

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018948.D
 Acq On : 15 Oct 2020 21:23
 Operator : JC/SP
 Sample : L4371-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: Oct 16 05:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 15:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	43972	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.83	114	252551	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	216768	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	92155	32.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.50%
60) 4-Bromofluorobenzene	11.12	95	97309	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%
63) Toluene-d8	8.70	98	292680	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

Target Compounds

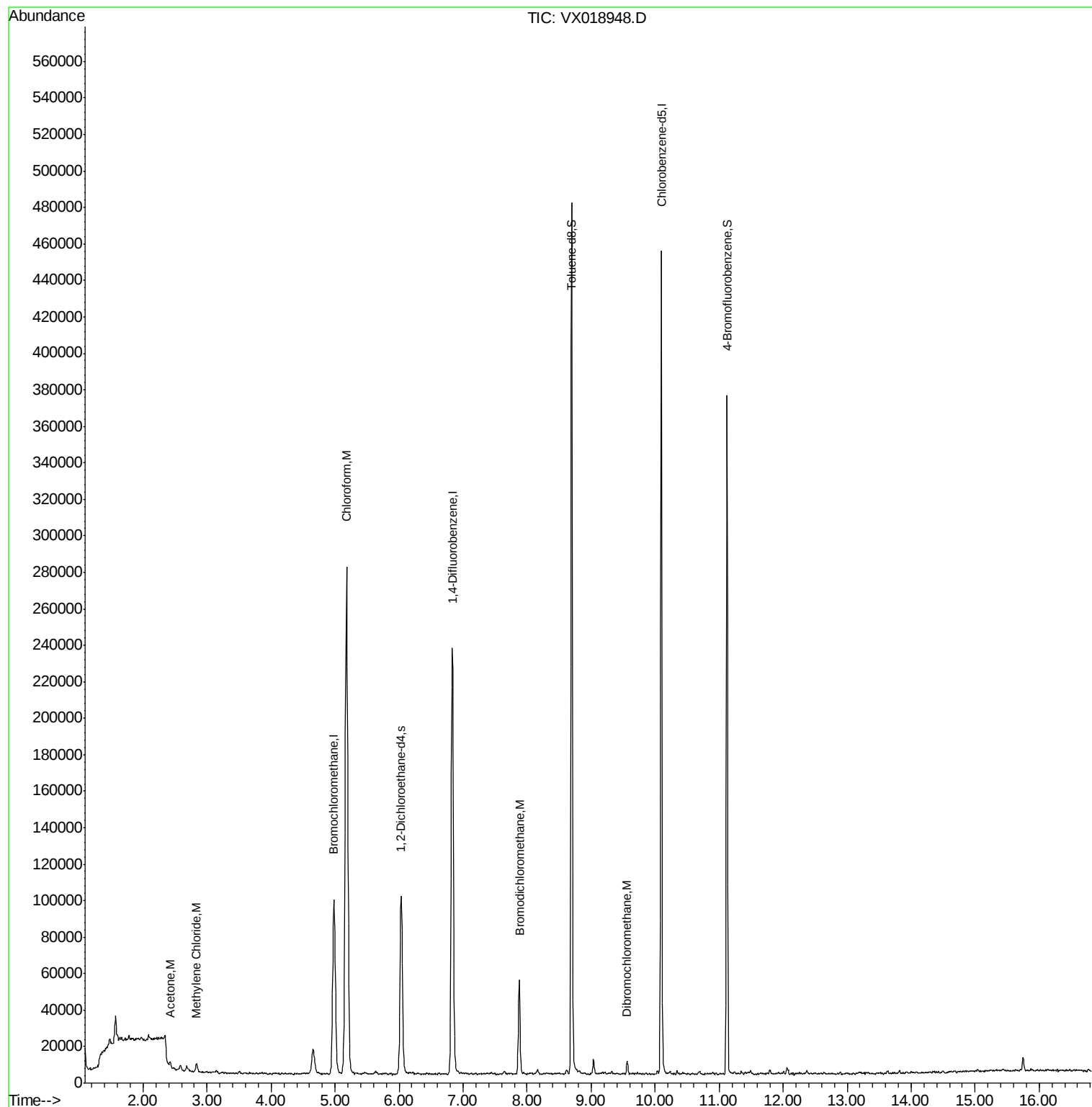
					Ovalue
15) Acetone	2.42	58	1144	2.830	ug/l 81
18) Methylene Chloride	2.83	84	2156	0.813	ug/l 92
25) Chloroform	5.18	83	338546	73.614	ug/l 99
41) Bromodichloromethane	7.88	83	34149	8.605	ug/l 99
53) Dibromochloromethane	9.56	129	2024	0.608	ug/l 96

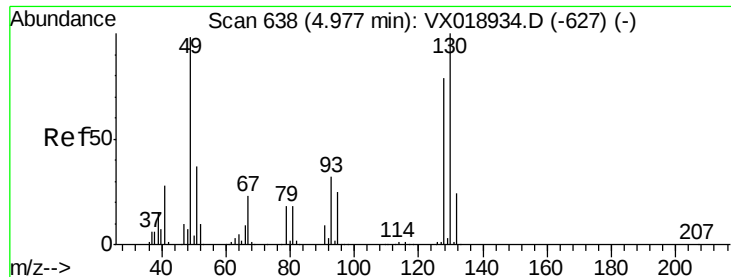
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018948.D

Acq: 15 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampled :

14B-4

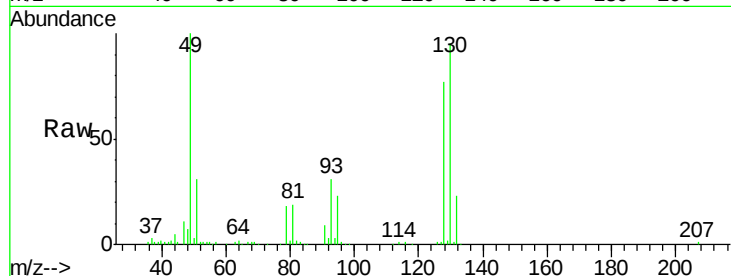
Tot Ion:128 Resp: 43972

Ion Ratio Lower Upper

128 100

49 139.5 0.0 330.5

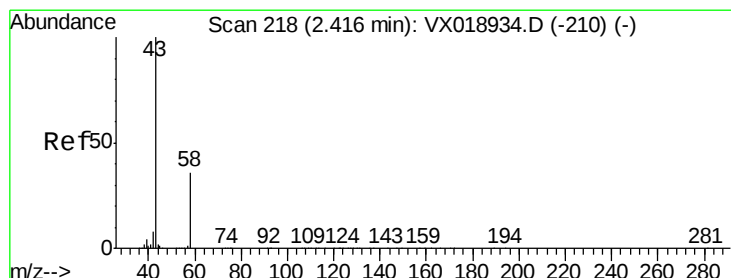
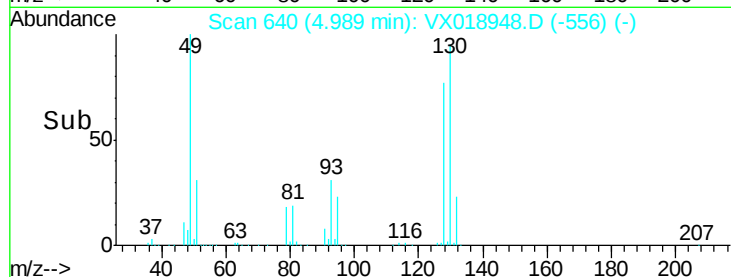
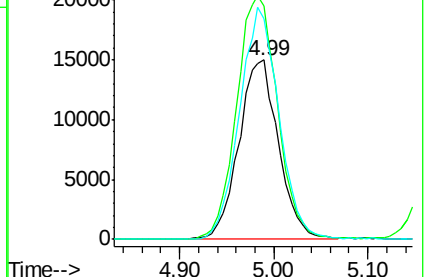
130 127.9 0.0 323.8



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



#15

Acetone

Concen: 2.830 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018948.D

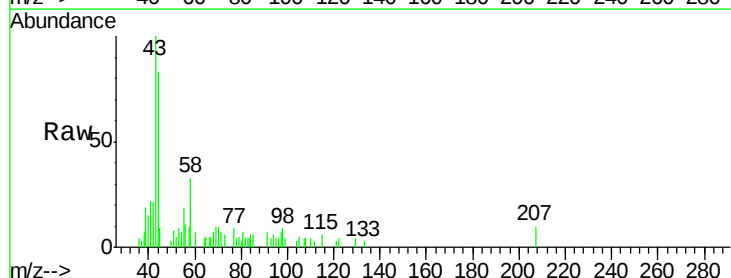
Acq: 15 Oct 2020 21:23

Tgt Ion: 58 Resp: 1144

Ion Ratio Lower Upper

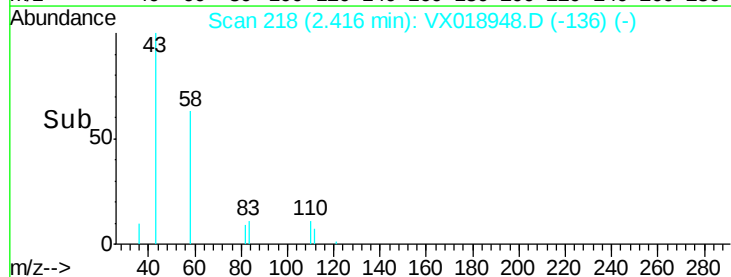
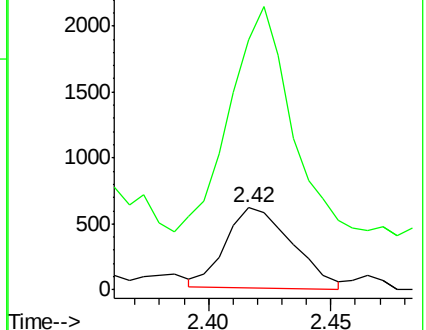
58 100

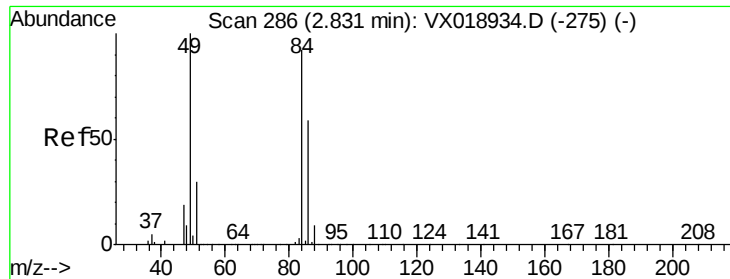
43 244.1 223.8 335.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

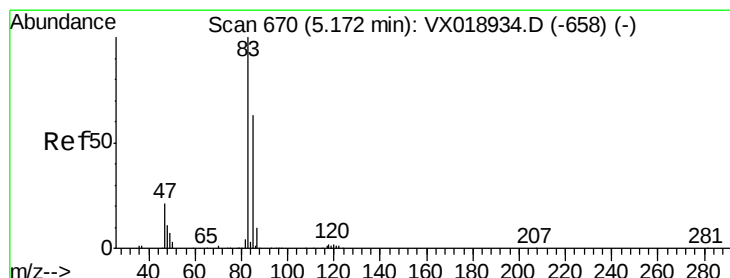
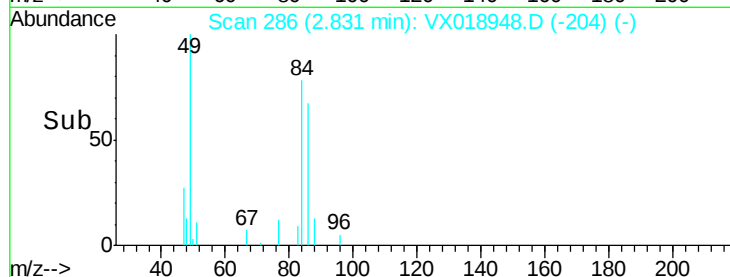
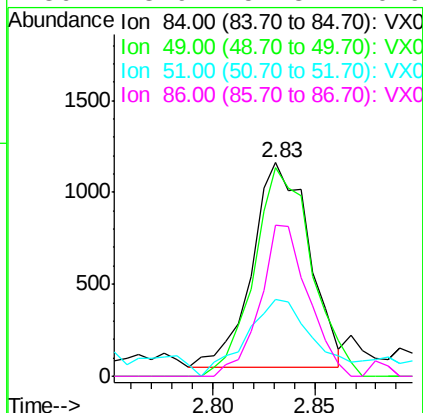
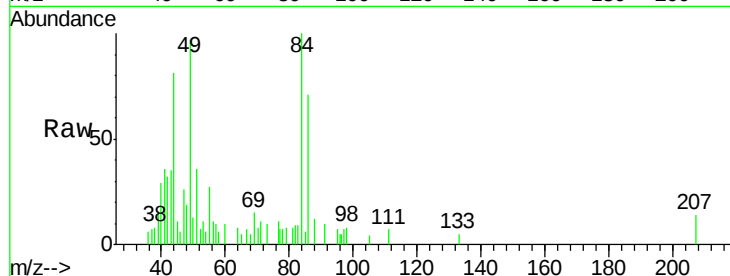




#18
Methvlene Chloride
Concen: 0.813 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018948.D
Acq: 15 Oct 2020 21:23

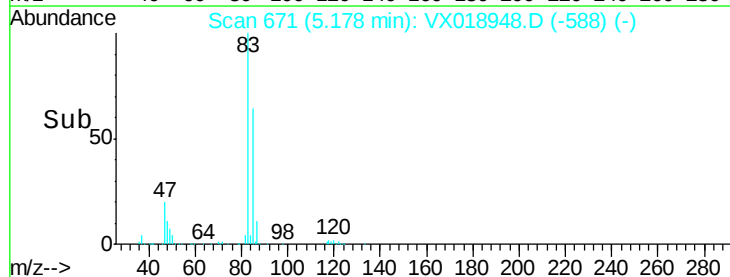
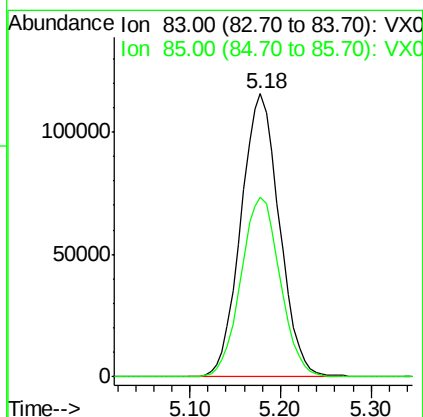
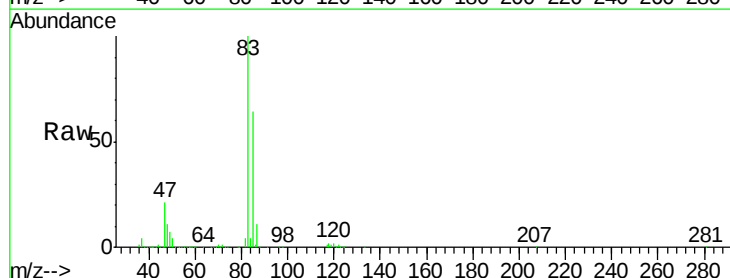
Instrument :
MSVOA_X
ClientSampled :
14B-4

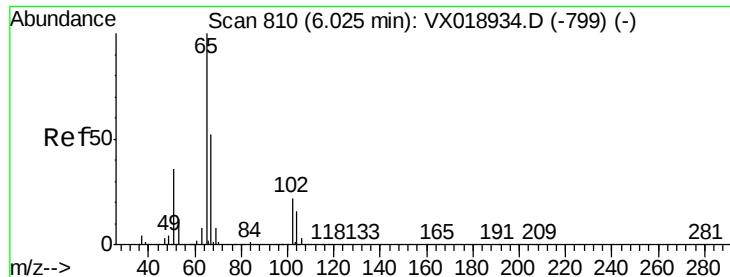
Tot Ion: 84 Resp: 2156
Ion Ratio Lower Upper
84 100
49 102.0 87.2 130.8
51 31.9 25.9 38.9
86 73.9 51.3 76.9



#25
Chloroform
Concen: 73.614 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX018948.D
Acq: 15 Oct 2020 21:23

Tgt Ion: 83 Resp: 338546
Ion Ratio Lower Upper
83 100
85 63.5 50.3 75.5





#27

1,2-Dichloroethane-d4

Concen: 32.854 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX018948.D

Acq: 15 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

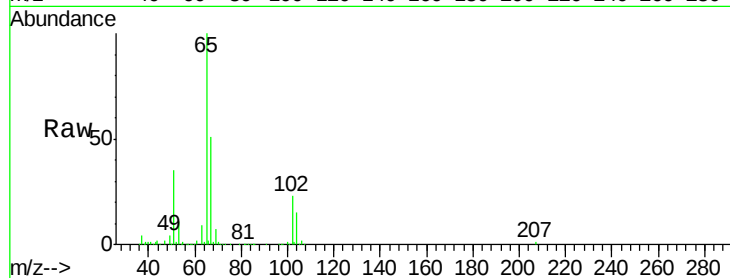
14B-4

Tot Ion: 65 Resp: 92155

Ion Ratio Lower Upper

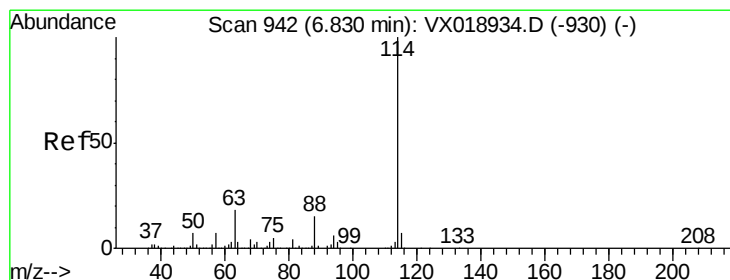
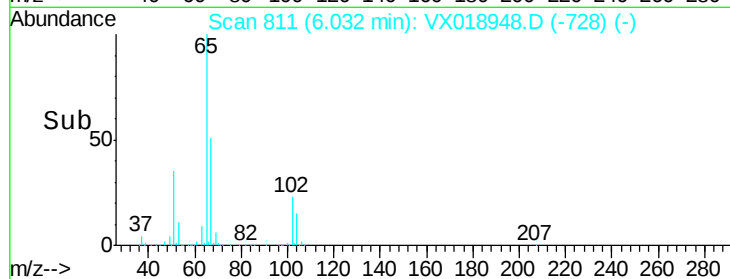
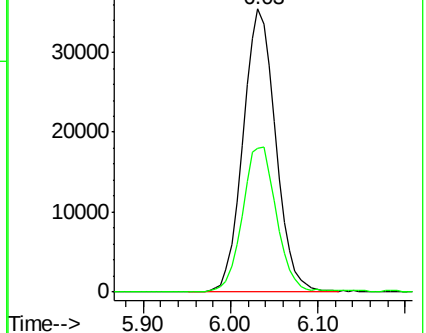
65 100

67 52.8 42.1 63.1



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: VX018948.D

Acq: 15 Oct 2020 21:23

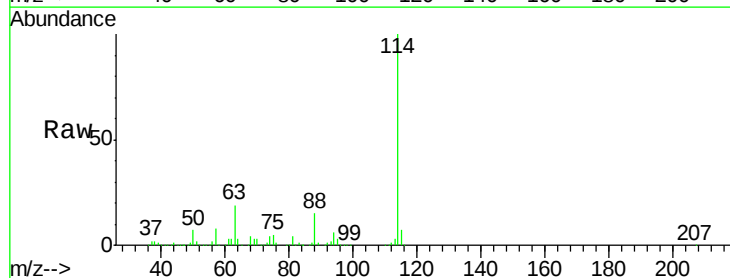
Tgt Ion: 114 Resp: 252551

Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

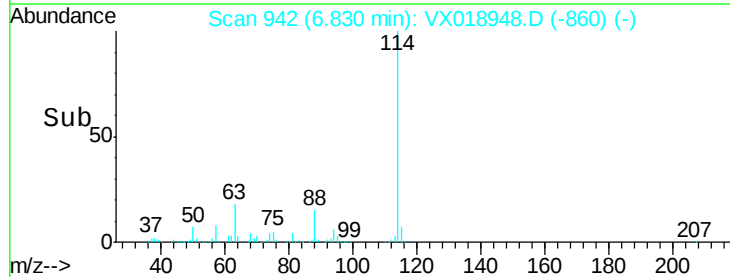
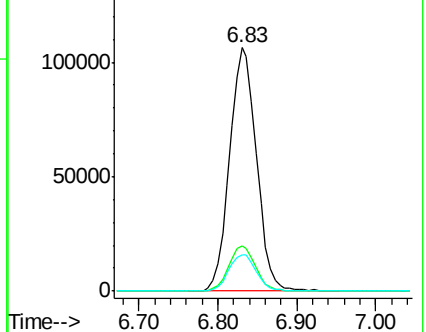
88 15.4 12.3 18.5

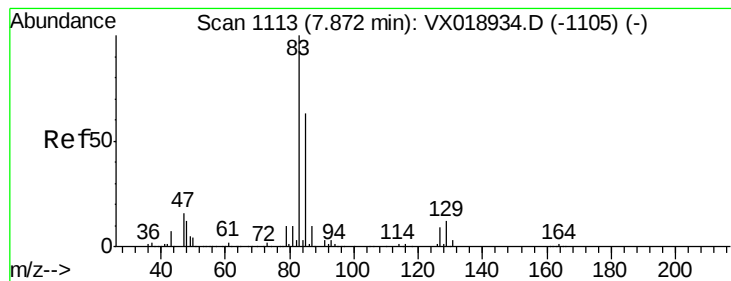


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 8.605 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018948.D

Acq: 15 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

14B-4

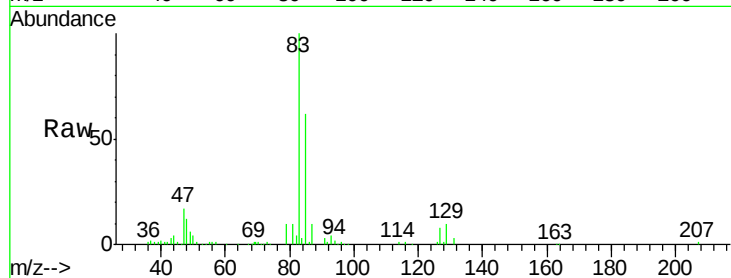
Tot Ion: 83 Resp: 34149

Ion Ratio Lower Upper

83 100

85 62.3 50.4 75.6

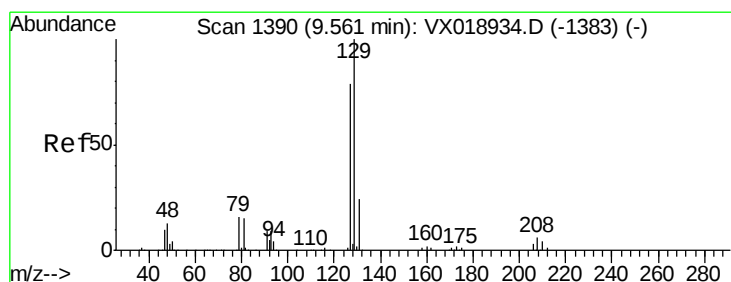
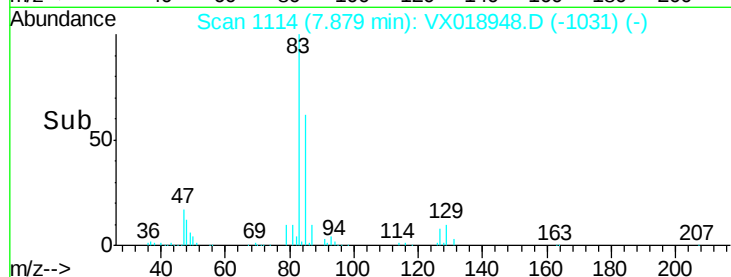
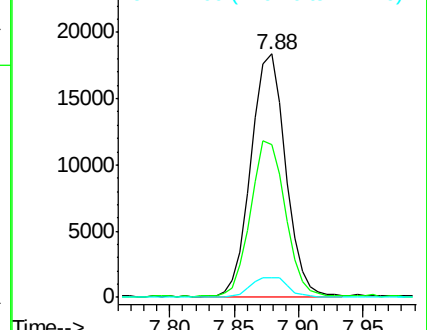
127 8.3 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VX018934.D (-1105) (-)

Ion 85.00 (84.70 to 85.70): VX018934.D (-1105) (-)

Ion 127.00 (126.70 to 127.70): VX018934.D (-1105) (-)



#53

Dibromochloromethane

Concen: 0.608 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX018948.D

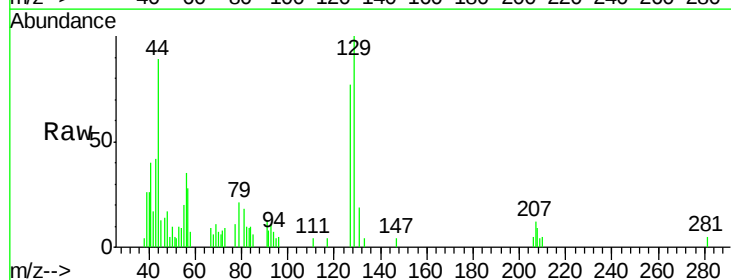
Acq: 15 Oct 2020 21:23

Tgt Ion: 129 Resp: 2024

Ion Ratio Lower Upper

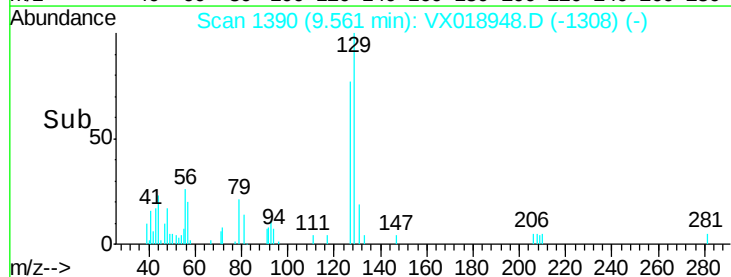
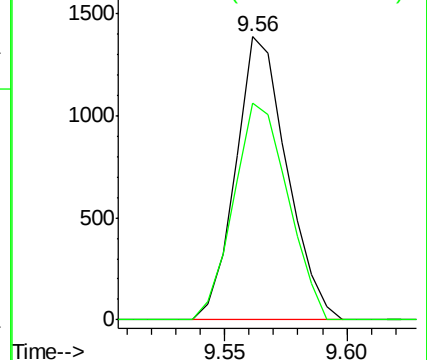
129 100

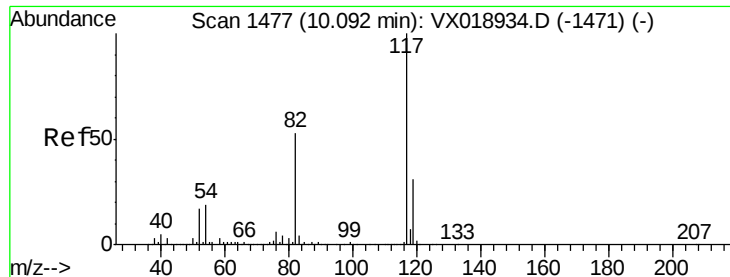
127 81.1 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): VX018934.D (-1383) (-)

Ion 127.00 (126.70 to 127.70): VX018934.D (-1383) (-)

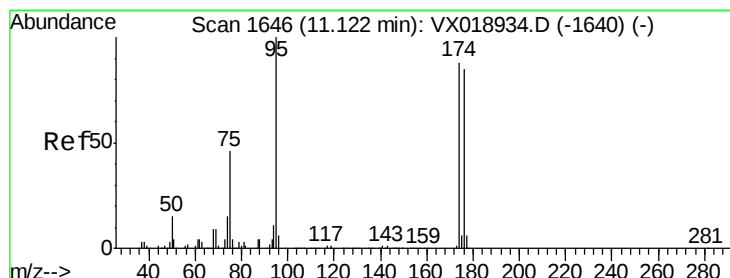
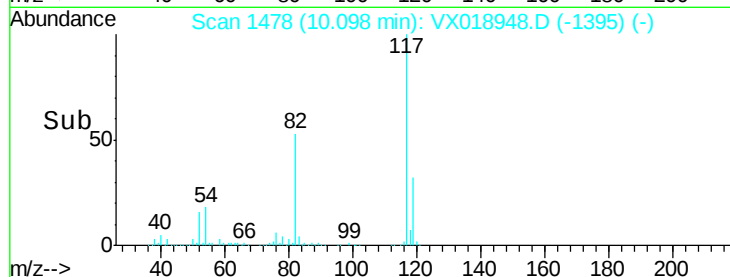
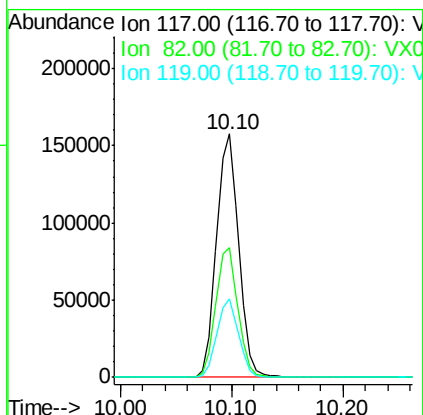
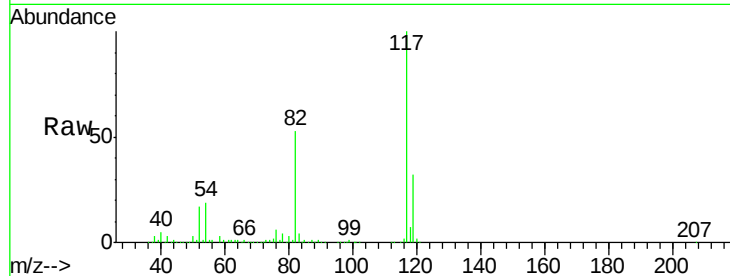




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX018948.D
Acq: 15 Oct 2020 21:23

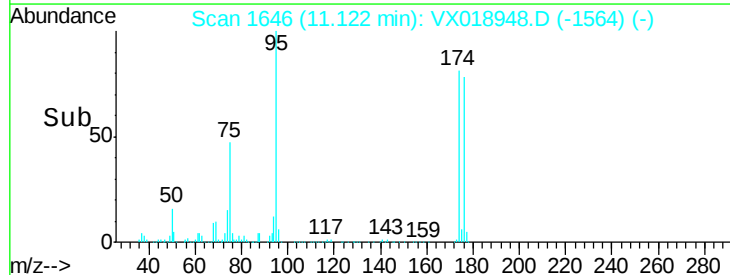
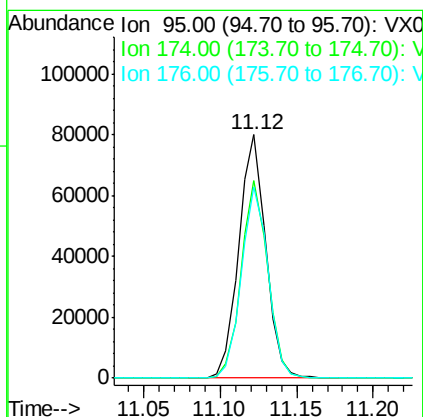
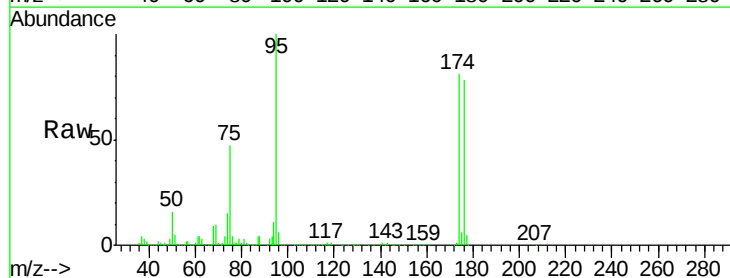
Instrument :
MSVOA_X
ClientSampleId :
14B-4

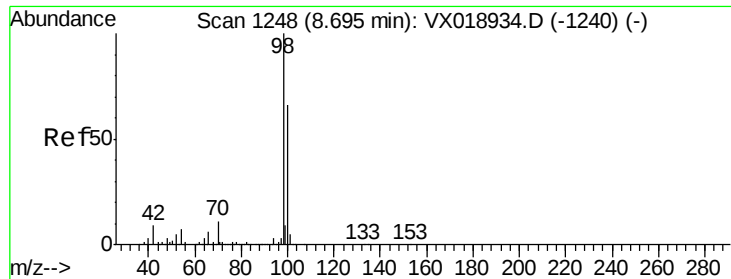
Tot Ion:117 Resp: 216768
Ion Ratio Lower Upper
117 100
82 53.4 41.6 62.4
119 31.7 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 28.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018948.D
Acq: 15 Oct 2020 21:23

Tgt Ion: 95 Resp: 97309
Ion Ratio Lower Upper
95 100
174 79.9 67.0 100.4
176 78.0 64.5 96.7





#63

Toluene-d8

Concen: 30.908 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018948.D

Acq: 15 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

14B-4

Tot Ion: 98 Resp: 292680

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8

