

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013236.D
 Acq On : 25 Oct 2019 17:13
 Operator : JC/SP
 Sample : K5546-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-20.0-25.0-102419

Quant Time: Oct 25 23:06:40 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	74526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	107211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	62535	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	80336	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
35) Dibromofluoromethane	5.49	113	60427	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	214557	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	76735	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

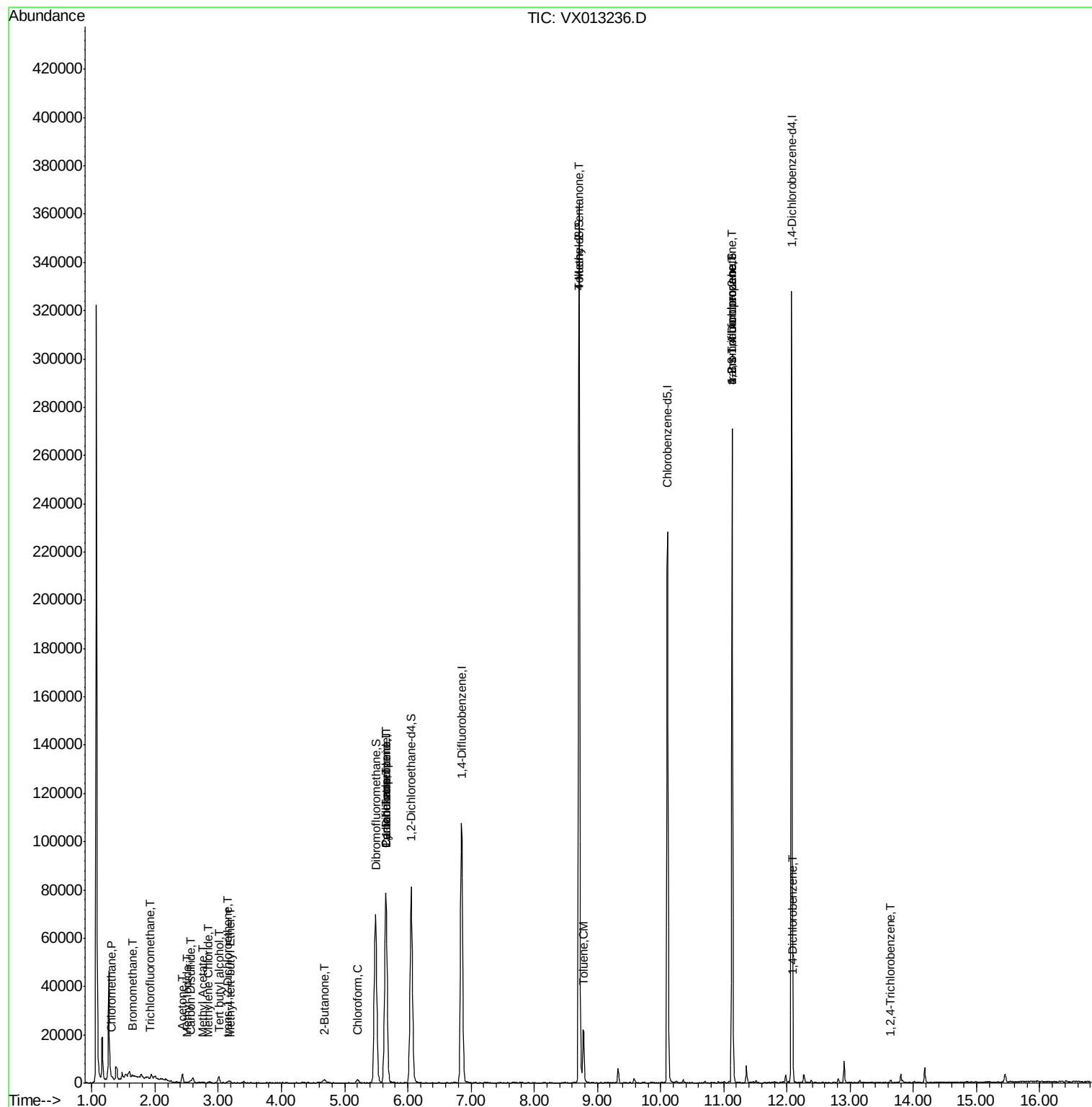
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	302	1.216	ug/l	92
5) Bromomethane	1.64	94	228	0.318	ug/l	83
6) Chloroethane	1.71	64	136	Below Cal	#	72
7) Trichlorofluoromethane	1.92	101	145	0.366	ug/l #	52
10) Methyl Iodide	2.51	142	390	3.758	ug/l #	90
11) Tert butyl alcohol	3.01	59	1589	3.652	ug/l #	72
16) Acetone	2.44	43	3722	5.068	ug/l #	83
17) Carbon Disulfide	2.56	76	1371	0.402	ug/l #	90
18) Methyl Acetate	2.75	43	74	1.014	ug/l #	49
19) Methyl tert-butyl Ether	3.19	73	965	0.216	ug/l	97
20) Methylene Chloride	2.84	84	316	0.517	ug/l #	65
21) trans-1,2-Dichloroethene	3.15	96	163	0.598	ug/l #	57
25) 2-Butanone	4.68	43	793	0.805	ug/l #	52
30) Chloroform	5.21	83	1743	0.681	ug/l #	83
31) Cyclohexane	5.65	56	1591	0.789	ug/l #	26
36) 1,1-Dichloropropene	5.65	75	5764	3.099	ug/l #	46
38) Carbon Tetrachloride	5.65	117	7840	3.906	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	928	0.507	ug/l #	1
52) Toluene	8.78	92	8489	2.348	ug/l	99
64) Tetrachloroethene	9.34	164	138	Below Cal	#	45
76) 1,2,3-Trichloropropane	11.13	75	39345	26.105	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	39345	71.734	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	515	0.206	ug/l #	58
93) 1,2,4-Trichlorobenzene	13.63	180	434	0.285	ug/l #	85

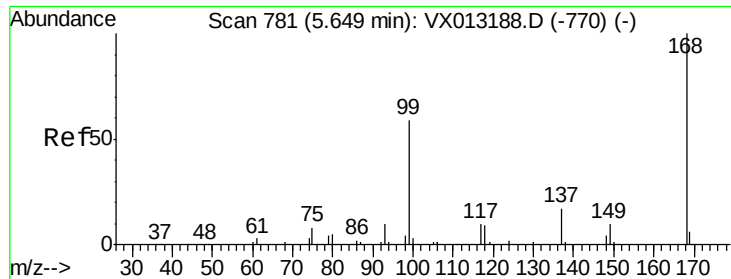
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 25 23:06:40 2019
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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

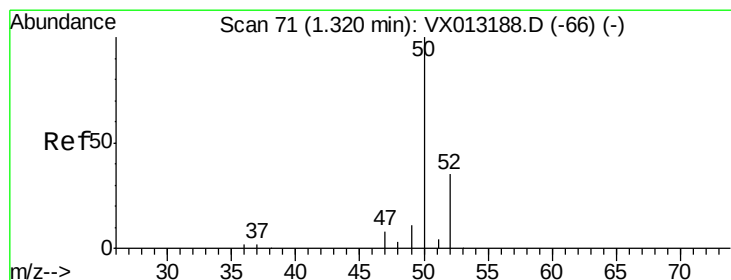
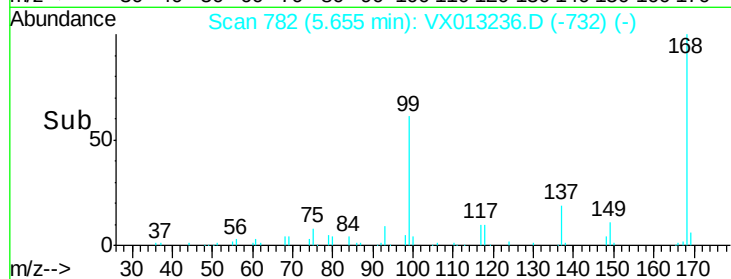
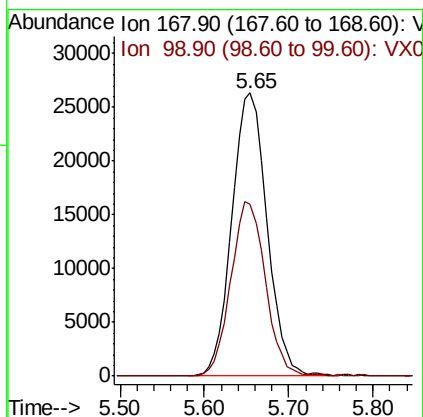
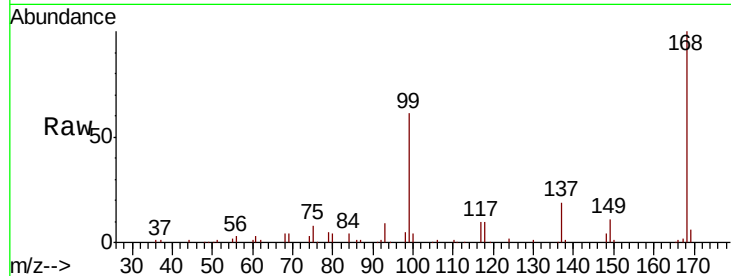




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

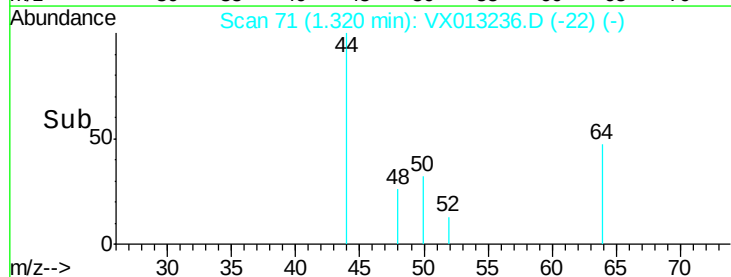
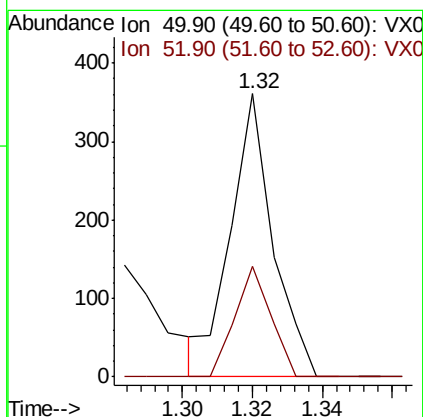
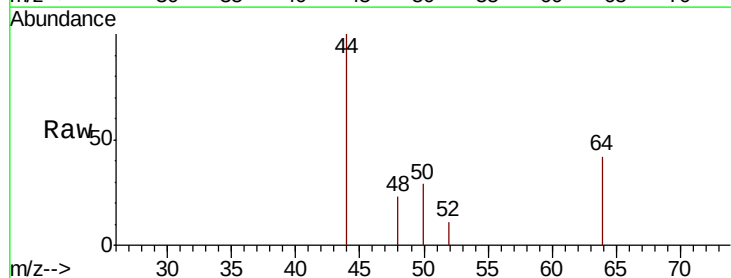
Instrument :
MSVOA_X
ClientSampleId :
GW809-20.0-25.0-102419

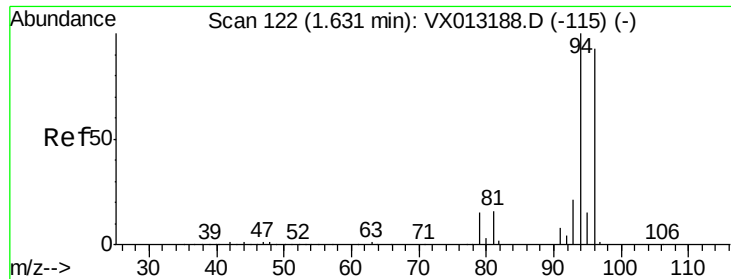
Tot Ion:168 Resp: 74526
Ion Ratio Lower Upper
168 100
99 60.7 47.0 70.4



#3
Chloromethane
Concen: 1.216 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 39.1 27.8 41.6





#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

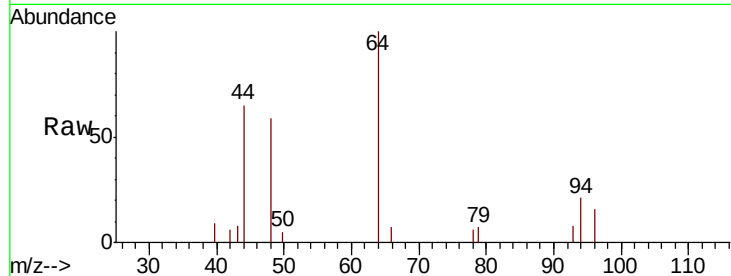
GW809-20.0-25.0-102419

Tot Ion: 94 Resp: 228

Ion Ratio Lower Upper

94 100

96 76.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

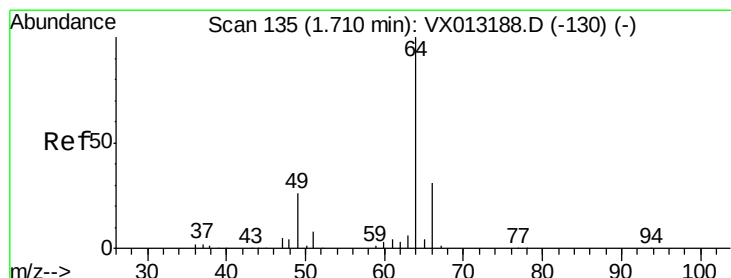
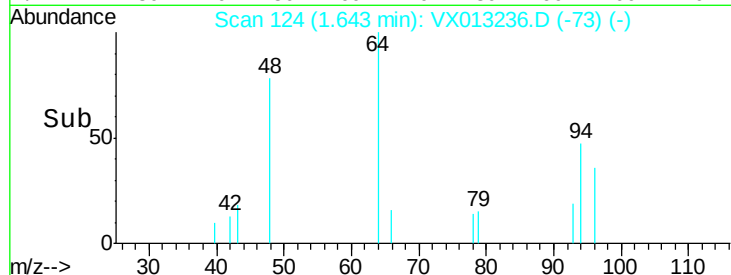
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013236.D

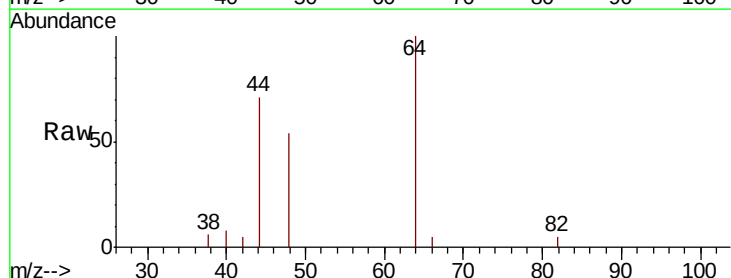
Acq: 25 Oct 2019 17:13

Tgt Ion: 64 Resp: 136

Ion Ratio Lower Upper

64 100

66 15.8 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1200

1000

800

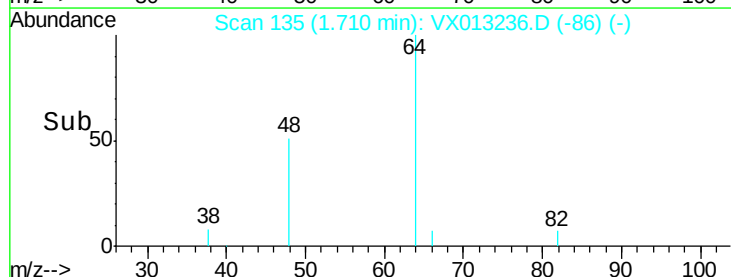
600

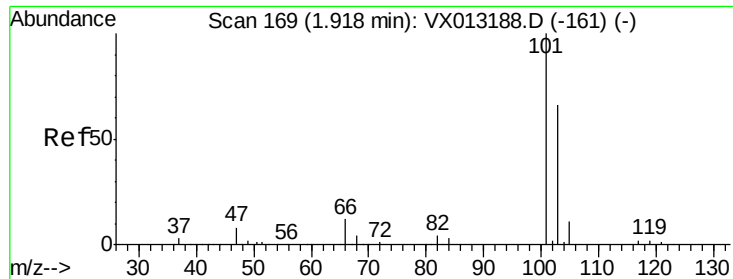
400

200

0

Time-->



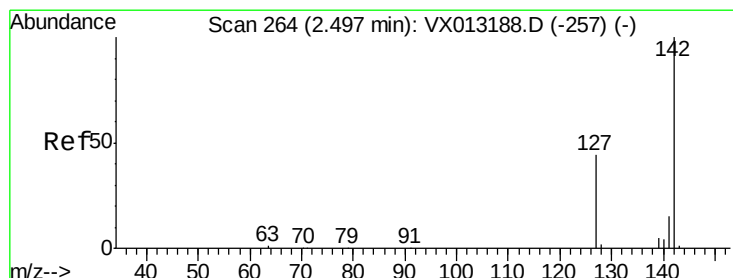
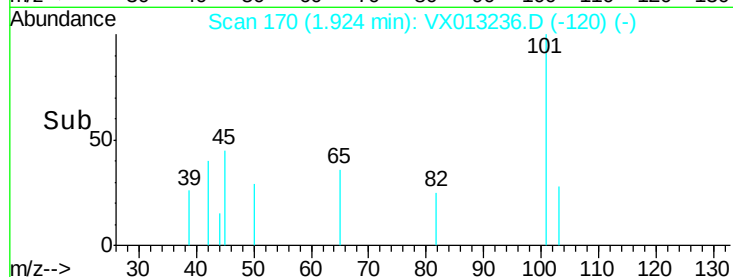
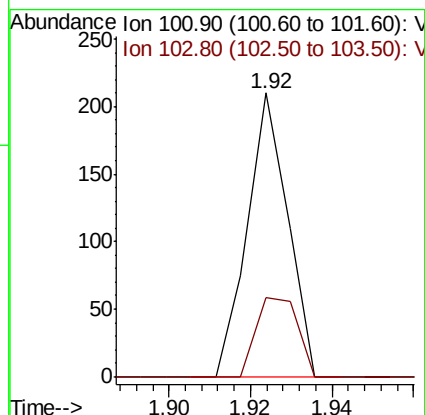
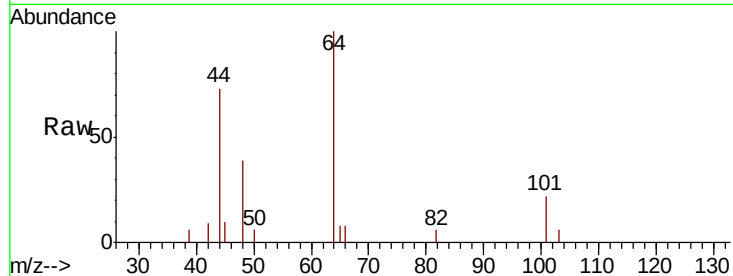


#7

Trichlorofluoromethane
Concen: 0.366 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
GW809-20.0-25.0-102419

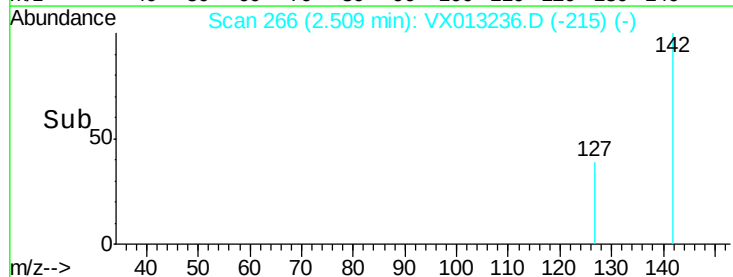
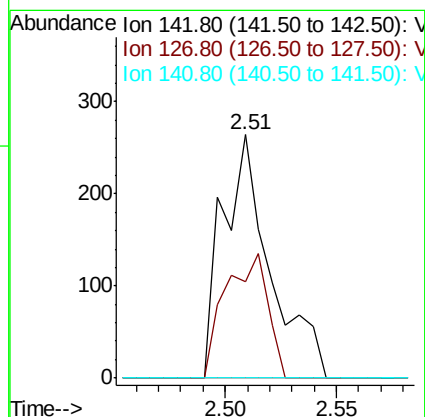
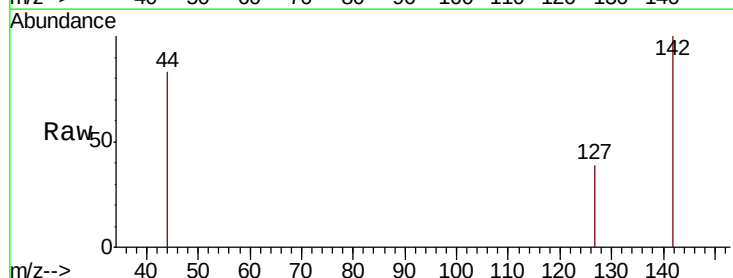
Tot Ion:101 Resp: 145
Ion Ratio Lower Upper
101 100
103 28.1 53.0 79.6#

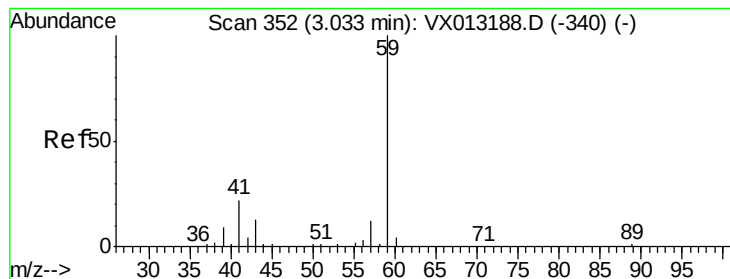


#10

Methyl Iodide
Concen: 3.758 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion:142 Resp: 390
Ion Ratio Lower Upper
142 100
127 45.6 35.6 53.4
141 0.0 11.6 17.4#



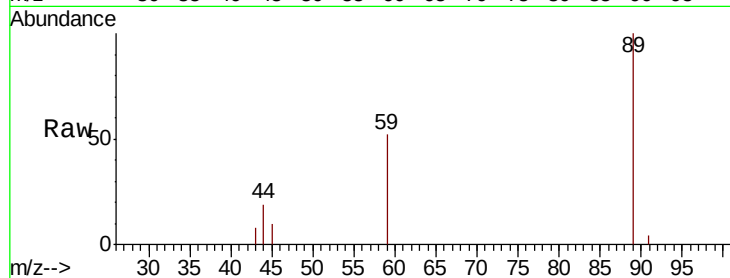


#11

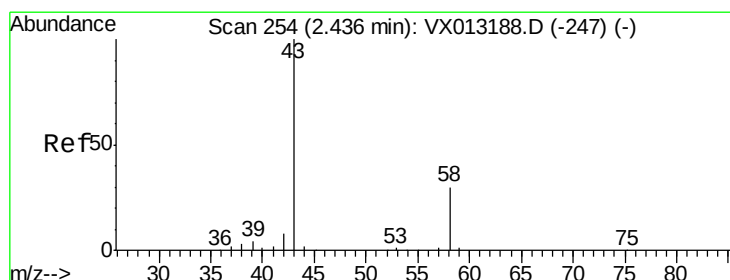
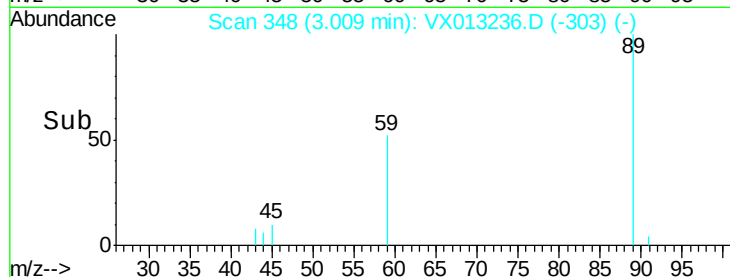
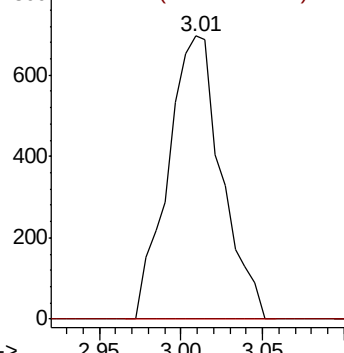
Tert butyl alcohol
 Concen: 3.652 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013236.D
 Acq: 25 Oct 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-20.0-25.0-102419

Tot Ion: 59 Resp: 1589
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



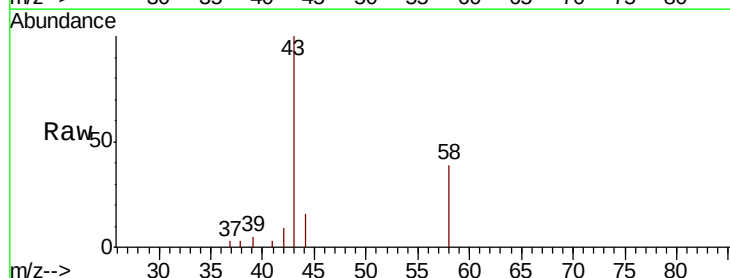
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



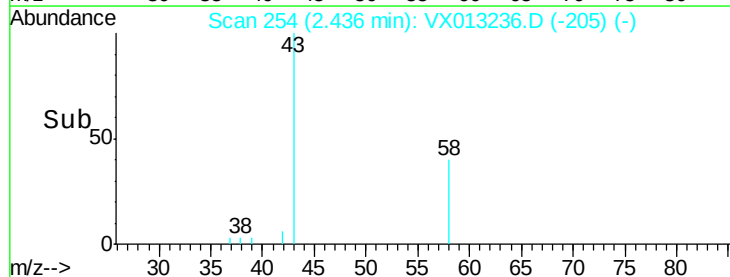
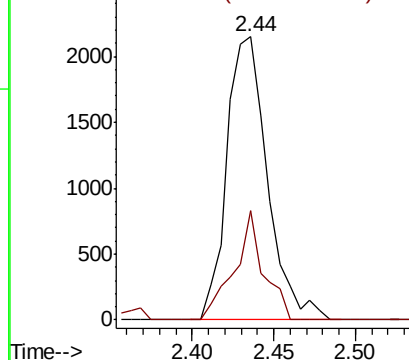
#16

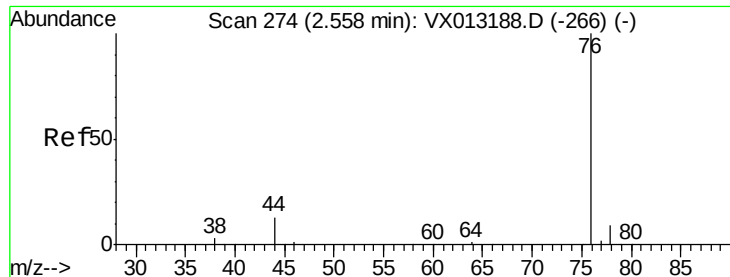
Acetone
 Concen: 5.068 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX013236.D
 Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 3722
 Ion Ratio Lower Upper
 43 100
 58 38.7 23.8 35.6#



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





#17

Carbon Disulfide

Concen: 0.402 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

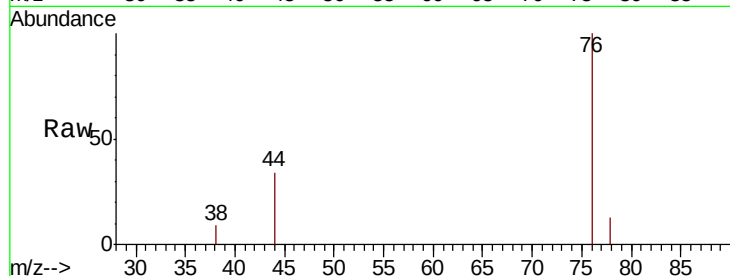
GW809-20.0-25.0-102419

Tot Ion: 76 Resp: 1371

Ion Ratio Lower Upper

76 100

78 13.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

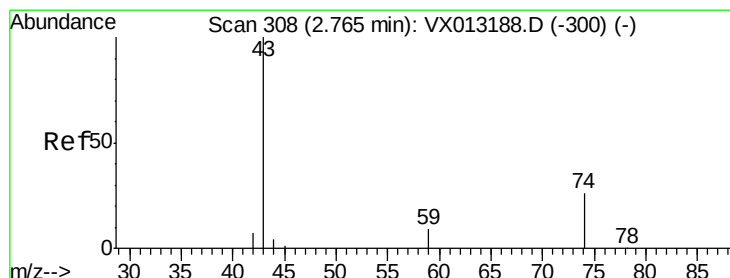
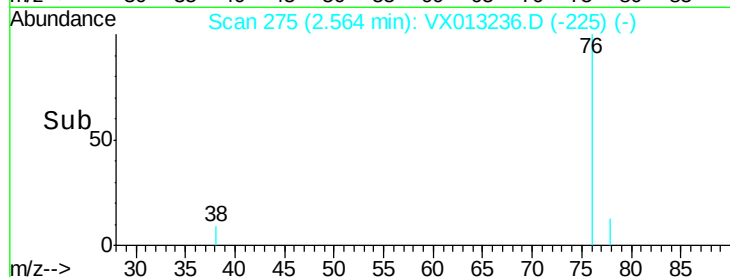
600

400

200

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 1.014 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX013236.D

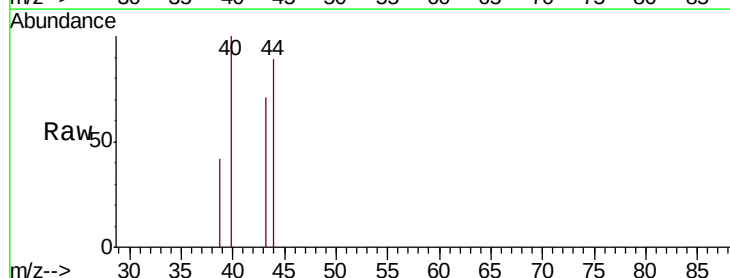
Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

100

80

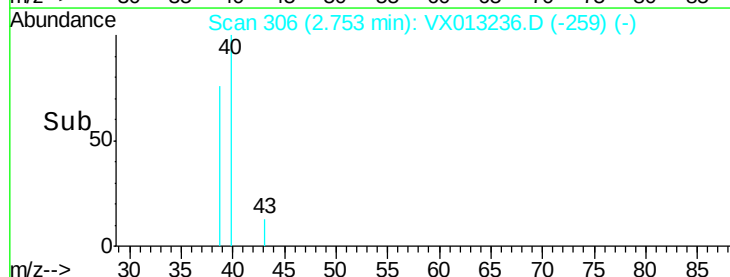
60

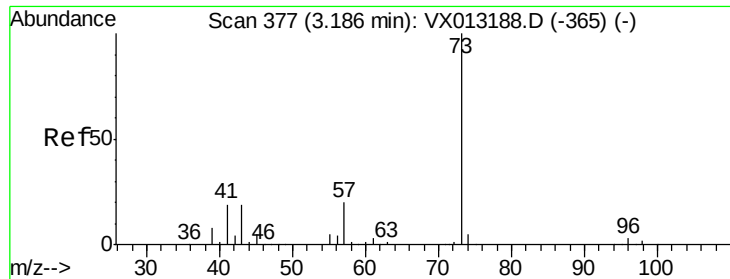
40

20

0

Time--> 2.72 2.74 2.76 2.78

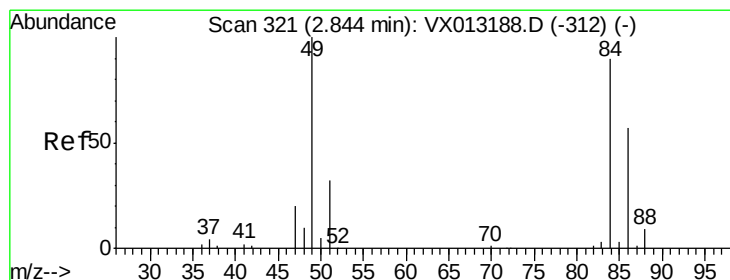
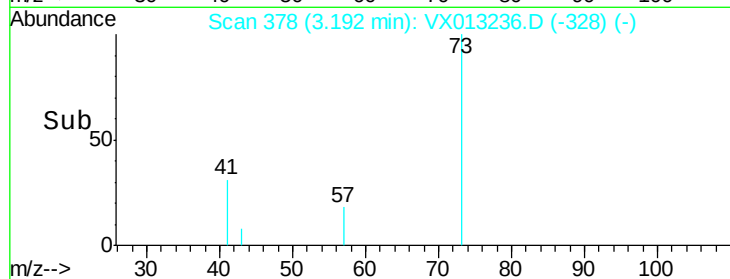
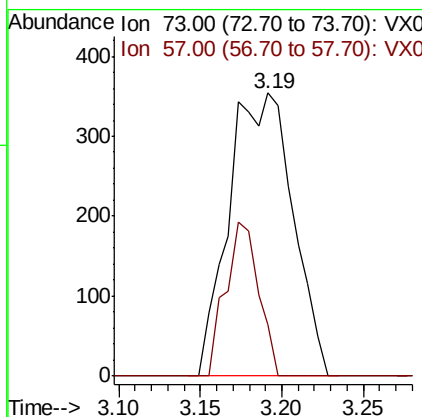
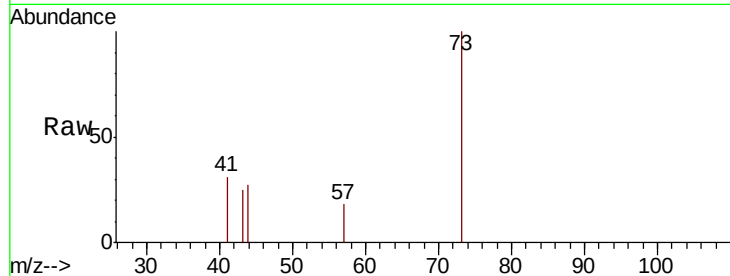




#19
Methyl tert-butyl Ether
Concen: 0.216 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

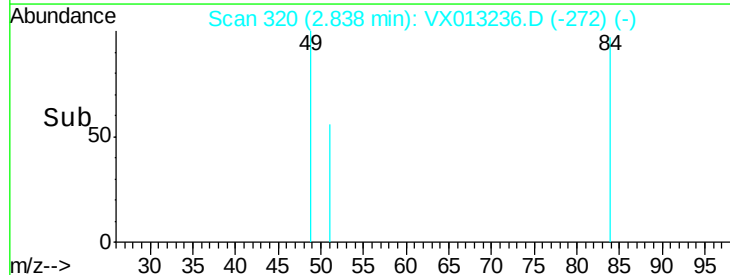
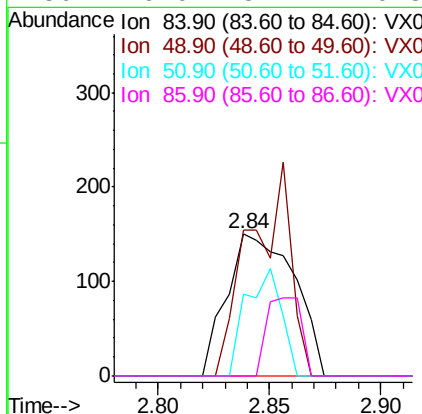
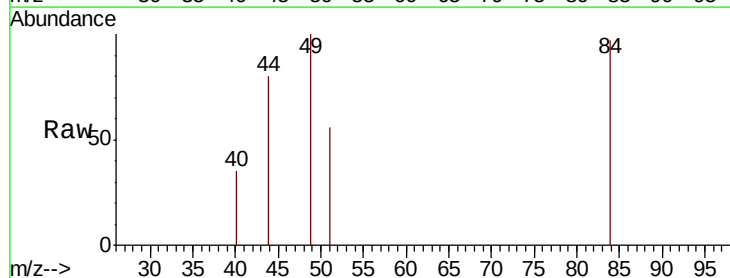
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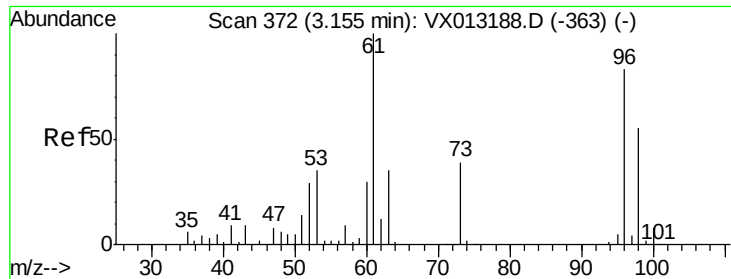
Tot Ion: 73 Resp: 965
Ion Ratio Lower Upper
73 100
57 18.4 15.8 23.8



#20
Methylene Chloride
Concen: 0.517 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 84 Resp: 316
Ion Ratio Lower Upper
84 100
49 102.6 89.2 133.8
51 57.6 28.8 43.2#
86 0.0 51.2 76.8#





#21

trans-1,2-Dichloroethene

Concen: 0.598 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

GW809-20.0-25.0-102419

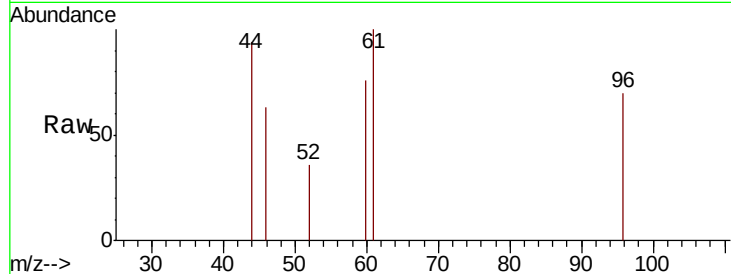
Tot Ion: 96 Resp: 163

Ion Ratio Lower Upper

96 100

61 143.9 96.9 145.3

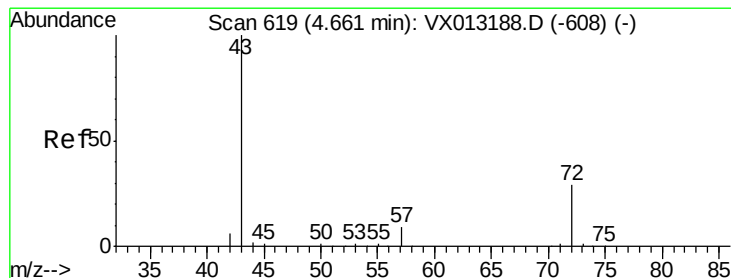
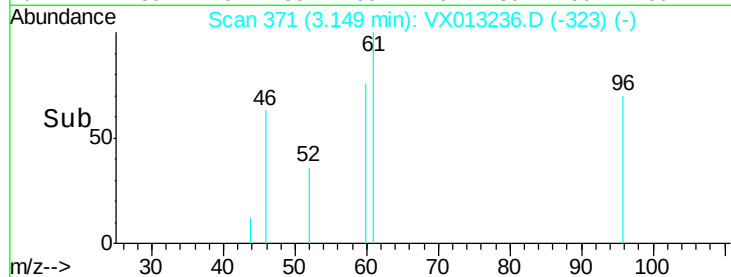
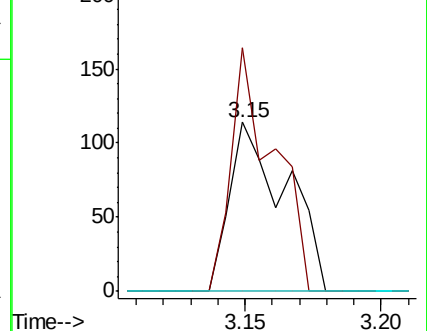
98 0.0 53.0 79.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.805 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013236.D

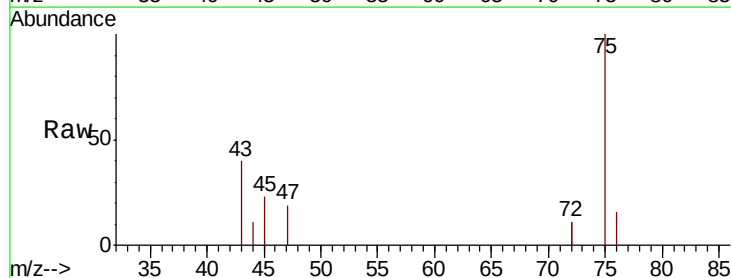
Acq: 25 Oct 2019 17:13

Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

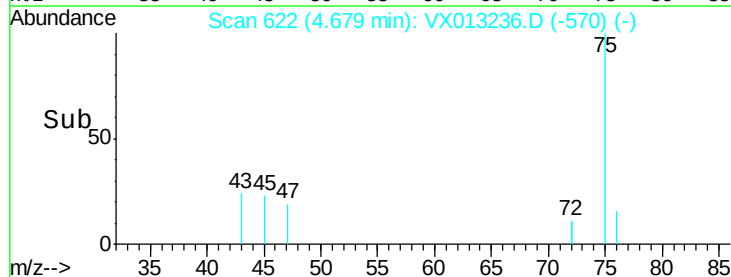
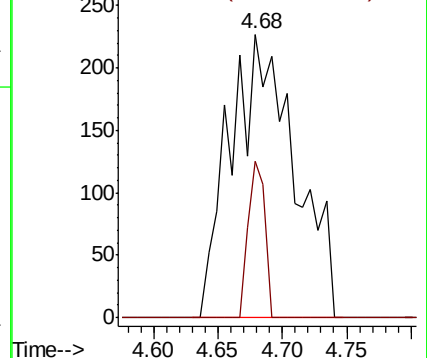
43 100

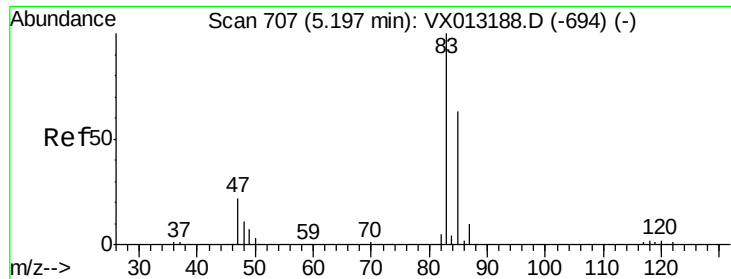
72 55.1 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

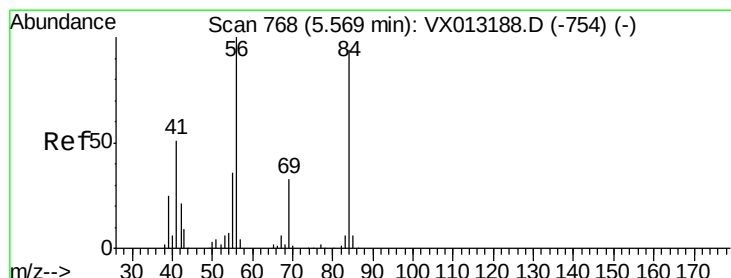
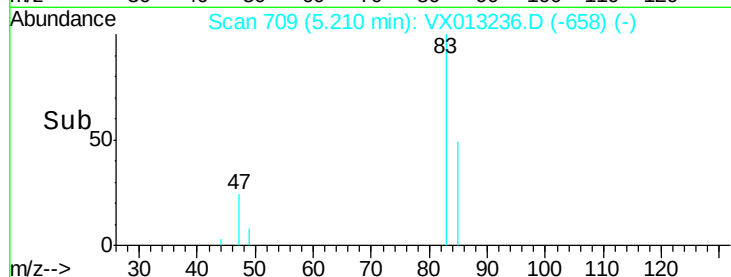
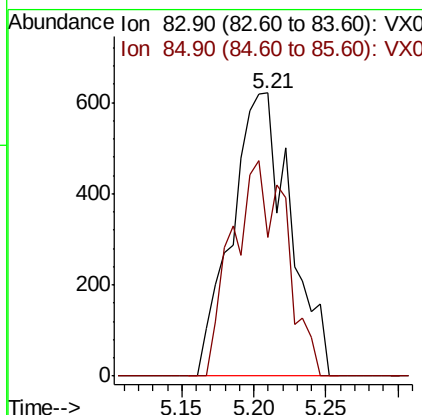
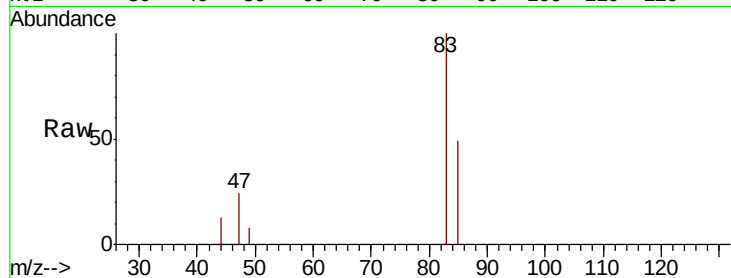




#30
Chloroform
Concen: 0.681 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

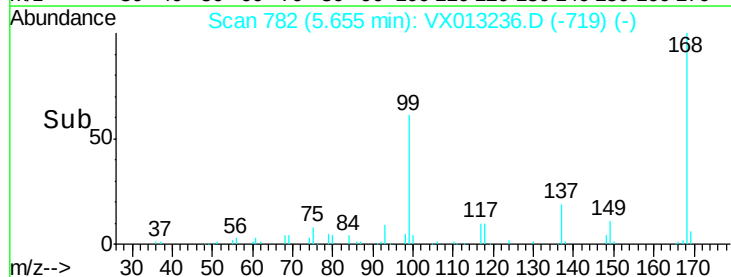
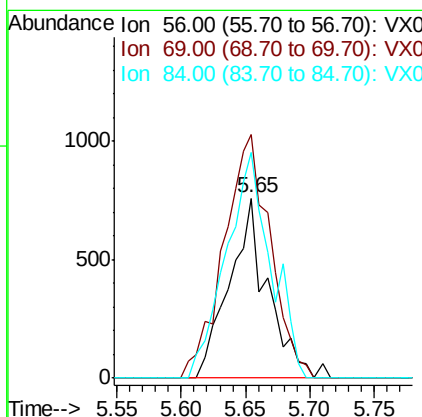
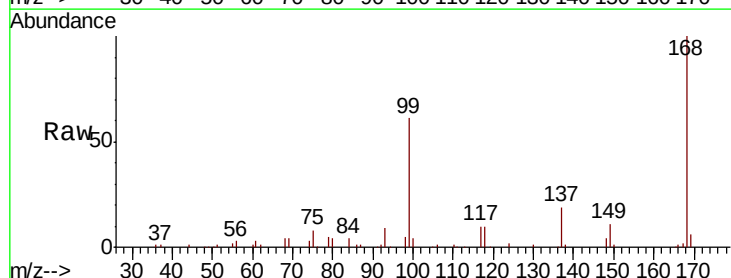
Instrument :
MSVOA_X
ClientSampleId :
GW809-20.0-25.0-102419

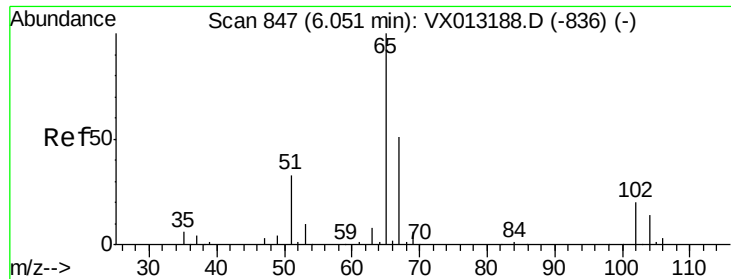
Tot Ion: 83 Resp: 1743
Ion Ratio Lower Upper
83 100
85 49.1 50.1 75.1#



#31
Cyclohexane
Concen: 0.789 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 56 Resp: 1591
Ion Ratio Lower Upper
56 100
69 135.4 26.3 39.5#
84 125.8 73.8 110.6#

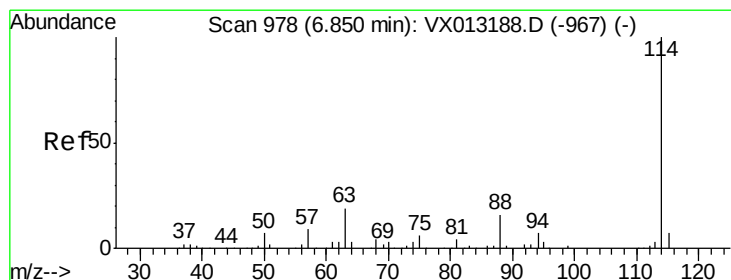
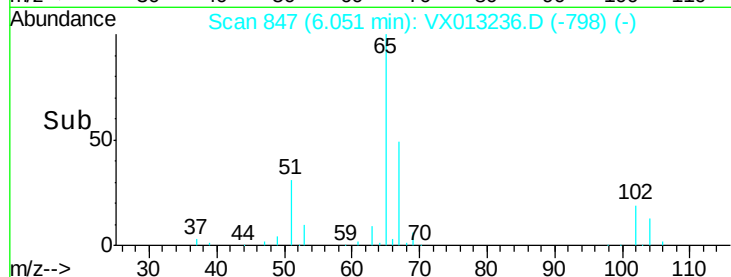
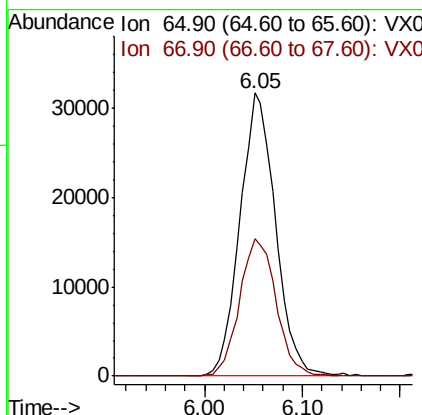
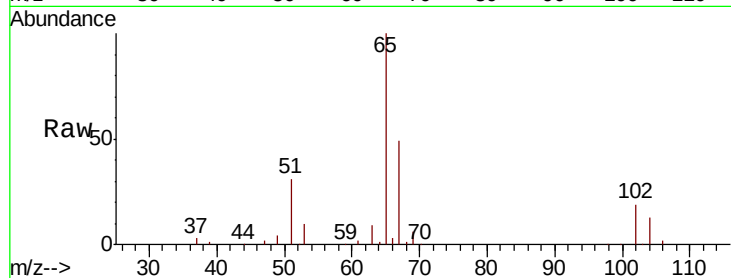




#33
 1,2-Dichloroethane-d4
 Concen: 51.539 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013236.D
 Acq: 25 Oct 2019 17:13

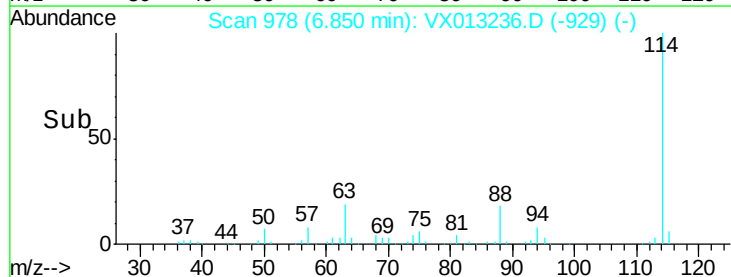
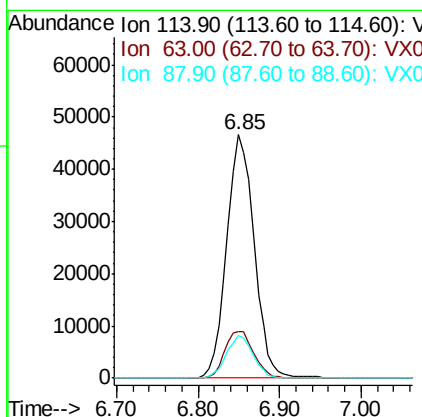
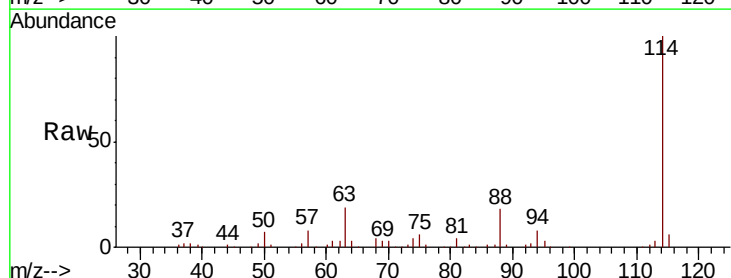
Instrument :
 MSVOA_X
 ClientSampleId :
 GW809-20.0-25.0-102419

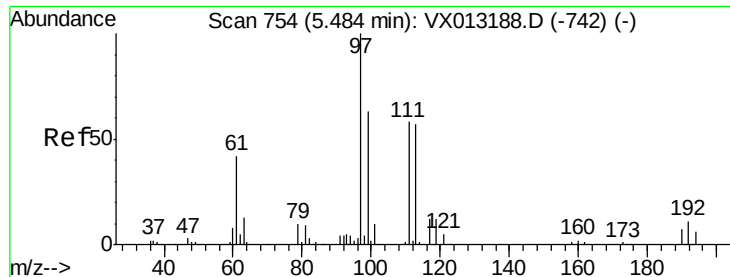
Tot Ion: 65 Resp: 80336
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013236.D
 Acq: 25 Oct 2019 17:13

Tgt Ion: 114 Resp: 108590
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 17.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.901 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

GW809-20.0-25.0-102419

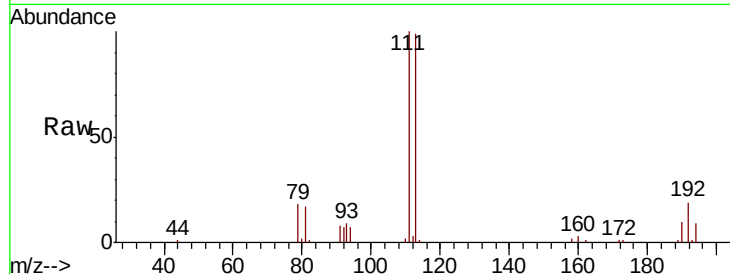
Tot Ion:113 Resp: 60427

Ion Ratio Lower Upper

113 100

111 102.9 80.3 120.5

192 20.8 15.9 23.9

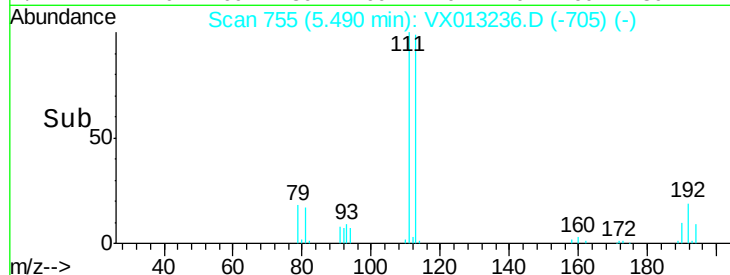


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

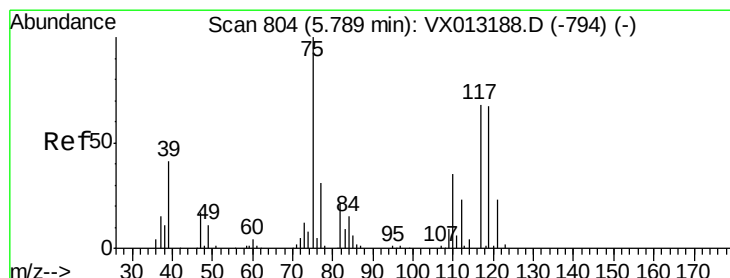
Ion 191.70 (191.40 to 192.40): V

Time-->



5.49

Time-->



#36

1,1-Dichloropropene

Concen: 3.099 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

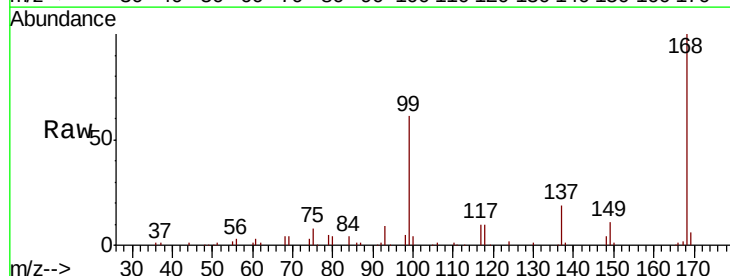
Tgt Ion: 75 Resp: 5764

Ion Ratio Lower Upper

75 100

110 4.7 17.6 52.9#

77 0.0 24.7 37.1#

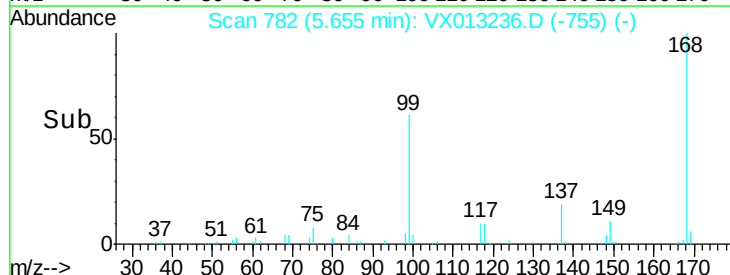


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

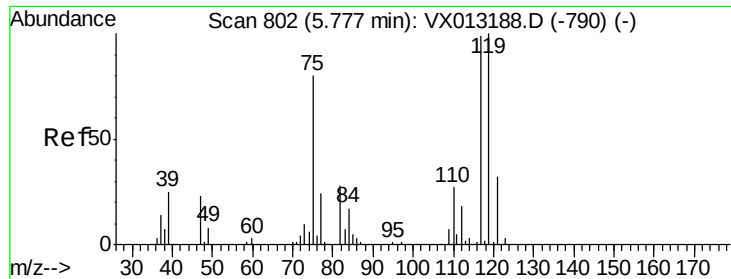
Ion 76.90 (76.60 to 77.60): VX0

Time-->



5.65

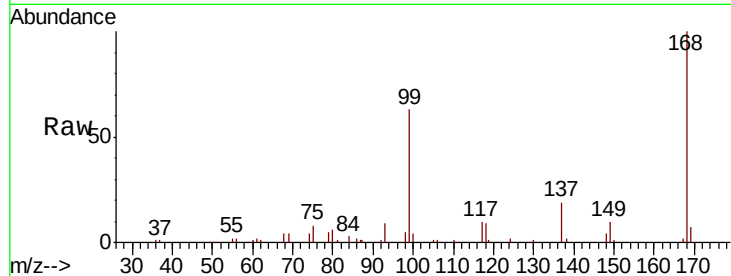
Time-->



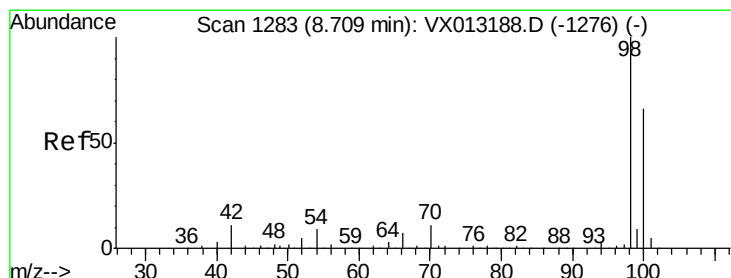
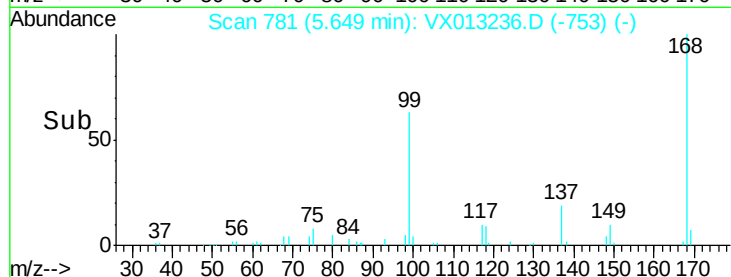
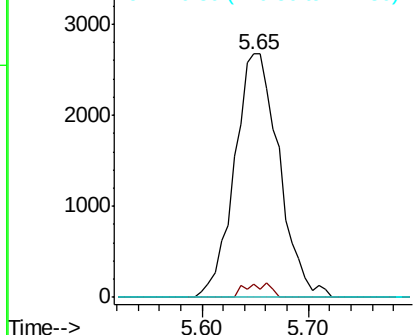
#38
Carbon Tetrachloride
Concen: 3.906 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
GW809-20.0-25.0-102419

Tot Ion:117 Resp: 7840
Ion Ratio Lower Upper
117 100
119 5.5 80.1 120.1#
121 0.0 25.5 38.3#

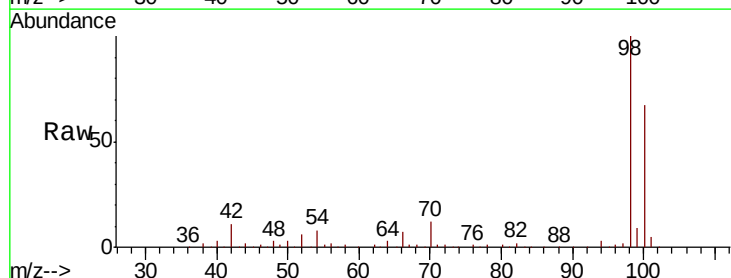


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

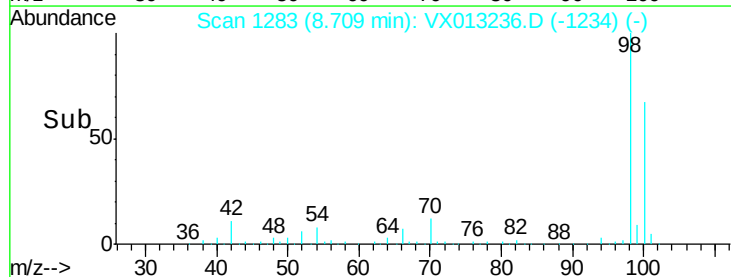
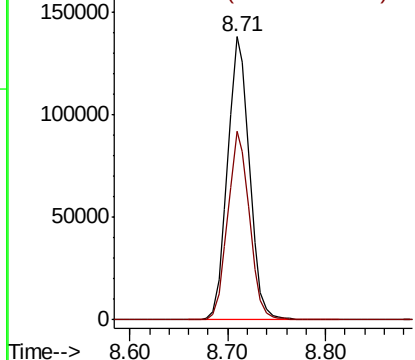


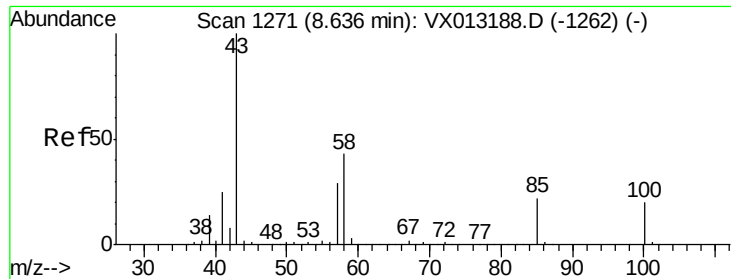
#50
Toluene-d8
Concen: 47.811 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013236.D
Acq: 25 Oct 2019 17:13

Tgt Ion: 98 Resp: 214557
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.507 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

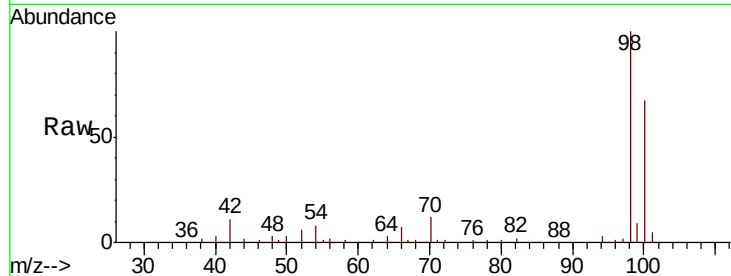
GW809-20.0-25.0-102419

Tot Ion: 43 Resp: 928

Ion Ratio Lower Upper

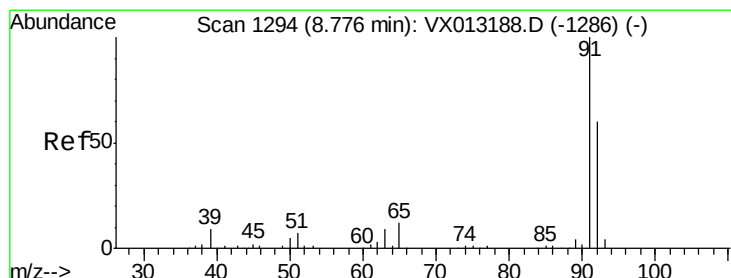
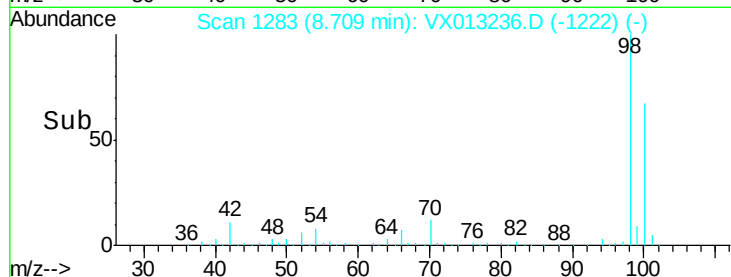
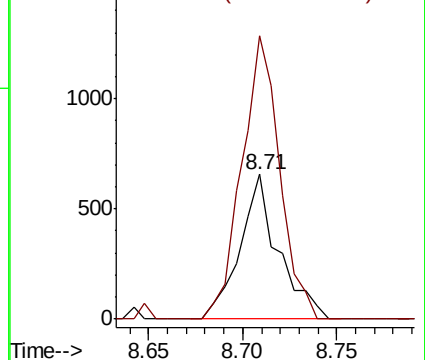
43 100

58 193.0 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.348 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX013236.D

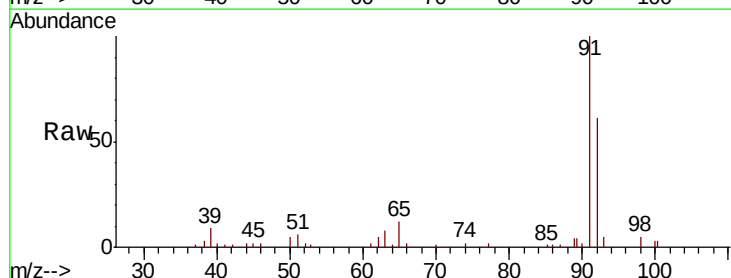
Acq: 25 Oct 2019 17:13

Tgt Ion: 92 Resp: 8489

Ion Ratio Lower Upper

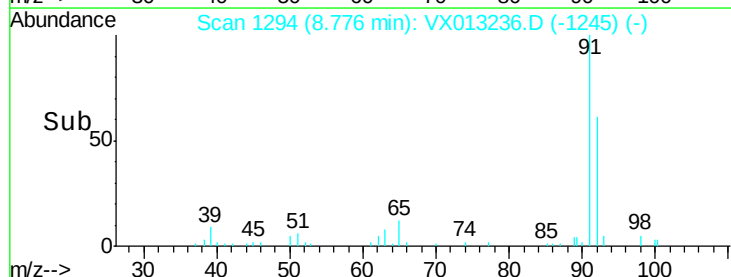
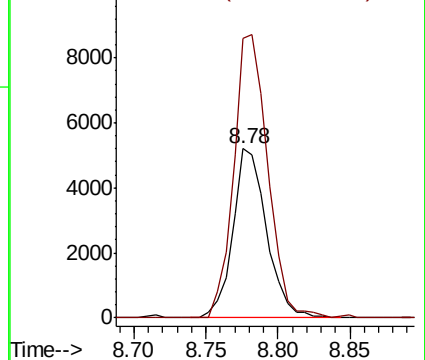
92 100

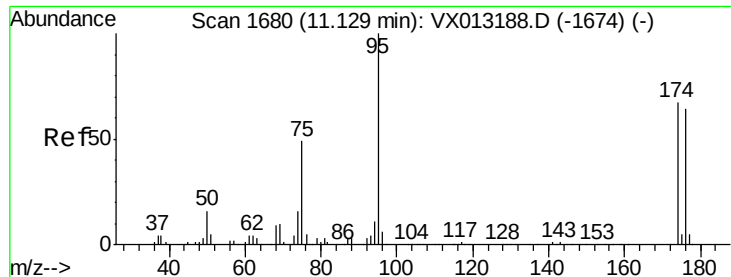
91 168.9 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.202 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

GW809-20.0-25.0-102419

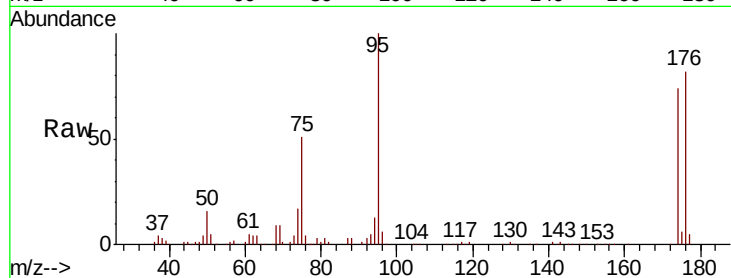
Tot Ion: 95 Resp: 76735

Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.4

176 75.0 0.0 146.0



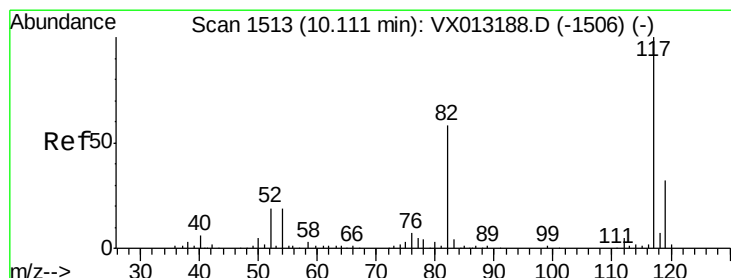
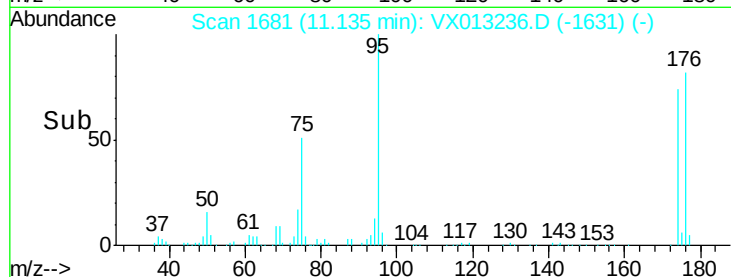
Abundance Ion 94.90 (94.60 to 95.60): VX013188.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013188.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013188.D (-1674) (-)

Time-->

11.14



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

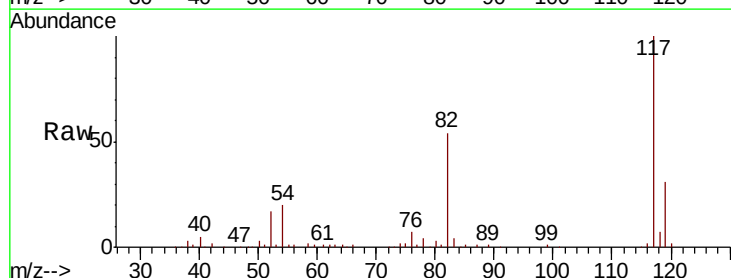
Tgt Ion: 117 Resp: 107211

Ion Ratio Lower Upper

117 100

82 54.4 46.5 69.7

119 31.1 25.2 37.8



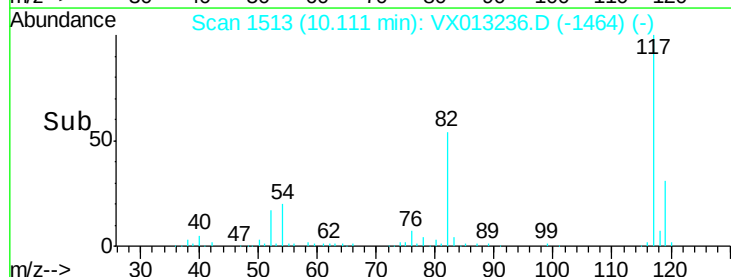
Abundance Ion 116.90 (116.60 to 117.60): VX013188.D (-1506) (-)

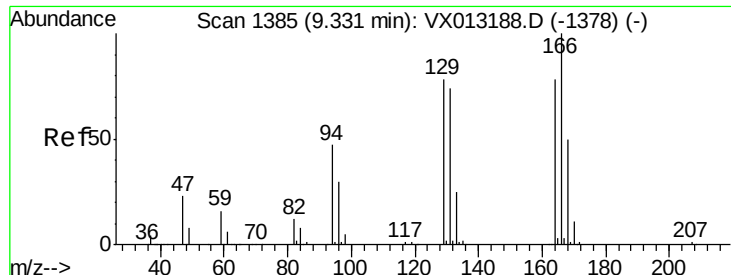
Ion 82.00 (81.70 to 82.70): VX013188.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX013188.D (-1506) (-)

Time-->

10.11





#64

Tetrachloroethene

Concen: Below Cal

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

GW809-20.0-25.0-102419

Tot Ion:164 Resp: 138

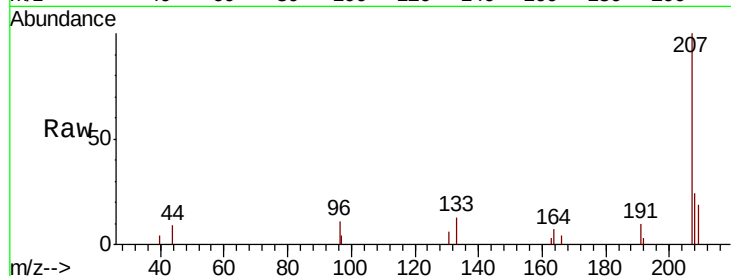
Ion Ratio Lower Upper

164 100

166 61.4 102.2 153.4#

129 0.0 79.8 119.8#

131 90.6 75.3 112.9

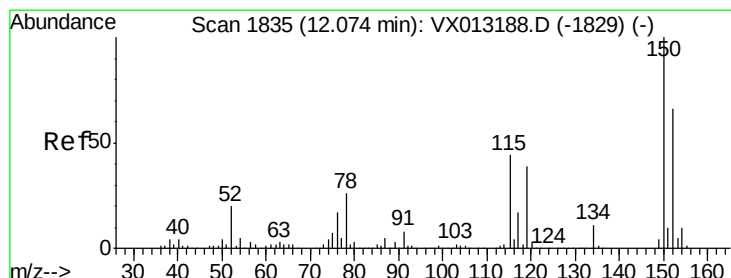
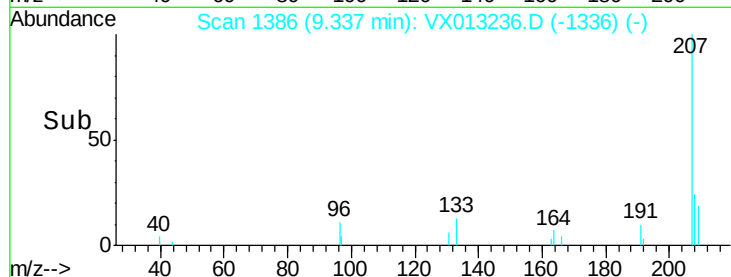
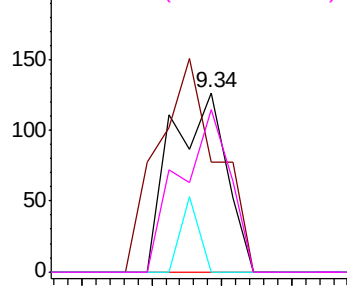


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013236.D

Acq: 25 Oct 2019 17:13

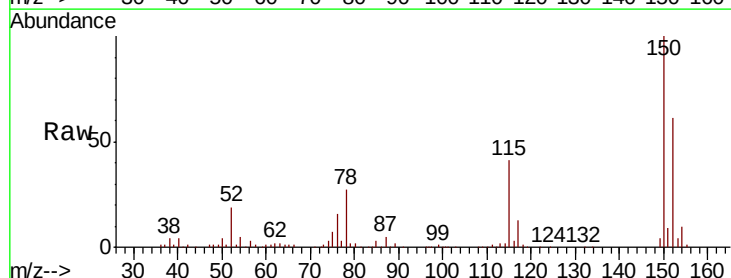
Tgt Ion:152 Resp: 62535

Ion Ratio Lower Upper

152 100

115 67.0 46.6 139.8

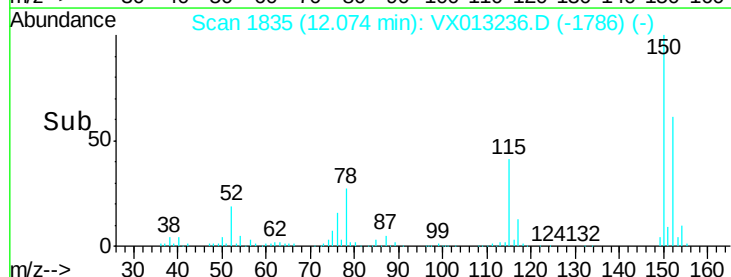
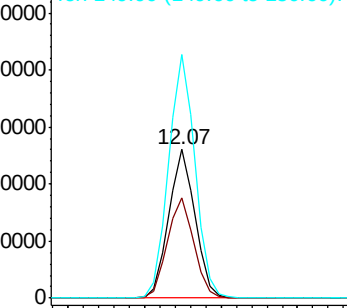
150 163.4 0.0 354.0

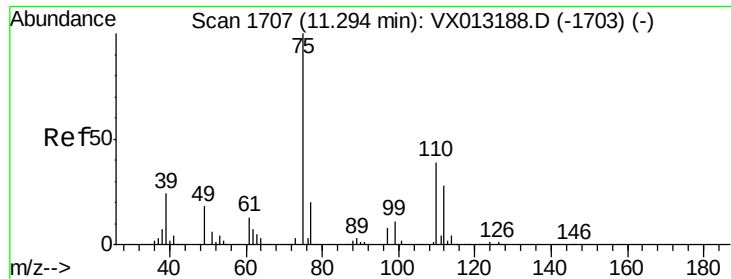


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.105 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

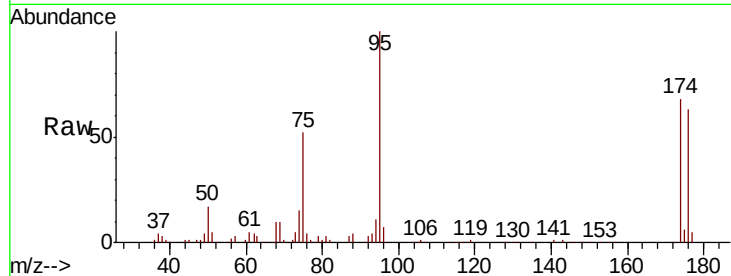
GW809-20.0-25.0-102419

Tot Ion: 75 Resp: 39345

Ion Ratio Lower Upper

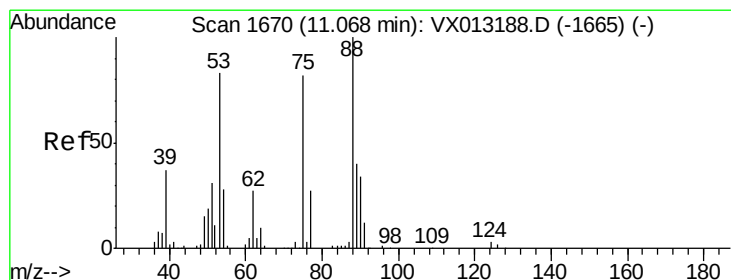
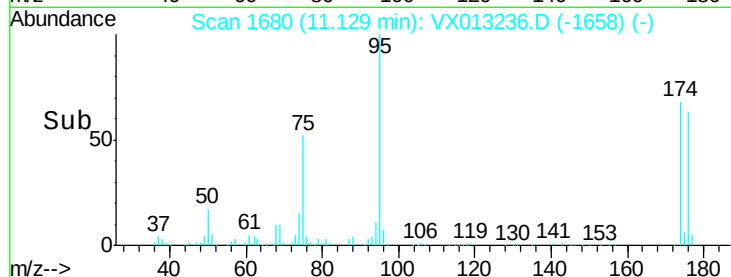
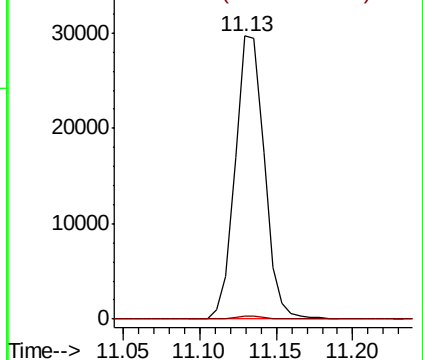
75 100

77 1.2 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: 71.734 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

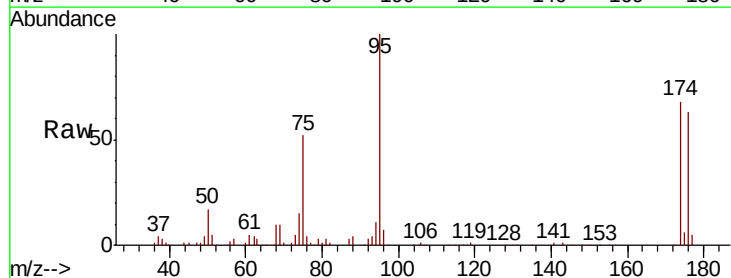
Tgt Ion: 75 Resp: 39345

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

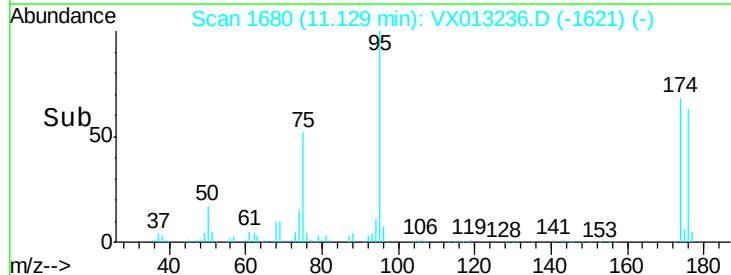
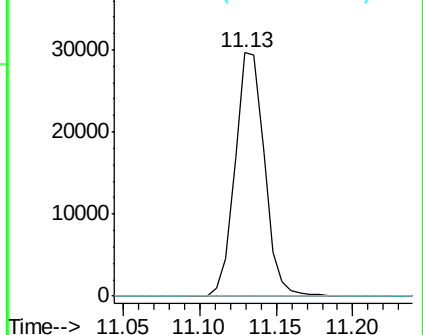
89 0.1 37.3 55.9#

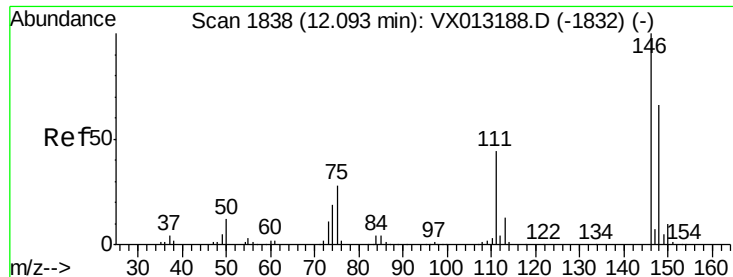


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.206 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

GW809-20.0-25.0-102419

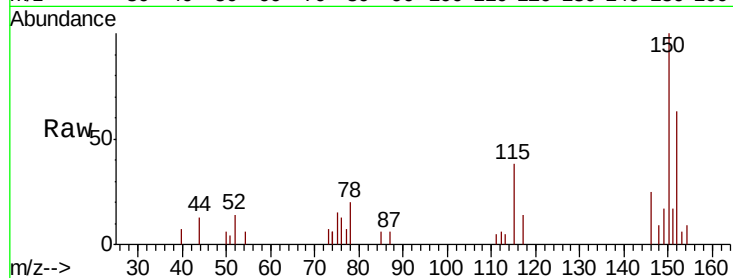
Tot Ion:146 Resp: 515

Ion Ratio Lower Upper

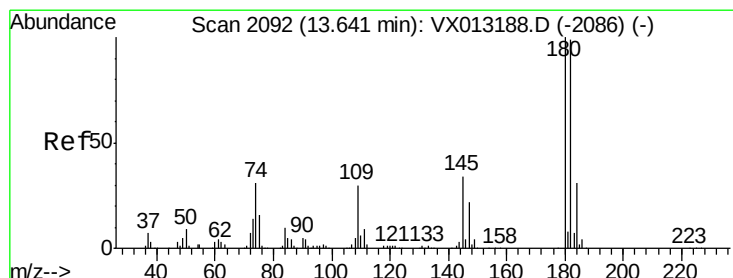
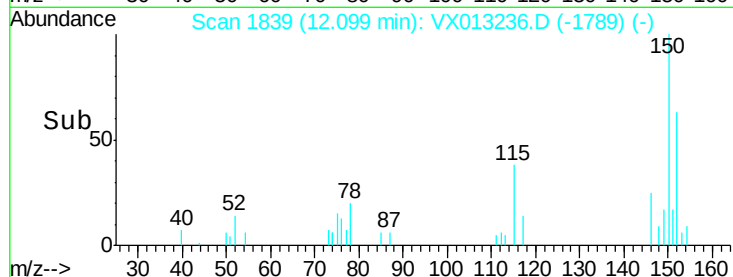
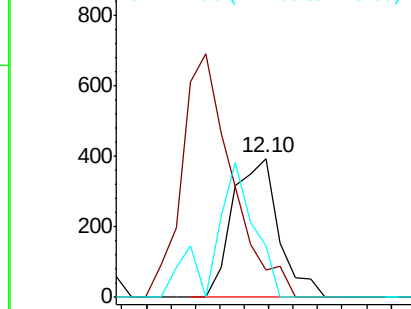
146 100

111 0.0 21.3 63.9#

148 85.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.285 ug/l

RT: 13.63 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VX013236.D

Acq: 25 Oct 2019 17:13

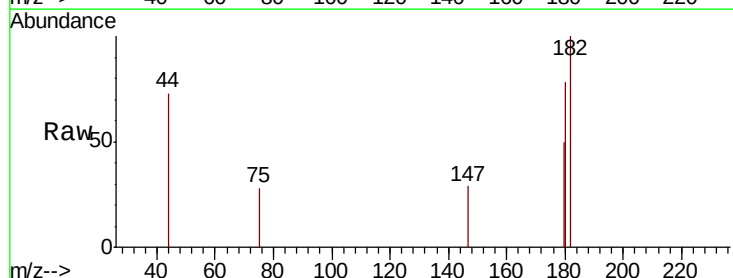
Tgt Ion:180 Resp: 434

Ion Ratio Lower Upper

180 100

182 83.2 45.9 137.6

145 14.1 15.9 47.6#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

