

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 :
 14B-3

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)

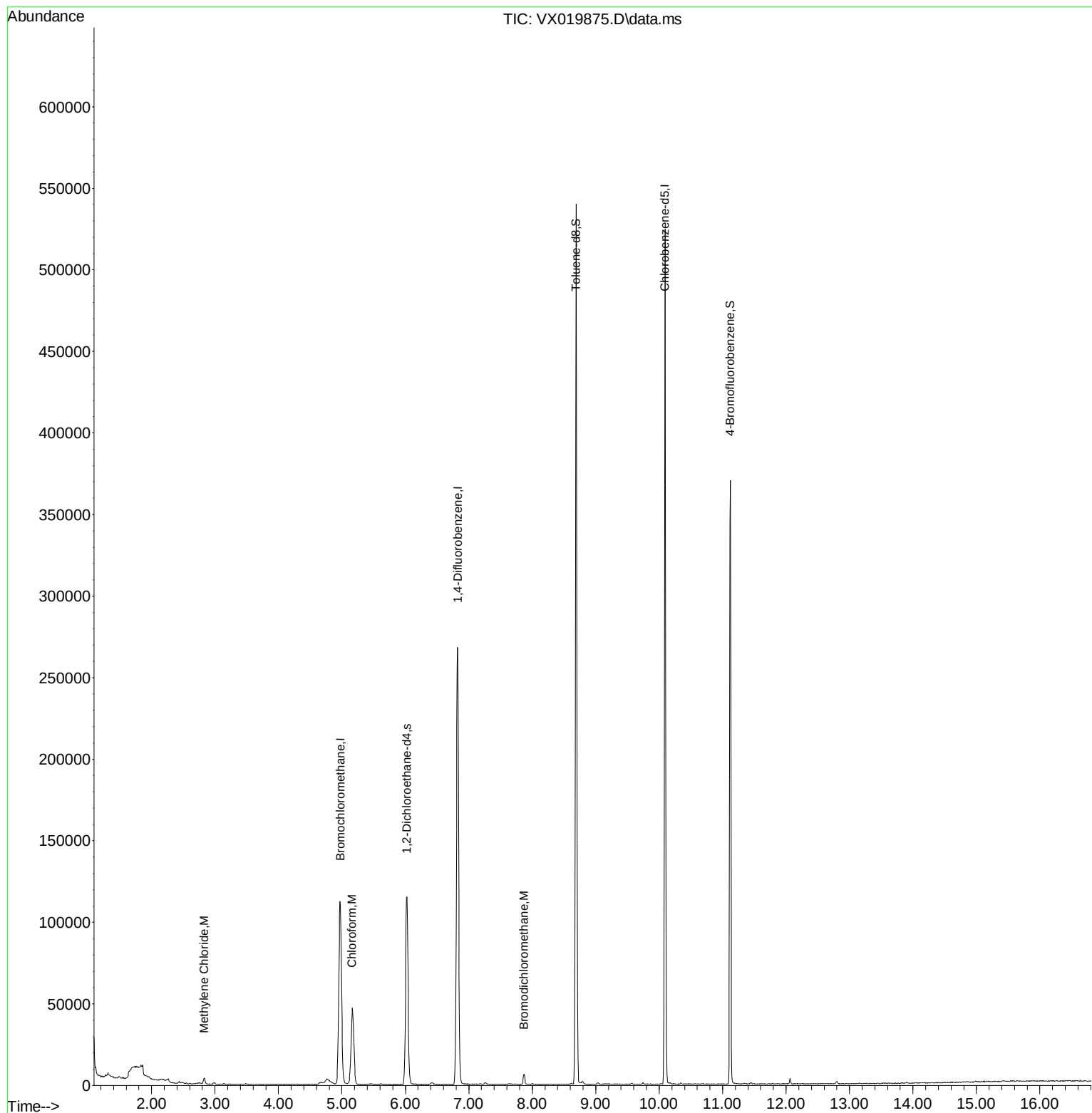
Internal Standards						
1) Bromochloromethane	4.977	128	50567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	279526	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	241235	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.019	65	111763	31.89	ug/l	0.00
Spiked Amount 30.000	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						
18) Methylene Chloride	2.831	84	1810	0.54	ug/l	90
25) Chloroform	5.160	83	57196	9.93	ug/l	95
41) Bromodichloromethane	7.872	83	4316	0.95	ug/l #	88

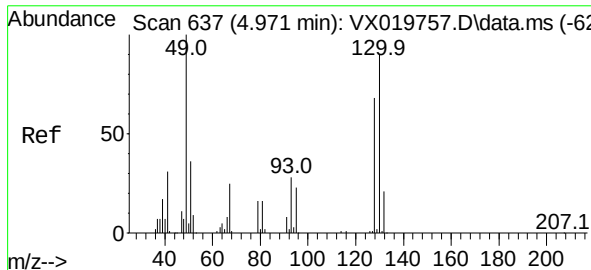
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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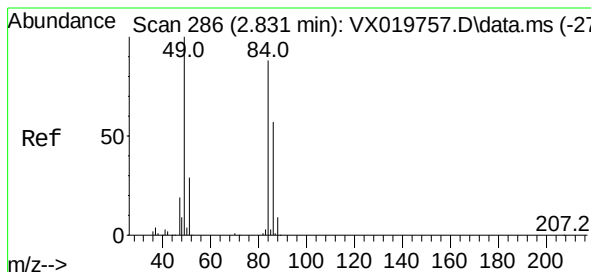
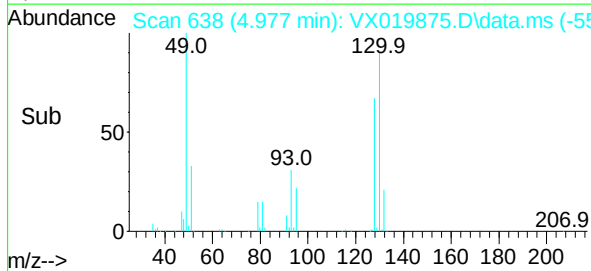
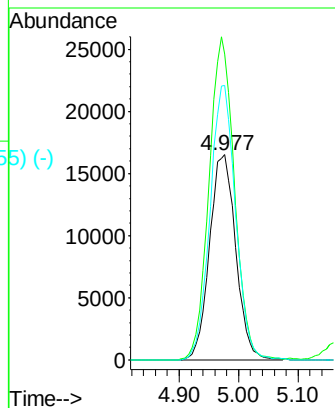
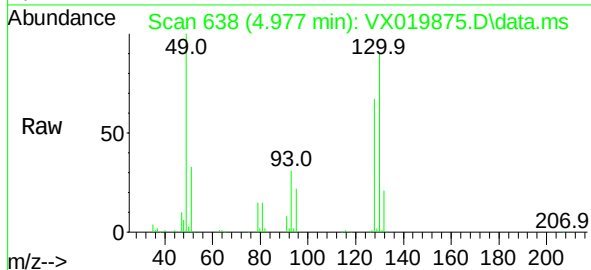




Bromochloromethane
Concen: 30.00 ug/l
RT: 4.977 min Scan# 638
Delta R.T. 0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

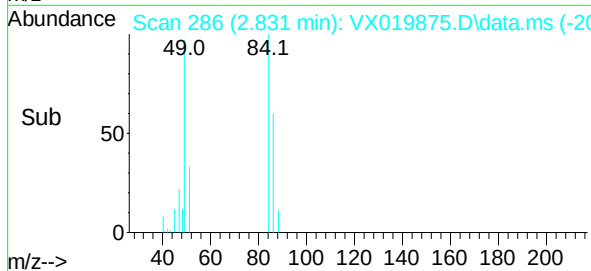
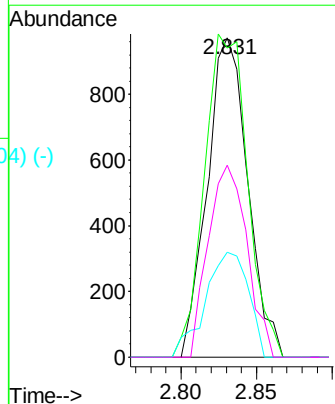
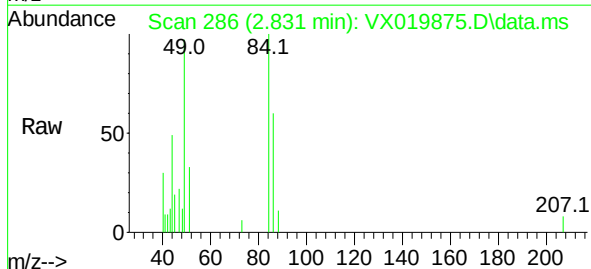
Instrument :
MSVOA_X
ClientSampleId :
14B-3

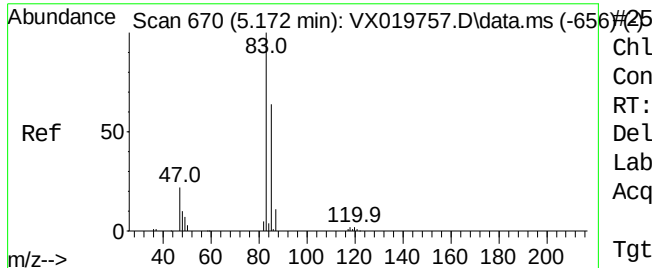
Tgt Ion:128 Resp: 50567
Ion Ratio Lower Upper
128 100
49 152.2 0.0 367.5
130 129.9 0.0 318.8



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

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

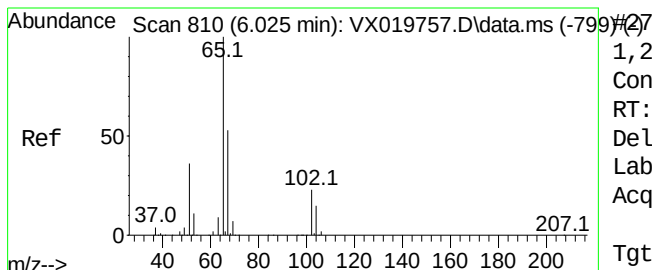
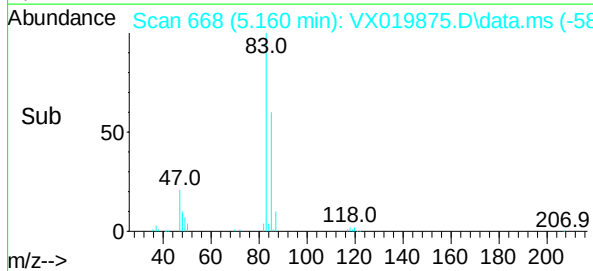
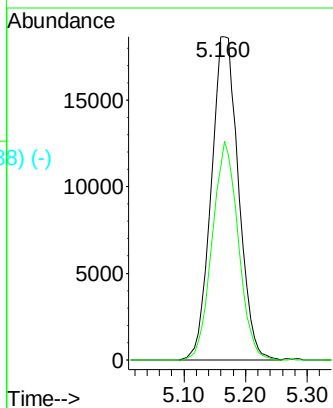
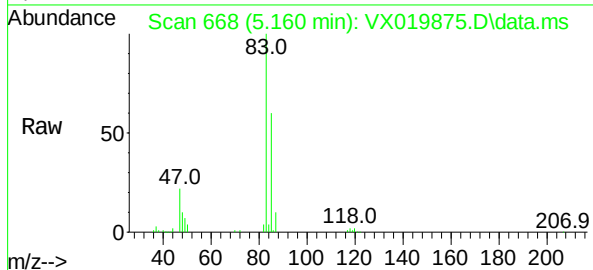




Chloroform
Concen: 9.93 ug/l
RT: 5.160 min Scan# 668
Delta R.T. -0.012 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53

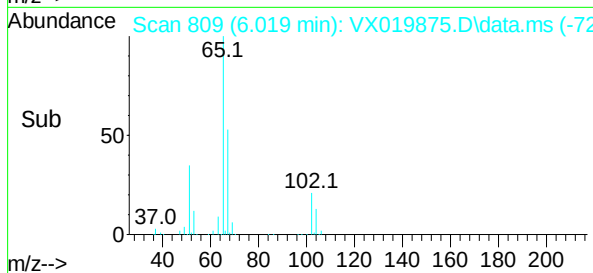
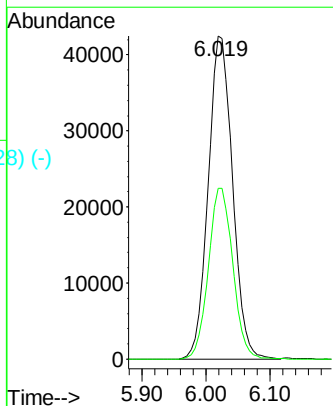
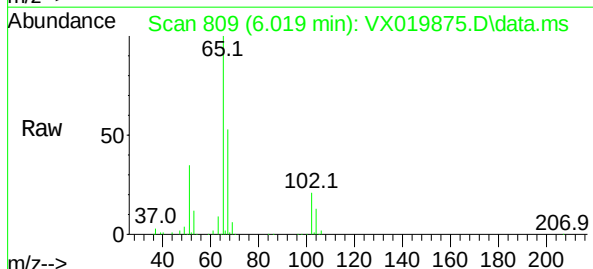
Instrument :
MSVOA_X
ClientSampleId :
14B-3

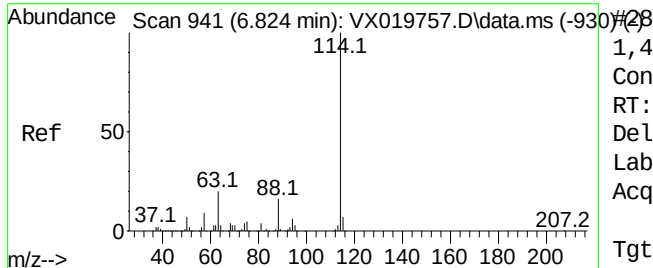
Tgt Ion: 83 Resp: 57196
Ion Ratio Lower Upper
83 100
85 59.7 51.2 76.8



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

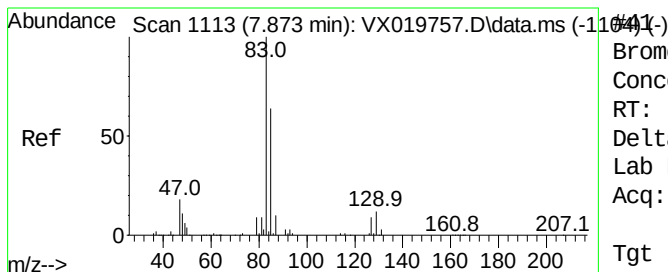
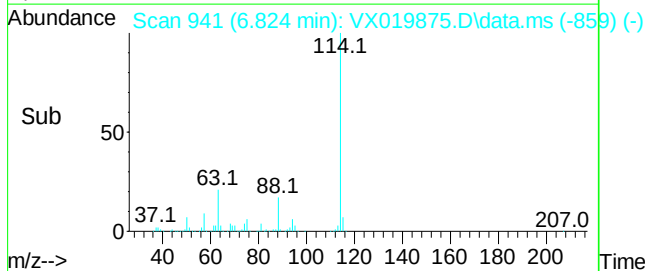
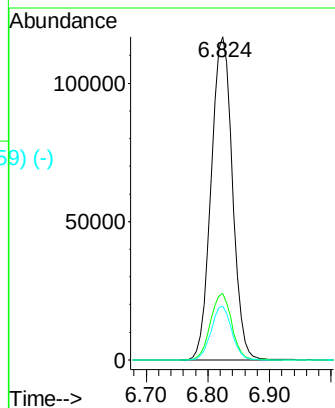
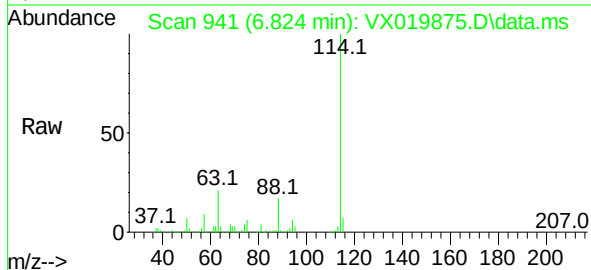




1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.824 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VX019875.D
 Acq: 11 Dec 2020 14:53

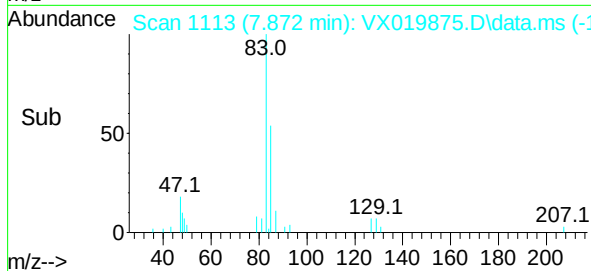
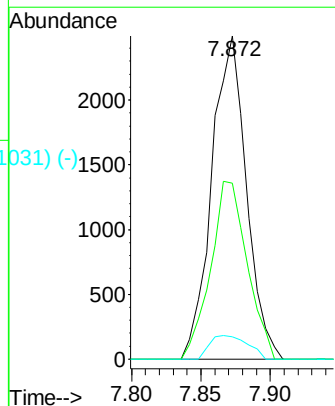
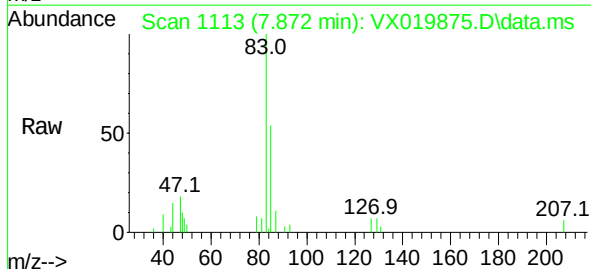
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

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



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

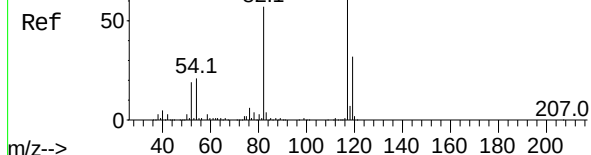
Tgt Ion:	83	Resp:	4316
Ion	Ratio	Lower	Upper
83	100		
85	54.4	51.4	77.0
127	6.8	7.1	10.7#



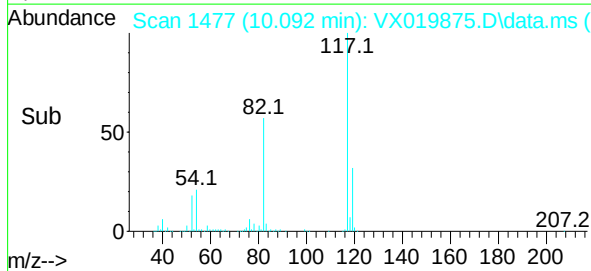
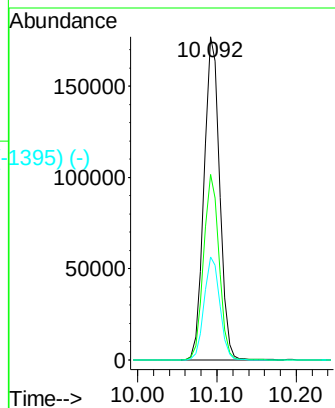
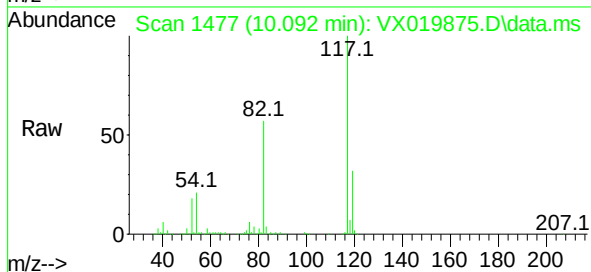
Abundance Scan 1477 (10.092 min): VX019757.D\data.ms (-1451) (-)

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 :
14B-3

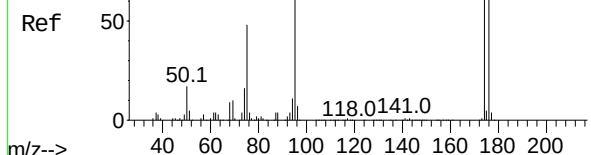


Tgt Ion:	117	Resp:	241235
Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.6
119	31.9	25.6	38.4

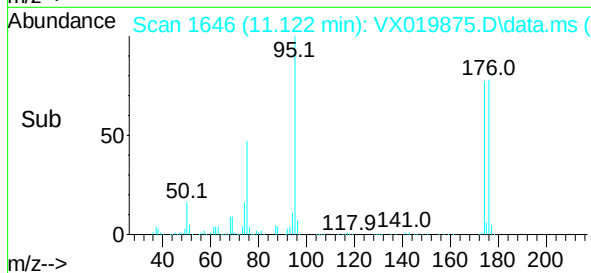
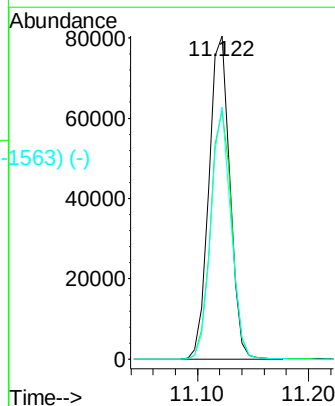
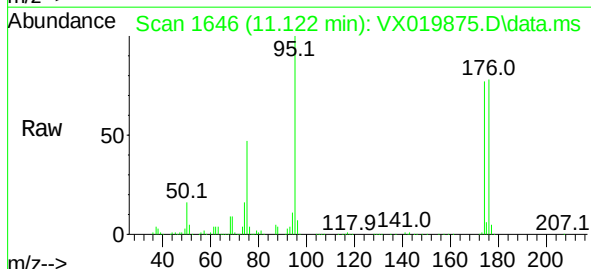


Abundance Scan 1645 (11.116 min): VX019757.D\data.ms (-1640) (-)

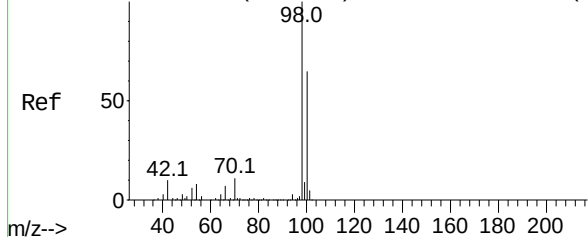
4-Bromofluorobenzene
Concen: 26.12 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX019875.D
Acq: 11 Dec 2020 14:53



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



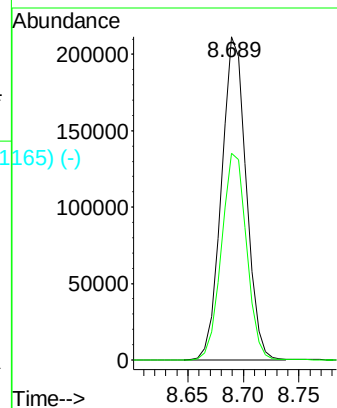
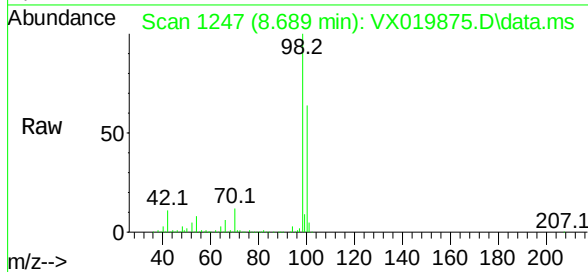
Abundance Scan 1247 (8.690 min): VX019757.D\data.ms (-12403-)



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

Instrument :
MSVOA_X
ClientSampleId :
14B-3

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



Abundance Scan 1247 (8.689 min): VX019875.D\data.ms (-1165 (-)

