

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019871.D
 Acq On : 11 Dec 2020 12:21
 Operator : JC/MD
 Sample : L5020-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 00:22:10 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)

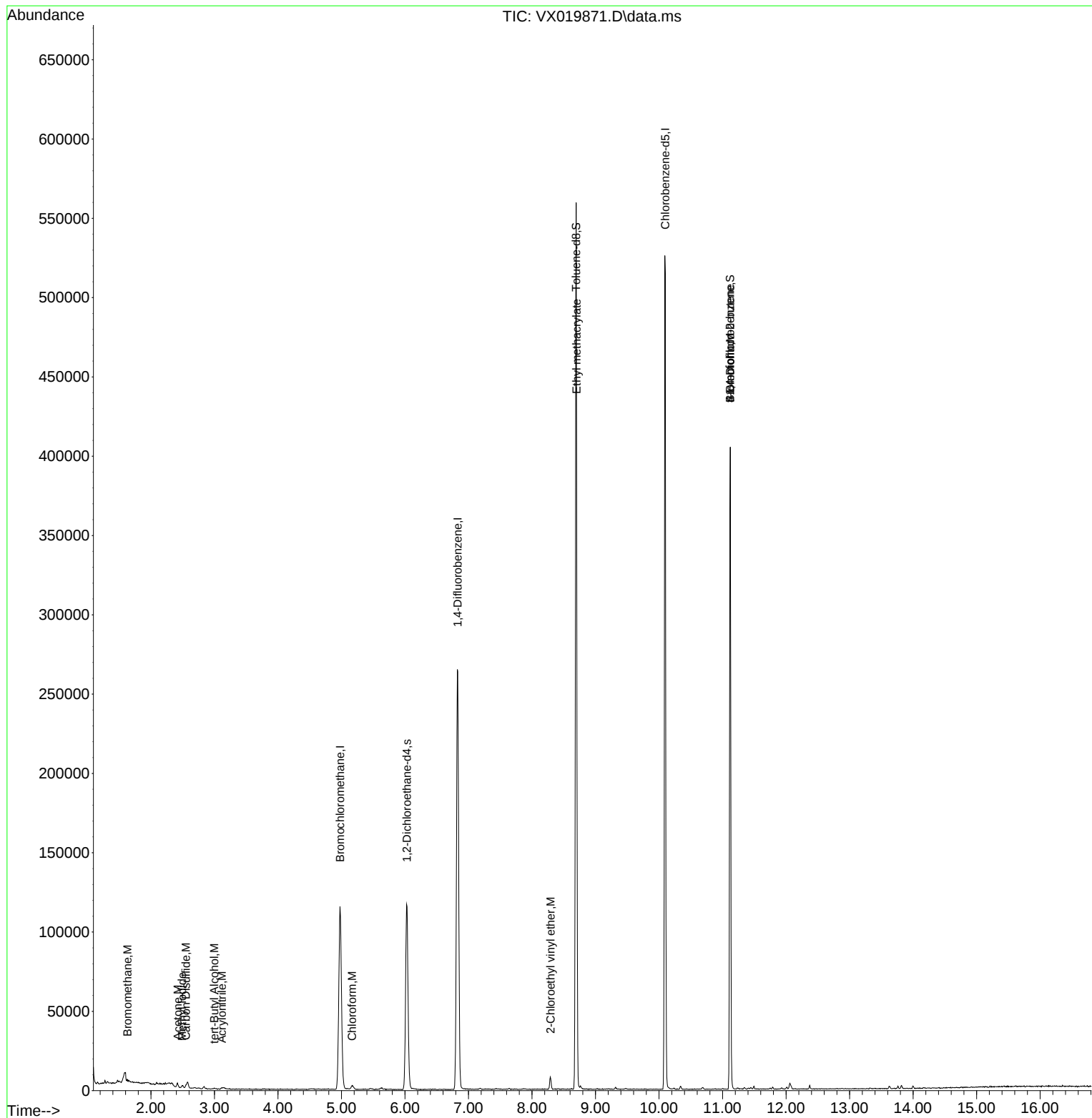
Internal Standards						
1) Bromochloromethane	4.977	128	51356	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.830	114	276909	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.098	117	248883	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.031	65	112077	31.49	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.97%
60) 4-Bromofluorobenzene	11.122	95	111205	26.61	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.70%
63) Toluene-d8	8.696	98	325822	29.89	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.63%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	479	0.37	ug/l #	73
11) Methyl Iodide	2.489	142	1753	0.48	ug/l	81
14) Acrylonitrile	3.117	53	631	0.36	ug/l #	59
15) Acetone	2.422	58	872	1.67	ug/l	74
16) Carbon Disulfide	2.550	76	1617	0.21	ug/l #	87
23) tert-Butyl Alcohol	2.995	59	436	0.53	ug/l #	78
25) Chloroform	5.166	83	2677	0.46	ug/l	97
51) Ethyl methacrylate	8.702	69	1146	0.22	ug/l	91
55) 2-Chloroethyl vinyl ether	8.293	63	3053	1.14	ug/l	96
56) Bromoform	11.122	173	683	0.26	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.122	75	53564	30.47	ug/l #	11

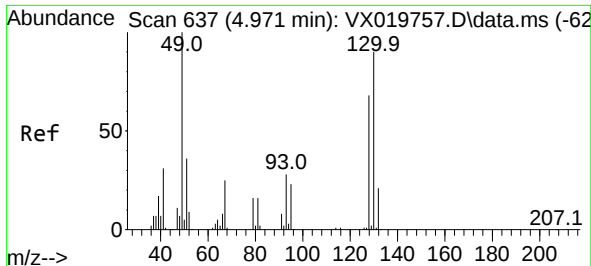
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
Data File : VX019871.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 12 00:22:10 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

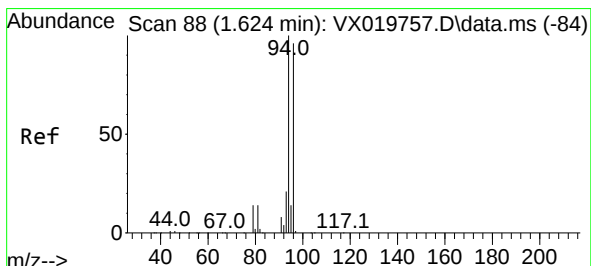
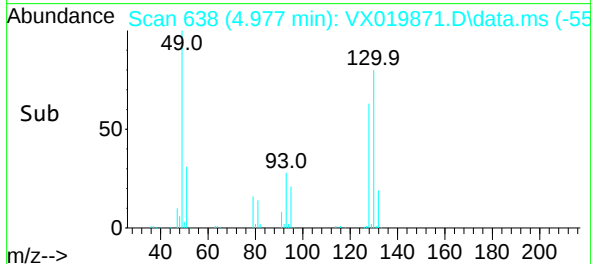
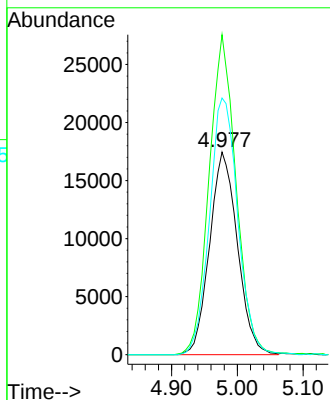
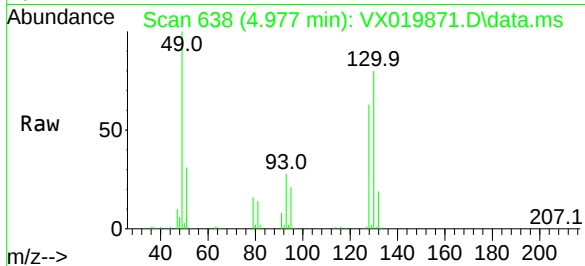




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

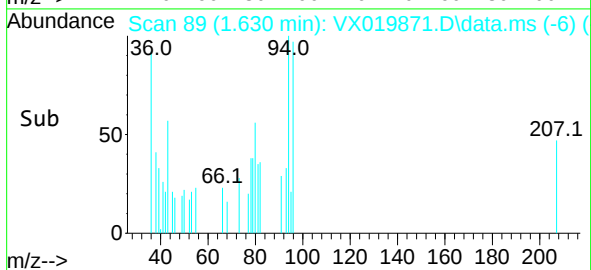
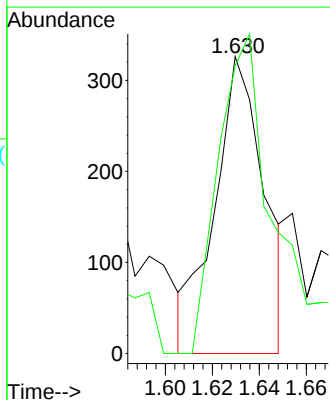
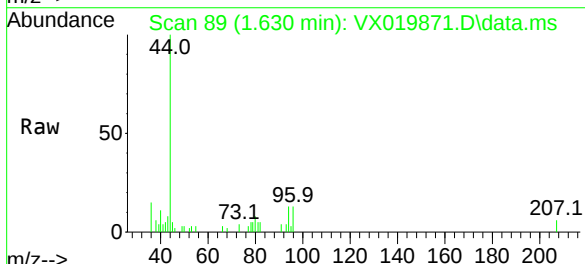
Instrument :
MSVOA_X
ClientSampleId :

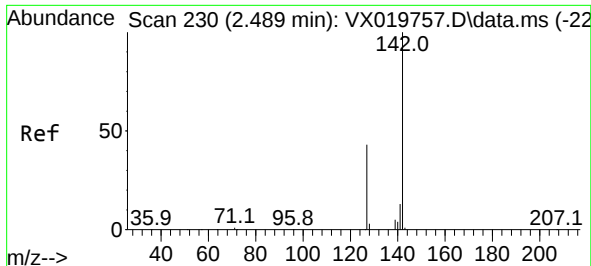
Tgt Ion	Ratio	Lower	Upper
128	100		
49	152.7	0.0	367.5
130	129.1	0.0	318.8



#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

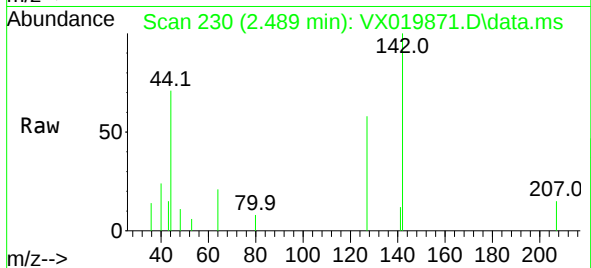
Tgt Ion	Ratio	Lower	Upper
94	100		
96	122.0	76.6	114.8#



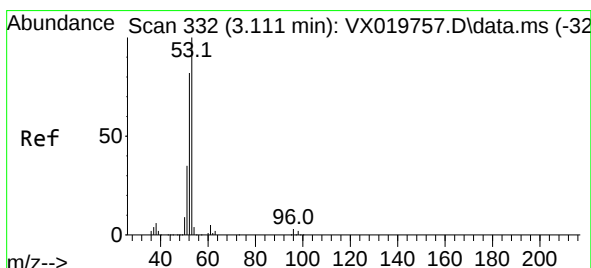
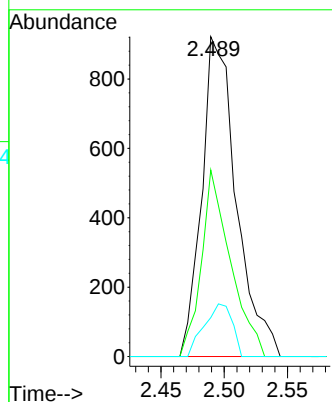
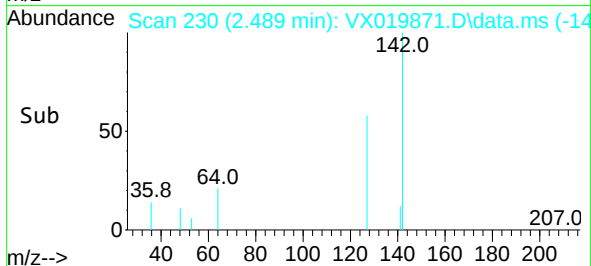


#11
Methyl Iodide
Concen: 0.48 ug/l
RT: 2.489 min Scan# 230
Delta R.T. -0.000 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

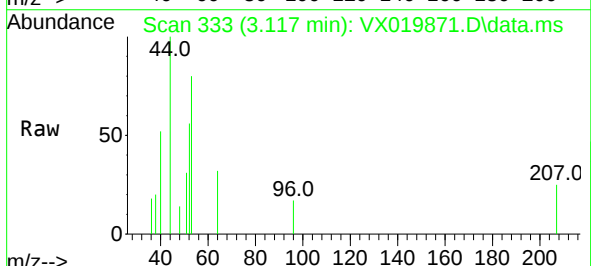
Instrument :
MSVOA_X
ClientSampleId :



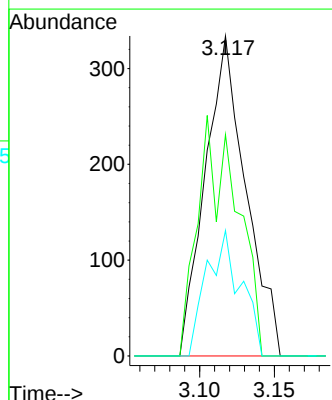
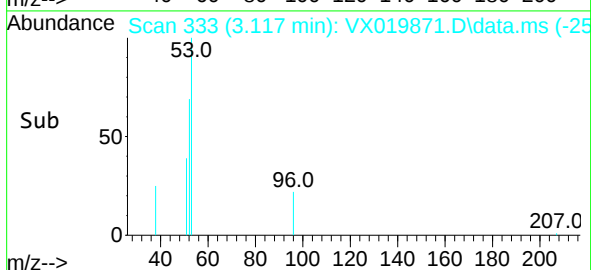
Tgt Ion:142 Resp: 1753
Ion Ratio Lower Upper
142 100
127 58.4 21.4 64.2
141 12.1 6.5 19.4

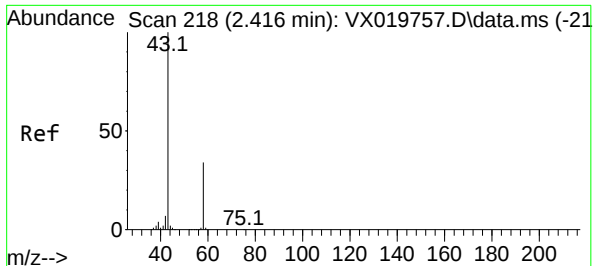


#14
Acrylonitrile
Concen: 0.36 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21



Tgt Ion: 53 Resp: 631
Ion Ratio Lower Upper
53 100
52 36.1 41.1 123.3#
51 25.0 17.6 52.9

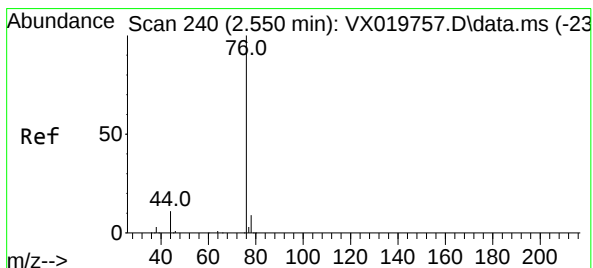
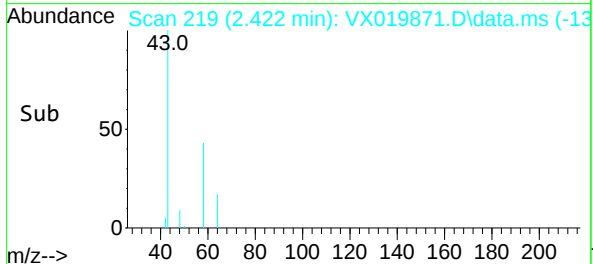
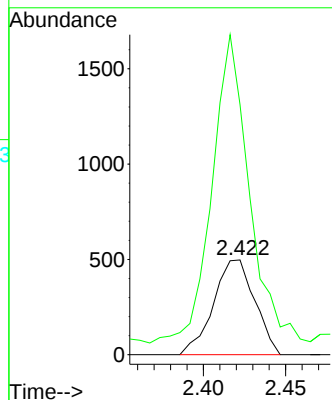
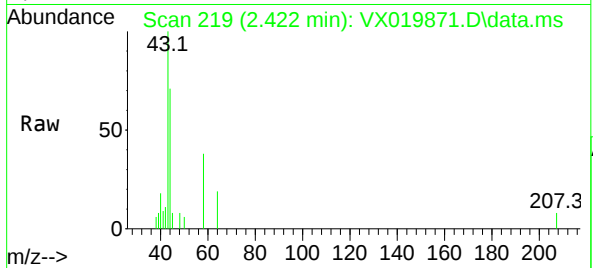




#15
Acetone
Concen: 1.67 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

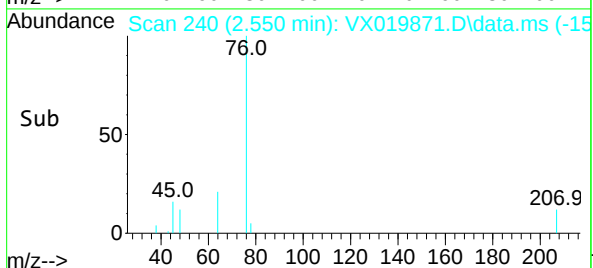
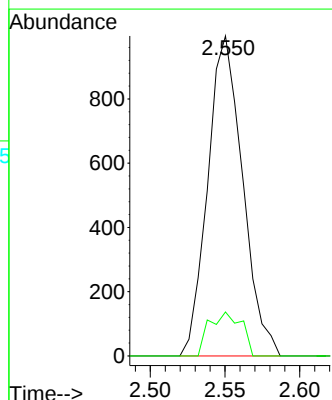
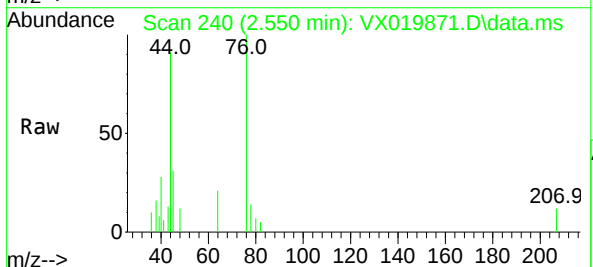
Instrument :
MSVOA_X
ClientSampleId :

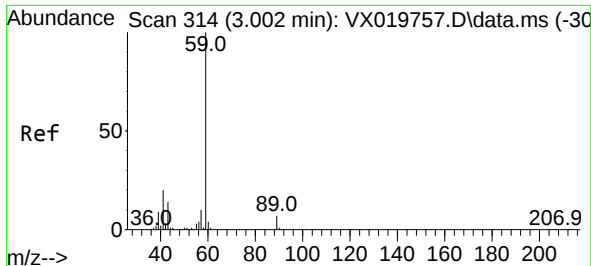
Tgt Ion: 58 Resp: 872
Ion Ratio Lower Upper
58 100
43 240.4 232.6 348.8



#16
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.000 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

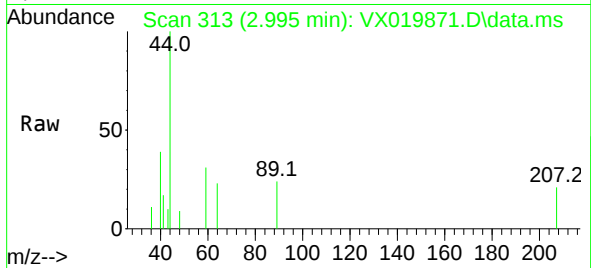
Tgt Ion: 76 Resp: 1617
Ion Ratio Lower Upper
76 100
78 13.8 7.4 11.0#



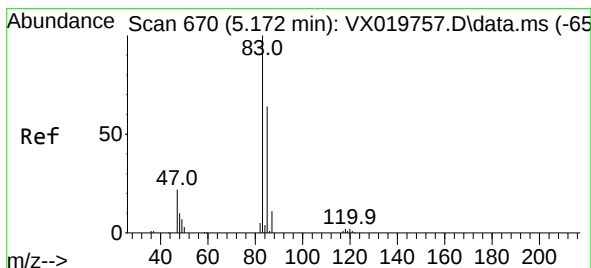
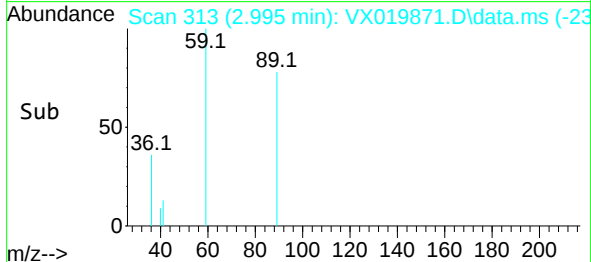
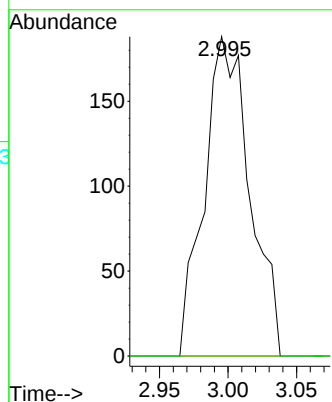


#23
tert-Butyl Alcohol
Concen: 0.53 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Instrument :
MSVOA_X
ClientSampleId :

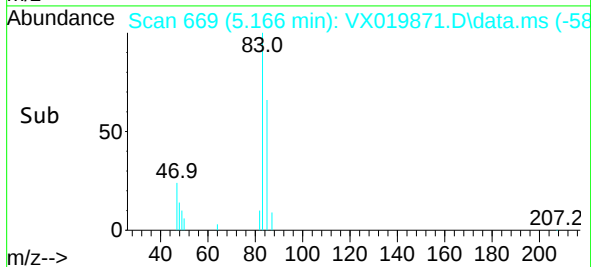
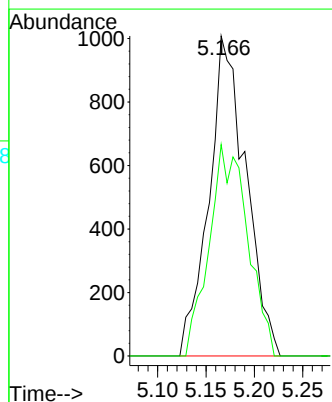
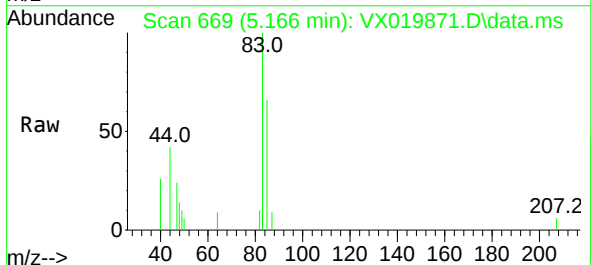


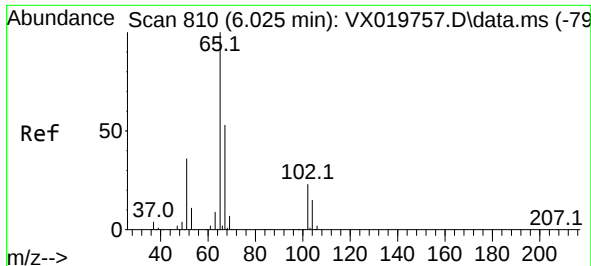
Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
52 52.3 0.1 0.1#



#25
Chloroform
Concen: 0.46 ug/l
RT: 5.166 min Scan# 669
Delta R.T. -0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Tgt Ion: 83 Resp: 2677
Ion Ratio Lower Upper
83 100
85 66.1 51.2 76.8



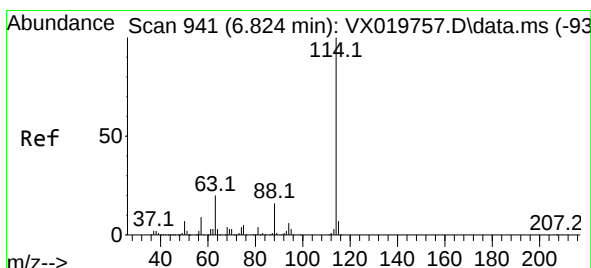
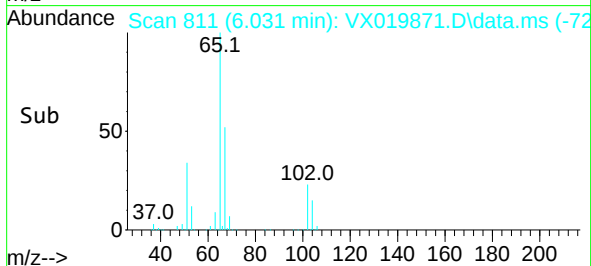
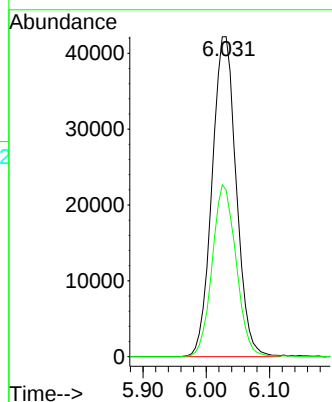
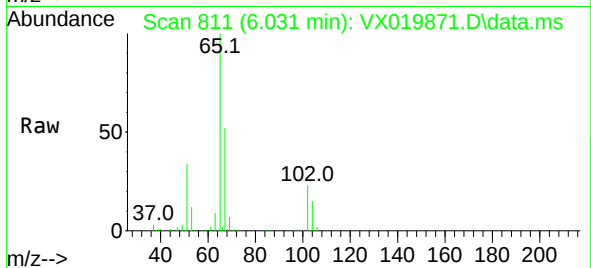


#27

1,2-Dichloroethane-d4
Concen: 31.49 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Instrument :
MSVOA_X
ClientSampled :

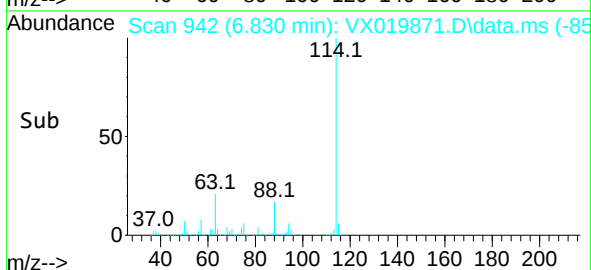
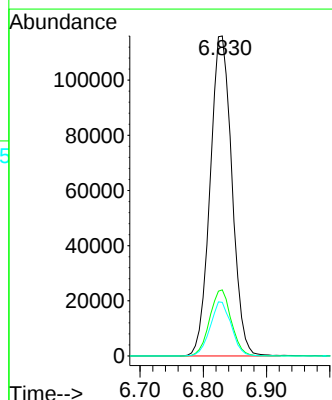
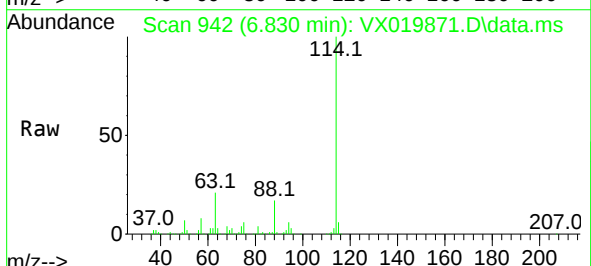
Tgt Ion: 65 Resp: 112077
Ion Ratio Lower Upper
65 100
67 53.1 41.9 62.9

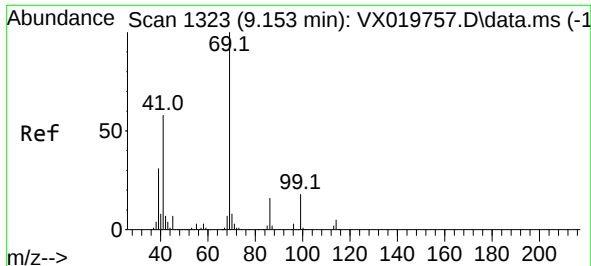


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Tgt Ion: 114 Resp: 276909
Ion Ratio Lower Upper
114 100
63 20.5 16.2 24.2
88 16.4 13.0 19.6

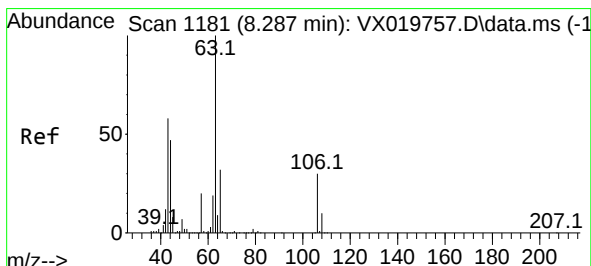
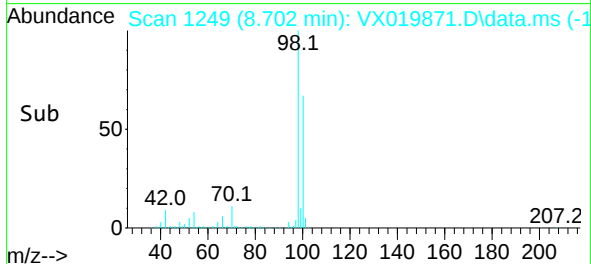
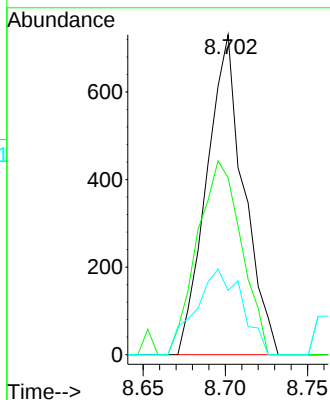
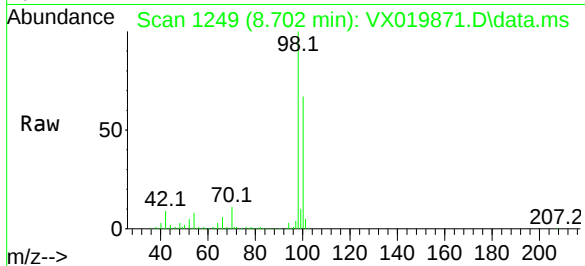




#51
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.451 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

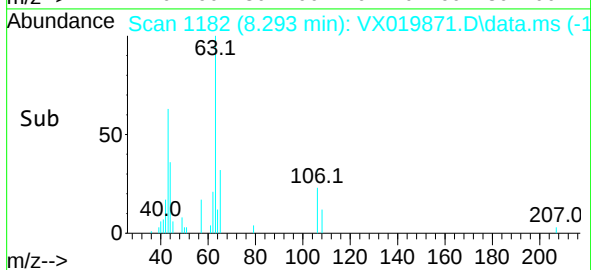
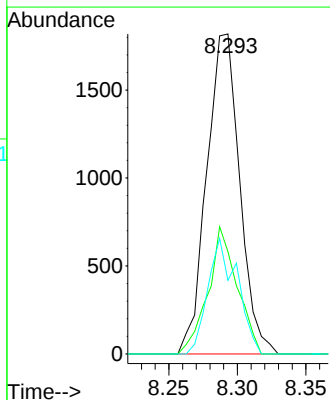
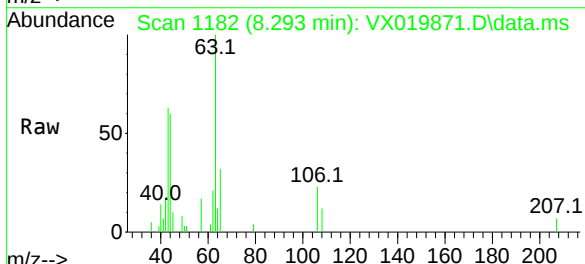
Instrument :
MSVOA_X
ClientSampleId :

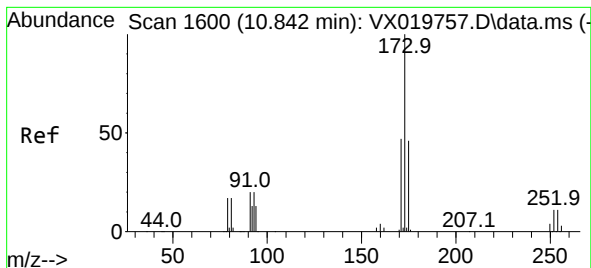
Tgt Ion:	69	Resp:	1146
Ion	Ratio	Lower	Upper
69	100		
41	55.3	29.1	87.4
39	20.1	15.4	46.1



#55
2-Chloroethyl vinyl ether
Concen: 1.14 ug/l
RT: 8.293 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Tgt Ion:	63	Resp:	3053
Ion	Ratio	Lower	Upper
63	100		
65	35.0	25.9	38.9
106	32.1	23.9	35.9

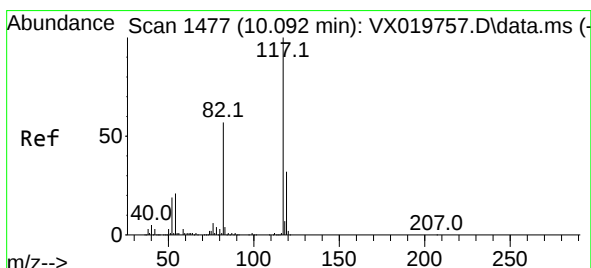
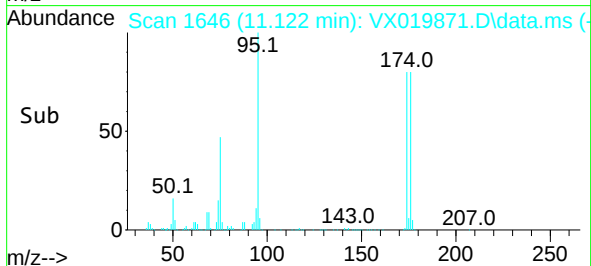
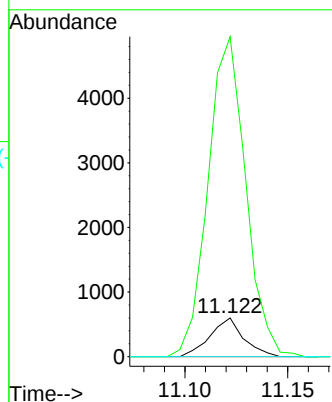
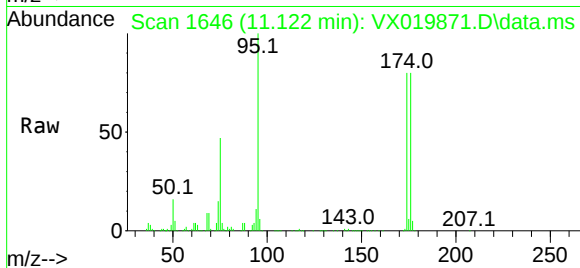




#56
Bromoform
Concen: 0.26 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.280 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

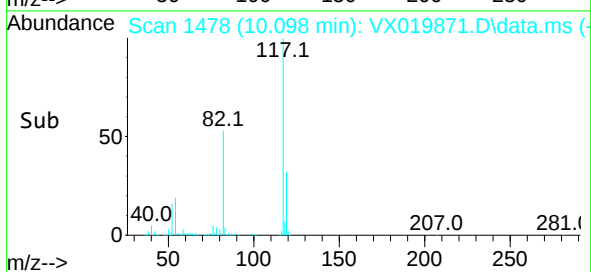
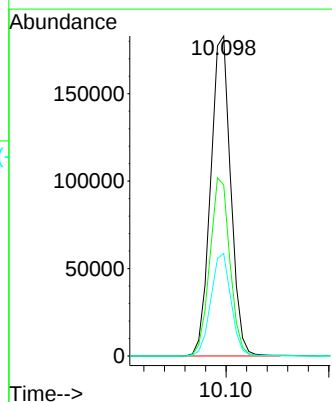
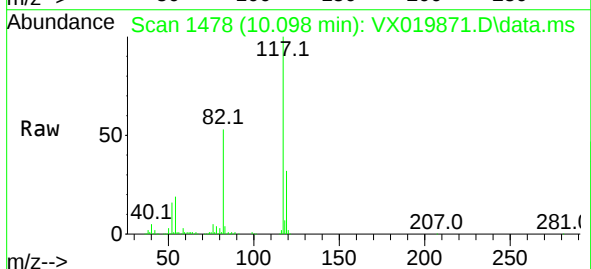
Instrument :
MSVOA_X
ClientSampleId :

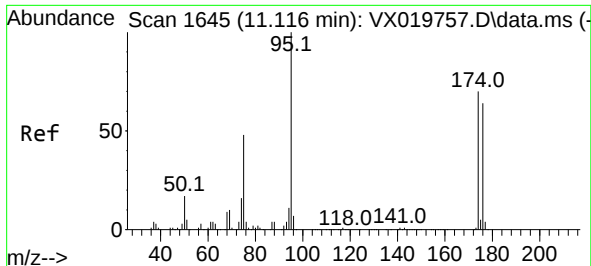
Tgt Ion:173 Resp: 683
Ion Ratio Lower Upper
173 100
175 924.0 38.1 57.1#
254 0.0 8.2 12.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

Tgt Ion:117 Resp: 248883
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.6
119 32.0 25.6 38.4

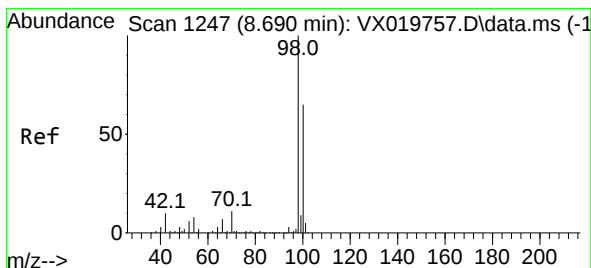
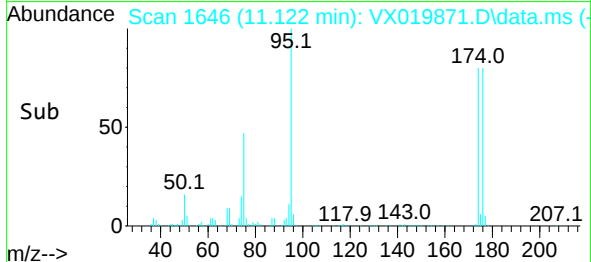
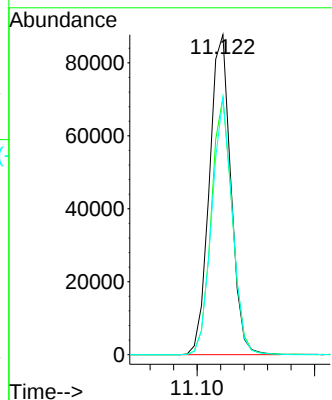
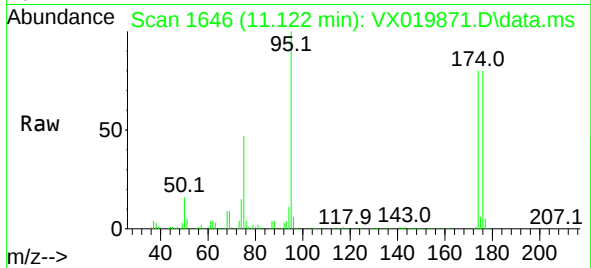




#60
4-Bromofluorobenzene
Concen: 26.61 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

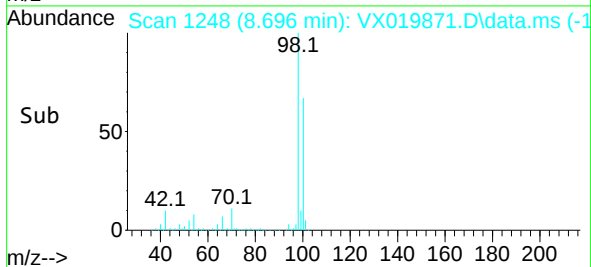
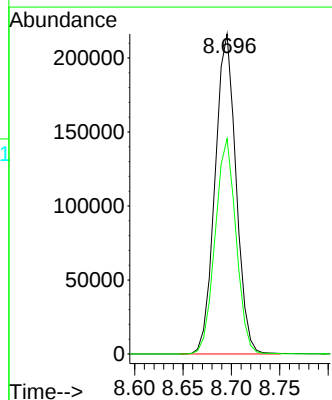
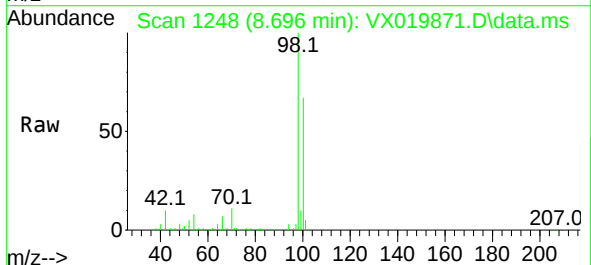
Instrument :
MSVOA_X
ClientSampleId :

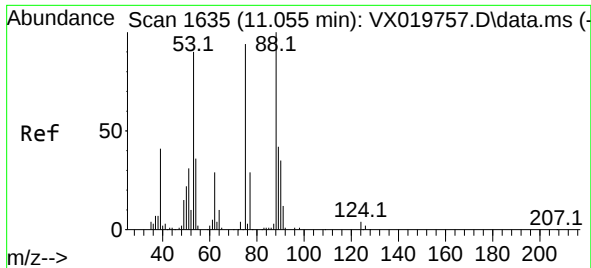
Tgt Ion: 95 Resp: 111205
Ion Ratio Lower Upper
95 100
174 78.3 63.0 94.4
176 76.6 59.9 89.9



#63
Toluene-d8
Concen: 29.89 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX019871.D
Acq: 11 Dec 2020 12:21

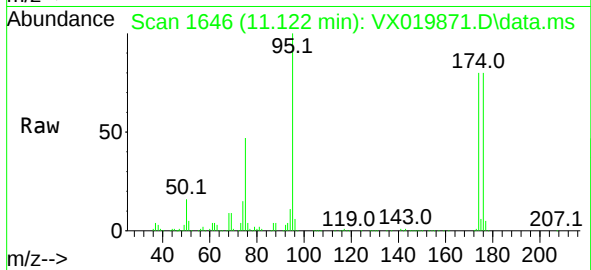
Tgt Ion: 98 Resp: 325822
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.47 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX019871.D
 Acq: 11 Dec 2020 12:21

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 53564
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.4 145.0#
 89 0.0 22.7 68.0#

