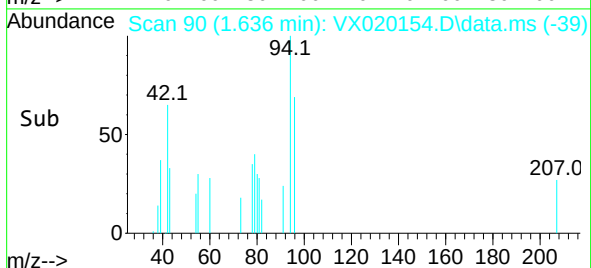
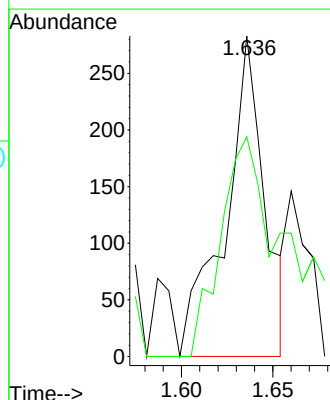
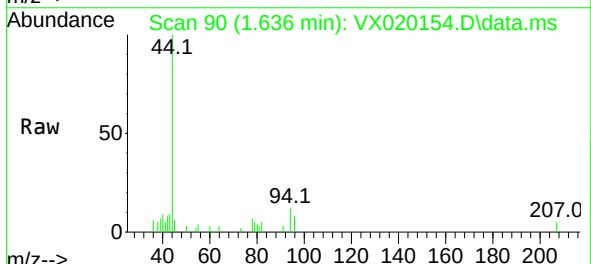
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

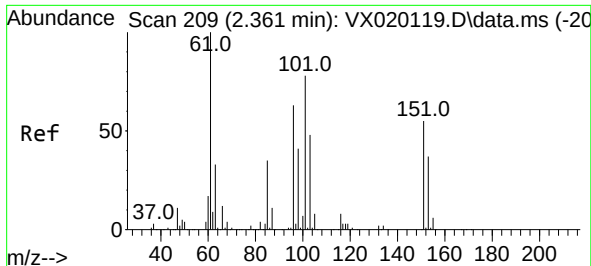
Tgt Ion:168 Resp: 312931
Ion Ratio Lower Upper
168 100
99 57.5 45.8 68.6



#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 94 Resp: 419
Ion Ratio Lower Upper
94 100
96 68.6 76.4 114.6#

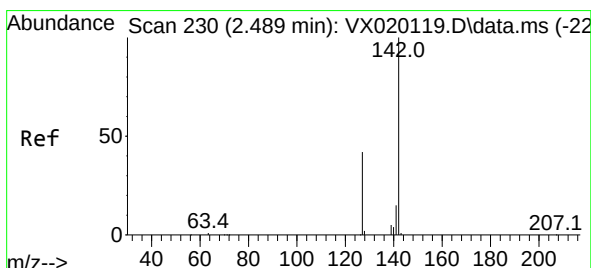
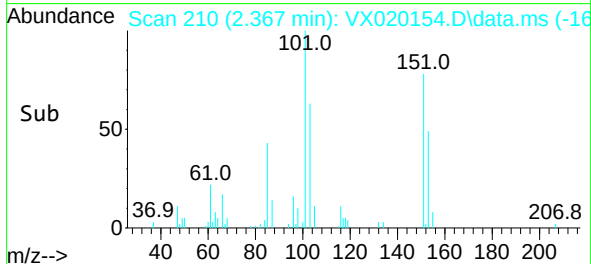
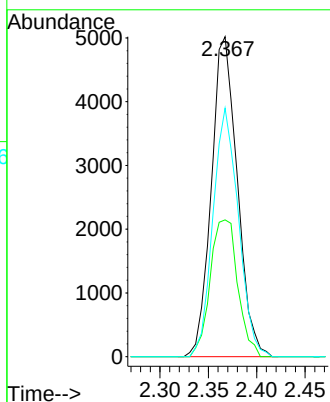
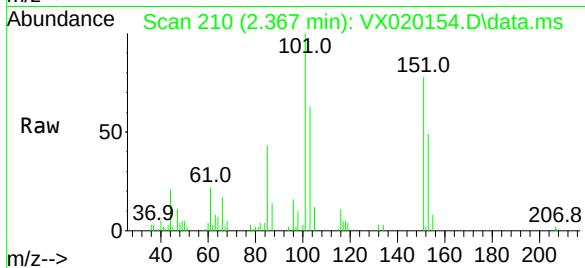




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.00 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

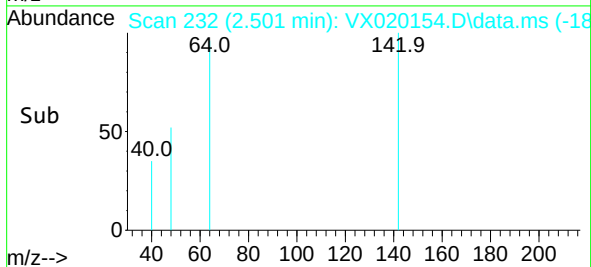
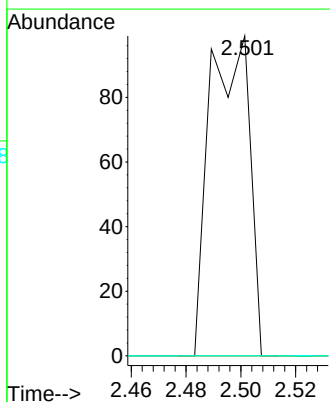
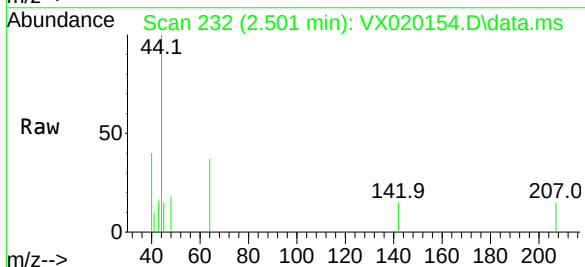
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

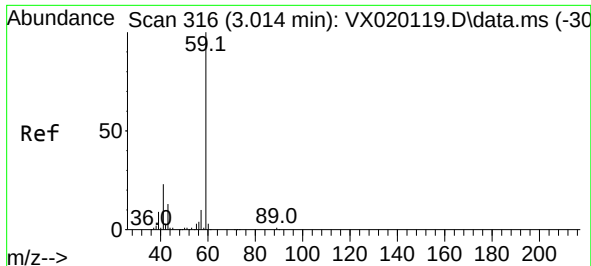
Tgt Ion:101 Resp: 9362
Ion Ratio Lower Upper
101 100
85 45.4 34.9 52.3
151 76.4 61.4 92.2



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

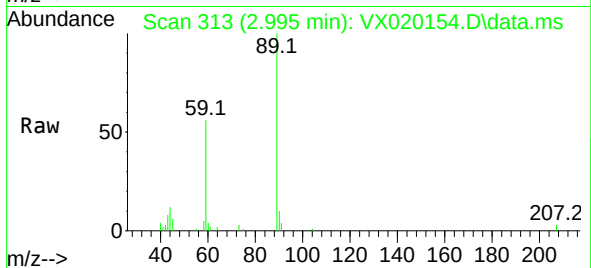
Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



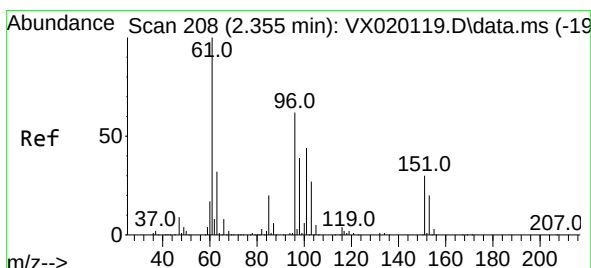
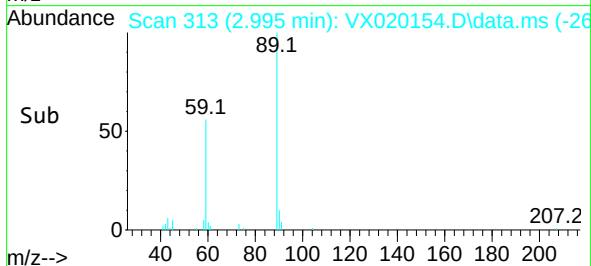
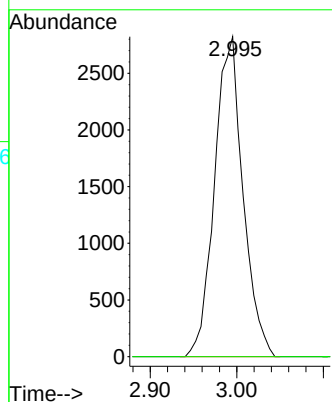


#11
Tert butyl alcohol
Concen: 6.85 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

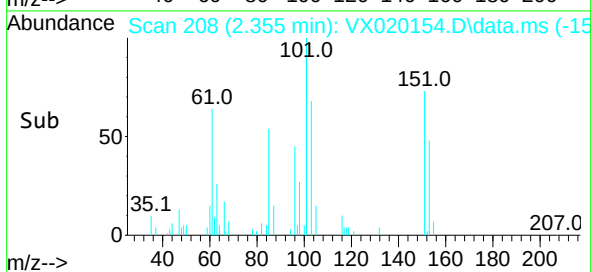
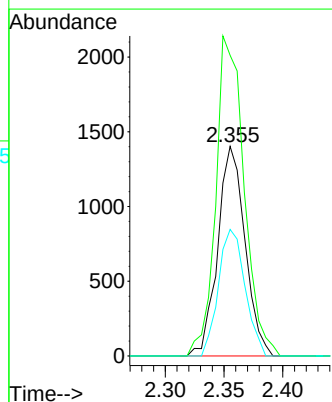
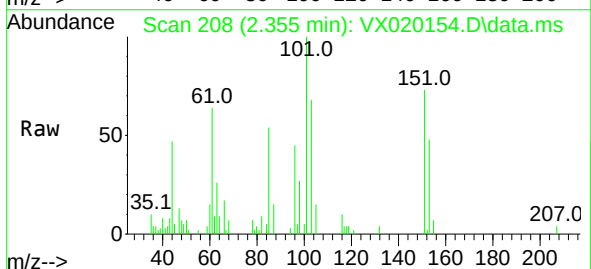


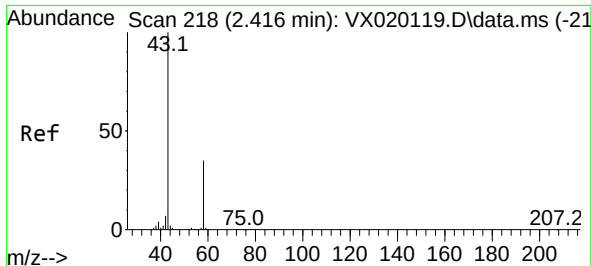
Tgt Ion: 59 Resp: 6438
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.71 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 96 Resp: 2268
Ion Ratio Lower Upper
96 100
61 143.4 124.6 187.0
98 60.4 50.6 76.0

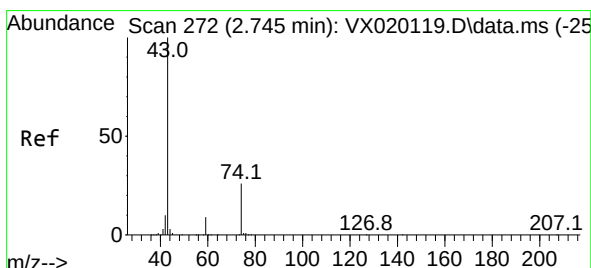
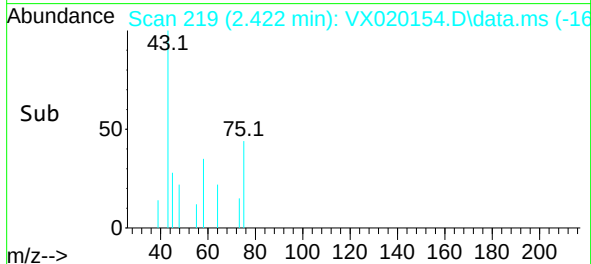
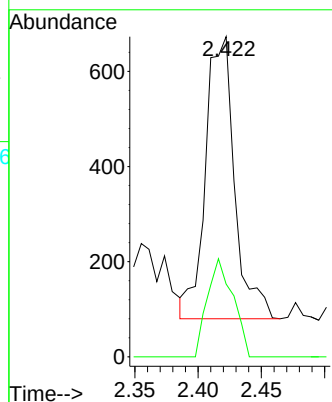
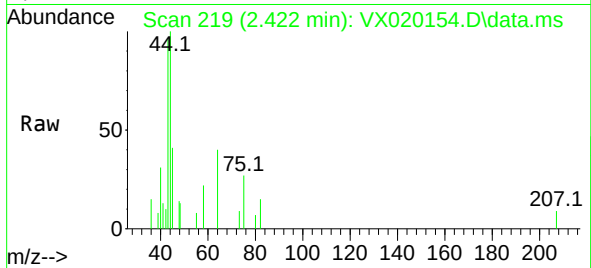




#16
Acetone
Concen: 0.50 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

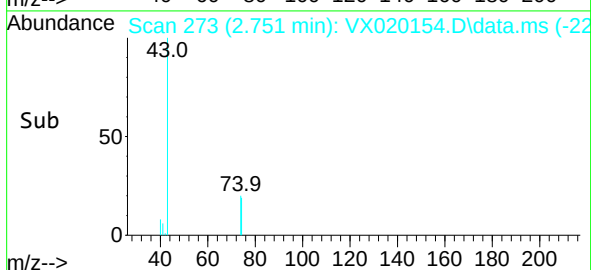
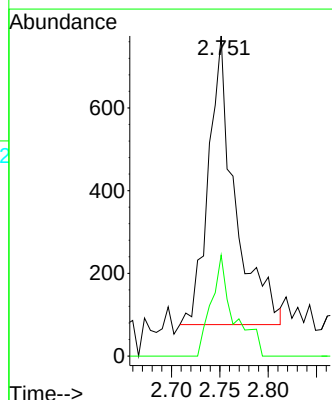
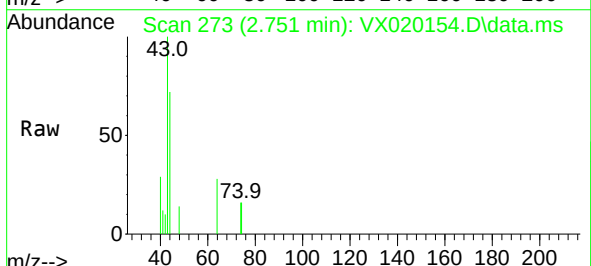
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

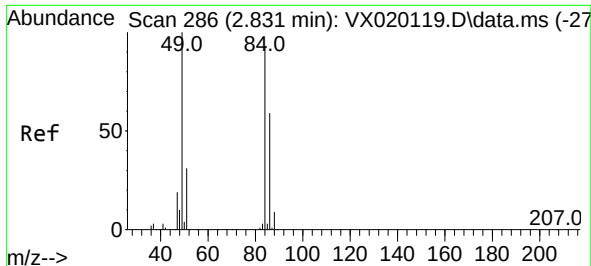
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

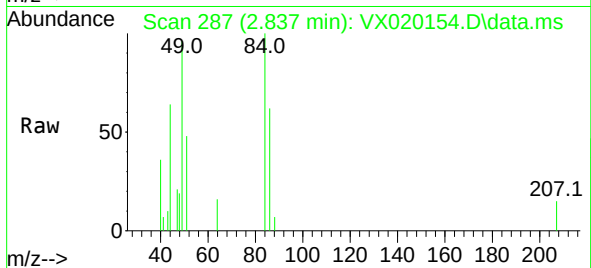
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
74 29.7 21.9 32.9



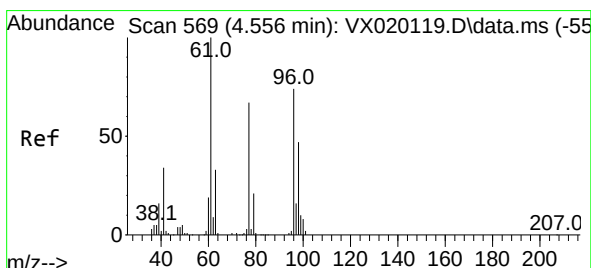
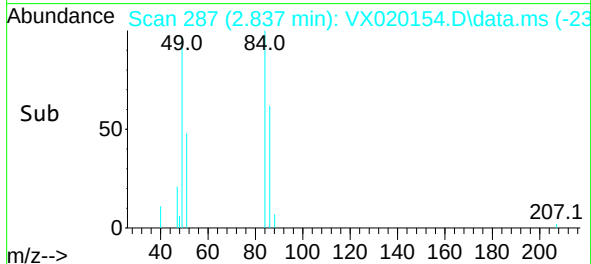
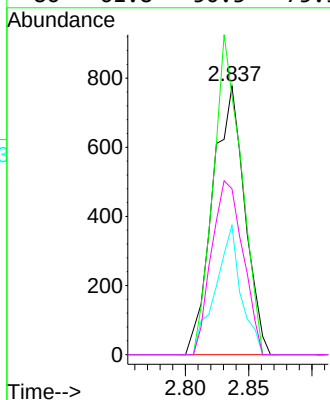


#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

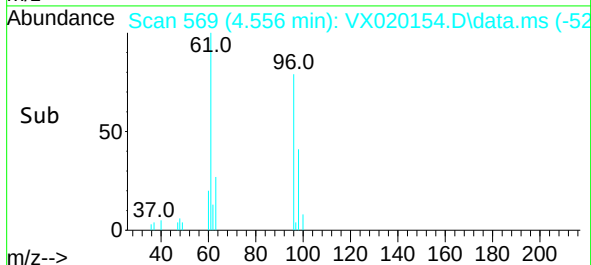
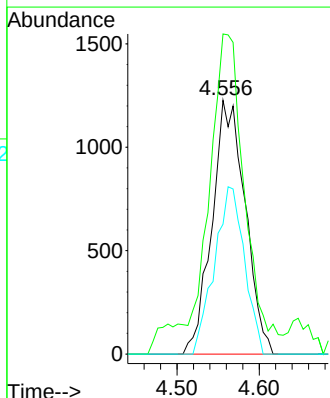
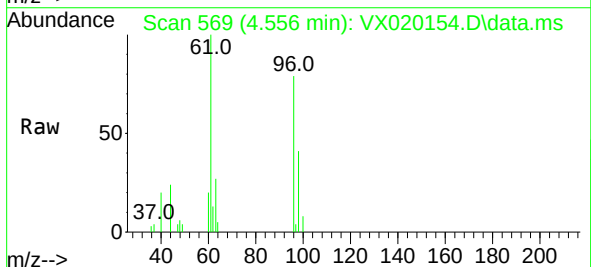


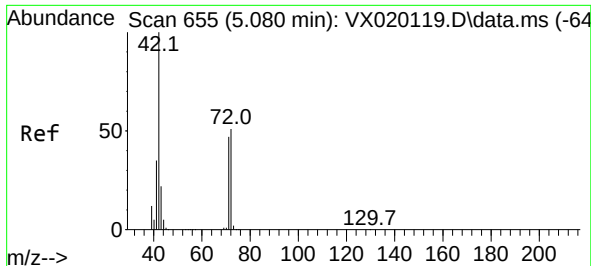
Tgt Ion: 84	Resp: 1374
Ion Ratio	Lower Upper
84	100
49	96.3 88.6 132.8
51	48.1 27.0 40.6#
86	61.8 50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 0.79 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 96	Resp: 3447
Ion Ratio	Lower Upper
96	100
61	143.8 0.0 285.6
98	59.5 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.22 ug/l

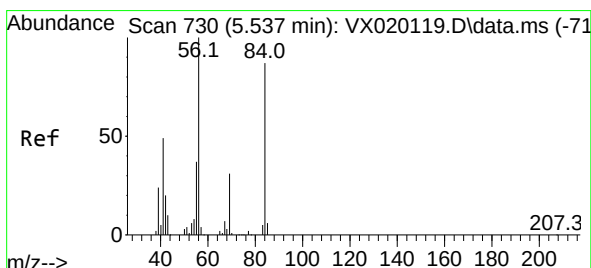
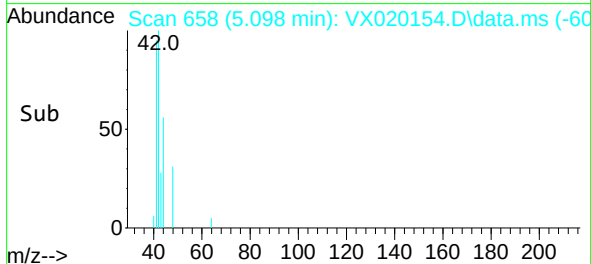
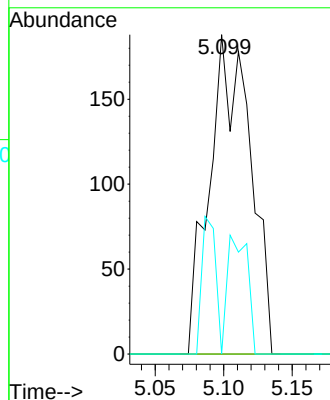
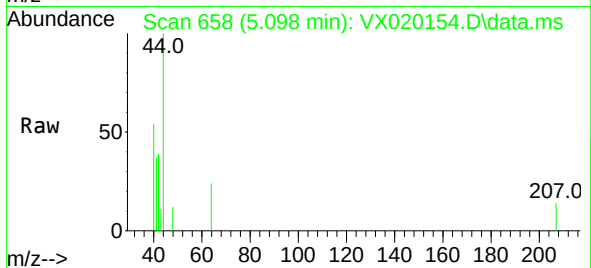
RT: 5.098 min Scan# 658

Delta R.T. 0.018 min

Lab File: VX020154.D

Acq: 19 Dec 2020 07:01

Tgt Ion:	42	Resp:	392
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	18.1	38.4	57.6#



#31

Cyclohexane

Concen: 1.03 ug/l

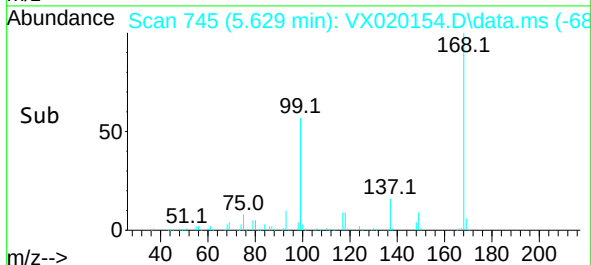
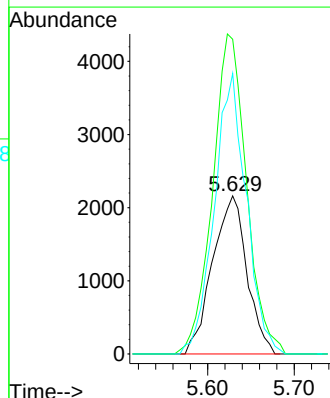
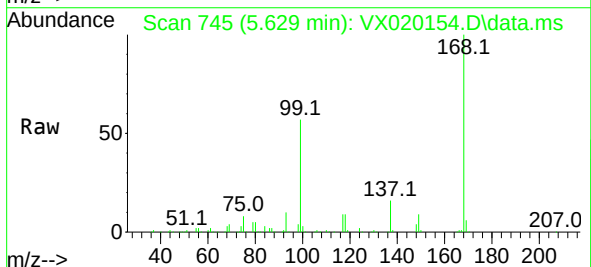
RT: 5.629 min Scan# 745

Delta R.T. 0.092 min

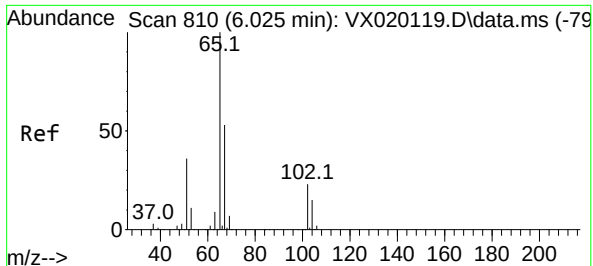
Lab File: VX020154.D

Acq: 19 Dec 2020 07:01

Tgt Ion:	56	Resp:	5955
Ion	Ratio	Lower	Upper
56	100		
69	196.4	25.3	37.9#
84	177.3	71.4	107.0#



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#33

1,2-Dichloroethane-d4

Concen: 48.06 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020154.D

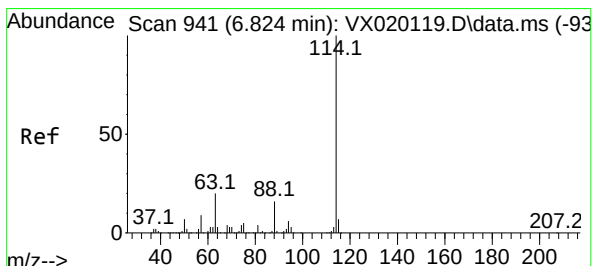
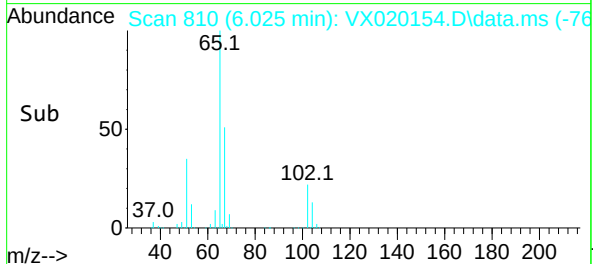
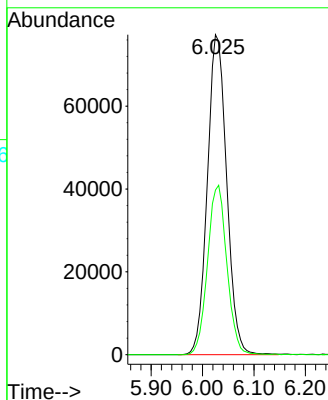
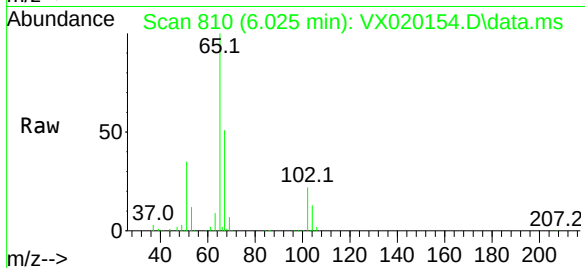
Acq: 19 Dec 2020 07:01

Tgt Ion: 65 Resp: 201614

Ion Ratio Lower Upper

65 100

67 52.9 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: VX020154.D

Acq: 19 Dec 2020 07:01

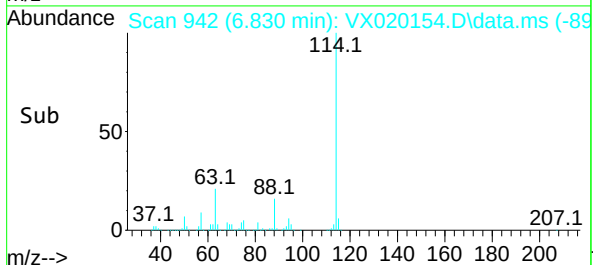
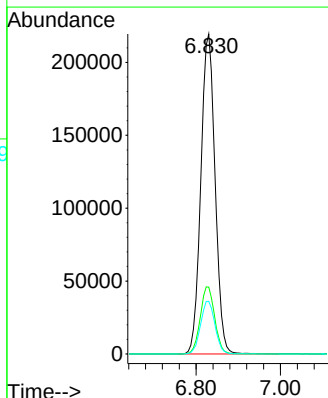
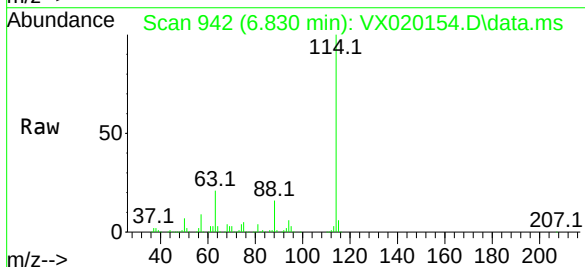
Tgt Ion: 114 Resp: 516910

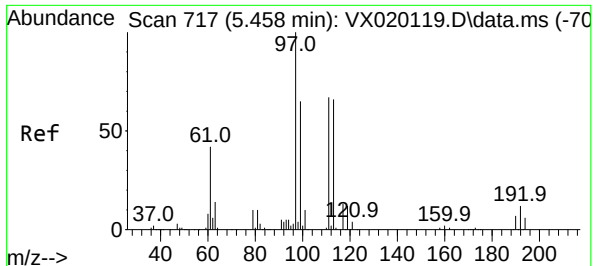
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.5 0.0 32.8

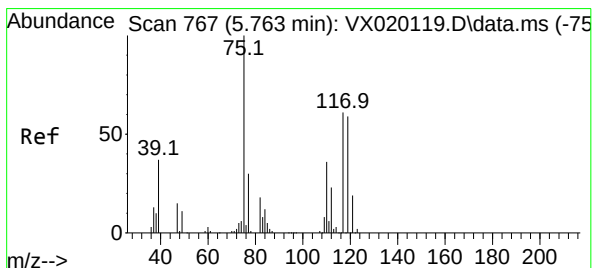
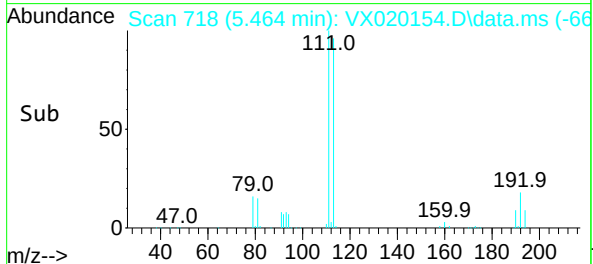
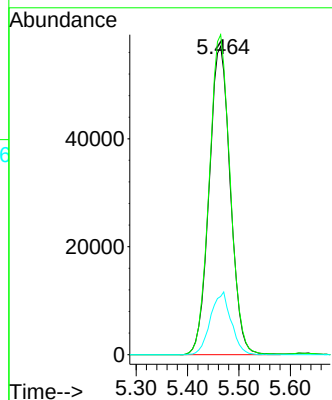
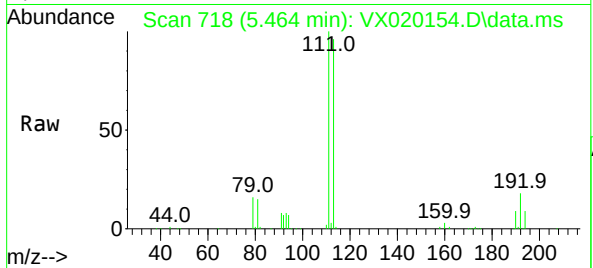




#35
Dibromofluoromethane
Concen: 49.39 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

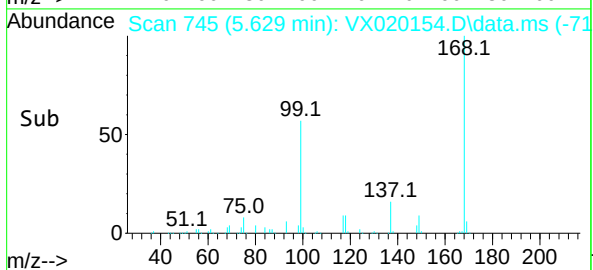
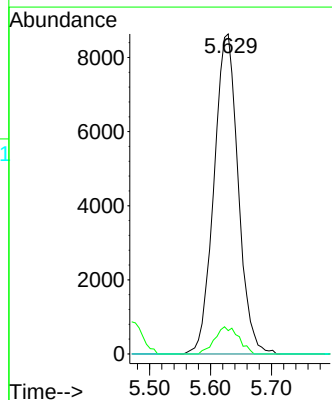
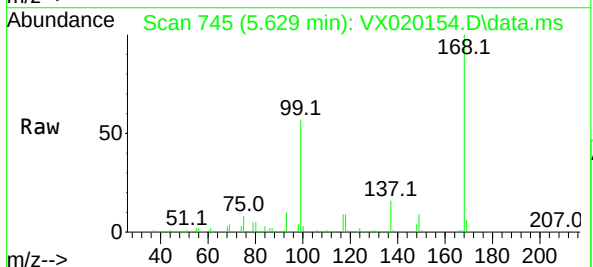
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

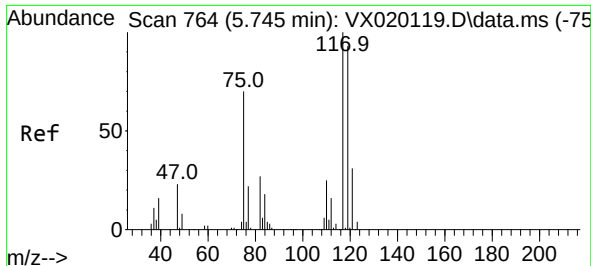
Tgt Ion:113 Resp: 163310
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

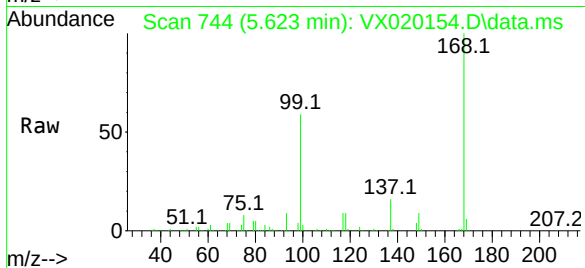
Tgt Ion: 75 Resp: 23828
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



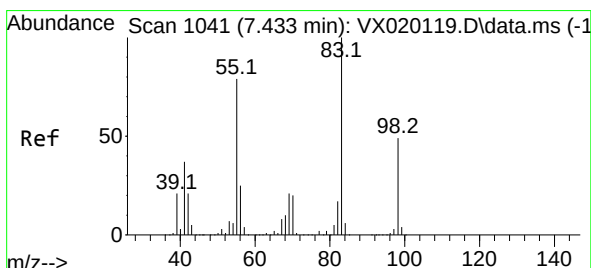
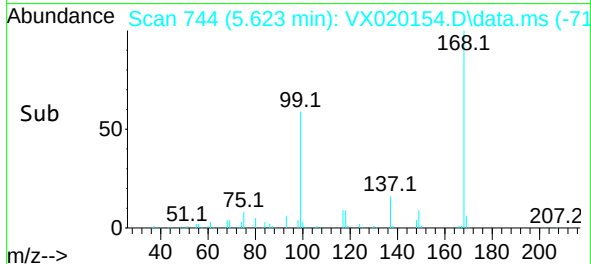
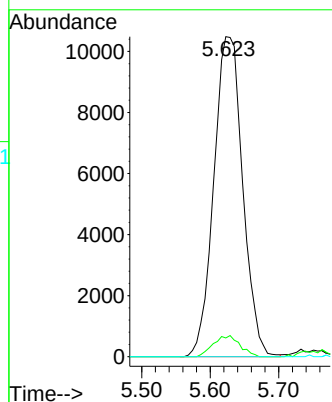


#38
Carbon Tetrachloride
Concen: 6.31 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

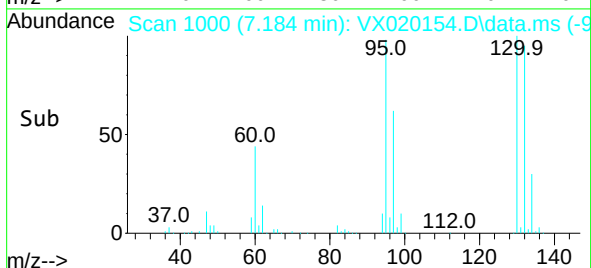
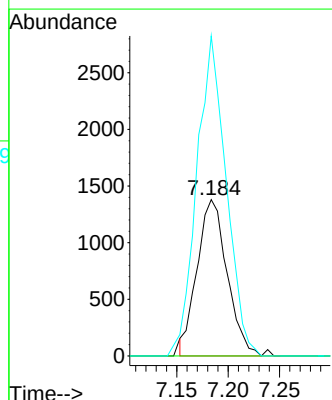
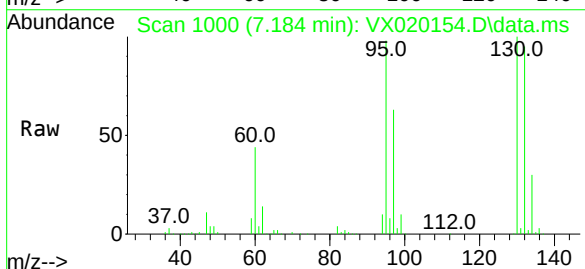


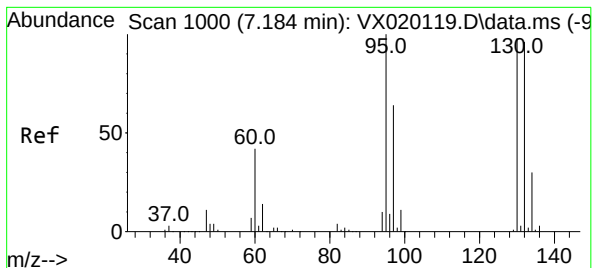
Tgt Ion:117 Resp: 30681
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.48 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 83 Resp: 2816
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 204.7 38.1 57.1#





#44

Trichloroethene

Concen: 56.11 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.000 min

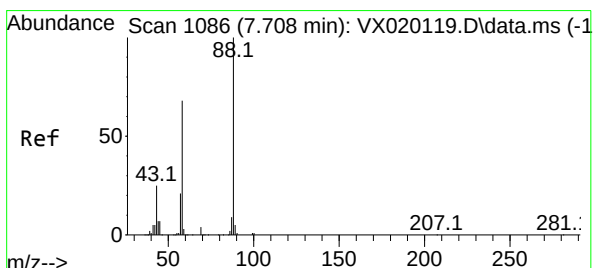
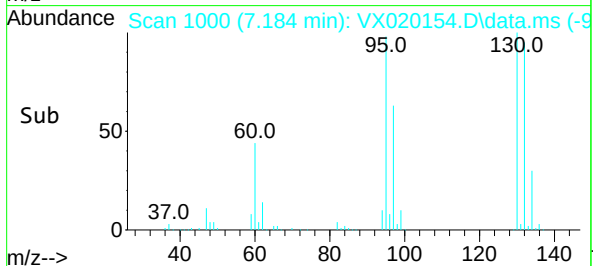
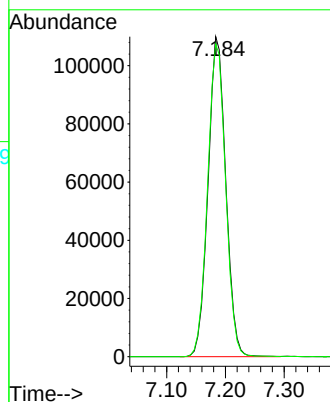
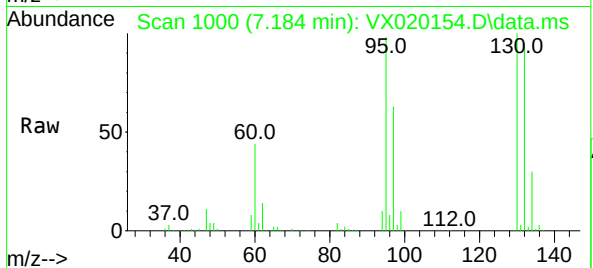
Lab File: VX020154.D

Acq: 19 Dec 2020 07:01

Tgt Ion:130 Resp: 230668

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	198.0



#49

1,4-Dioxane

Concen: 5.02 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.006 min

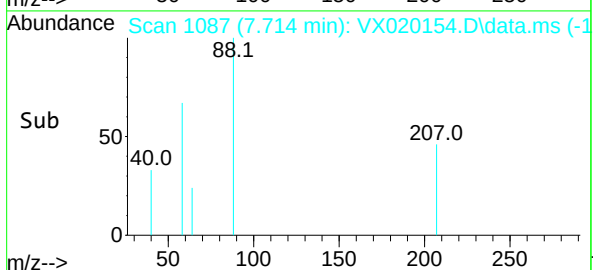
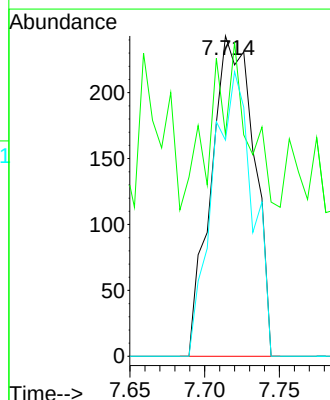
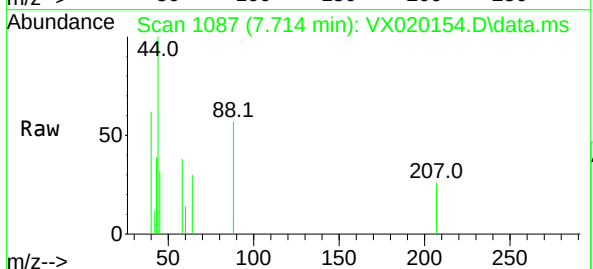
Lab File: VX020154.D

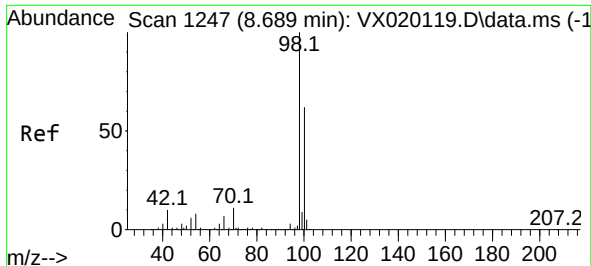
Acq: 19 Dec 2020 07:01

Tgt Ion: 88 Resp: 483

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
88	100		
43	40.6	23.2	34.8#
58	83.0	55.0	82.4#

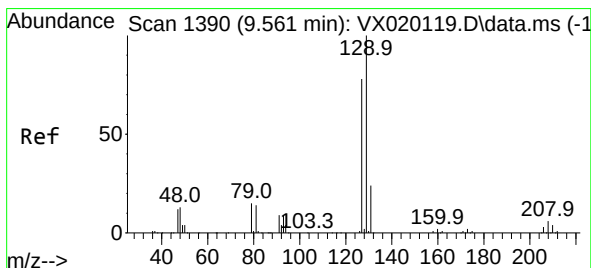
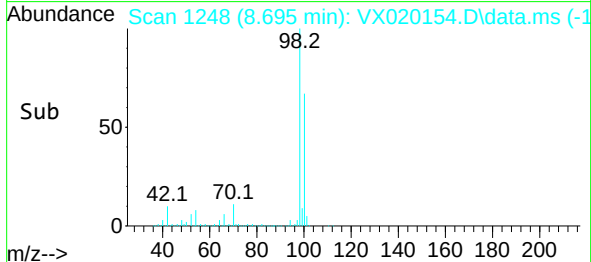
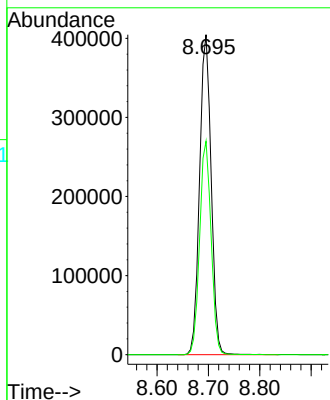
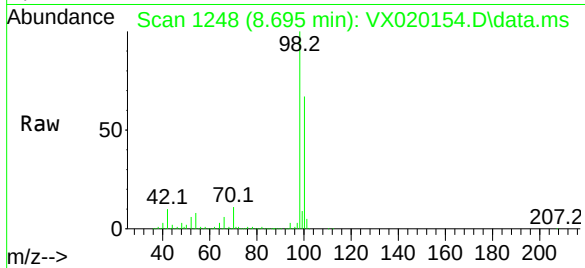




#50
Toluene-d8
Concen: 49.56 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

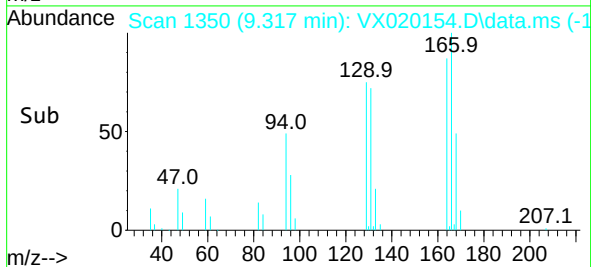
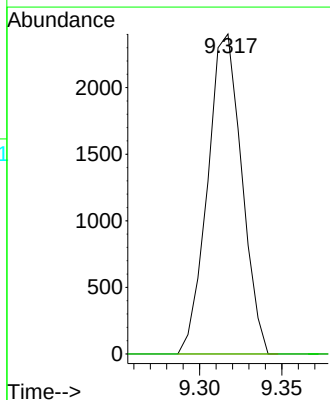
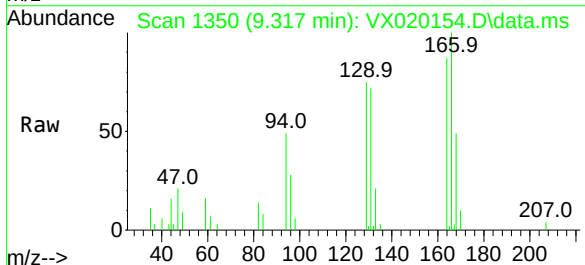
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

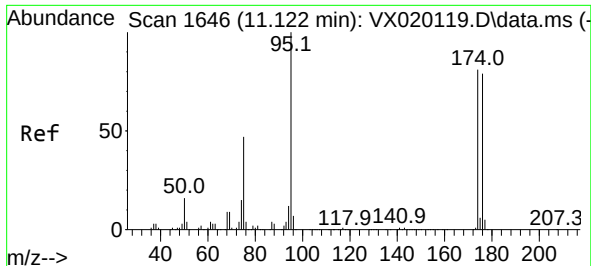
Tgt Ion: 98 Resp: 630830
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#60
Dibromochloromethane
Concen: 0.87 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 129 Resp: 3471
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

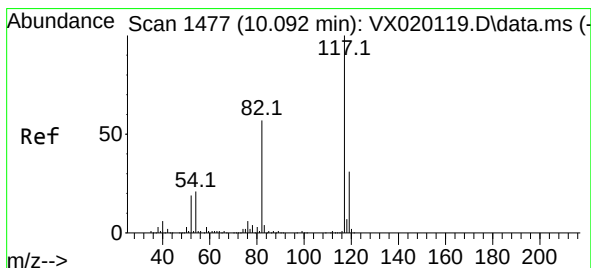
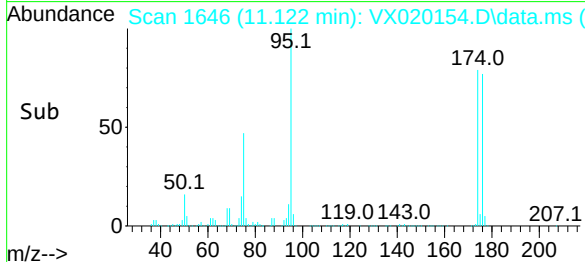
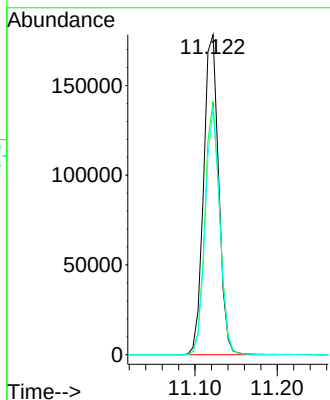
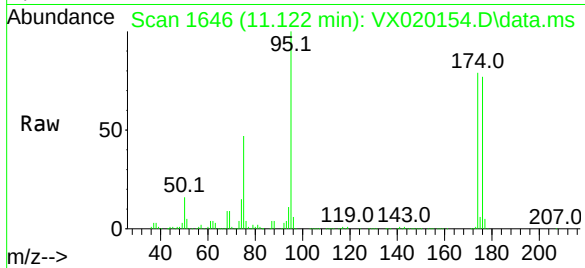




#62
4-Bromofluorobenzene
Concen: 46.56 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

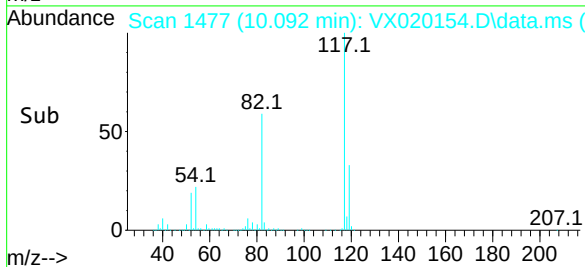
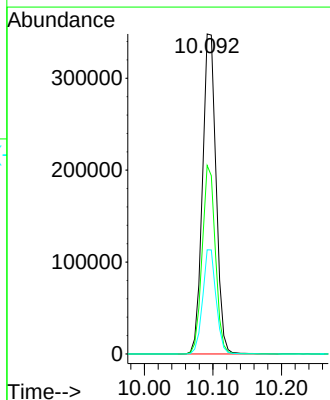
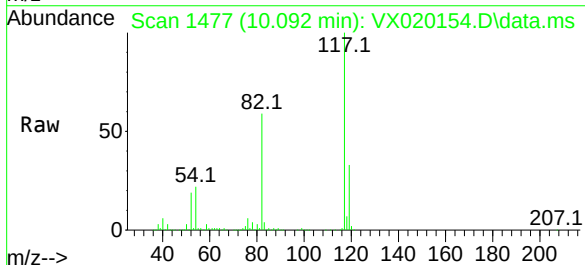
Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

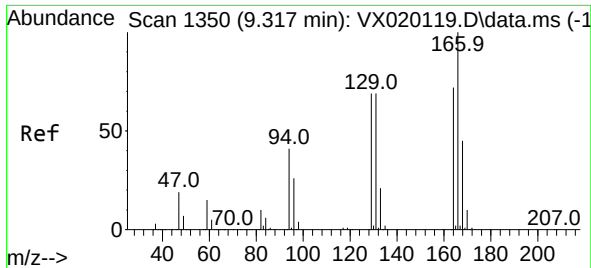
Tgt Ion: 95 Resp: 226810
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 74.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 117 Resp: 481210
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.6 26.6 39.8



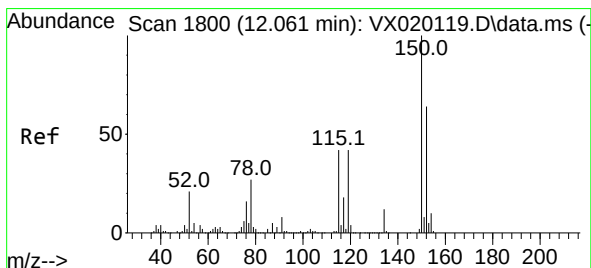
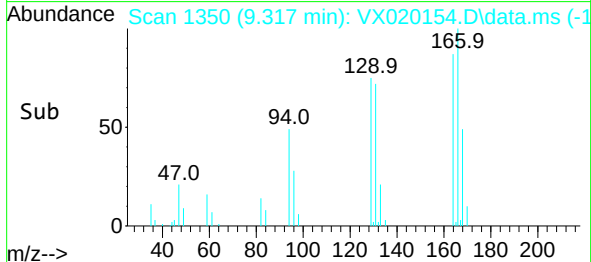
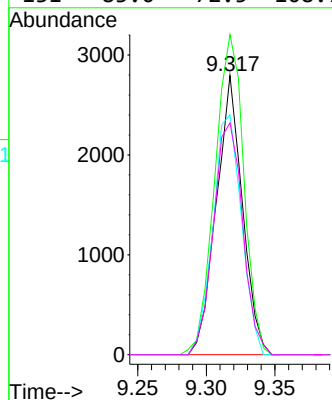
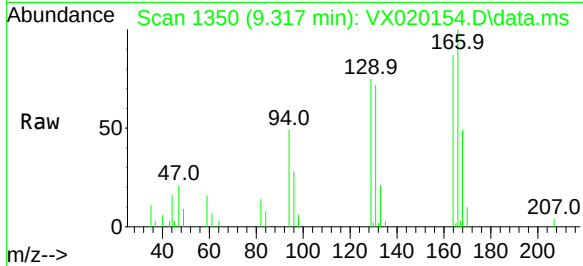


#64
Tetrachloroethene
Concen: 1.02 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

Tgt Ion:164 Resp: 3706

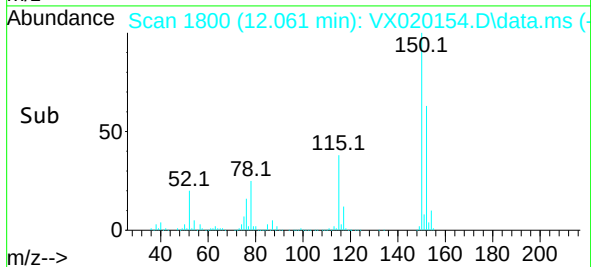
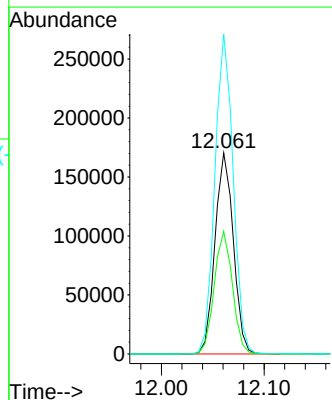
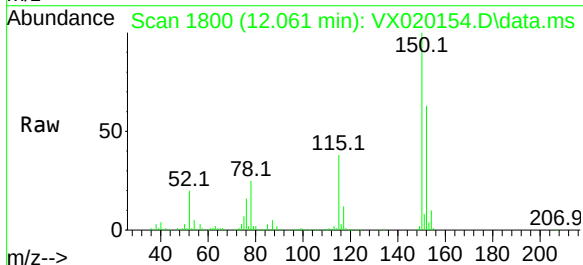
Ion	Ratio	Lower	Upper
164	100		
166	114.6	103.4	155.2
129	85.9	70.8	106.2
131	83.0	72.5	108.7

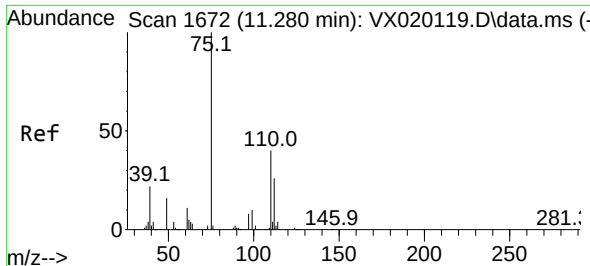


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion:152 Resp: 211262

Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.1	123.3
150	158.0	0.0	349.0

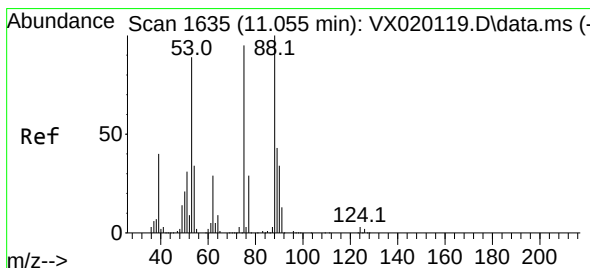
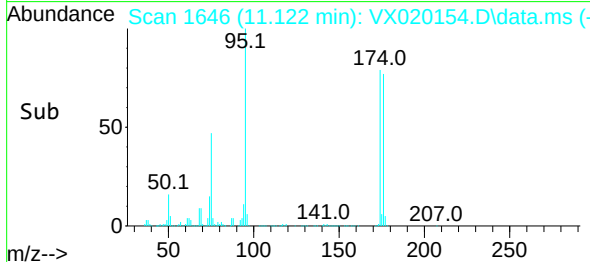
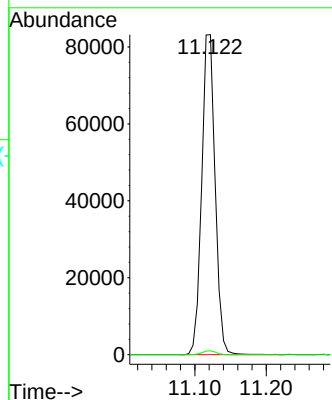
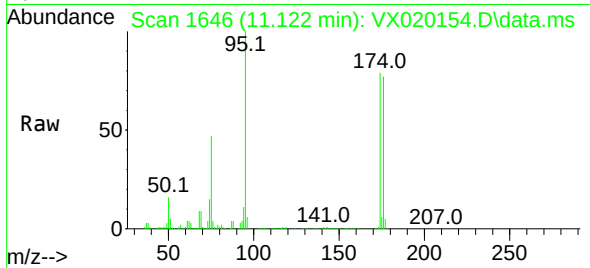




#76
1,2,3-Trichloropropane
Concen: 20.85 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
DUP0420201210

Tgt Ion: 75 Resp: 108493
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.85 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020154.D
Acq: 19 Dec 2020 07:01

Tgt Ion: 75 Resp: 108493
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

