

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\
 Data File : VX006927.D
 Acq On : 07 Jan 2019 11:29
 Operator : JC/MD
 Sample : VX0107MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 06:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	678768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1026562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	946195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	463006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	352543	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	5.50	113	314416	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	1207839	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	435335	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	

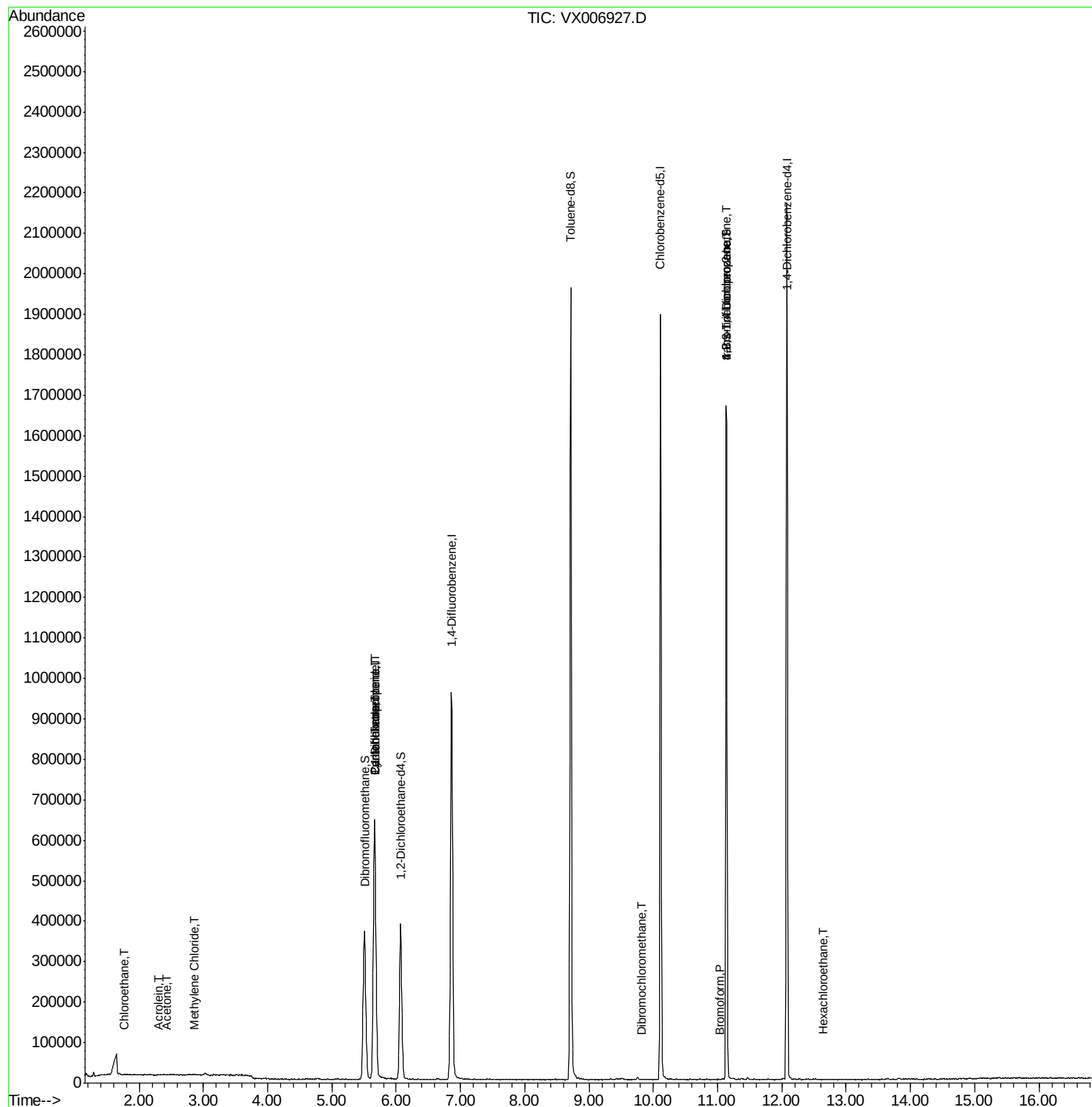
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1942	Below Cal	#	72
6) Chloroethane	1.78	64	1128	0.233	ug/l #	51
13) Acrolein	2.29	56	388	0.352	ug/l #	38
16) Acetone	2.44	43	843	0.251	ug/l #	69
20) Methylene Chloride	2.87	84	1478	0.213	ug/l #	68
28) Bromochloromethane	5.04	49	317	Below Cal	#	15
31) Cyclohexane	5.66	56	11111	1.097	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	41763	4.912	ug/l #	48
38) Carbon Tetrachloride	5.67	117	61169	7.403	ug/l #	14
49) 1,4-Dioxane	7.73	88	47	Below Cal	#	1
60) Dibromochloromethane	9.82	129	75	2.334	ug/l	81
71) Bromoform	11.05	173	123	4.480	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	207311	24.093	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	207311	71.348	ug/l #	10
90) Hexachloroethane	12.64	117	107	3.316	ug/l	60

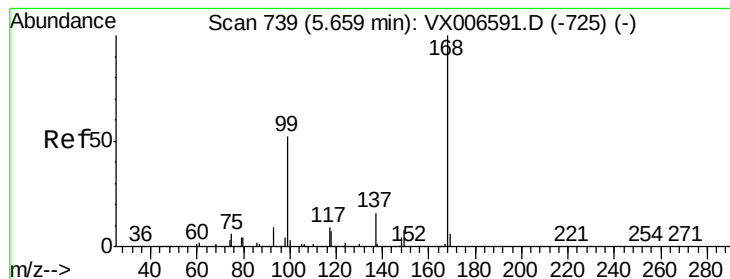
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010719\
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Sample : VX0107MBL01
Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 08 06:31:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

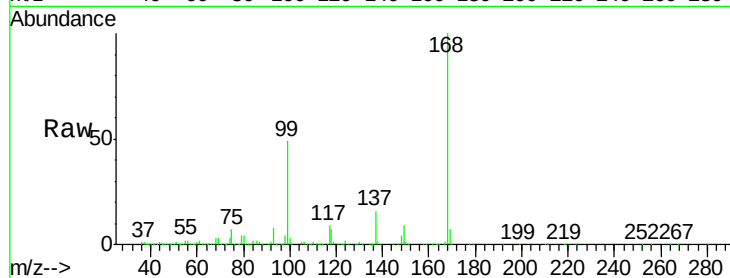
ClientSampleId :

Tot Ion:168 Resp: 678768

Ion Ratio Lower Upper

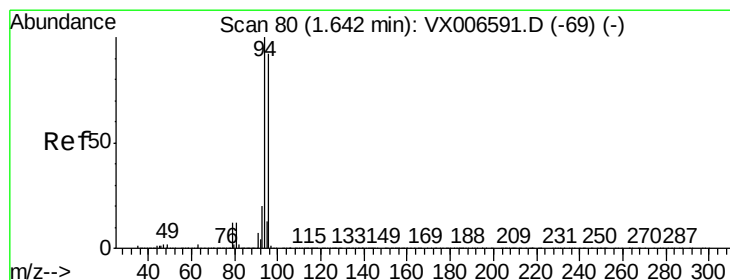
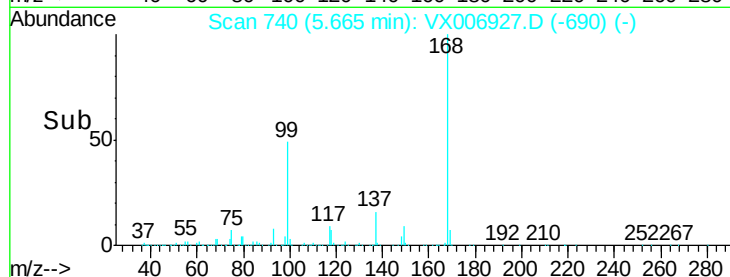
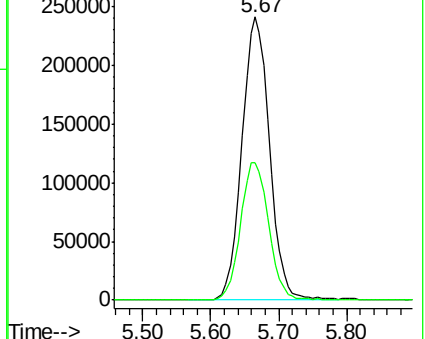
168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006927.D

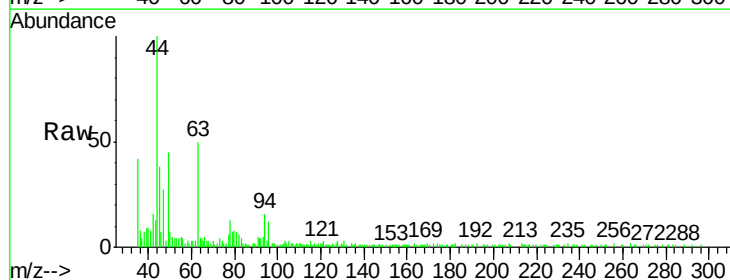
Acq: 07 Jan 2019 11:29

Tgt Ion: 94 Resp: 1942

Ion Ratio Lower Upper

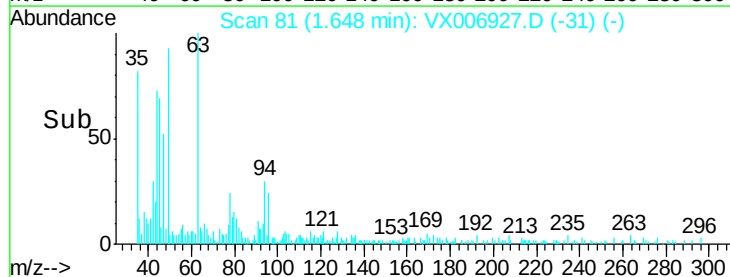
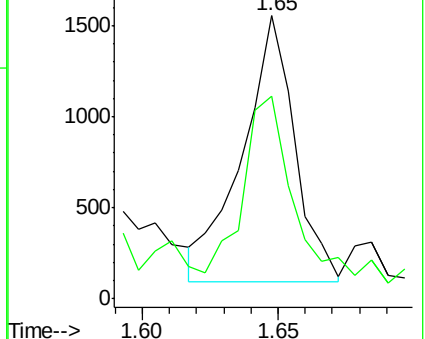
94 100

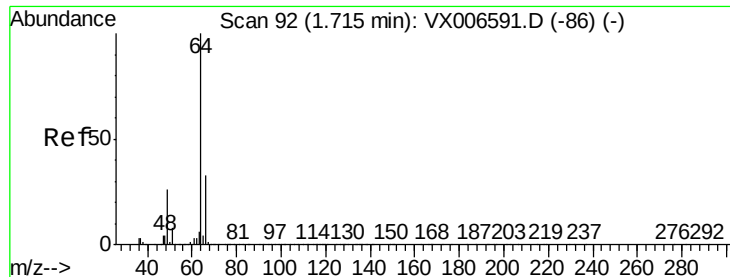
96 65.2 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.233 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

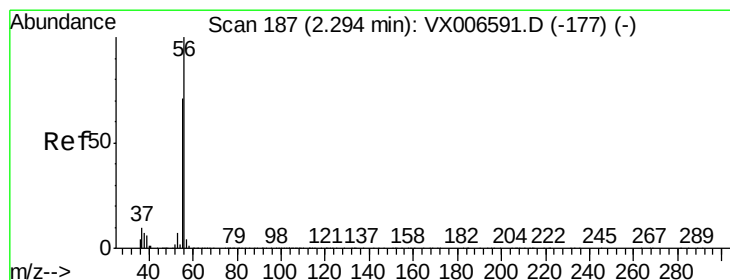
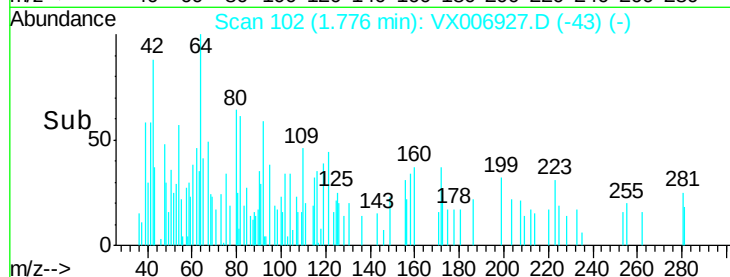
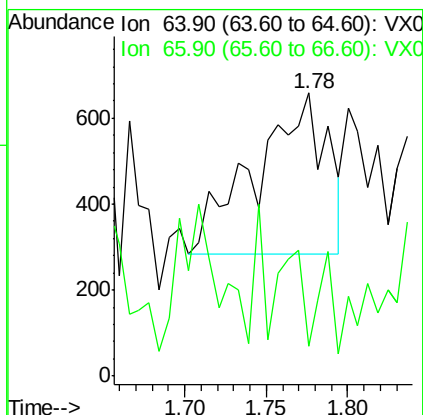
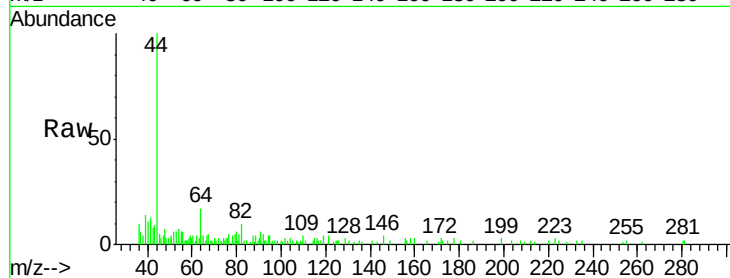
ClientSampled :

Tot Ion: 64 Resp: 1128

Ion Ratio Lower Upper

64 100

66 5.1 26.4 39.6#



#13

Acrolein

Concen: 0.352 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006927.D

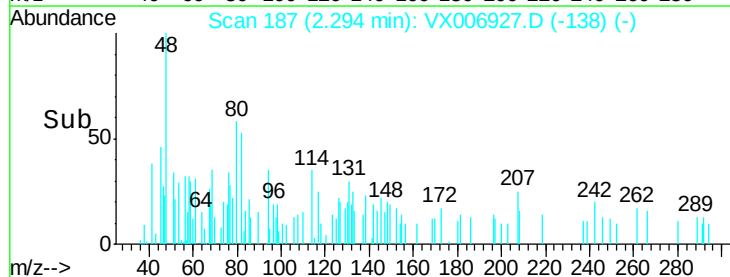
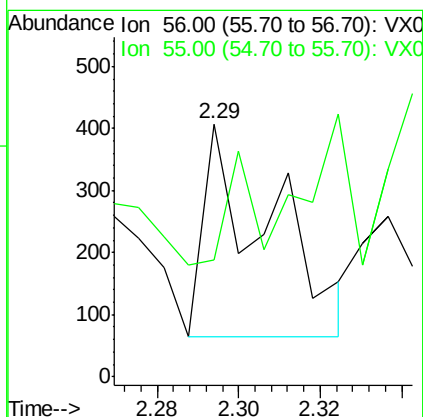
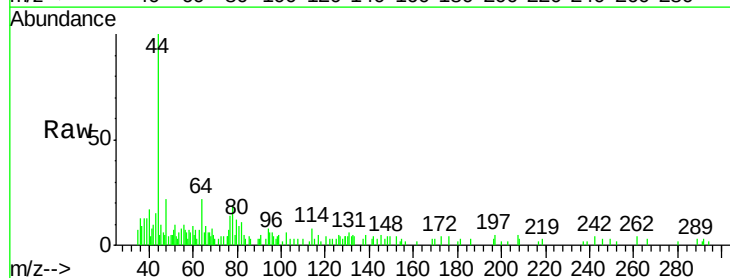
Acq: 07 Jan 2019 11:29

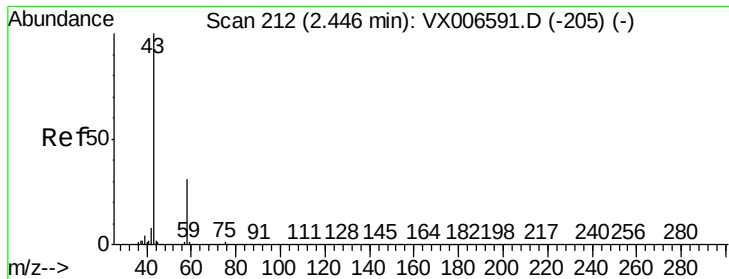
Tgt Ion: 56 Resp: 388

Ion Ratio Lower Upper

56 100

55 20.6 58.2 87.4#





#16

Acetone

Concen: 0.251 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

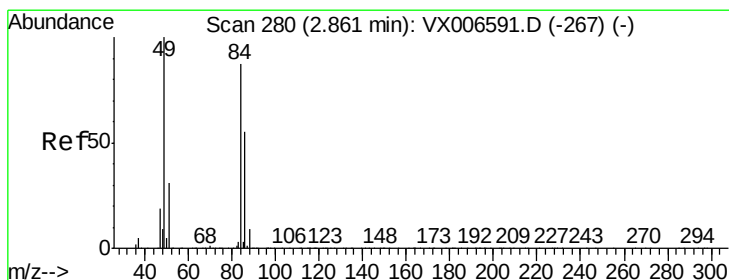
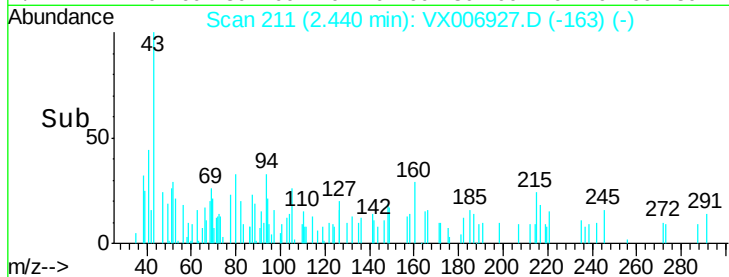
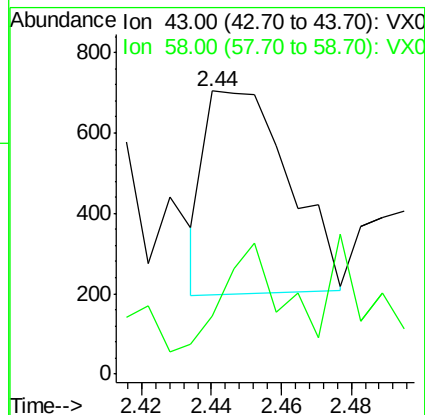
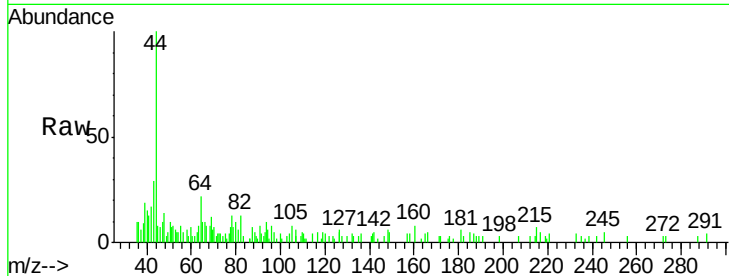
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 14.4 25.0 37.6#



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Tgt Ion: 84 Resp: 1478

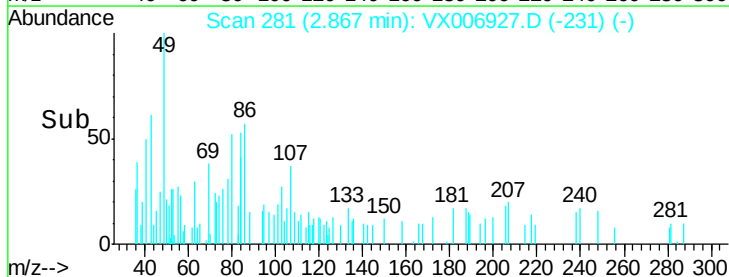
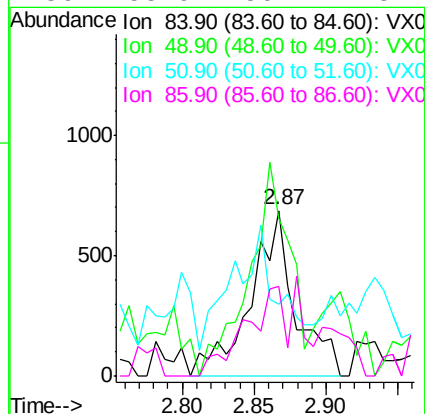
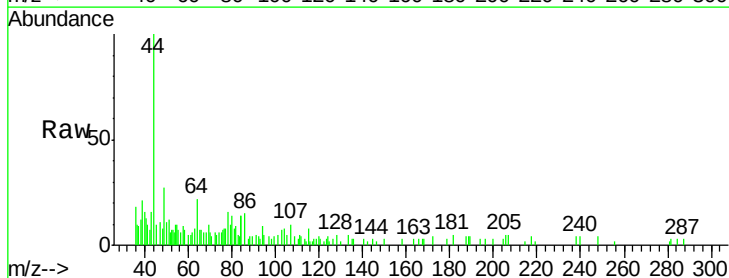
Ion Ratio Lower Upper

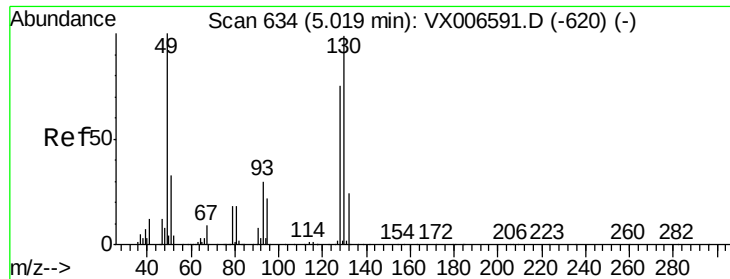
84 100

49 72.7 91.8 137.6#

51 7.3 28.5 42.7#

86 53.9 50.2 75.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

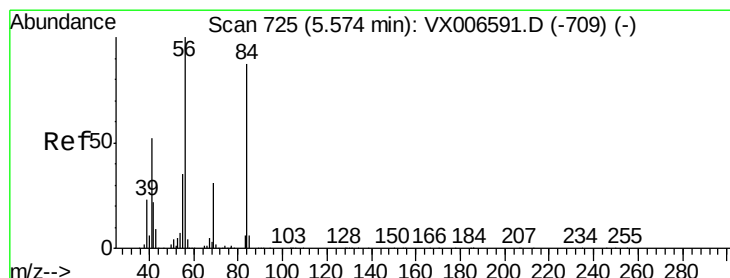
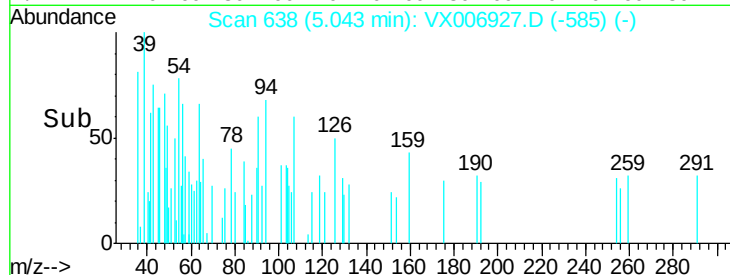
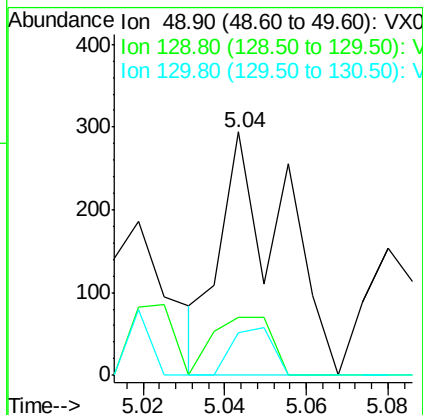
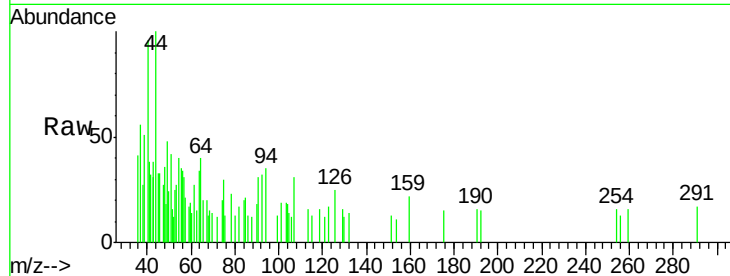
Delta R.T. 0.02 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 317
Ion Ratio Lower Upper
49 100
129 22.4 0.0 5.4#
130 12.6 77.7 116.5#



#31

Cyclohexane

Concen: 1.097 ug/l

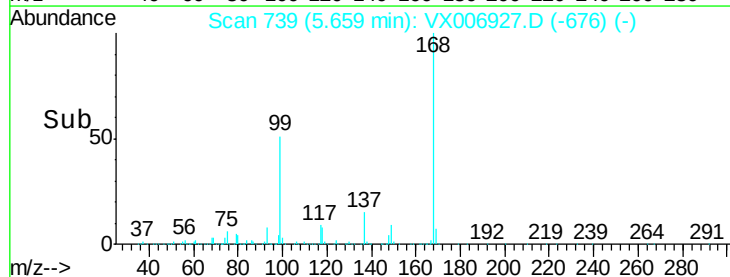
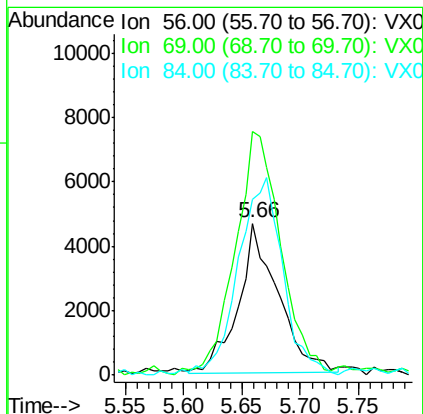
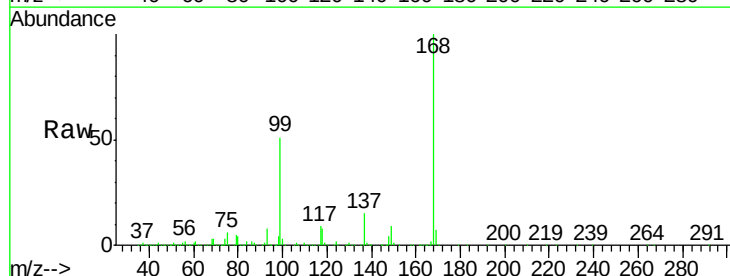
RT: 5.66 min Scan# 739

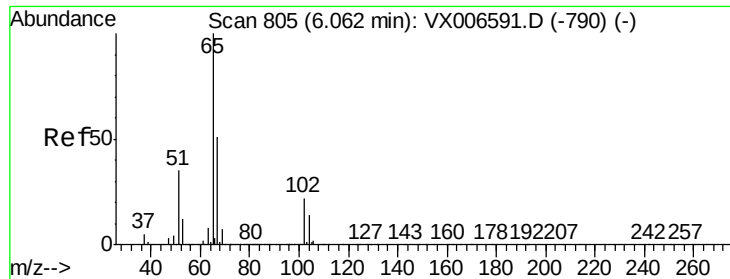
Delta R.T. 0.09 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Tgt Ion: 56 Resp: 11111
Ion Ratio Lower Upper
56 100
69 161.2 24.4 36.6#
84 119.3 70.0 105.0#

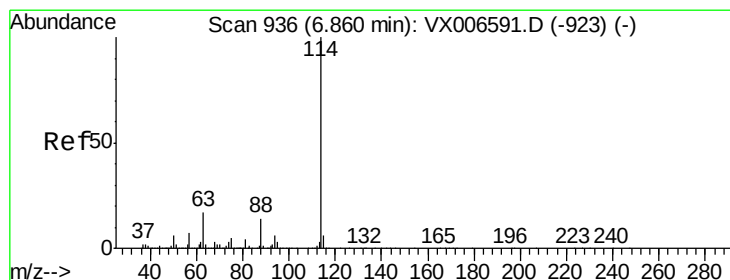
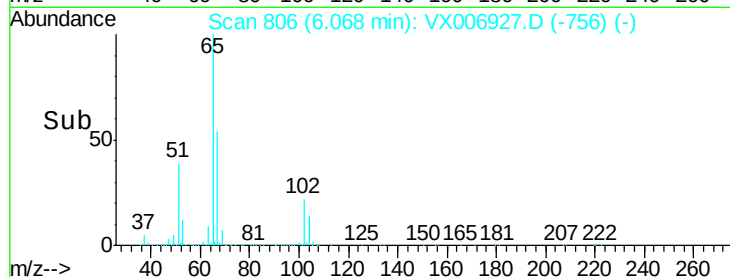
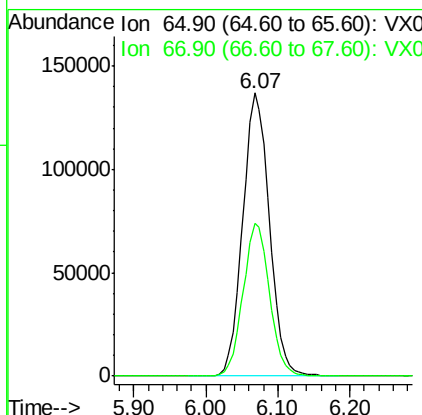
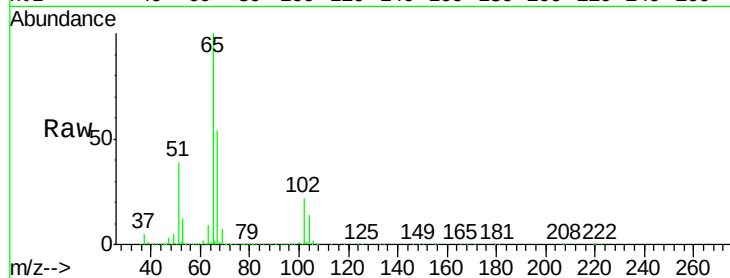




#33
 1,2-Dichloroethane-d4
 Concen: 48.191 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006927.D
 Acq: 07 Jan 2019 11:29

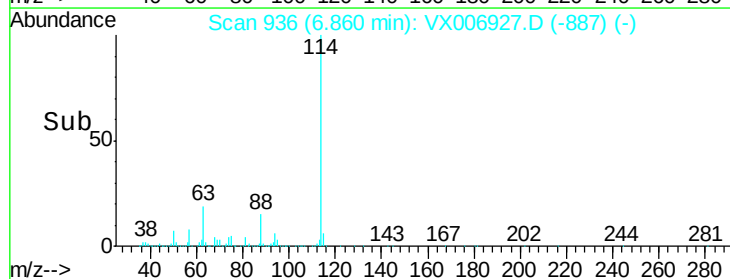
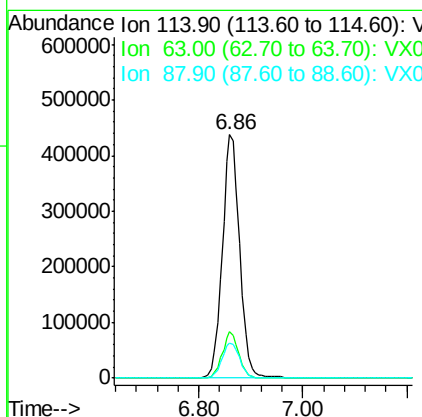
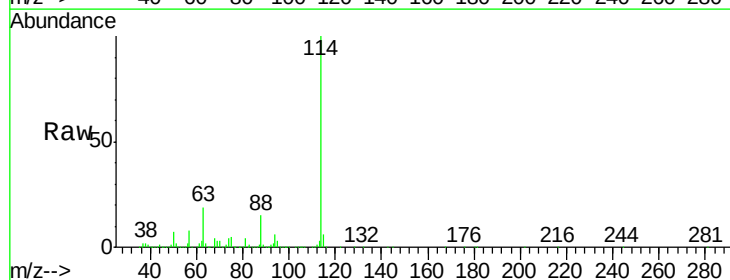
Instrument :
 MSVOA_X
 ClientSampleId :

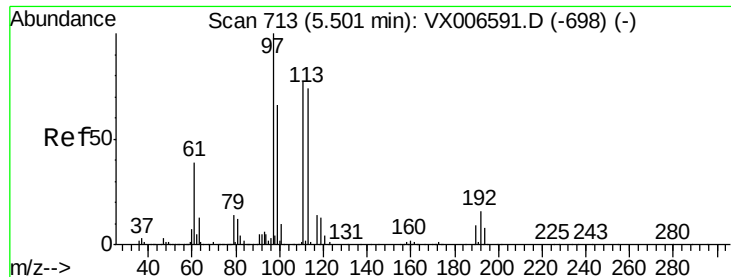
Tot Ion: 65 Resp: 352543
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006927.D
 Acq: 07 Jan 2019 11:29

Tgt Ion: 114 Resp: 1026562
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.8
 88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.433 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :
MSVOA_X
ClientSampleId :

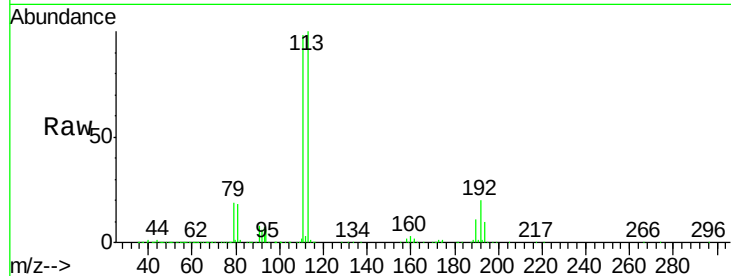
Tot Ion:113 Resp: 314416

Ion Ratio Lower Upper

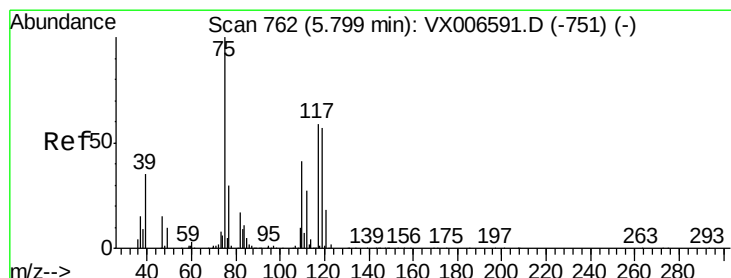
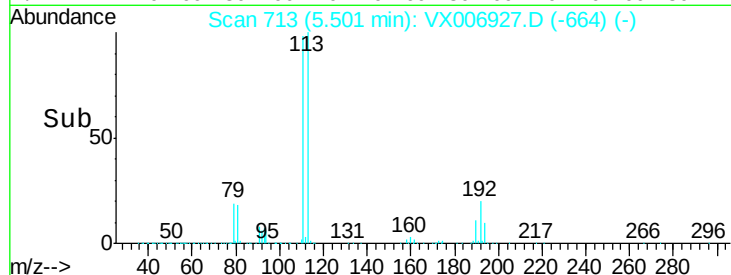
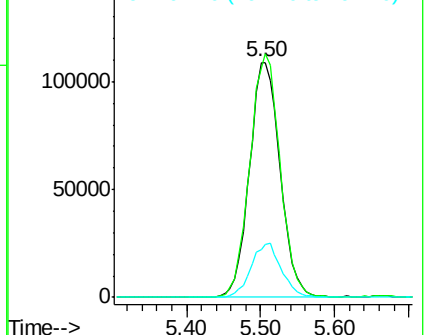
113 100

111 102.5 81.6 122.4

192 22.8 16.7 25.1



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



#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

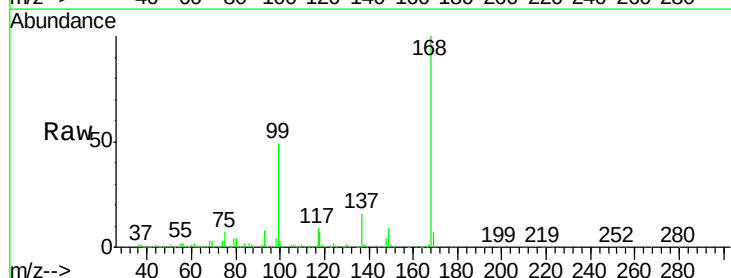
Tgt Ion: 75 Resp: 41763

Ion Ratio Lower Upper

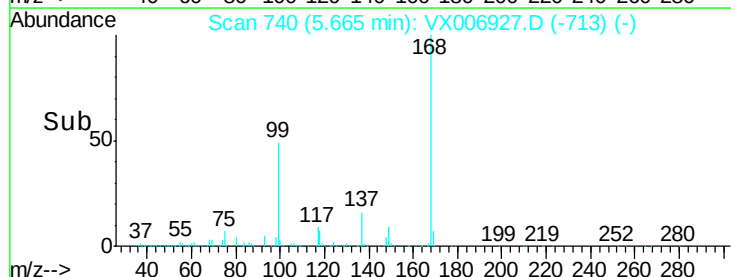
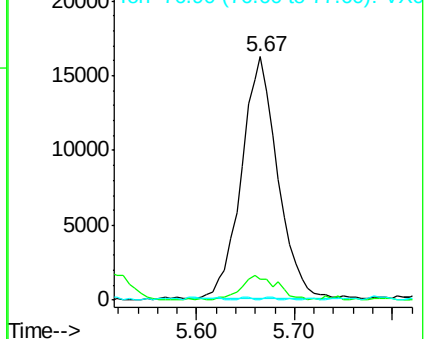
75 100

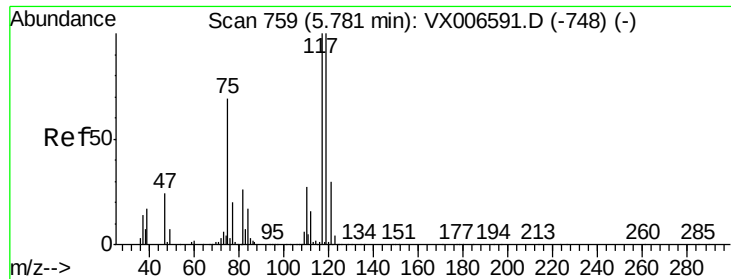
110 10.2 20.2 60.5#

77 0.5 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 7.403 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :
MSVOA_X
ClientSampled :

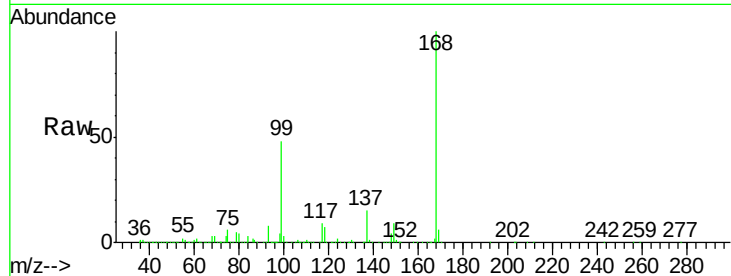
Tot Ion:117 Resp: 61169

Ion Ratio Lower Upper

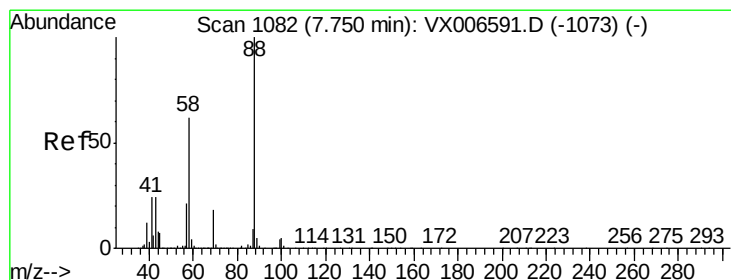
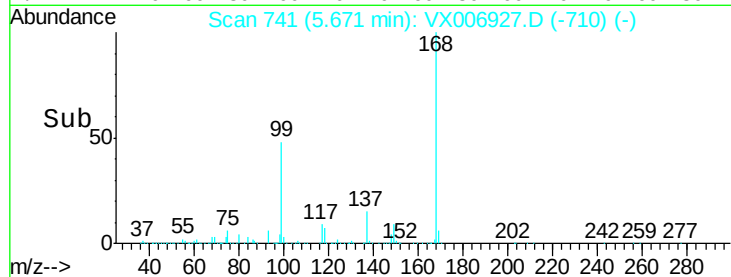
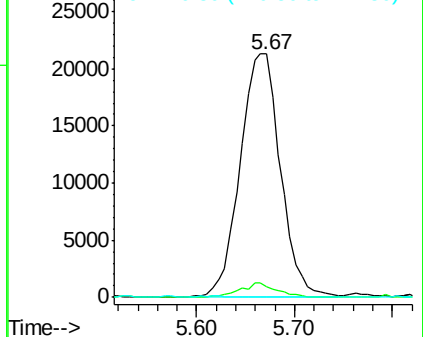
117 100

119 4.5 79.4 119.2#

121 0.6 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

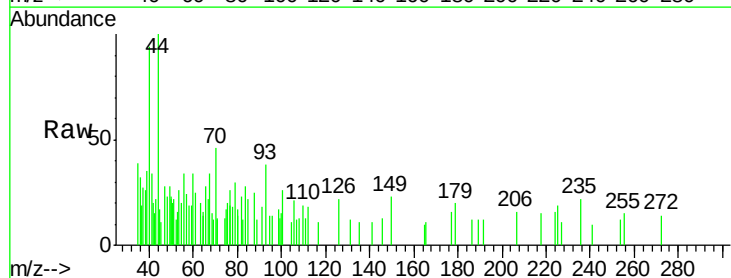
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

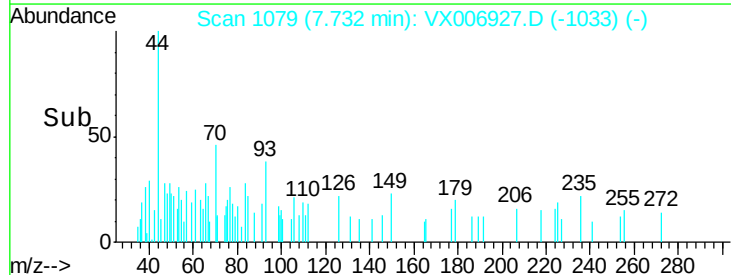
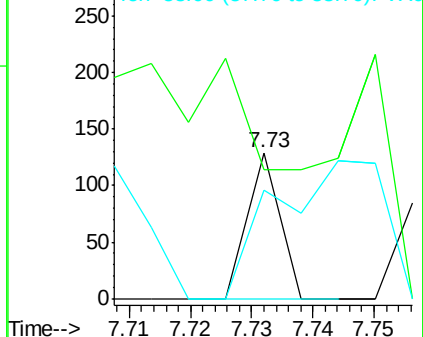
88 100

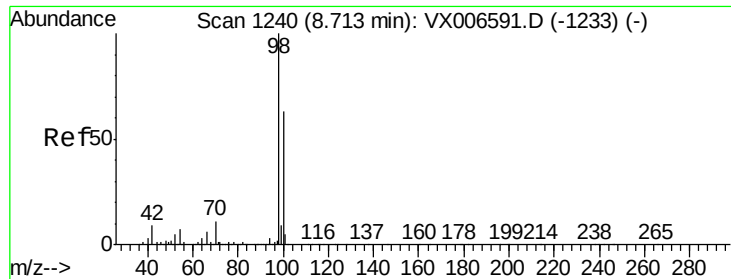
43 0.0 22.2 33.4#

58 321.3 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

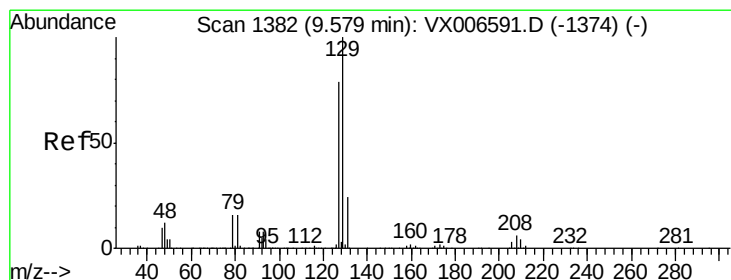
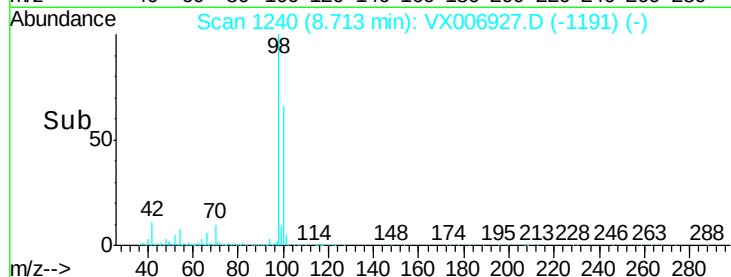
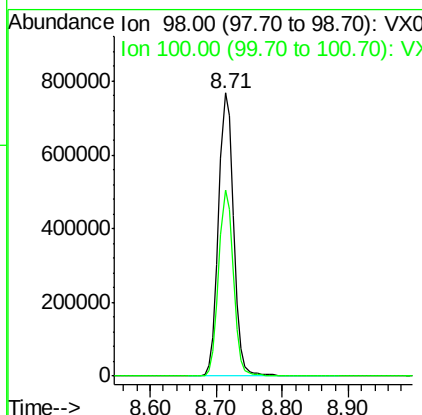
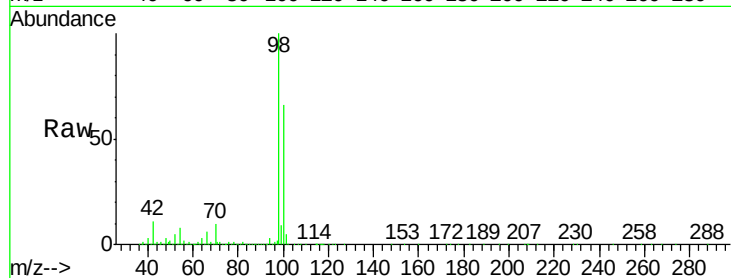




#50
Toluene-d8
Concen: 49.351 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006927.D
Acq: 07 Jan 2019 11:29

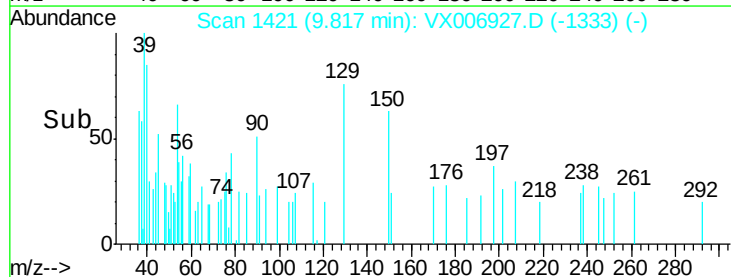
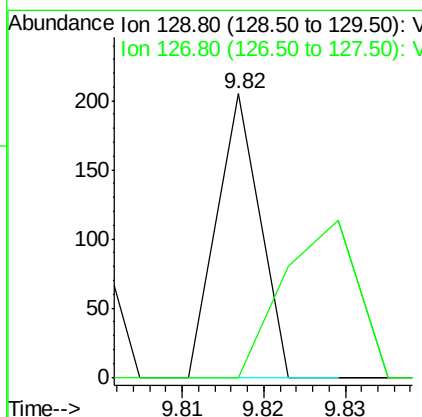
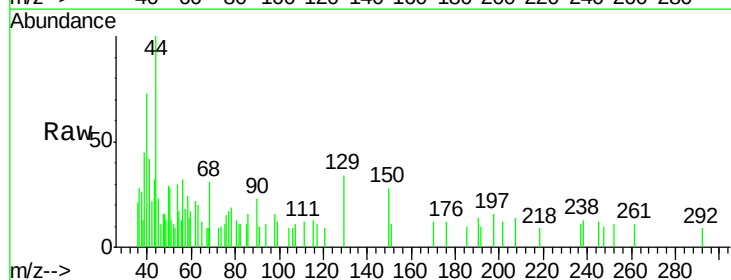
Instrument :
MSVOA_X
ClientSampled :

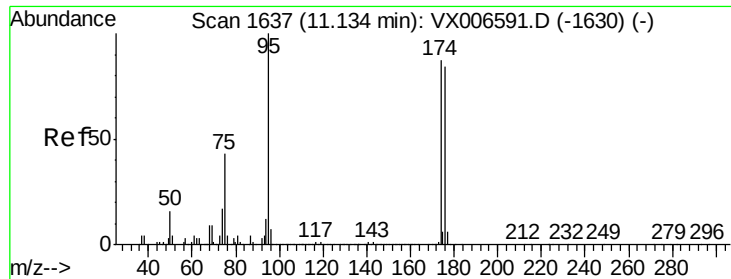
Tot Ion: 98 Resp: 1207839
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#60
Dibromochloromethane
Concen: 2.334 ug/l
RT: 9.82 min Scan# 1421
Delta R.T. 0.24 min
Lab File: VX006927.D
Acq: 07 Jan 2019 11:29

Tgt Ion: 129 Resp: 75
Ion Ratio Lower Upper
129 100
127 94.7 39.3 117.8





#62

4-Bromofluorobenzene

Concen: 48.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

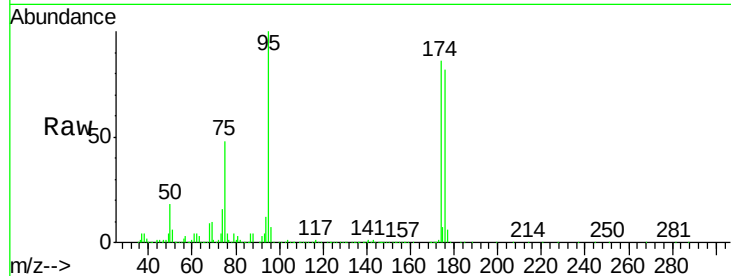
Tot Ion: 95 Resp: 435335

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

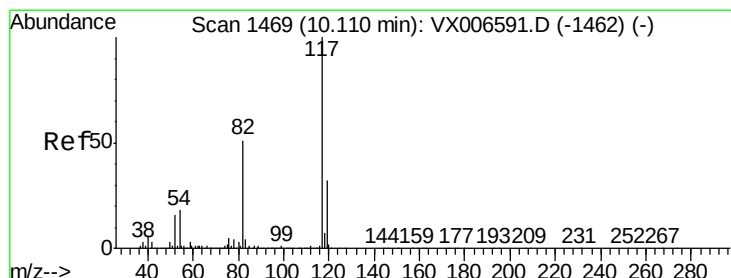
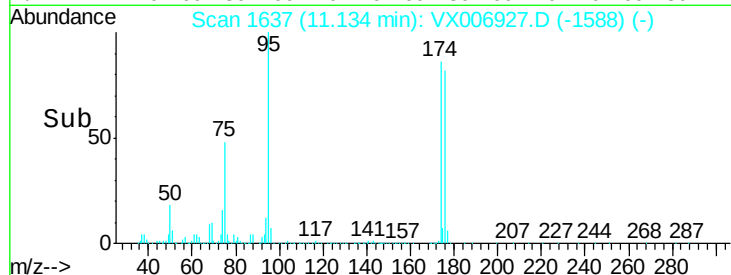
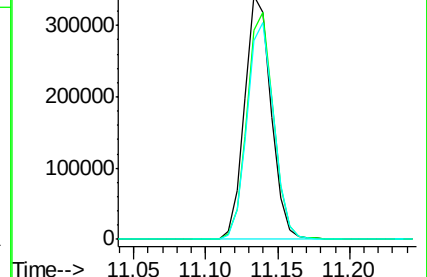
176 90.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

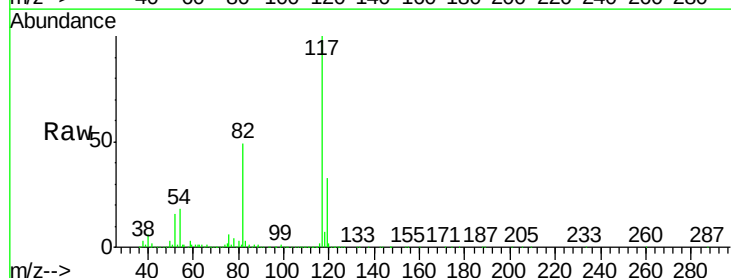
Tgt Ion: 117 Resp: 946195

Ion Ratio Lower Upper

117 100

82 49.3 41.0 61.6

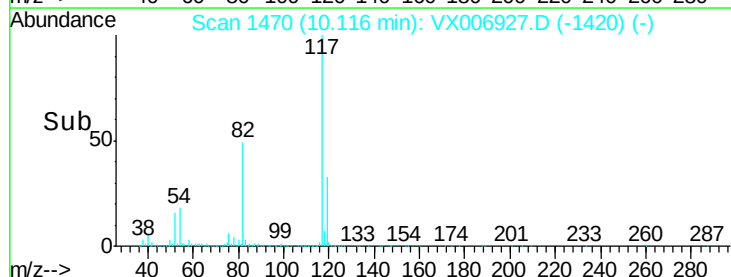
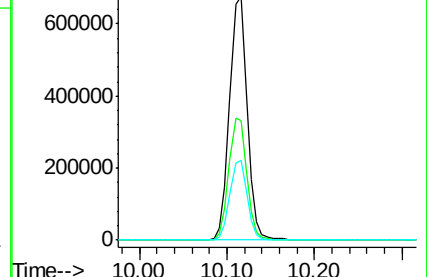
119 32.7 25.4 38.0

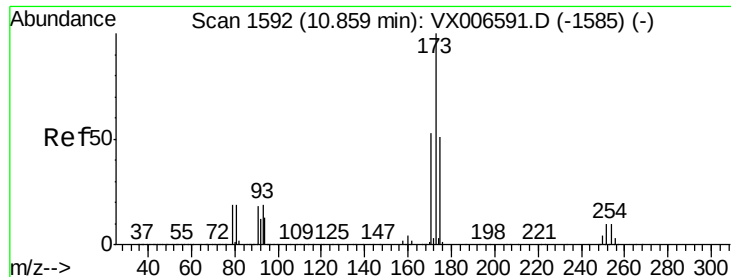


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)





#71

Bromoform

Concen: 4.480 ug/l

RT: 11.05 min Scan# 1623

Delta R.T. 0.19 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

ClientSampled :

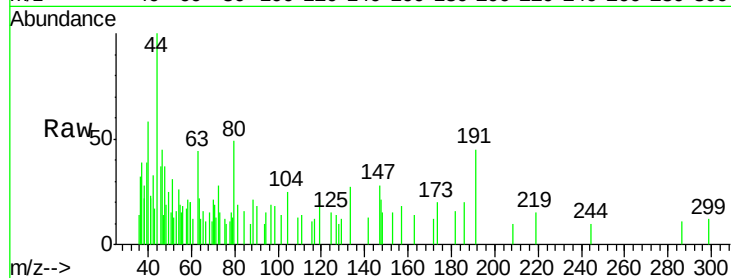
Tot Ion:173 Resp: 123

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

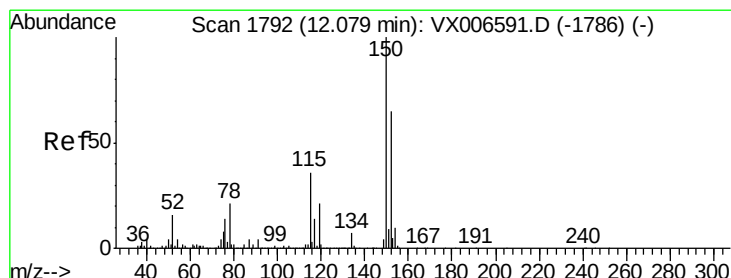
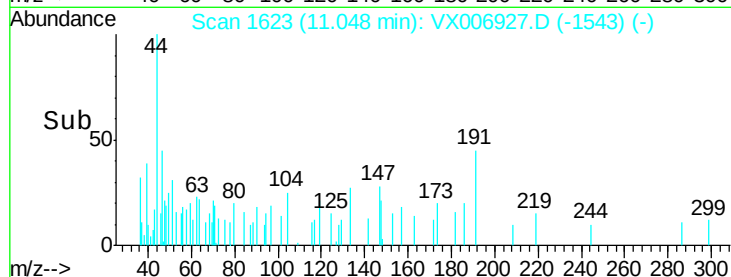
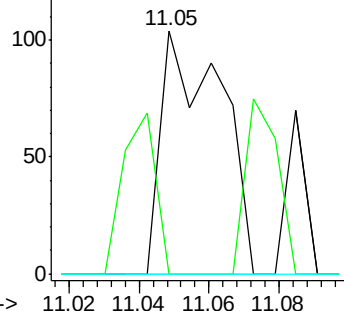
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006927.D

Acq: 07 Jan 2019 11:29

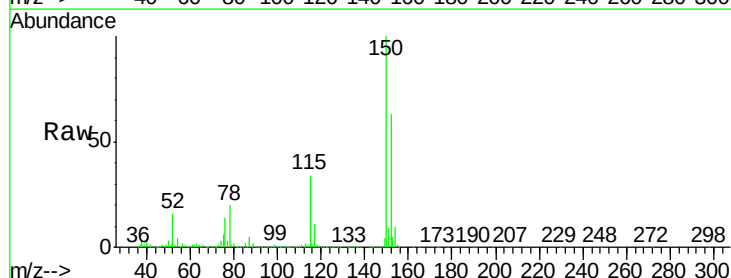
Tgt Ion:152 Resp: 463006

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.2

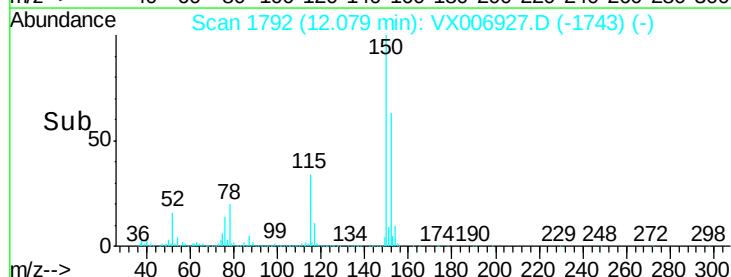
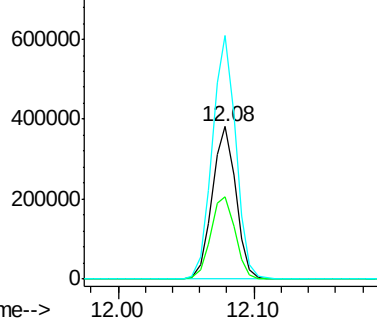
150 158.4 0.0 344.8

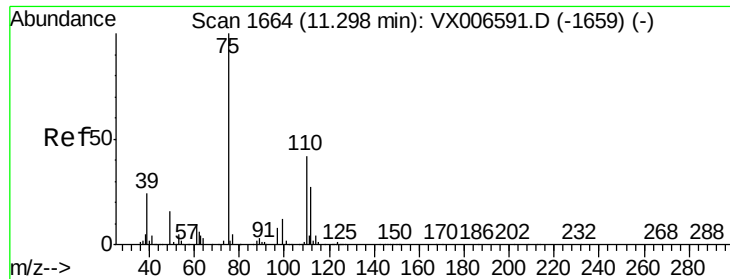


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.093 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

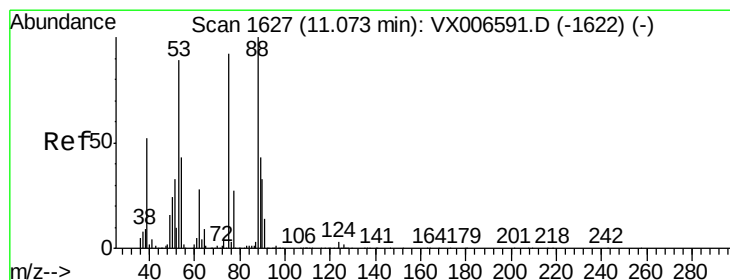
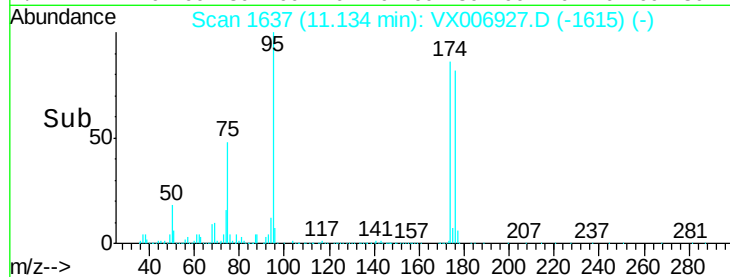
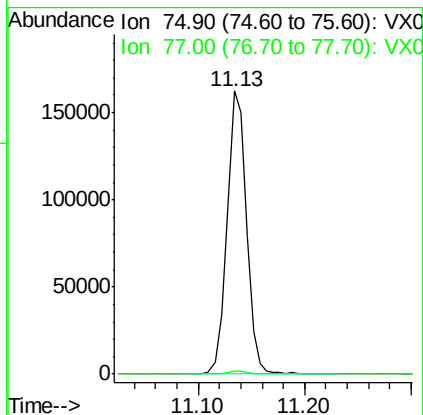
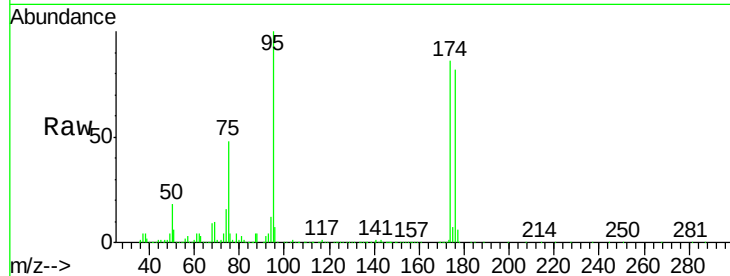
ClientSampleId :

Tot Ion: 75 Resp: 207311

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.348 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

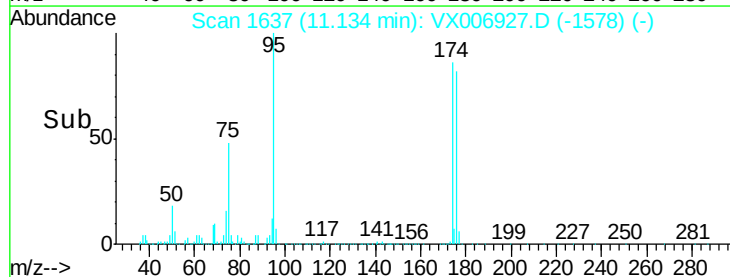
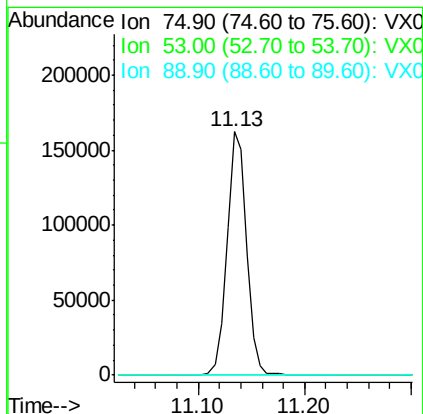
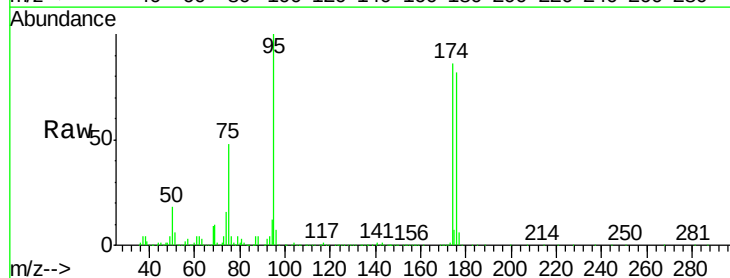
Tgt Ion: 75 Resp: 207311

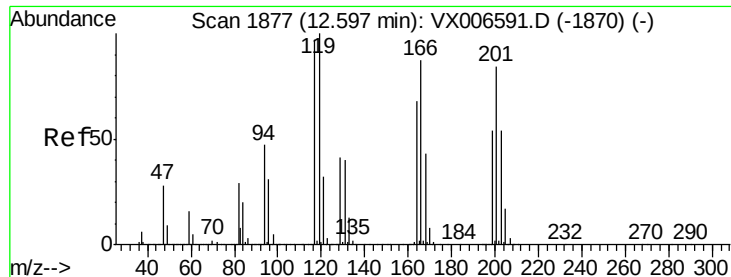
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.316 ug/l

RT: 12.64 min Scan# 1884

Delta R.T. 0.04 min

Lab File: VX006927.D

Acq: 07 Jan 2019 11:29

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 107

Ion Ratio Lower Upper

117 100

201 49.5 42.9 128.7

