

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018945.D
 Acq On : 15 Oct 2020 20:15
 Operator : JC/SP
 Sample : L4371-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: Oct 16 01:45:10 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	4.98	128	47053	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	260071	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	234998	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93883	31.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.27%
60) 4-Bromofluorobenzene	11.12	95	106021	28.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.60%
63) Toluene-d8	8.70	98	309347	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

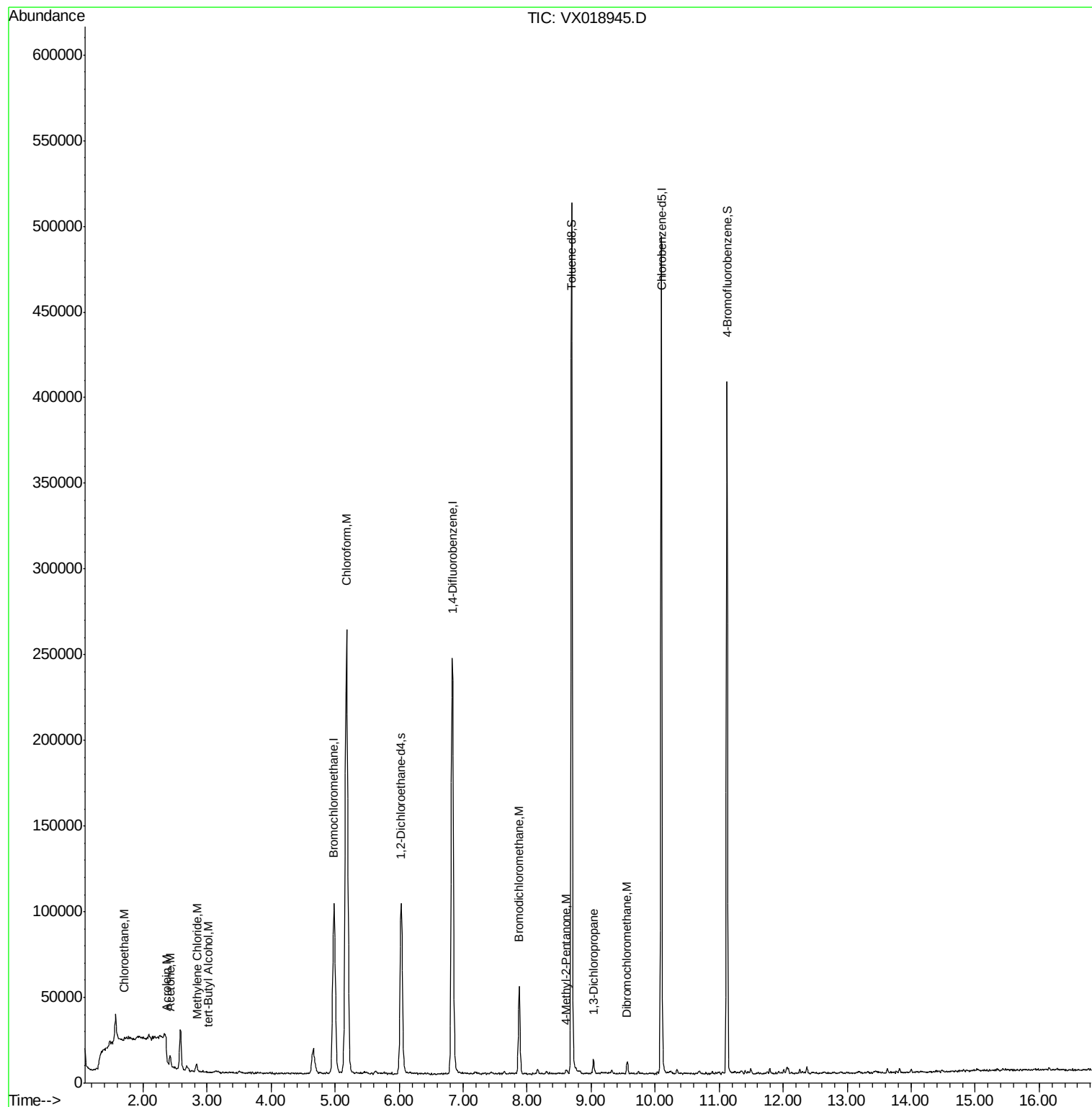
					Ovalue
6) Chloroethane	1.72	64	476	0.223 ug/l	95
13) Acrolein	2.37	56	115	0.218 ug/l	92
15) Acetone	2.42	58	2570	5.941 ug/l	92
18) Methylene Chloride	2.83	84	2153	0.758 ug/l	95
23) tert-Butyl Alcohol	3.02	59	240	0.335 ug/l #	94
25) Chloroform	5.18	83	317970	64.613 ug/l	98
41) Bromodichloromethane	7.88	83	32862	8.042 ug/l	99
52) 1,3-Dichloropropane	9.04	76	1282	0.270 ug/l	53
53) Dibromochloromethane	9.57	129	2249	0.656 ug/l	94
58) 4-Methyl-2-Pentanone	8.60	43	2339	0.624 ug/l #	51

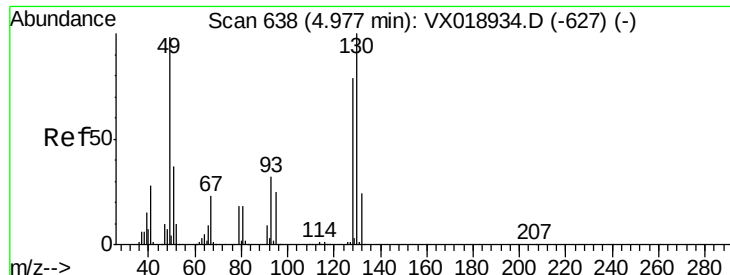
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101520\
Data File : VX018945.D
Acq On : 15 Oct 2020 20:15
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Sample : L4371-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Quant Time: Oct 16 01:45:10 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018945.D

Acq: 15 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampled :

14B-1

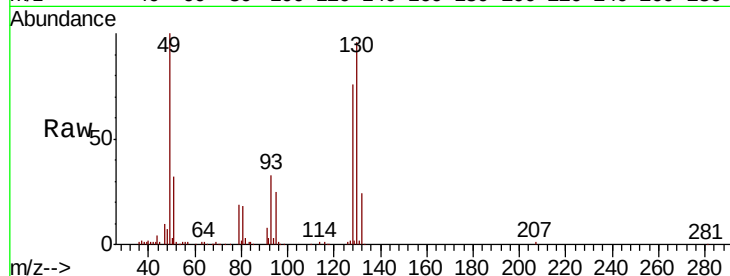
Tot Ion:128 Resp: 47053

Ion Ratio Lower Upper

128 100

49 131.2 0.0 330.5

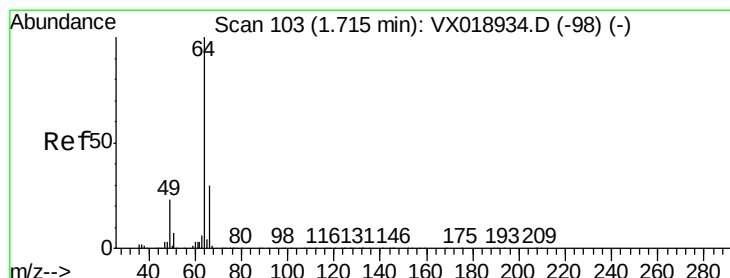
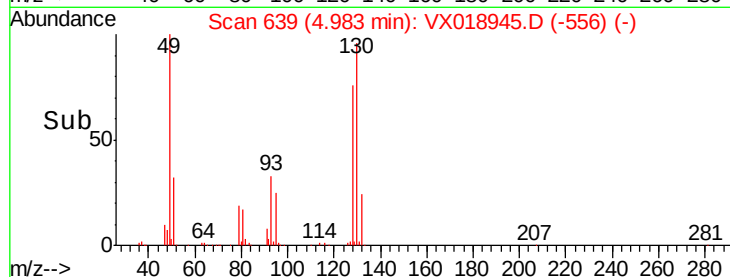
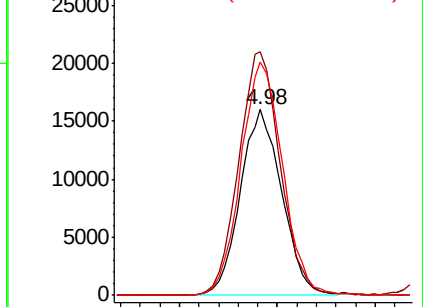
130 126.6 0.0 323.8



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



#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018945.D

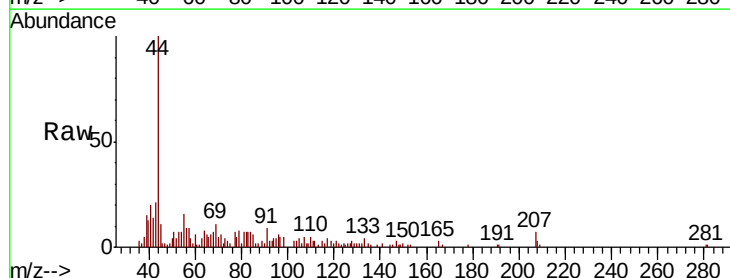
Acq: 15 Oct 2020 20:15

Tgt Ion: 64 Resp: 476

Ion Ratio Lower Upper

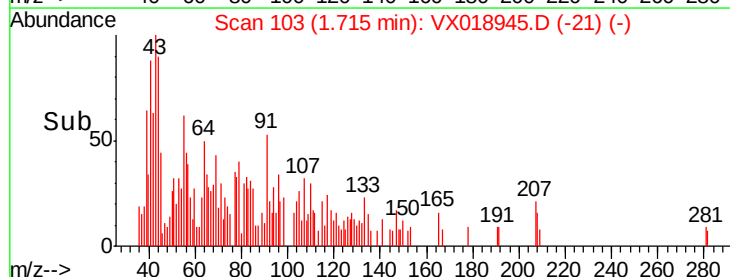
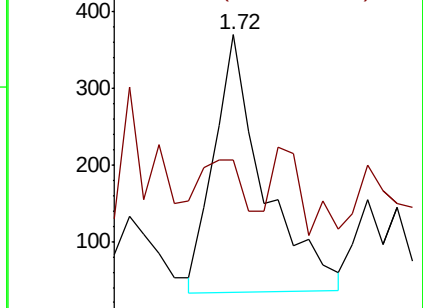
64 100

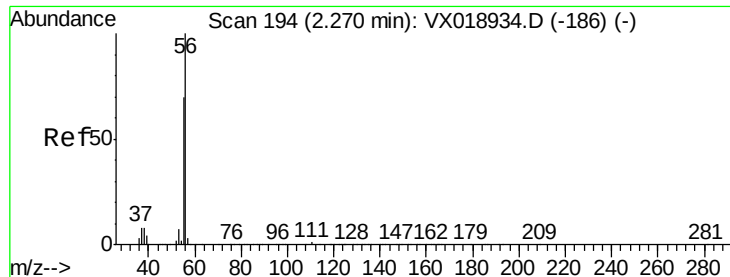
66 28.1 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#13

Acrolein

Concen: 0.218 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.10 min

Lab File: VX018945.D

Acq: 15 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampled :

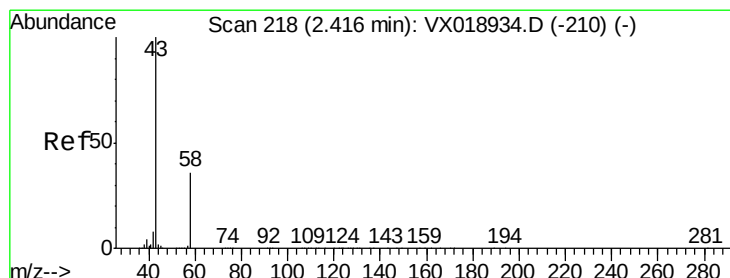
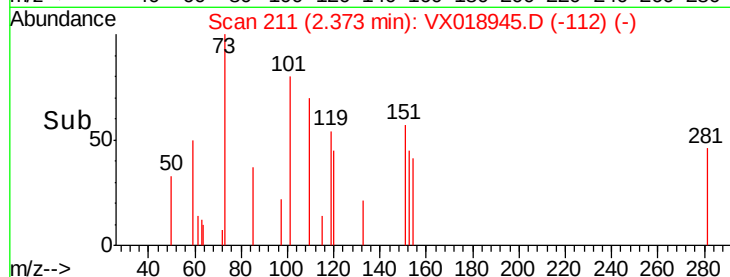
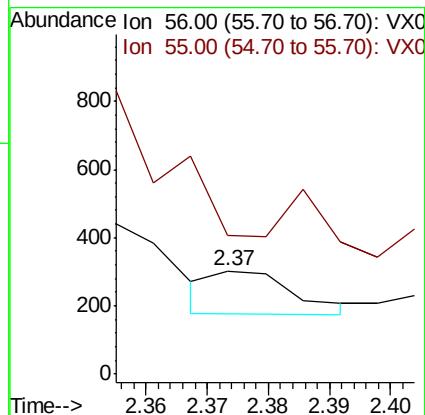
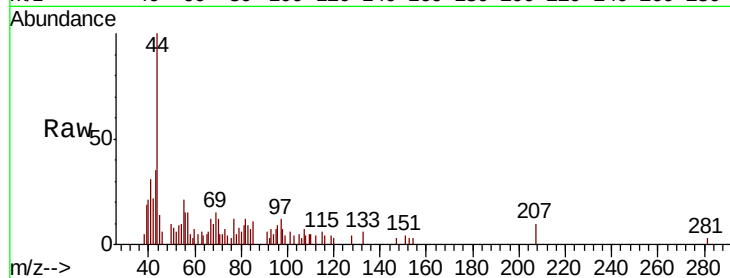
14B-1

Tot Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 78.3 57.1 85.7



#15

Acetone

Concen: 5.941 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018945.D

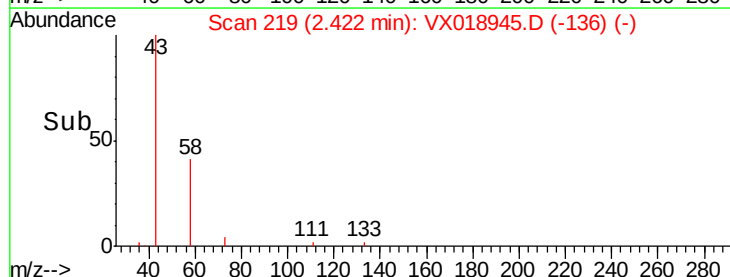
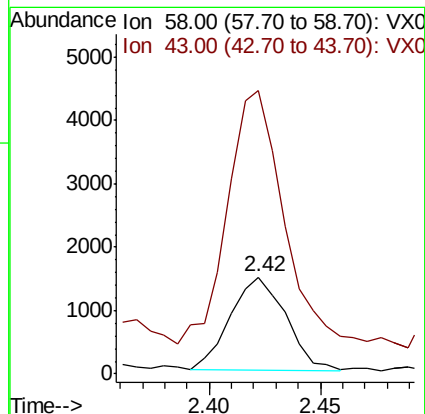
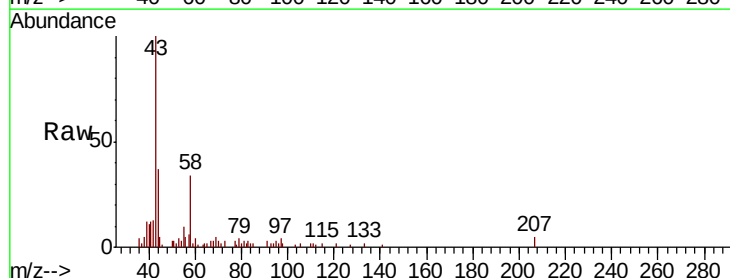
Acq: 15 Oct 2020 20:15

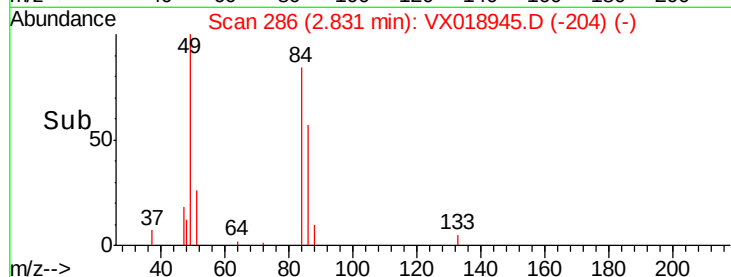
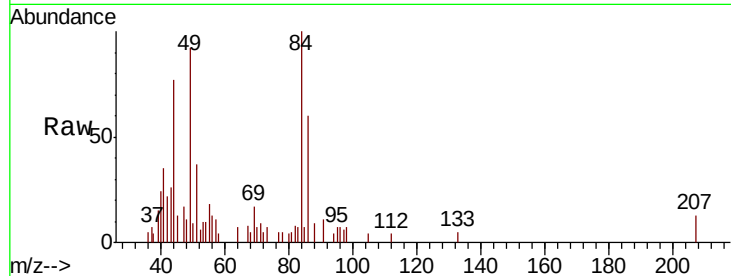
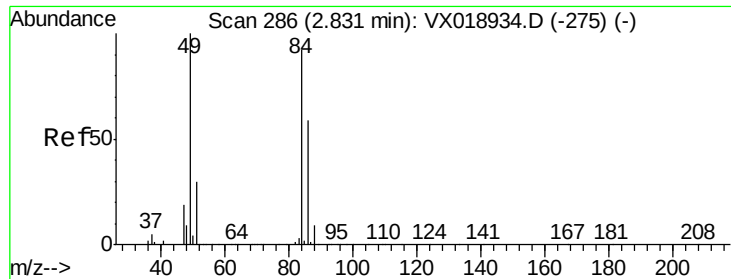
Tgt Ion: 58 Resp: 2570

Ion Ratio Lower Upper

58 100

43 265.2 223.8 335.8

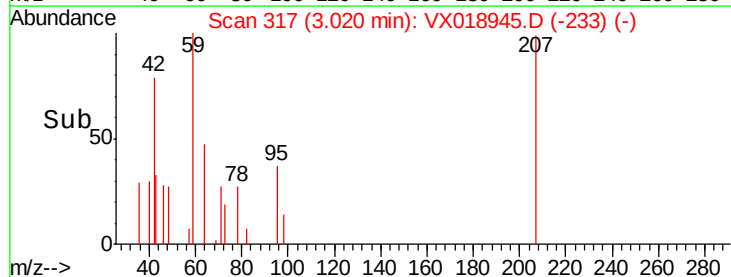
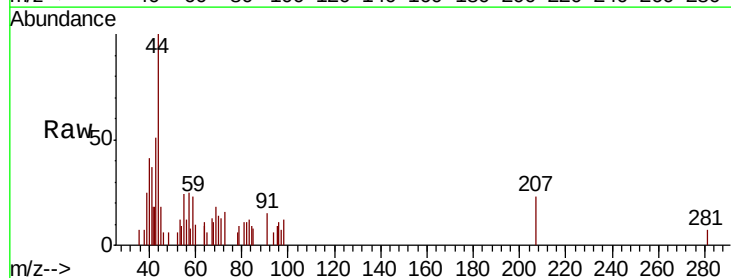
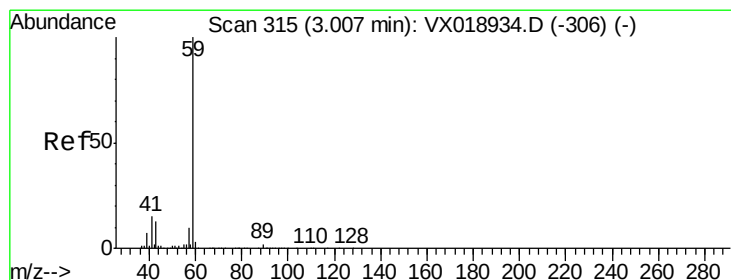
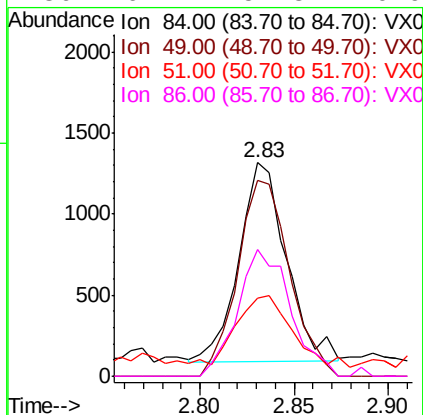




#18
Methylene Chloride
Concen: 0.758 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

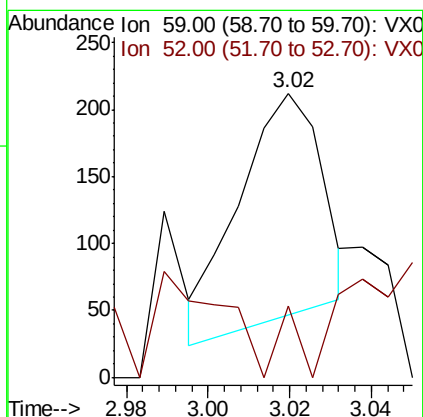
Instrument :
MSVOA_X
ClientSampled :
14B-1

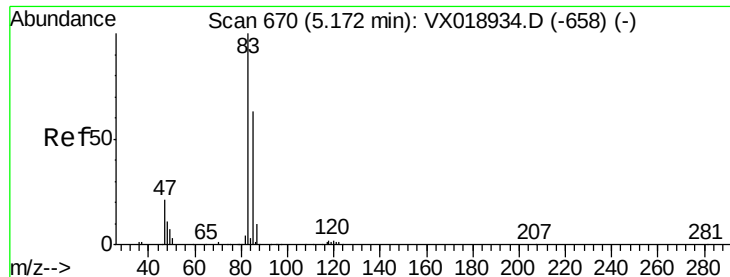
Tot Ion:	84	Resp:	2153
Ion	Ratio	Lower	Upper
84	100		
49	99.0	87.2	130.8
51	33.0	25.9	38.9
86	64.4	51.3	76.9



#23
tert-Butyl Alcohol
Concen: 0.335 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

Tgt Ion:	59	Resp:	240
Ion	Ratio	Lower	Upper
59	100		
52	7.9	0.2	0.2#

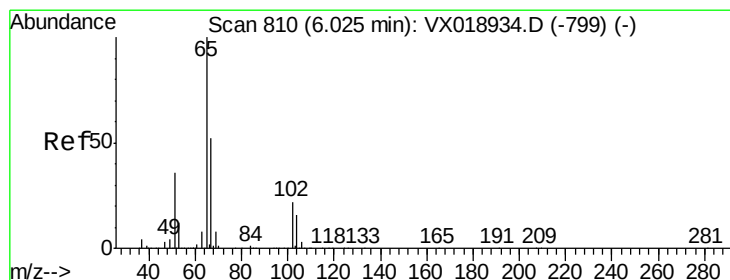
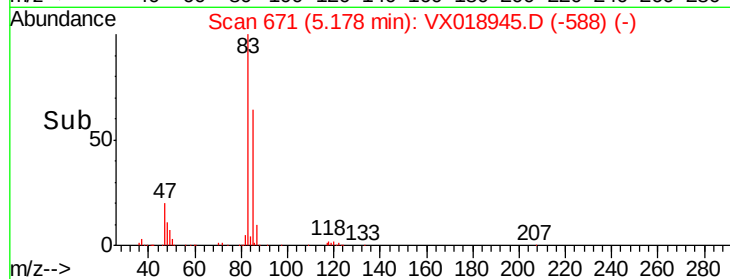
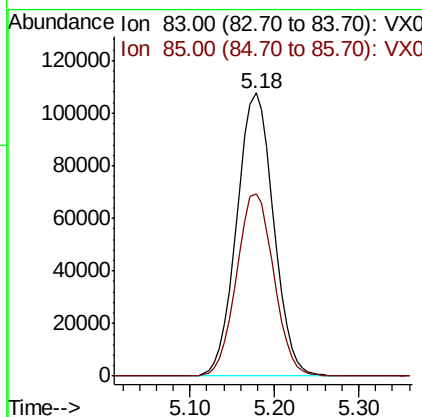
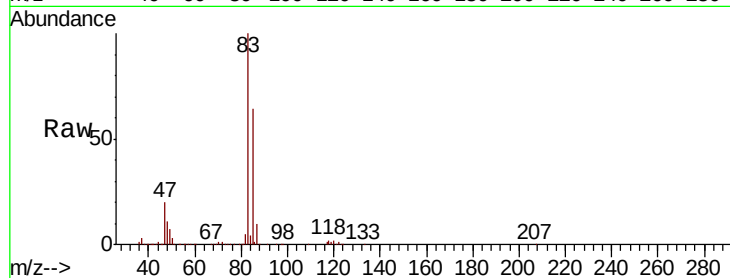




#25
Chloroform
Concen: 64.613 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

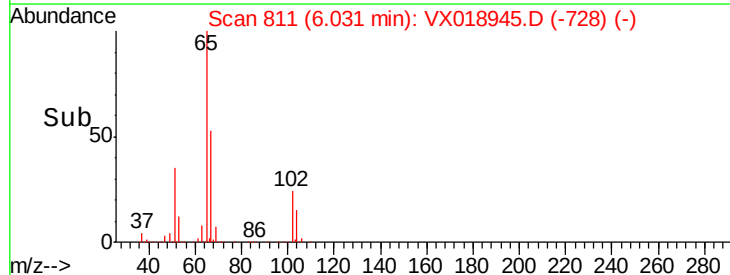
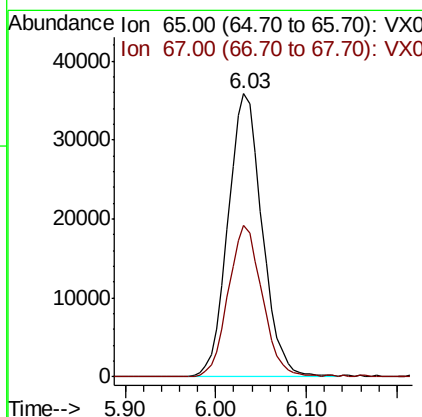
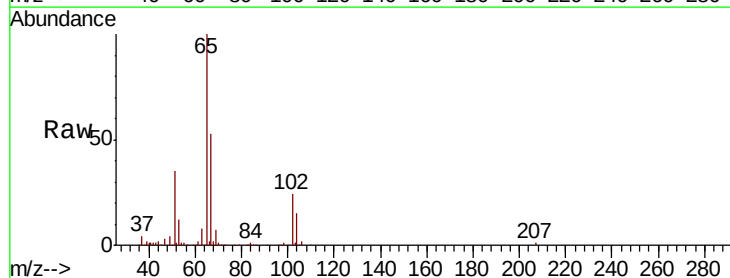
Instrument :
MSVOA_X
ClientSampleId :
14B-1

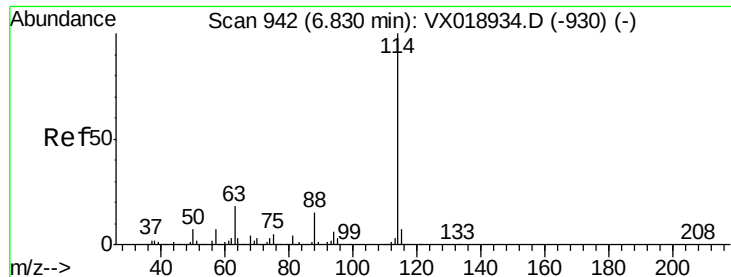
Tot Ion: 83 Resp: 317970
Ion Ratio Lower Upper
83 100
85 64.2 50.3 75.5



#27
1,2-Dichloroethane-d4
Concen: 31.278 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

Tgt Ion: 65 Resp: 93883
Ion Ratio Lower Upper
65 100
67 52.7 42.1 63.1

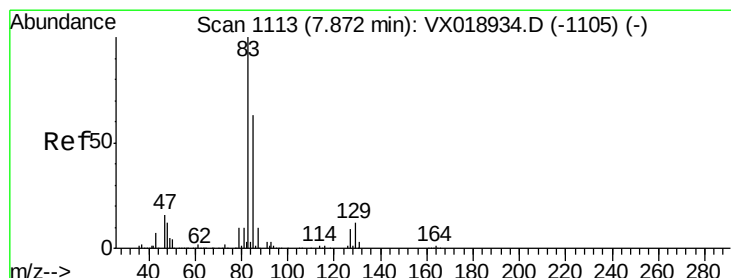
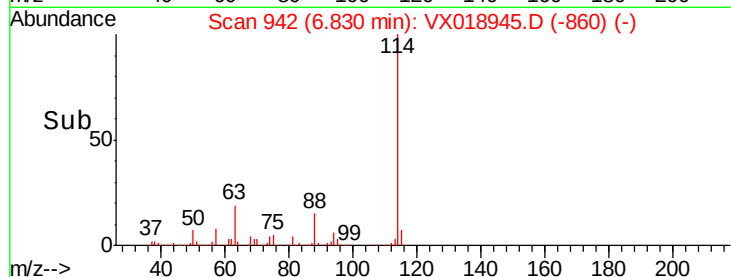
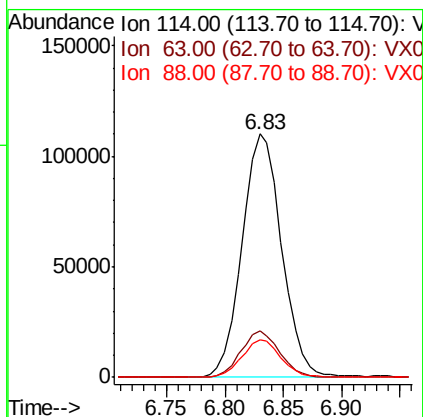
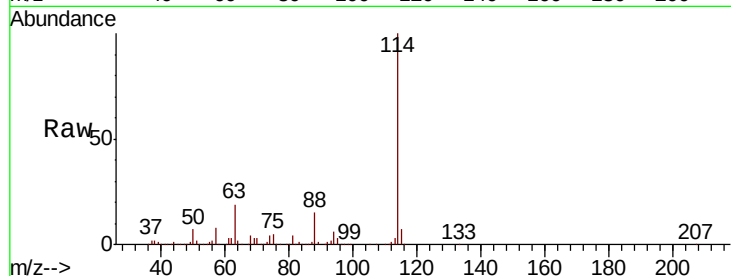




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018945.D
 Acq: 15 Oct 2020 20:15

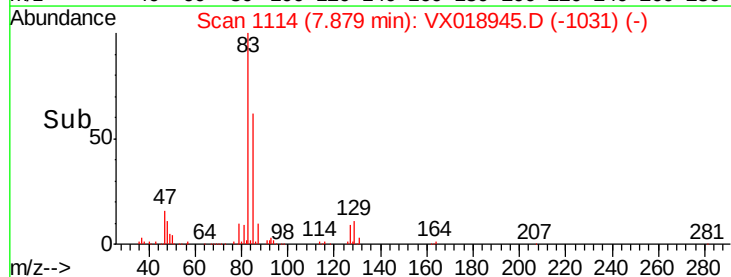
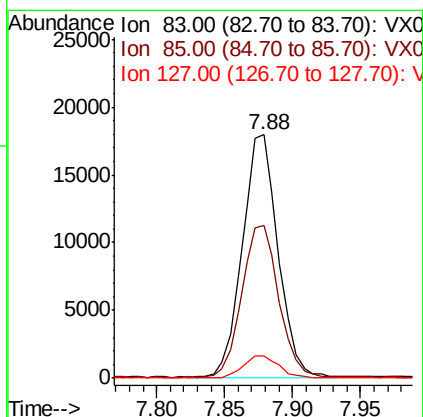
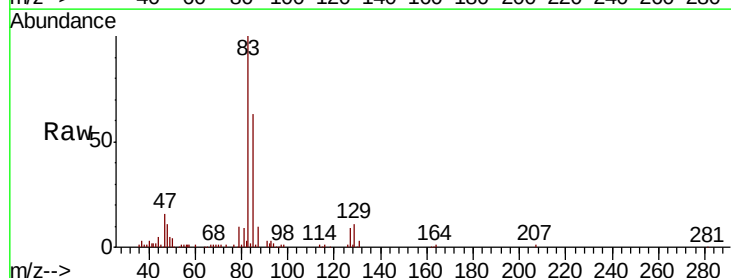
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

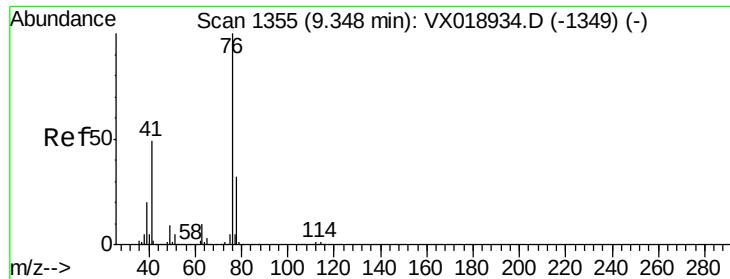
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	14.6	21.8
88	15.3	12.3	18.5



#41
 Bromodichloromethane
 Concen: 8.042 ug/l
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018945.D
 Acq: 15 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.4	75.6
127	9.1	7.5	11.3





#52

1,3-Dichloropropane

Concen: 0.270 ug/l

RT: 9.04 min Scan# 1304

Delta R.T. -0.31 min

Lab File: VX018945.D

Acq: 15 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

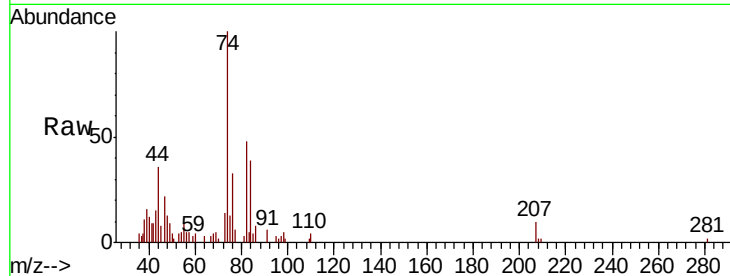
14B-1

Tot Ion: 76 Resp: 1282

Ion Ratio Lower Upper

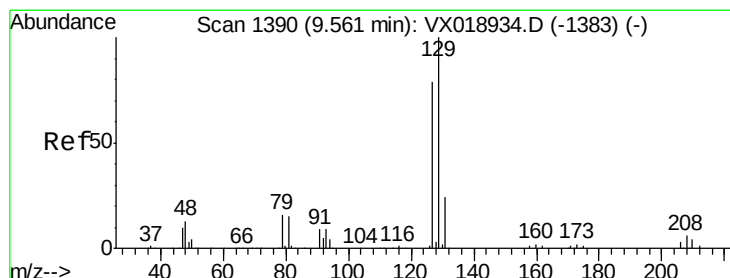
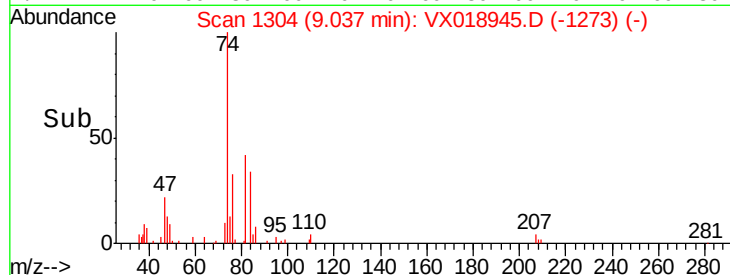
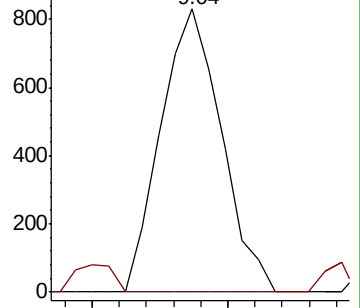
76 100

78 6.4 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#53

Dibromochloromethane

Concen: 0.656 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018945.D

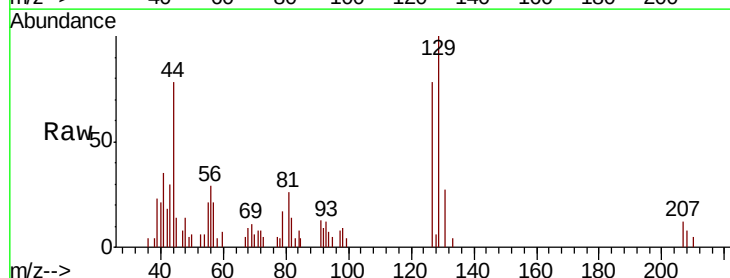
Acq: 15 Oct 2020 20:15

Tgt Ion: 129 Resp: 2249

Ion Ratio Lower Upper

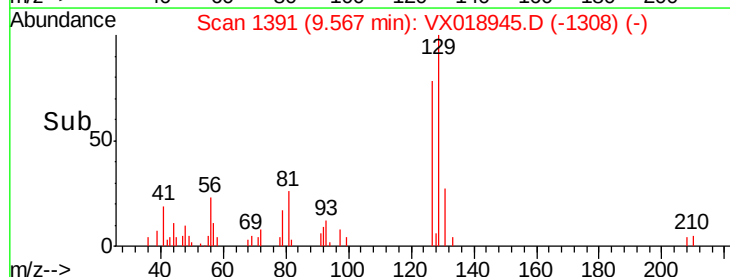
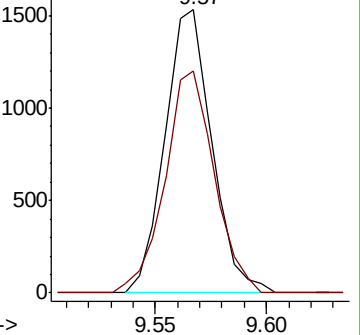
129 100

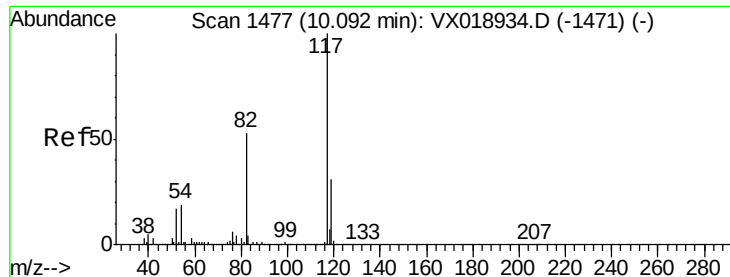
127 82.3 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

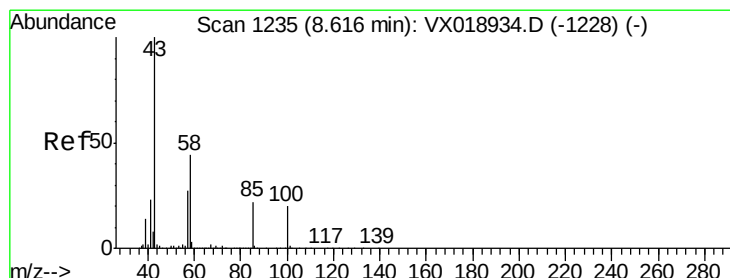
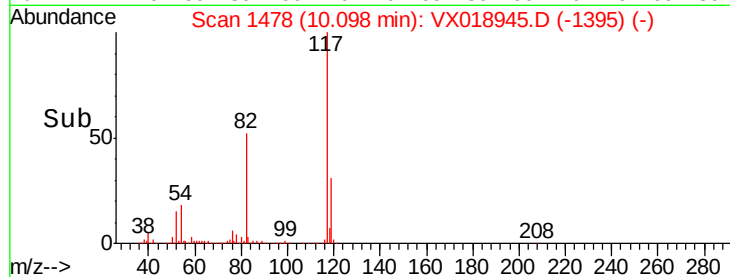
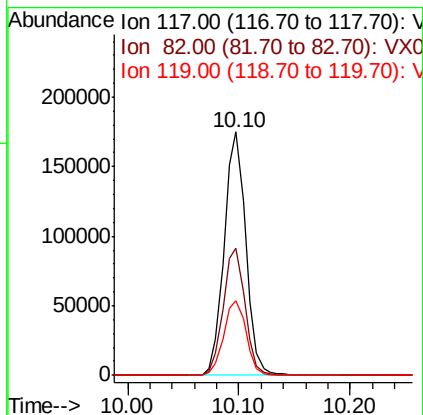
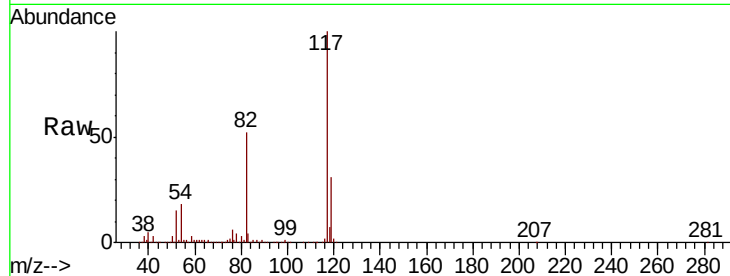




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

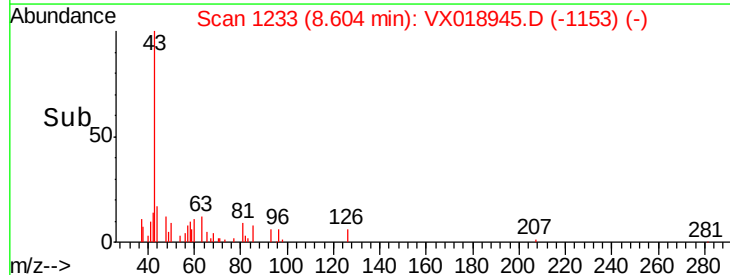
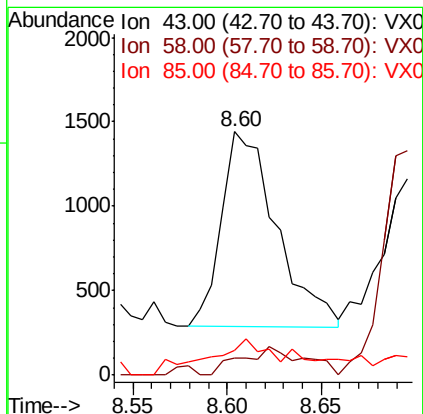
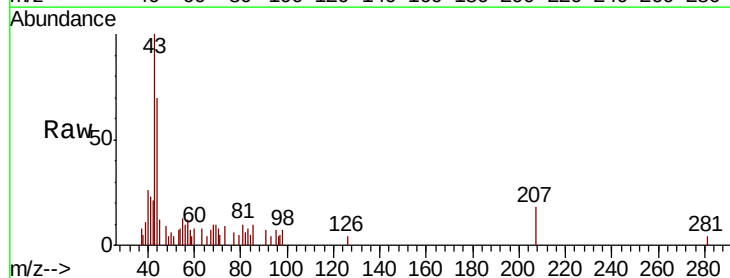
Instrument :
MSVOA_X
ClientSampleId :
14B-1

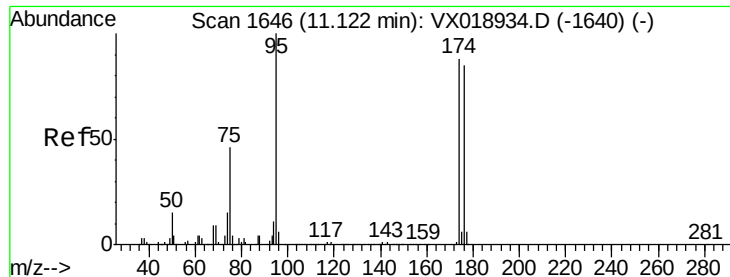
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.6	62.4
119	31.9	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.624 ug/l
RT: 8.60 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.9	35.4	53.2#
85	9.1	18.0	27.0#

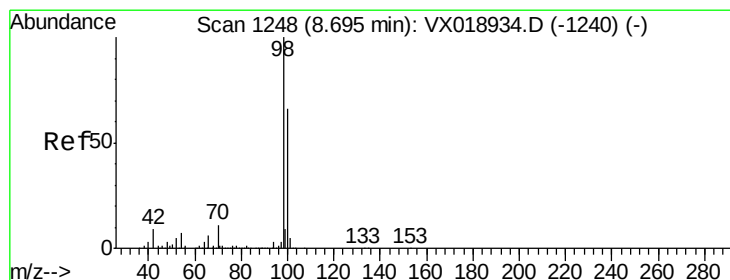
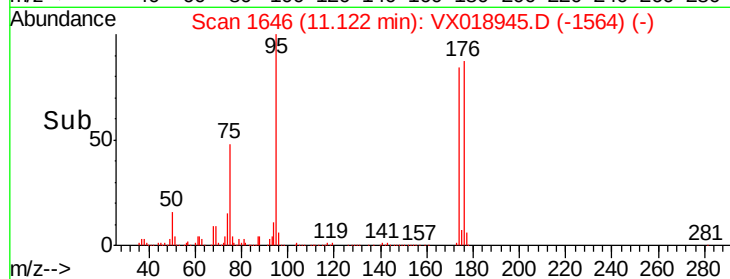
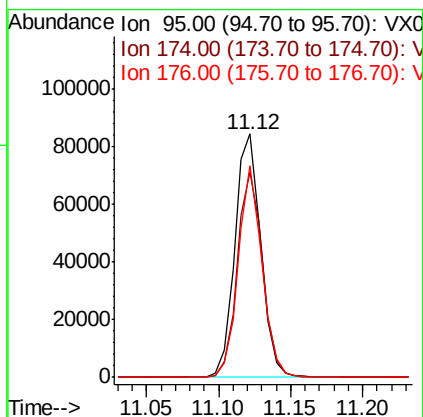
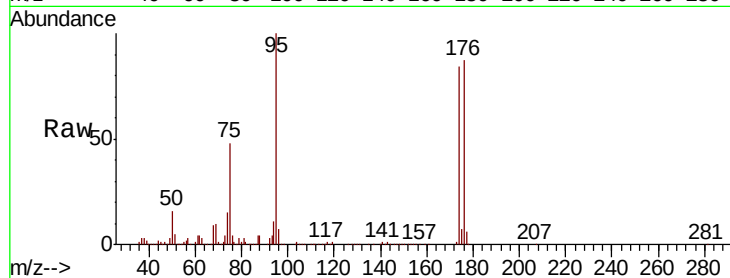




#60
4-Bromofluorobenzene
Concen: 28.978 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

Instrument :
MSVOA_X
ClientSampled :
14B-1

Tot Ion: 95 Resp: 106021
Ion Ratio Lower Upper
95 100
174 82.4 67.0 100.4
176 79.6 64.5 96.7



#63
Toluene-d8
Concen: 30.134 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018945.D
Acq: 15 Oct 2020 20:15

Tgt Ion: 98 Resp: 309347
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8

