

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019875.D
 Acq On : 11 Dec 2020 14:53
 Operator : JC/MD
 Sample : L5028-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 00:23:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

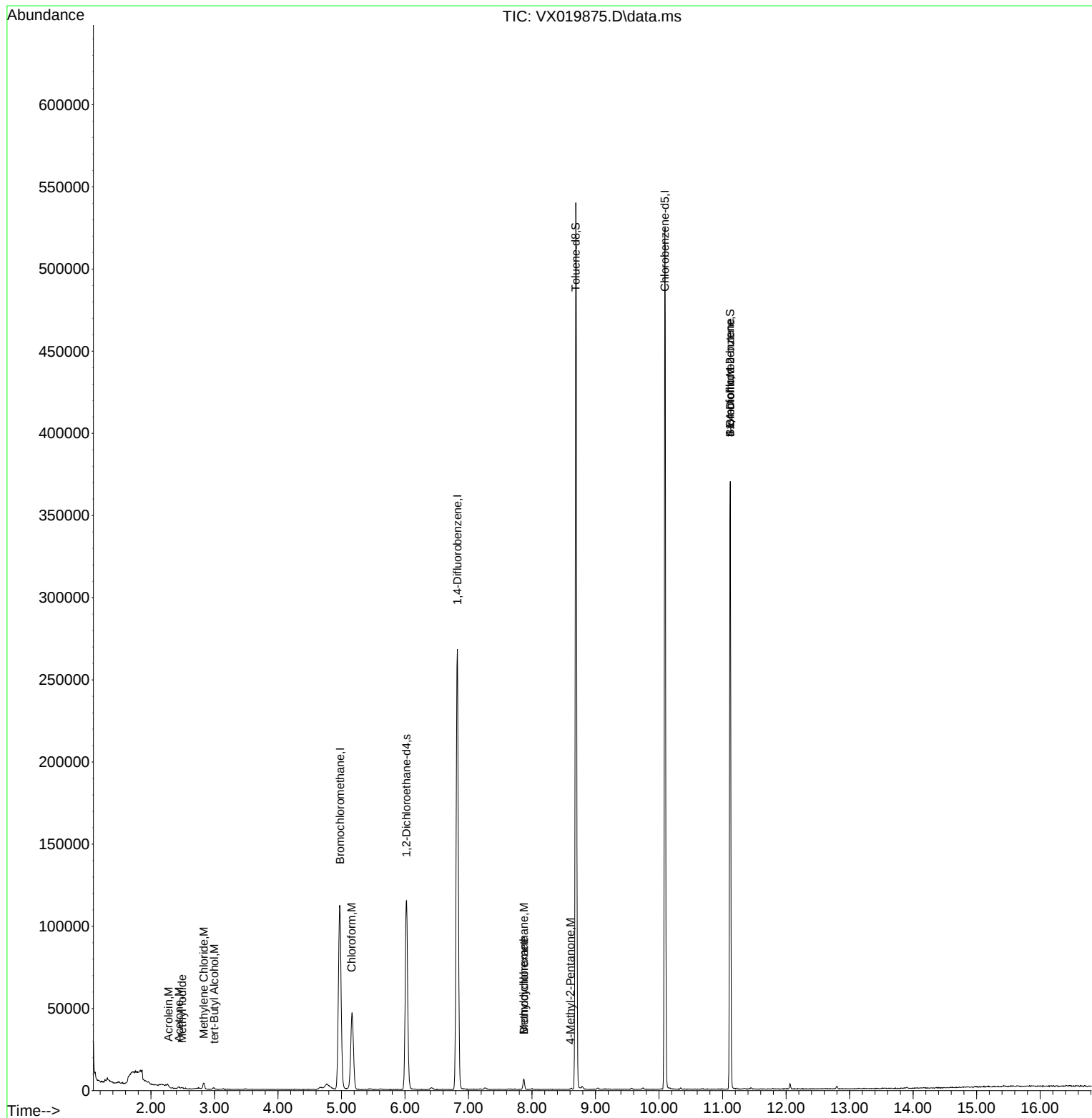
Internal Standards						
1) Bromochloromethane	4.977	128	50567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	279526	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	241235	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.019	65	111763	31.89	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	106.30%		
60) 4-Bromofluorobenzene	11.122	95	105826	26.12	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.07%		
63) Toluene-d8	8.689	98	327264	30.97	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.23%		
Target Compounds						Qvalue
11) Methyl Iodide	2.489	142	850	0.24	ug/l #	86
13) Acrolein	2.276	56	221	0.44	ug/l	91
15) Acetone	2.441	58	556	1.08	ug/l #	23
18) Methylene Chloride	2.831	84	1810	0.54	ug/l	90
23) tert-Butyl Alcohol	2.995	59	462	0.57	ug/l #	100
25) Chloroform	5.160	83	57196	9.93	ug/l	95
38) Methylcyclohexane	7.872	83	4316	0.84	ug/l #	18
41) Bromodichloromethane	7.872	83	4316	0.95	ug/l #	88
56) Bromoform	11.122	173	638	0.24	ug/l #	1
58) 4-Methyl-2-Pentanone	8.604	43	1153	0.28	ug/l #	44
77) t-1,4-Dichloro-2-butene	11.122	75	51493	30.22	ug/l #	11

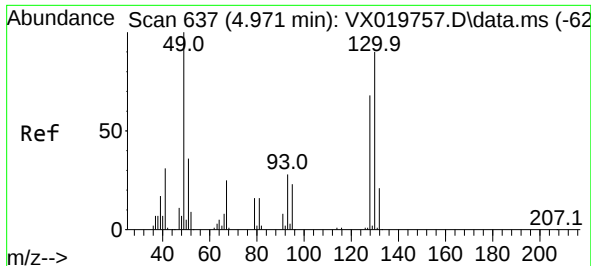
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
Data File : VX019875.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

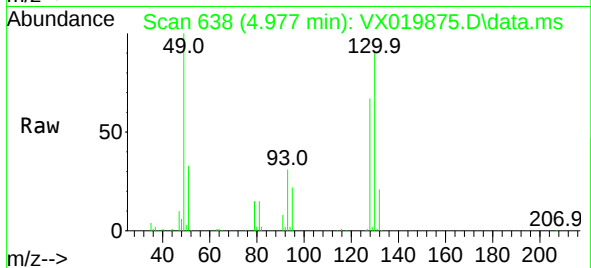
Quant Time: Dec 12 00:23:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration



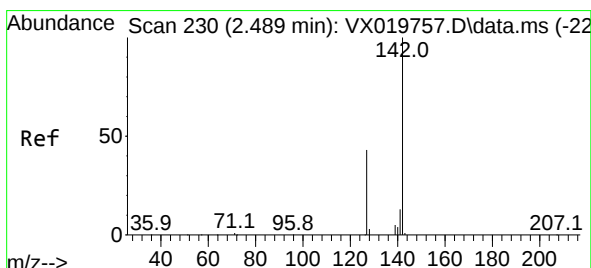
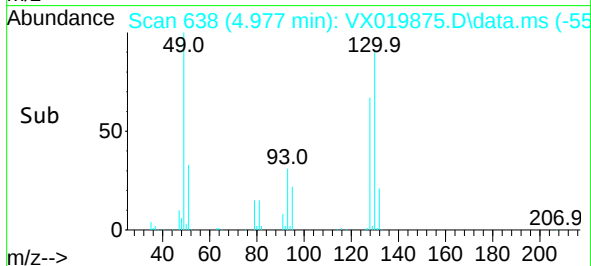
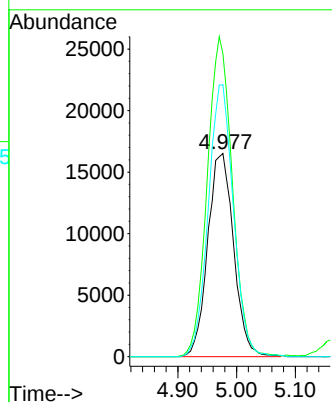


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :

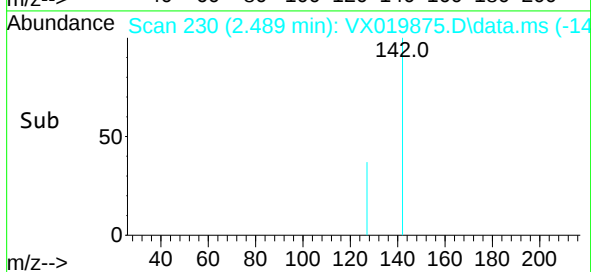
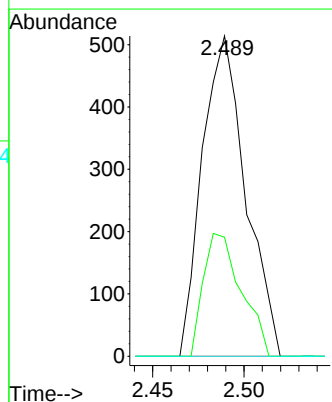
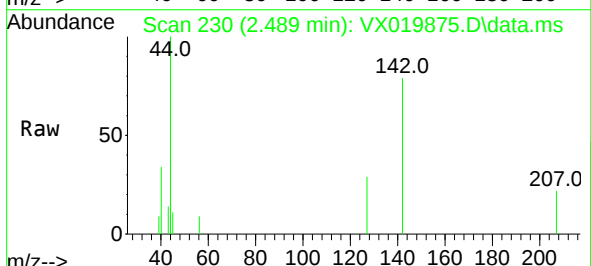


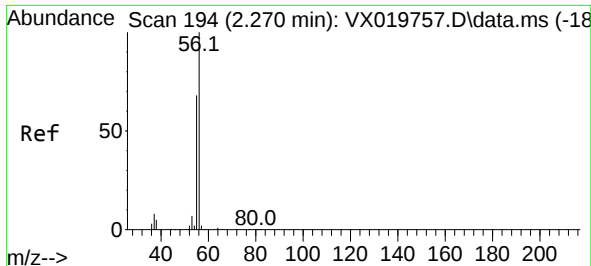
Tgt Ion:128 Resp: 50567
Ion Ratio Lower Upper
128 100
49 152.2 0.0 367.5
130 129.9 0.0 318.8



#11
Methyl Iodide
Concen: 0.24 ug/l
RT: 2.489 min Scan# 230
Delta R.T. -0.000 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

Tgt Ion:142 Resp: 850
Ion Ratio Lower Upper
142 100
127 37.2 21.4 64.2
141 0.0 6.5 19.4#

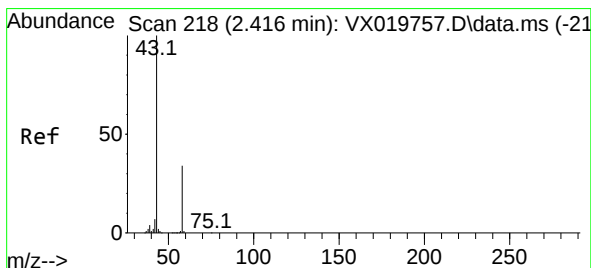
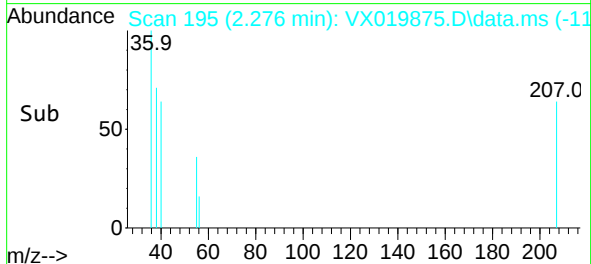
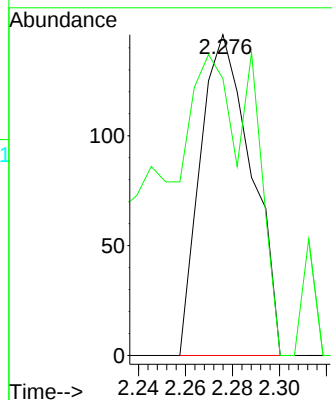
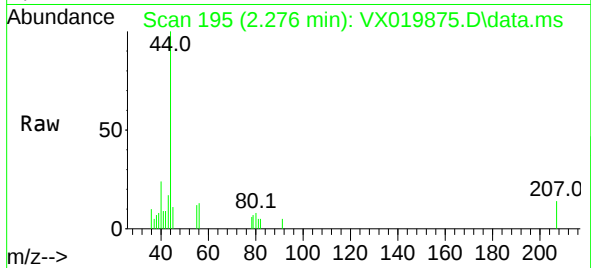




#13
Acrolein
Concen: 0.44 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

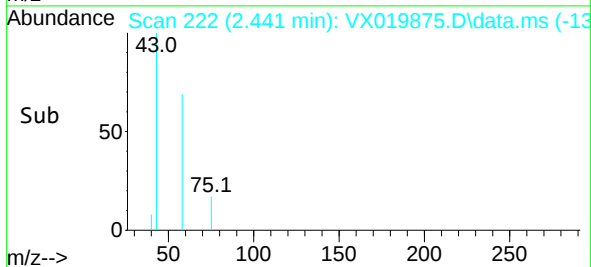
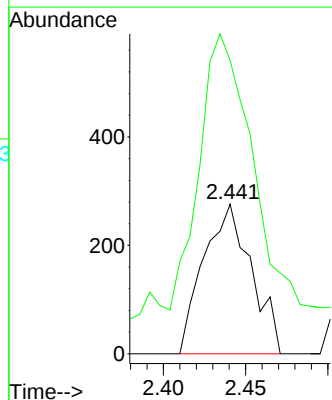
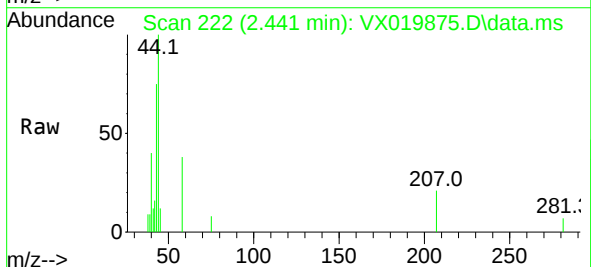
Instrument :
MSVOA_X
ClientSampled :

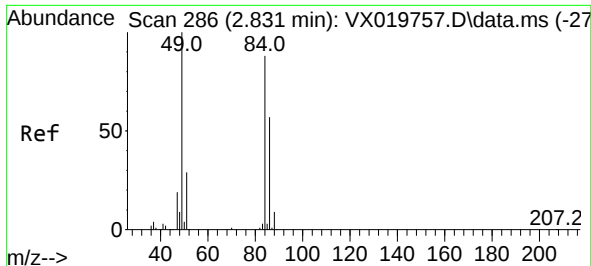
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 77.8 56.3 84.5



#15
Acetone
Concen: 1.08 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.024 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

Tgt Ion: 58 Resp: 556
Ion Ratio Lower Upper
58 100
43 142.0 232.6 348.8#





#18

Methylene Chloride

Concen: 0.54 ug/l

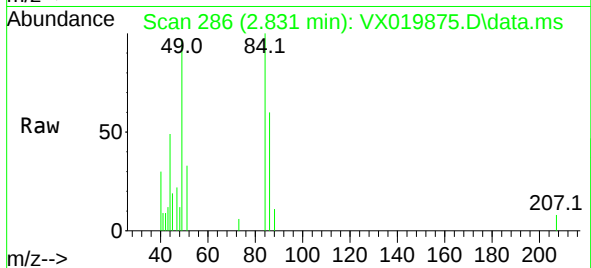
RT: 2.831 min Scan# 286

Delta R.T. -0.000 min

Lab File: VX019875.D

Acq: 11 Dec 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1810

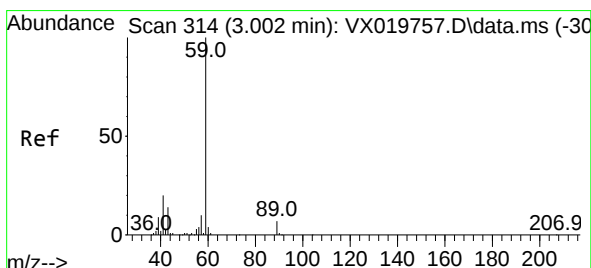
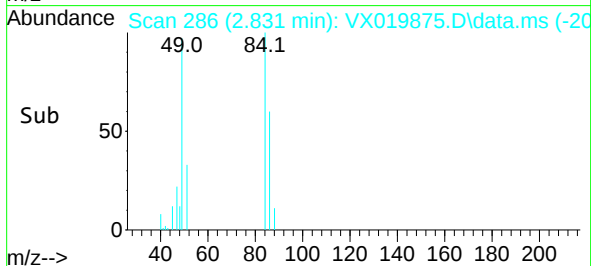
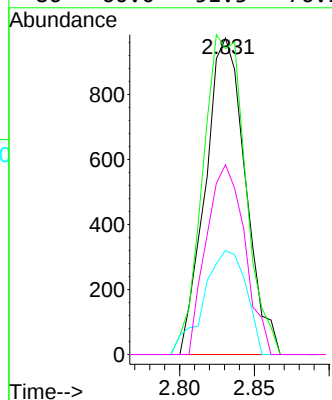
Ion Ratio Lower Upper

84 100

49 96.7 90.6 136.0

51 32.9 26.3 39.5

86 60.0 51.3 76.9



#23

tert-Butyl Alcohol

Concen: 0.57 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.006 min

Lab File: VX019875.D

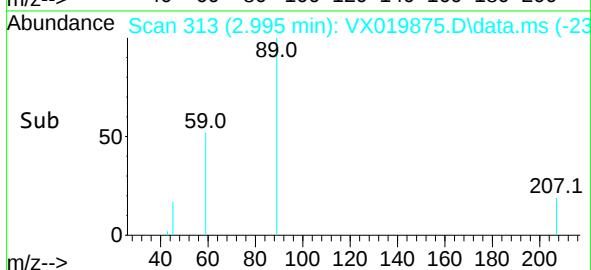
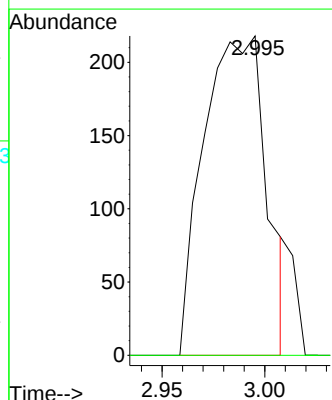
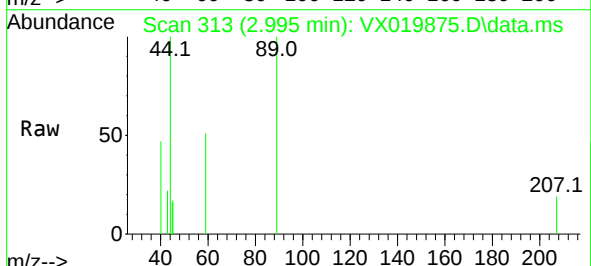
Acq: 11 Dec 2020 14:53

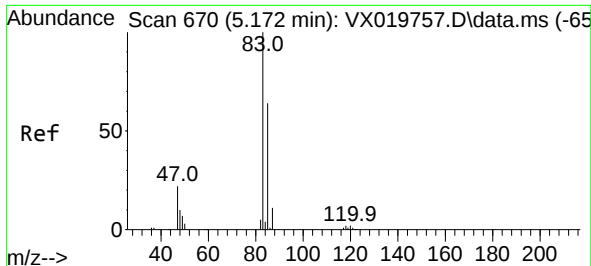
Tgt Ion: 59 Resp: 462

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

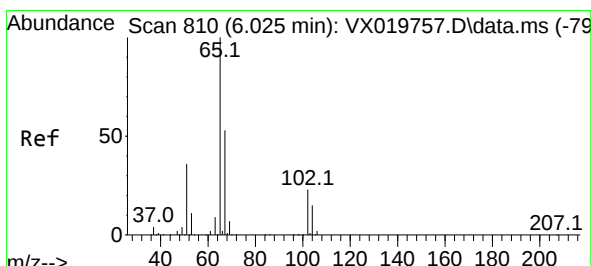
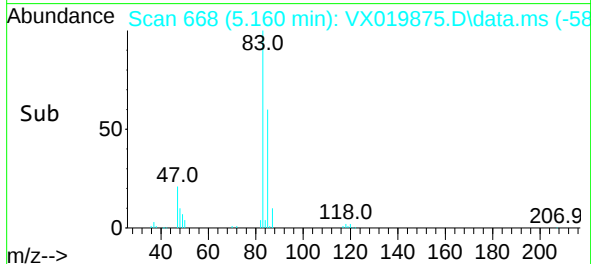
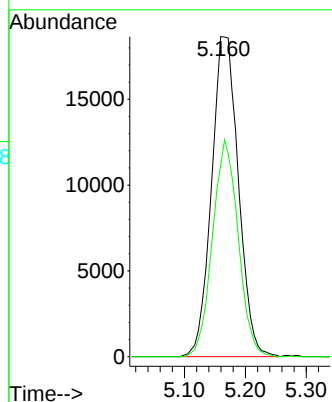
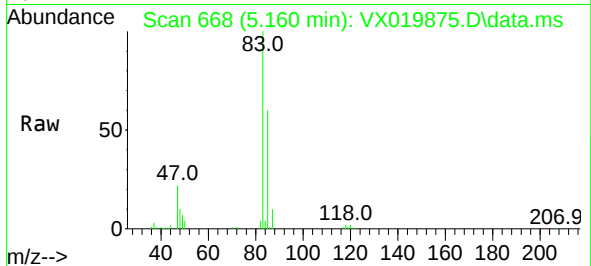




#25
Chloroform
Concen: 9.93 ug/l
RT: 5.160 min Scan# 668
Delta R.T. -0.012 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

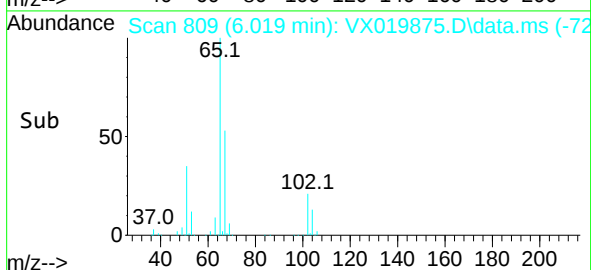
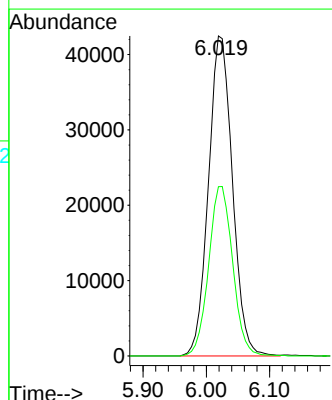
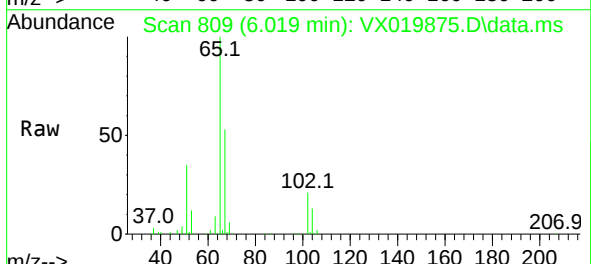
Instrument :
MSVOA_X
ClientSampled :

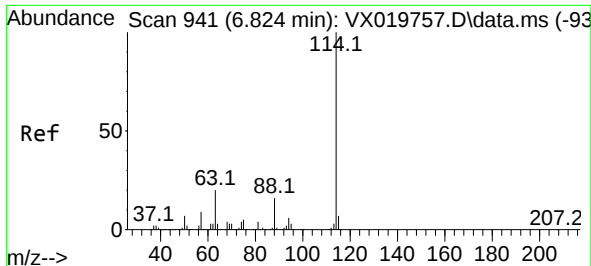
Tgt Ion: 83 Resp: 57196
Ion Ratio Lower Upper
83 100
85 59.7 51.2 76.8



#27
1,2-Dichloroethane-d4
Concen: 31.89 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

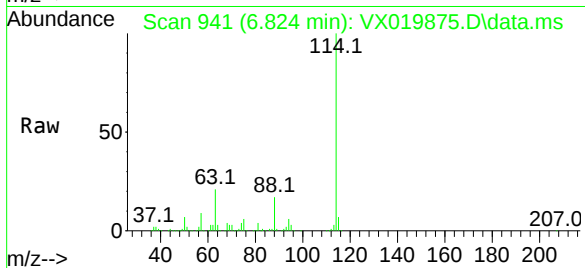
Tgt Ion: 65 Resp: 111763
Ion Ratio Lower Upper
65 100
67 53.1 41.9 62.9



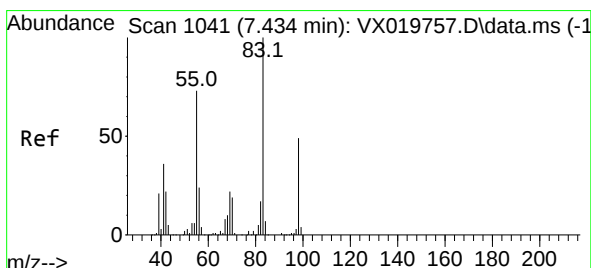
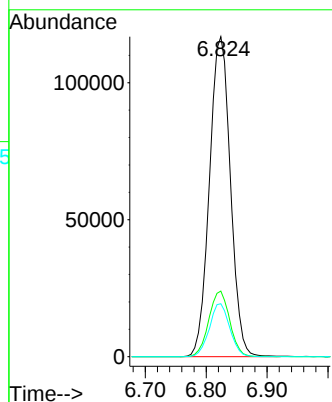
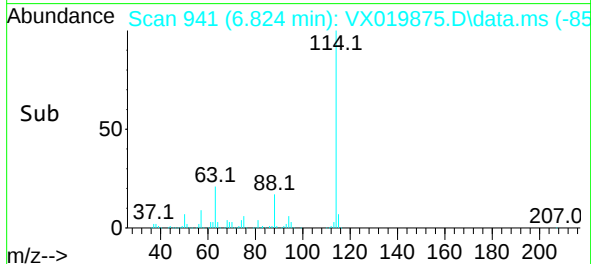


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

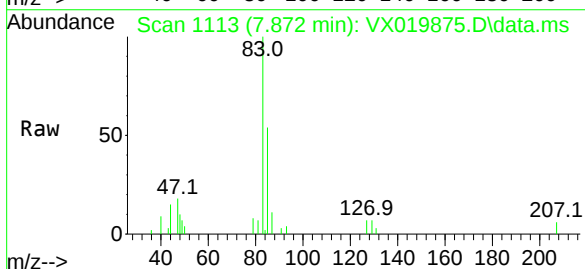
Instrument :
MSVOA_X
ClientSampleId :



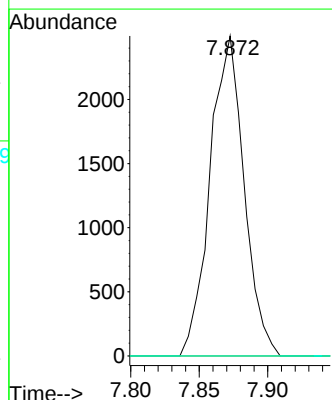
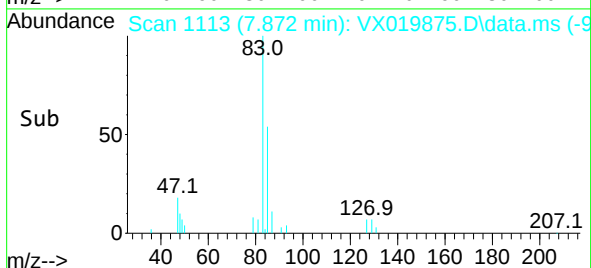
Tgt Ion:114 Resp: 279526
Ion Ratio Lower Upper
114 100
63 20.4 16.2 24.2
88 16.1 13.0 19.6

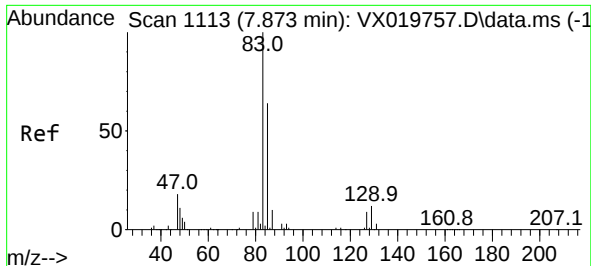


#38
Methylcyclohexane
Concen: 0.84 ug/l
RT: 7.872 min Scan# 1113
Delta R.T. 0.439 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53



Tgt Ion: 83 Resp: 4316
Ion Ratio Lower Upper
83 100
55 0.0 37.4 112.1#
98 0.0 24.7 74.1#

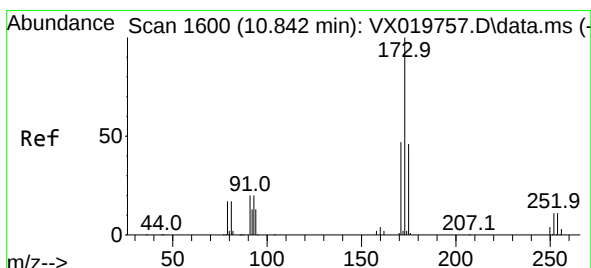
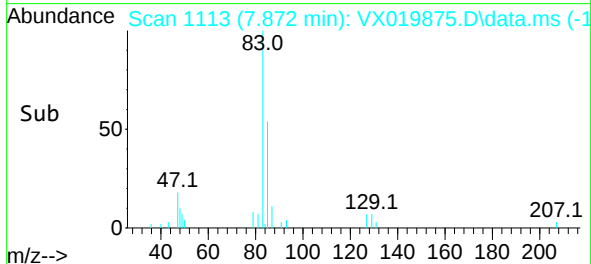
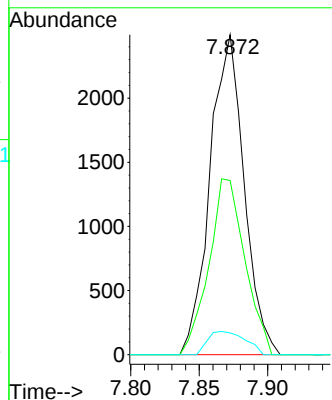
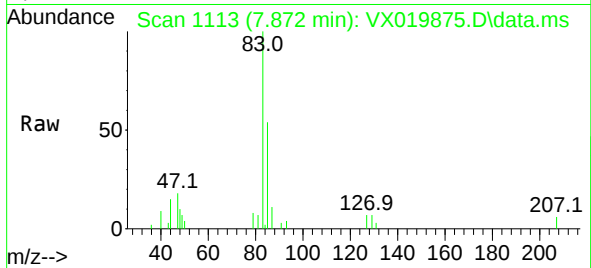




#41
Bromodichloromethane
Concen: 0.95 ug/l
RT: 7.872 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

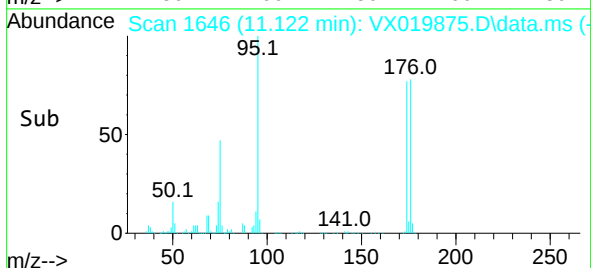
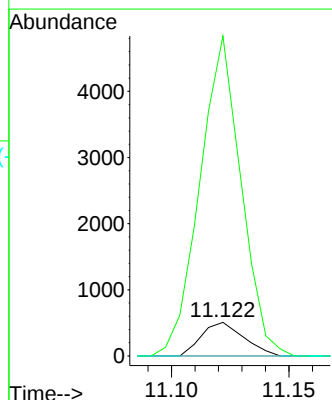
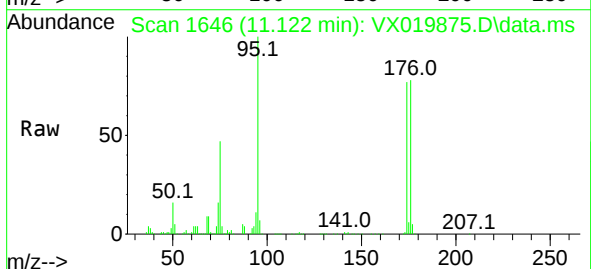
Instrument :
MSVOA_X
ClientSampleId :

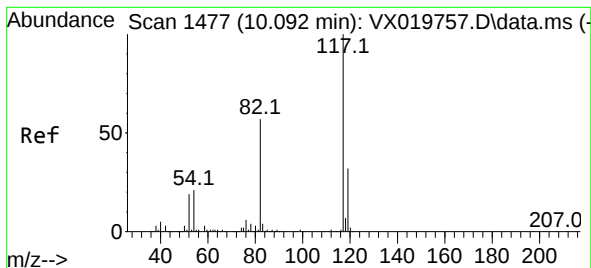
Tgt Ion: 83 Resp: 4316
Ion Ratio Lower Upper
83 100
85 54.4 51.4 77.0
127 6.8 7.1 10.7#



#56
Bromoform
Concen: 0.24 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.280 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

Tgt Ion:173 Resp: 638
Ion Ratio Lower Upper
173 100
175 927.0 38.1 57.1#
254 0.0 8.2 12.4#

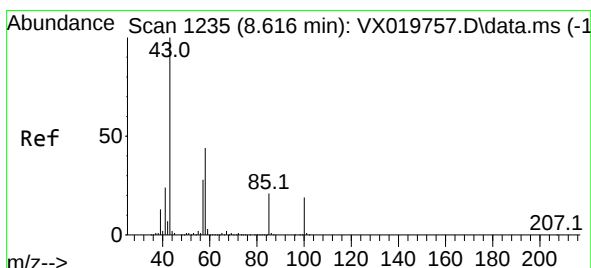
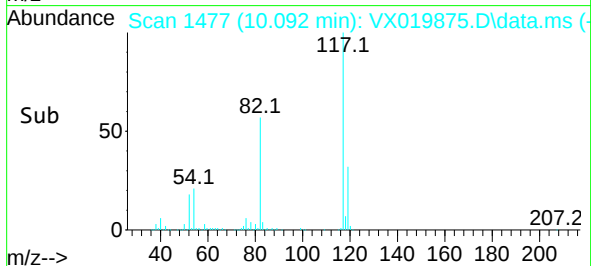
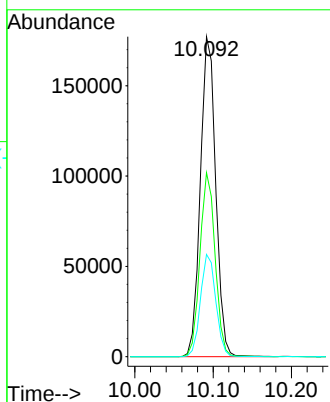
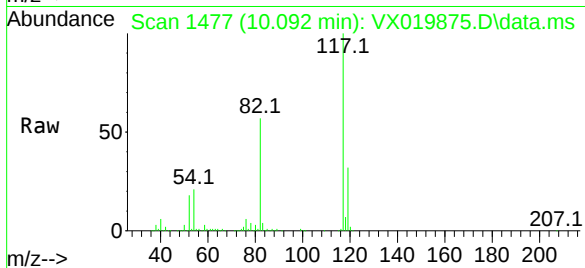




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

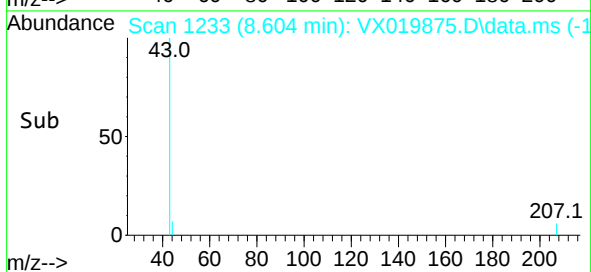
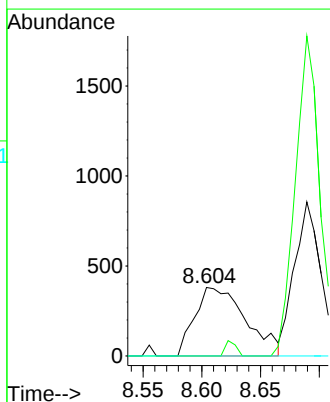
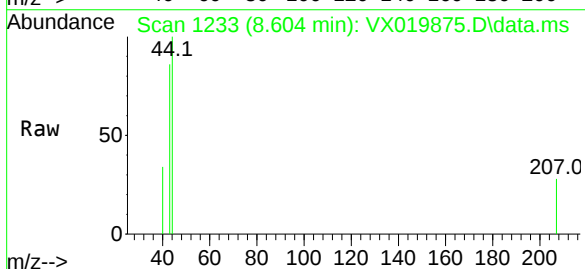
Instrument :
MSVOA_X
ClientSampleId :

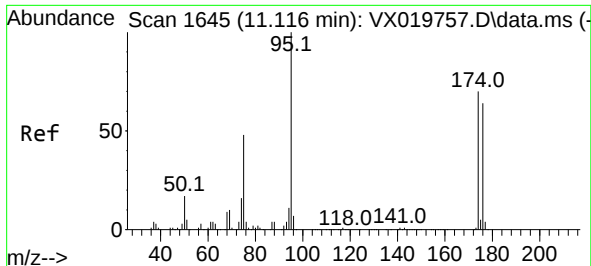
Tgt Ion:	117	Resp:	241235
Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.6
119	31.9	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 0.28 ug/l
RT: 8.604 min Scan# 1233
Delta R.T. -0.012 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

Tgt Ion:	43	Resp:	1153
Ion	Ratio	Lower	Upper
43	100		
58	4.7	35.2	52.8#
85	0.0	16.8	25.2#

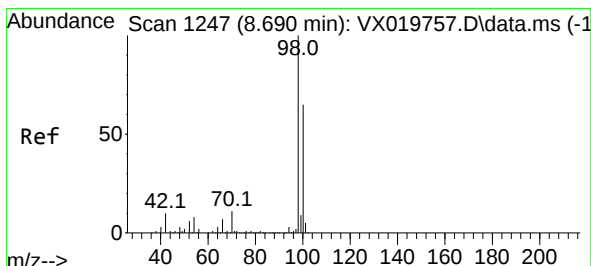
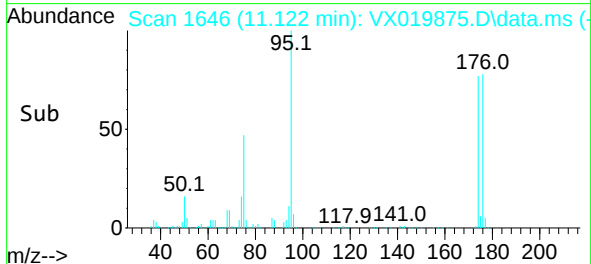
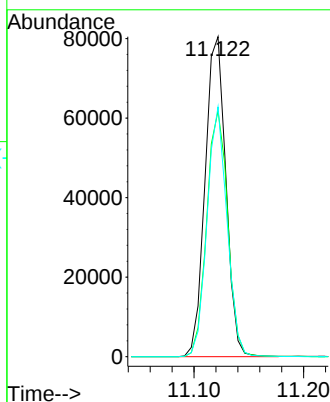
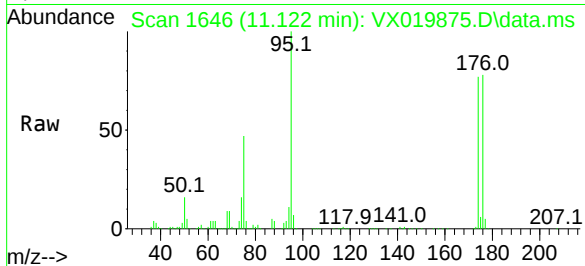




#60
4-Bromofluorobenzene
Concen: 26.12 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

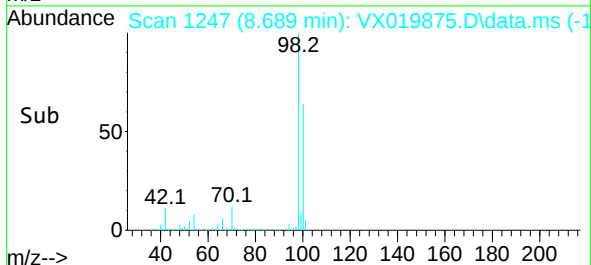
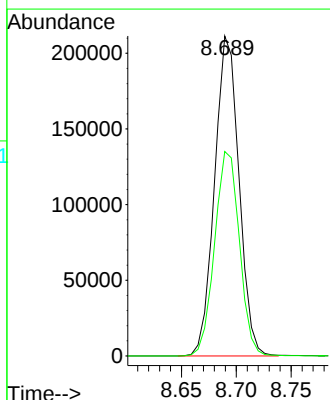
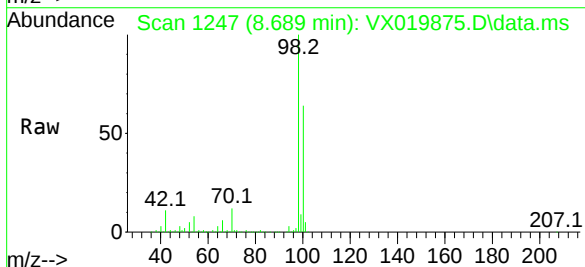
Instrument :
MSVOA_X
ClientSampleId :

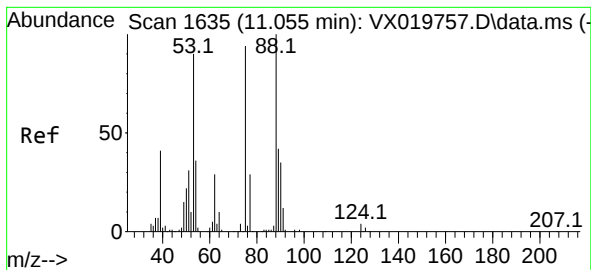
Tgt Ion: 95 Resp: 105826
Ion Ratio Lower Upper
95 100
174 77.8 63.0 94.4
176 74.9 59.9 89.9



#63
Toluene-d8
Concen: 30.97 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

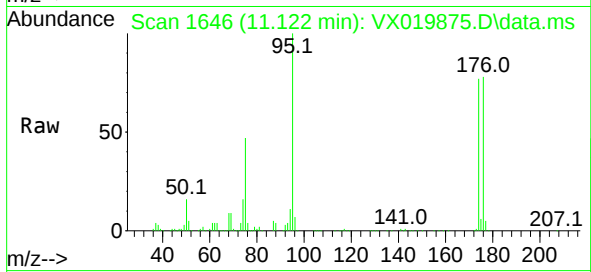
Tgt Ion: 98 Resp: 327264
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.22 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX019875.D
 Acq: 11 Dec 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.4	145.0#
89	0.0	22.7	68.0#

