

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018357.D
 Acq On : 11 Sep 2020 13:17
 Operator : JC/SP
 Sample : L3955-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Sep 12 06:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	78527	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	399551	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	368550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	189293	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	11.12	95	173449	27.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.50%
63) Toluene-d8	8.70	98	482173	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

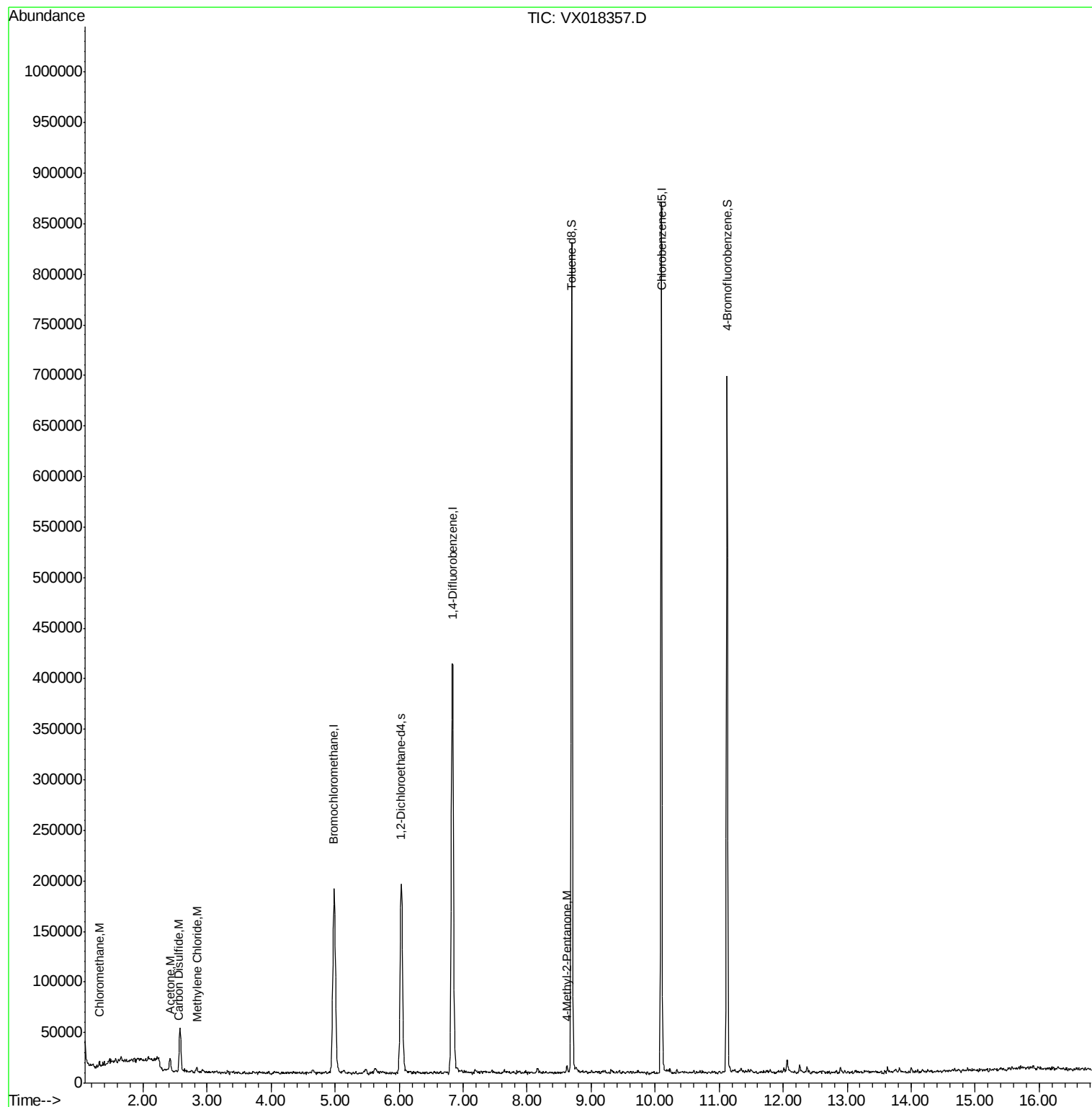
					Ovalue
3) Chloromethane	1.31	50	2905	0.658	ug/l 98
15) Acetone	2.42	58	4926	7.690	ug/l 75
16) Carbon Disulfide	2.55	76	2304	0.200	ug/l # 87
18) Methylene Chloride	2.84	84	1976	0.426	ug/l # 72
58) 4-Methyl-2-Pentanone	8.62	43	4401	0.694	ug/l # 91

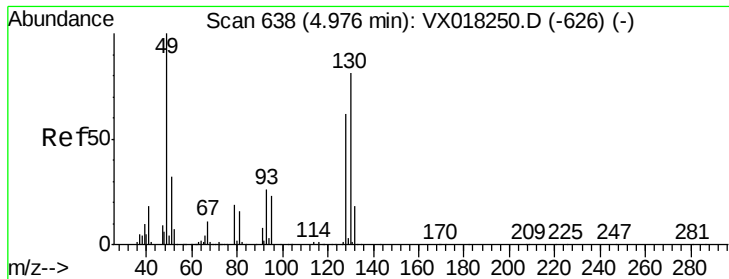
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018357.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampled :

OF-2

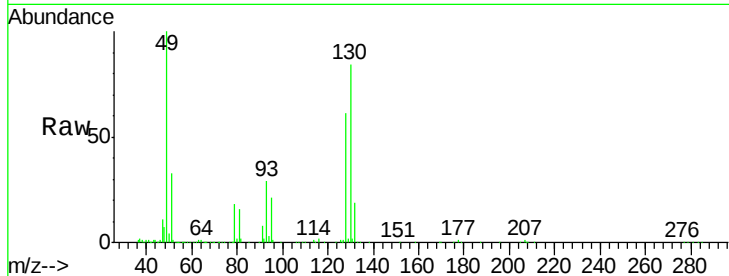
Tot Ion:128 Resp: 78527

Ion Ratio Lower Upper

128 100

49 154.6 0.0 392.0

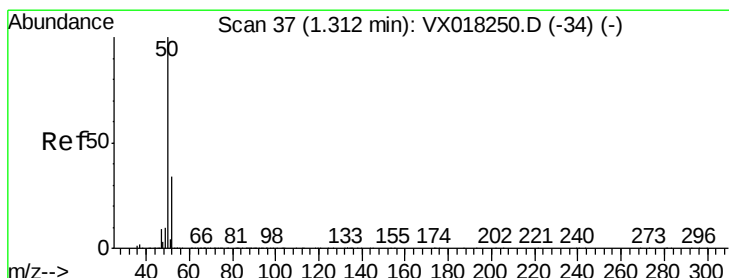
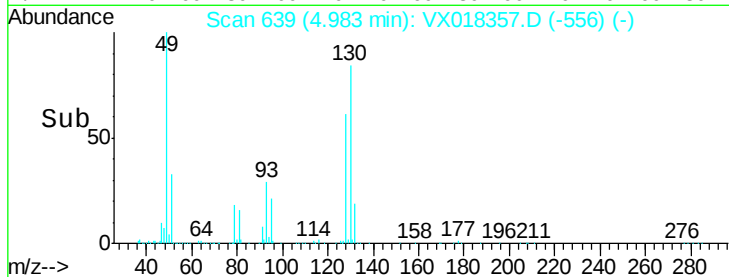
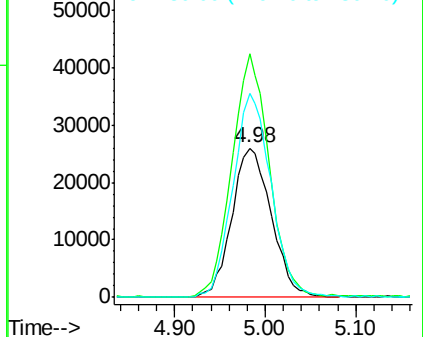
130 132.3 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.658 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018357.D

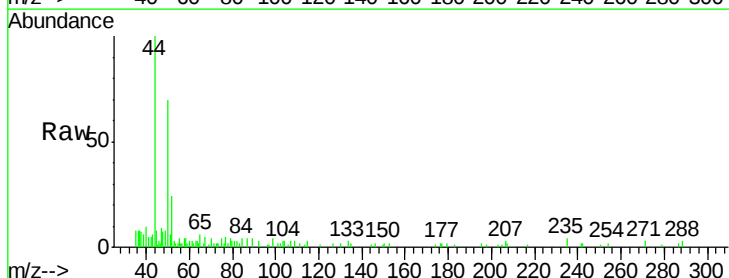
Acq: 11 Sep 2020 13:17

Tgt Ion: 50 Resp: 2905

Ion Ratio Lower Upper

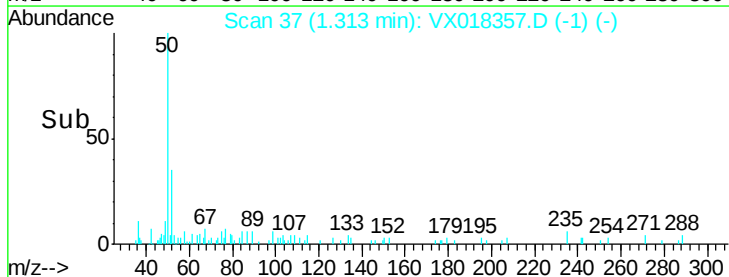
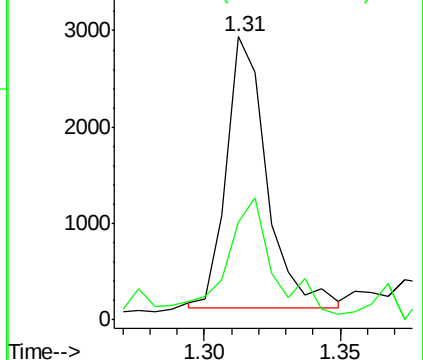
50 100

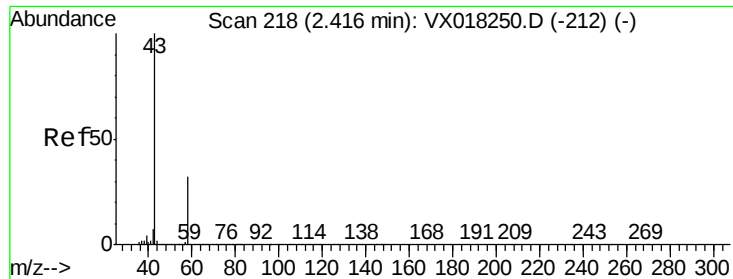
52 34.9 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#15

Acetone

Concen: 7.690 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018357.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

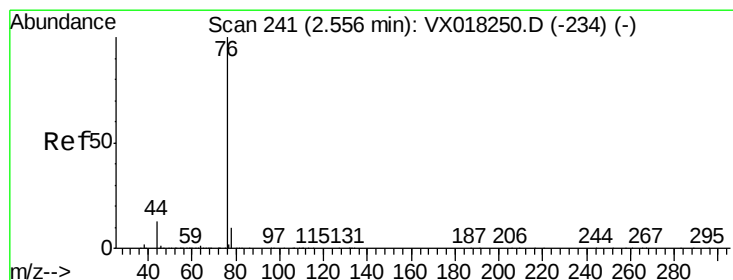
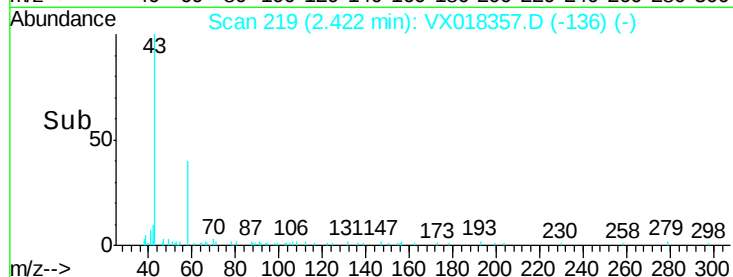
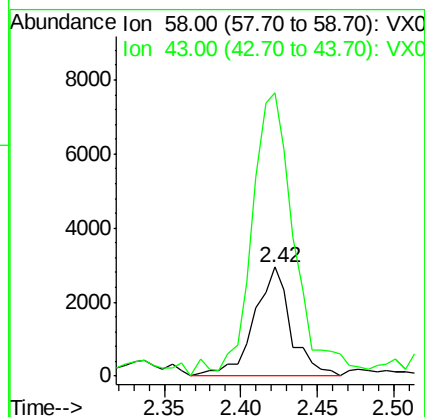
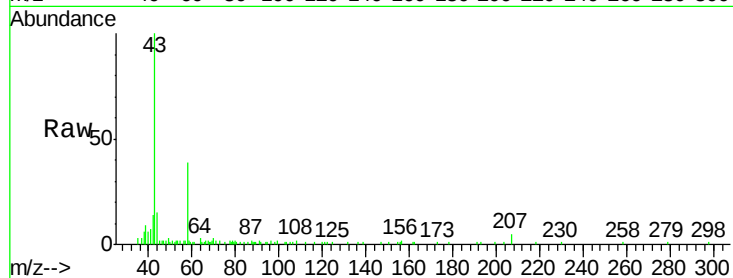
OF-2

Tot Ion: 58 Resp: 4926

Ion Ratio Lower Upper

58 100

43 259.3 248.2 372.2



#16

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX018357.D

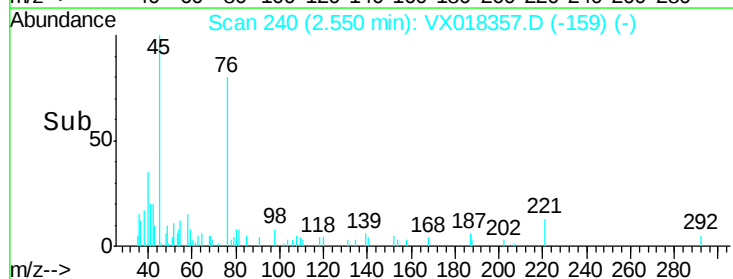
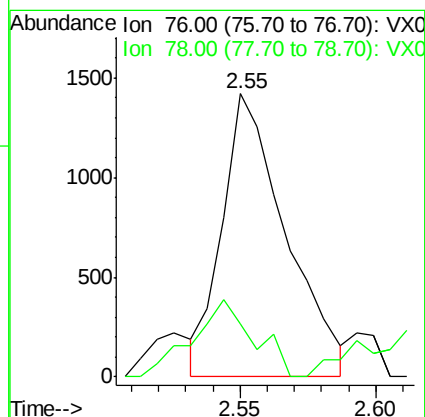
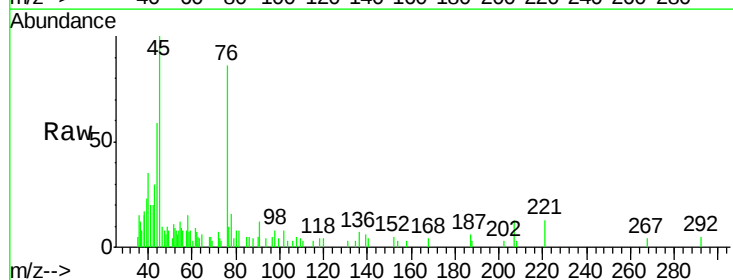
Acq: 11 Sep 2020 13:17

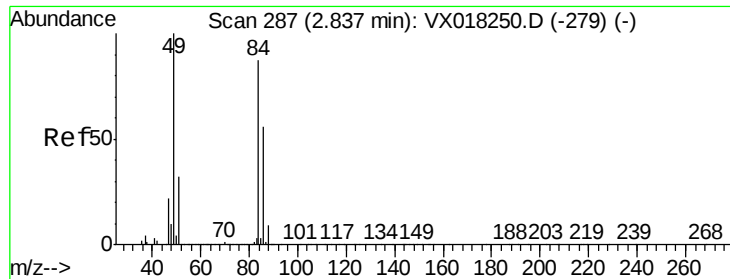
Tgt Ion: 76 Resp: 2304

Ion Ratio Lower Upper

76 100

78 14.4 7.8 11.6#

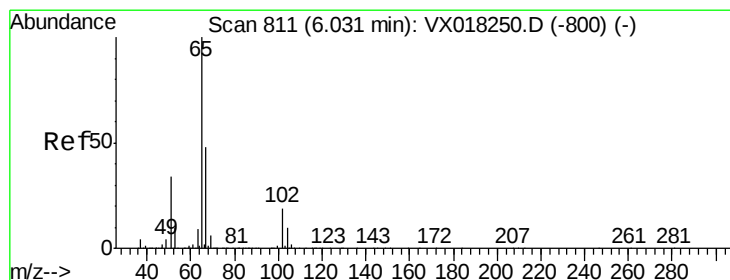
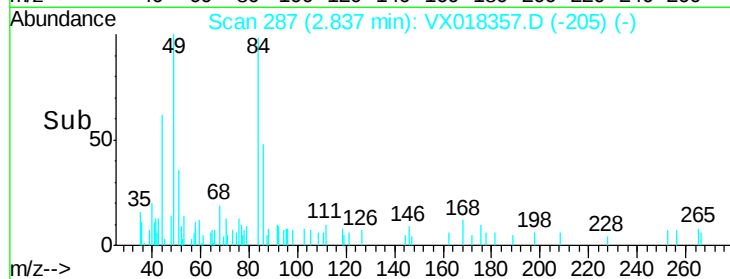
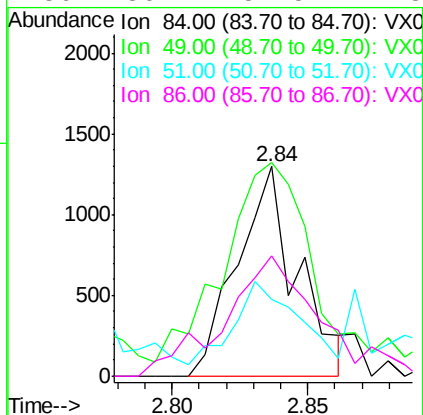
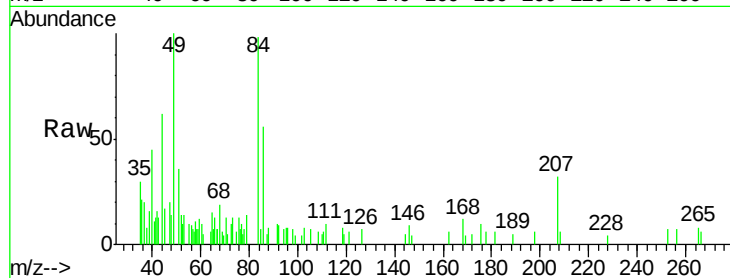




#18
Methvlene Chloride
Concen: 0.426 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018357.D
Acq: 11 Sep 2020 13:17

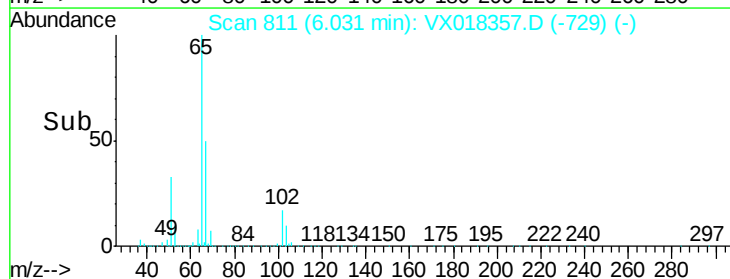
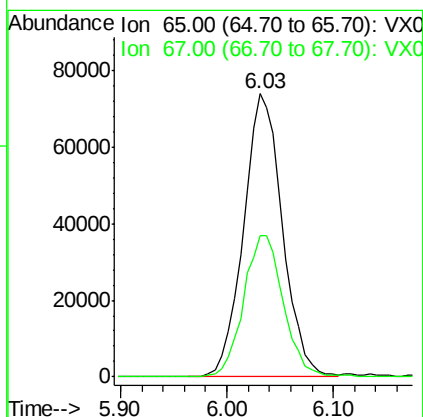
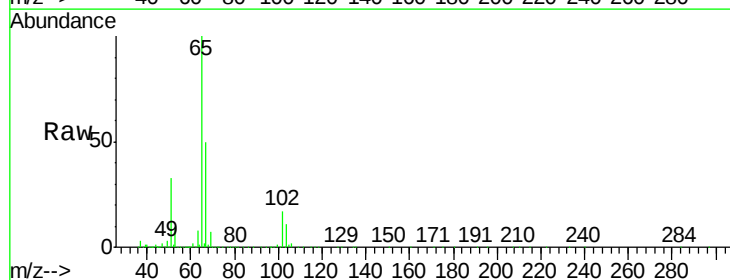
Instrument :
MSVOA_X
ClientSampleId :
OF-2

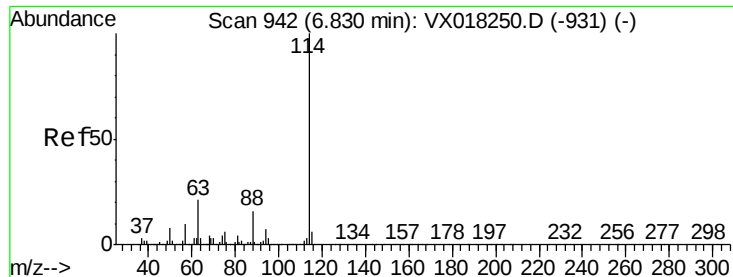
Tot Ion: 84 Resp: 1976
Ion Ratio Lower Upper
84 100
49 82.0 91.6 137.4#
51 30.7 29.4 44.0
86 36.4 51.5 77.3#



#27
1,2-Dichloroethane-d4
Concen: 30.554 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX018357.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 65 Resp: 189293
Ion Ratio Lower Upper
65 100
67 50.6 39.9 59.9

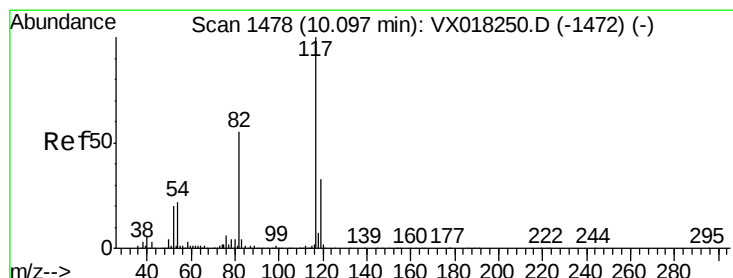
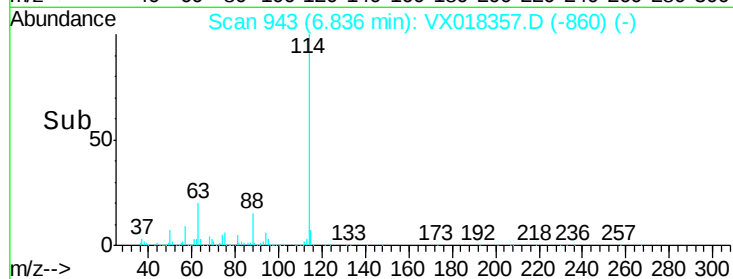
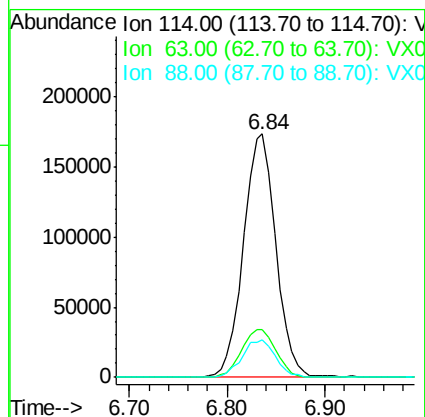
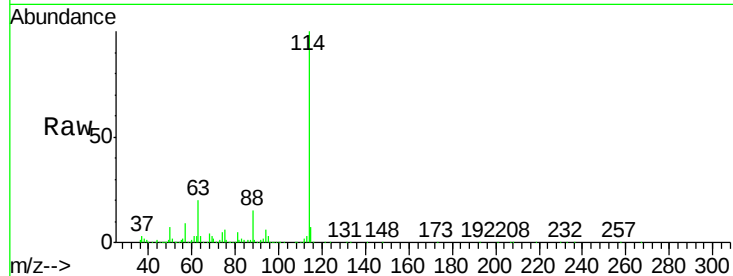




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.01 min
Lab File: VX018357.D
Acq: 11 Sep 2020 13:17

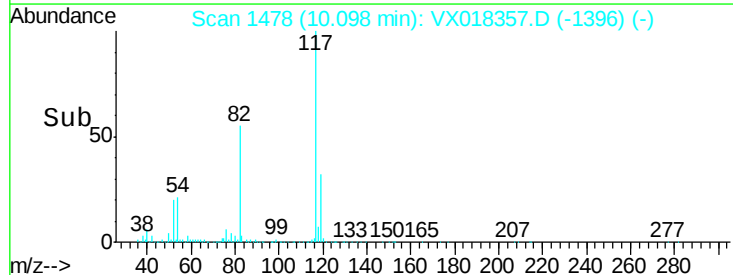
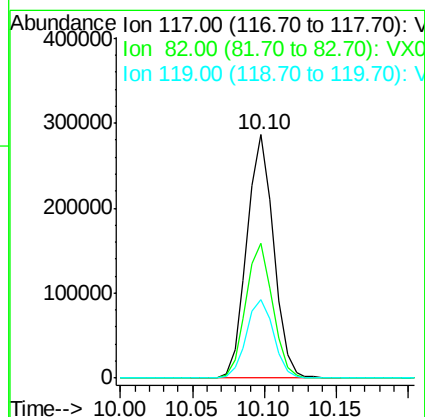
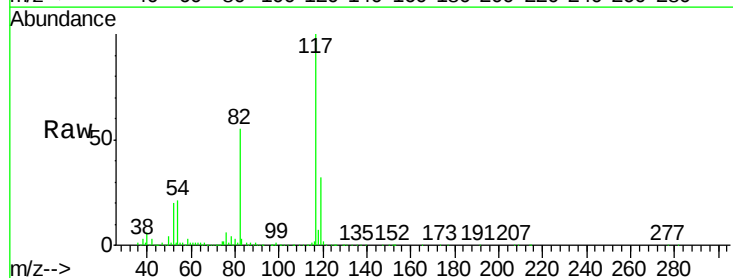
Instrument :
MSVOA_X
ClientSampled :
OF-2

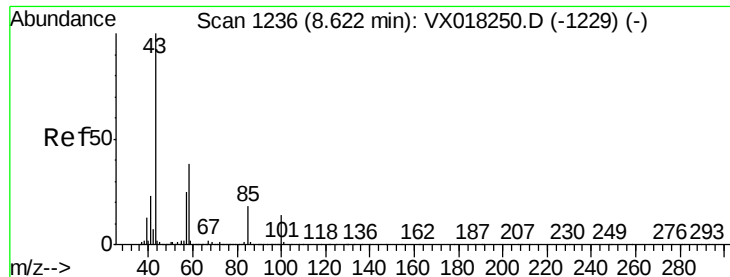
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.7	25.1
88	15.9	12.6	18.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018357.D
Acq: 11 Sep 2020 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.4
119	32.9	26.1	39.1

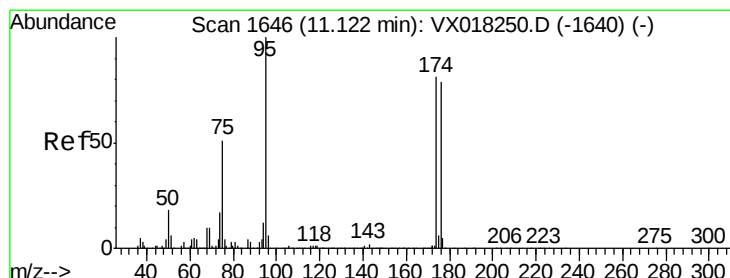
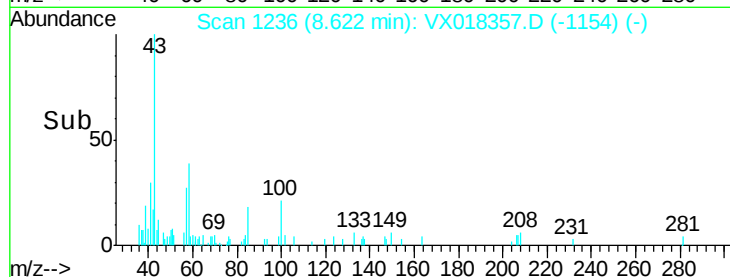
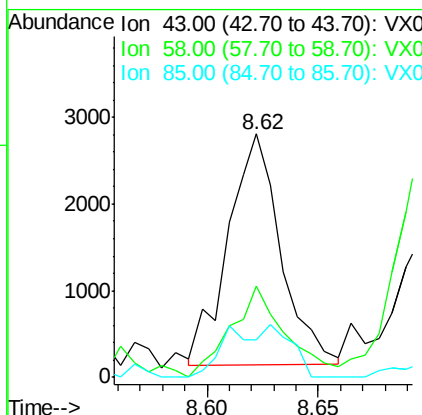
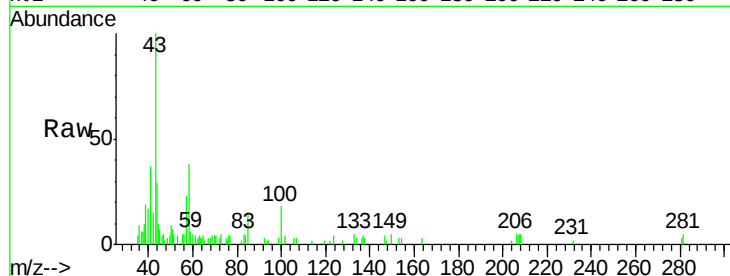




#58
 4-Methyl-2-Pentanone
 Concen: 0.694 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018357.D
 Acq: 11 Sep 2020 13:17

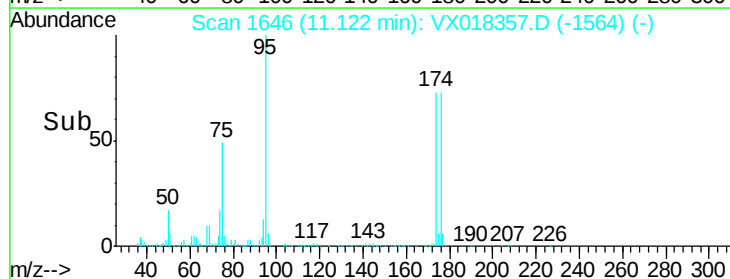
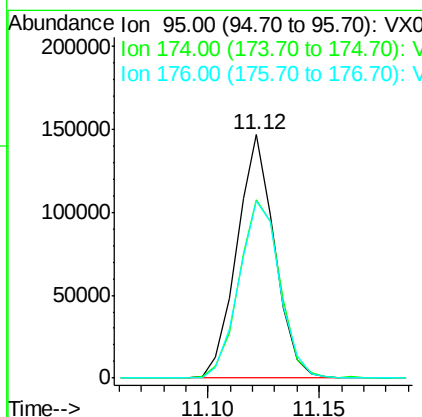
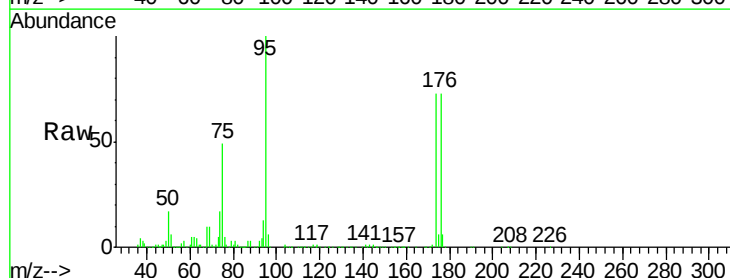
Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

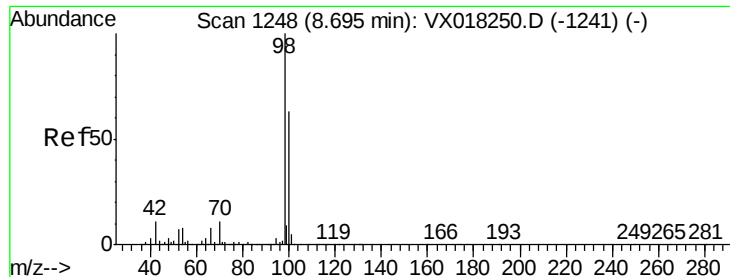
Tot Ion: 43 Resp: 4401
 Ion Ratio Lower Upper
 43 100
 58 41.4 30.0 45.0
 85 11.9 14.2 21.4#



#60
 4-Bromofluorobenzene
 Concen: 27.153 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX018357.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 95 Resp: 173449
 Ion Ratio Lower Upper
 95 100
 174 79.0 64.2 96.4
 176 78.3 62.2 93.4





#63

Toluene-d8

Concen: 29.683 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018357.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_X

ClientSampleId :

OF-2

Tot Ion: 98 Resp: 482173

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0

