

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010000.D
 Acq On : 31 May 2019 22:14
 Operator : JC/SP
 Sample : VX0531WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL02

Quant Time: Jun 01 04:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125028	50.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.44%	
35) Dibromofluoromethane	5.50	113	92241	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	
50) Toluene-d8	8.71	98	377167	52.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.13	95	129432	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	

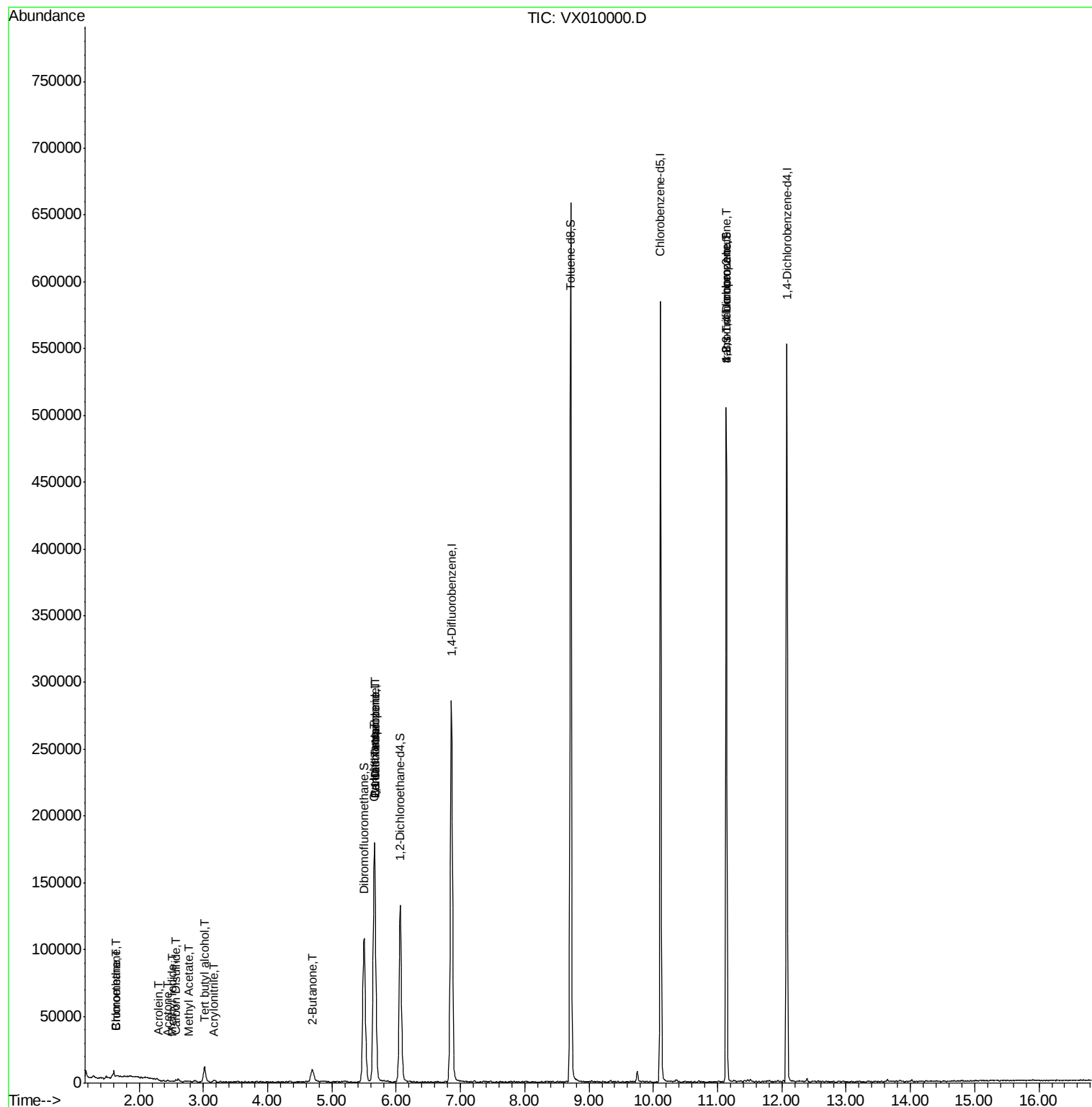
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	681	0.431	ug/l #	52
6) Chloroethane	1.65	64	4080	2.540	ug/l #	43
10) Methyl Iodide	2.52	142	414	4.831	ug/l #	84
11) Tert butyl alcohol	3.02	59	6930	11.312	ug/l #	77
13) Acrolein	2.30	56	436	22.016	ug/l	95
15) Acrylonitrile	3.15	53	334	0.226	ug/l #	70
16) Acetone	2.45	43	1288	0.895	ug/l	91
17) Carbon Disulfide	2.57	76	1722	0.701	ug/l	98
18) Methyl Acetate	2.78	43	797	0.238	ug/l	92
25) 2-Butanone	4.70	43	1157	0.516	ug/l	98
31) Cyclohexane	5.65	56	3658	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13719	4.791	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16469	6.655	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	66649	24.236	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66649	59.964	ug/l #	10

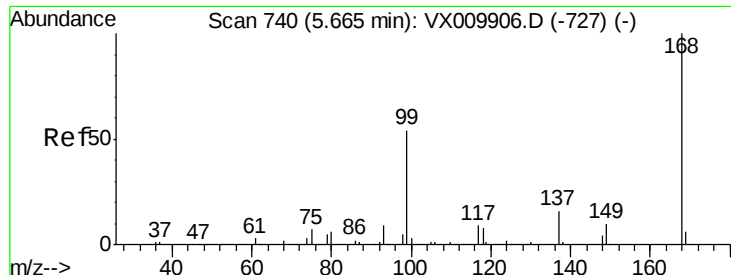
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX053119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

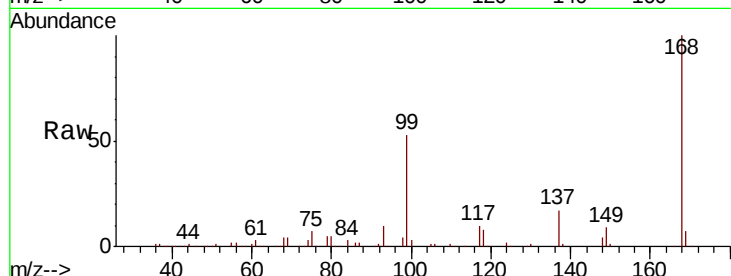
VX0531WBL02

Tot Ion:168 Resp: 176231

Ion Ratio Lower Upper

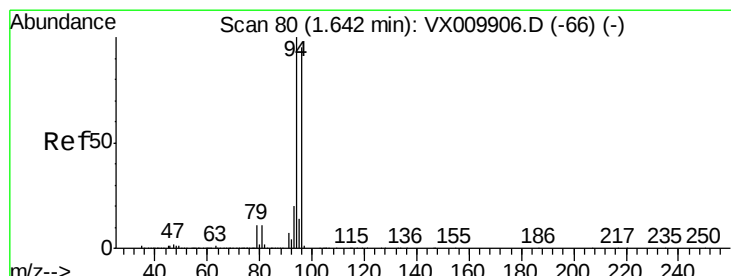
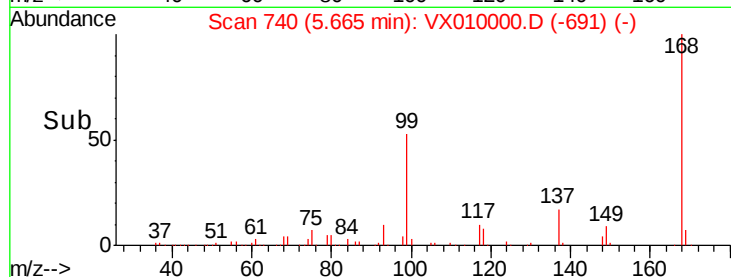
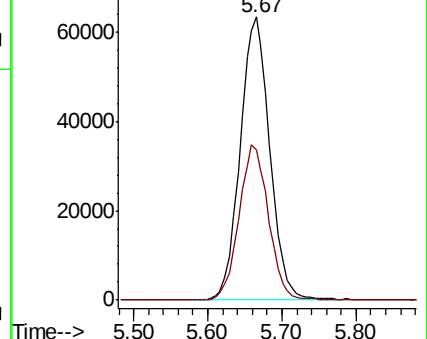
168 100

99 53.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.431 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010000.D

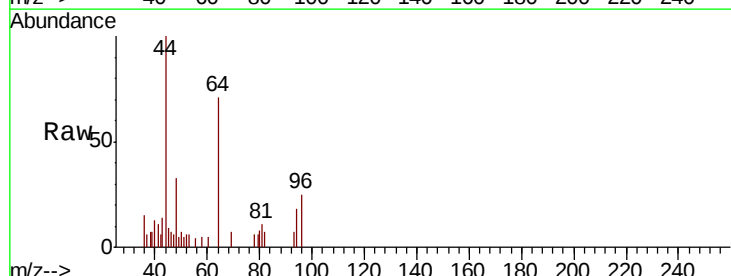
Acq: 31 May 2019 22:14

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

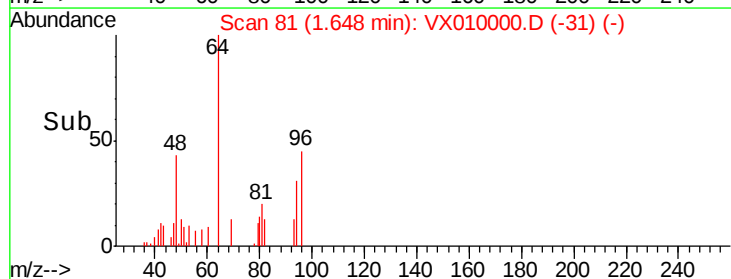
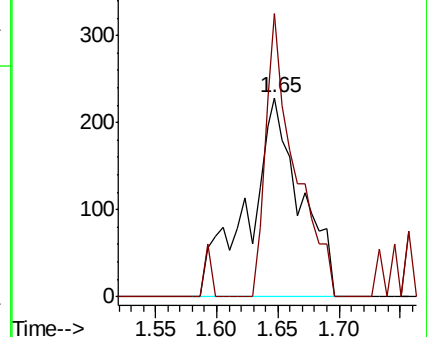
94 100

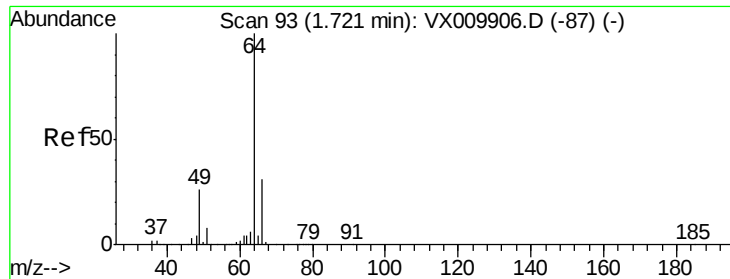
96 141.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.540 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

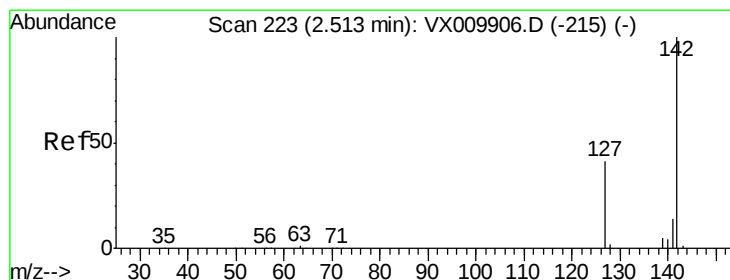
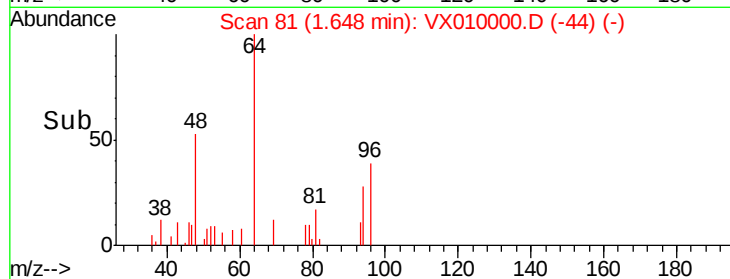
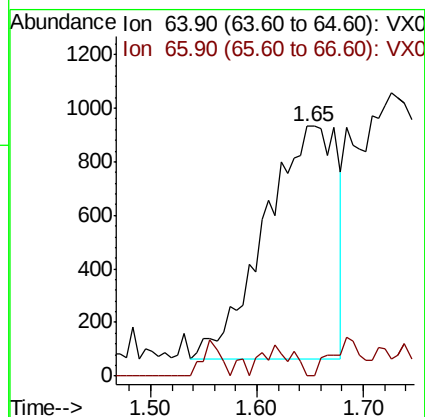
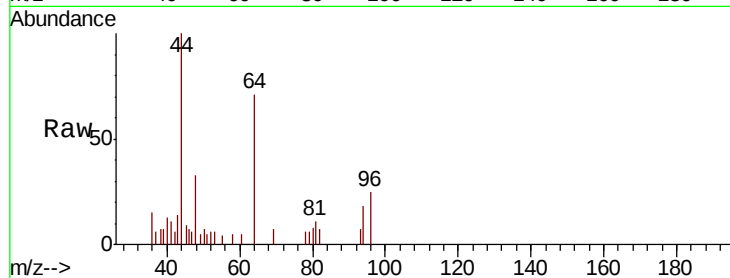
VX0531WBL02

Tot Ion: 64 Resp: 4080

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#10

Methyl Iodide

Concen: 4.831 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

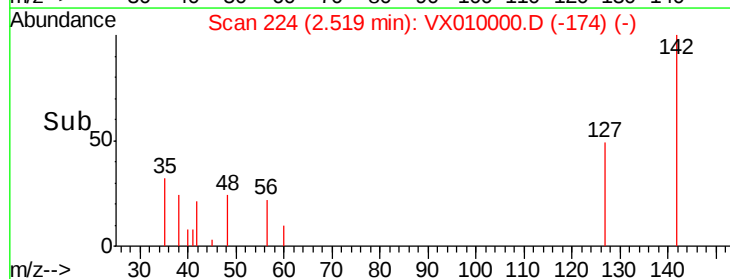
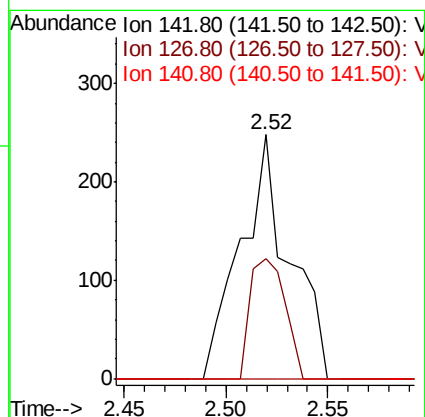
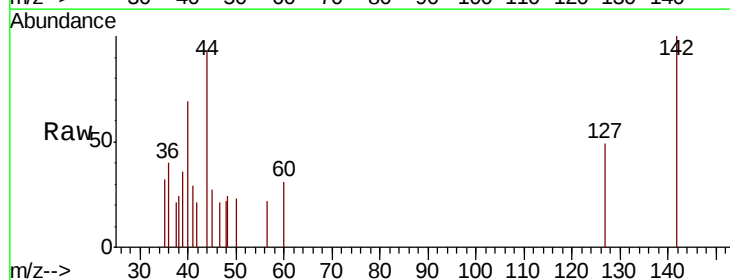
Tgt Ion: 142 Resp: 414

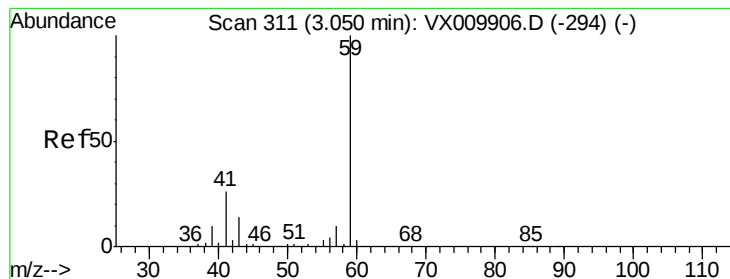
Ion Ratio Lower Upper

142 100

127 35.0 33.0 49.4

141 0.0 11.4 17.0#



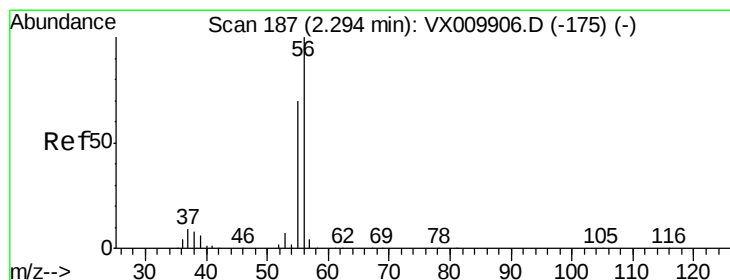
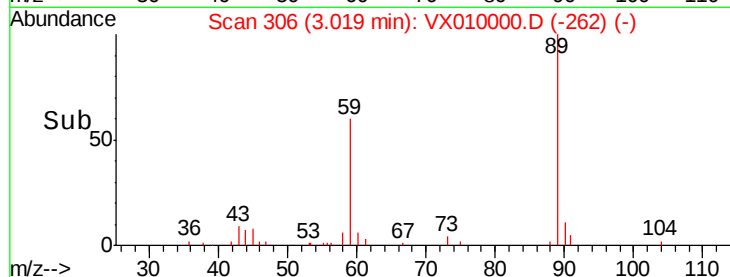
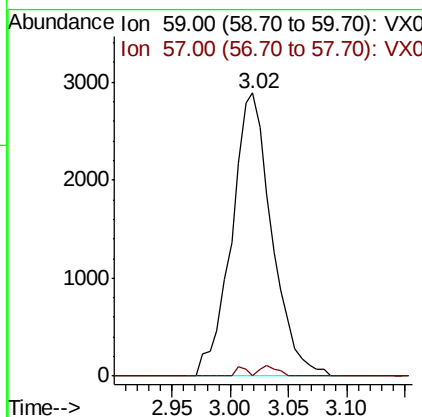
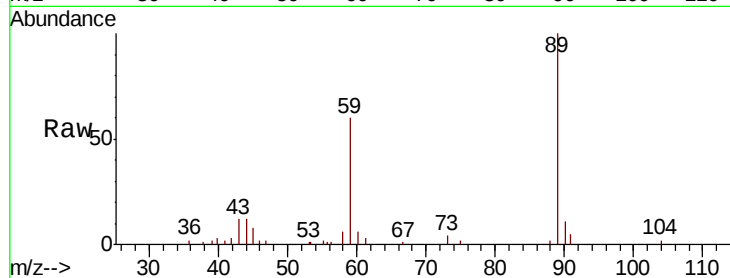


#11

Tert butyl alcohol
 Concen: 11.312 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL02

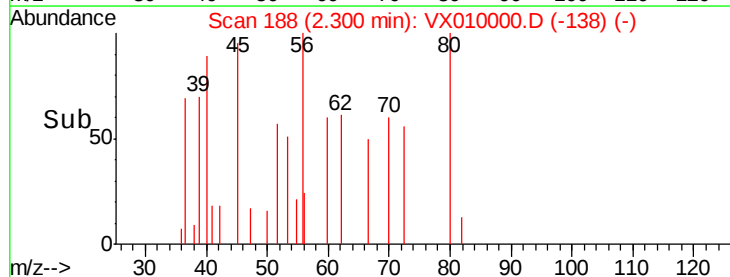
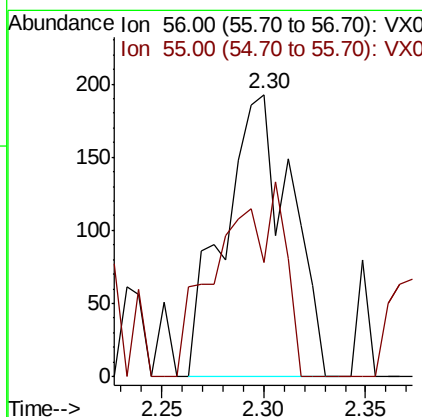
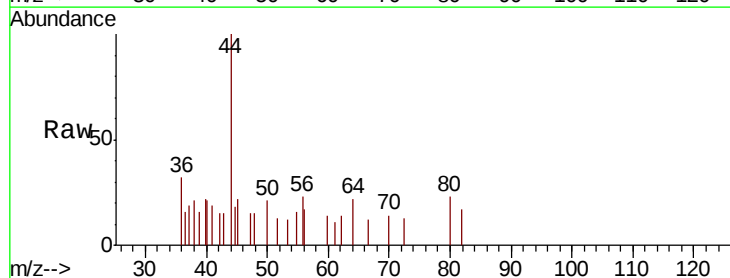
Tot Ion: 59 Resp: 6930
 Ion Ratio Lower Upper
 59 100
 57 1.6 8.2 12.2#

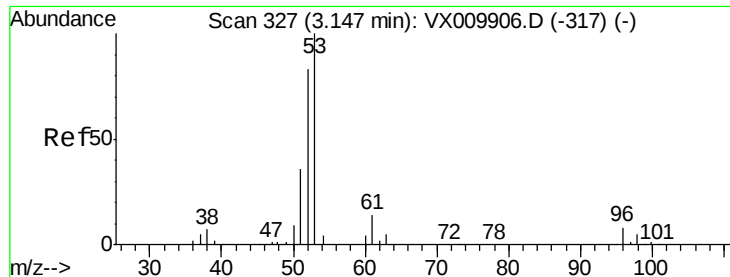


#13

Acrolein
 Concen: 22.016 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

Tgt Ion: 56 Resp: 436
 Ion Ratio Lower Upper
 56 100
 55 67.0 57.0 85.4





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampled :

VX0531WBL02

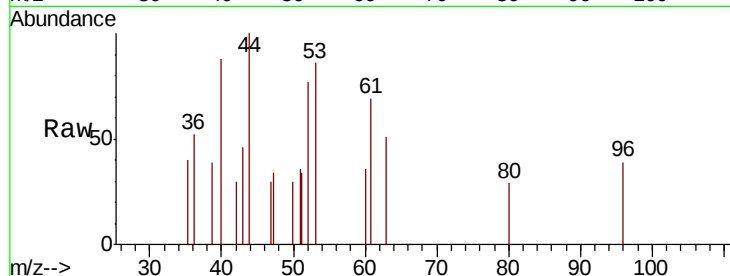
Tot Ion: 53 Resp: 334

Ion Ratio Lower Upper

53 100

52 110.5 66.7 100.1#

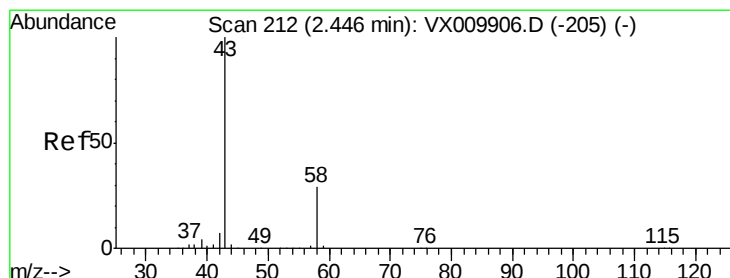
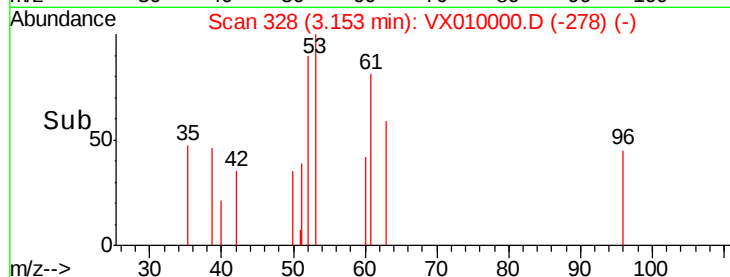
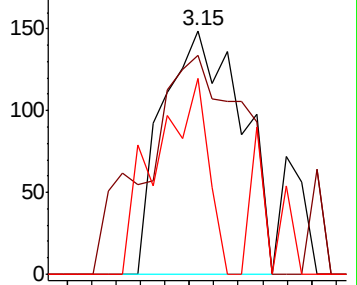
51 53.3 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.895 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010000.D

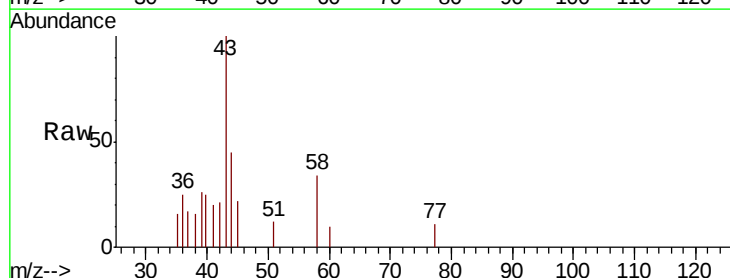
Acq: 31 May 2019 22:14

Tgt Ion: 43 Resp: 1288

Ion Ratio Lower Upper

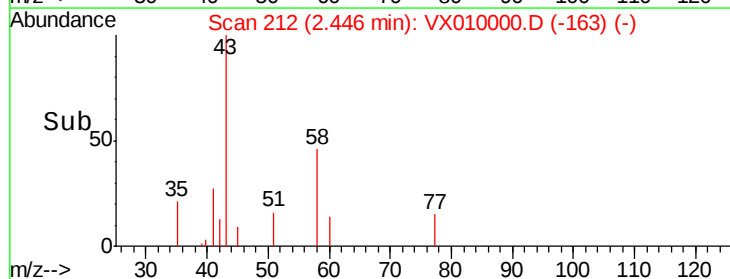
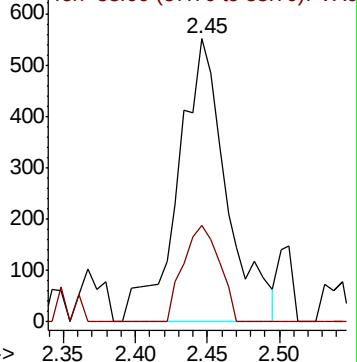
43 100

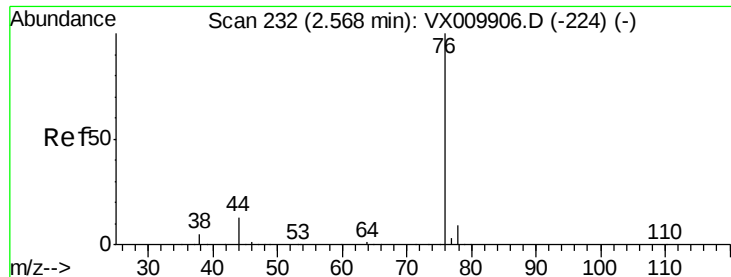
58 33.9 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.701 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

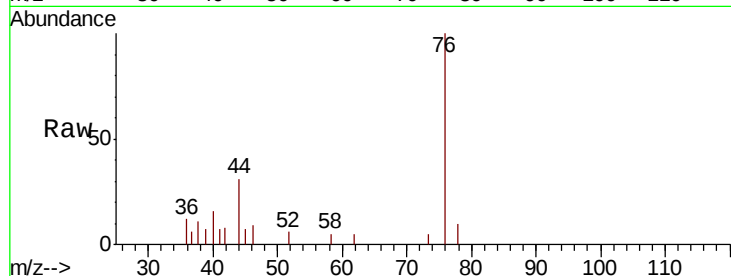
VX0531WBL02

Tot Ion: 76 Resp: 1722

Ion Ratio Lower Upper

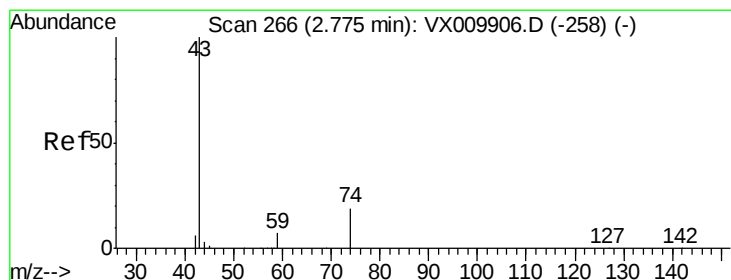
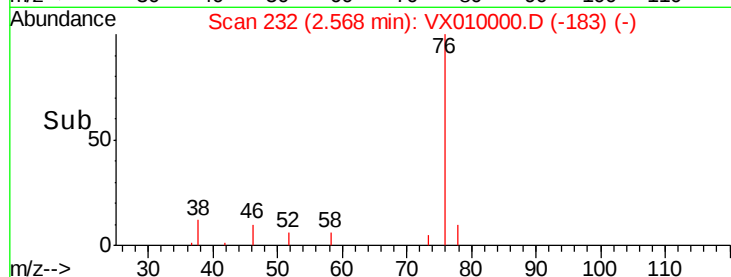
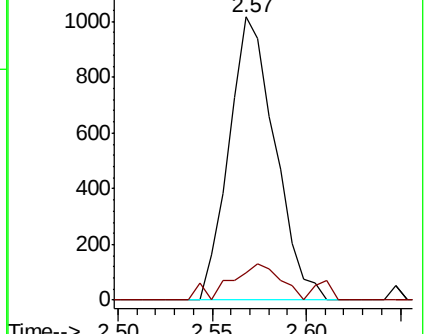
76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.238 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010000.D

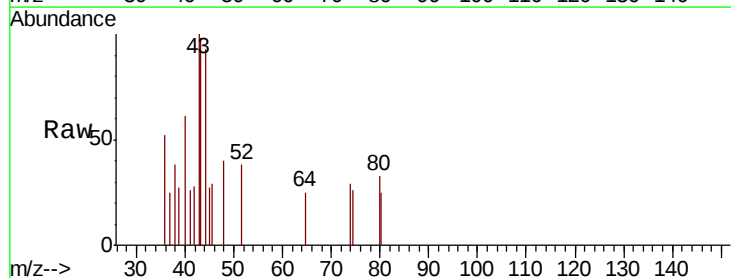
Acq: 31 May 2019 22:14

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

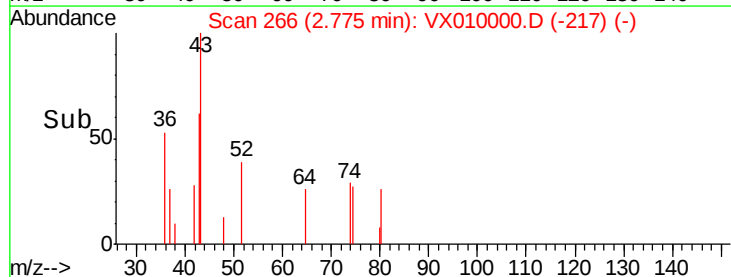
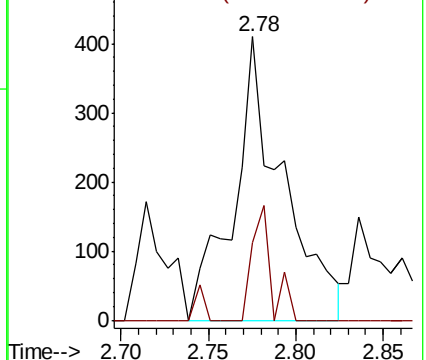
43 100

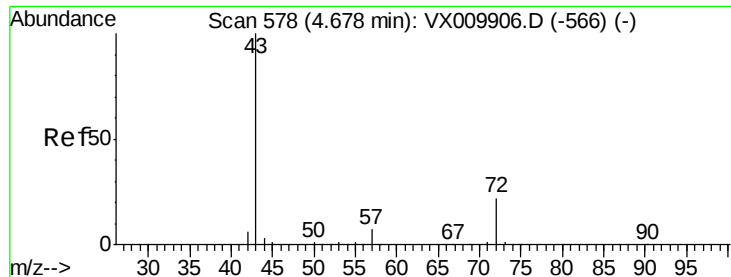
74 15.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.516 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

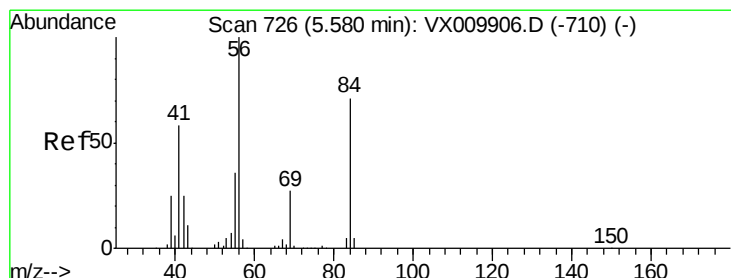
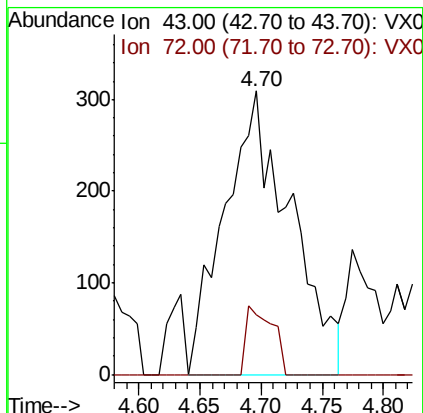
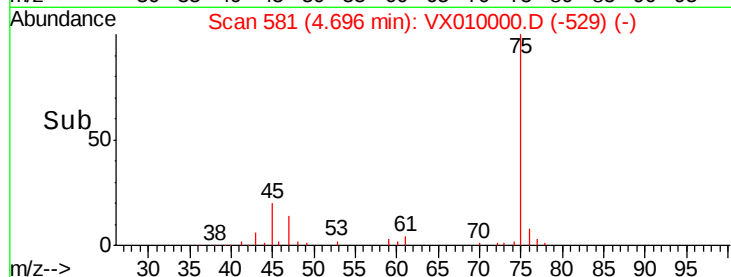
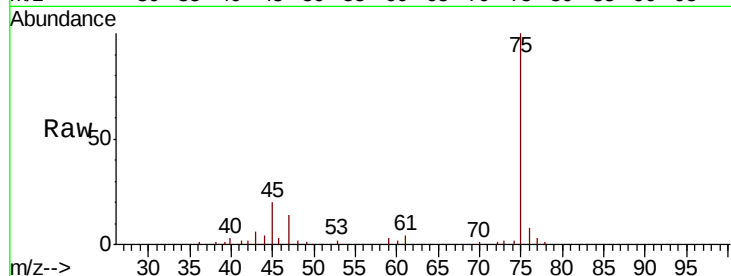
VX0531WBL02

Tot Ion: 43 Resp: 1157

Ion Ratio Lower Upper

43 100

72 21.0 17.5 26.3



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

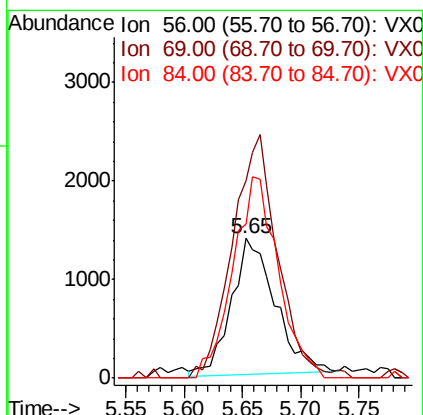
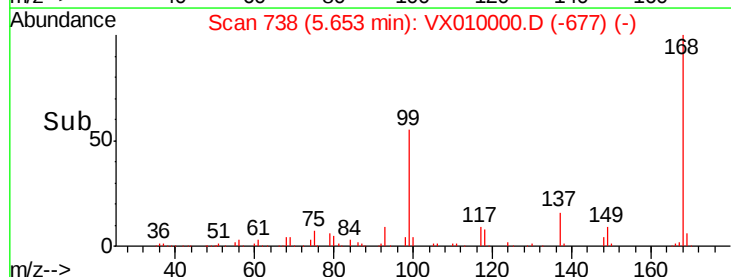
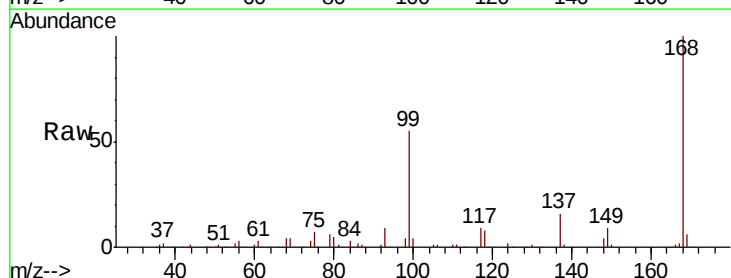
Tgt Ion: 56 Resp: 3658

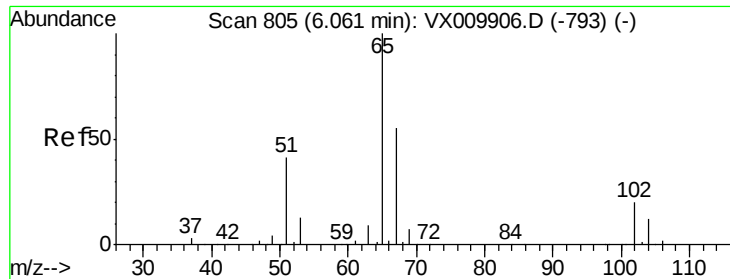
Ion Ratio Lower Upper

56 100

69 148.6 21.6 32.4#

84 116.1 56.8 85.2#

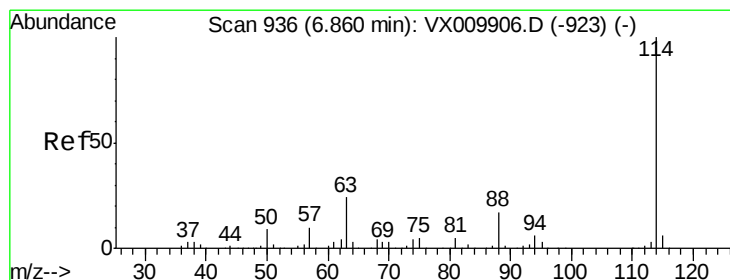
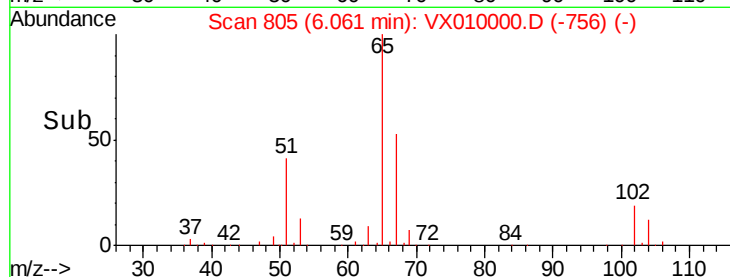
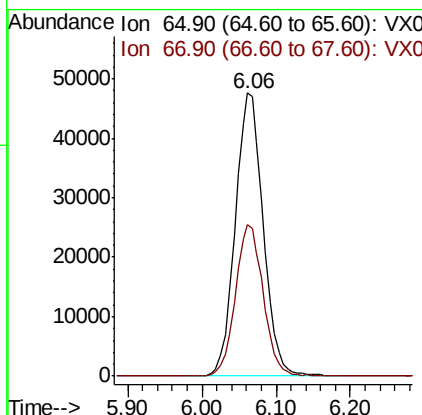
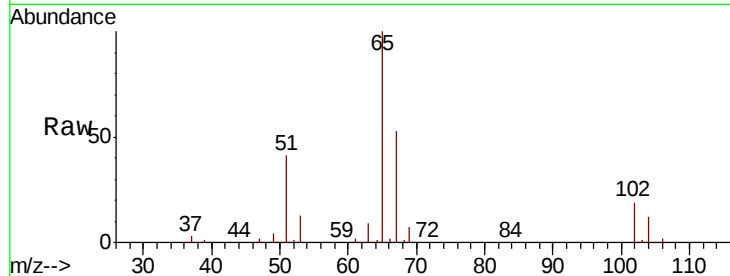




#33
 1,2-Dichloroethane-d4
 Concen: 50.224 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

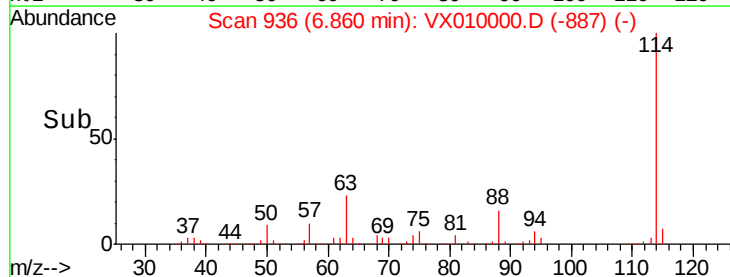
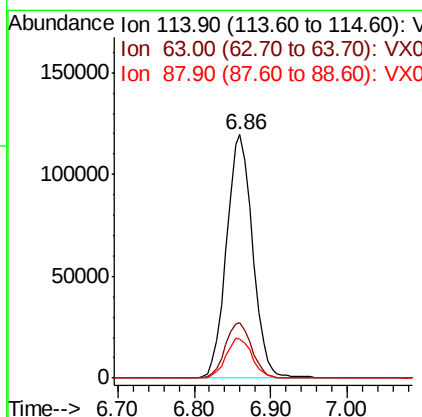
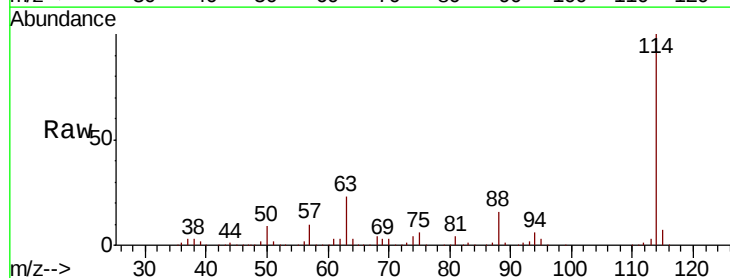
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBL02

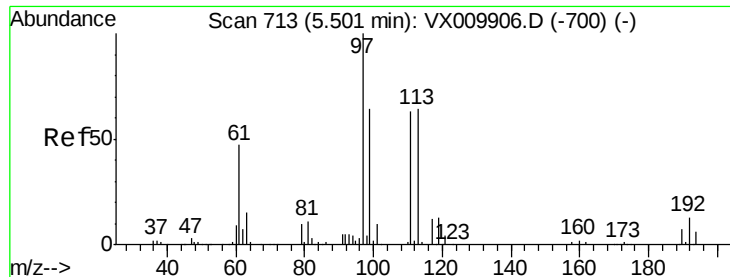
Tot Ion: 65 Resp: 125028
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

Tgt Ion: 114 Resp: 282245
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.0 0.0 33.0

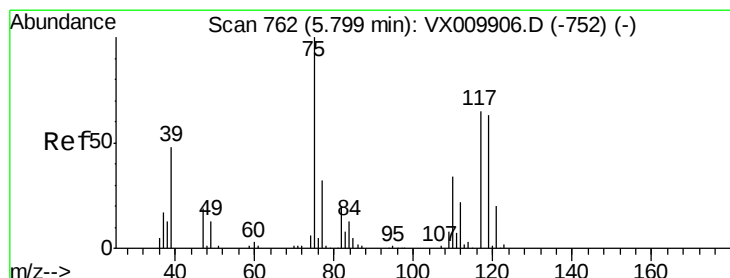
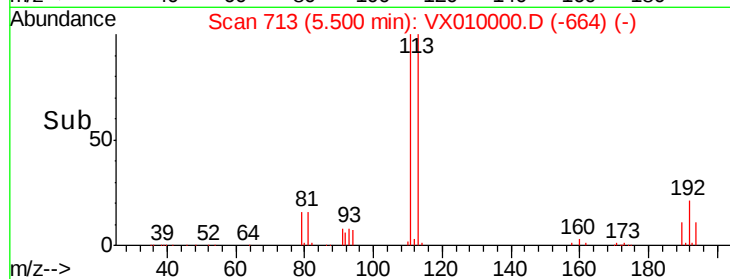
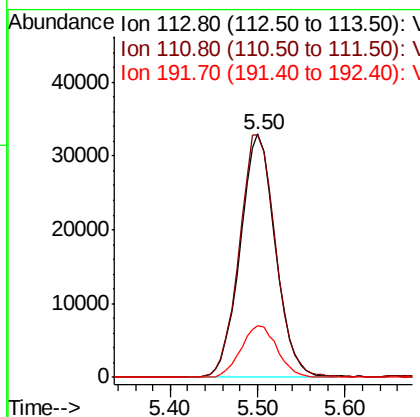
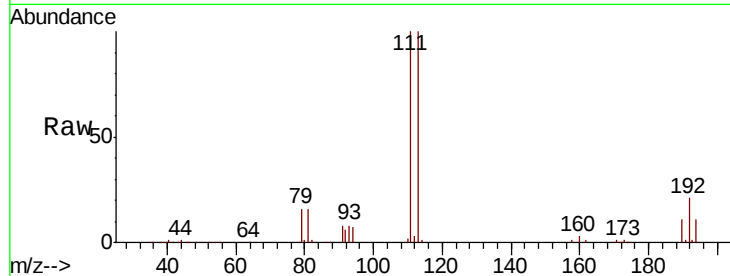




#35
 Dibromofluoromethane
 Concen: 51.982 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

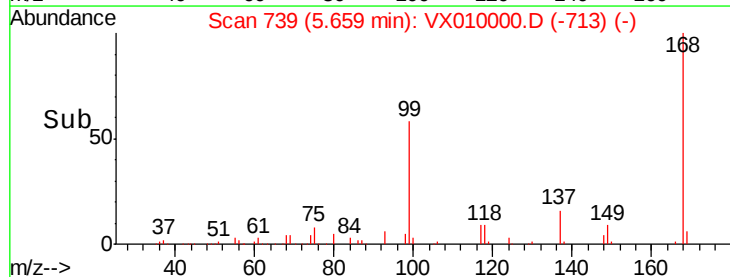
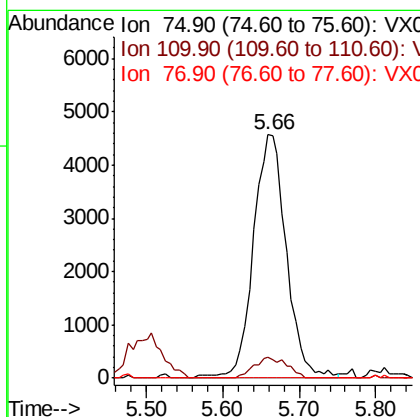
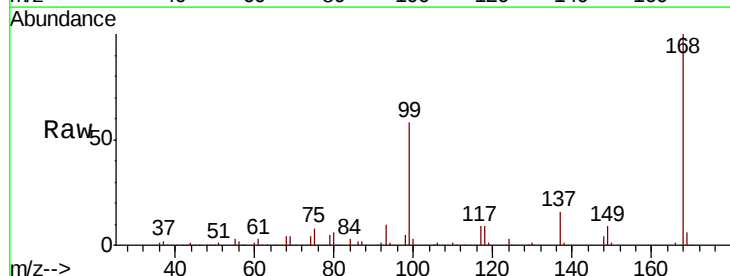
Instrument :
 MSVOA_X
 ClientSampled :
 VX0531WBL02

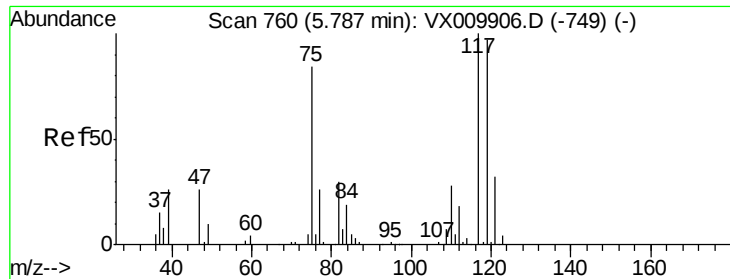
Tot Ion:113 Resp: 92241
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 22.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.791 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010000.D
 Acq: 31 May 2019 22:14

Tgt Ion: 75 Resp: 13719
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.655 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL02

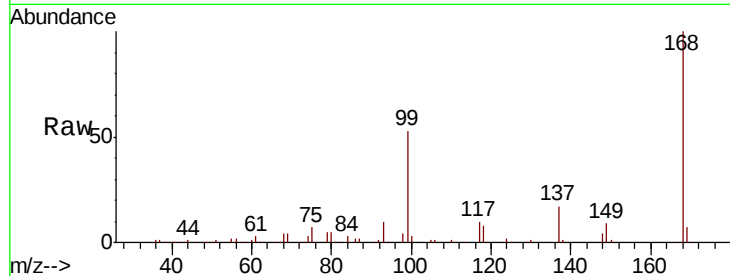
Tot Ion:117 Resp: 16469

Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

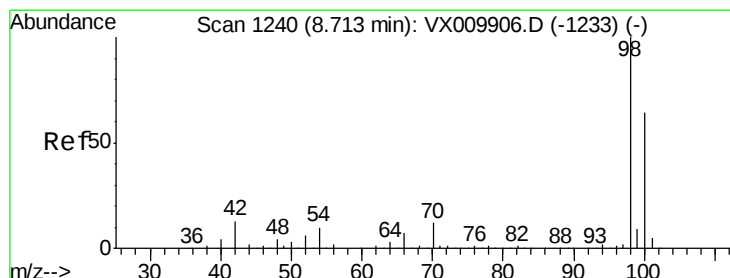
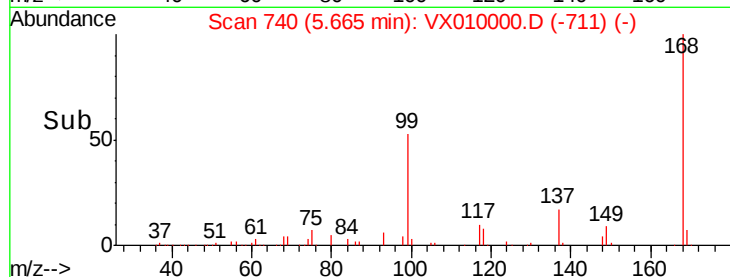
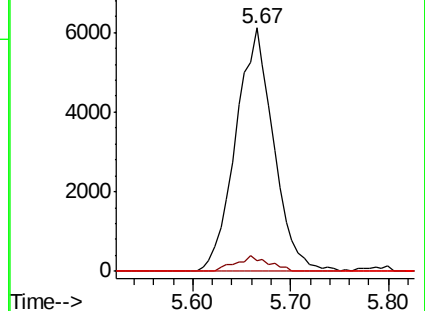
121 0.0 25.4 38.0#



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: 52.342 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010000.D

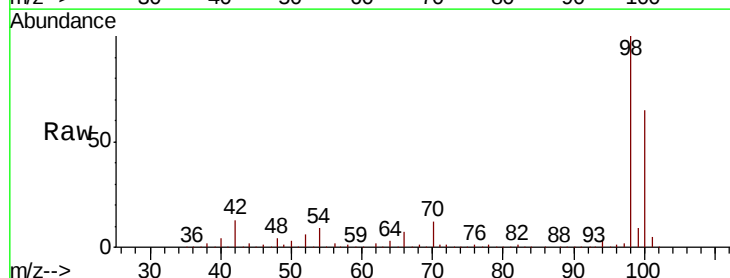
Acq: 31 May 2019 22:14

Tgt Ion: 98 Resp: 377167

Ion Ratio Lower Upper

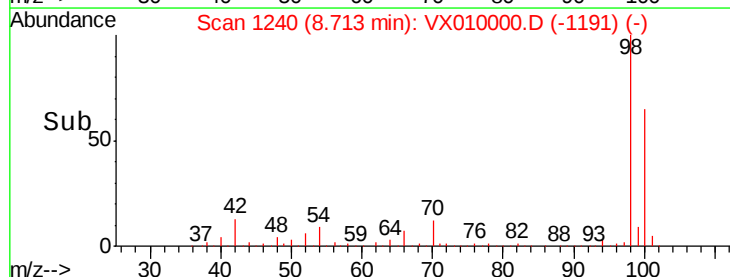
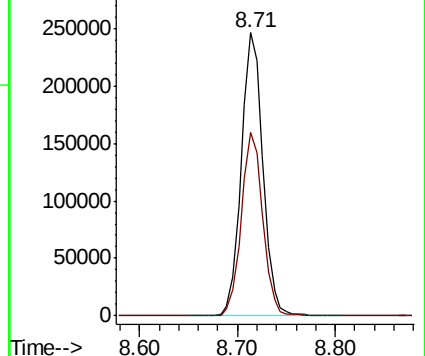
98 100

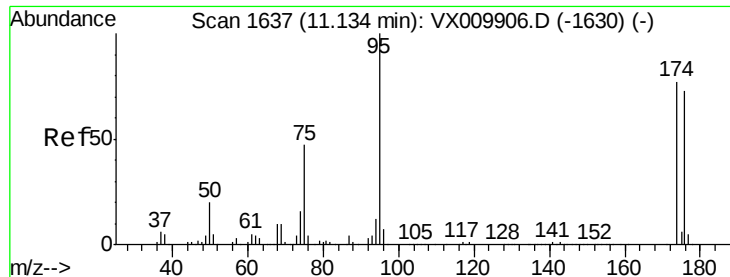
100 64.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.009 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampled :

VX0531WBL02

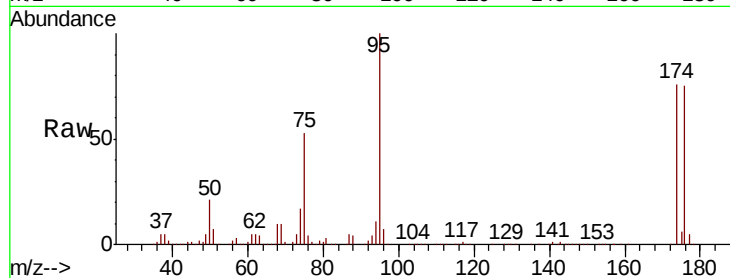
Tot Ion: 95 Resp: 129432

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.4

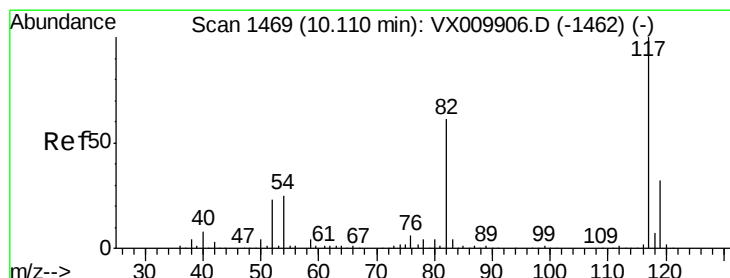
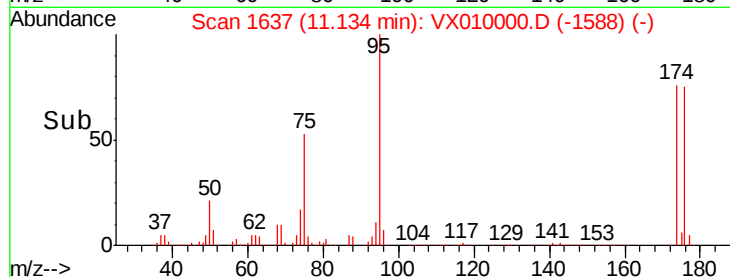
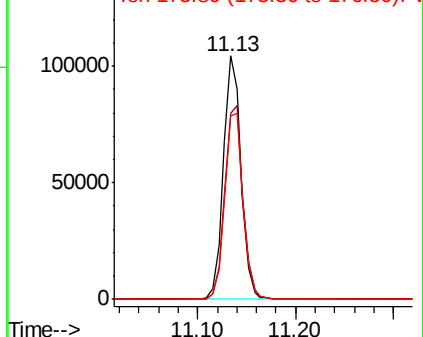
176 80.0 0.0 154.6



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# 1469

Delta R.T. -0.00 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

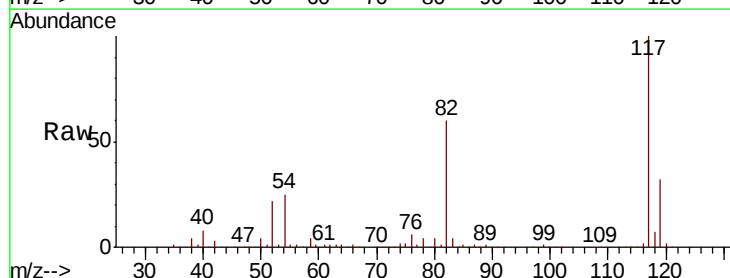
Tgt Ion: 117 Resp: 254554

Ion Ratio Lower Upper

117 100

82 60.0 49.2 73.8

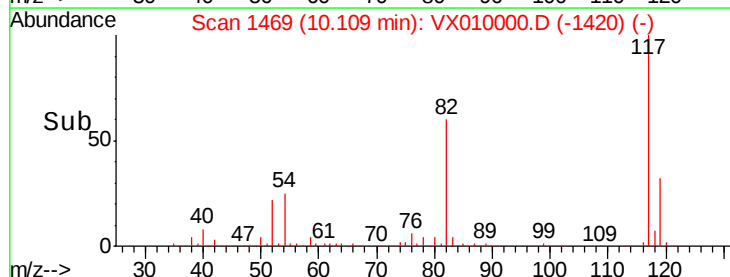
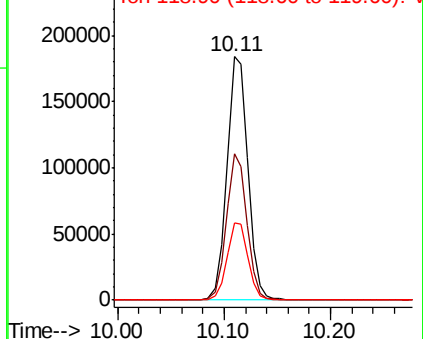
119 31.9 25.2 37.8

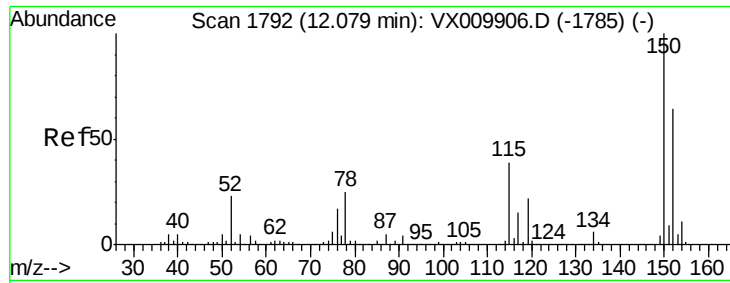


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL02

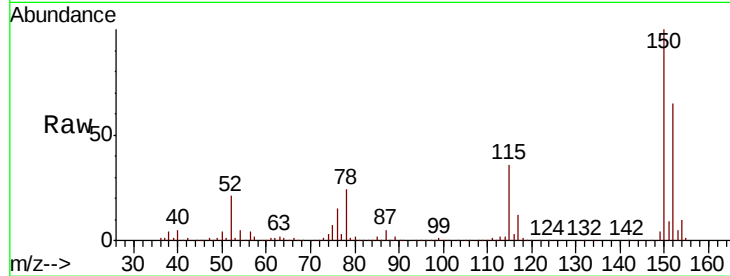
Tot Ion:152 Resp: 114999

Ion Ratio Lower Upper

152 100

115 57.5 41.4 124.2

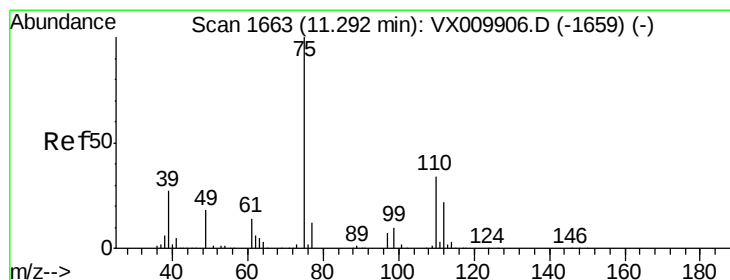
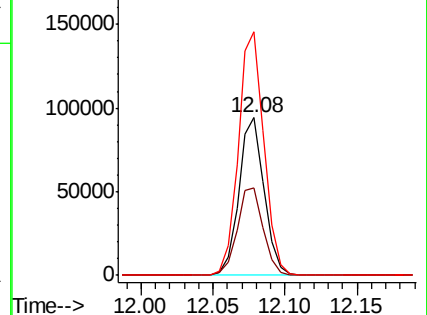
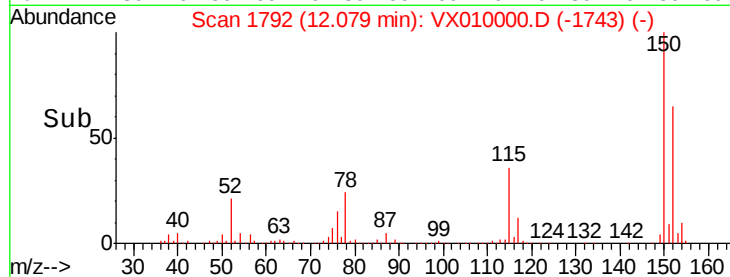
150 156.6 0.0 345.2



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: 24.236 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010000.D

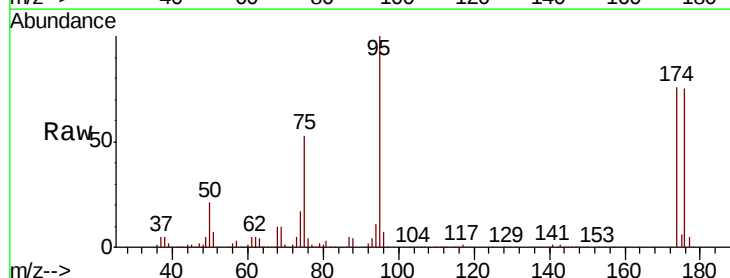
Acq: 31 May 2019 22:14

Tgt Ion: 75 Resp: 66649

Ion Ratio Lower Upper

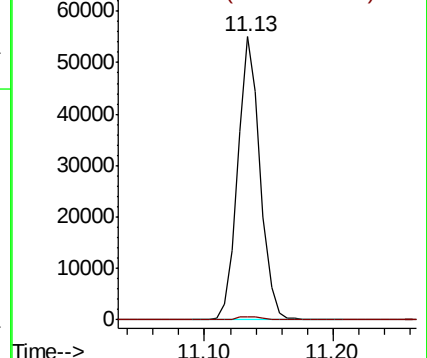
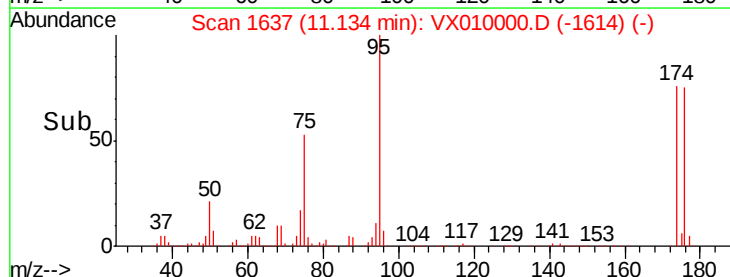
75 100

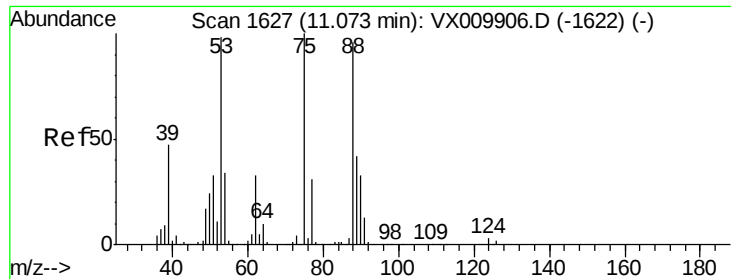
77 1.3 22.1 66.1#



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: 59.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010000.D

Acq: 31 May 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

VX0531WBL02

Tot Ion: 75 Resp: 66649

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

