

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018946.D
 Acq On : 15 Oct 2020 20:38
 Operator : JC/SP
 Sample : L4371-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Oct 16 01:45:21 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	46693	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.83	114	256711	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	219342	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	92979	31.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	11.12	95	98289	28.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.93%
63) Toluene-d8	8.70	98	297348	31.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.43%

Target Compounds

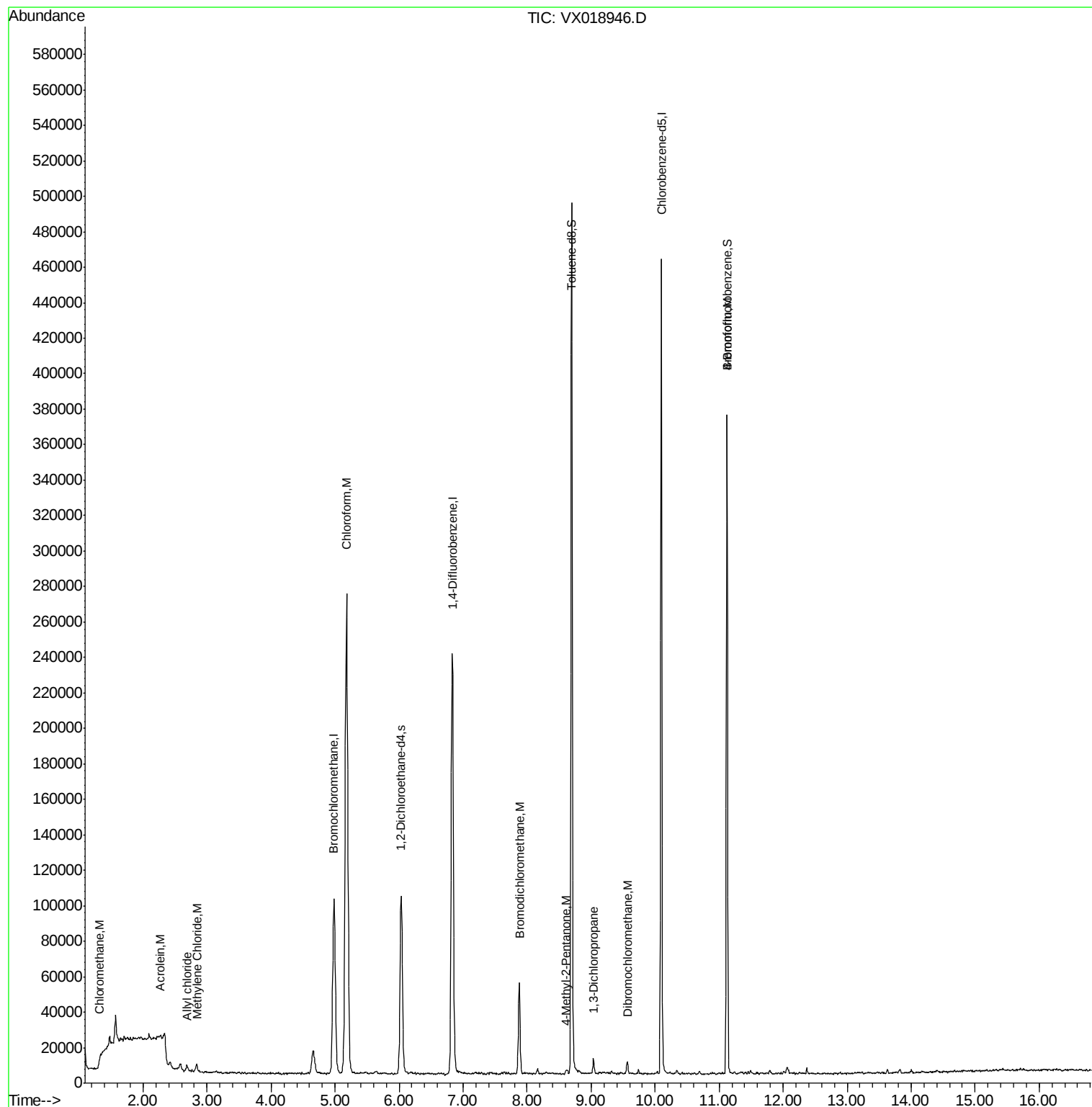
					Ovalue	
3) Chloromethane	1.31	50	549	0.219	ug/l	96
13) Acrolein	2.28	56	775	1.479	ug/l	89
17) Allyl chloride	2.68	41	3400	0.937	ug/l #	35
18) Methylene Chloride	2.84	84	2156	0.765	ug/l #	86
25) Chloroform	5.18	83	333349	68.260	ug/l	95
41) Bromodichloromethane	7.87	83	34178	8.473	ug/l	99
52) 1,3-Dichloropropane	9.04	76	1300	0.277	ug/l	48
53) Dibromochloromethane	9.56	129	2258	0.668	ug/l	92
56) Bromoform	11.12	173	682	0.261	ug/l #	1
58) 4-Methyl-2-Pentanone	8.62	43	2341	0.669	ug/l #	65

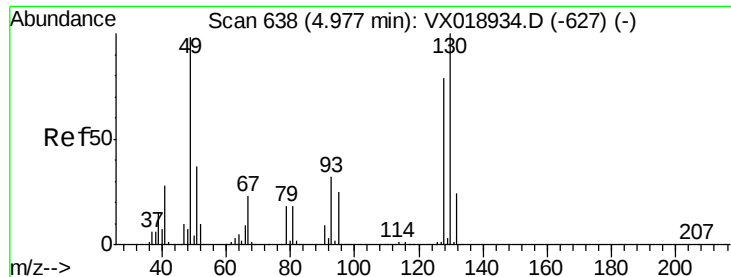
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101520\
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MSVOA_X
ClientSampleId :
14B-2

Quant Time: Oct 16 01:45:21 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: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampled :

14B-2

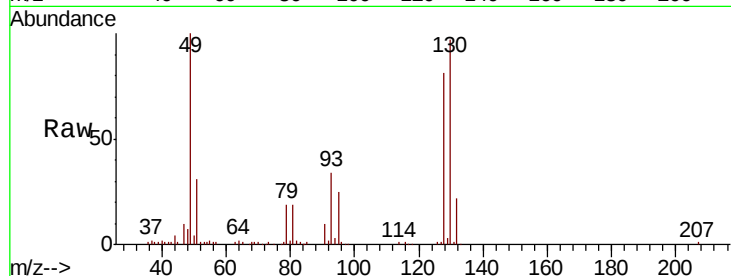
Tot Ion:128 Resp: 46693

Ion Ratio Lower Upper

128 100

49 131.8 0.0 330.5

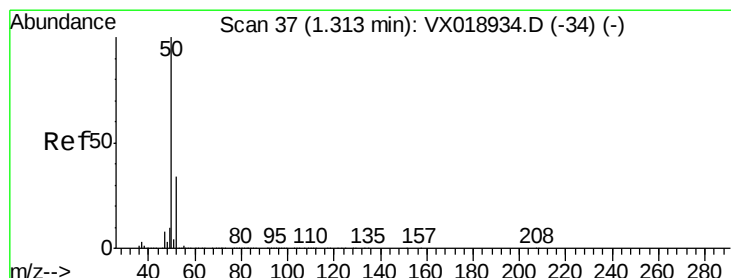
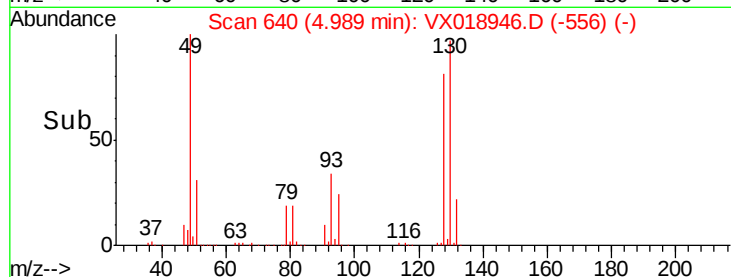
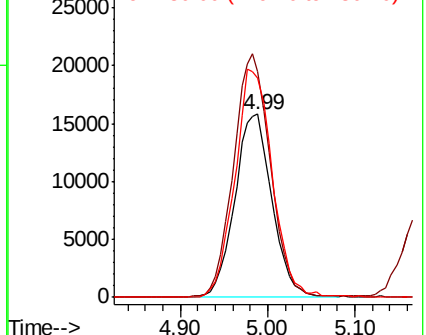
130 124.6 0.0 323.8



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



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018946.D

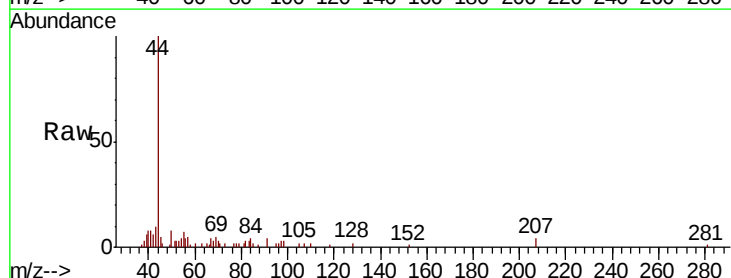
Acq: 15 Oct 2020 20:38

Tgt Ion: 50 Resp: 549

Ion Ratio Lower Upper

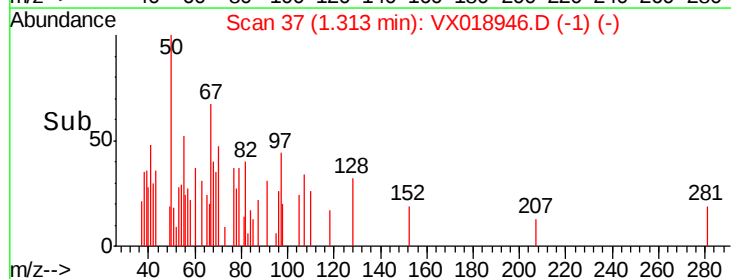
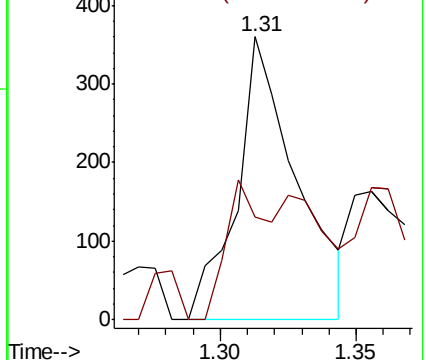
50 100

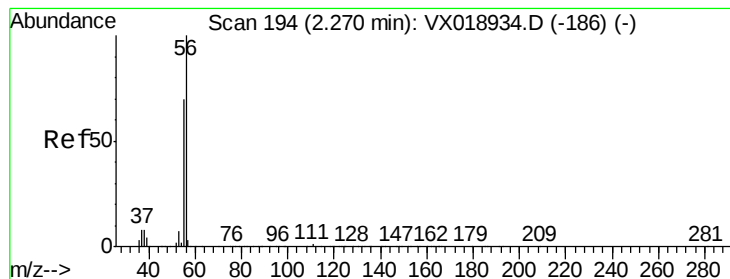
52 36.1 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#13

Acrolein

Concen: 1.479 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampled :

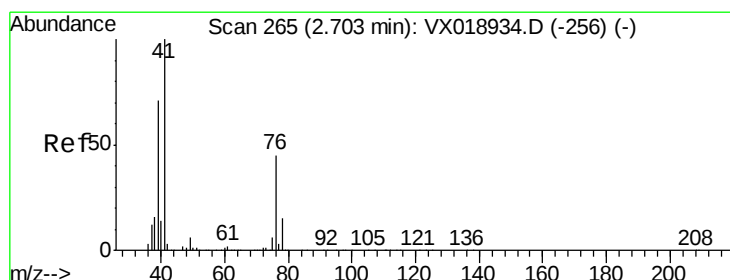
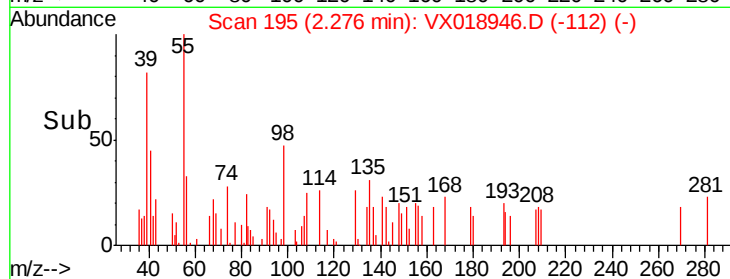
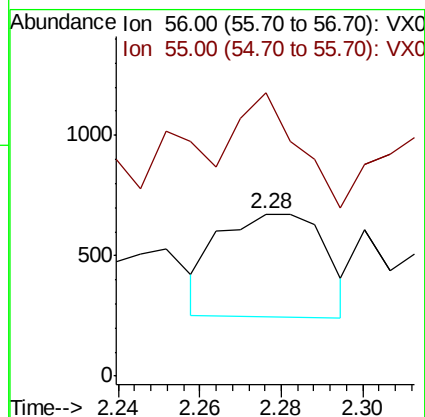
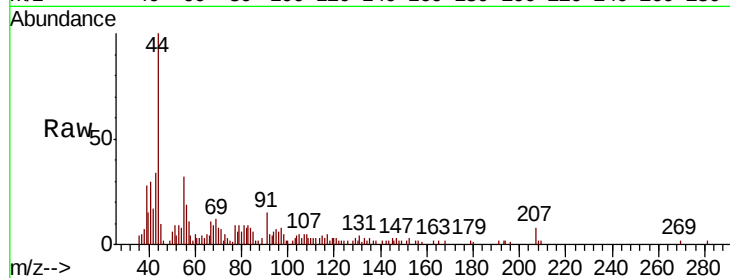
14B-2

Tot Ion: 56 Resp: 775

Ion Ratio Lower Upper

56 100

55 80.1 57.1 85.7



#17

Allyl chloride

Concen: 0.937 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

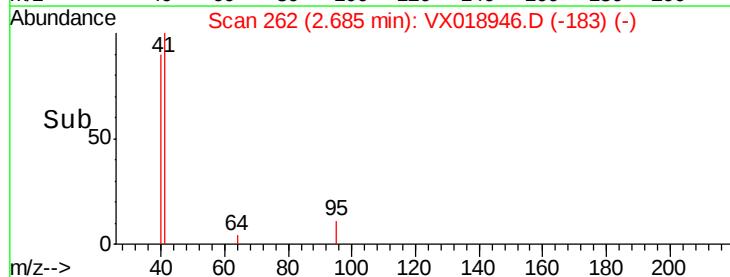
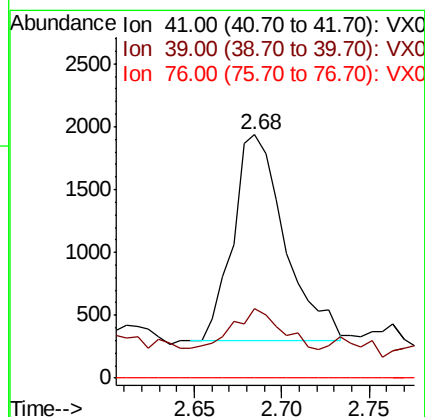
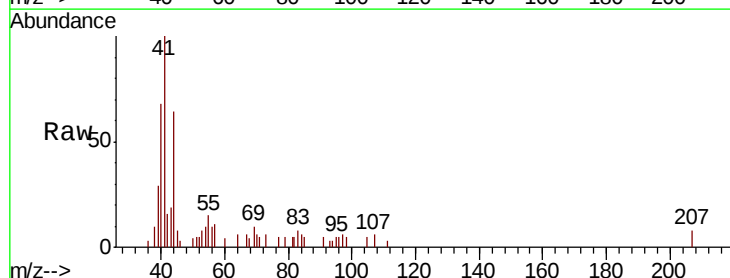
Tgt Ion: 41 Resp: 3400

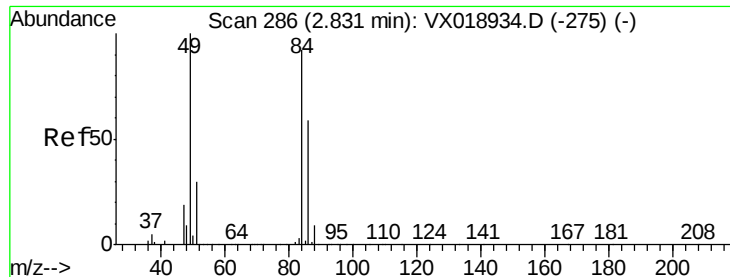
Ion Ratio Lower Upper

41 100

39 19.3 35.4 106.3#

76 0.0 22.4 67.2#

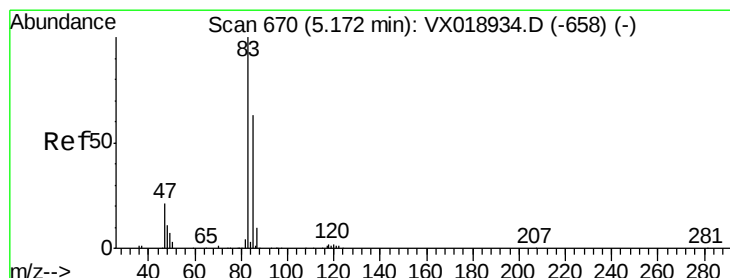
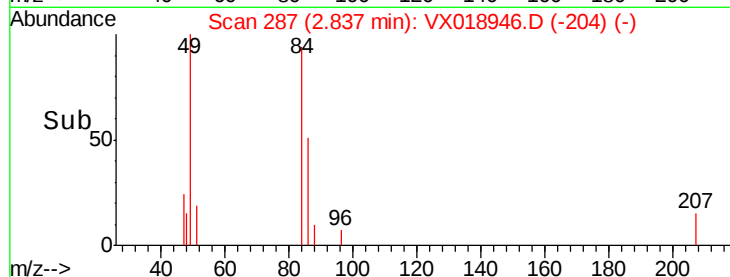
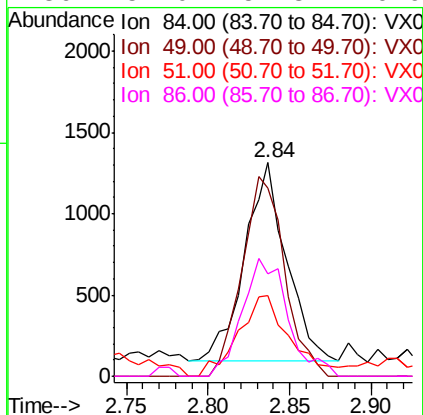
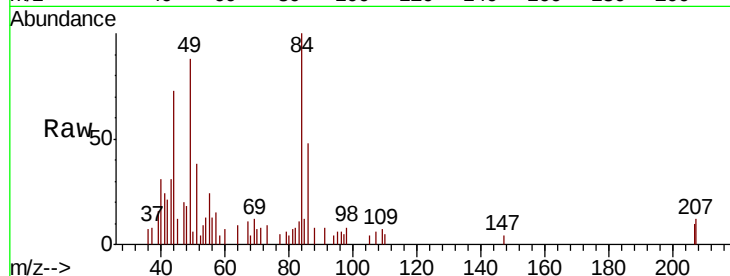




#18
Methvlene Chloride
Concen: 0.765 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

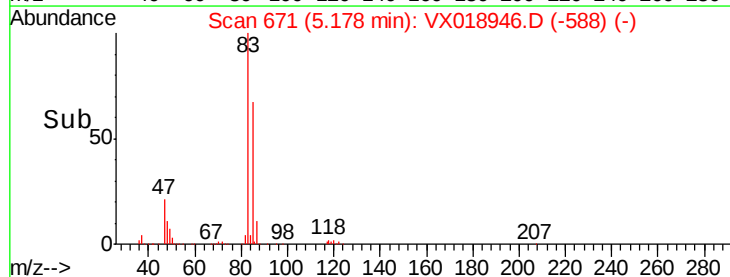
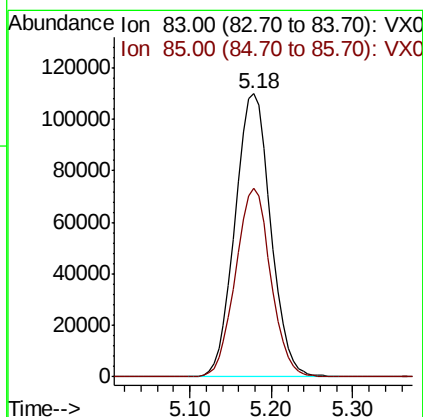
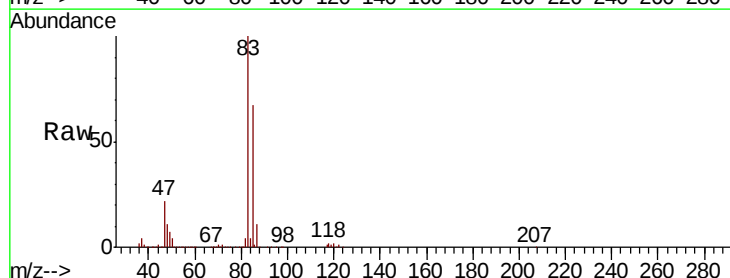
Instrument :
MSVOA_X
ClientSampleId :
14B-2

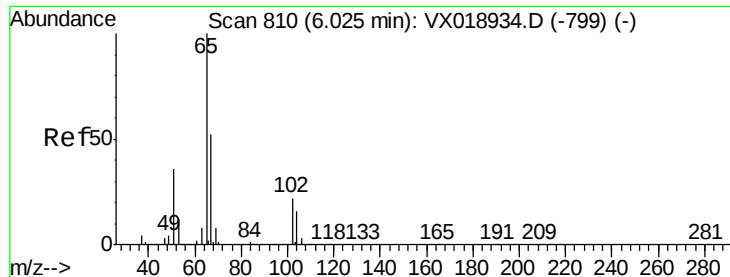
Tot Ion: 84 Resp: 2156
Ion Ratio Lower Upper
84 100
49 95.2 87.2 130.8
51 40.5 25.9 38.9#
86 52.0 51.3 76.9



#25
Chloroform
Concen: 68.260 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

Tgt Ion: 83 Resp: 333349
Ion Ratio Lower Upper
83 100
85 66.5 50.3 75.5

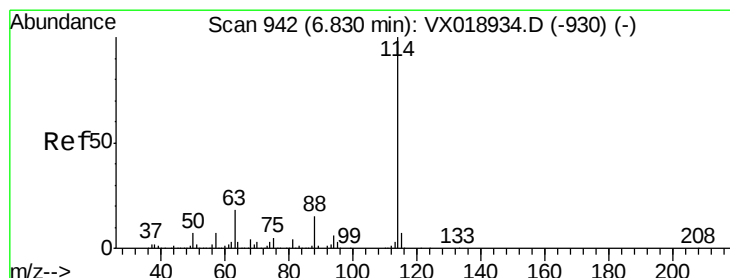
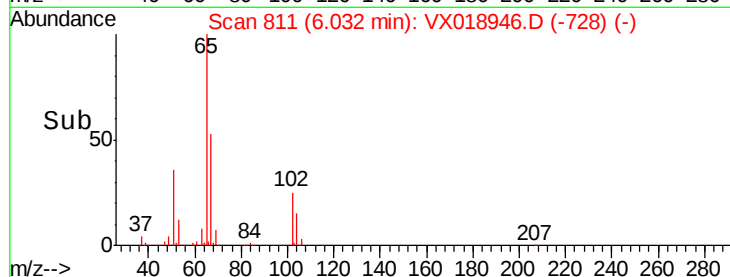
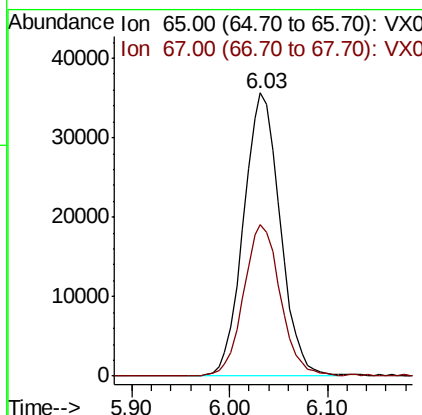
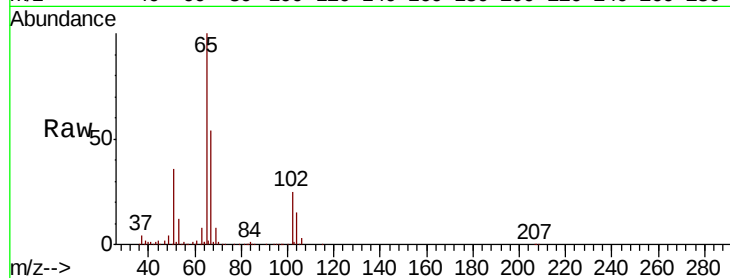




#27
 1,2-Dichloroethane-d4
 Concen: 31.216 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX018946.D
 Acq: 15 Oct 2020 20:38

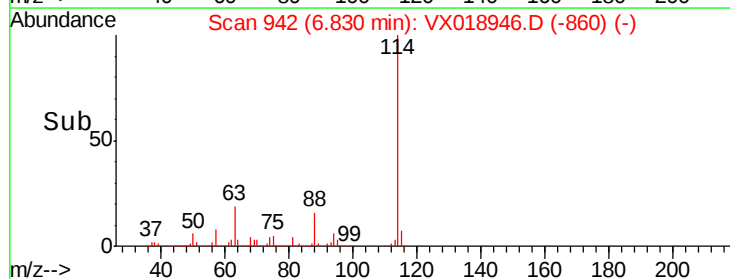
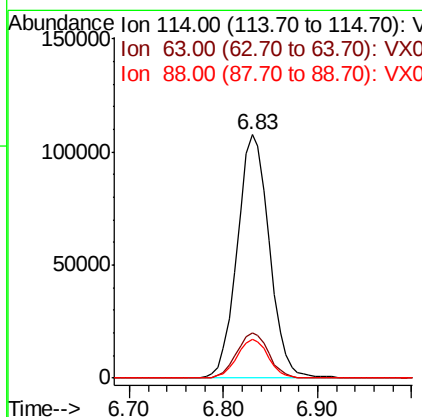
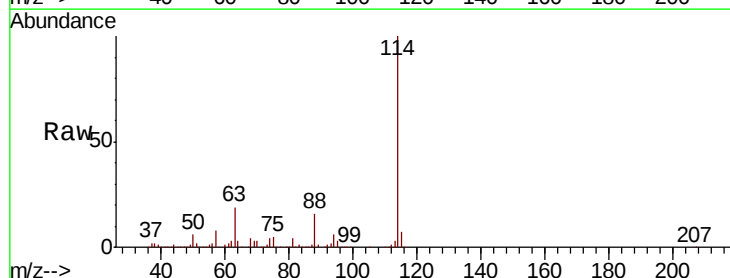
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

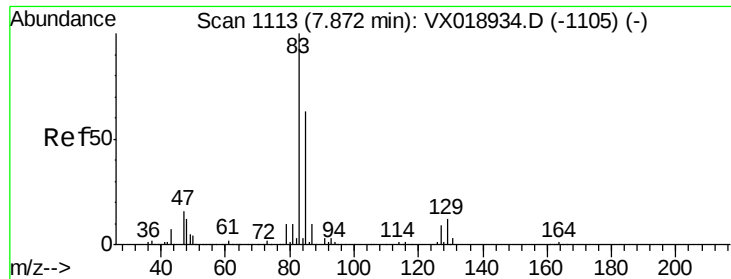
Tot Ion: 65 Resp: 92979
 Ion Ratio Lower Upper
 65 100
 67 53.0 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018946.D
 Acq: 15 Oct 2020 20:38

Tgt Ion: 114 Resp: 256711
 Ion Ratio Lower Upper
 114 100
 63 18.8 14.6 21.8
 88 15.7 12.3 18.5





#41

Bromodichloromethane

Concen: 8.473 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

14B-2

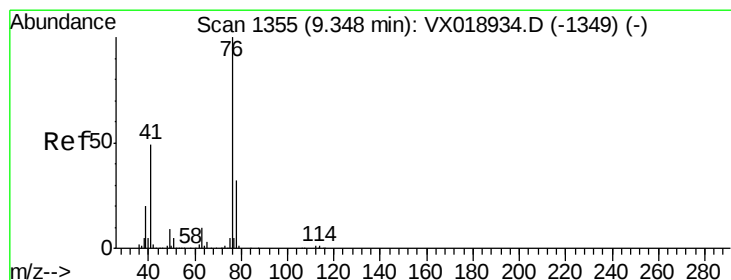
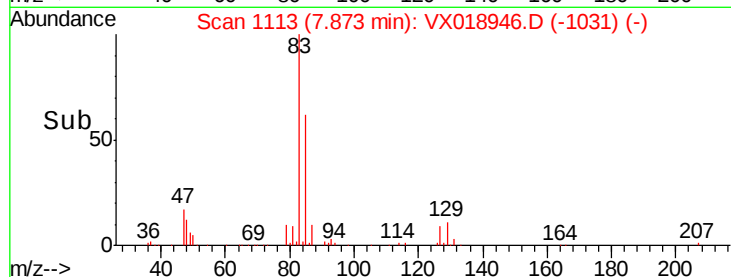
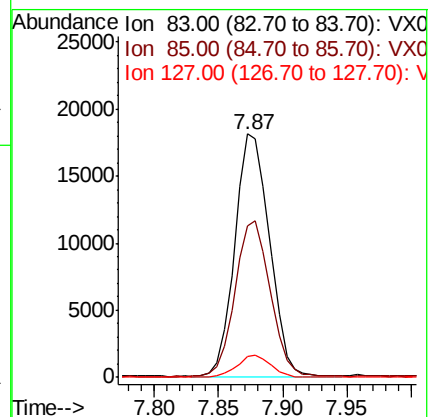
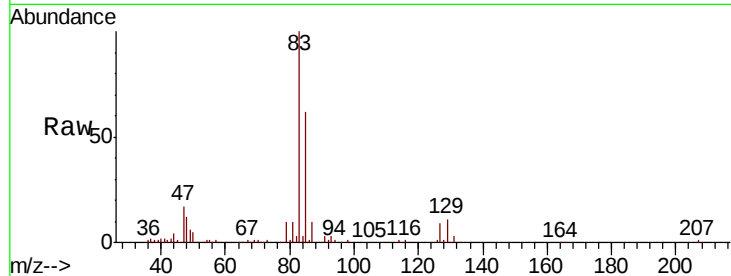
Tot Ion: 83 Resp: 34178

Ion Ratio Lower Upper

83 100

85 62.0 50.4 75.6

127 8.6 7.5 11.3



#52

1,3-Dichloropropane

Concen: 0.277 ug/l

RT: 9.04 min Scan# 1304

Delta R.T. -0.31 min

Lab File: VX018946.D

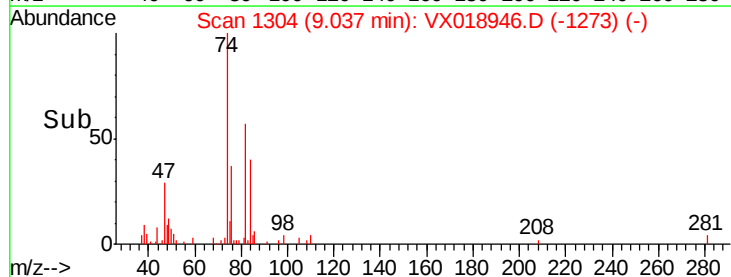
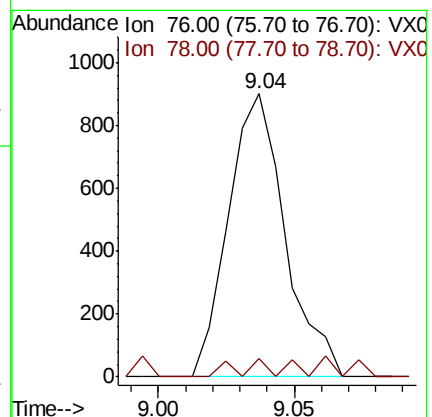
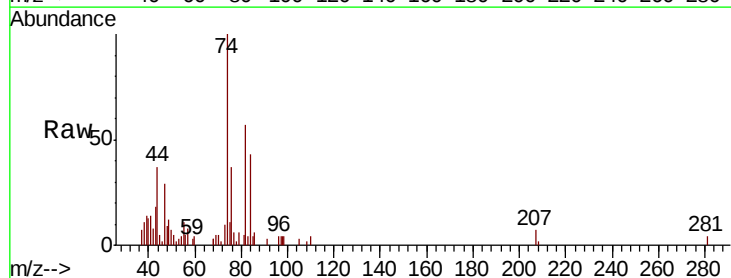
Acq: 15 Oct 2020 20:38

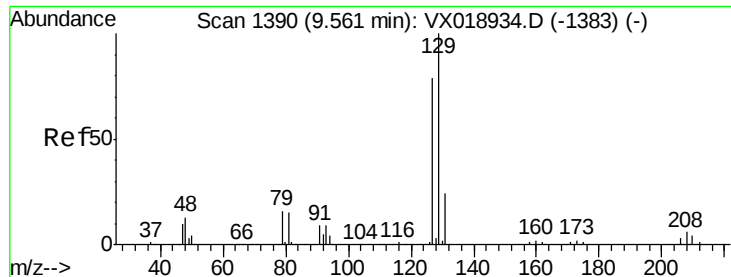
Tgt Ion: 76 Resp: 1300

Ion Ratio Lower Upper

76 100

78 3.2 0.0 65.2





#53

Dibromochloromethane

Concen: 0.668 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

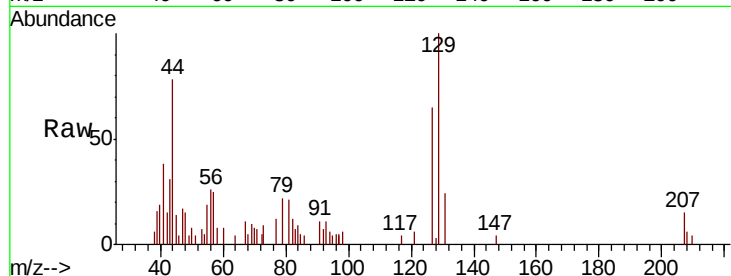
14B-2

Tot Ion:129 Resp: 2258

Ion Ratio Lower Upper

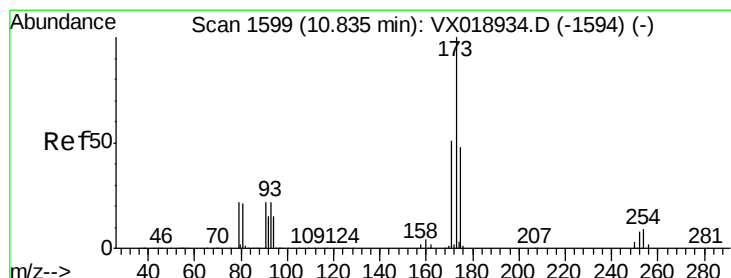
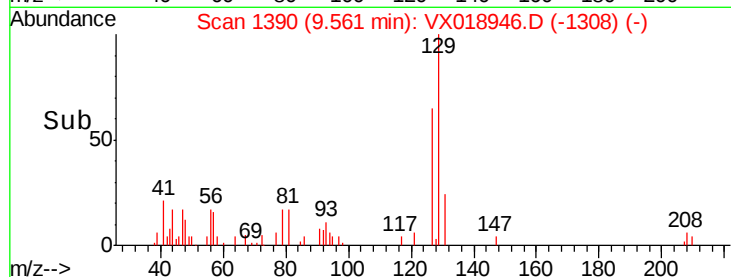
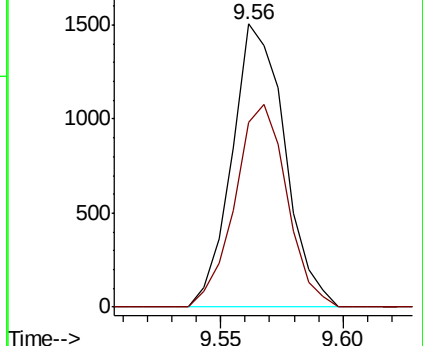
129 100

127 70.4 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

Bromoform

Concen: 0.261 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.28 min

Lab File: VX018946.D

Acq: 15 Oct 2020 20:38

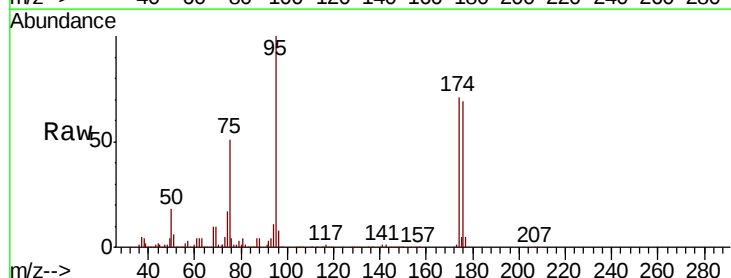
Tgt Ion:173 Resp: 682

Ion Ratio Lower Upper

173 100

175 823.3 39.2 58.8#

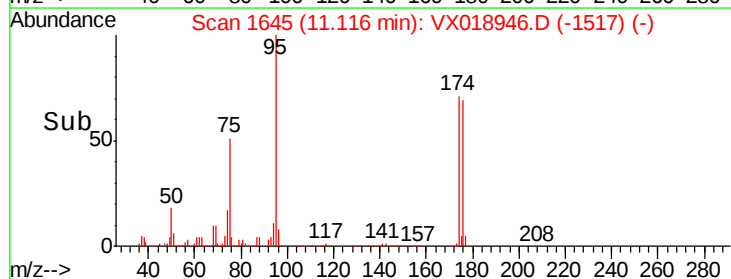
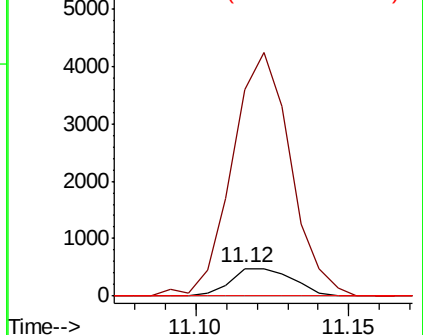
254 0.0 7.5 11.3#

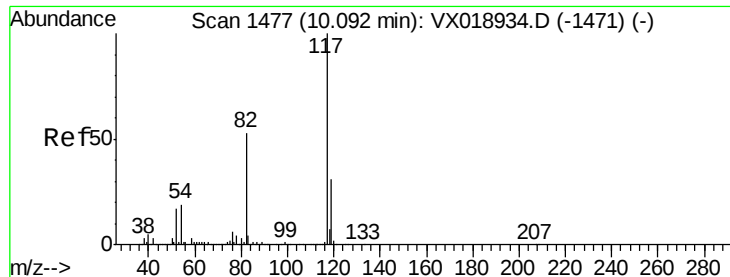


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

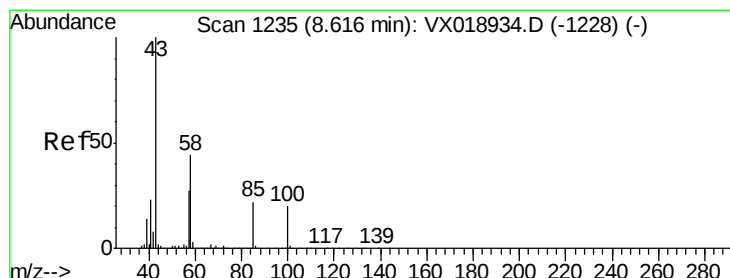
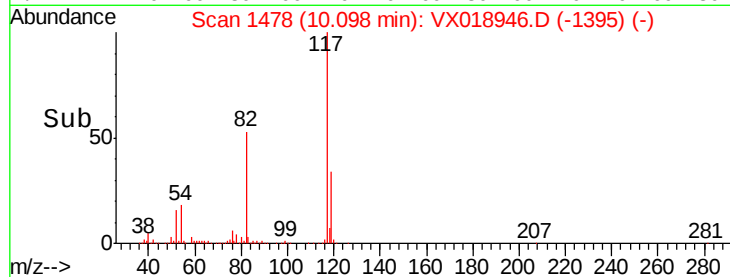
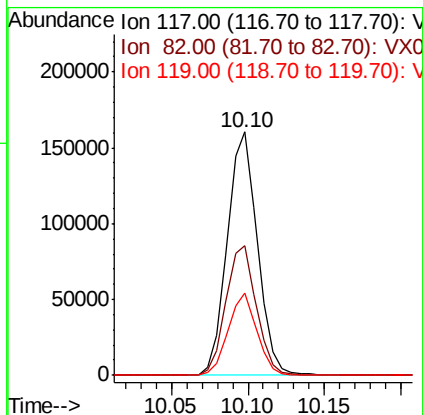
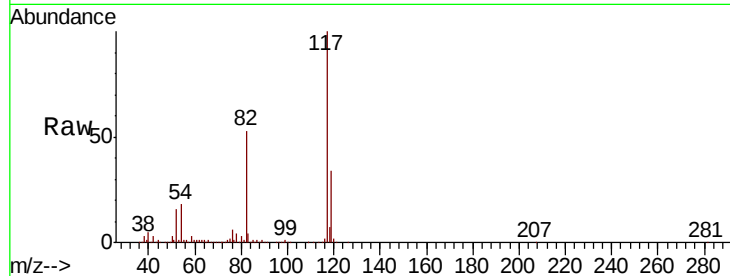




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

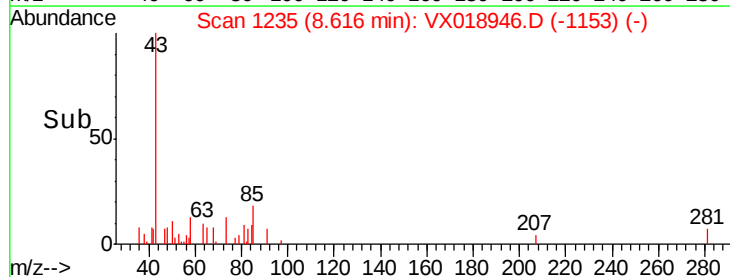
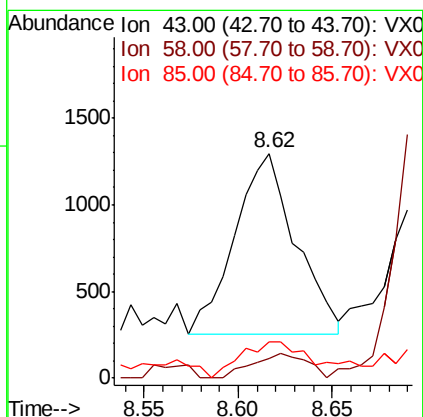
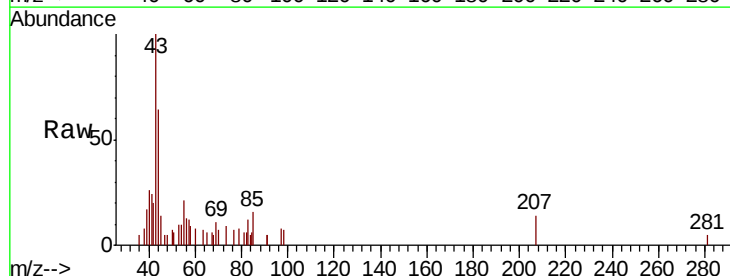
Instrument :
MSVOA_X
ClientSampleId :
14B-2

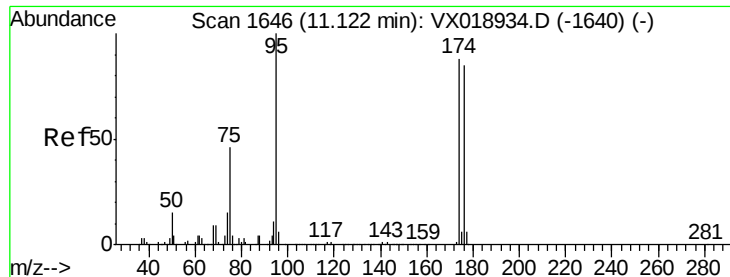
Tot Ion:117 Resp: 219342
Ion Ratio Lower Upper
117 100
82 53.5 41.6 62.4
119 32.5 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.669 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
58 12.1 35.4 53.2#
85 20.2 18.0 27.0

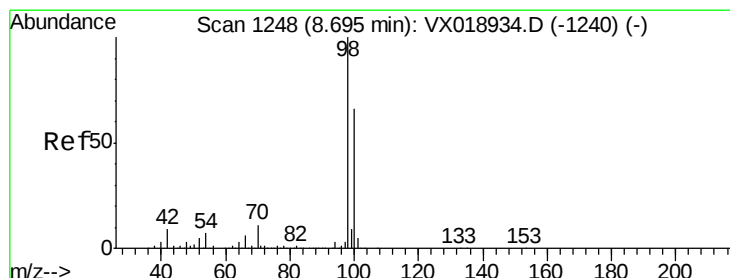
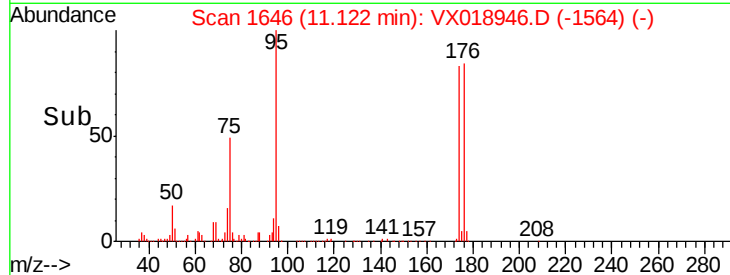
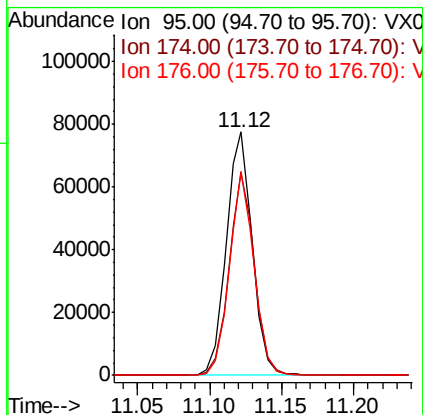
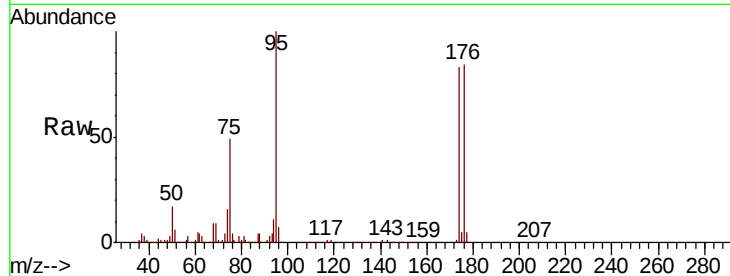




#60
4-Bromofluorobenzene
Concen: 28.783 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampled :
14B-2

Tot Ion: 95 Resp: 98289
Ion Ratio Lower Upper
95 100
174 81.0 67.0 100.4
176 79.1 64.5 96.7



#63
Toluene-d8
Concen: 31.032 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018946.D
Acq: 15 Oct 2020 20:38

Tgt Ion: 98 Resp: 297348
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8

