

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020311.D
 Acq On : 22 Dec 2020 18:13
 Operator : JC/MD
 Sample : L5123-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20201214

Quant Time: Dec 23 00:33:47 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	280639	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	475556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.097	117	434350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	190080	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	184403	49.02	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.04%
35) Dibromofluoromethane	5.464	113	148731	48.89	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.78%
50) Toluene-d8	8.695	98	569677	48.65	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.30%
62) 4-Bromofluorobenzene	11.122	95	206293	46.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.06%

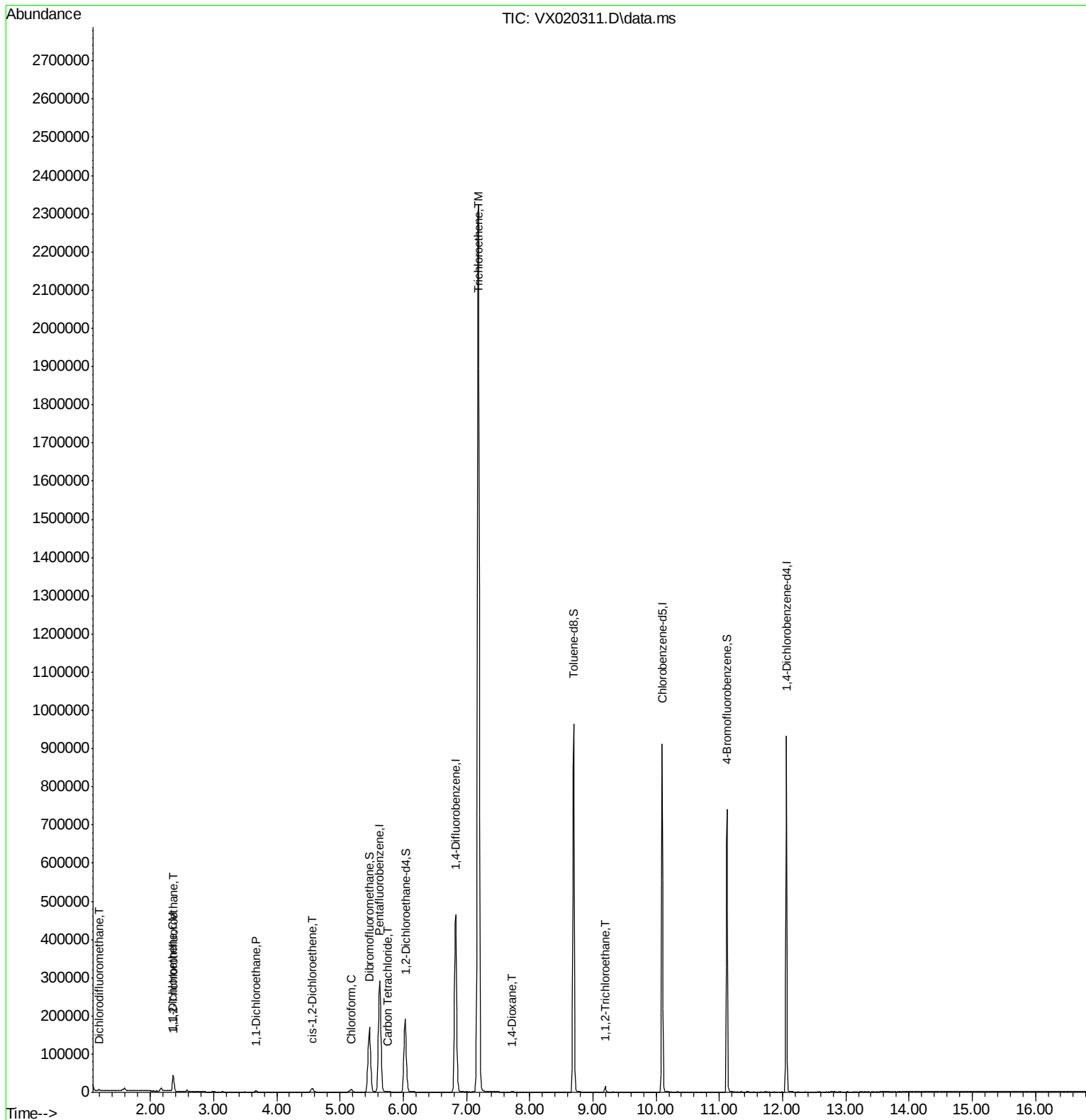
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	1662	0.55	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.367	101	10894	3.89	ug/l	97
12) 1,1-Dichloroethene	2.355	96	6817	2.38	ug/l	94
24) 1,1-Dichloroethane	3.666	63	3415	0.56	ug/l	98
27) cis-1,2-Dichloroethene	4.562	96	6545	1.67	ug/l	87
30) Chloroform	5.172	83	8354	1.34	ug/l	95
38) Carbon Tetrachloride	5.745	117	2322	0.52	ug/l	93
44) Trichloroethene	7.189	130	908688	240.28	ug/l	98
49) 1,4-Dioxane	7.714	88	810	9.16	ug/l #	73
55) 1,1,2-Trichloroethane	9.195	97	4180	1.14	ug/l	96

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

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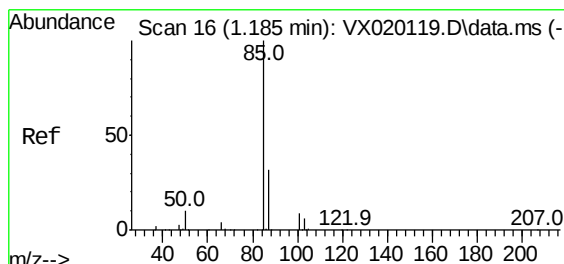
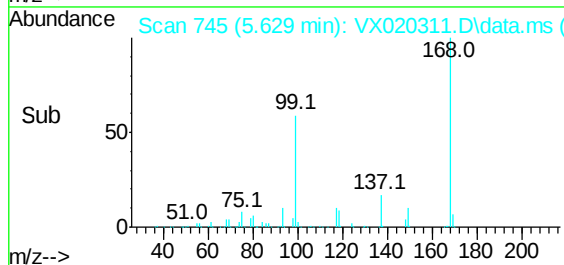
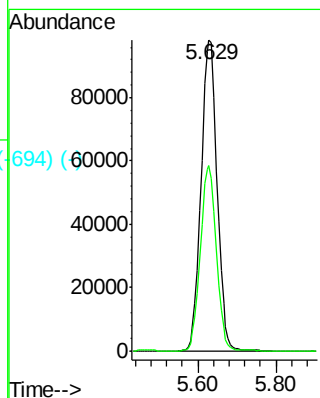
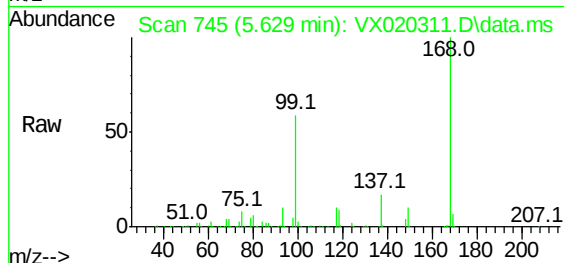




Scan 743 (5.617 min): VX020119.D\data.ms (-750) (-)
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.629 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VX020311.D
 Acq: 22 Dec 2020 18:13

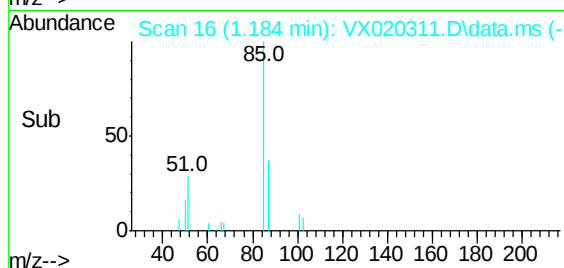
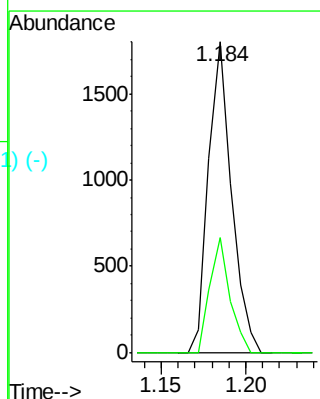
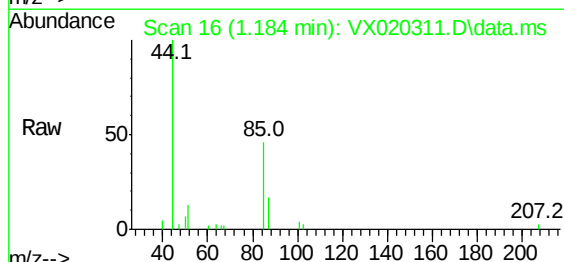
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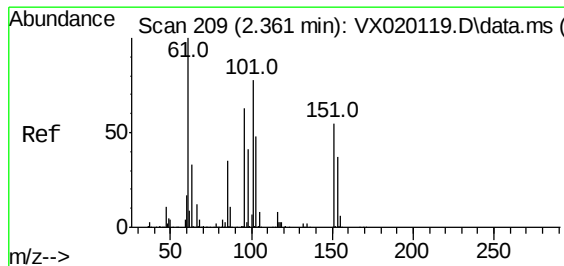
Tgt Ion:168 Resp: 280639
 Ion Ratio Lower Upper
 168 100
 99 59.5 45.8 68.6



Scan 16 (1.185 min): VX020119.D\data.ms (-1172) (-)
 Dichlorodifluoromethane
 Concen: 0.55 ug/l
 RT: 1.184 min Scan# 16
 Delta R.T. -0.001 min
 Lab File: VX020311.D
 Acq: 22 Dec 2020 18:13

Tgt Ion: 85 Resp: 1662
 Ion Ratio Lower Upper
 85 100
 87 37.1 16.4 49.2

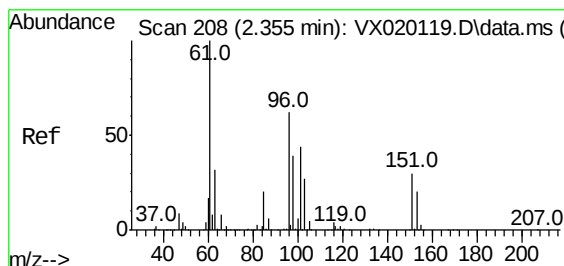
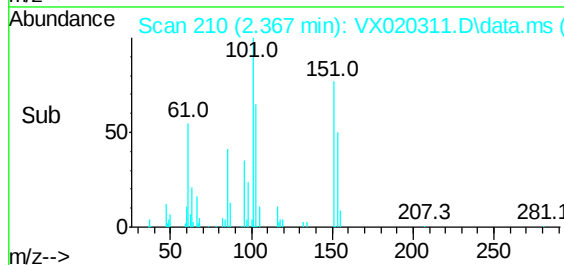
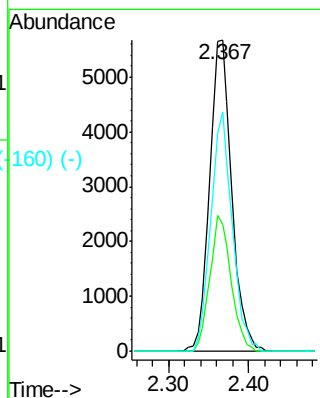
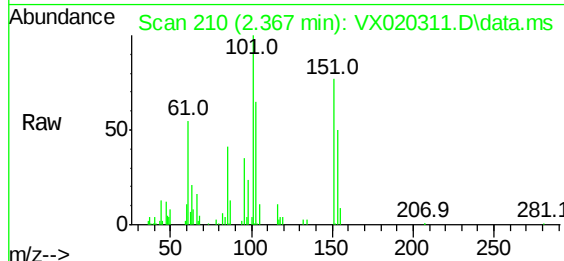




1,1,2-Trichlorotrifluoroethane
Concen: 3.89 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

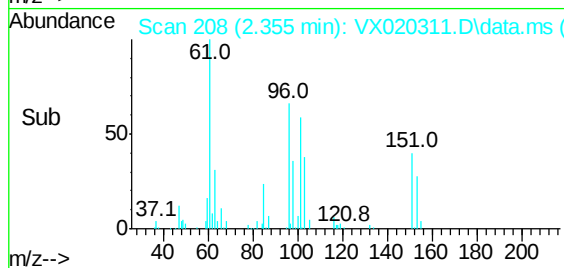
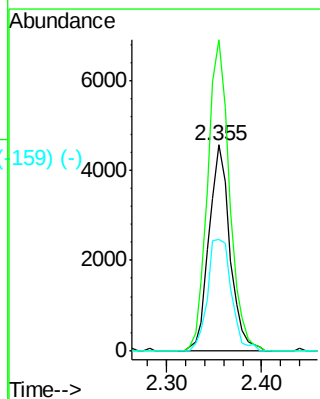
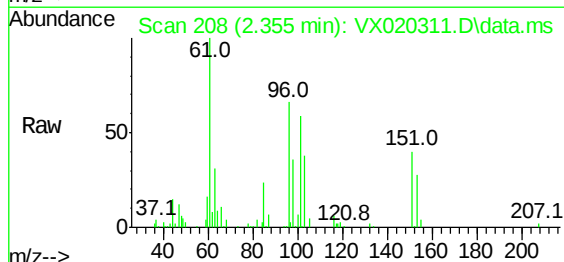
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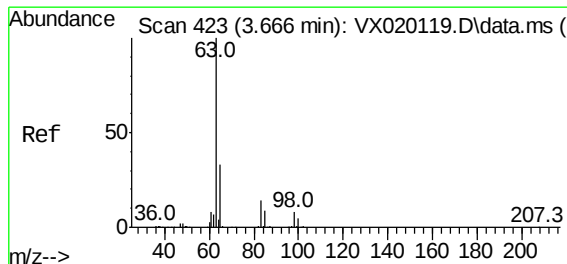
Tgt Ion:101 Resp: 10894
Ion Ratio Lower Upper
101 100
85 41.6 34.9 52.3
151 74.6 61.4 92.2



1,1-Dichloroethene
Concen: 2.38 ug/l
RT: 2.355 min Scan# 208
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 96 Resp: 6817
Ion Ratio Lower Upper
96 100
61 151.2 124.6 187.0
98 54.3 50.6 76.0

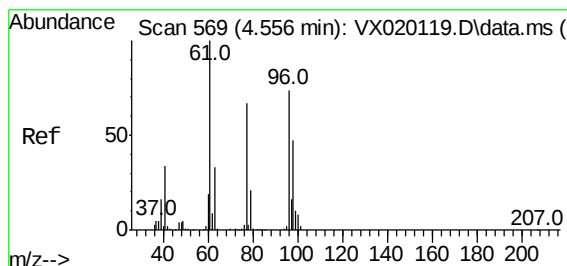
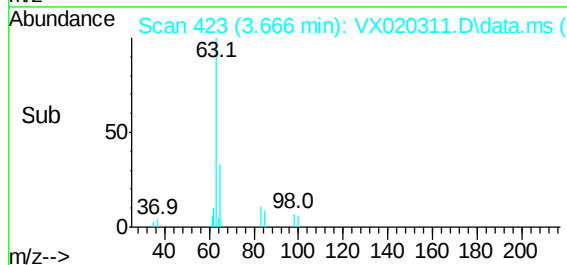
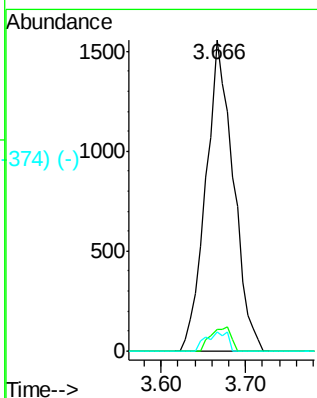
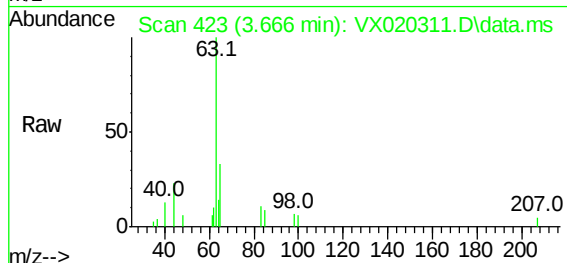




1,1-Dichloroethane
Concen: 0.56 ug/l
RT: 3.666 min Scan# 423
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

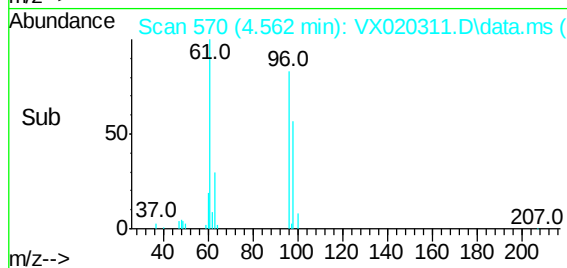
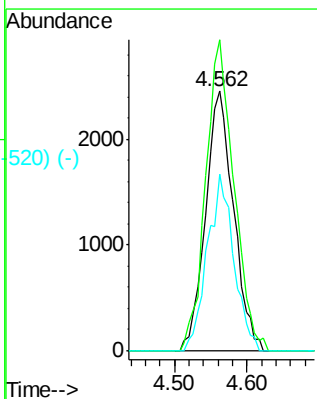
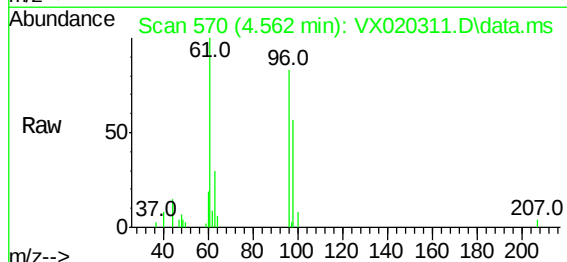
Instrument :
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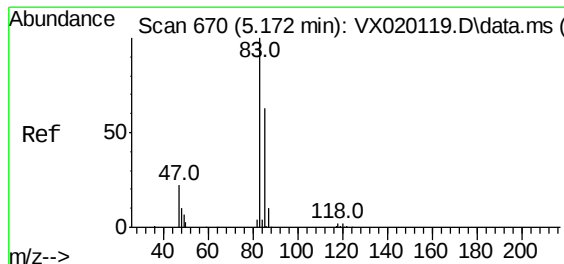
Tgt Ion:	63	Resp:	3415
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	6.0	2.5	7.5



cis-1,2-Dichloroethene
Concen: 1.67 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion:	96	Resp:	6545
Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	285.6
98	64.0	0.0	129.6

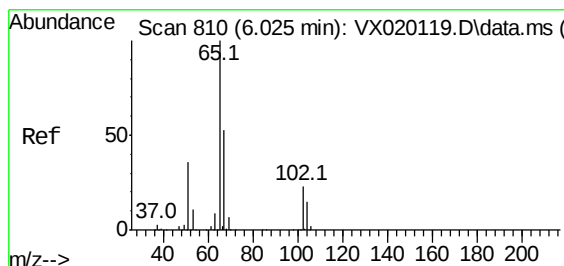
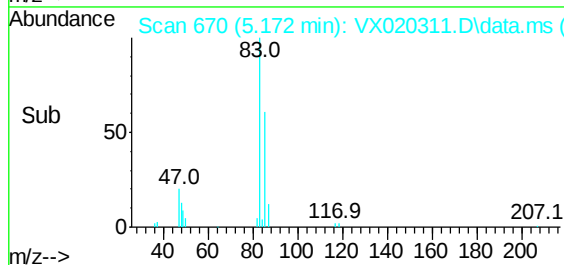
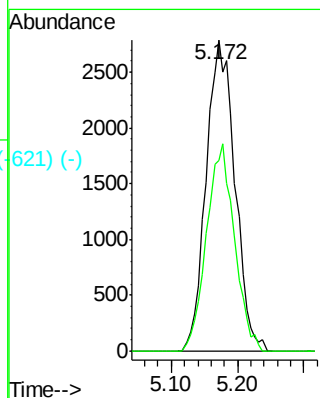
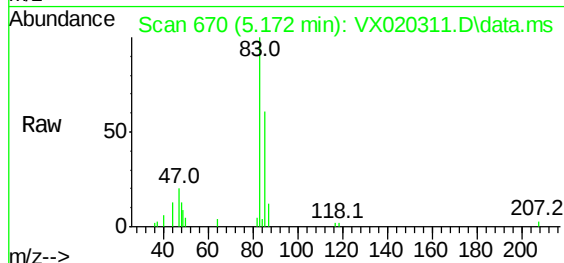




#69 (-)
Chloroform
Concen: 1.34 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

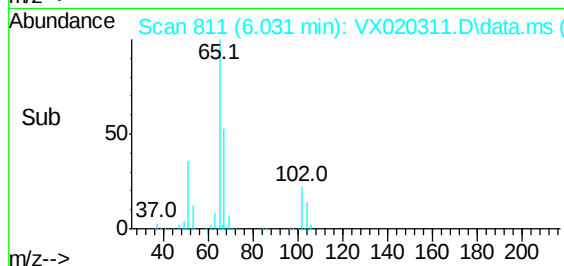
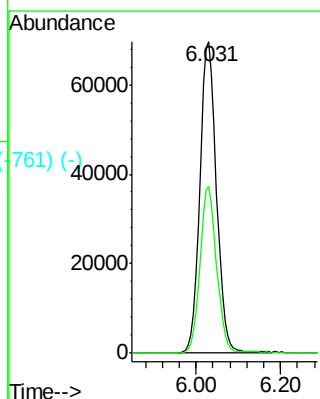
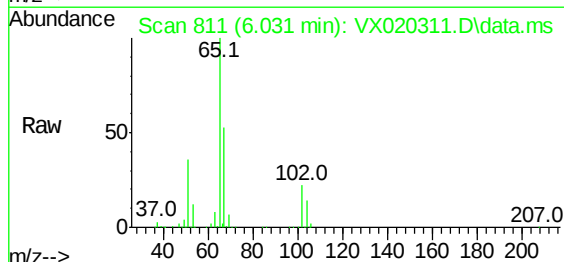
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ClientSampleId :
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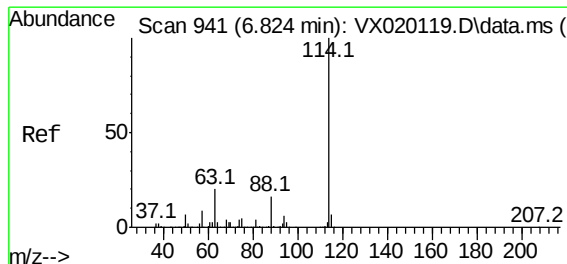
Tgt Ion: 83 Resp: 8354
Ion Ratio Lower Upper
83 100
85 61.3 52.0 78.0



#83 (-)
1,2-Dichloroethane-d4
Concen: 49.02 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion: 65 Resp: 184403
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

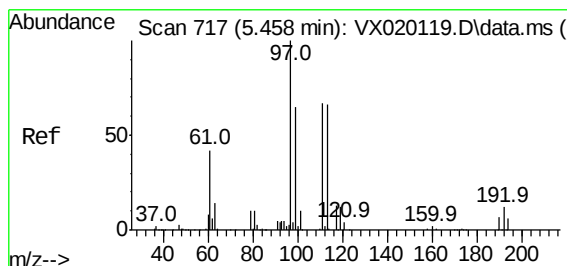
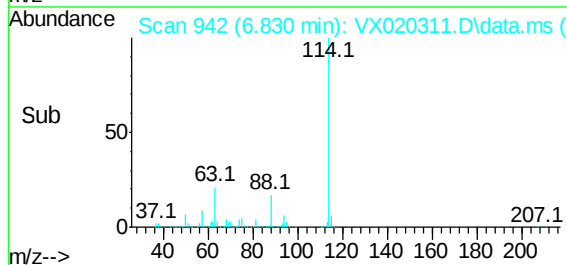
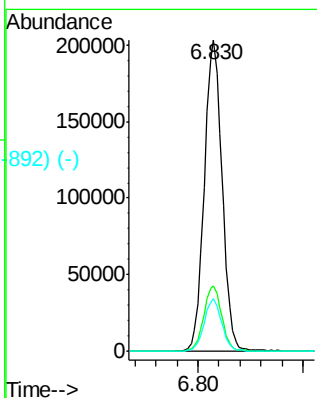
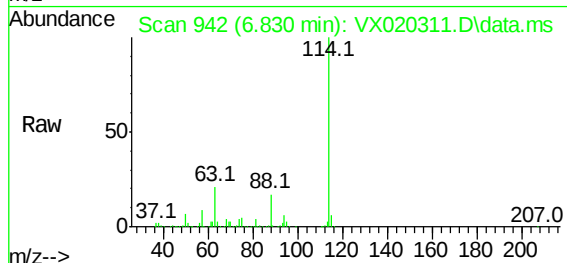




1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

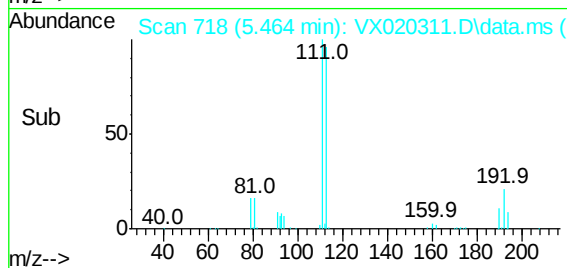
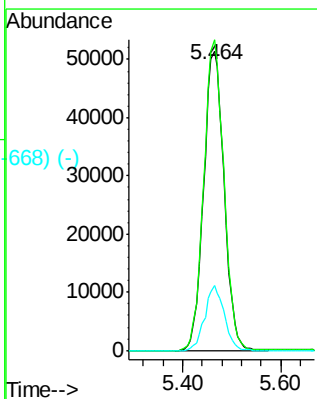
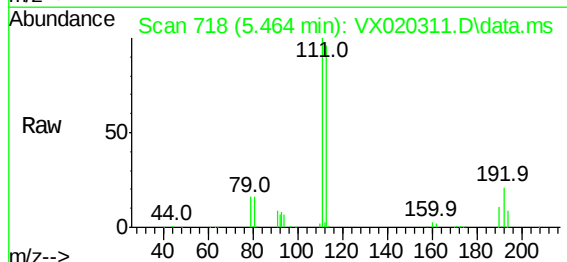
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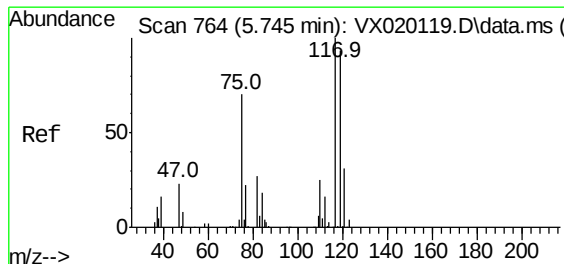
Tgt Ion:114 Resp: 475556
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.7 0.0 32.8



Dibromofluoromethane
Concen: 48.89 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion:113 Resp: 148731
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.4 16.7 25.1

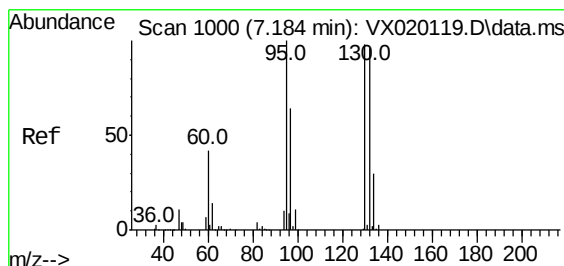
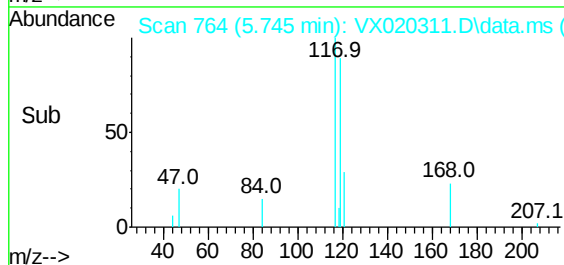
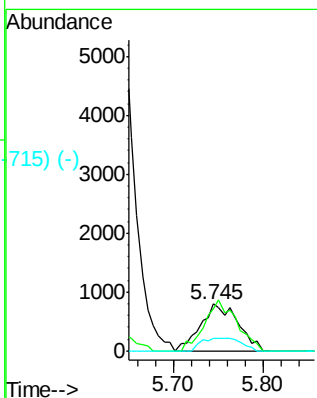
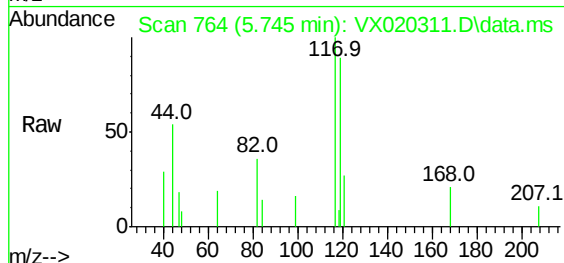




Carbon Tetrachloride
Concen: 0.52 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

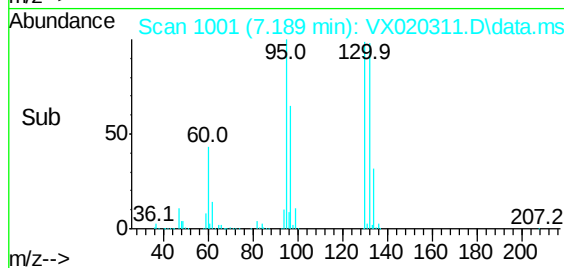
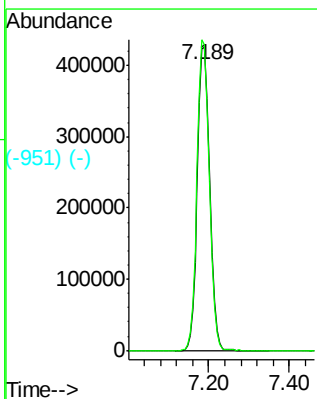
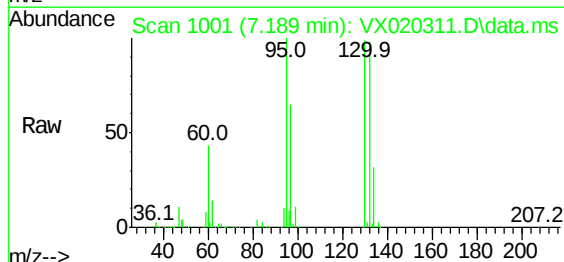
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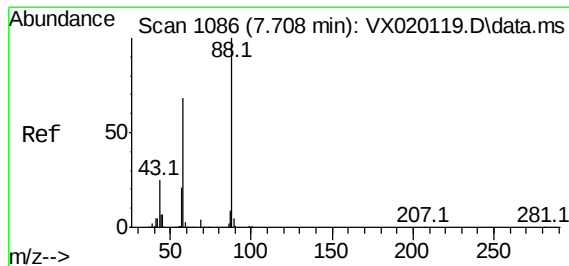
Tgt Ion:117 Resp: 2322
Ion Ratio Lower Upper
117 100
119 89.0 76.2 114.2
121 26.9 24.8 37.2



Trichloroethene
Concen: 240.28 ug/l
RT: 7.189 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion:130 Resp: 908688
Ion Ratio Lower Upper
130 100
95 101.0 0.0 198.0

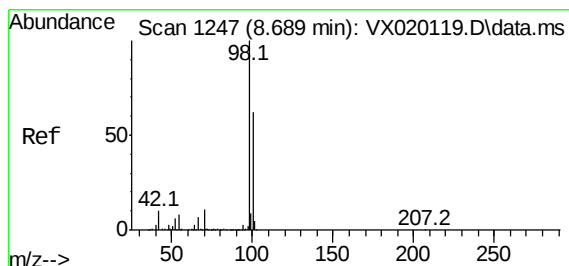
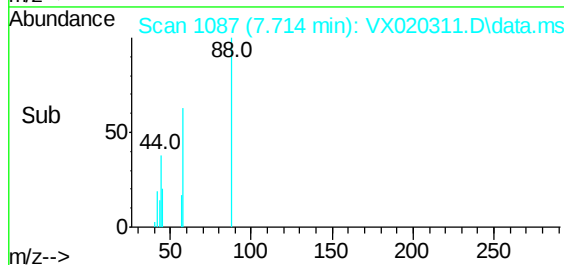
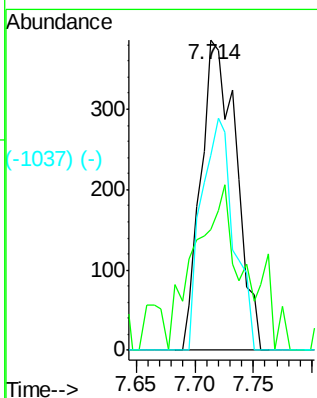
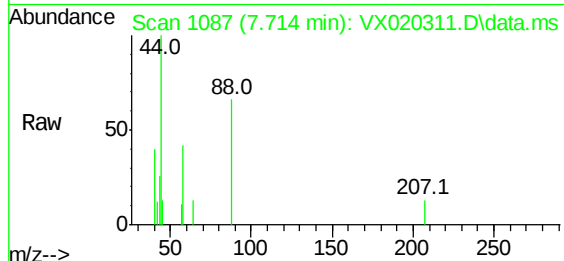




1,4-Dioxane
Concen: 9.16 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

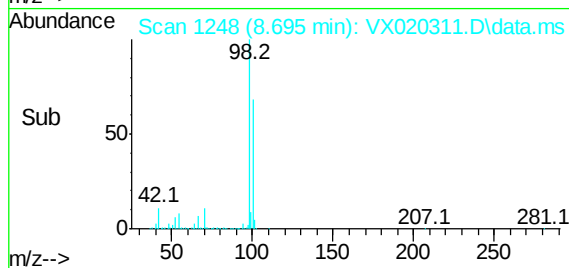
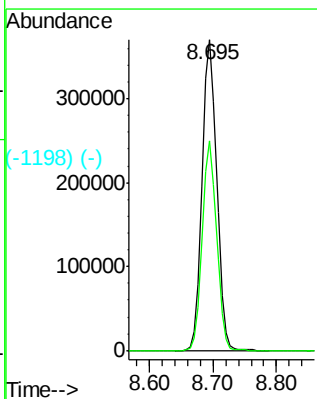
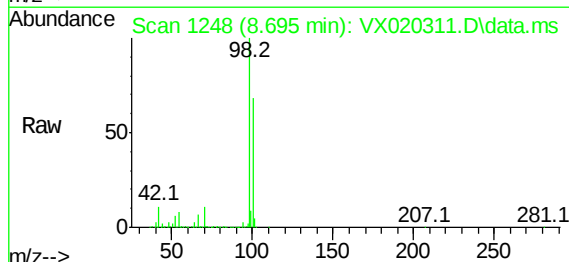
Instrument :
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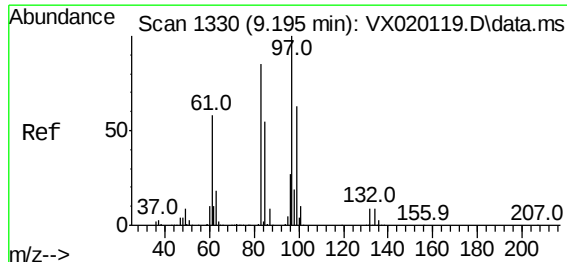
Tgt Ion: 88 Resp: 810
Ion Ratio Lower Upper
88 100
43 76.3 23.2 34.8#
58 68.3 55.0 82.4



Toluene-d8
Concen: 48.65 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

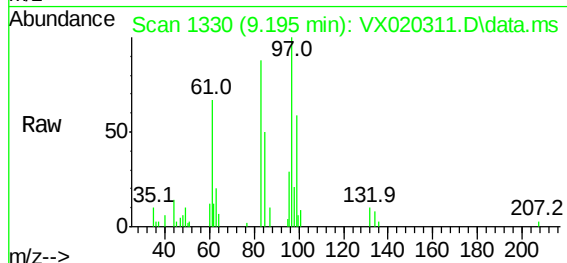
Tgt Ion: 98 Resp: 569677
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9





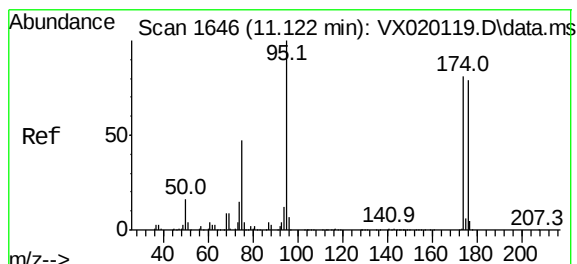
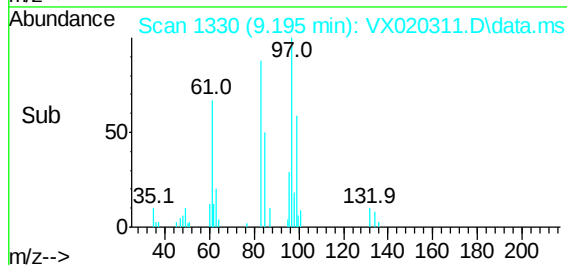
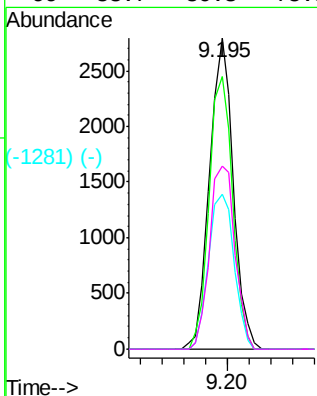
#559 (-)
1,1,2-Trichloroethane
Concen: 1.14 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

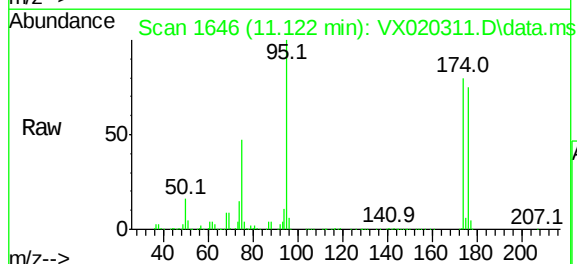


Tgt Ion: 97 Resp: 4180

Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.3	103.9
85	49.8	44.3	66.5
99	58.7	50.3	75.5

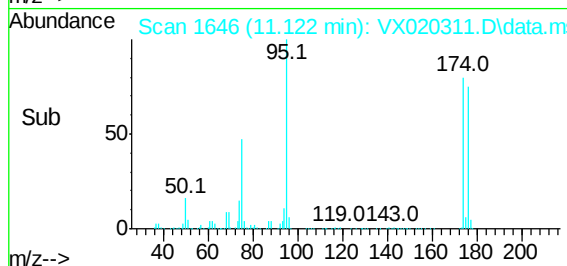
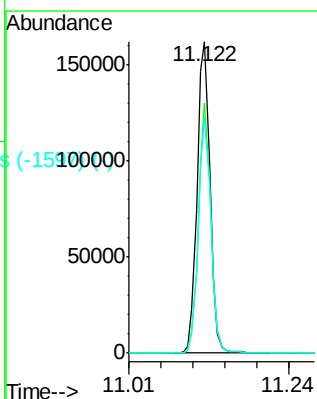


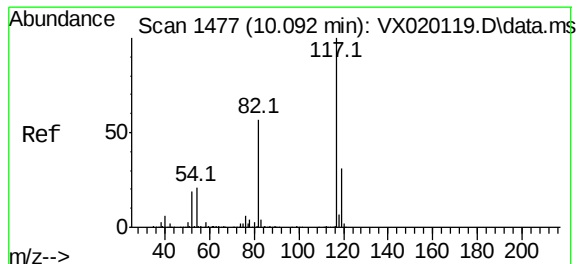
#639 (-)
4-Bromofluorobenzene
Concen: 46.03 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13



Tgt Ion: 95 Resp: 206293

Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	154.6
176	73.8	0.0	155.8

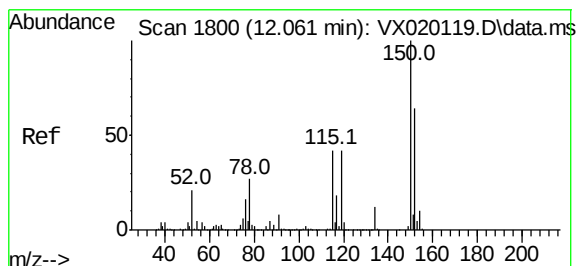
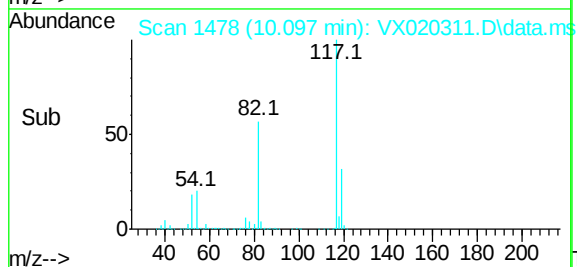
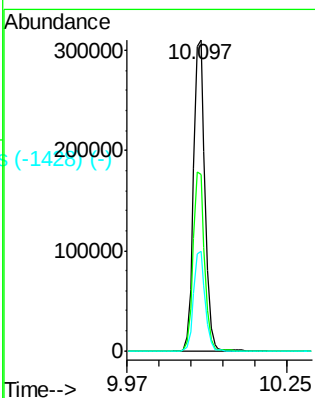
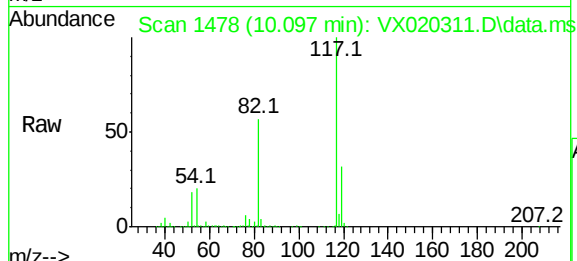




#6270 (-)
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214

Tgt Ion:	117	Resp:	434350
Ion Ratio	Lower	Upper	
117	100		
82	56.6	47.4	71.2
119	32.2	26.6	39.8



#7294 (-)
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020311.D
Acq: 22 Dec 2020 18:13

Tgt Ion:	152	Resp:	190080
Ion Ratio	Lower	Upper	
152	100		
115	60.0	41.1	123.3
150	157.6	0.0	349.0

