

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008705.D
 Acq On : 06 Apr 2019 00:22
 Operator : JC/SP
 Sample : K2296-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0699

Quant Time: Apr 06 01:31:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129188	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	145225	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	
35) Dibromofluoromethane	5.50	113	106001	47.59	ug/l	0.00
Spiked Amount						
			Recovery	=	95.18%	
50) Toluene-d8	8.71	98	438907	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	148812	47.31	ug/l	0.00
Spiked Amount						
			Recovery	=	94.62%	

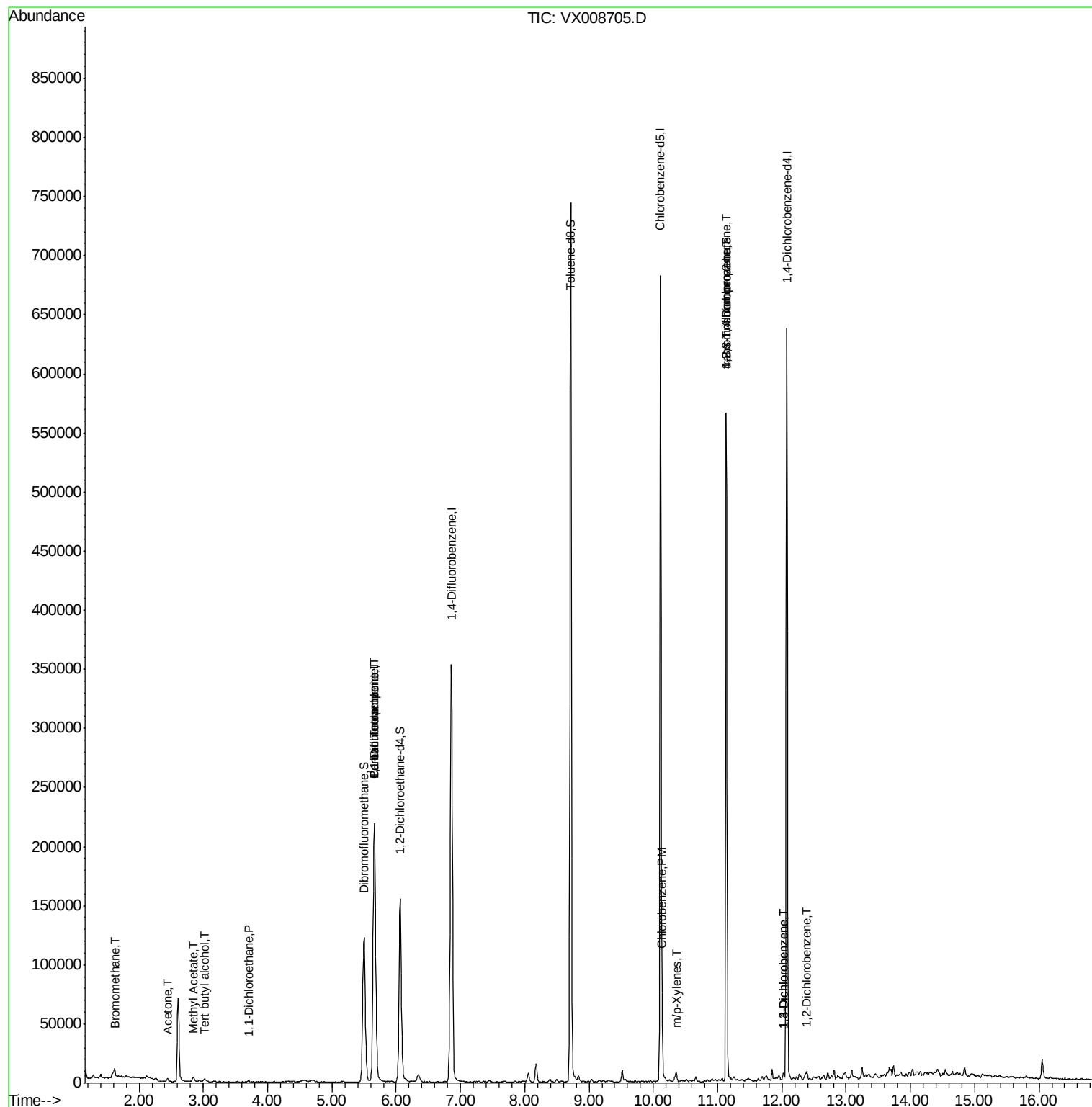
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	419	Below Cal	#	46
5) Bromomethane	1.64	94	171	1.987	ug/l	99
6) Chloroethane	1.68	64	1809	Below Cal	#	65
11) Tert butyl alcohol	3.02	59	2026	2.823	ug/l #	84
16) Acetone	2.44	43	2577	1.459	ug/l	100
17) Carbon Disulfide	2.57	76	584	Below Cal	#	75
18) Methyl Acetate	2.84	43	2217	0.518	ug/l #	56
24) 1,1-Dichloroethane	3.70	63	1208	0.228	ug/l #	85
28) Bromochloromethane	5.04	49	20	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	16906	4.439	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19935	6.324	ug/l #	17
65) Chlorobenzene	10.14	112	15439	2.305	ug/l	94
68) m/p-Xylenes	10.36	106	1164	0.259	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	76088	21.440	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	76088	59.100	ug/l #	9
87) 1,3-Dichlorobenzene	12.02	146	981	0.213	ug/l	82
88) 1,4-Dichlorobenzene	12.02	146	981	0.210	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	1385	0.303	ug/l	90

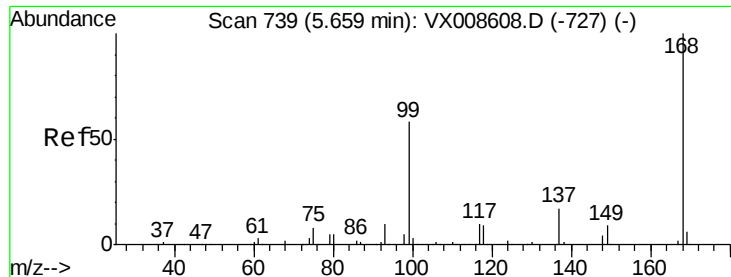
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

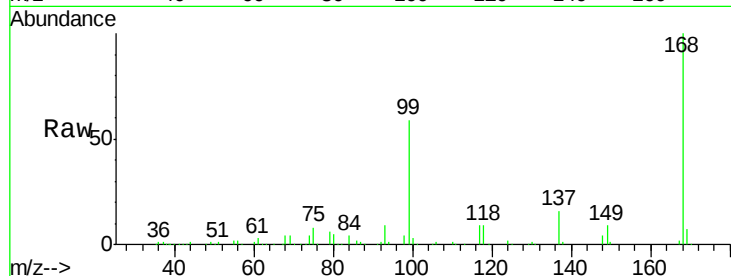
S8-0699

Tot Ion:168 Resp: 210208

Ion Ratio Lower Upper

168 100

99 58.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

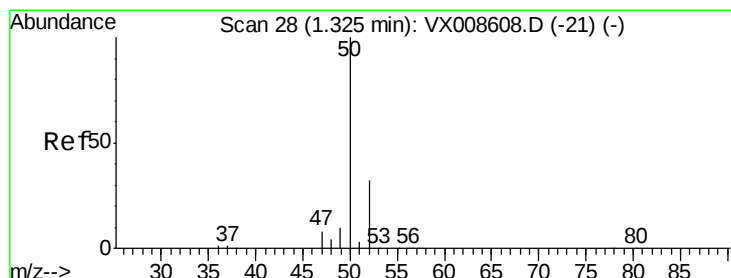
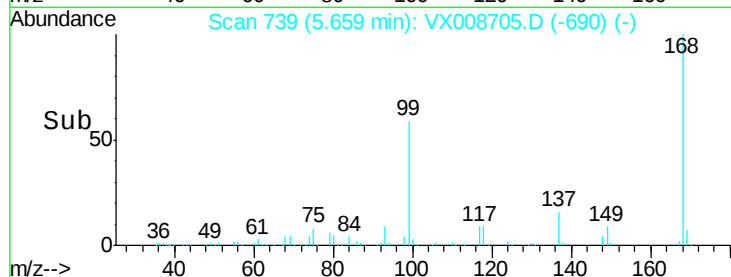
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008705.D

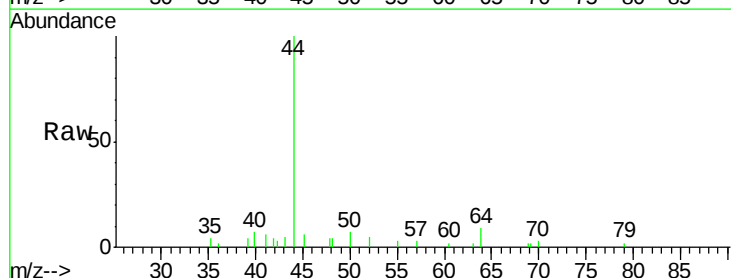
Acq: 06 Apr 2019 00:22

Tgt Ion: 50 Resp: 419

Ion Ratio Lower Upper

50 100

52 62.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

150

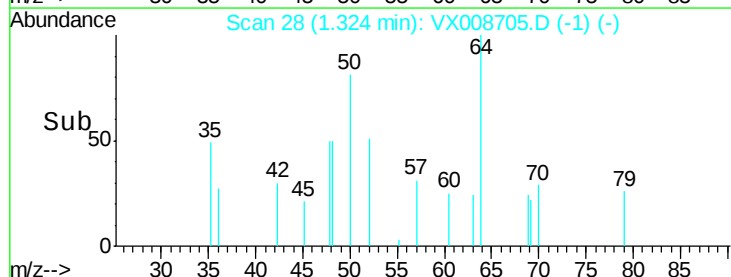
100

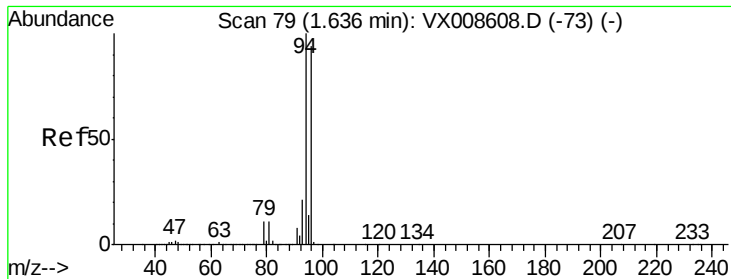
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 1.987 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

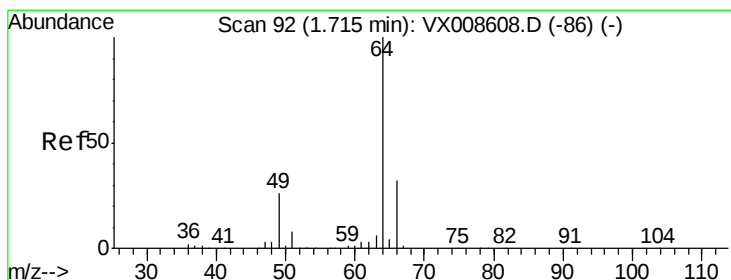
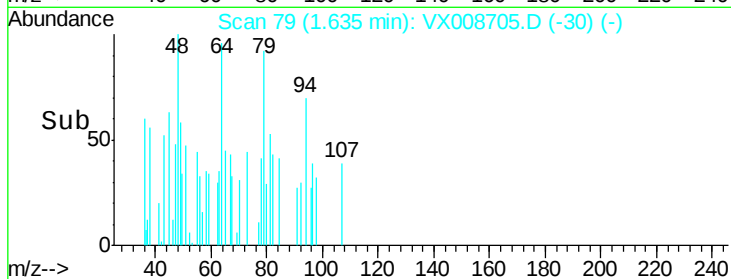
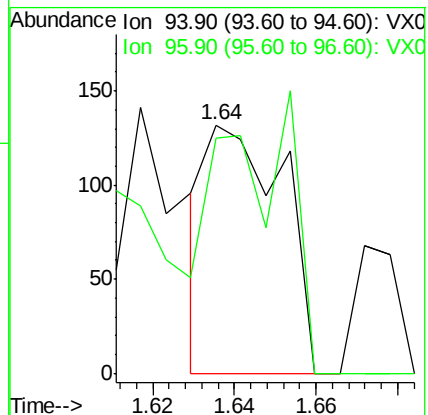
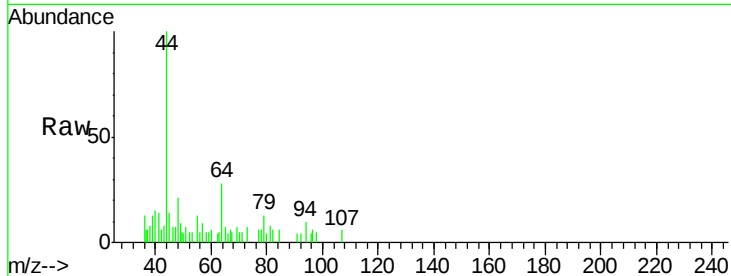
S8-0699

Tot Ion: 94 Resp: 171

Ion Ratio Lower Upper

94 100

96 94.7 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008705.D

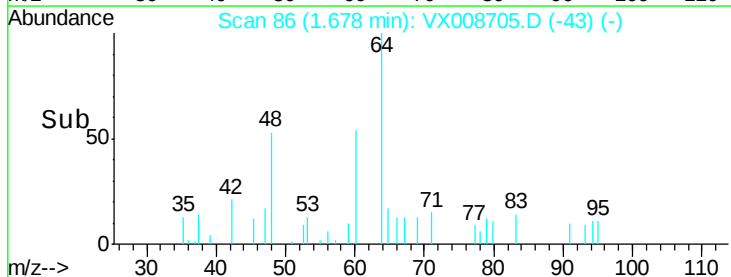
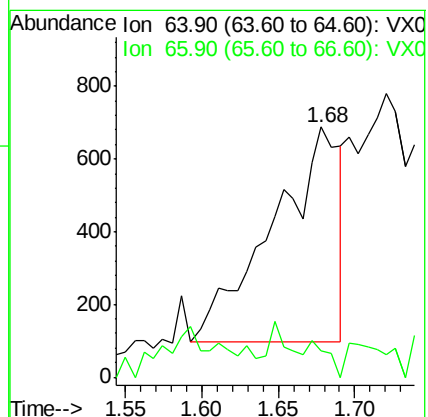
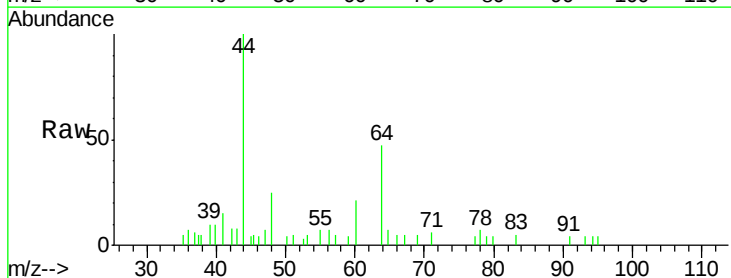
Acq: 06 Apr 2019 00:22

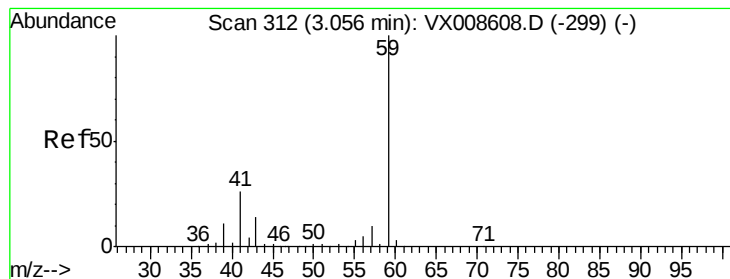
Tgt Ion: 64 Resp: 1809

Ion Ratio Lower Upper

64 100

66 12.2 25.4 38.0#



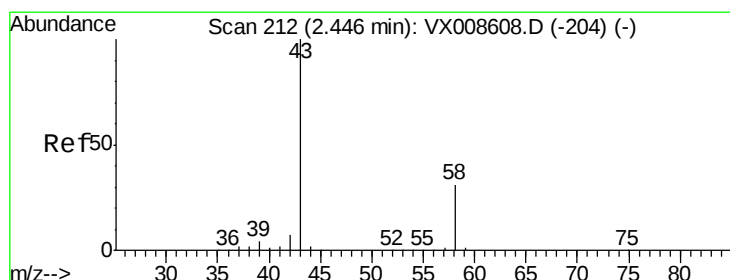
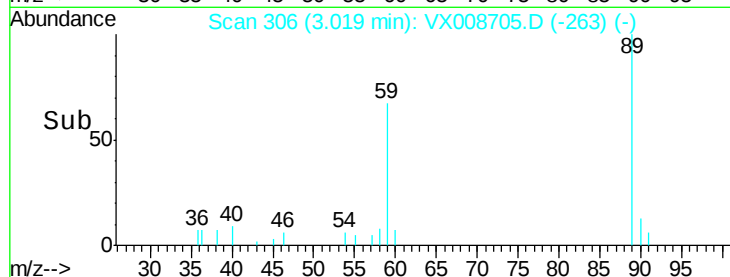
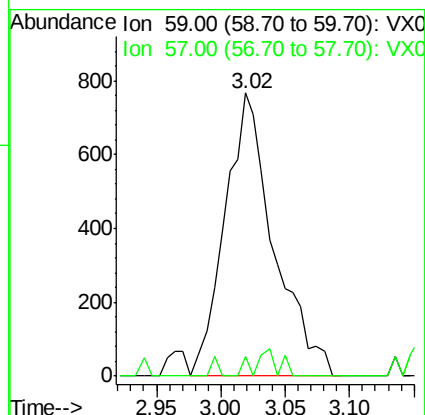
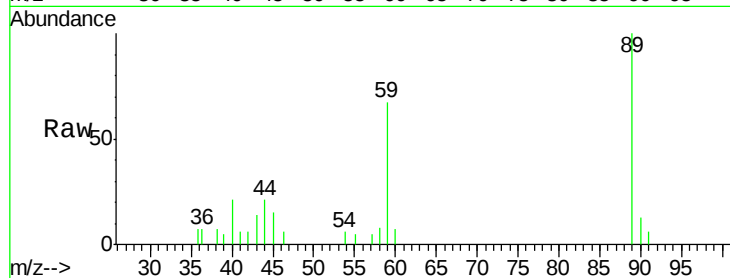


#11

Tert butyl alcohol
 Concen: 2.823 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008705.D
 Acq: 06 Apr 2019 00:22

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0699

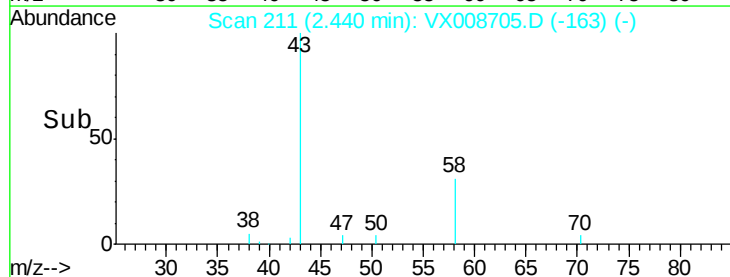
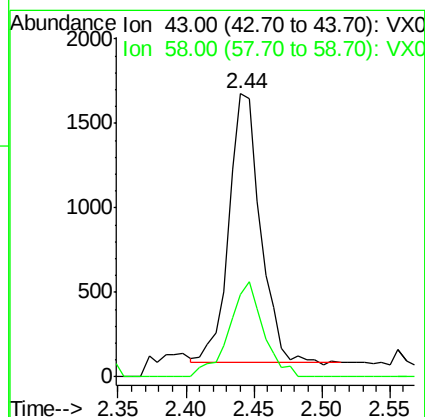
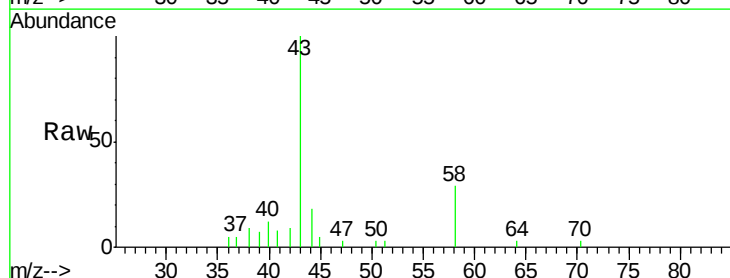
Tot Ion: 59 Resp: 2026
 Ion Ratio Lower Upper
 59 100
 57 4.4 8.3 12.5#

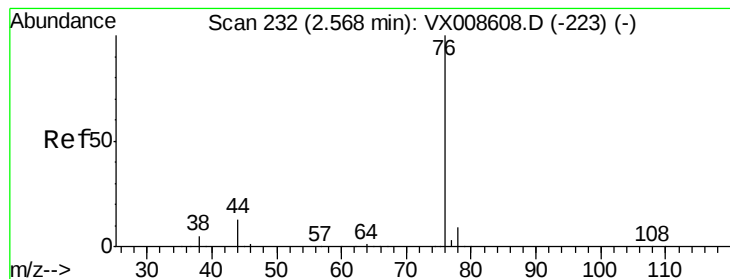


#16

Acetone
 Concen: 1.459 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008705.D
 Acq: 06 Apr 2019 00:22

Tgt Ion: 43 Resp: 2577
 Ion Ratio Lower Upper
 43 100
 58 30.8 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

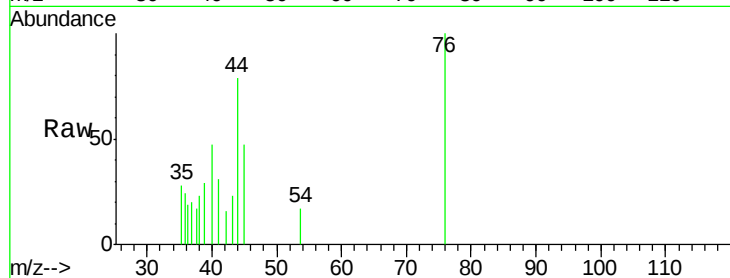
S8-0699

Tot Ion: 76 Resp: 584

Ion Ratio Lower Upper

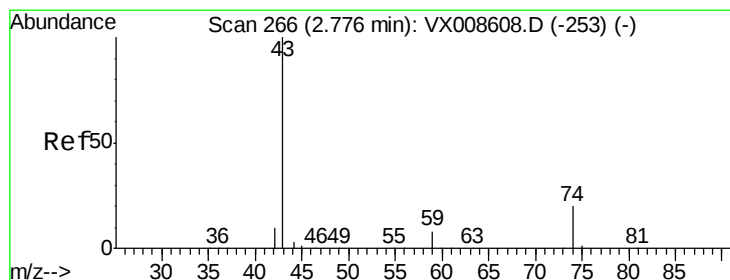
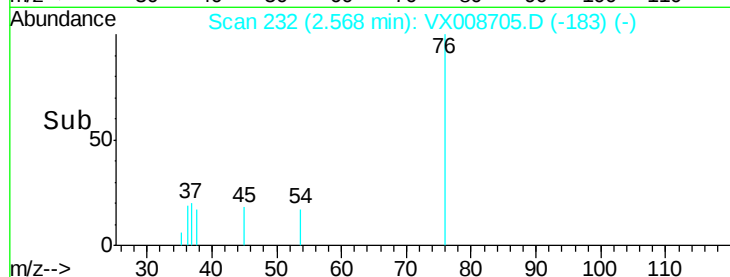
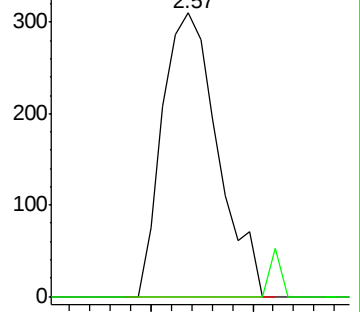
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.518 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX008705.D

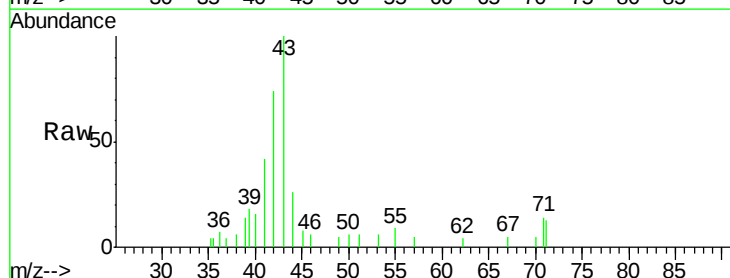
Acq: 06 Apr 2019 00:22

Tgt Ion: 43 Resp: 2217

Ion Ratio Lower Upper

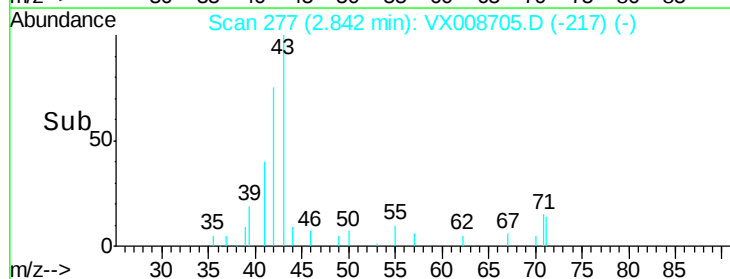
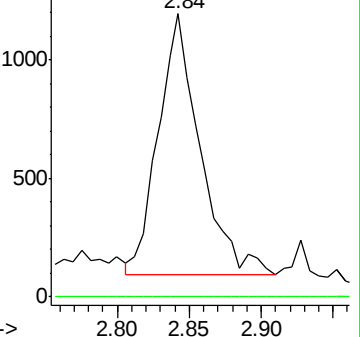
43 100

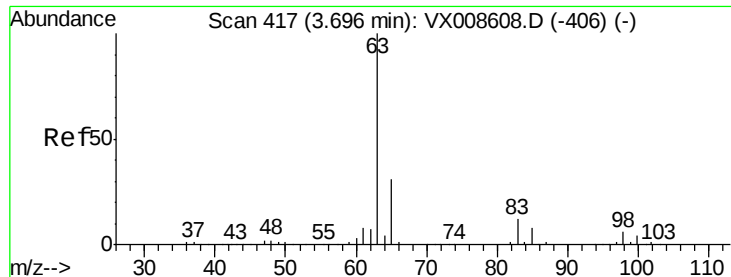
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#24

1,1-Dichloroethane

Concen: 0.228 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

S8-0699

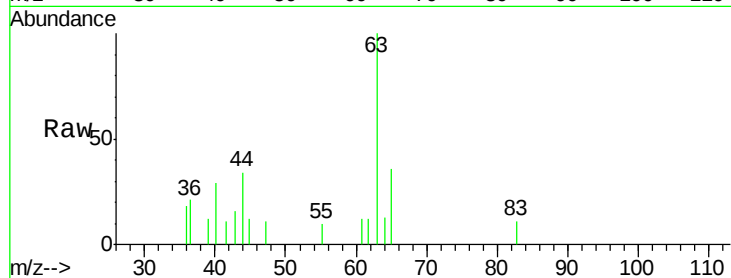
Tot Ion: 63 Resp: 1208

Ion Ratio Lower Upper

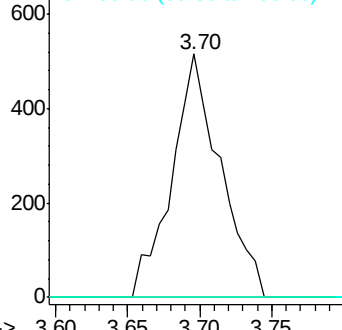
63 100

98 0.0 2.8 8.4#

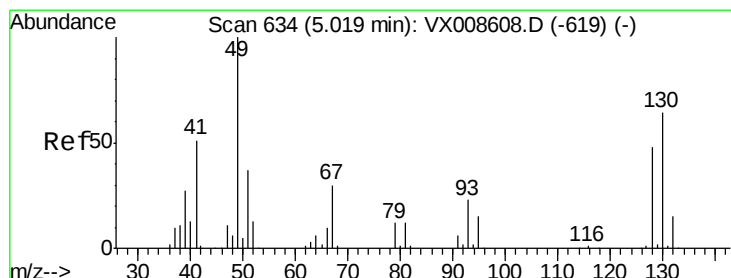
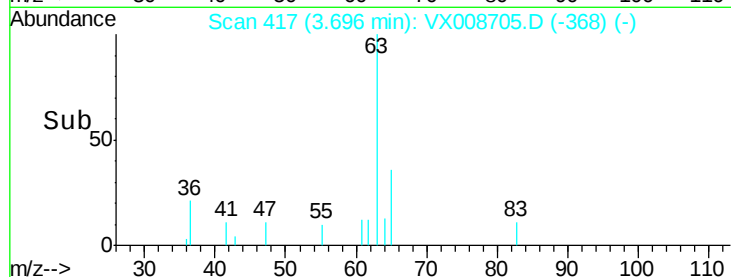
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

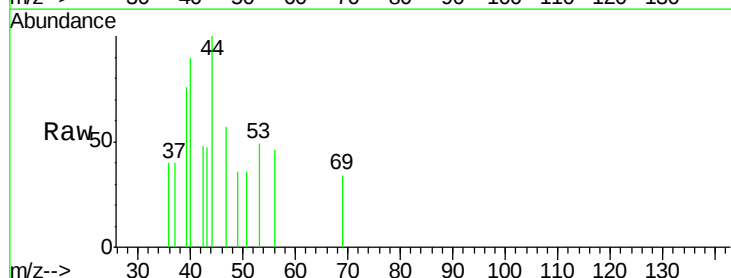
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

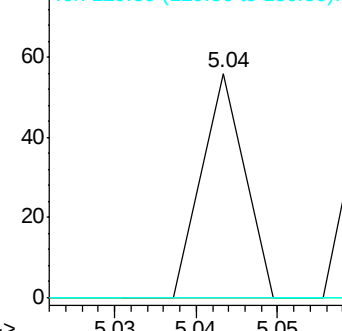
49 100

129 0.0 0.0 3.6

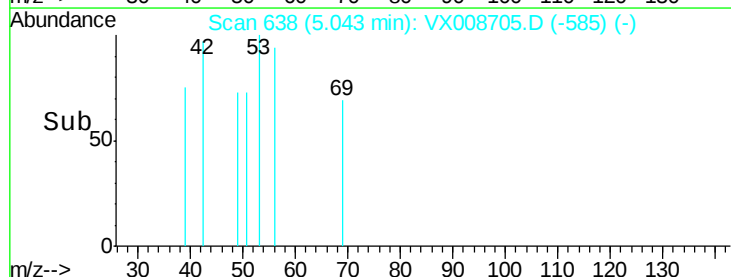
130 0.0 49.3 73.9#

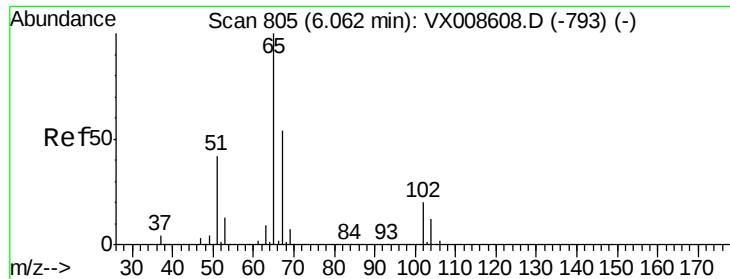


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.366 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

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ClientSampleId :

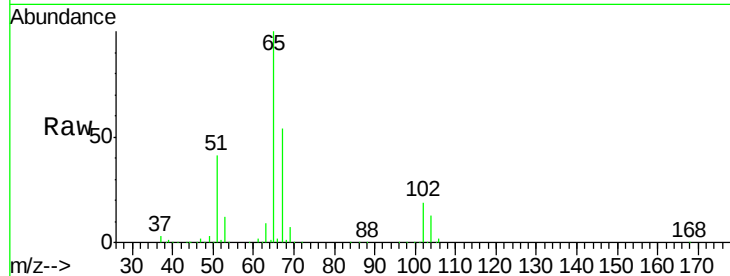
S8-0699

Tot Ion: 65 Resp: 145225

Ion Ratio Lower Upper

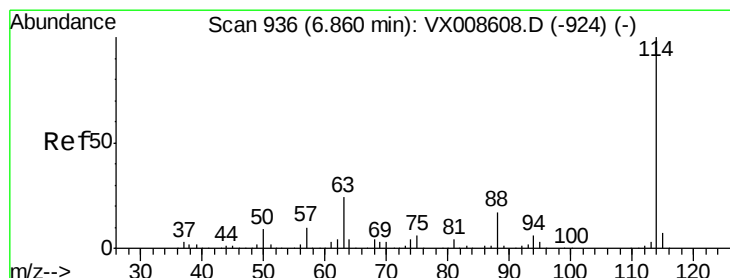
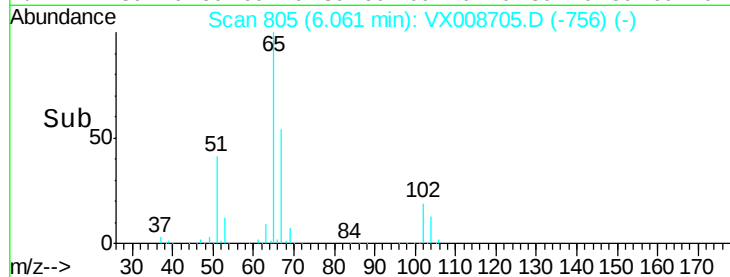
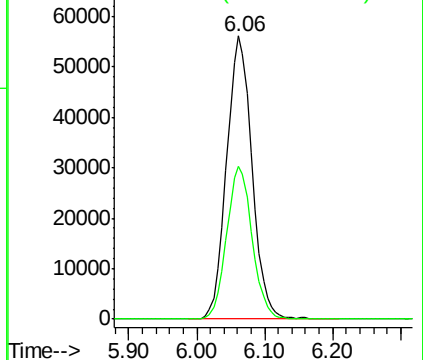
65 100

67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

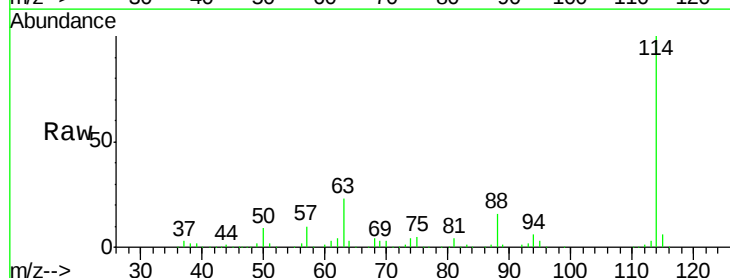
Tgt Ion: 114 Resp: 348406

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

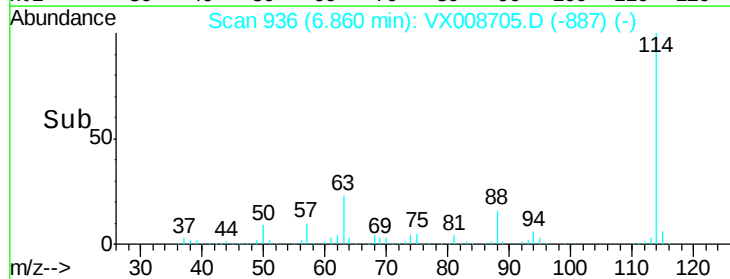
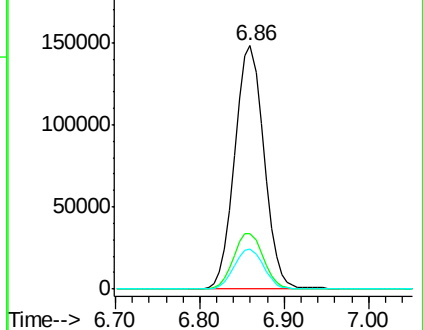
88 16.3 0.0 34.0

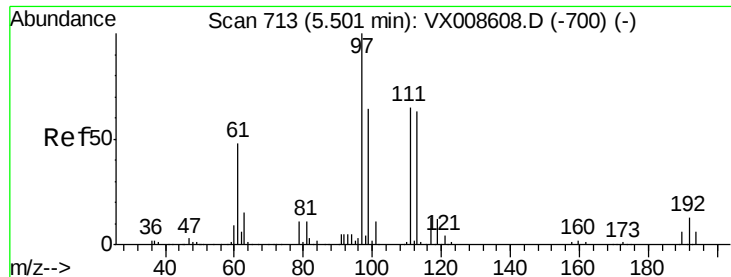


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.586 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

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ClientSampleId :

S8-0699

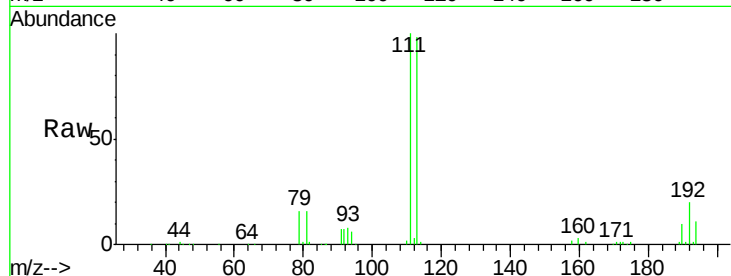
Tot Ion:113 Resp: 106001

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

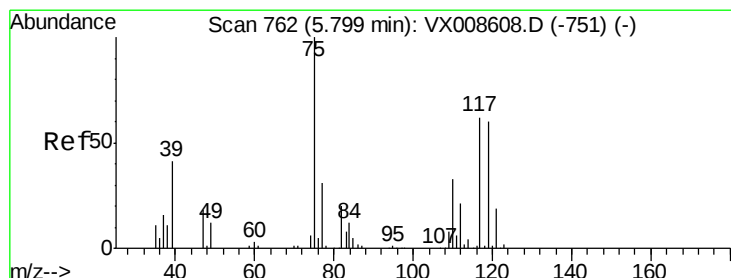
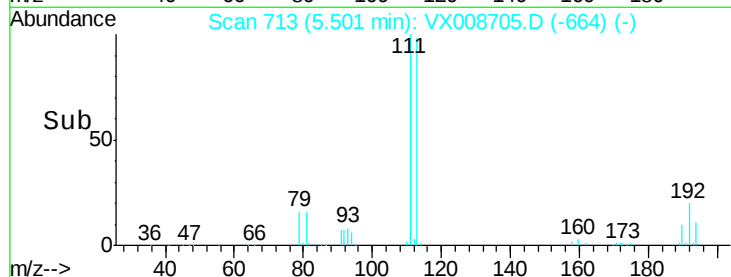
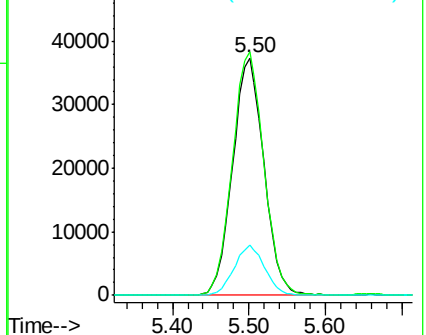
192 20.7 16.1 24.1



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: 4.439 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

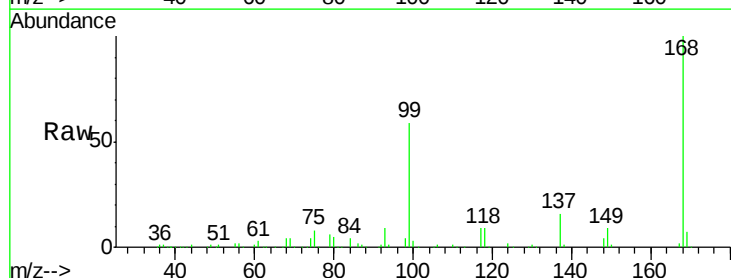
Tgt Ion: 75 Resp: 16906

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.2#

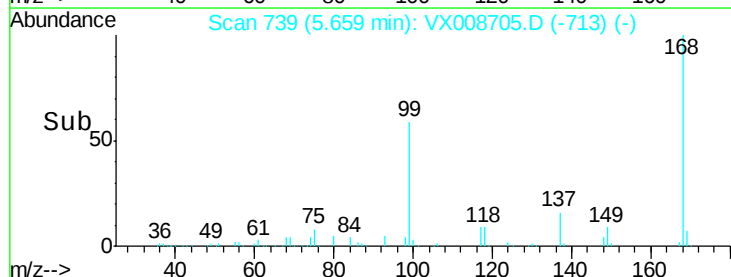
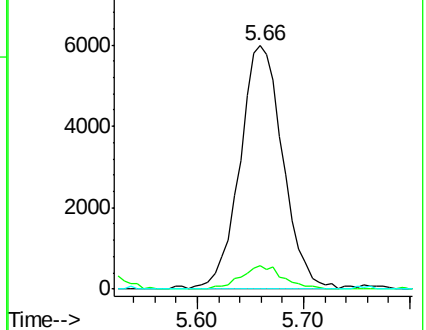
77 0.0 24.7 37.1#

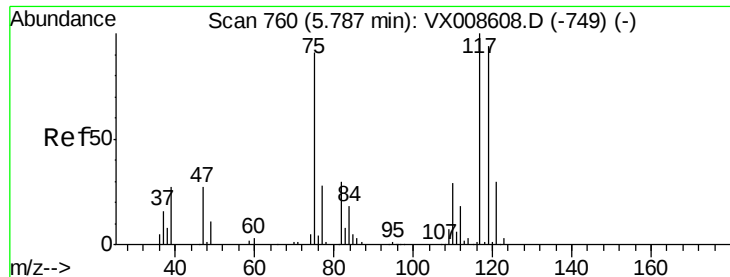


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.324 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

S8-0699

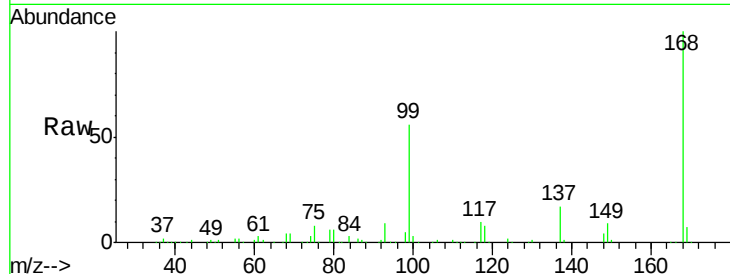
Tot Ion:117 Resp: 19935

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

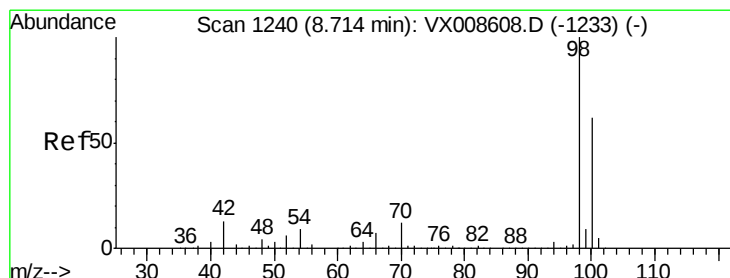
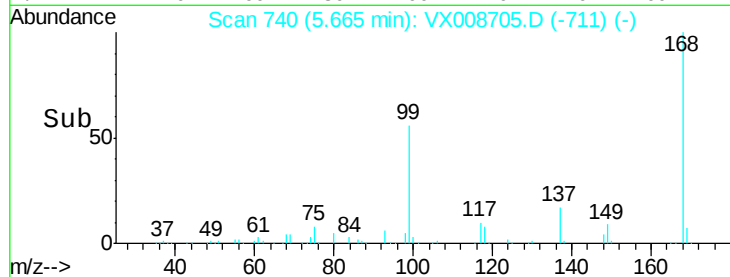
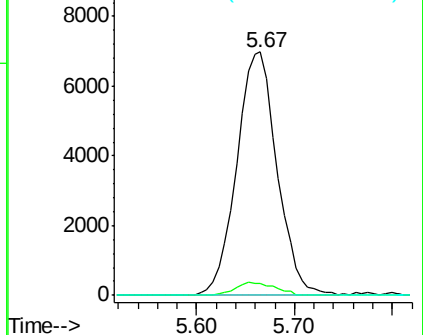
121 0.0 24.3 36.5#



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: 49.484 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008705.D

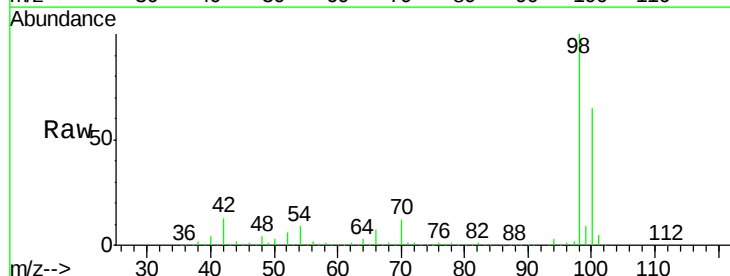
Acq: 06 Apr 2019 00:22

Tgt Ion: 98 Resp: 438907

Ion Ratio Lower Upper

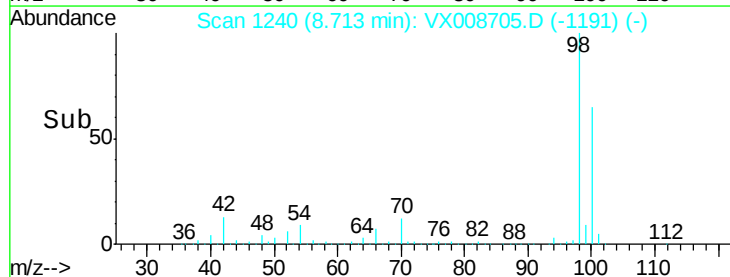
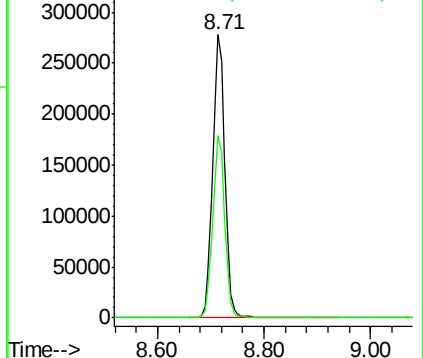
98 100

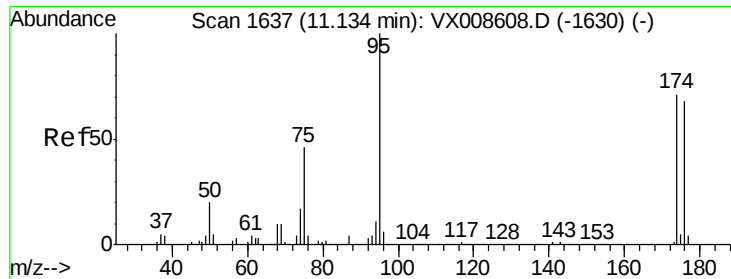
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.312 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

S8-0699

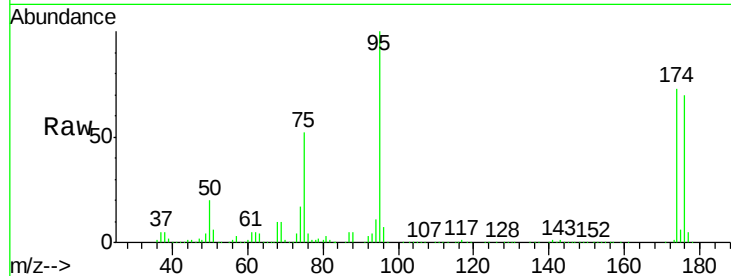
Tot Ion: 95 Resp: 148812

Ion Ratio Lower Upper

95 100

174 77.1 0.0 151.8

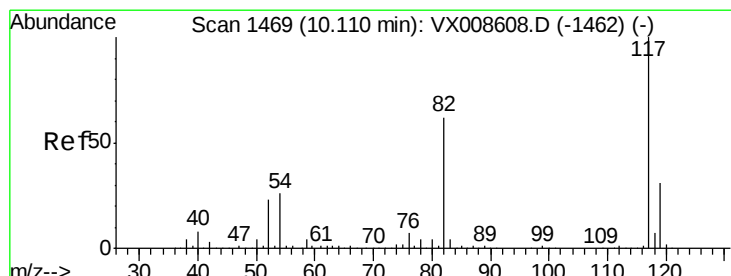
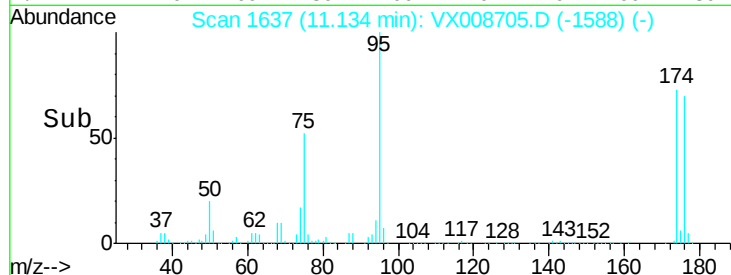
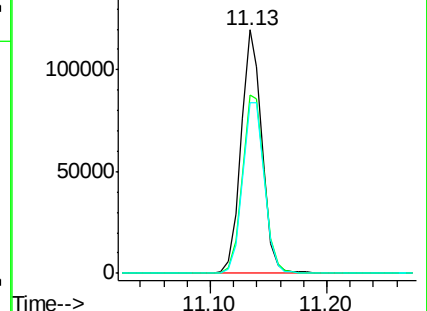
176 74.2 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

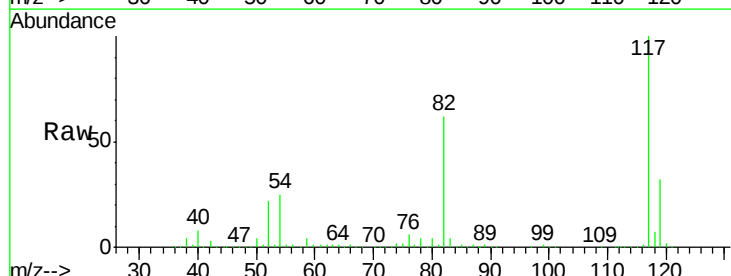
Tgt Ion: 117 Resp: 302216

Ion Ratio Lower Upper

117 100

82 61.6 49.6 74.4

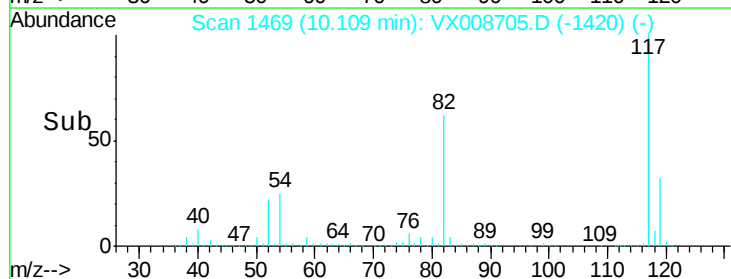
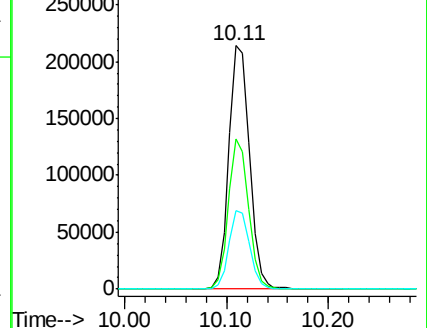
119 32.3 25.0 37.4

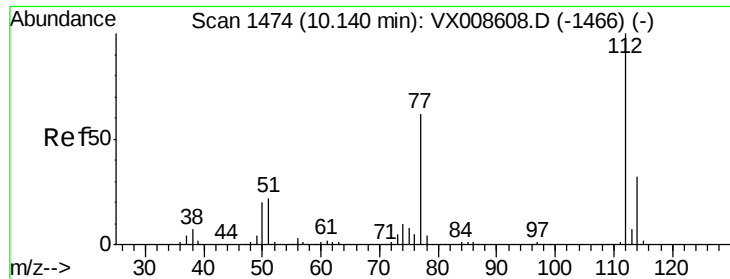


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)

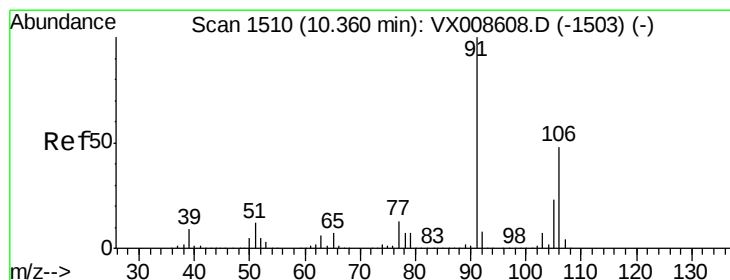
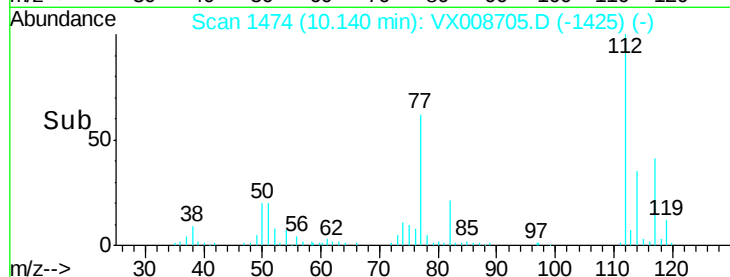
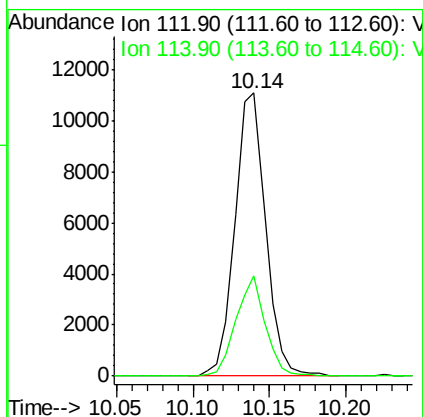
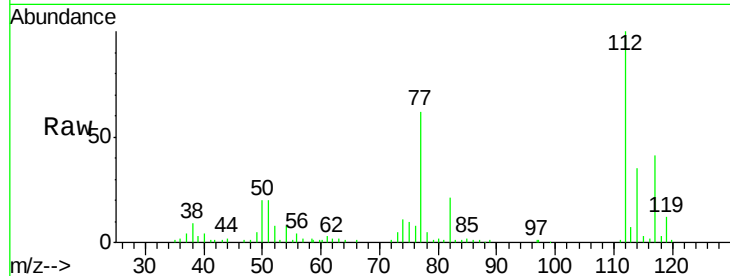




#65
Chlorobenzene
Concen: 2.305 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008705.D
Acq: 06 Apr 2019 00:22

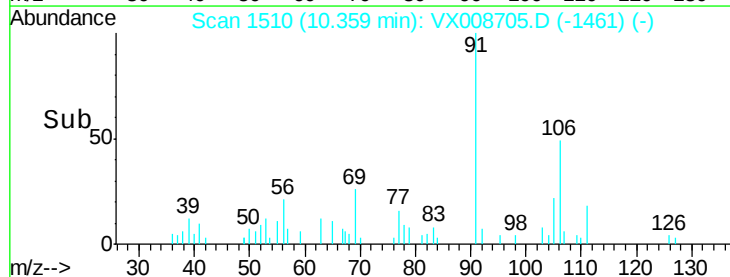
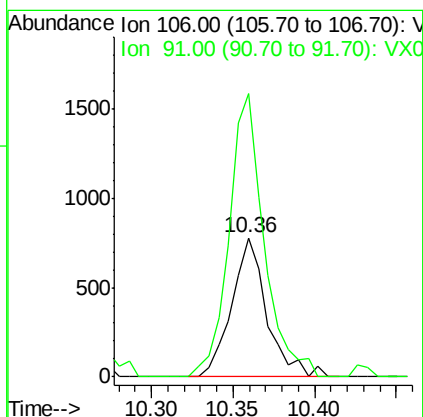
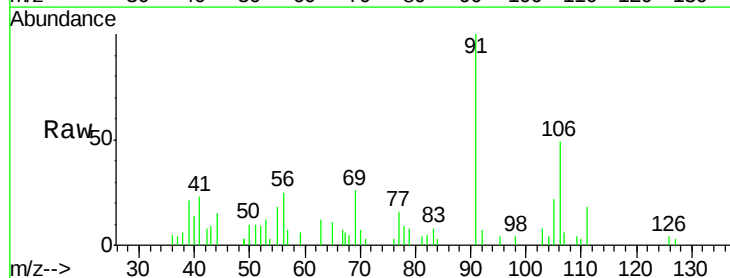
Instrument :
MSVOA_X
ClientSampled :
S8-0699

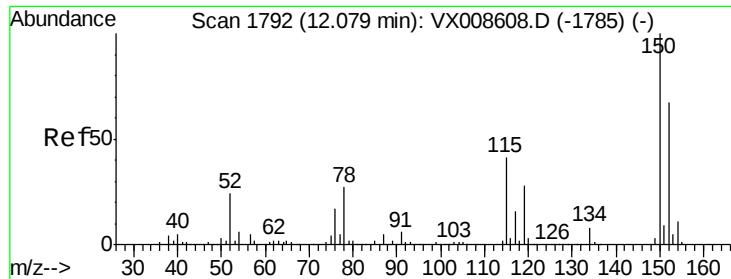
Tot Ion:112 Resp: 15439
Ion Ratio Lower Upper
112 100
114 35.5 25.8 38.8



#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008705.D
Acq: 06 Apr 2019 00:22

Tgt Ion:106 Resp: 1164
Ion Ratio Lower Upper
106 100
91 203.0 168.5 252.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampleId :

S8-0699

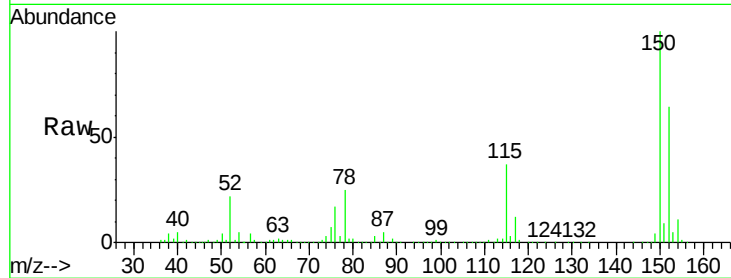
Tot Ion:152 Resp: 129188

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

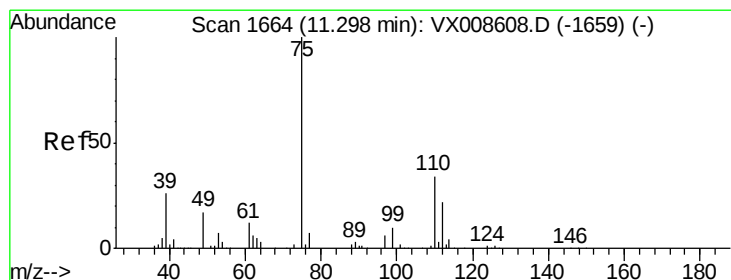
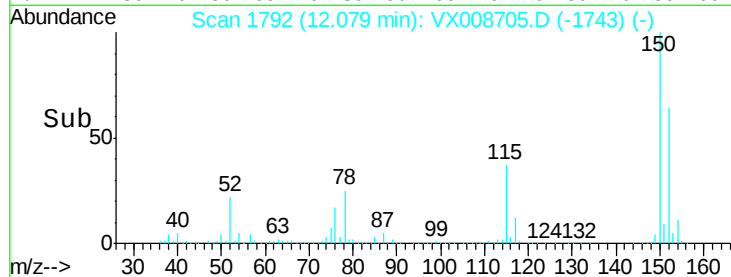
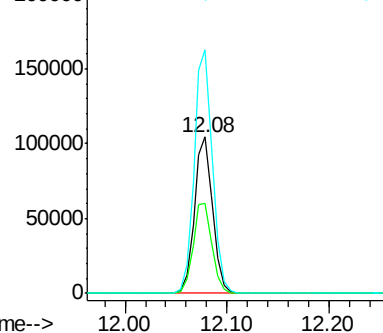
150 157.3 0.0 348.8



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: 21.440 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008705.D

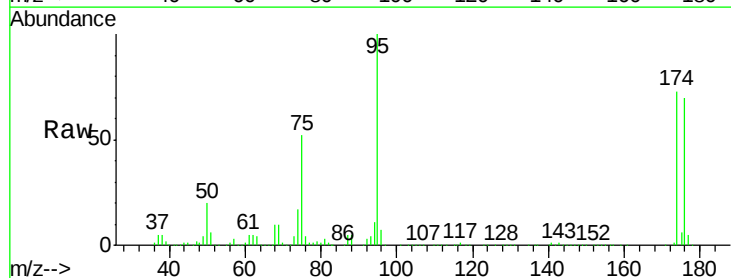
Acq: 06 Apr 2019 00:22

Tgt Ion: 75 Resp: 76088

Ion Ratio Lower Upper

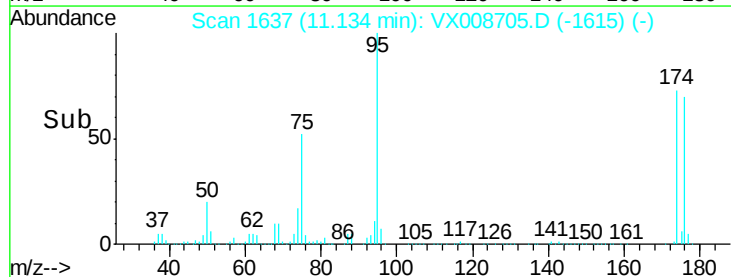
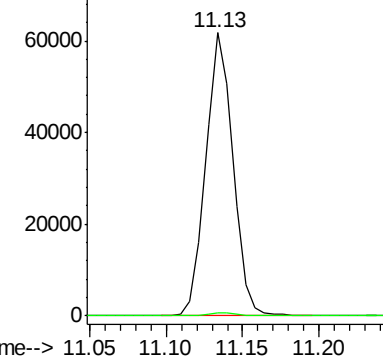
75 100

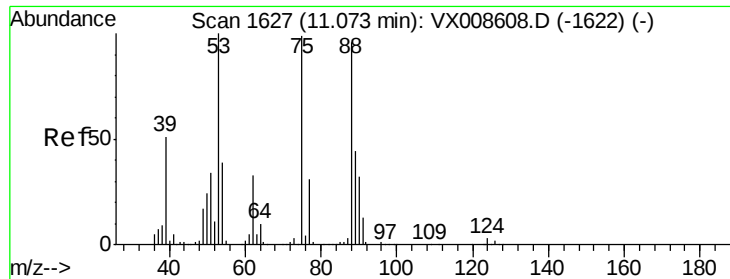
77 1.2 22.3 66.8#



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: 59.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

Instrument :

MSVOA_X

ClientSampled :

S8-0699

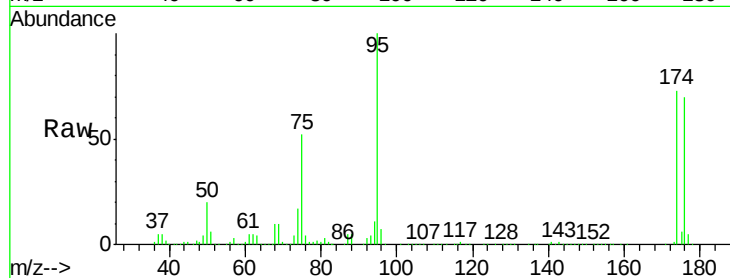
Tot Ion: 75 Resp: 76088

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

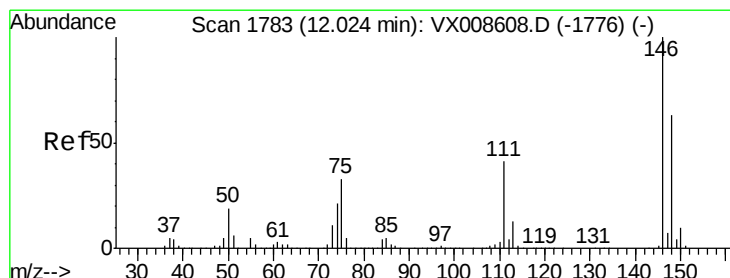
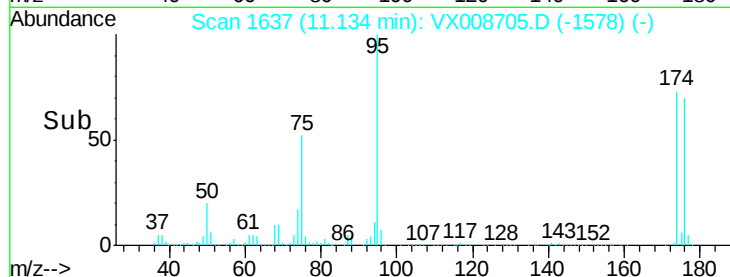
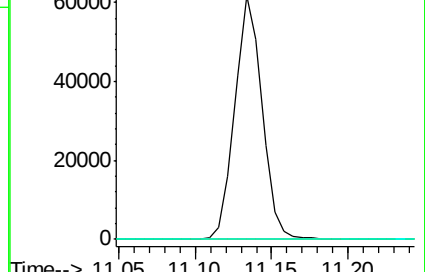
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX008608.D (-1622) (-)

Ion 53.00 (52.70 to 53.70): VX008608.D (-1622) (-)

Ion 88.90 (88.60 to 89.60): VX008608.D (-1622) (-)



#87

1,3-Dichlorobenzene

Concen: 0.213 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008705.D

Acq: 06 Apr 2019 00:22

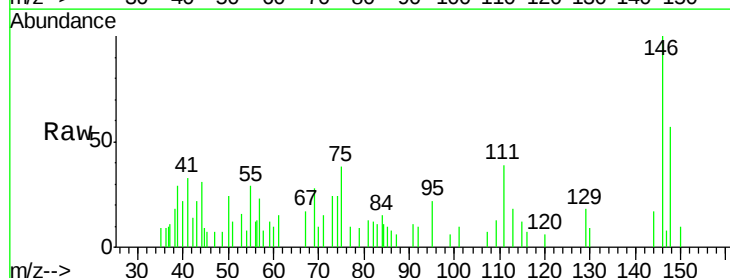
Tgt Ion: 146 Resp: 981

Ion Ratio Lower Upper

146 100

111 50.2 20.5 61.5

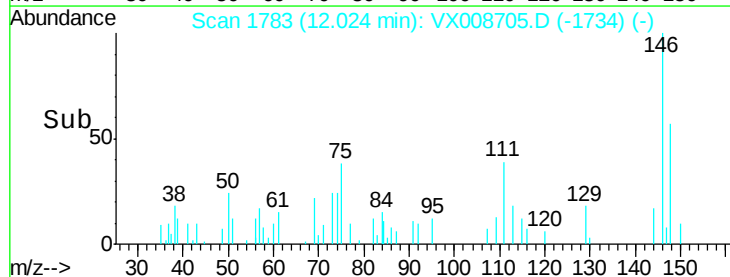
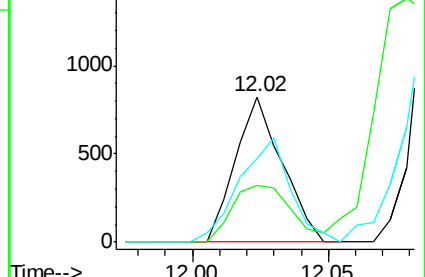
148 78.6 31.6 94.7

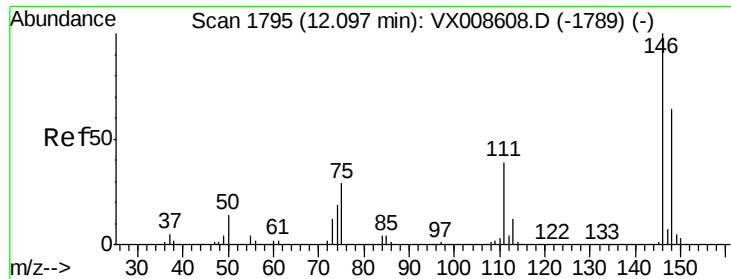


Abundance Ion 145.90 (145.60 to 146.60): VX008608.D (-1776) (-)

Ion 110.90 (110.60 to 111.60): VX008608.D (-1776) (-)

Ion 147.90 (147.60 to 148.60): VX008608.D (-1776) (-)

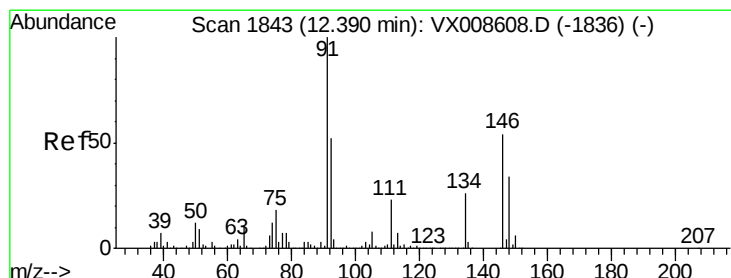
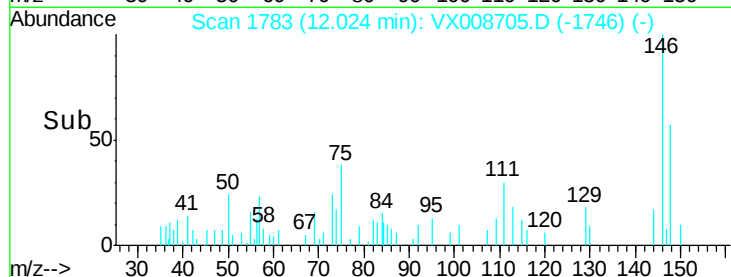
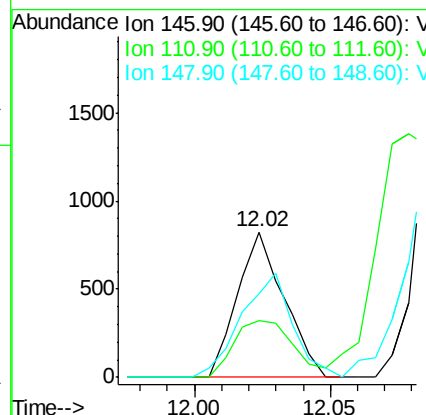
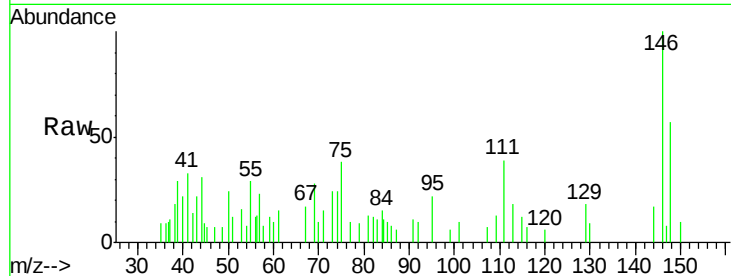




#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008705.D
 Acq: 06 Apr 2019 00:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0699

Tot Ion:146 Resp: 981
 Ion Ratio Lower Upper
 146 100
 111 50.2 20.2 60.6
 148 78.6 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 0.303 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008705.D
 Acq: 06 Apr 2019 00:22

Tgt Ion:146 Resp: 1385
 Ion Ratio Lower Upper
 146 100
 111 47.8 21.3 63.9
 148 72.6 31.7 95.1

