

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008913.D
 Acq On : 13 Apr 2019 02:25
 Operator : JC/SP
 Sample : K2367-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0701

Quant Time: Apr 13 05:06:05 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	5.67	168	192214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	260825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104811	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	128776	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	5.50	113	92968	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	8.71	98	383932	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.13	95	122727	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

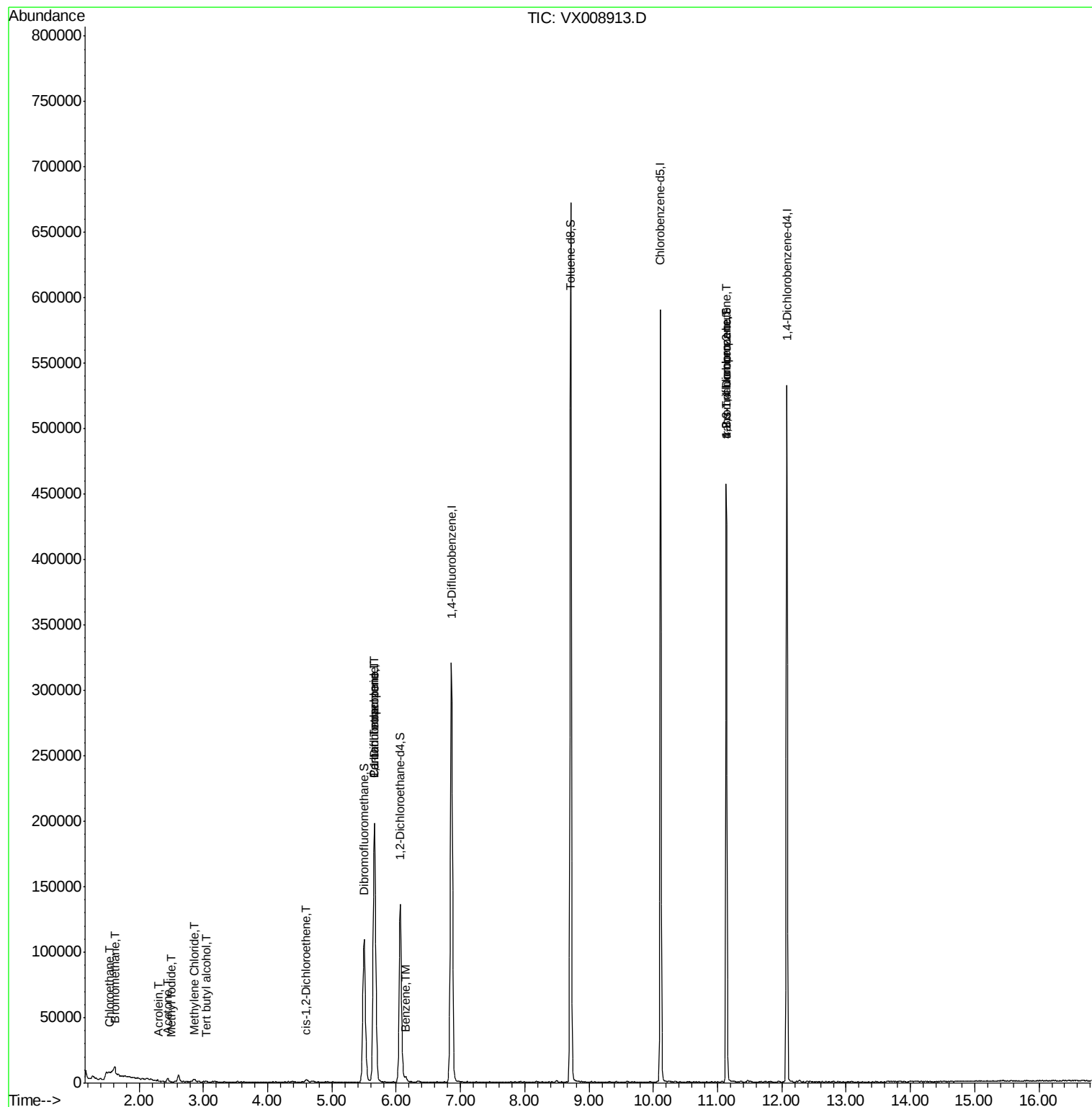
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	339	Below Cal		99
5) Bromomethane	1.64	94	380	2.133	ug/l #	68
6) Chloroethane	1.54	64	32032	17.651	ug/l #	52
10) Methyl Iodide	2.51	142	96	4.049	ug/l #	42
11) Tert butyl alcohol	3.04	59	526	0.801	ug/l #	72
13) Acrolein	2.31	56	86	0.264	ug/l #	13
16) Acetone	2.45	43	3012	1.865	ug/l	97
17) Carbon Disulfide	2.57	76	718	Below Cal	#	62
20) Methylene Chloride	2.86	84	610	0.226	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	1040	0.376	ug/l	90
28) Bromochloromethane	4.99	49	19	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	15517	4.578	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18379	6.551	ug/l #	16
40) Benzene	6.15	78	3436	0.340	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	62294	21.635	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62294	59.639	ug/l #	9

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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: VX008913.D

Acq: 13 Apr 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

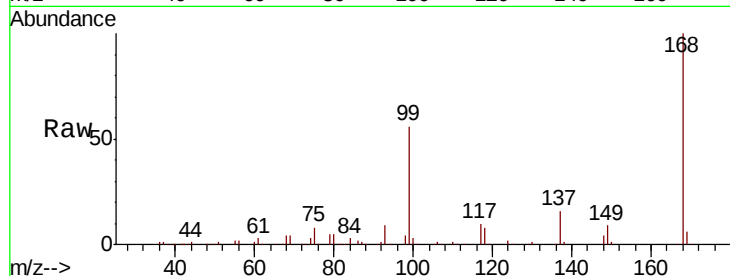
S8-0701

Tot Ion:168 Resp: 192214

Ion Ratio Lower Upper

168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

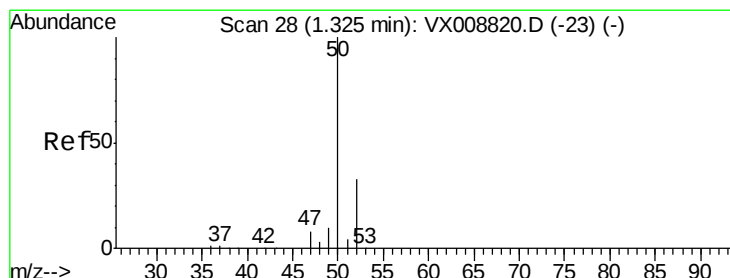
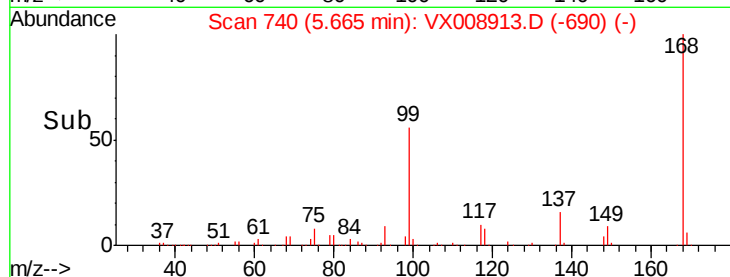
60000

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: VX008913.D

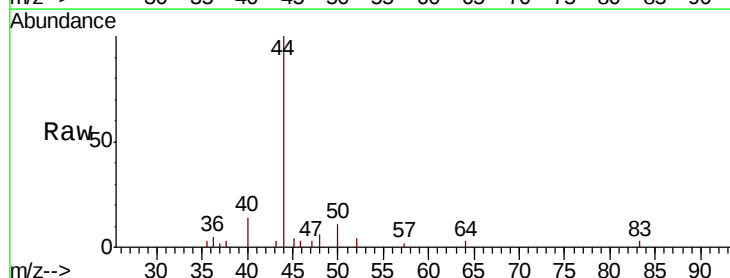
Acq: 13 Apr 2019 02:25

Tgt Ion: 50 Resp: 339

Ion Ratio Lower Upper

50 100

52 32.8 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

250

200

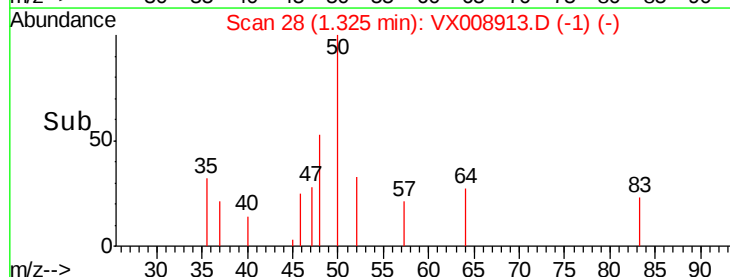
150

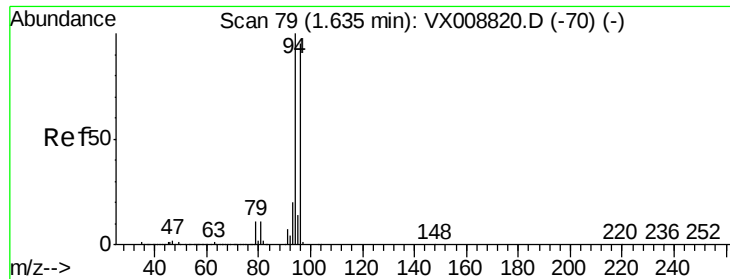
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.133 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

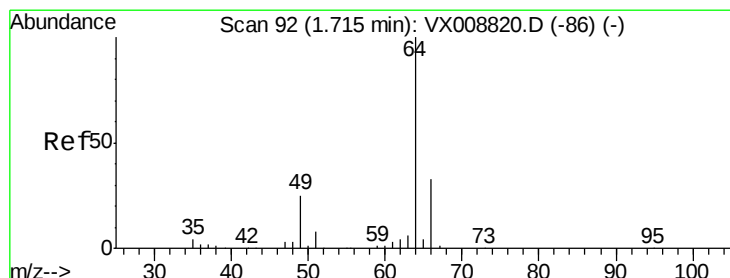
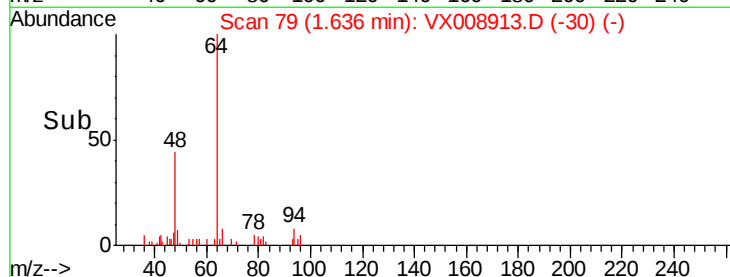
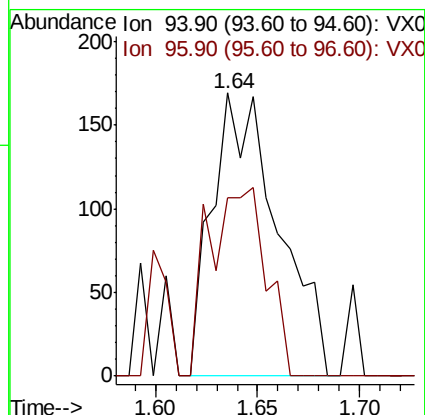
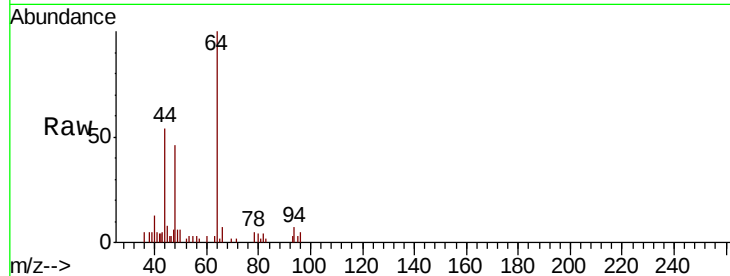
S8-0701

Tot Ion: 94 Resp: 380

Ion Ratio Lower Upper

94 100

96 63.3 75.2 112.8#



#6

Chloroethane

Concen: 17.651 ug/l

RT: 1.54 min Scan# 63

Delta R.T. -0.18 min

Lab File: VX008913.D

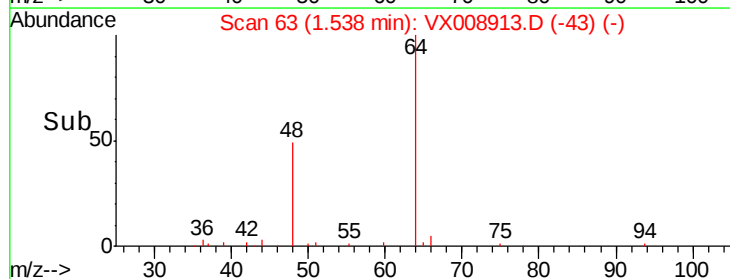
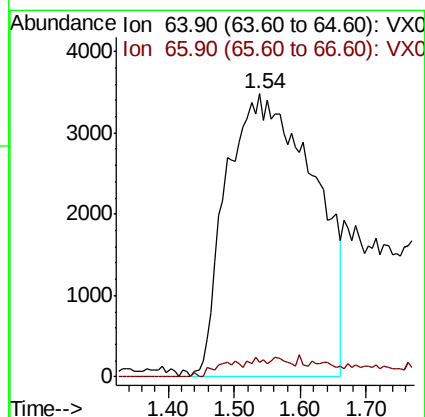
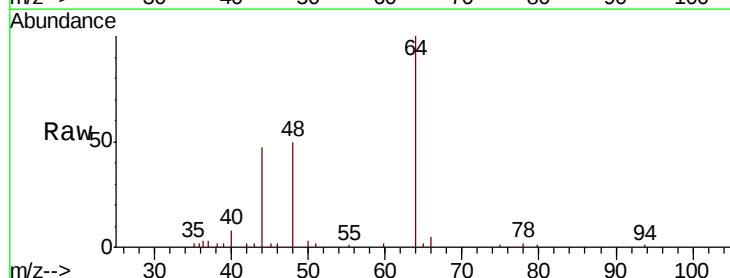
Acq: 13 Apr 2019 02:25

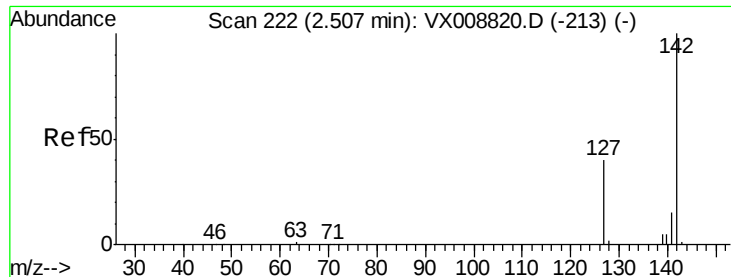
Tgt Ion: 64 Resp: 32032

Ion Ratio Lower Upper

64 100

66 5.2 25.4 38.0#

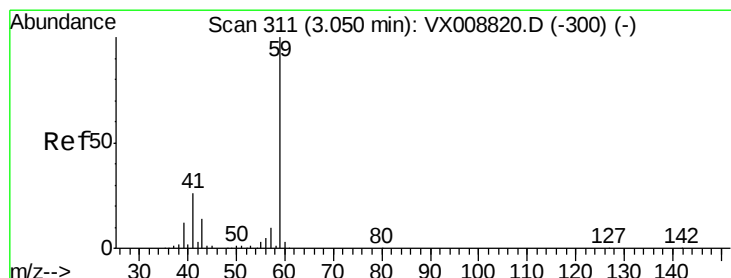
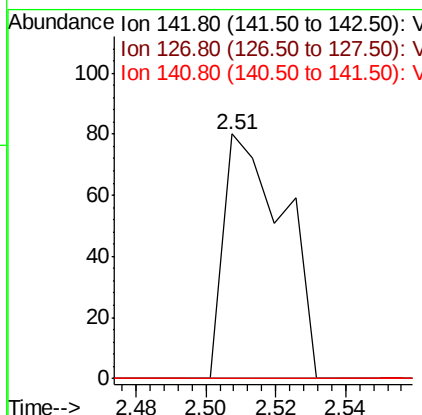
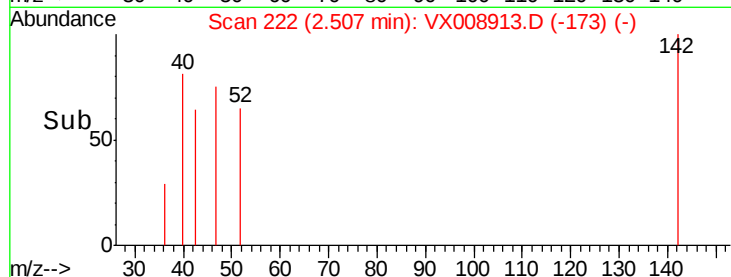
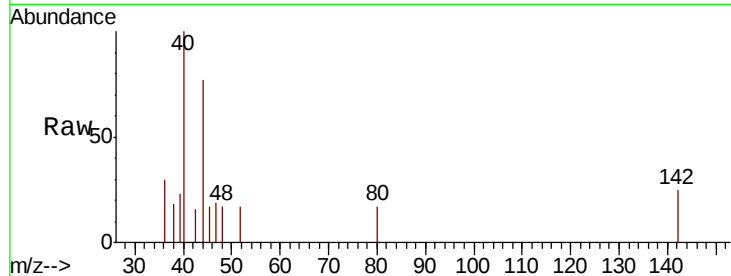




#10
Methvl Iodide
Concen: 4.049 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

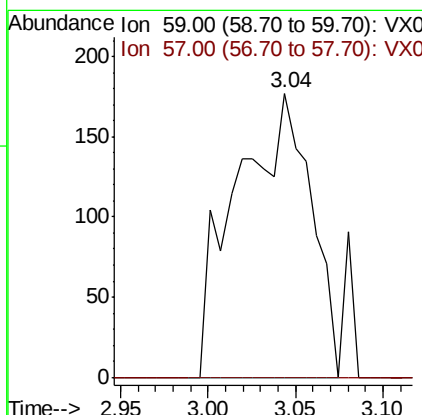
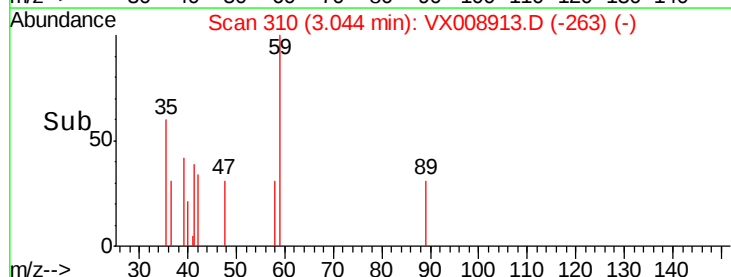
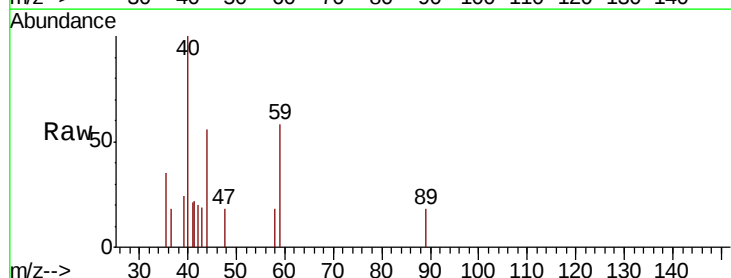
Instrument :
MSVOA_X
ClientSampled :
S8-0701

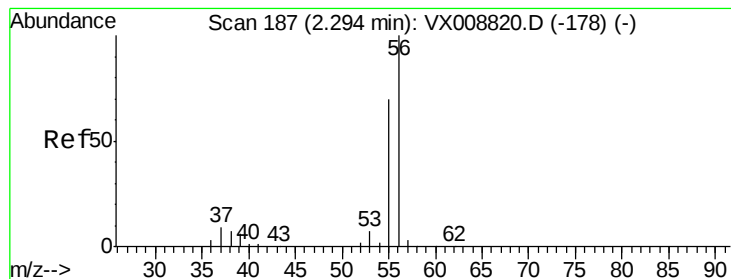
Tot Ion:142 Resp: 96
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.801 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.264 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

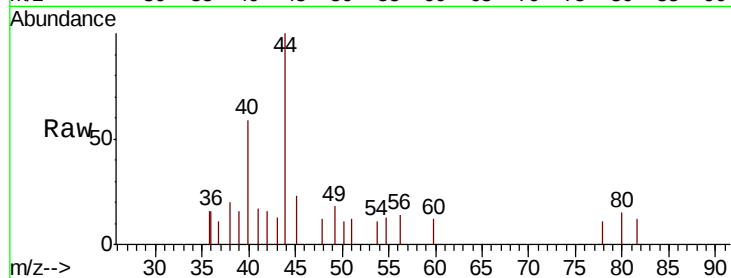
S8-0701

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

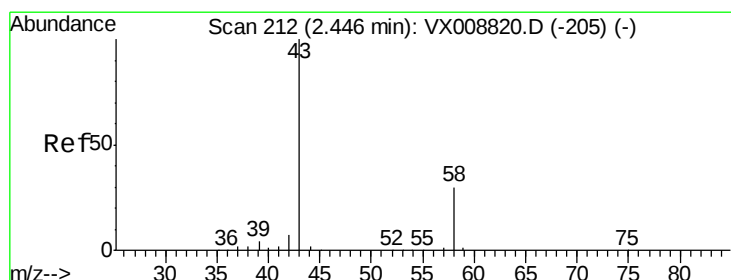
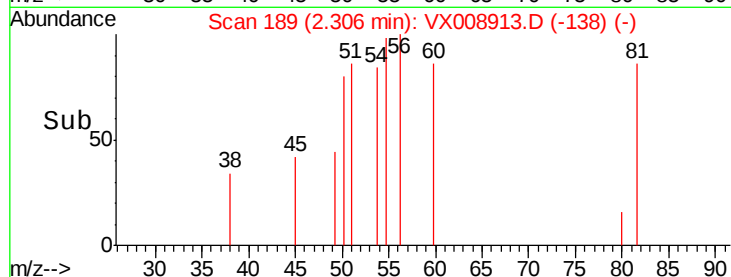
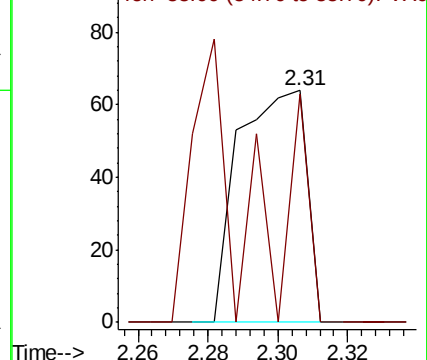
56 100

55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.865 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008913.D

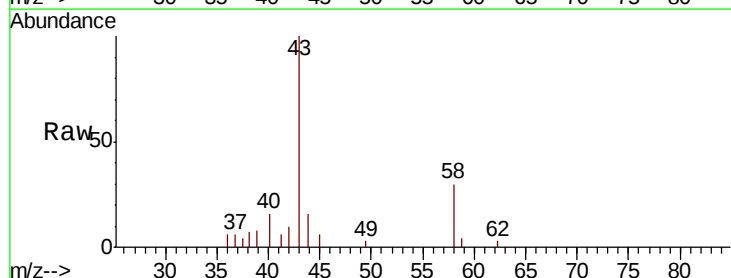
Acq: 13 Apr 2019 02:25

Tgt Ion: 43 Resp: 3012

Ion Ratio Lower Upper

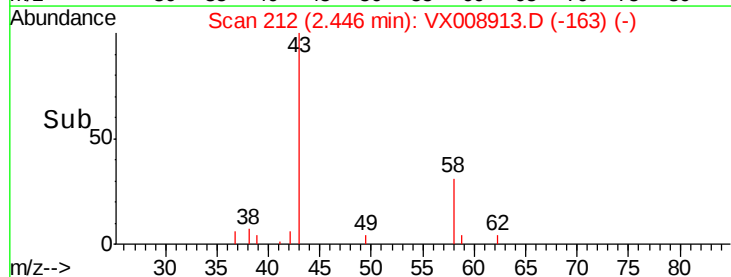
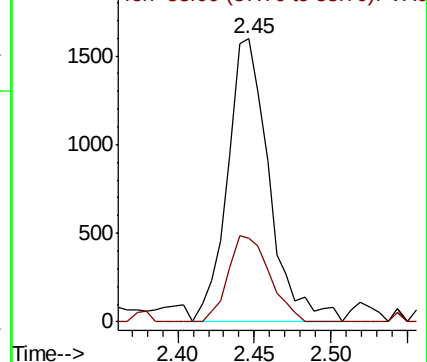
43 100

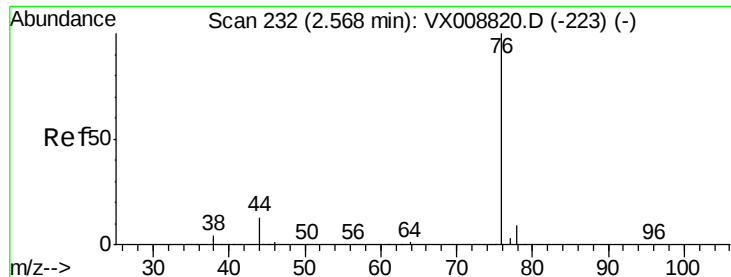
58 29.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

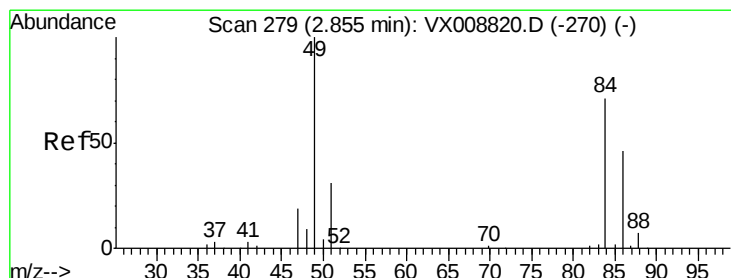
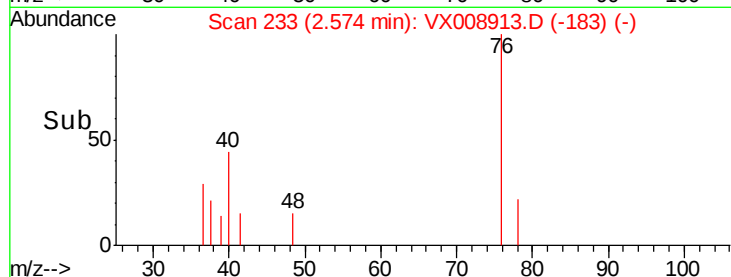
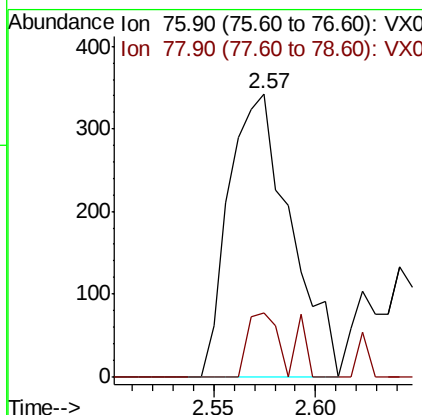
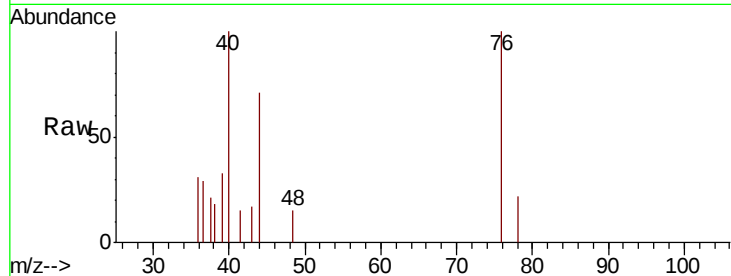




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

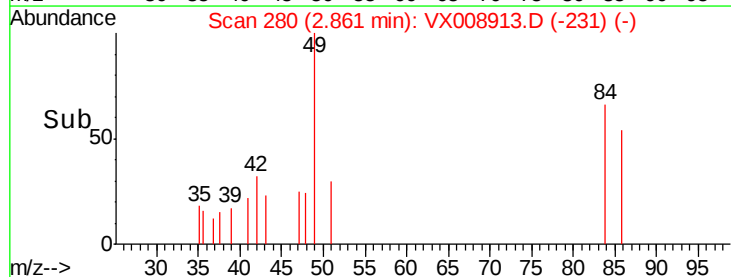
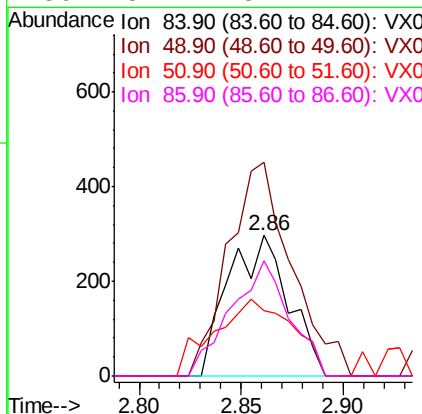
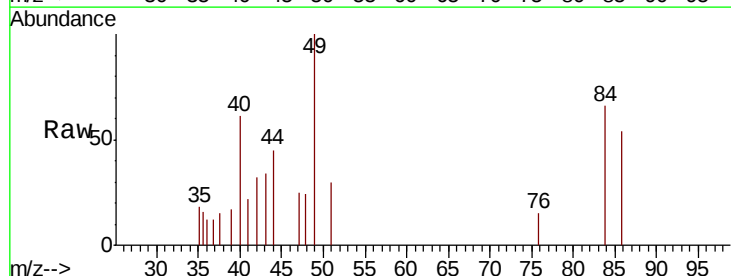
Instrument :
MSVOA_X
ClientSampleId :
S8-0701

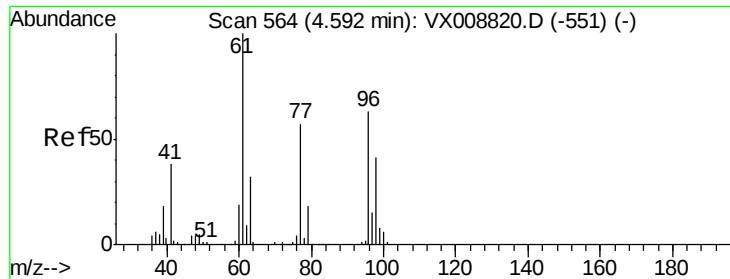
Tot Ion: 76 Resp: 718
Ion Ratio Lower Upper
76 100
78 22.4 7.1 10.7#



#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 152.4 109.7 164.5
51 46.3 33.6 50.4
86 82.1 51.4 77.2#



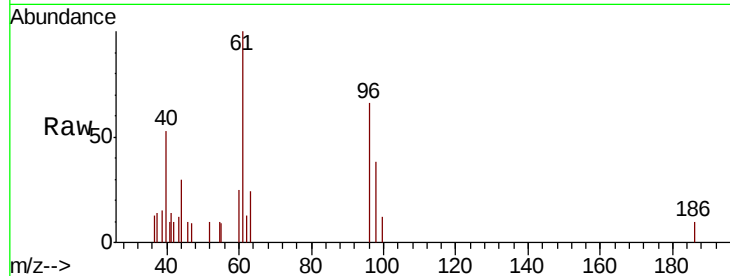


#27

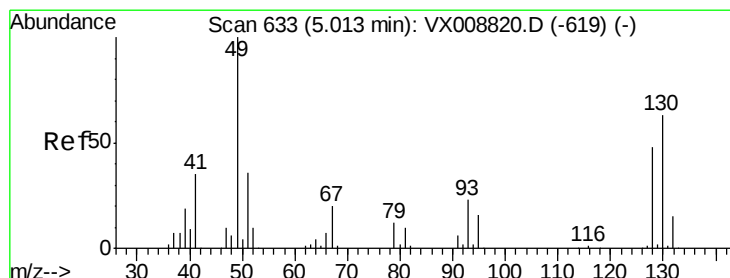
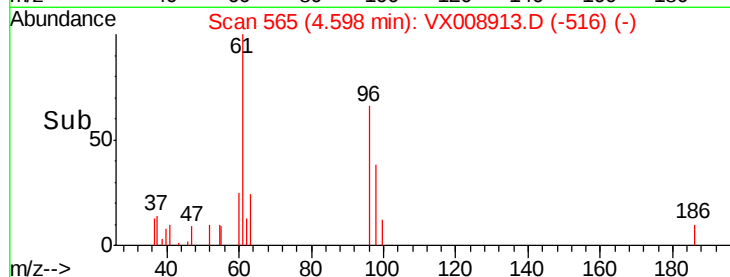
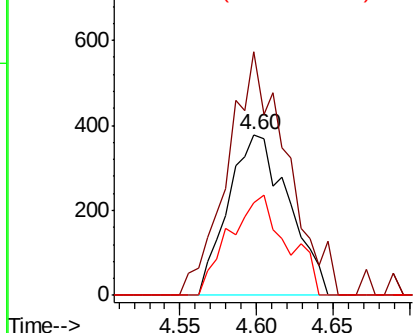
cis-1,2-Dichloroethene
 Concen: 0.376 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0701

Tot Ion: 96 Resp: 1040
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 327.6
 98 59.2 0.0 128.6



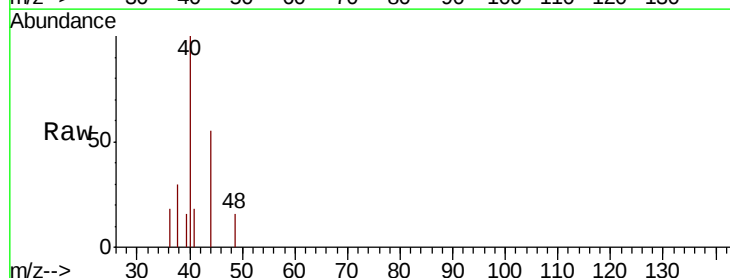
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



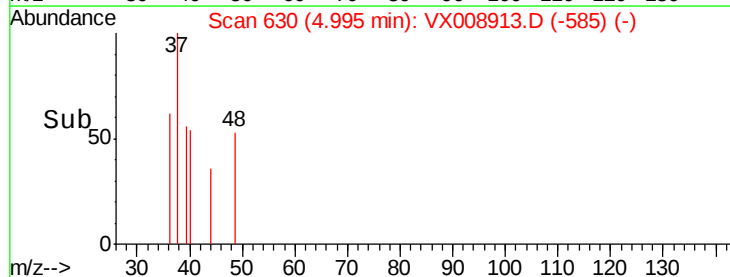
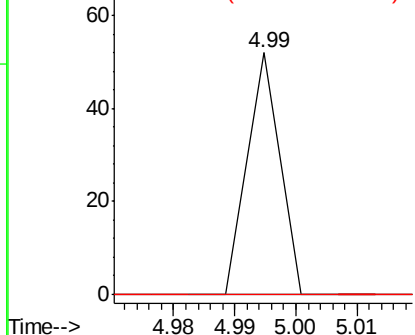
#28

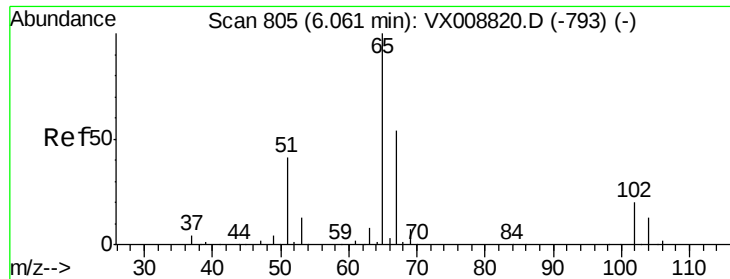
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

Tgt Ion: 49 Resp: 19
 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

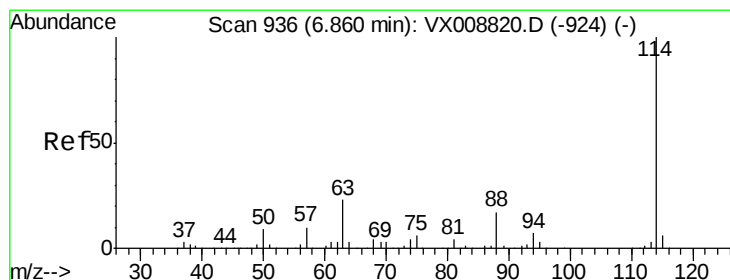
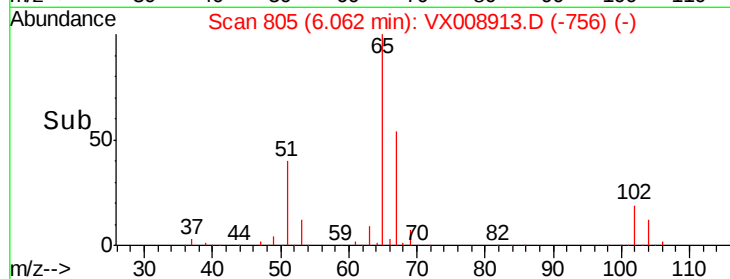
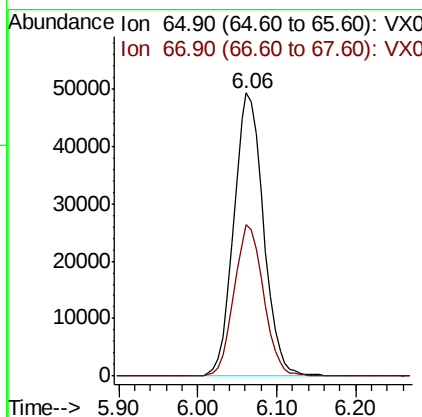
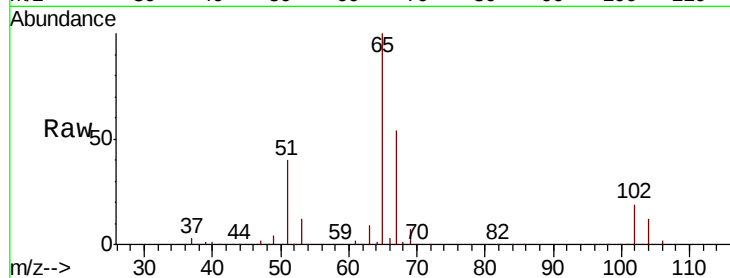




#33
 1,2-Dichloroethane-d4
 Concen: 45.933 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

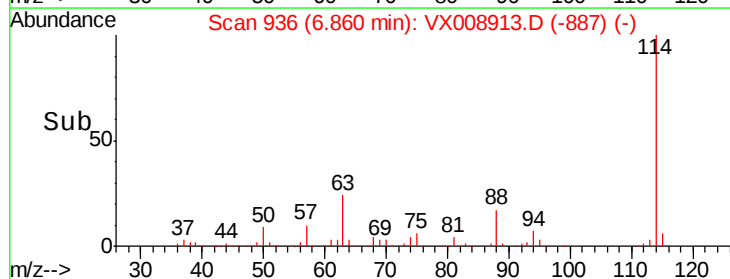
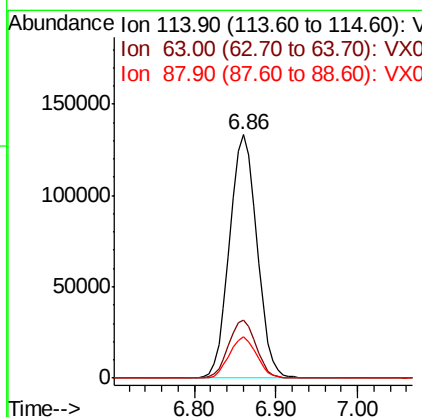
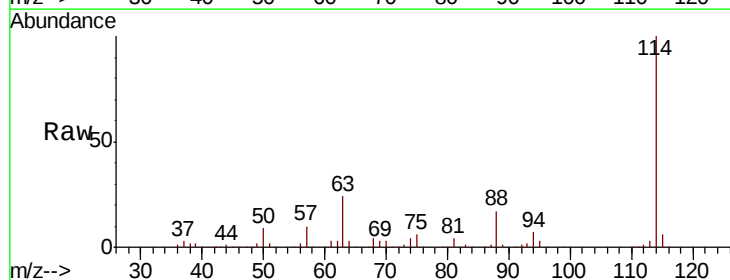
Instrument :
 MSVOA_X
 ClientSampled :
 S8-0701

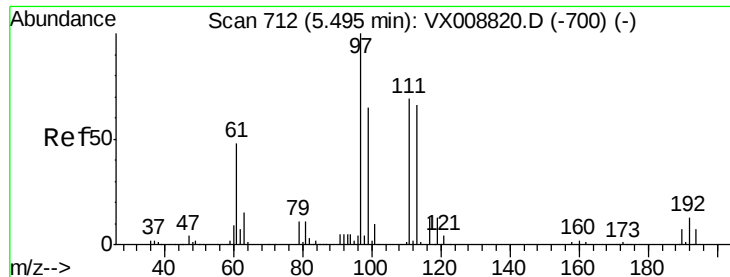
Tot Ion: 65 Resp: 128776
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

Tgt Ion: 114 Resp: 310105
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 17.2 0.0 34.0

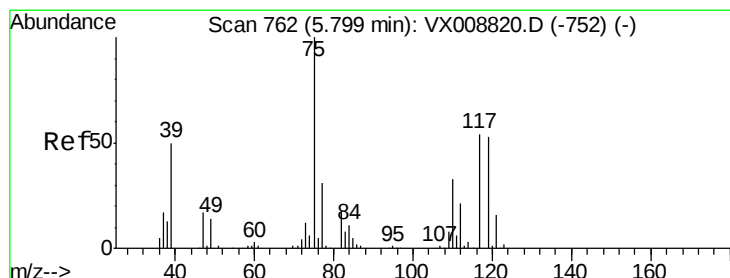
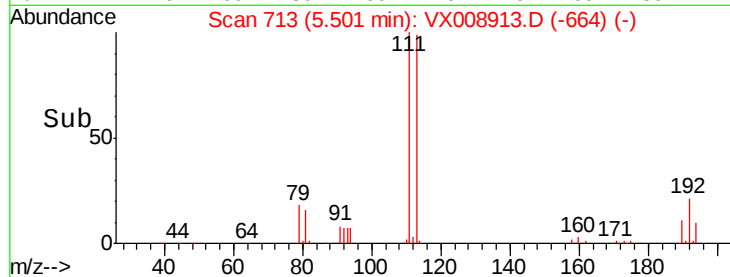
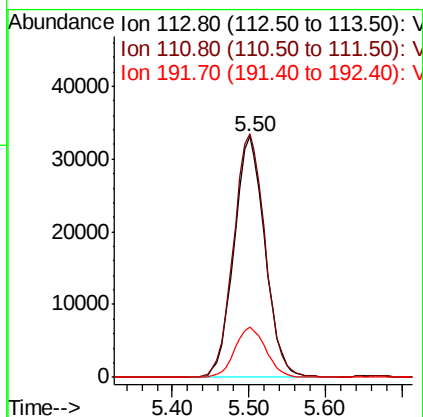
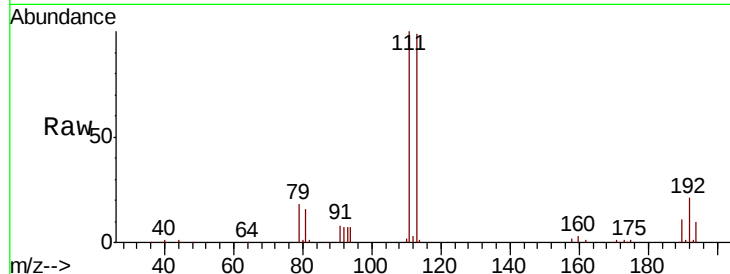




#35
 Dibromofluoromethane
 Concen: 46.890 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

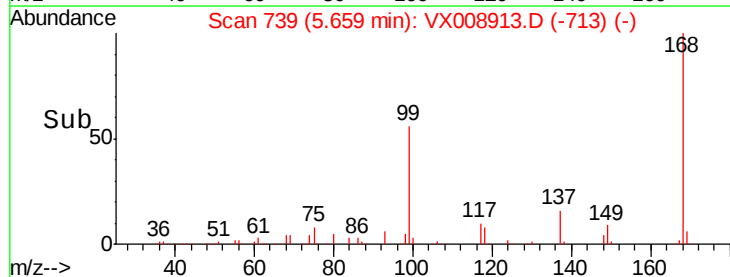
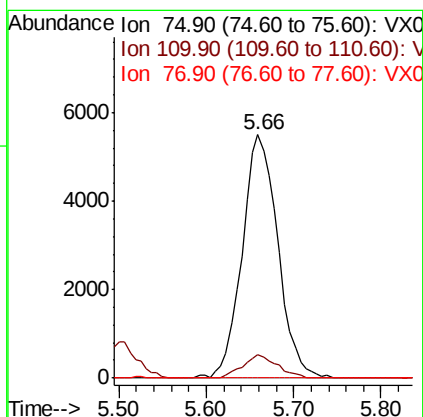
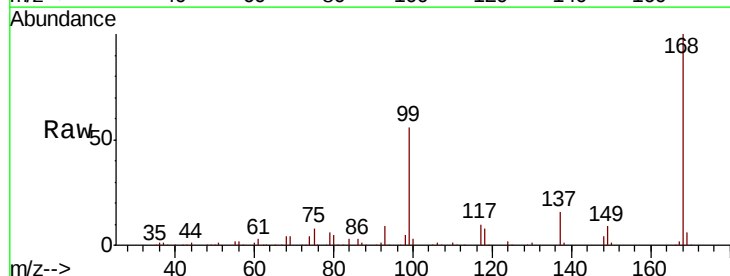
Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0701

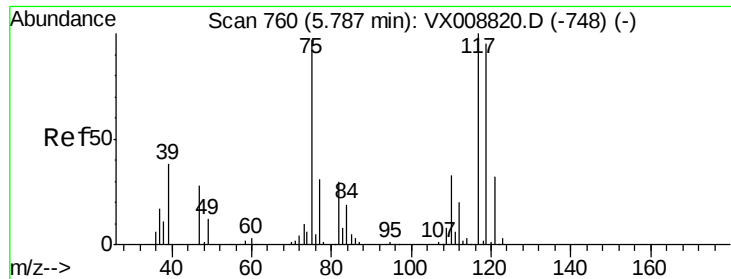
Tot Ion:113 Resp: 92968
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 21.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008913.D
 Acq: 13 Apr 2019 02:25

Tgt Ion: 75 Resp: 15517
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.2#
 77 0.0 24.7 37.1#

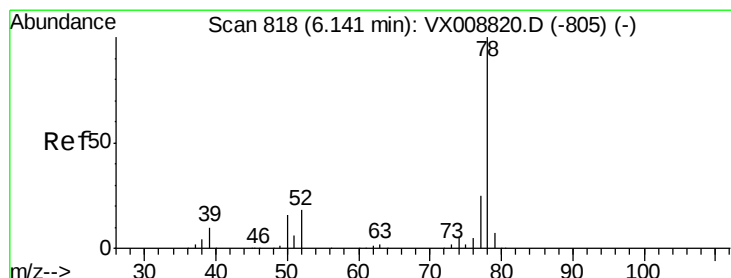
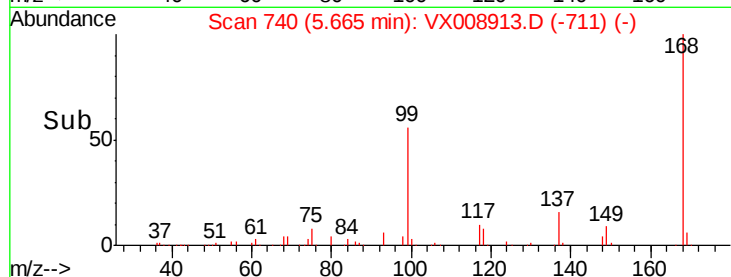
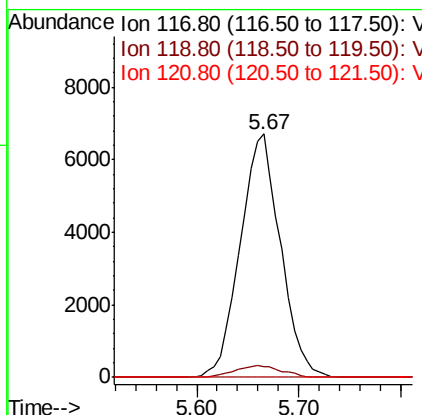
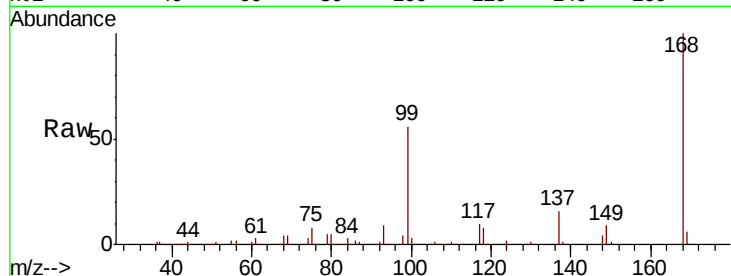




#38
Carbon Tetrachloride
Concen: 6.551 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

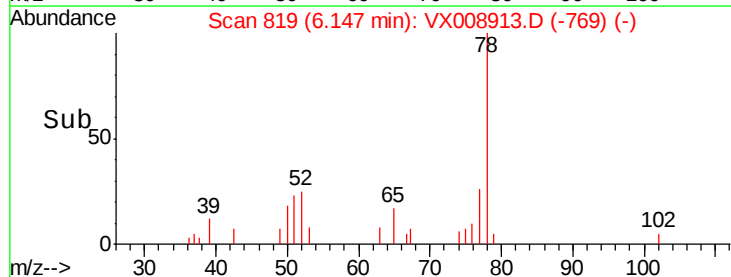
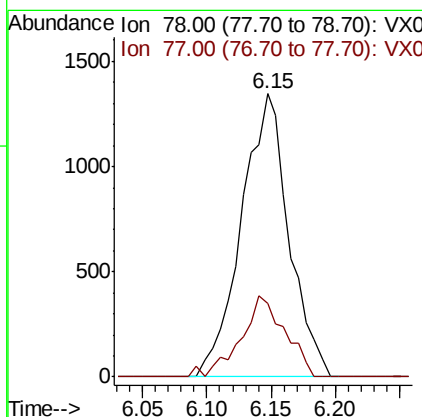
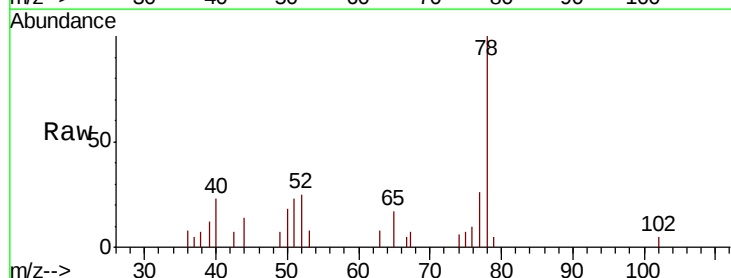
Instrument :
MSVOA_X
ClientSampleId :
S8-0701

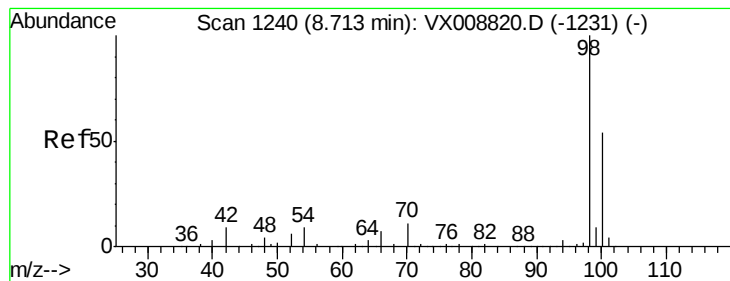
Tot Ion:117 Resp: 18379
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 0.340 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

Tgt Ion: 78 Resp: 3436
Ion Ratio Lower Upper
78 100
77 25.9 19.1 28.7





#50

Toluene-d8

Concen: 48.632 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

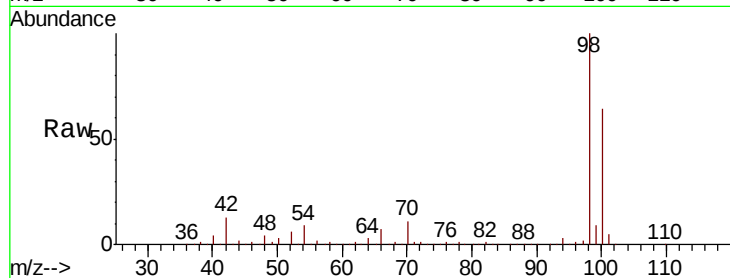
S8-0701

Tot Ion: 98 Resp: 383932

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

8.71

250000

200000

150000

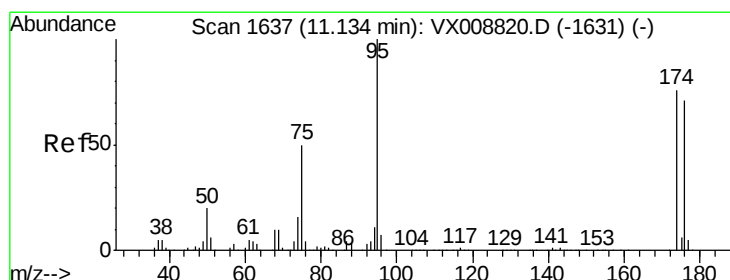
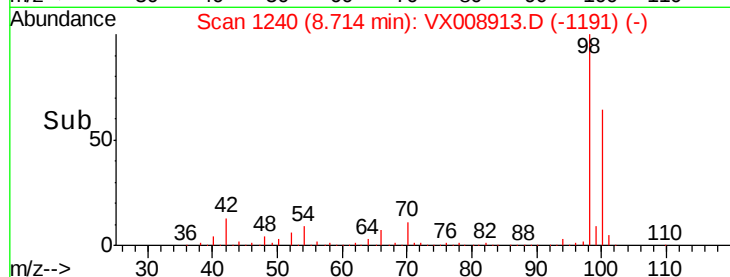
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 43.838 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

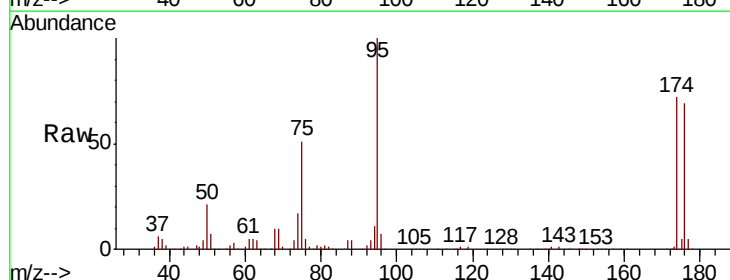
Tgt Ion: 95 Resp: 122727

Ion Ratio Lower Upper

95 100

174 78.6 0.0 151.8

176 75.8 0.0 145.8



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

11.13

120000

100000

80000

60000

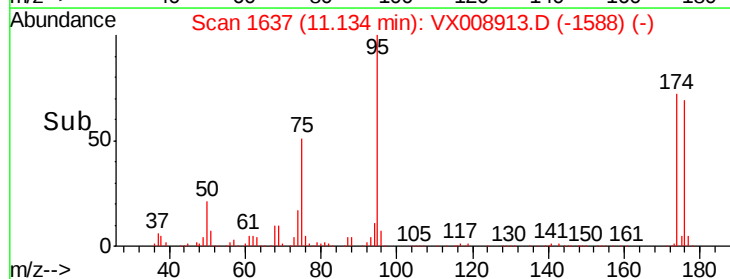
40000

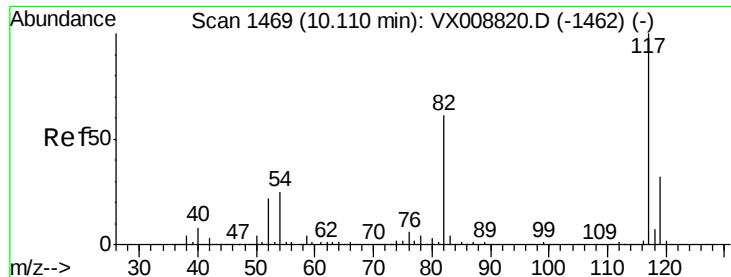
20000

0

Time-->

11.05 11.10 11.15 11.20

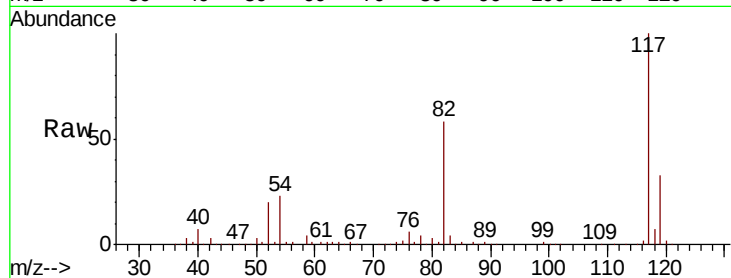




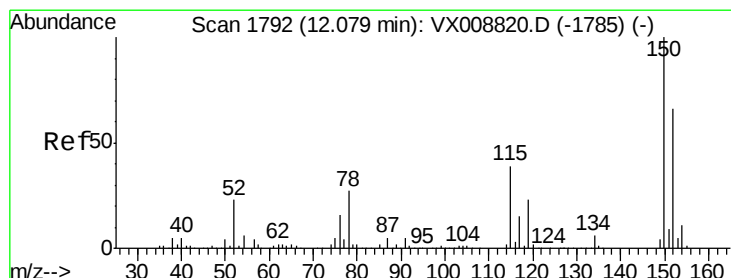
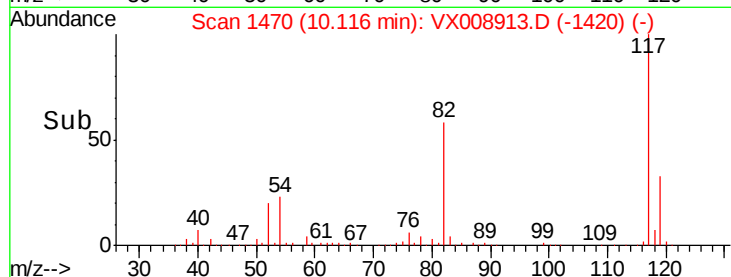
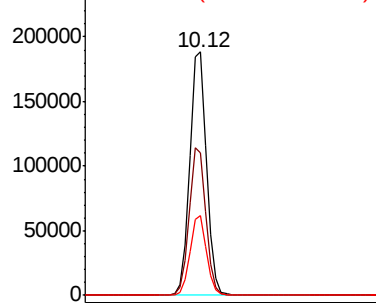
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

Instrument :
MSVOA_X
ClientSampleId :
S8-0701

Tot Ion:117 Resp: 260825
Ion Ratio Lower Upper
117 100
82 58.5 49.6 74.4
119 32.7 25.0 37.4

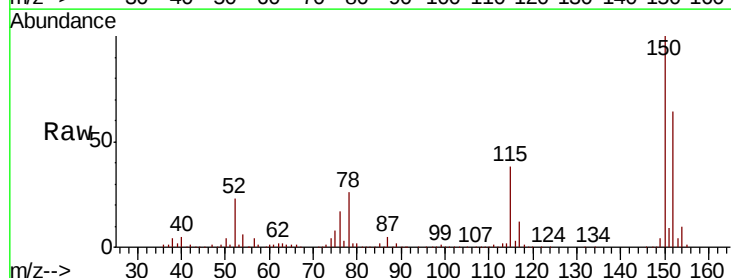


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

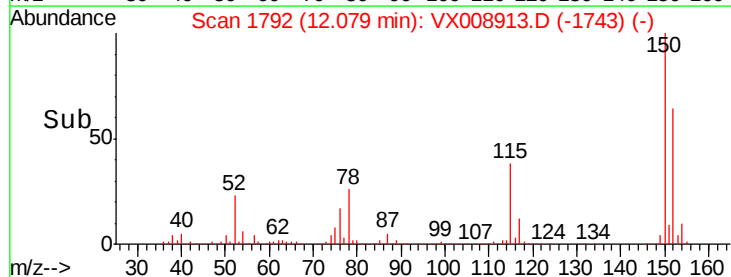
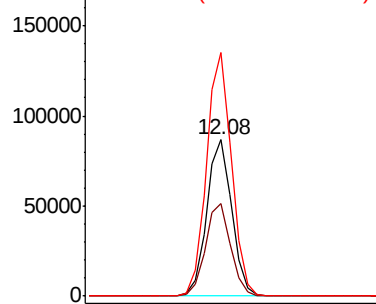


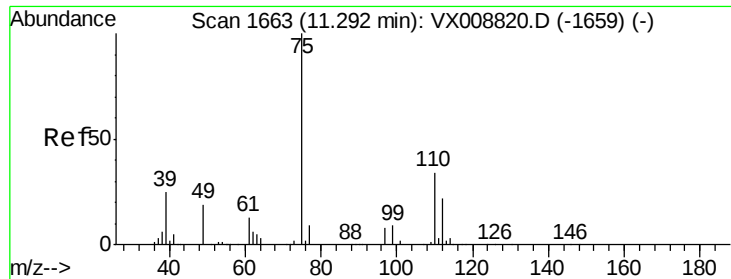
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008913.D
Acq: 13 Apr 2019 02:25

Tgt Ion:152 Resp: 104811
Ion Ratio Lower Upper
152 100
115 59.5 43.5 130.5
150 156.2 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: 21.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

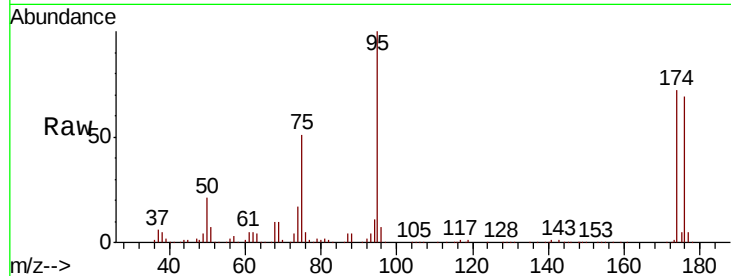
S8-0701

Tot Ion: 75 Resp: 62294

Ion Ratio Lower Upper

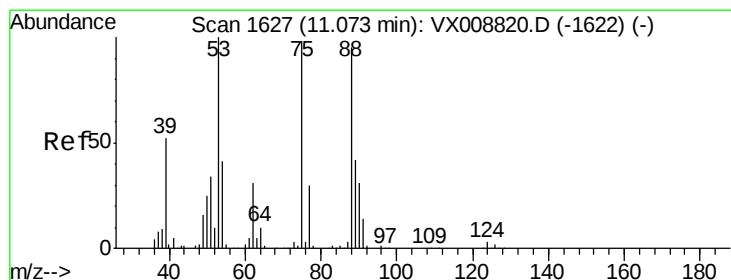
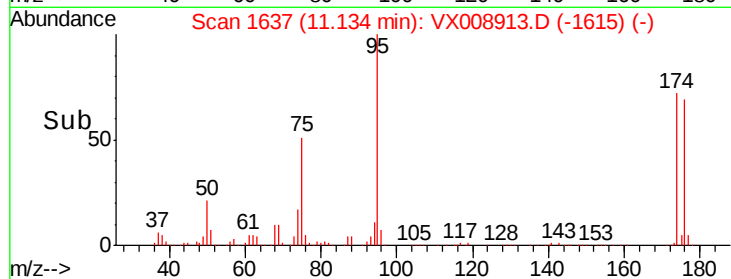
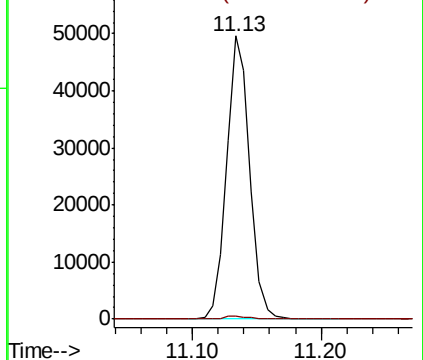
75 100

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: 59.639 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008913.D

Acq: 13 Apr 2019 02:25

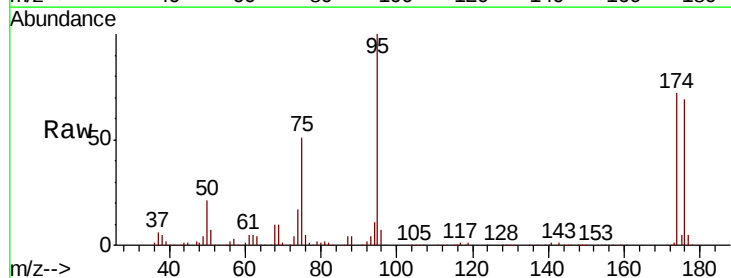
Tgt Ion: 75 Resp: 62294

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): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

