

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
 Data File : VX013246.D
 Acq On : 28 Oct 2019 14:29
 Operator : JC/SP
 Sample : K5580-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-007-IDWGW-20191025

Quant Time: Oct 29 15:15:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	22509	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	124981	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	109291	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	55443	31.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.30%
60) 4-Bromofluorobenzene	11.13	95	52008	27.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.10%
63) Toluene-d8	8.71	98	149690	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

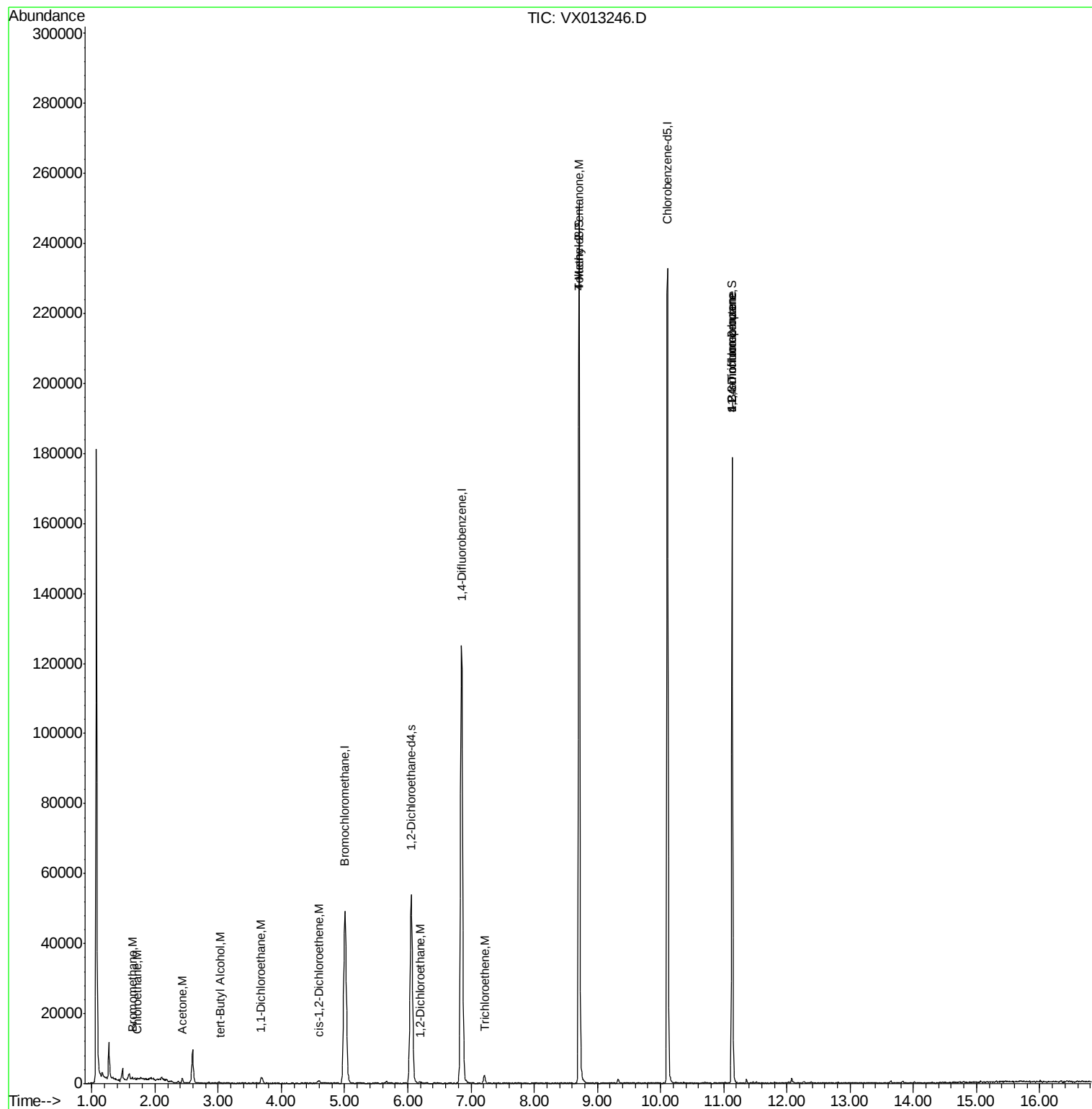
					Qvalue	
5) Bromomethane	1.64	94	294	0.374	ug/l #	49
6) Chloroethane	1.71	64	426	0.458	ug/l #	43
15) Acetone	2.44	58	420	1.709	ug/l #	23
21) 1,1-Dichloroethane	3.68	63	1329	0.515	ug/l #	80
22) cis-1,2-Dichloroethene	4.59	96	460	0.275	ug/l #	77
23) tert-Butyl Alcohol	3.03	59	491	1.250	ug/l #	100
36) 1,2-Dichloroethane	6.19	62	434	0.205	ug/l #	73
37) Trichloroethene	7.21	130	963	0.621	ug/l	89
58) 4-Methyl-2-Pentanone	8.71	43	649	0.352	ug/l #	1
72) 1,2,3-Trichloropropane	11.14	75	26788	14.889	ug/l	40
77) t-1,4-Dichloro-2-butene	11.14	75	26788	38.347	ug/l #	9

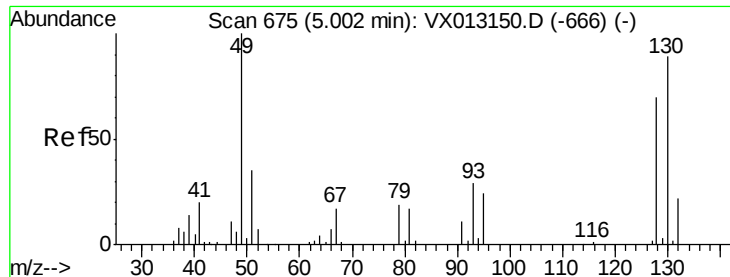
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
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Instrument :
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ClientSampleId :
TT-007-IDW/GW-20191025

Quant Time: Oct 29 15:15:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

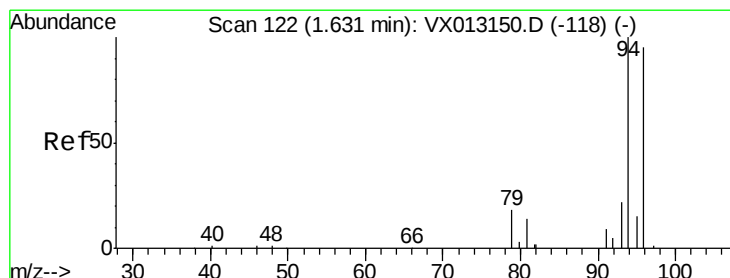
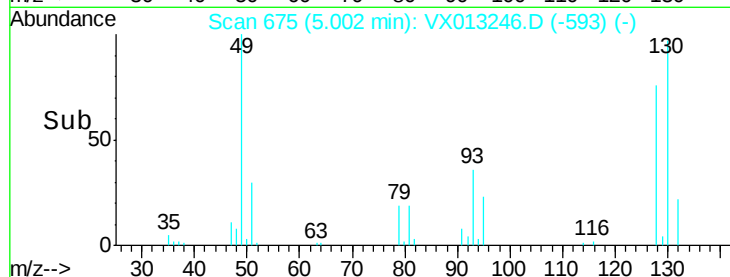
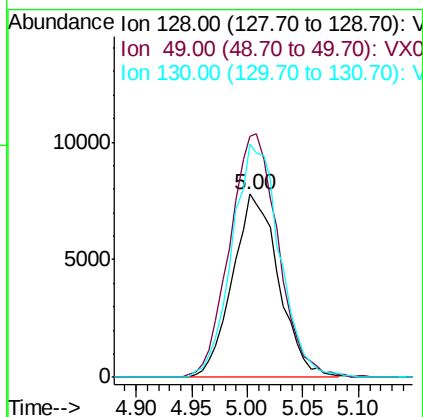
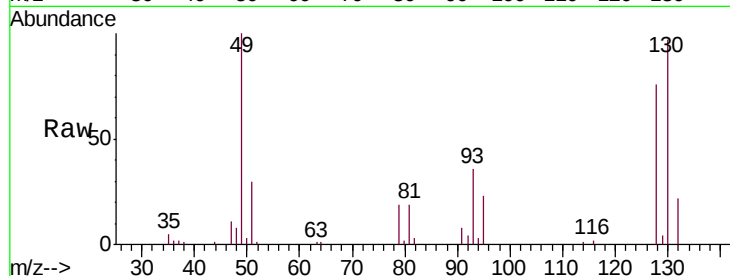




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

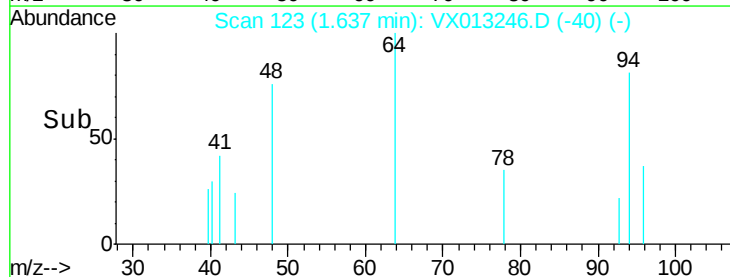
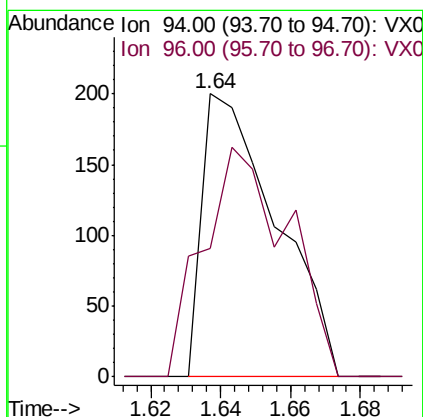
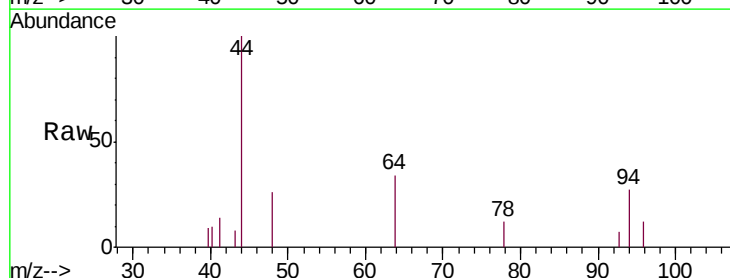
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-007-IDWGW-20191025

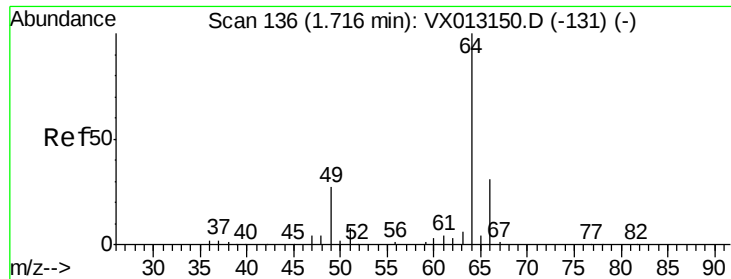
Tgt Ion:128 Resp: 22509
 Ion Ratio Lower Upper
 128 100
 49 138.3 0.0 367.3
 130 131.6 0.0 325.0



#5
 Bromomethane
 Concen: 0.374 ug/l
 RT: 1.64 min Scan# 123
 Delta R.T. 0.01 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Tgt Ion: 94 Resp: 294
 Ion Ratio Lower Upper
 94 100
 96 45.5 75.9 113.9#

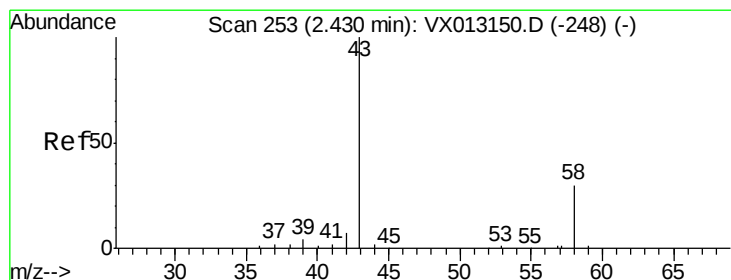
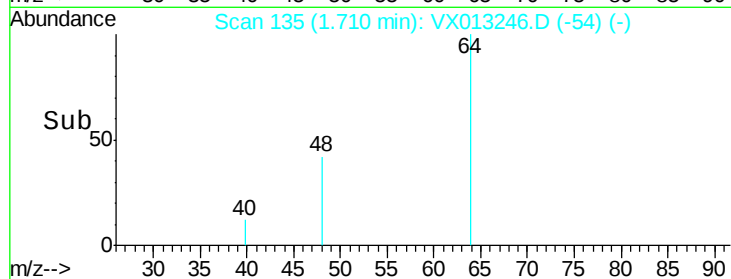
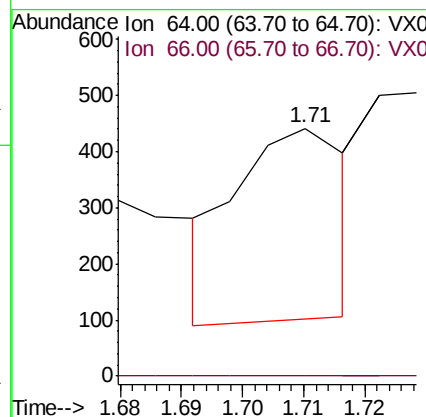
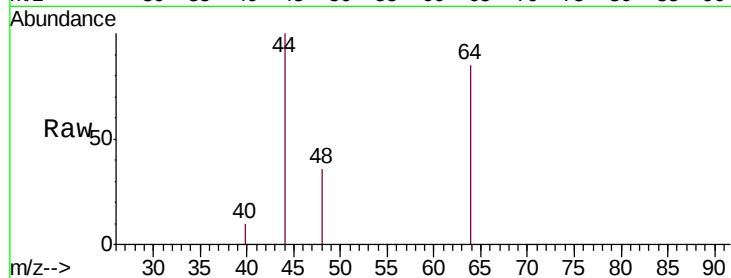




#6
Chloroethane
Concen: 0.458 ug/l
RT: 1.71 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX013246.D
Acq: 28 Oct 2019 14:29

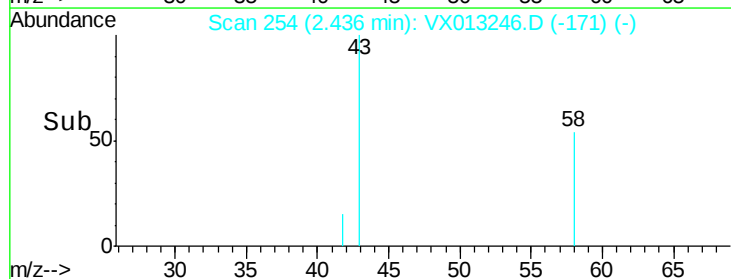
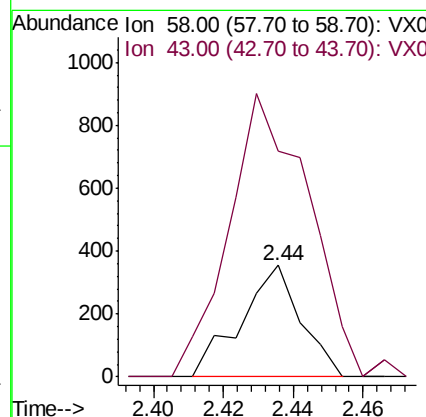
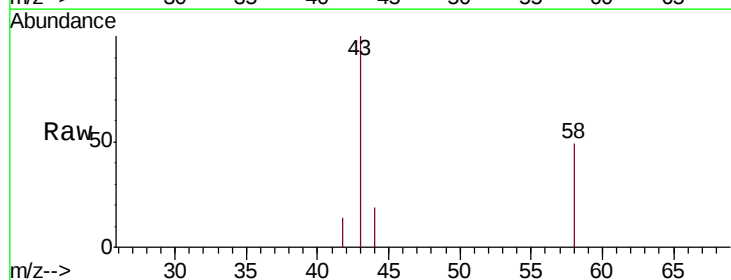
Instrument :
MSVOA_X
ClientSampleId :
TT-007-IDW/GW-20191025

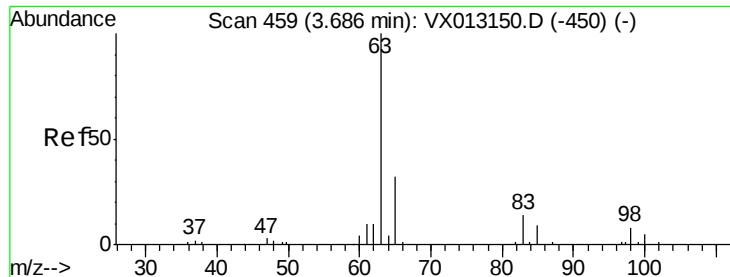
Tgt Ion: 64 Resp: 426
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#15
Acetone
Concen: 1.709 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013246.D
Acq: 28 Oct 2019 14:29

Tgt Ion: 58 Resp: 420
Ion Ratio Lower Upper
58 100
43 167.2 262.8 394.2#

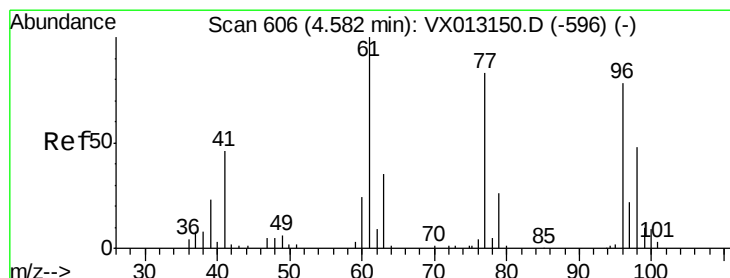
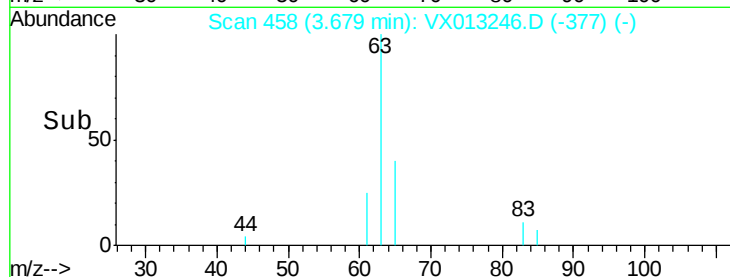
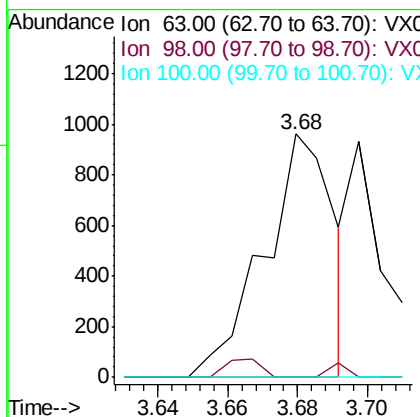
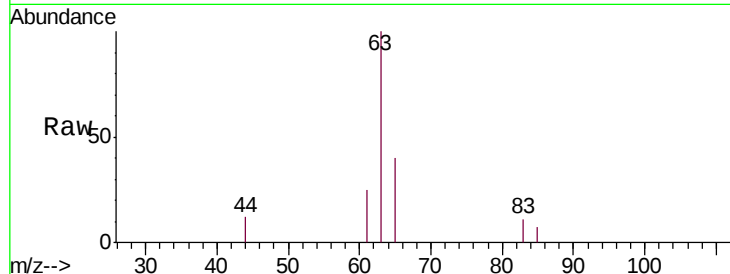




#21
 1,1-Dichloroethane
 Concen: 0.515 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

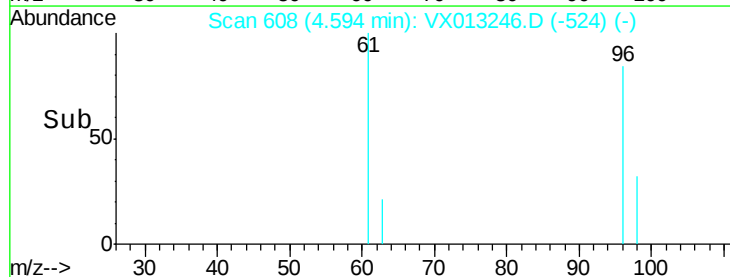
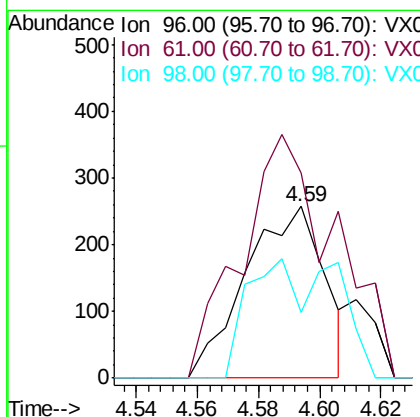
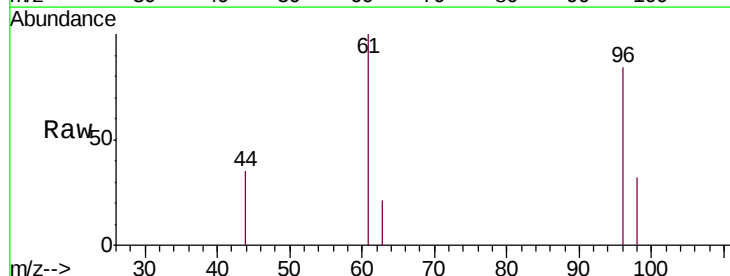
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-007-IDWGW-20191025

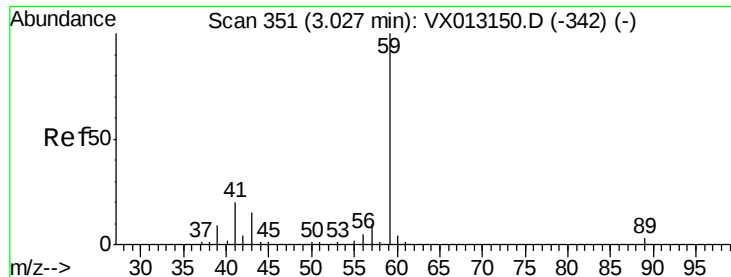
Tgt Ion: 63 Resp: 1329
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.2 12.4#
 100 0.0 2.4 7.2#



#22
 cis-1,2-Dichloroethene
 Concen: 0.275 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Tgt Ion: 96 Resp: 460
 Ion Ratio Lower Upper
 96 100
 61 168.3 112.5 168.7
 98 45.2 51.2 76.8#

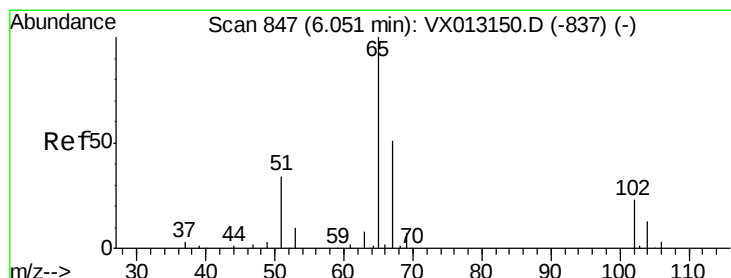
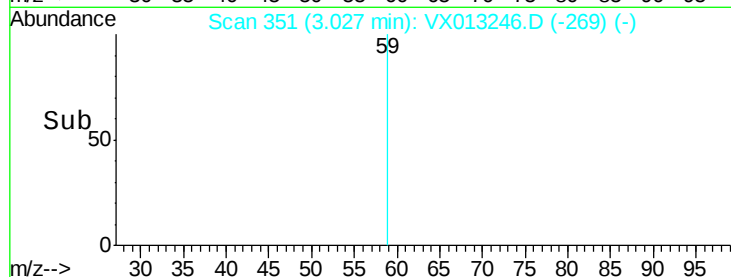
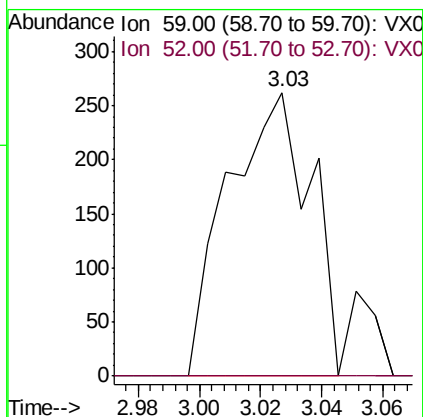
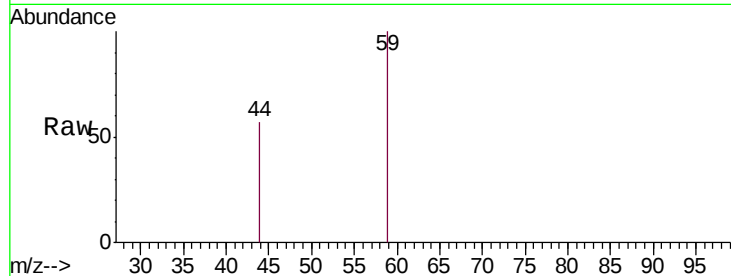




#23
 tert-Butyl Alcohol
 Concen: 1.250 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

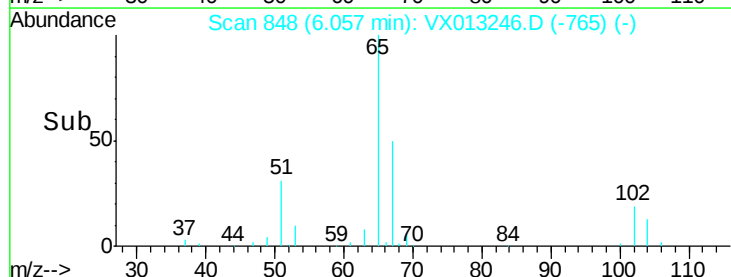
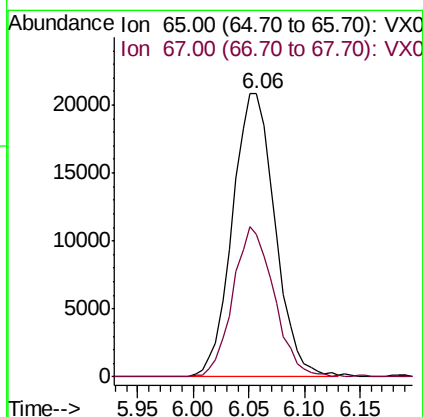
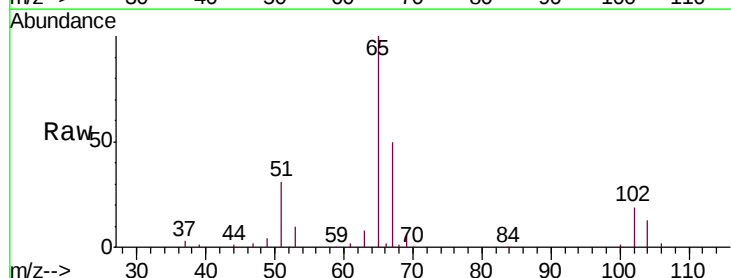
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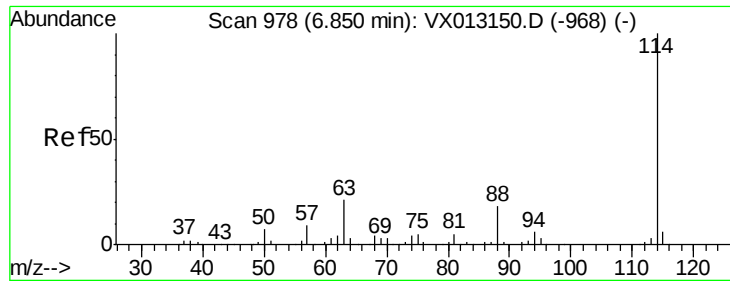
Tgt Ion: 59 Resp: 491
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 31.289 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Tgt Ion: 65 Resp: 55443
 Ion Ratio Lower Upper
 65 100
 67 50.7 42.2 63.4

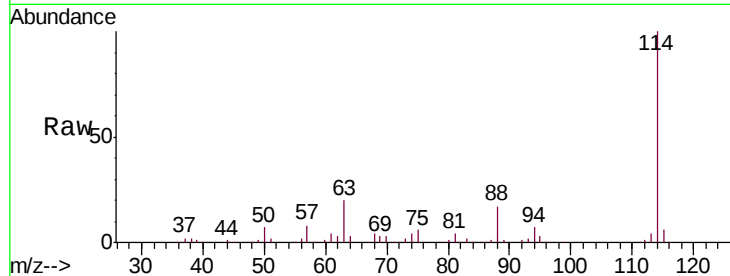




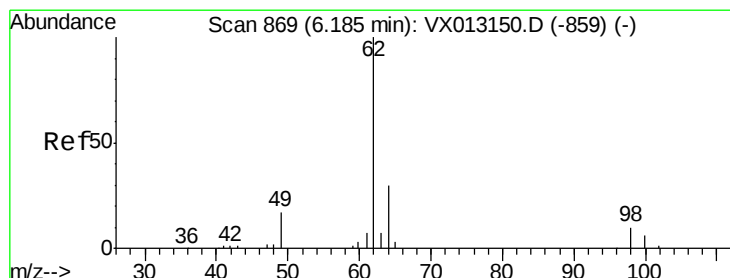
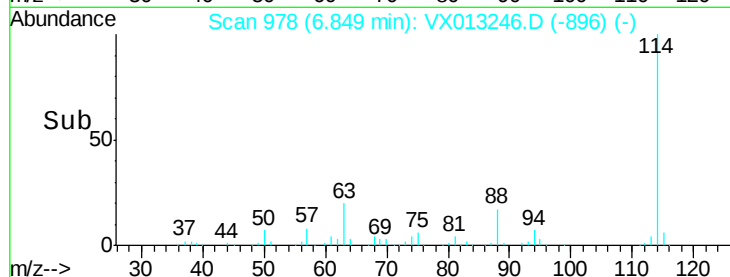
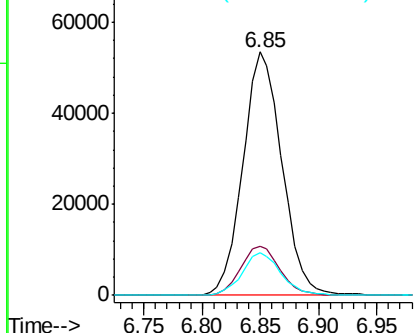
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-007-IDW/GW-20191025

Tgt Ion: 114 Resp: 124981
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 17.4 13.7 20.5

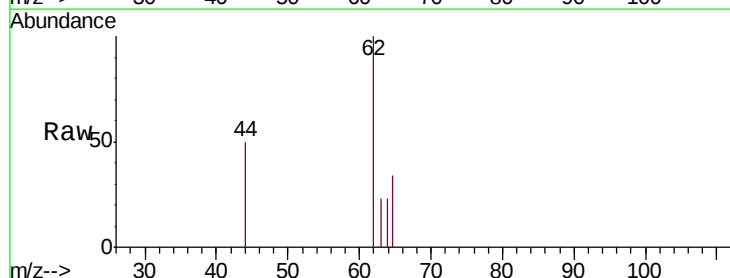


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

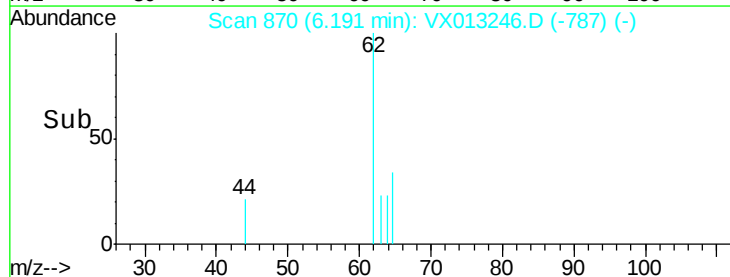
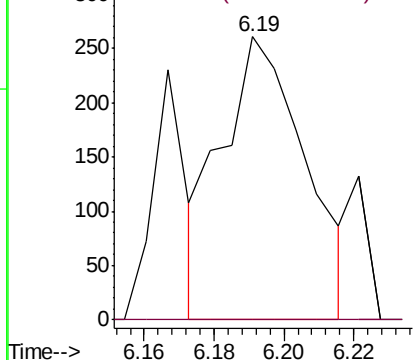


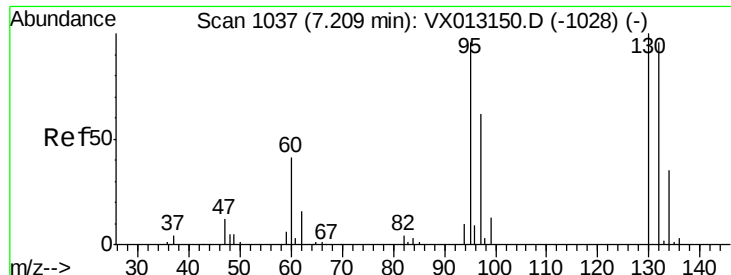
#36
 1,2-Dichloroethane
 Concen: 0.205 ug/l
 RT: 6.19 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Tgt Ion: 62 Resp: 434
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

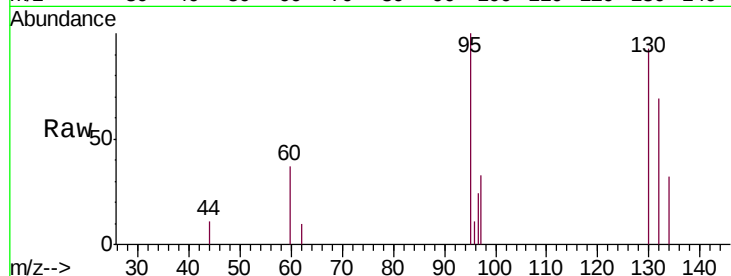




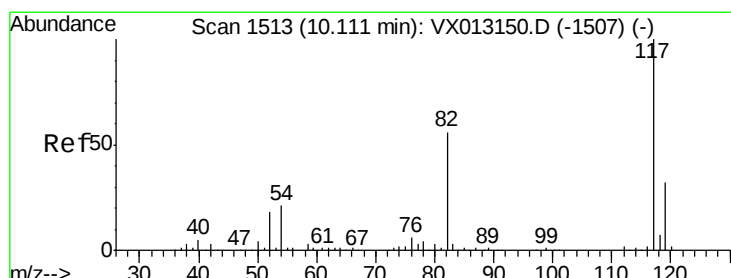
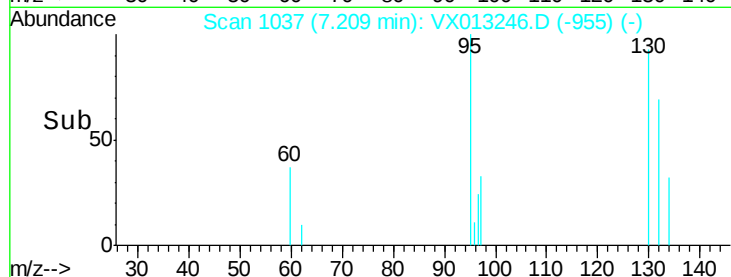
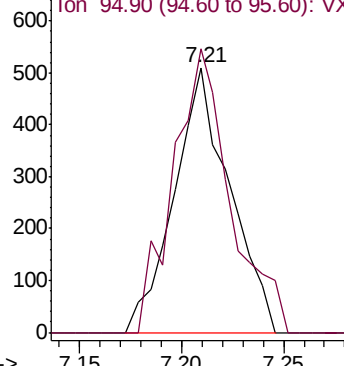
#37
 Trichloroethene
 Concen: 0.621 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Instrument :
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 ClientSampleId :
 TT-007-IDW/GW-20191025

Tgt Ion:130 Resp: 963
 Ion Ratio Lower Upper
 130 100
 95 107.1 77.0 115.6

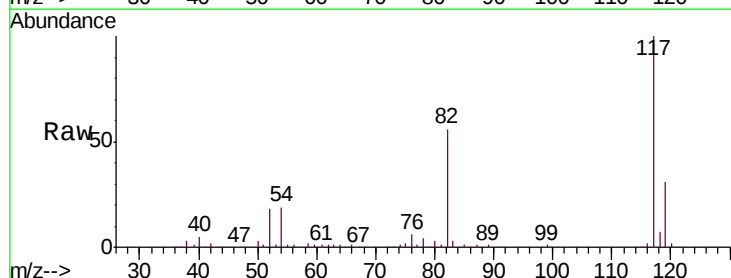


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

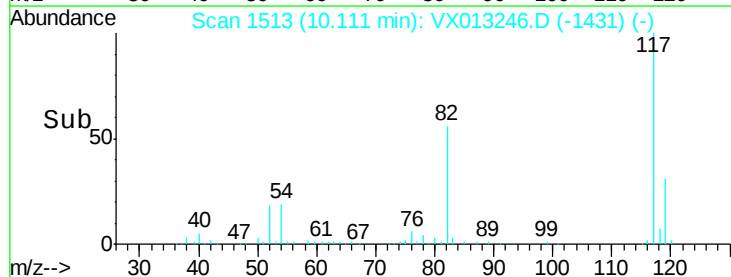
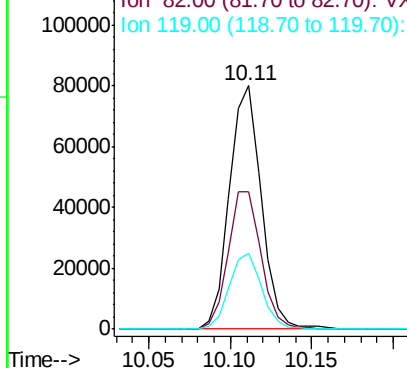


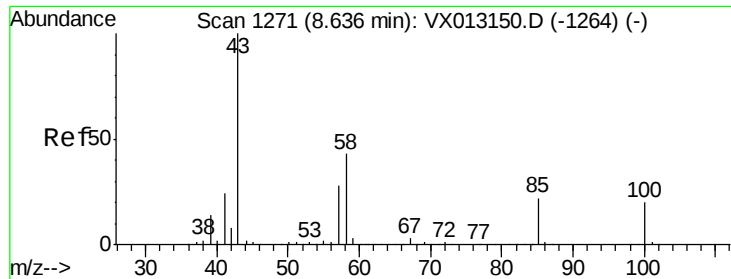
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX013246.D
 Acq: 28 Oct 2019 14:29

Tgt Ion:117 Resp: 109291
 Ion Ratio Lower Upper
 117 100
 82 58.2 46.0 69.0
 119 31.8 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 119.00 (118.70 to 119.70): V

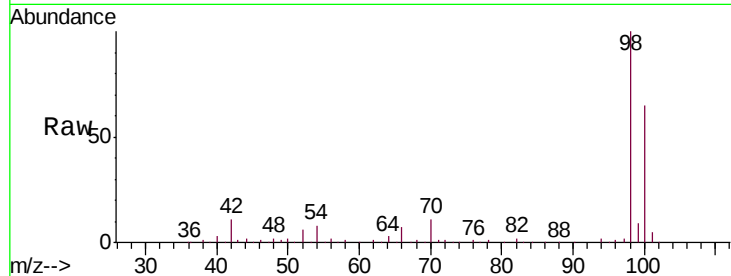




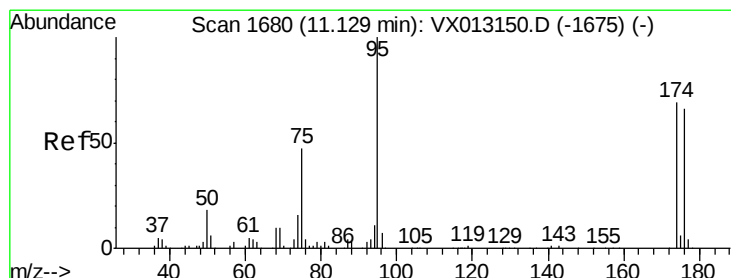
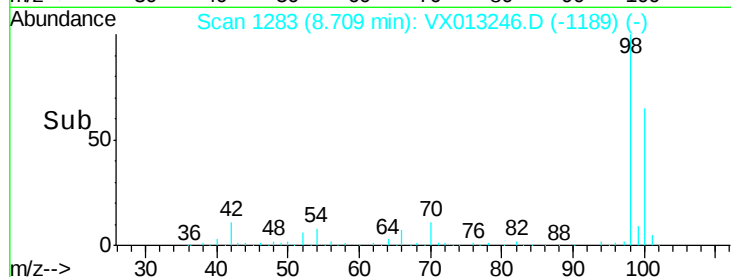
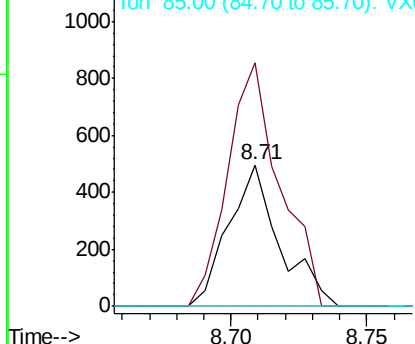
#58
4-Methyl-2-Pentanone
Concen: 0.352 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013246.D
Acq: 28 Oct 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
TT-007-IDW/GW-20191025

Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 175.7 33.8 50.8#
85 0.0 16.8 25.2#

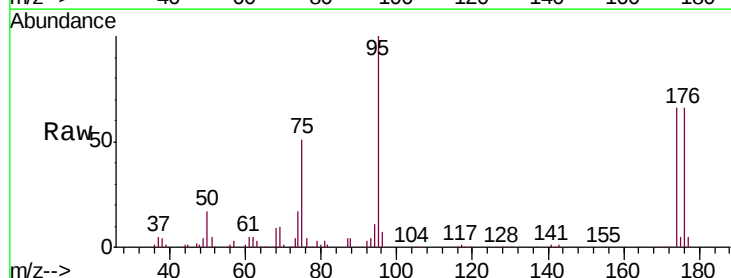


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

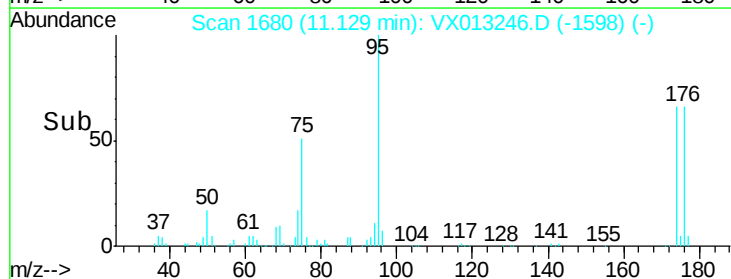
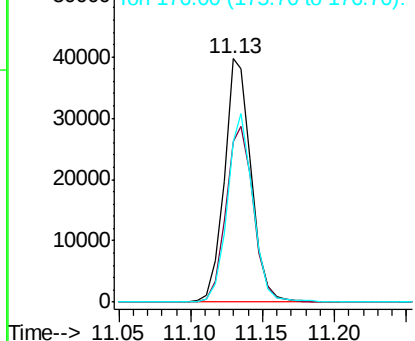


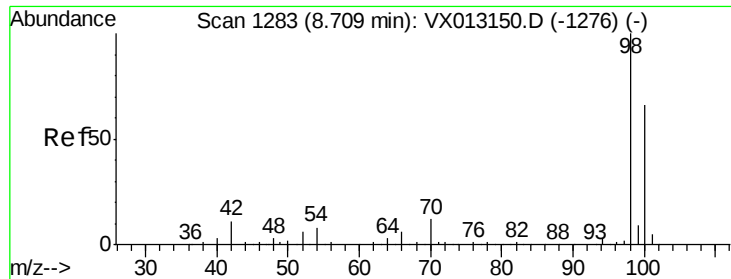
#60
4-Bromofluorobenzene
Concen: 27.328 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013246.D
Acq: 28 Oct 2019 14:29

Tgt Ion: 95 Resp: 52008
Ion Ratio Lower Upper
95 100
174 74.3 60.0 90.0
176 73.4 58.5 87.7



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.795 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013246.D

Acq: 28 Oct 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

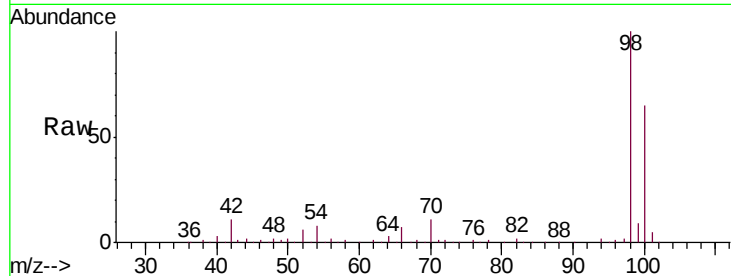
TT-007-IDW/GW-20191025

Tgt Ion: 98 Resp: 149690

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

100000

80000

60000

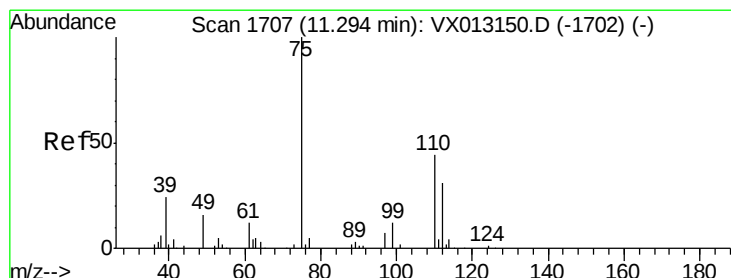
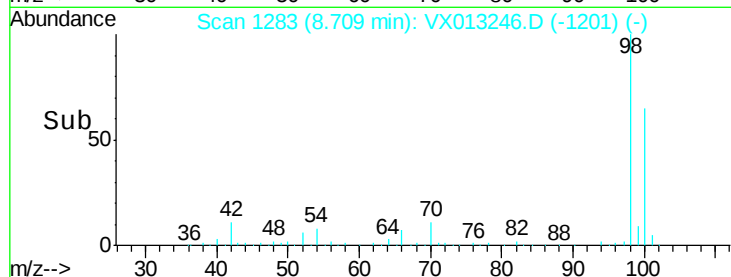
40000

20000

0

Time-->

8.65 8.70 8.75 8.80



#72

1,2,3-Trichloropropane

Concen: 14.889 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013246.D

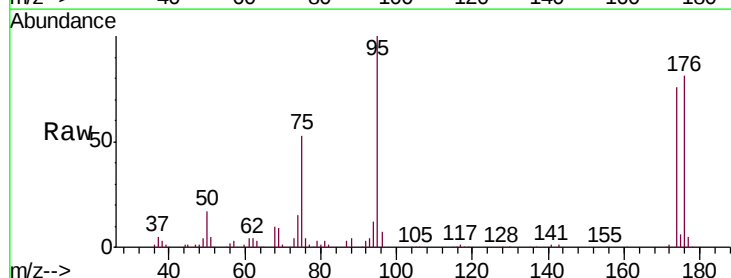
Acq: 28 Oct 2019 14:29

Tgt Ion: 75 Resp: 26788

Ion Ratio Lower Upper

75 100

77 1.0 0.0 74.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

20000

15000

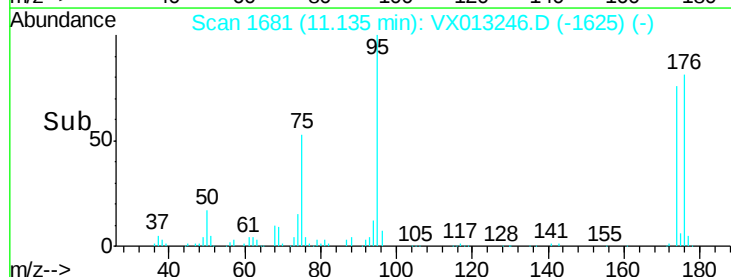
10000

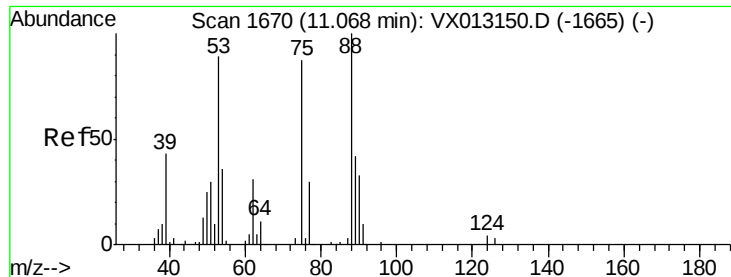
5000

0

Time-->

11.10 11.15 11.20





#77
t-1,4-Dichloro-2-butene
Concen: 38.347 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX013246.D
Acq: 28 Oct 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
TT-007-IDW/GW-20191025

Tgt Ion: 75 Resp: 26788
Ion Ratio Lower Upper
75 100
53 0.0 51.1 153.4#
89 0.0 24.1 72.4#

