

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018482.D
 Acq On : 18 Sep 2020 11:03
 Operator : JC/SP
 Sample : VX0918WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL01

Quant Time: Sep 19 01:51:19 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	80527	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	412422	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	373961	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	195297	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	11.12	95	174034	26.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.50%
63) Toluene-d8	8.70	98	482689	29.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.60%

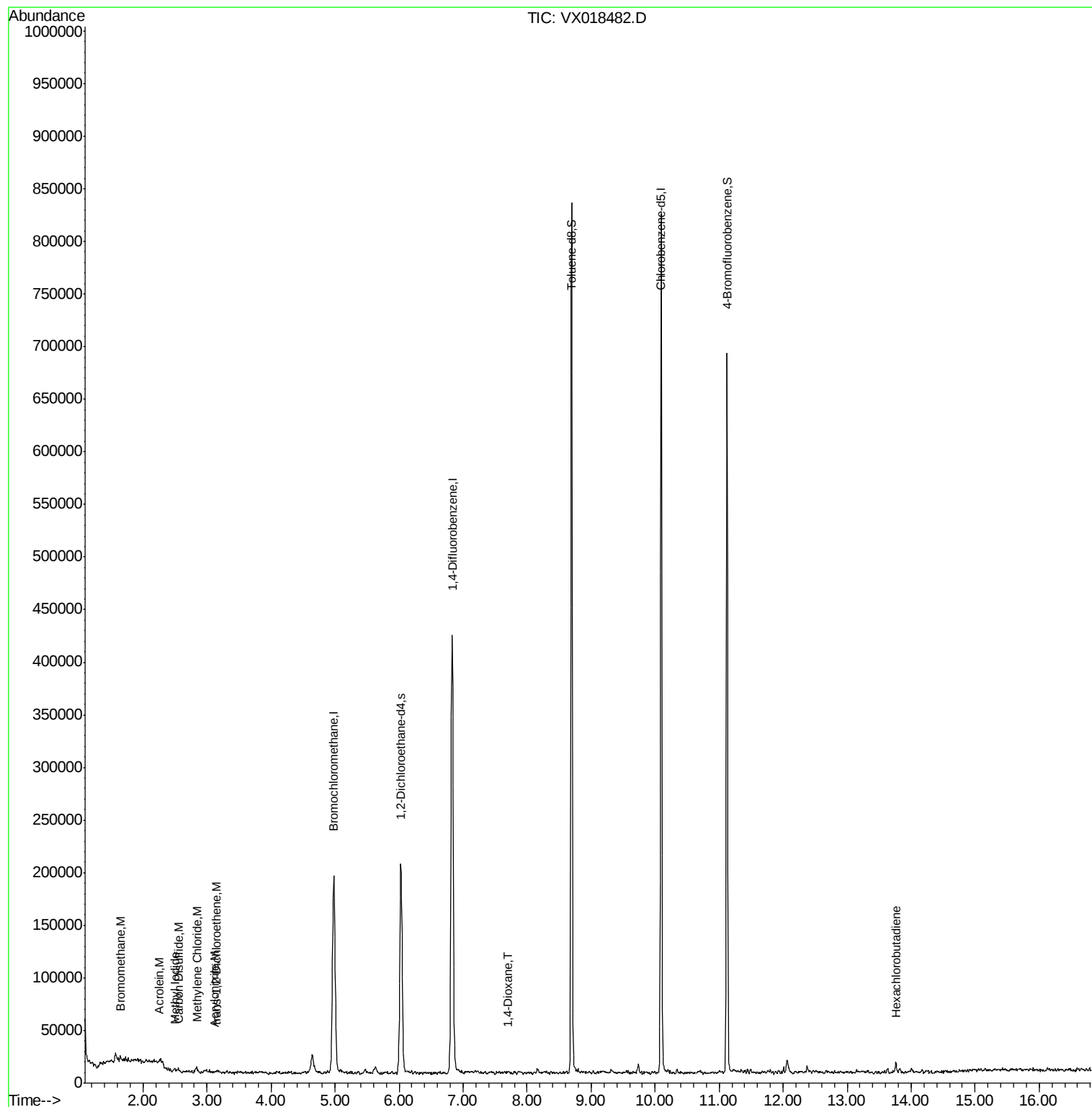
Target Compounds					Ovalue
5) Bromomethane	1.64	94	1758	0.542 ug/l	86
11) Methyl Iodide	2.50	142	2392	7.945 ug/l #	52
13) Acrolein	2.26	56	336	0.781 ug/l	99
14) Acrylonitrile	3.12	53	681	0.282 ug/l	77
16) Carbon Disulfide	2.55	76	3236	0.274 ug/l #	72
18) Methylene Chloride	2.84	84	2645	0.556 ug/l #	83
19) trans-1,2-Dichloroethene	3.14	96	979	0.218 ug/l #	72
45) 1,4-Dioxane	7.71	88	88	0.954 ug/l #	1
90) Hexachlorobutadiene	13.77	225	1045	0.381 ug/l #	48

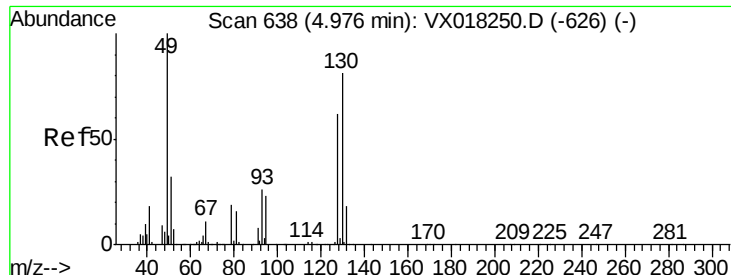
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091820\
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MSVOA_X
ClientSampleId :
VX0918WBL01

Quant Time: Sep 19 01:51:19 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL01

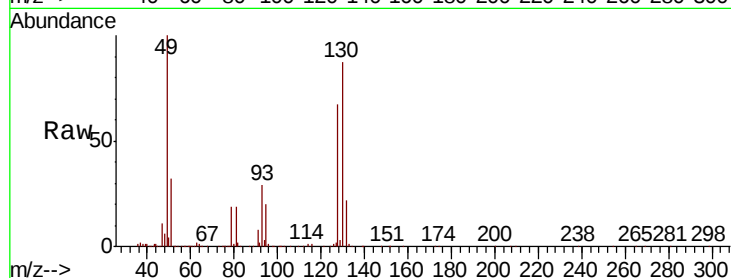
Tot Ion:128 Resp: 80527

Ion Ratio Lower Upper

128 100

49 154.4 0.0 392.0

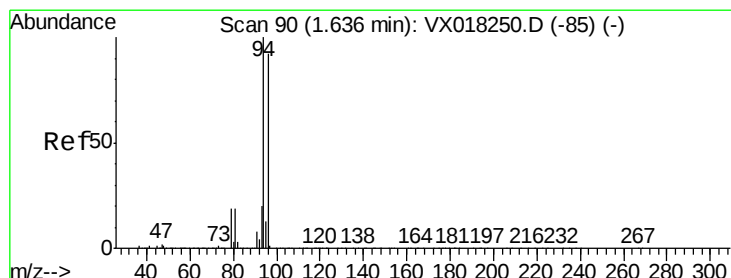
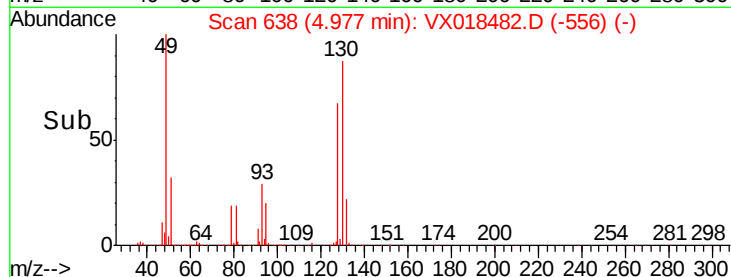
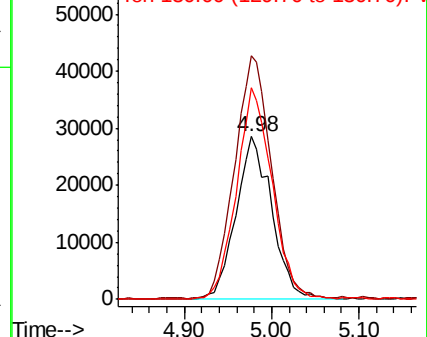
130 130.3 0.0 320.2



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



#5

Bromomethane

Concen: 0.542 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX018482.D

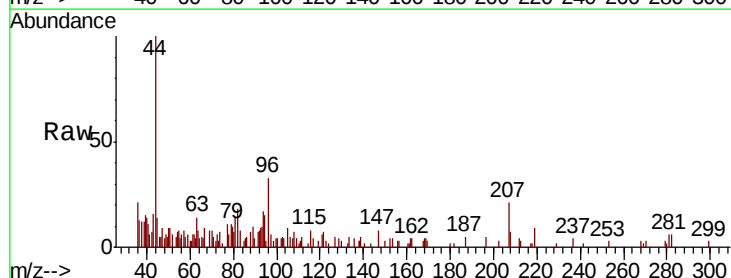
Acq: 18 Sep 2020 11:03

Tgt Ion: 94 Resp: 1758

Ion Ratio Lower Upper

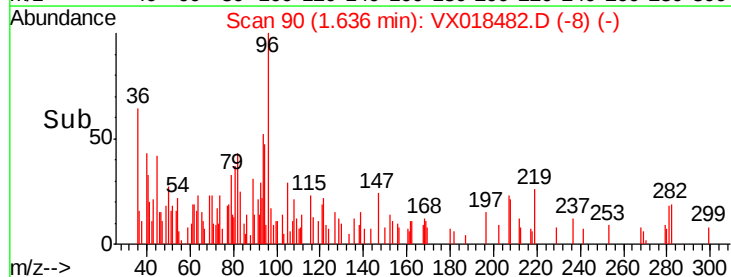
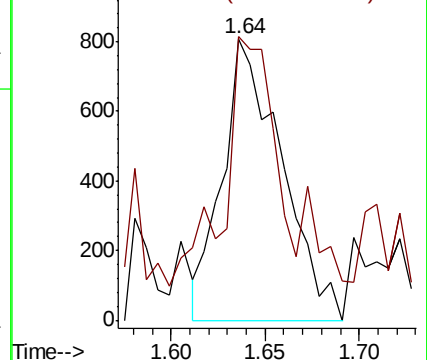
94 100

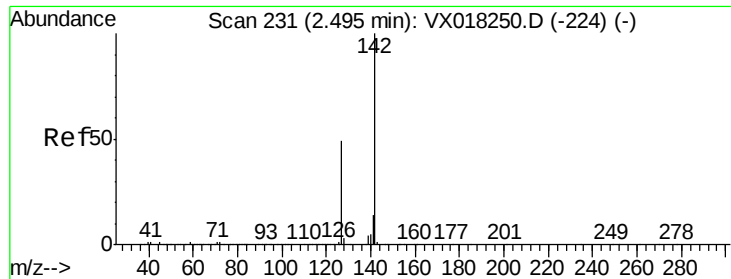
96 79.5 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

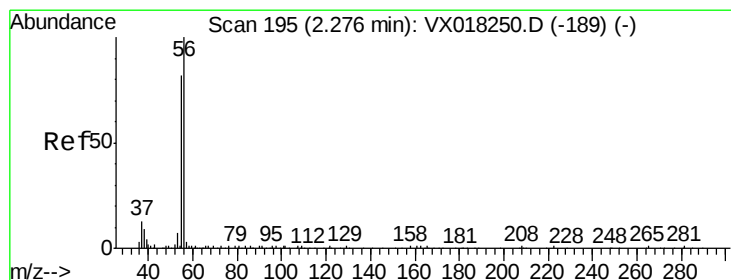
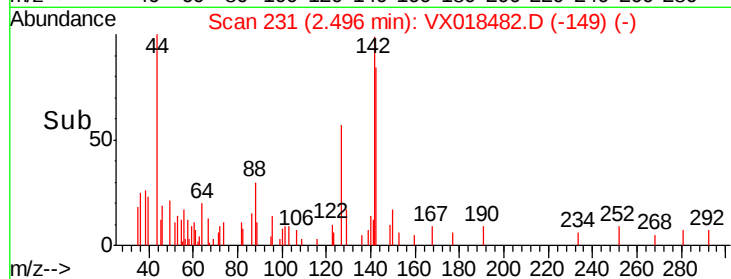
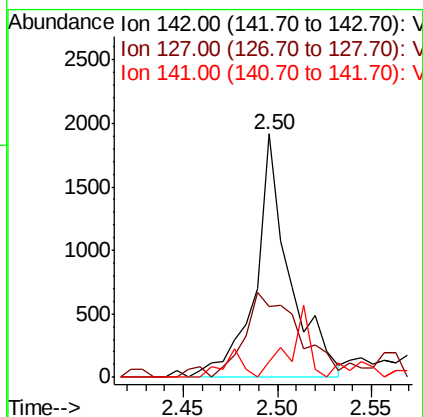
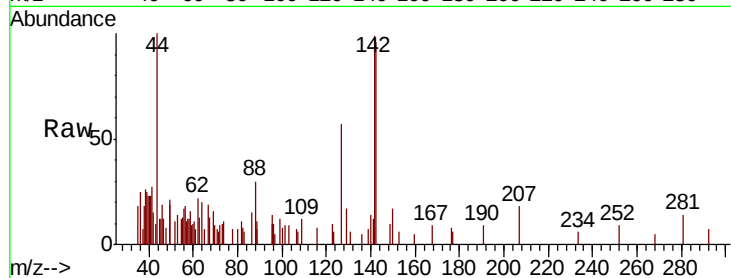




#11
Methvl Iodide
Concen: 7.945 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

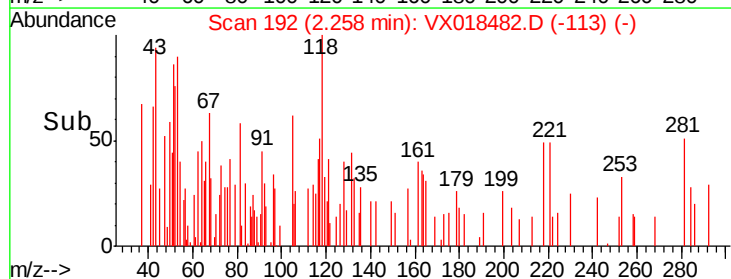
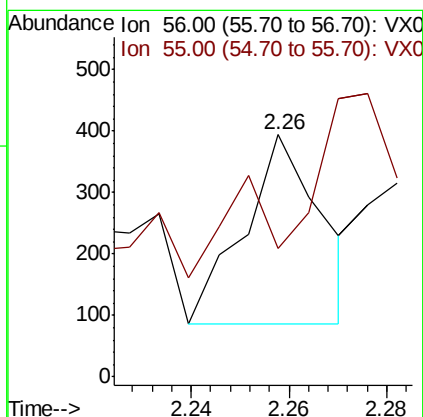
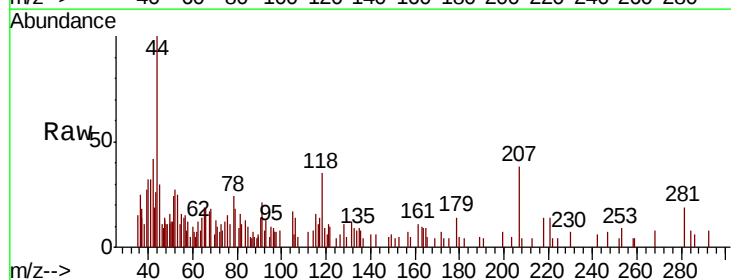
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

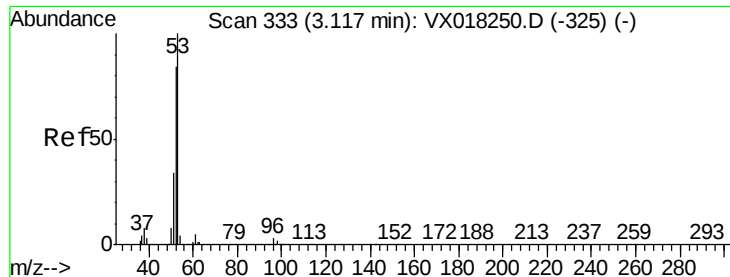
Tot Ion:142 Resp: 2392
Ion Ratio Lower Upper
142 100
127 26.9 24.6 74.0
141 55.4 7.0 21.0#



#13
Acrolein
Concen: 0.781 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 74.1 59.7 89.5





#14

Acrylonitrile

Concen: 0.282 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBL01

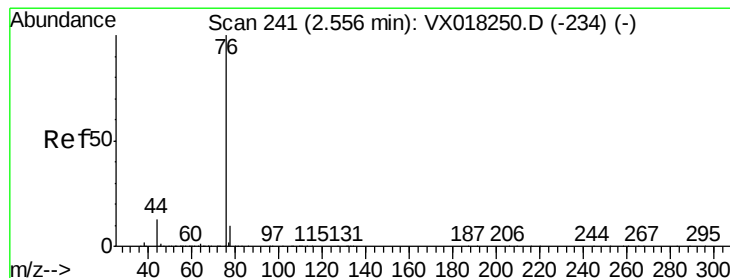
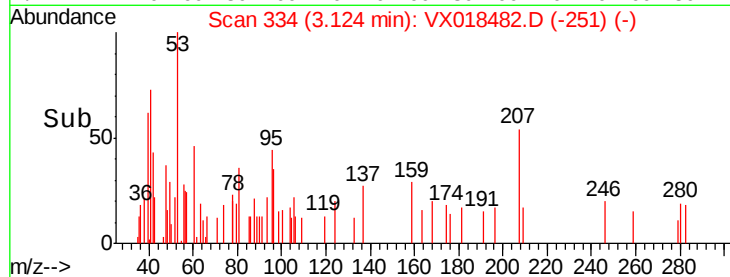
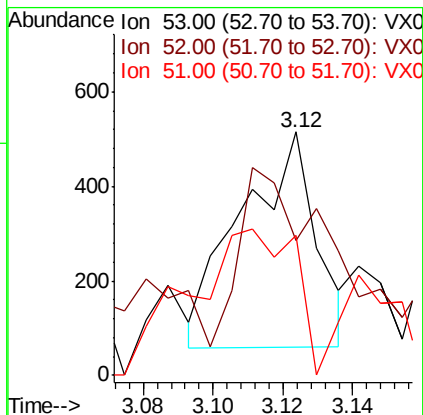
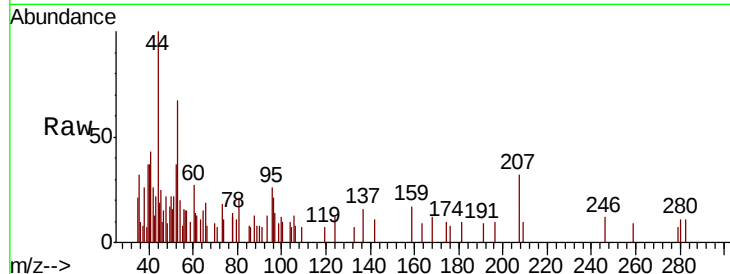
Tot Ion: 53 Resp: 681

Ion Ratio Lower Upper

53 100

52 57.1 41.9 125.7

51 41.7 18.3 54.8



#16

Carbon Disulfide

Concen: 0.274 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX018482.D

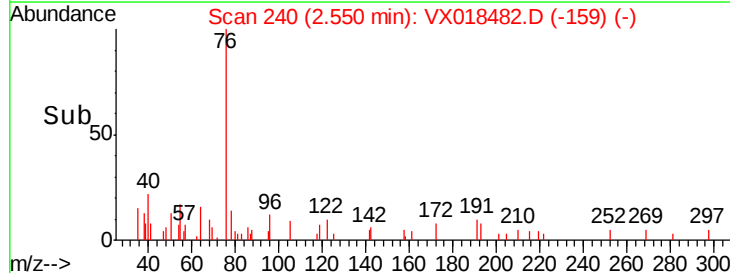
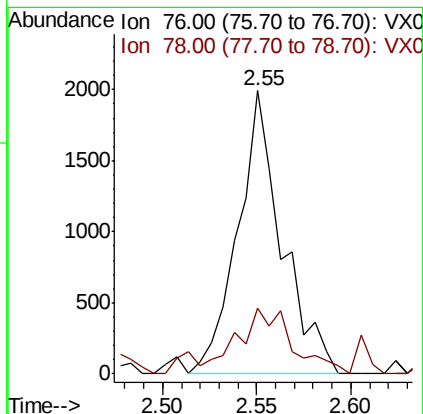
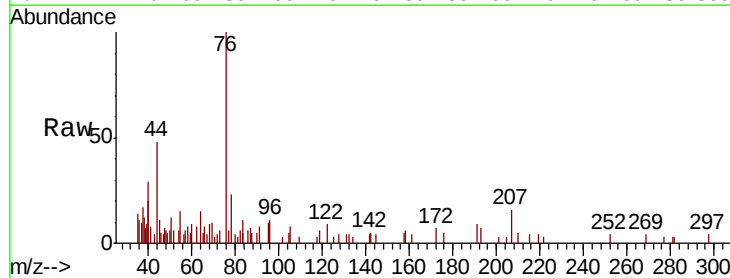
Acq: 18 Sep 2020 11:03

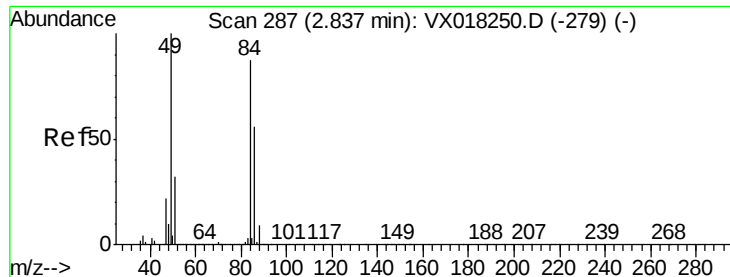
Tgt Ion: 76 Resp: 3236

Ion Ratio Lower Upper

76 100

78 20.1 7.8 11.6#

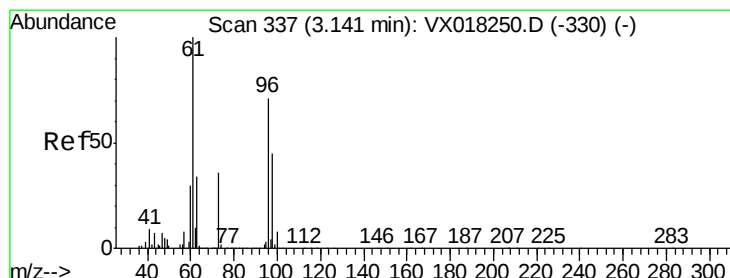
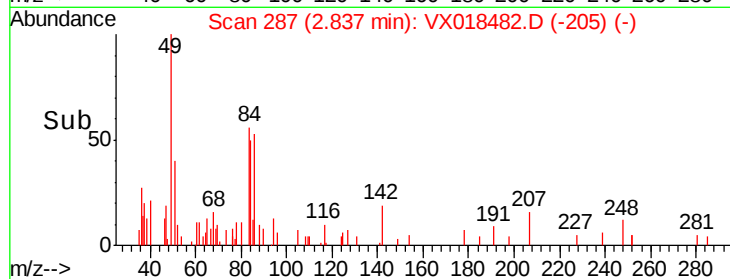
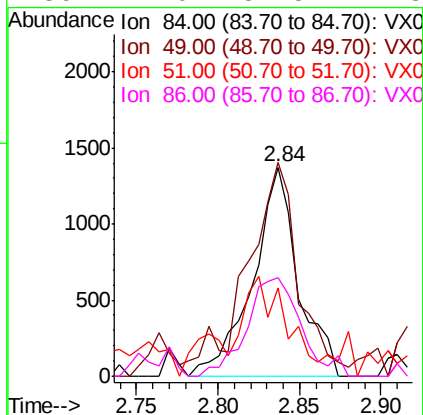
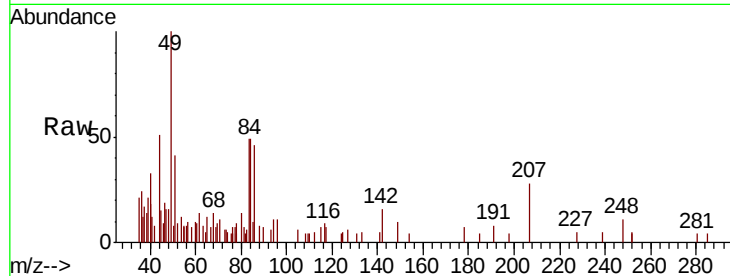




#18
Methvlene Chloride
Concen: 0.556 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

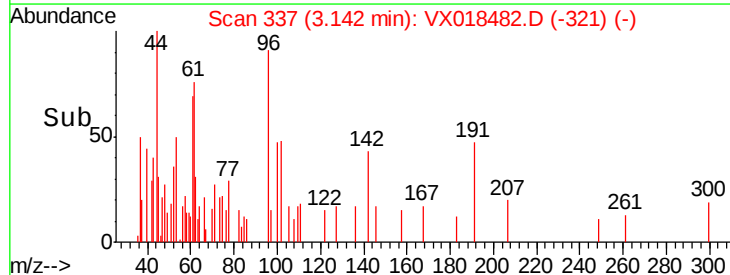
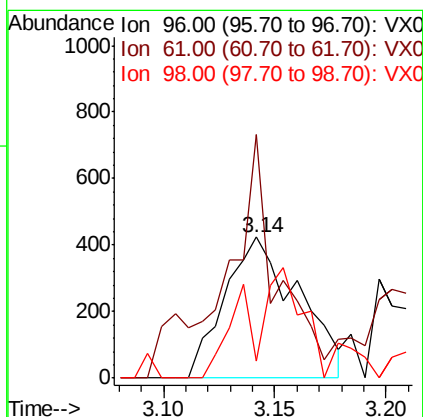
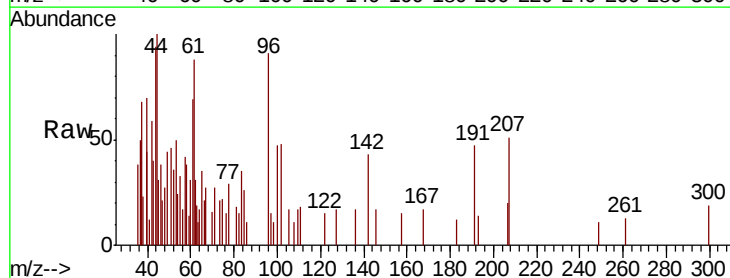
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

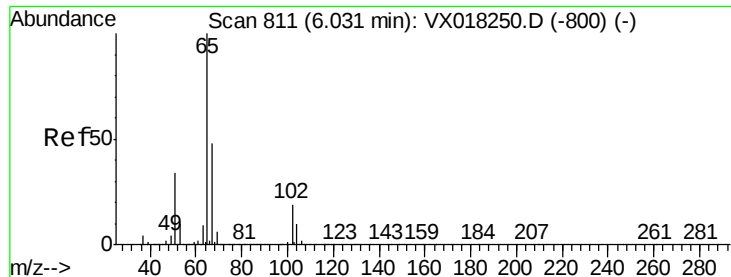
Tot Ion: 84 Resp: 2645
Ion Ratio Lower Upper
84 100
49 95.3 91.6 137.4
51 34.4 29.4 44.0
86 47.0 51.5 77.3#



#19
trans-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

Tgt Ion: 96 Resp: 979
Ion Ratio Lower Upper
96 100
61 144.8 112.8 169.2
98 0.0 51.0 76.4#





#27

1,2-Dichloroethane-d4

Concen: 30.741 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

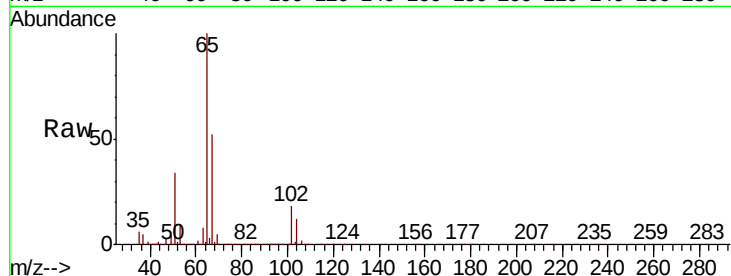
VX0918WBL01

Tot Ion: 65 Resp: 195297

Ion Ratio Lower Upper

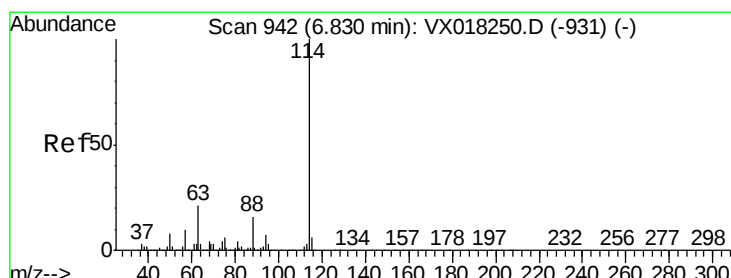
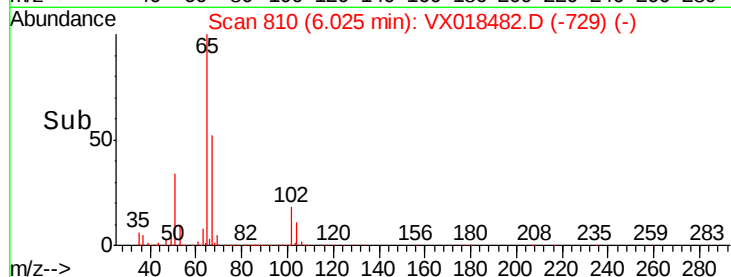
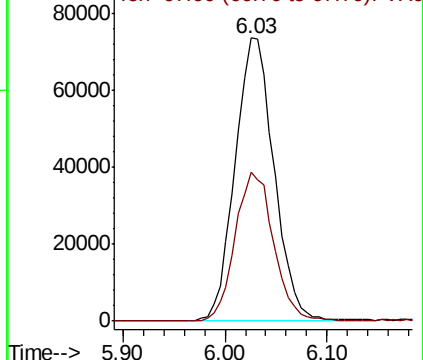
65 100

67 51.8 39.9 59.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

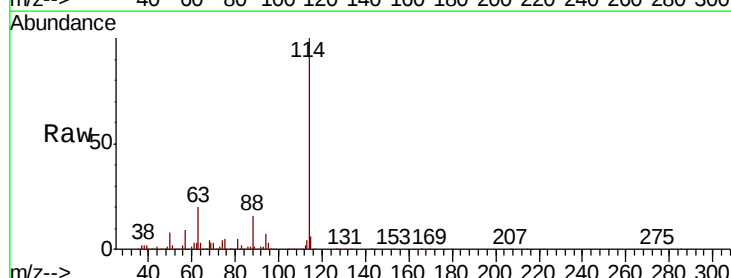
Tgt Ion: 114 Resp: 412422

Ion Ratio Lower Upper

114 100

63 20.9 16.7 25.1

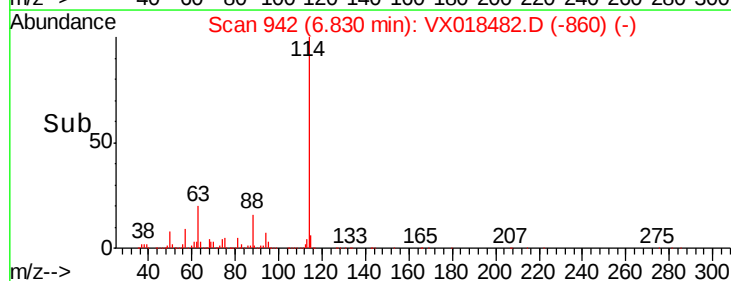
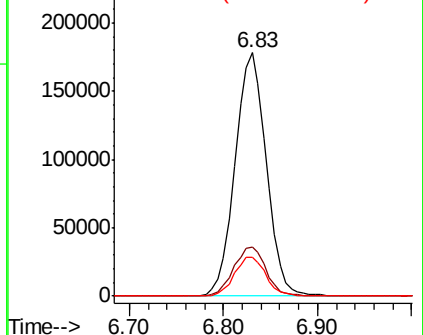
88 16.1 12.6 18.8

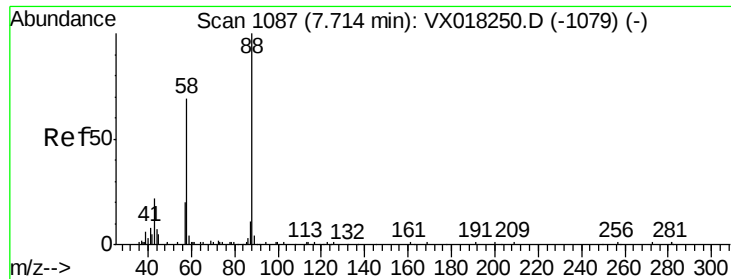


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 0.954 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0918WBL01

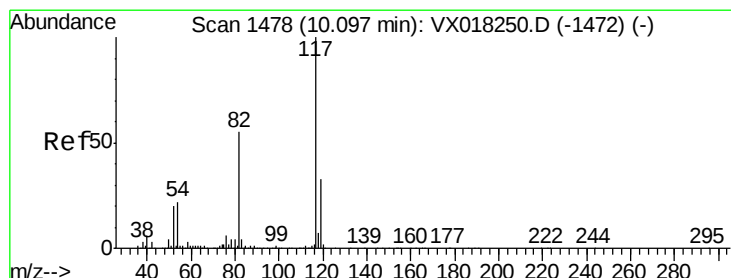
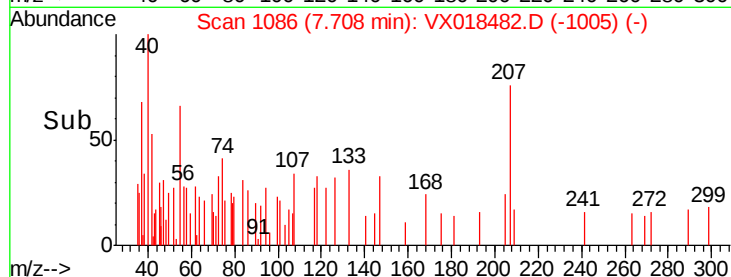
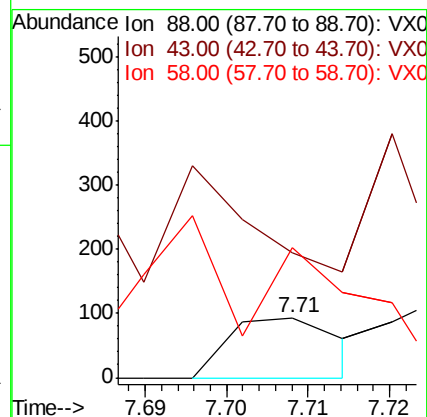
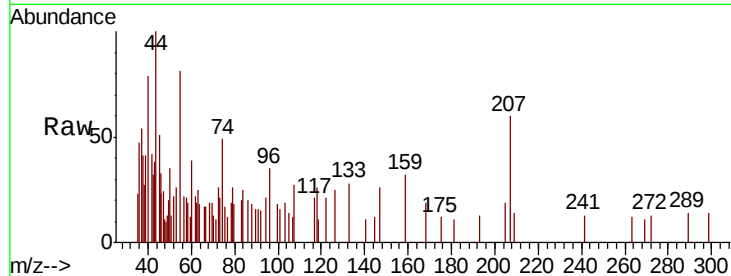
Tot Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 138.6 13.6 20.4#

58 187.5 58.2 87.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018482.D

Acq: 18 Sep 2020 11:03

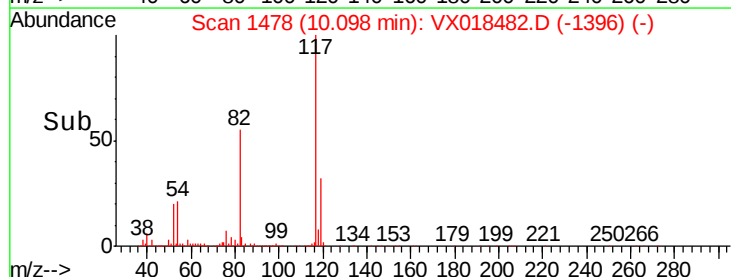
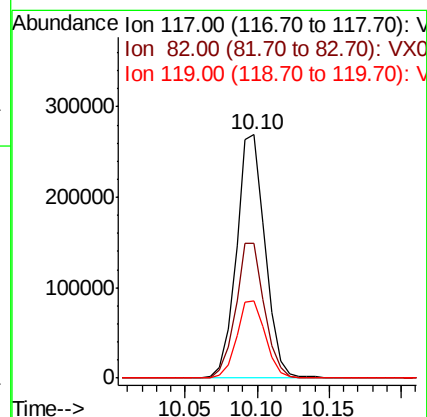
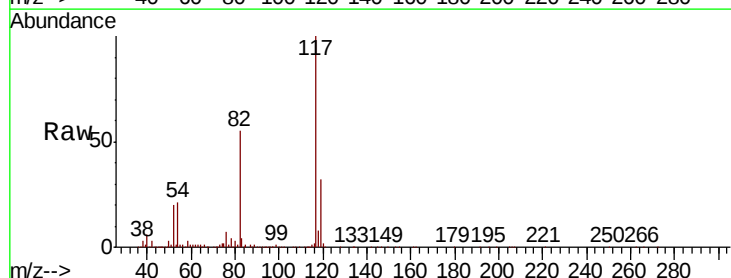
Tgt Ion: 117 Resp: 373961

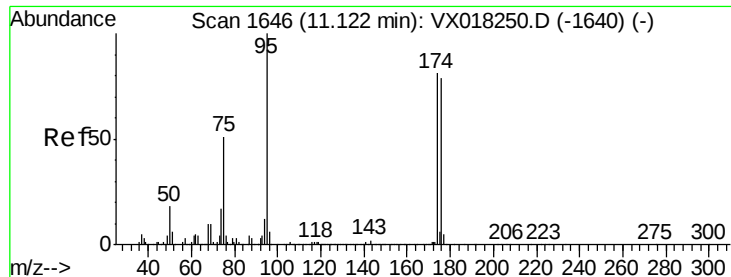
Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.4

119 31.6 26.1 39.1

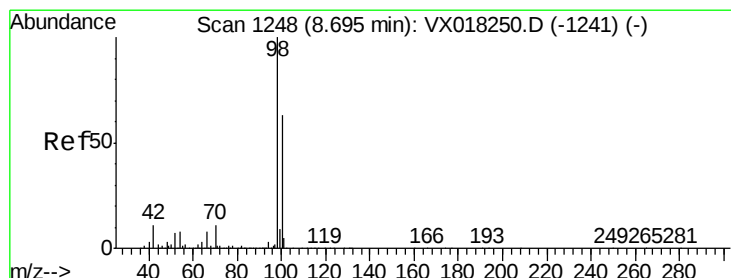
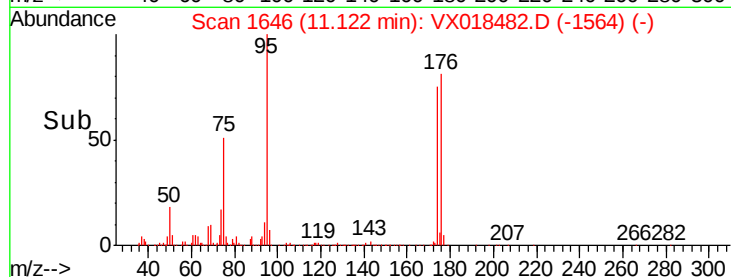
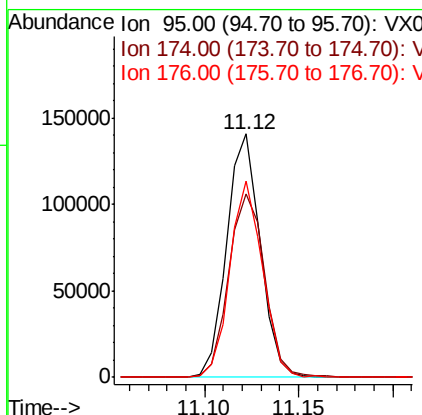
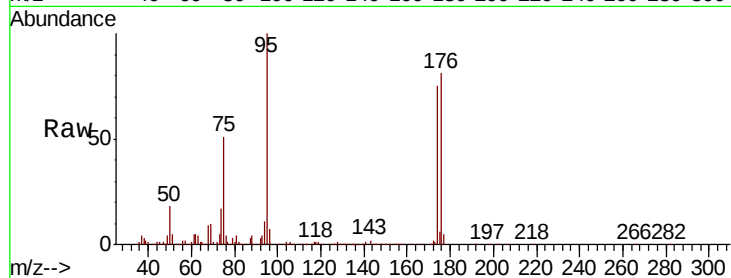




#60
4-Bromofluorobenzene
Concen: 26.850 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

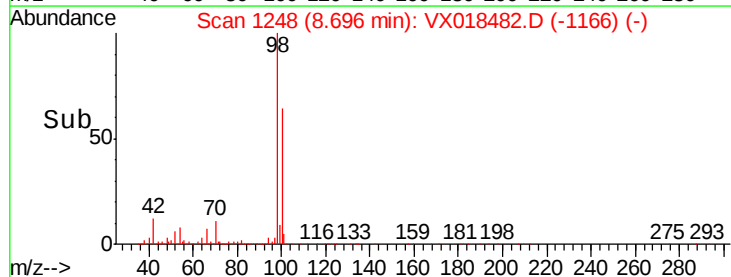
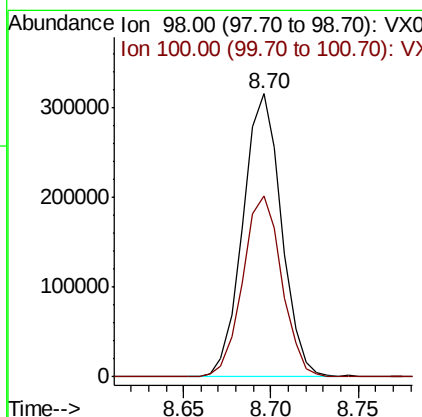
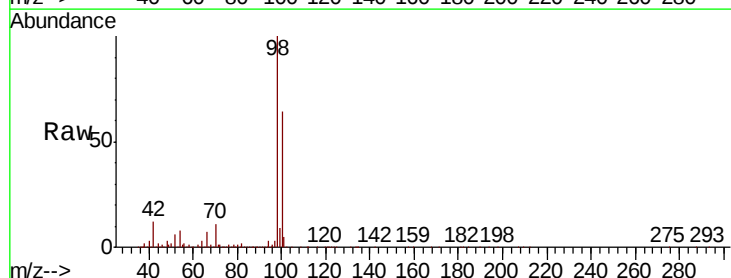
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBL01

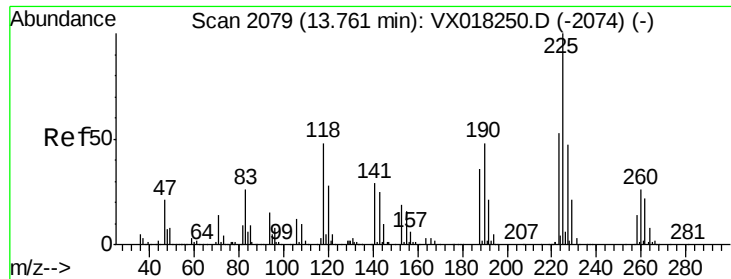
Tot Ion: 95 Resp: 174034
Ion Ratio Lower Upper
95 100
174 80.9 64.2 96.4
176 78.9 62.2 93.4



#63
Toluene-d8
Concen: 29.285 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018482.D
Acq: 18 Sep 2020 11:03

Tgt Ion: 98 Resp: 482689
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#90
 Hexachlorobutadiene
 Concen: 0.381 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX018482.D
 Acq: 18 Sep 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	38.6	0.0	115.8
227	0.0	0.0	117.0

