

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013232.D
 Acq On : 25 Oct 2019 15:40
 Operator : JC/SP
 Sample : K5546-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW810-8.0-13.0-102419

Quant Time: Oct 25 23:04:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	78056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	117822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	117781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	70356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	88922	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
35) Dibromofluoromethane	5.49	113	66287	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.71	98	235980	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.14	95	84461	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

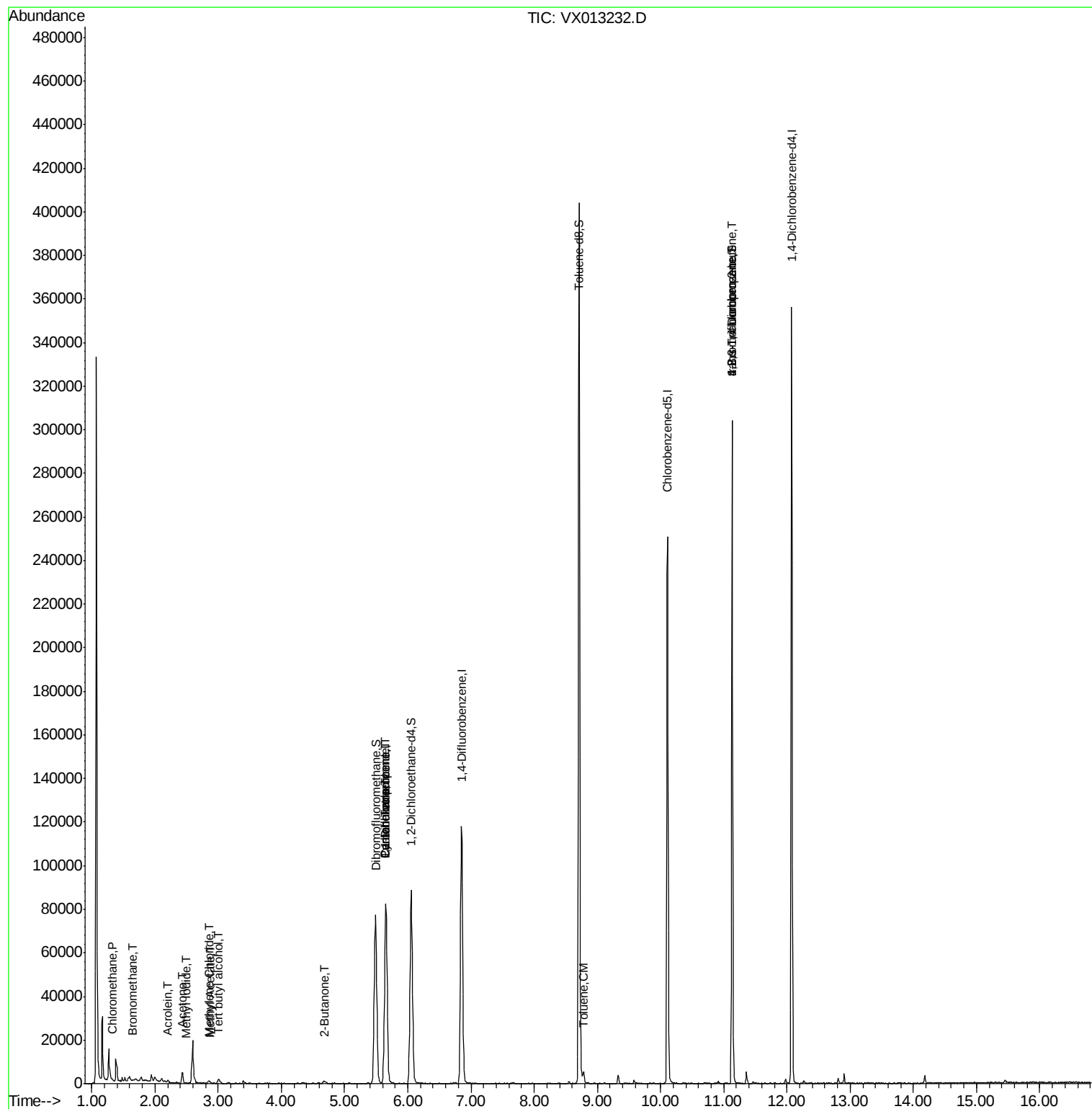
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	161	1.099	ug/l #	40
5) Bromomethane	1.64	94	153	0.204	ug/l #	3
6) Chloroethane	1.70	64	211	Below Cal	#	43
10) Methyl Iodide	2.50	142	45	3.564	ug/l #	40
11) Tert butyl alcohol	3.01	59	1314	2.659	ug/l #	72
13) Acrolein	2.20	56	55	0.287	ug/l #	1
16) Acetone	2.43	43	5335	6.936	ug/l	98
18) Methyl Acetate	2.87	43	243	1.111	ug/l #	49
20) Methylene Chloride	2.86	84	519	0.647	ug/l #	72
25) 2-Butanone	4.69	43	332	0.322	ug/l #	45
31) Cyclohexane	5.65	56	1638	0.776	ug/l #	26
36) 1,1-Dichloropropene	5.64	75	6124	3.033	ug/l #	48
38) Carbon Tetrachloride	5.65	117	8019	3.682	ug/l #	13
52) Toluene	8.78	92	1886	0.481	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	41469	24.455	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	41469	67.202	ug/l #	10

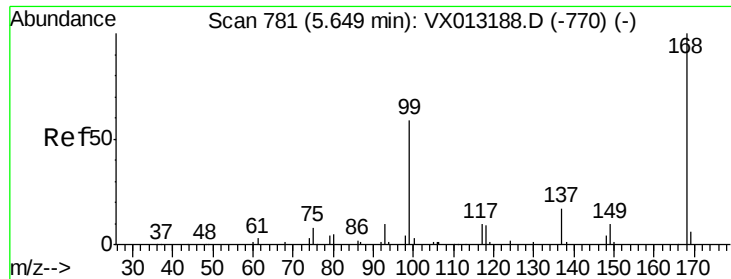
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

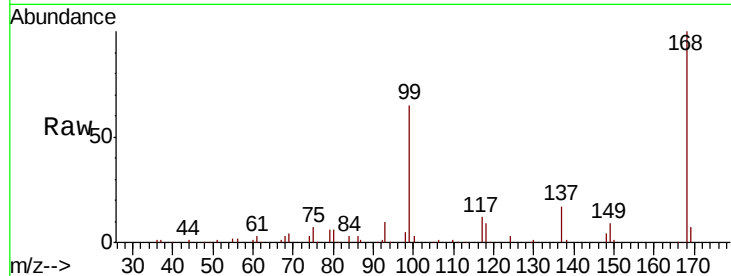
GW810-8.0-13.0-102419

Tot Ion:168 Resp: 78056

Ion Ratio Lower Upper

168 100

99 65.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

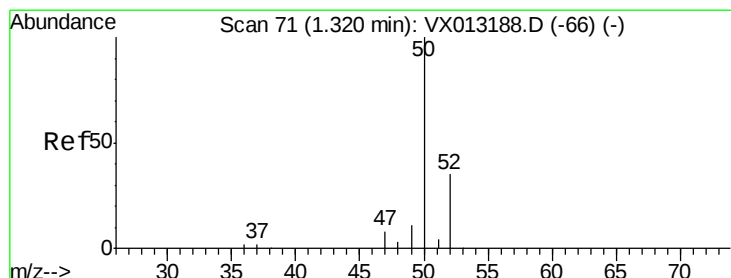
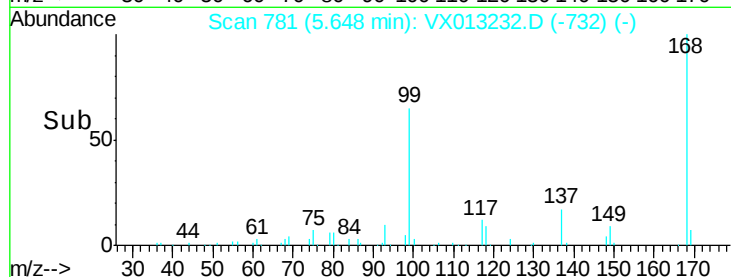
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 1.099 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013232.D

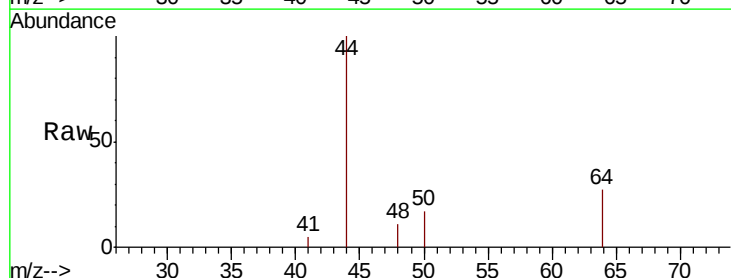
Acq: 25 Oct 2019 15:40

Tgt Ion: 50 Resp: 161

Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

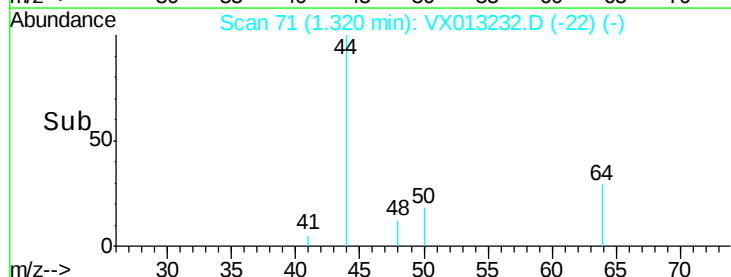
150

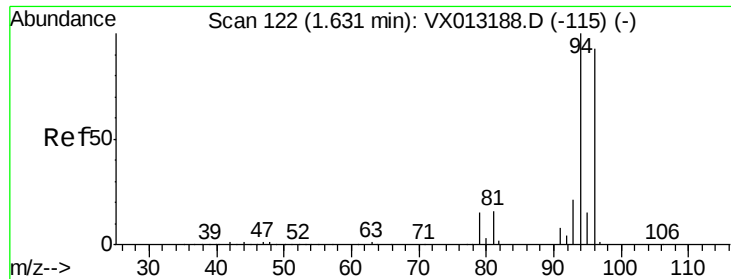
100

50

0

Time-->

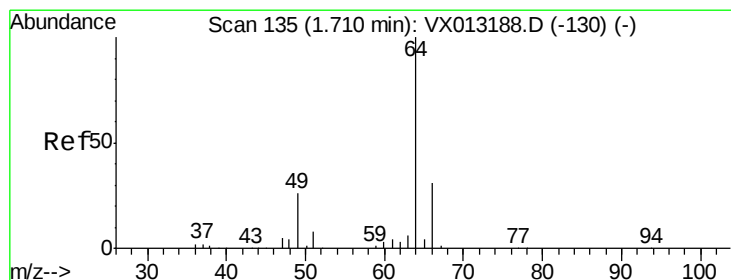
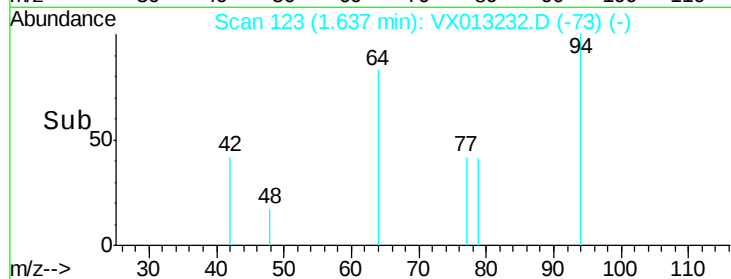
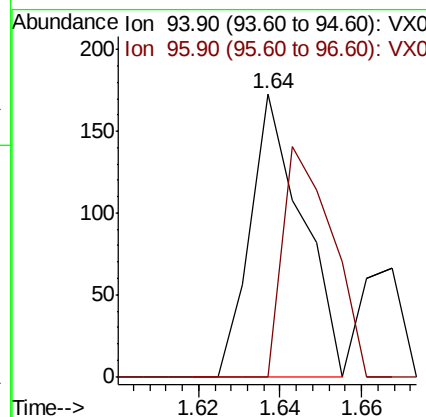
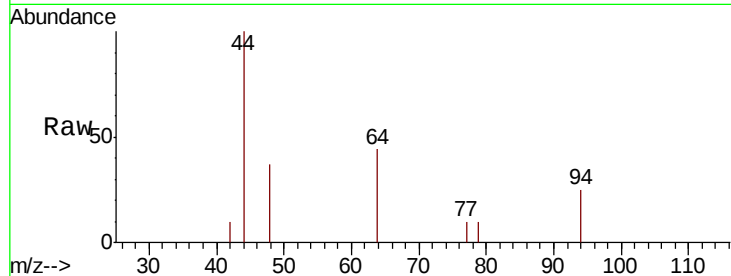




#5
 Bromomethane
 Concen: 0.204 ug/l
 RT: 1.64 min Scan# 123
 Delta R.T. 0.01 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

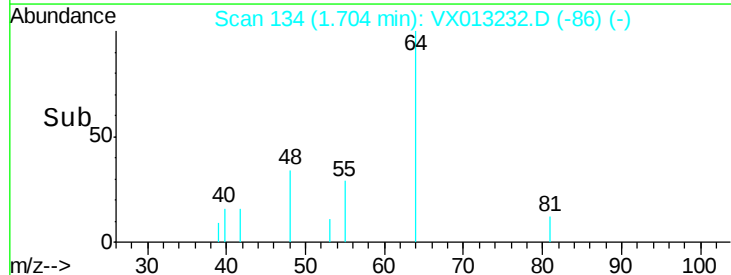
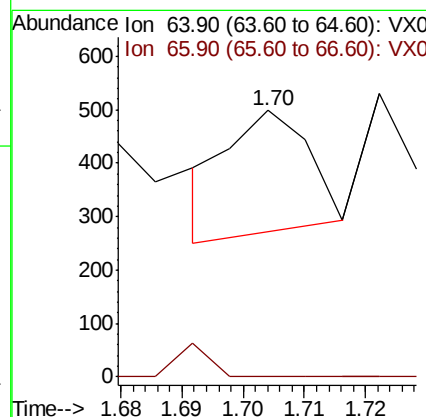
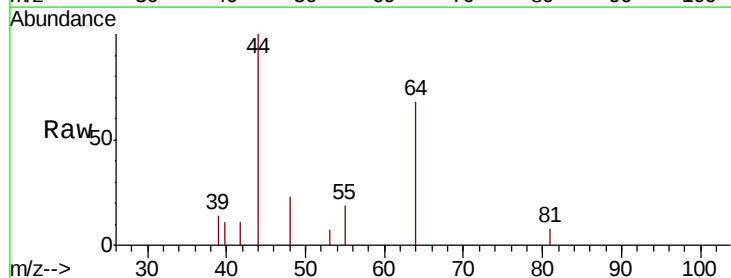
Instrument :
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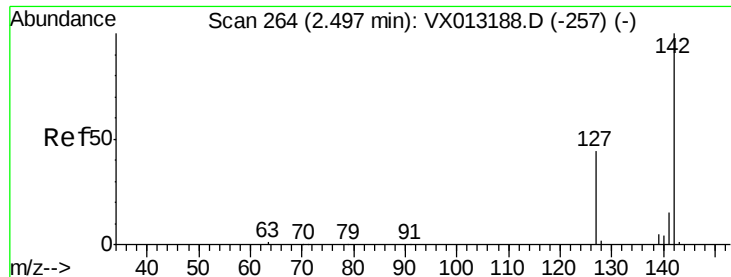
Tot Ion: 94 Resp: 153
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.2 111.2#



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.70 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

Tgt Ion: 64 Resp: 211
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.0 37.6#

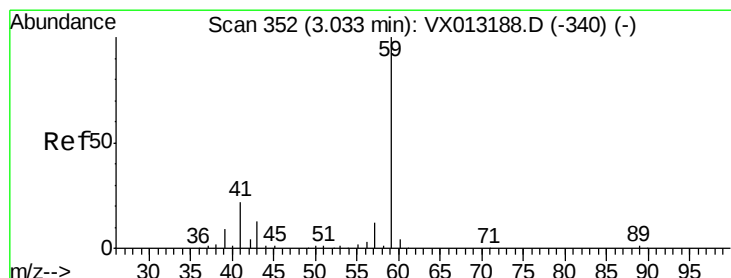
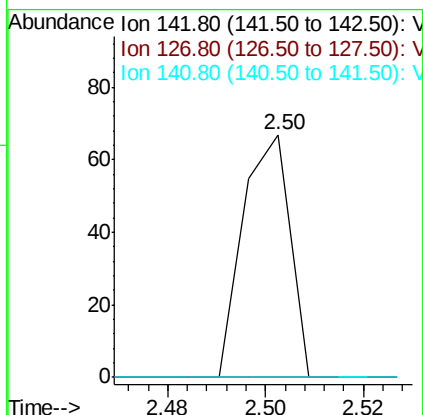
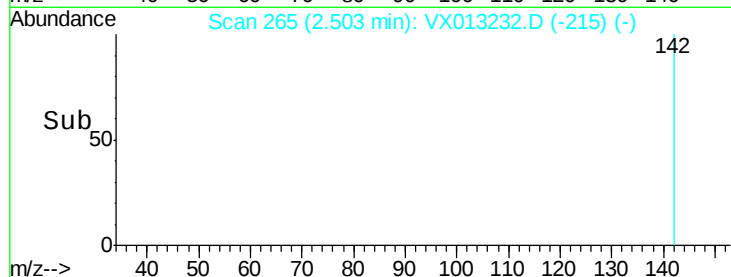
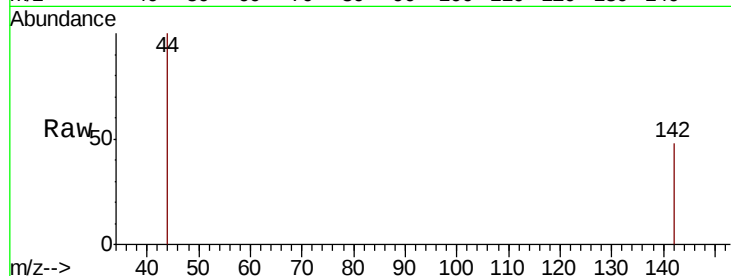




#10
Methyl Iodide
Concen: 3.564 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

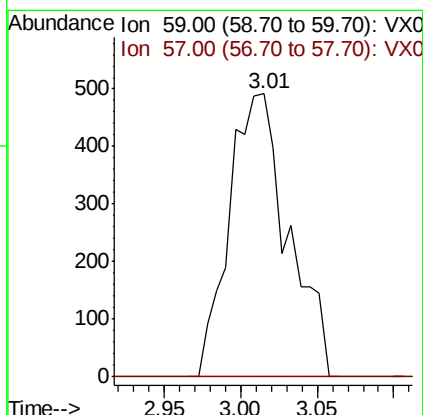
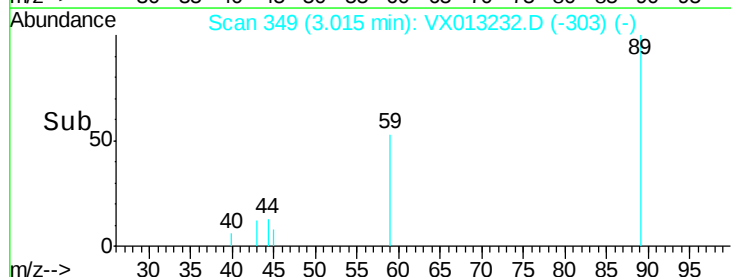
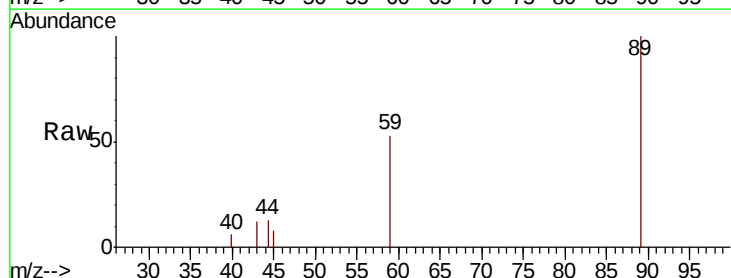
Instrument :
MSVOA_X
ClientSampleId :
GW810-8.0-13.0-102419

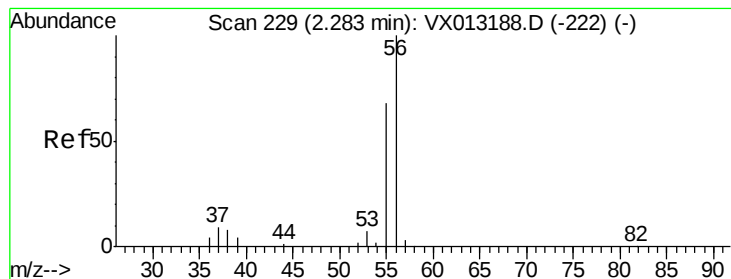
Tot Ion: 142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.659 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

Tgt Ion: 59 Resp: 1314
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.287 ug/l

RT: 2.20 min Scan# 215

Delta R.T. -0.09 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

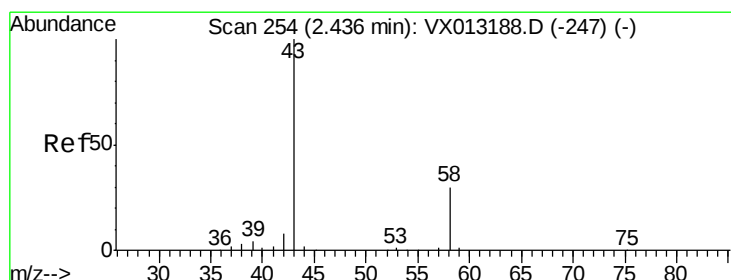
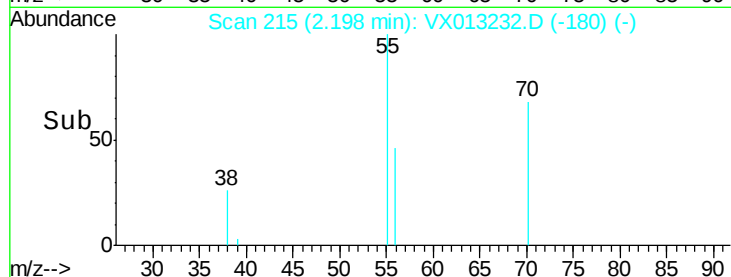
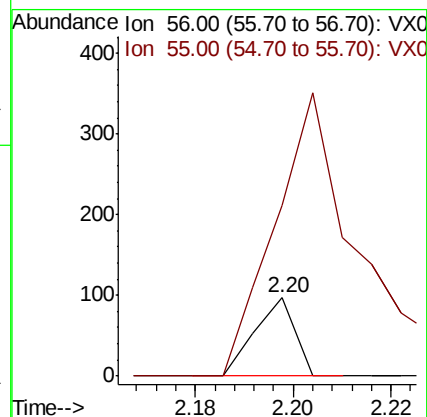
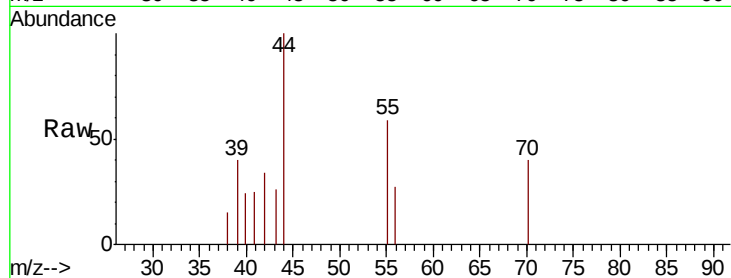
GW810-8.0-13.0-102419

Tot Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 743.6 58.9 88.3#



#16

Acetone

Concen: 6.936 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013232.D

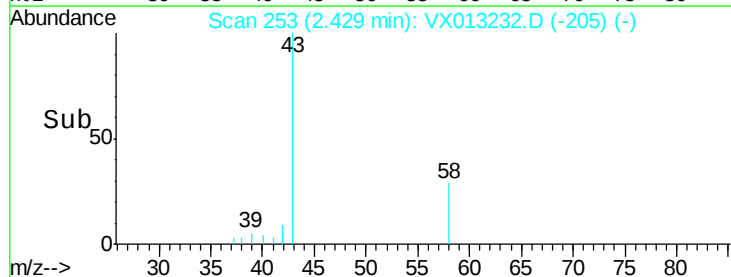
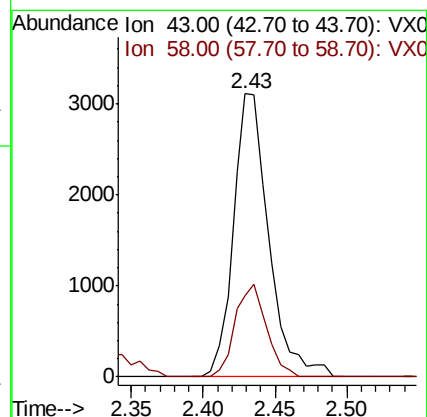
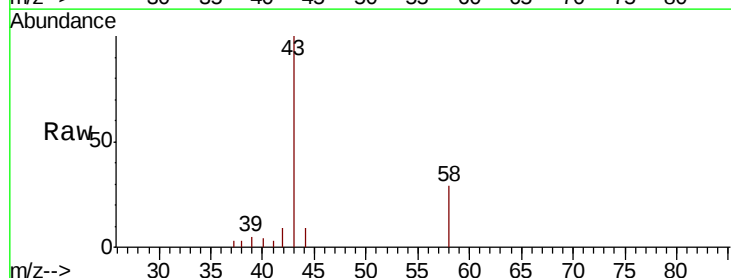
Acq: 25 Oct 2019 15:40

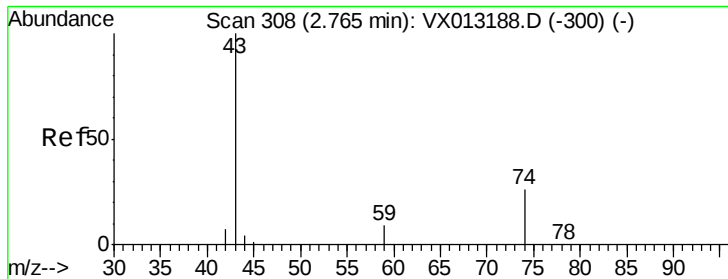
Tgt Ion: 43 Resp: 5335

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.6

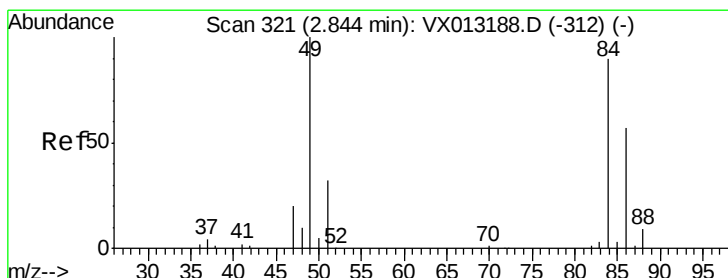
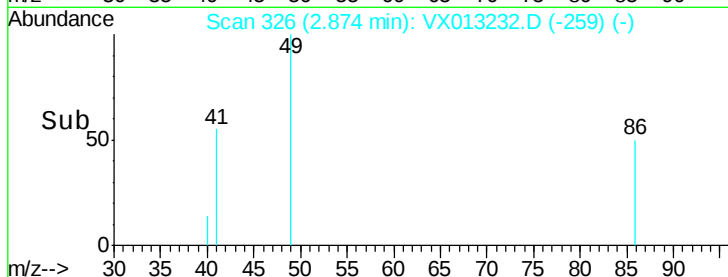
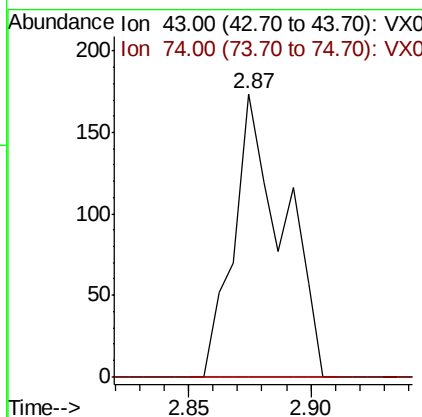
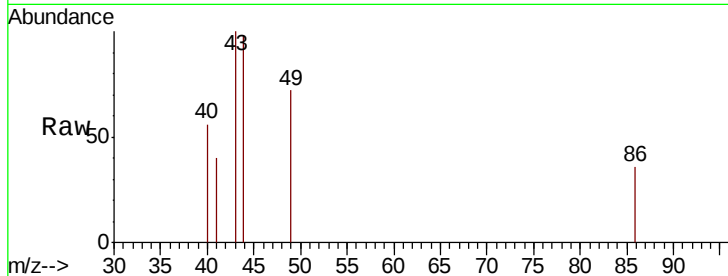




#18
Methyl Acetate
Concen: 1.111 ug/l
RT: 2.87 min Scan# 326
Delta R.T. 0.11 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

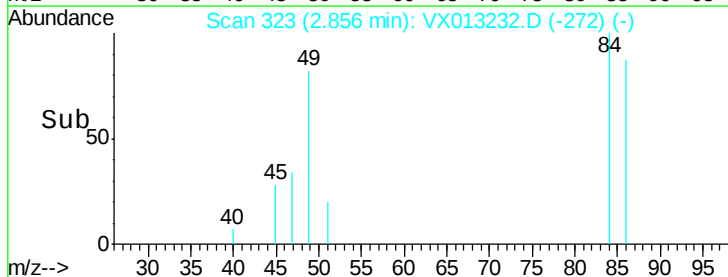
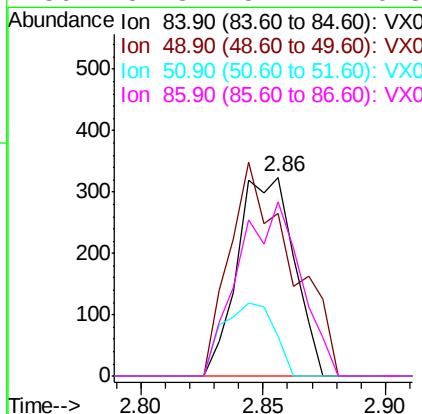
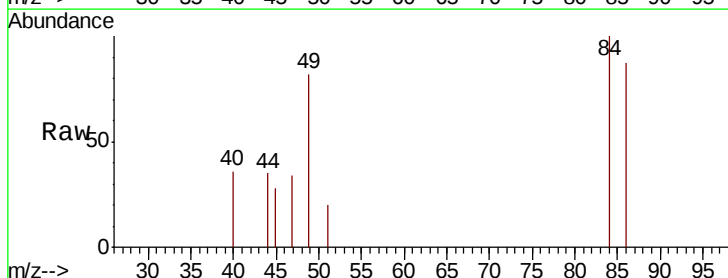
Instrument :
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GW810-8.0-13.0-102419

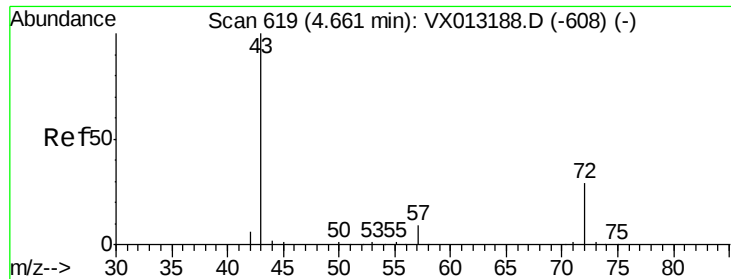
Tot Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.647 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 81.8 89.2 133.8#
51 20.4 28.8 43.2#
86 87.3 51.2 76.8#





#25

2-Butanone

Concen: 0.322 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

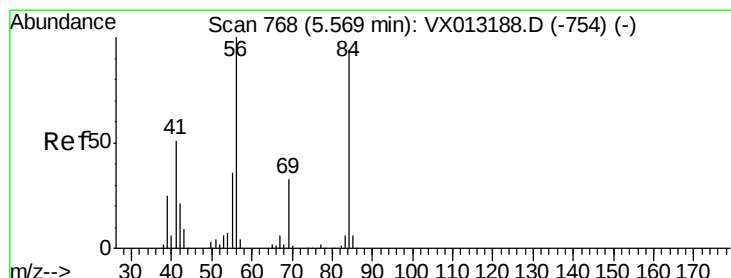
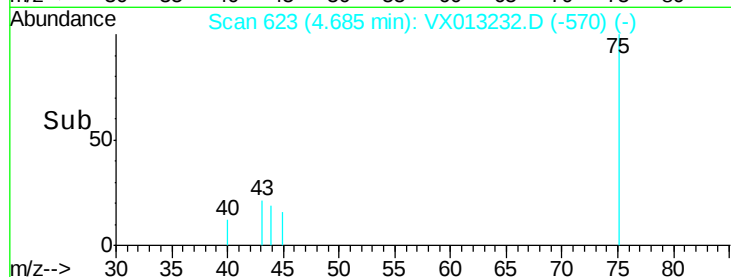
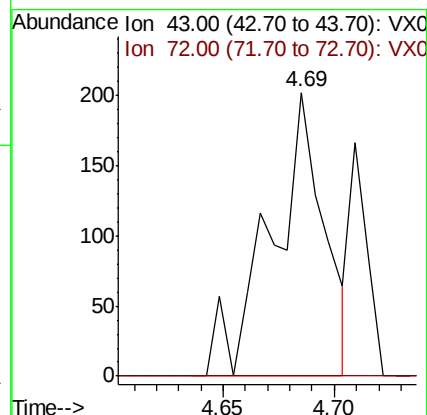
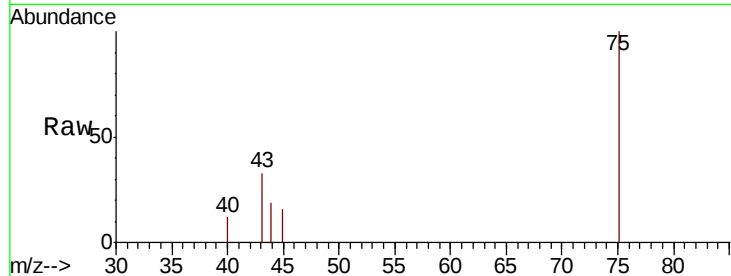
GW810-8.0-13.0-102419

Tot Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



#31

Cyclohexane

Concen: 0.776 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

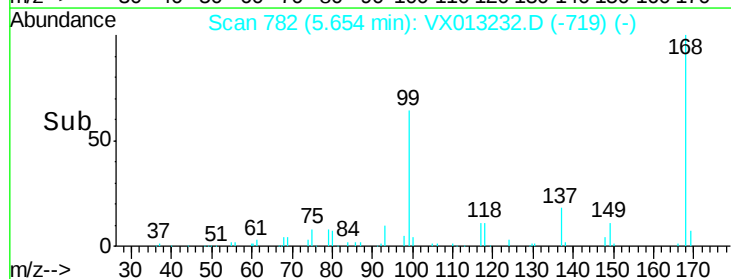
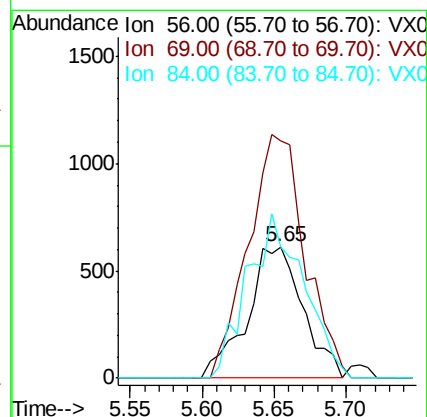
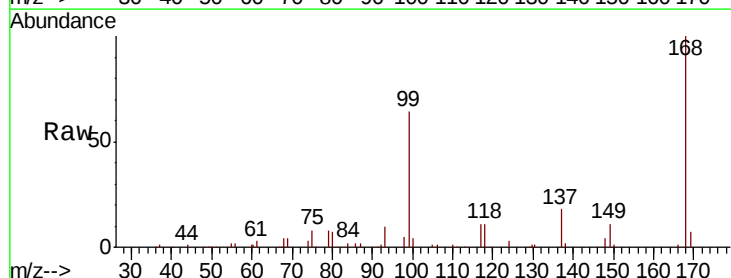
Tgt Ion: 56 Resp: 1638

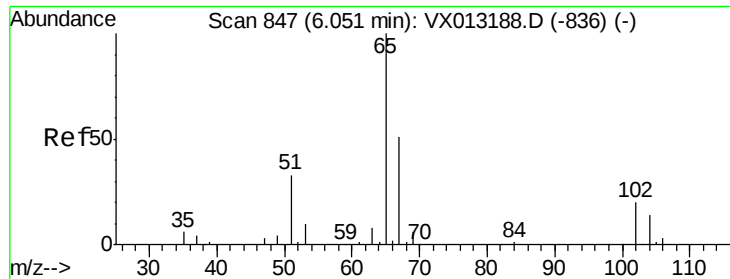
Ion Ratio Lower Upper

56 100

69 180.9 26.3 39.5#

84 99.3 73.8 110.6

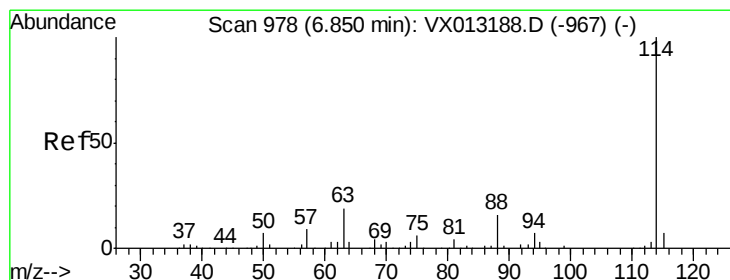
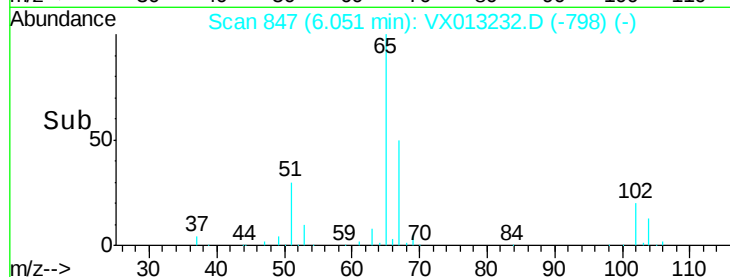
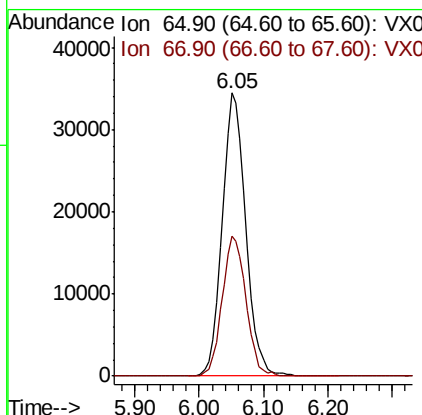
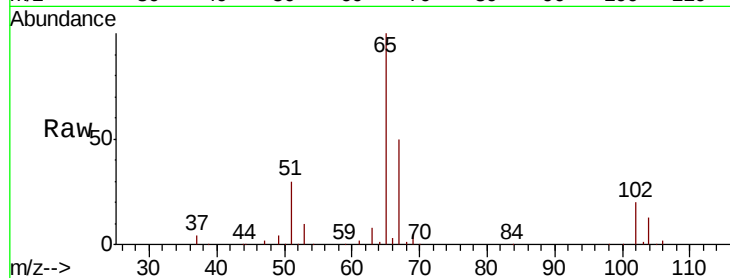




#33
 1,2-Dichloroethane-d4
 Concen: 54.467 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

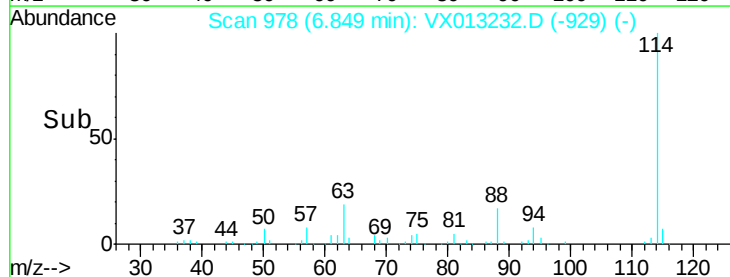
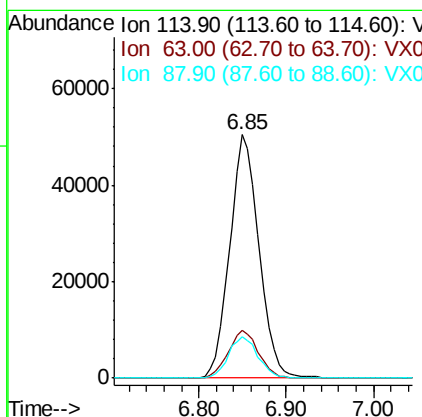
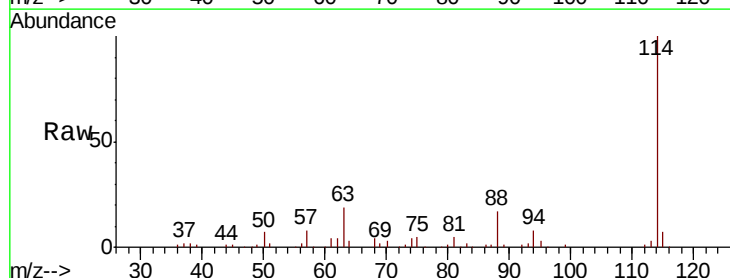
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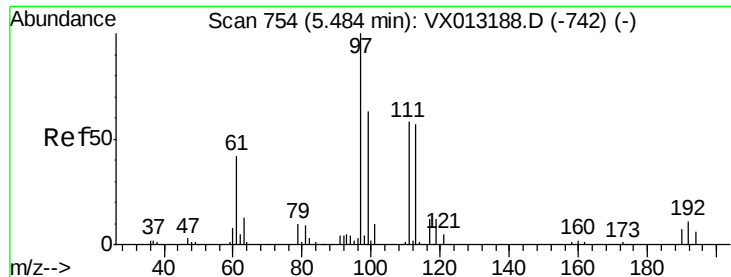
Tot Ion: 65 Resp: 88922
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

Tgt Ion: 114 Resp: 117822
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 17.1 0.0 32.0

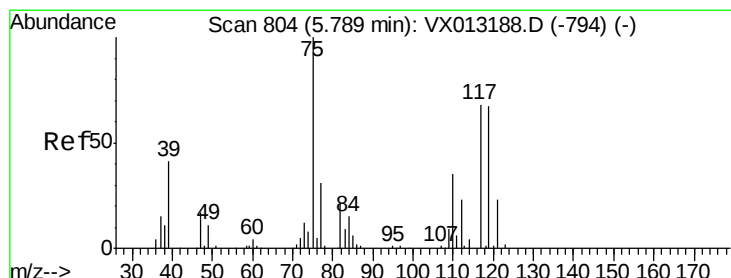
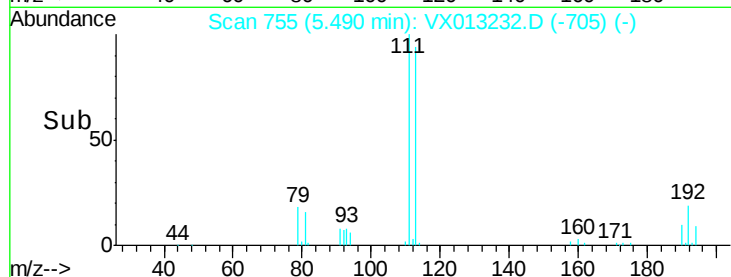
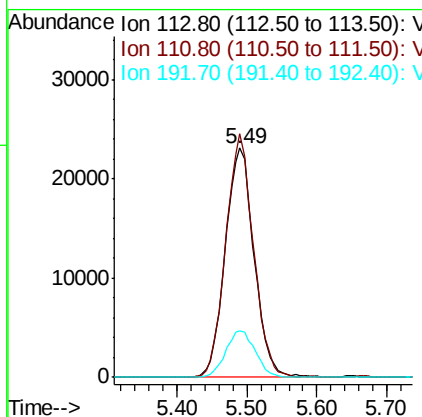
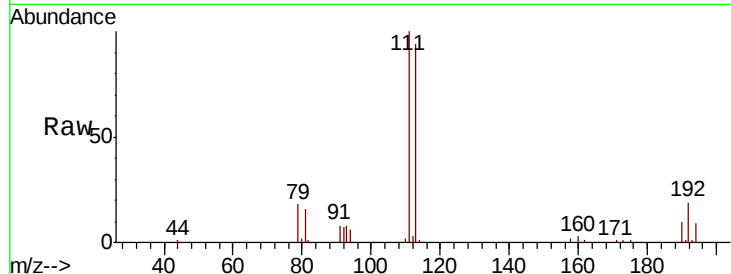




#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

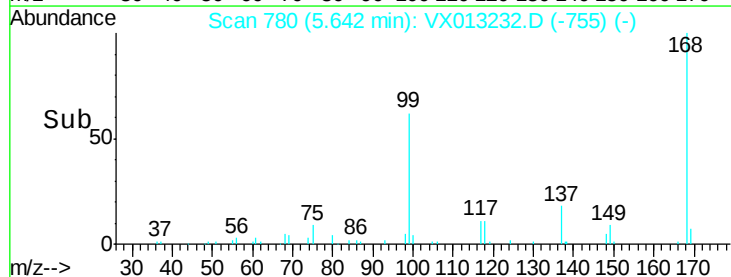
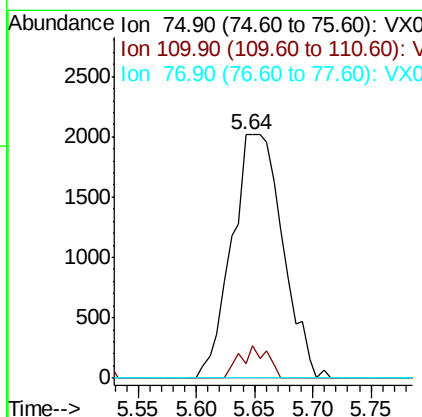
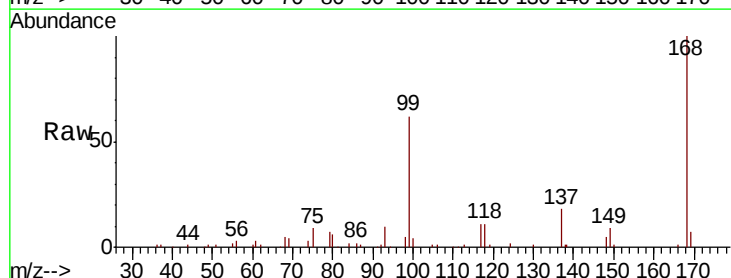
Instrument :
 MSVOA_X
 ClientSampleId :
 GW810-8.0-13.0-102419

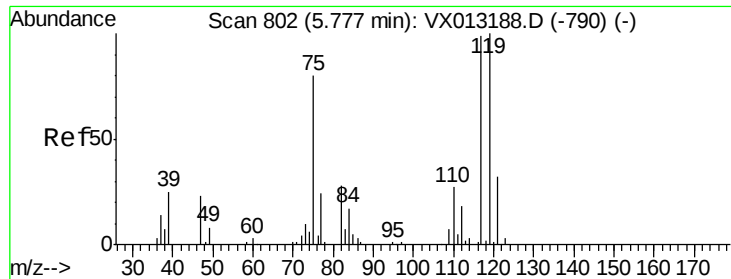
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.3	120.5
192	20.7	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 3.033 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013232.D
 Acq: 25 Oct 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.6	52.9#
77	0.0	24.7	37.1#

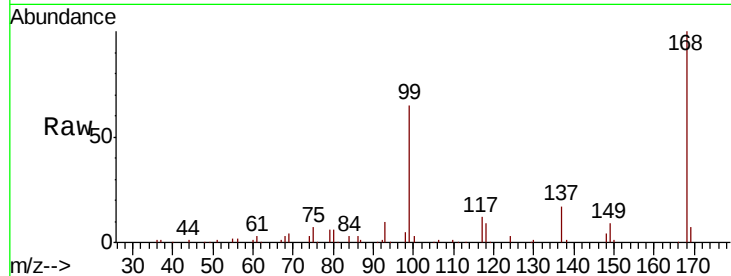




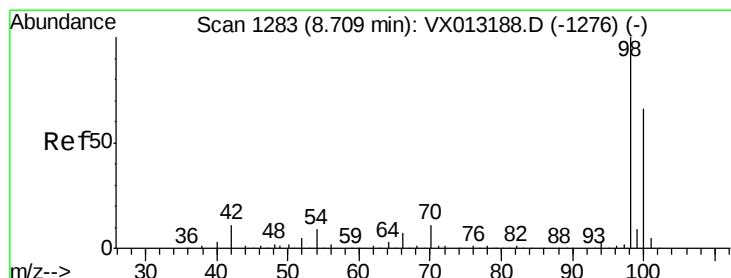
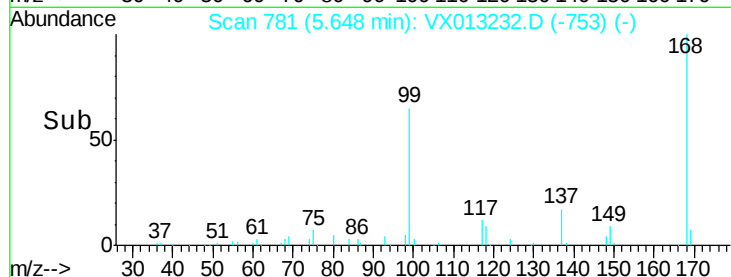
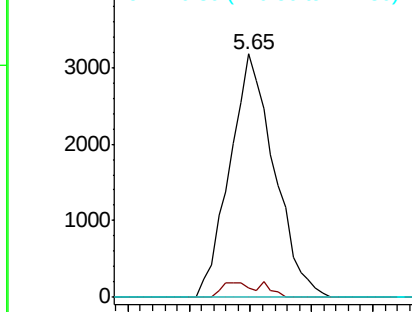
#38
Carbon Tetrachloride
Concen: 3.682 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
GW810-8.0-13.0-102419

Tot Ion:117 Resp: 8019
Ion Ratio Lower Upper
117 100
119 3.7 80.1 120.1#
121 0.0 25.5 38.3#

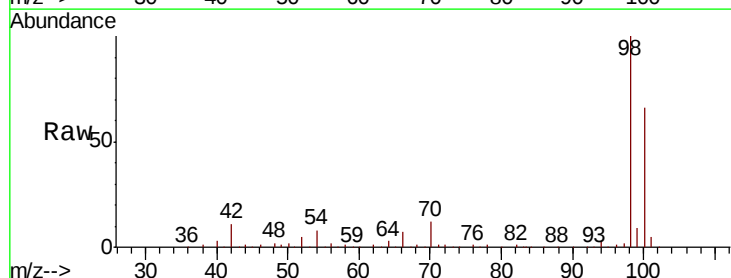


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

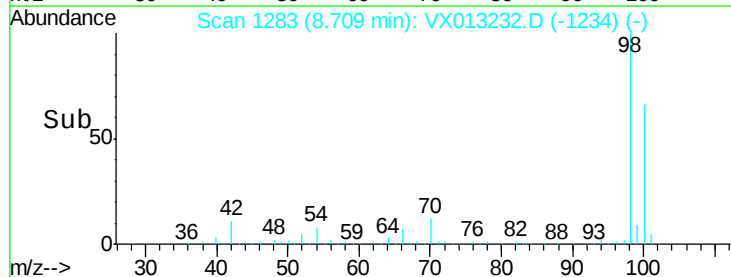
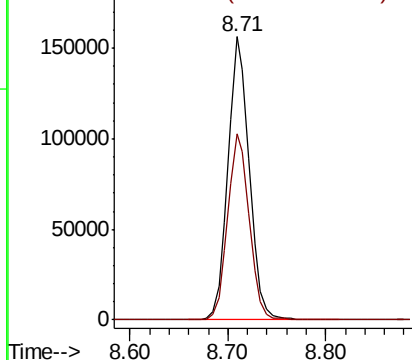


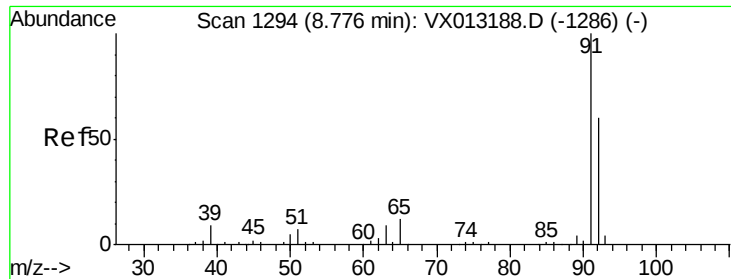
#50
Toluene-d8
Concen: 48.465 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013232.D
Acq: 25 Oct 2019 15:40

Tgt Ion: 98 Resp: 235980
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.481 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

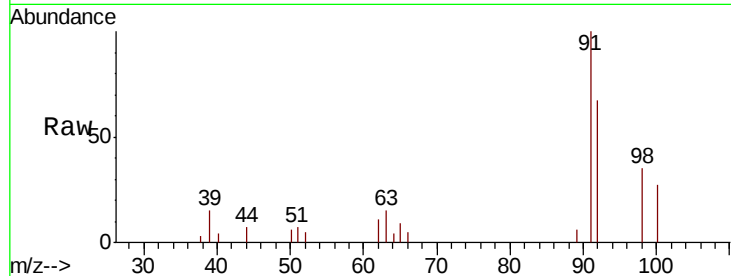
GW810-8.0-13.0-102419

Tot Ion: 92 Resp: 1886

Ion Ratio Lower Upper

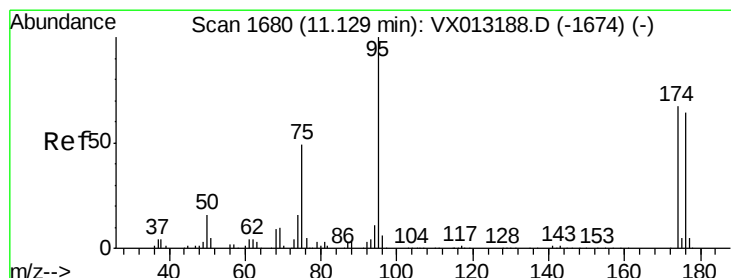
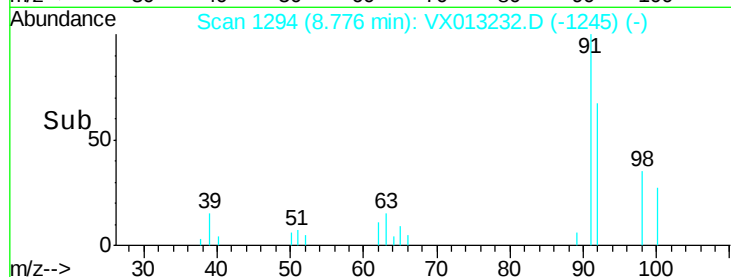
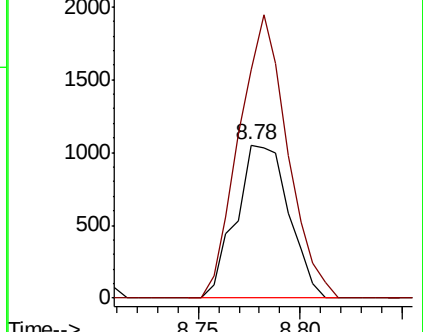
92 100

91 170.7 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.826 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

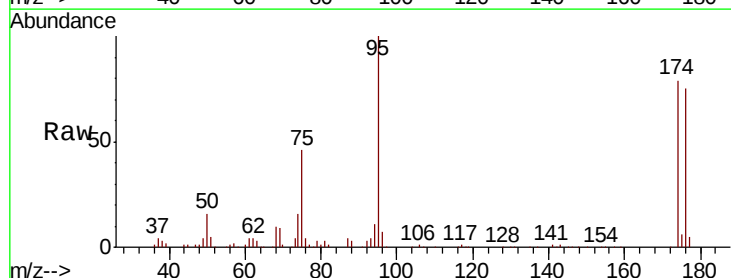
Tgt Ion: 95 Resp: 84461

Ion Ratio Lower Upper

95 100

174 77.3 0.0 152.4

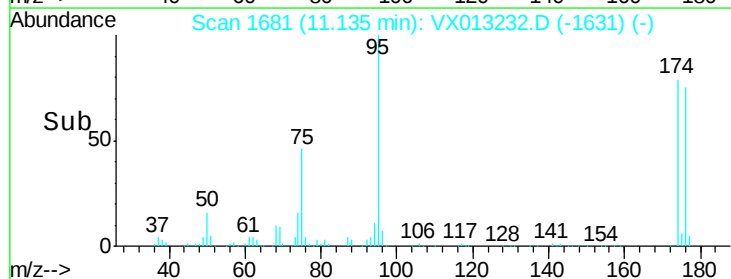
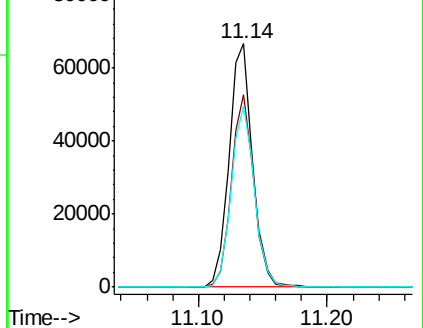
176 74.3 0.0 146.0

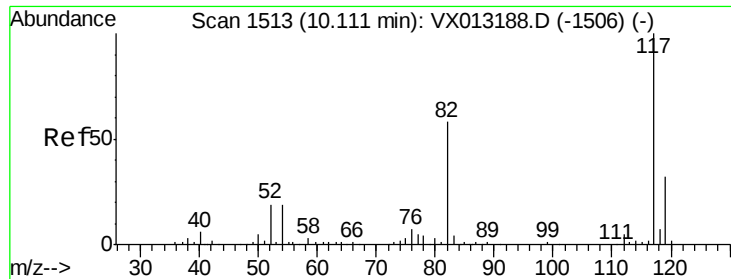


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

GW810-8.0-13.0-102419

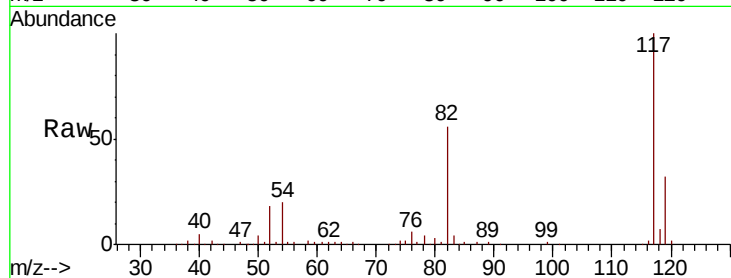
Tot Ion:117 Resp: 117781

Ion Ratio Lower Upper

117 100

82 55.6 46.5 69.7

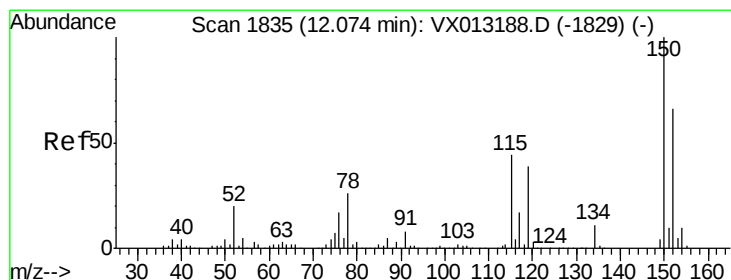
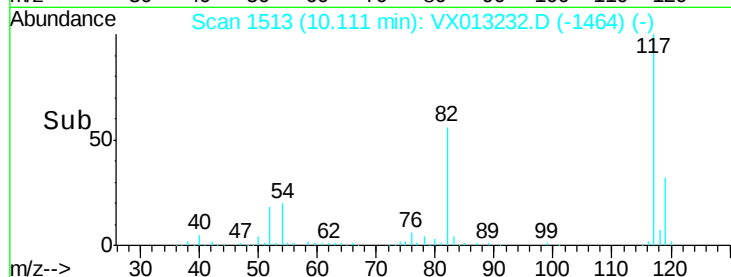
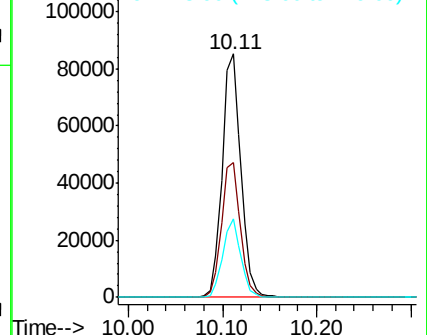
119 32.4 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

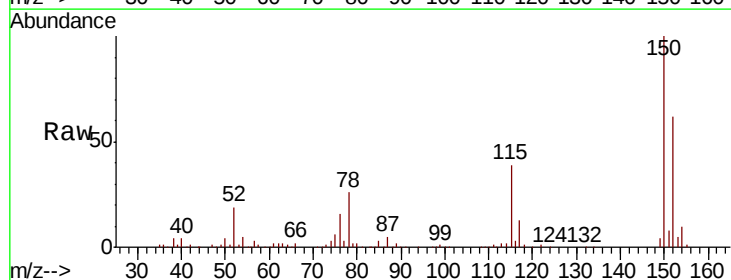
Tgt Ion:152 Resp: 70356

Ion Ratio Lower Upper

152 100

115 62.9 46.6 139.8

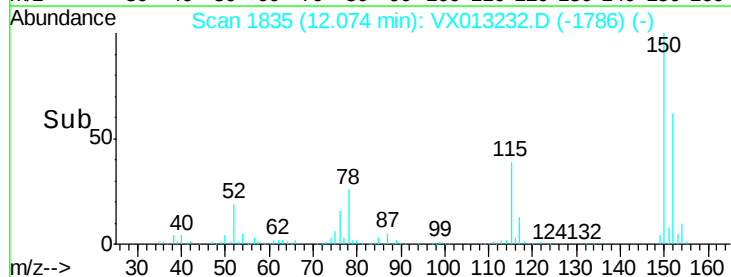
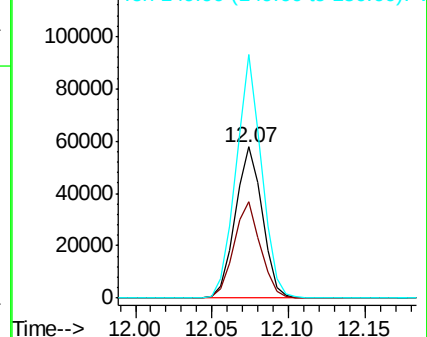
150 153.6 0.0 354.0

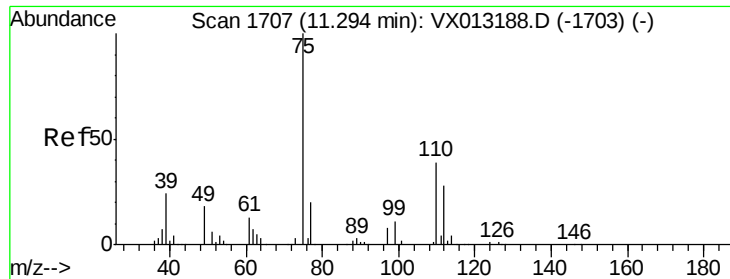


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.455 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

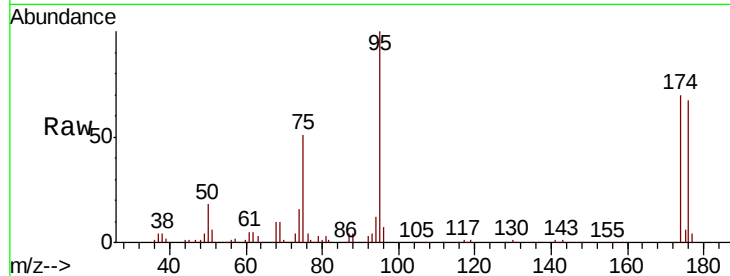
GW810-8.0-13.0-102419

Tot Ion: 75 Resp: 41469

Ion Ratio Lower Upper

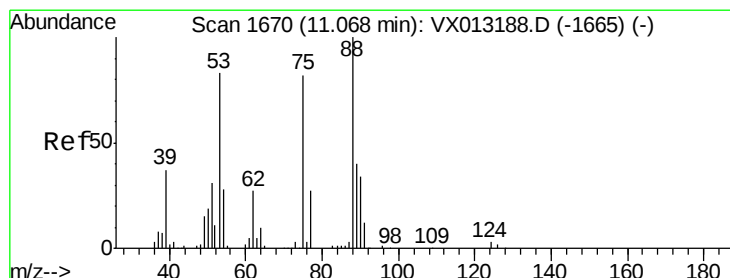
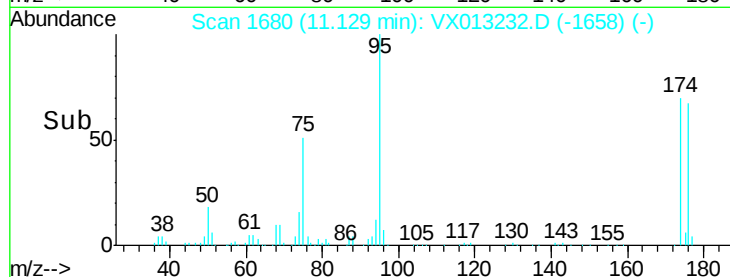
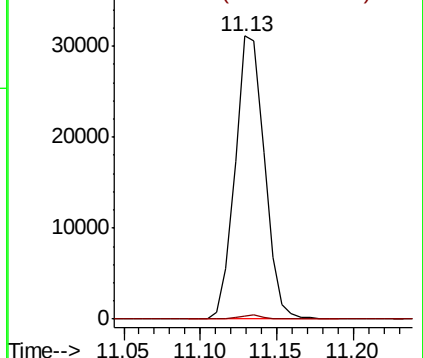
75 100

77 1.4 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.202 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013232.D

Acq: 25 Oct 2019 15:40

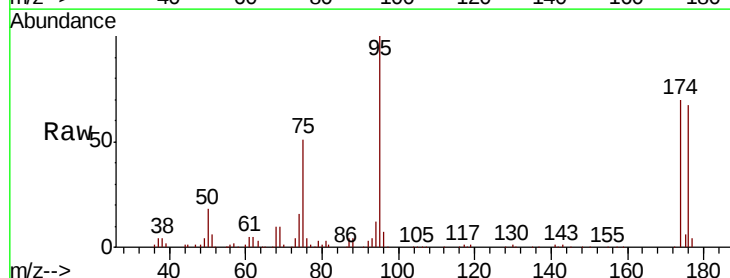
Tgt Ion: 75 Resp: 41469

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

