

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008694.D
 Acq On : 05 Apr 2019 20:06
 Operator : JC/SP
 Sample : K2275-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0710

Quant Time: Apr 06 01:27:51 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	209161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128033	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	143578	47.06	ug/l	0.00
Spiked Amount						
			Recovery	=	94.12%	
35) Dibromofluoromethane	5.50	113	104875	47.53	ug/l	0.00
Spiked Amount						
			Recovery	=	95.06%	
50) Toluene-d8	8.71	98	435222	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	147806	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	

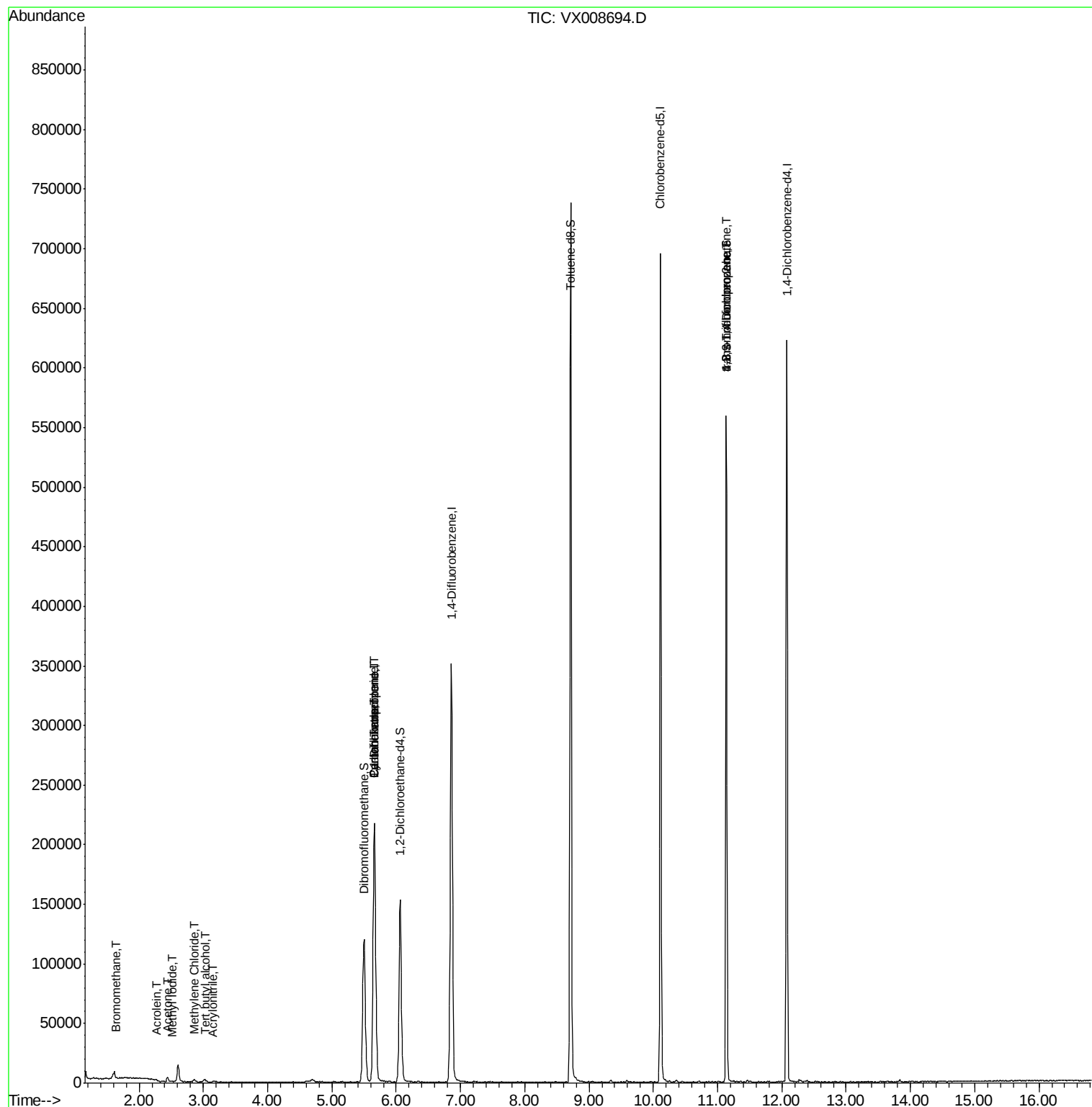
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	535	Below Cal		100
5) Bromomethane	1.64	94	304	2.068 ug/l		98
6) Chloroethane	1.75	64	1690	Below Cal	#	43
10) Methyl Iodide	2.52	142	421	4.187 ug/l	#	89
11) Tert butyl alcohol	3.03	59	1758	2.461 ug/l	#	80
13) Acrolein	2.28	56	268	0.757 ug/l	#	38
15) Acrylonitrile	3.14	53	420	0.222 ug/l	#	82
16) Acetone	2.44	43	4838	2.753 ug/l		96
17) Carbon Disulfide	2.57	76	1317	Below Cal	#	78
20) Methylene Chloride	2.85	84	1048	0.356 ug/l	#	86
28) Bromochloromethane	5.02	49	28	Below Cal	#	22
31) Cyclohexane	5.66	56	5018	0.952 ug/l	#	1
36) 1,1-Dichloropropene	5.65	75	16982	4.502 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	19922	6.381 ug/l	#	16
76) 1,2,3-Trichloropropane	11.13	75	75279	21.403 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75279	58.999 ug/l	#	9

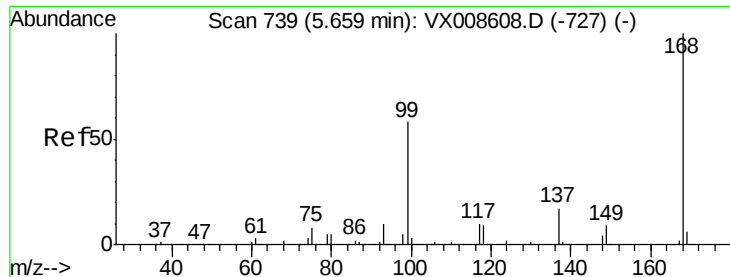
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

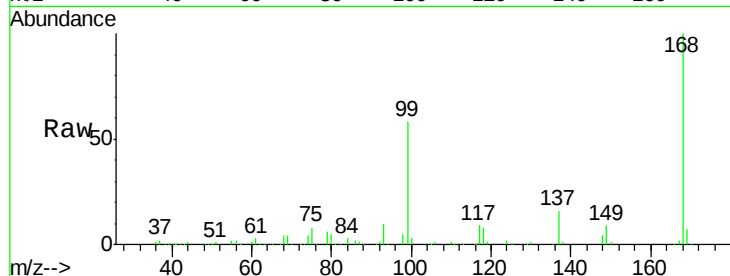
S8-0710

Tot Ion:168 Resp: 209161

Ion Ratio Lower Upper

168 100

99 58.2 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

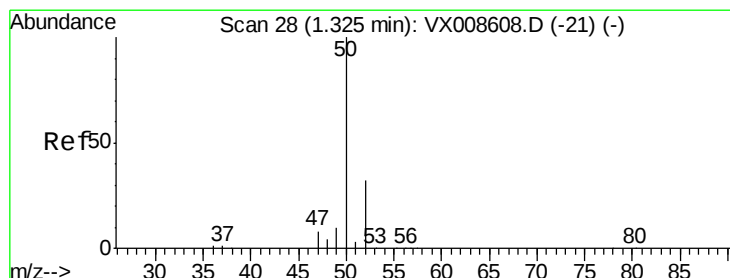
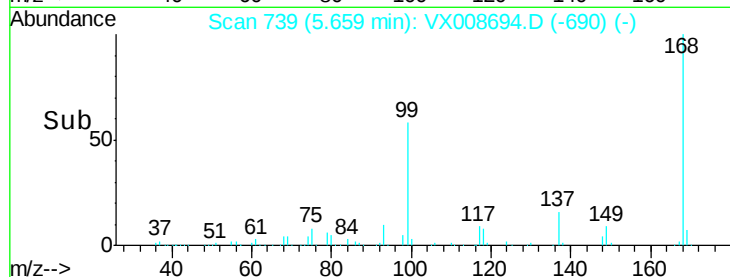
60000

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: VX008694.D

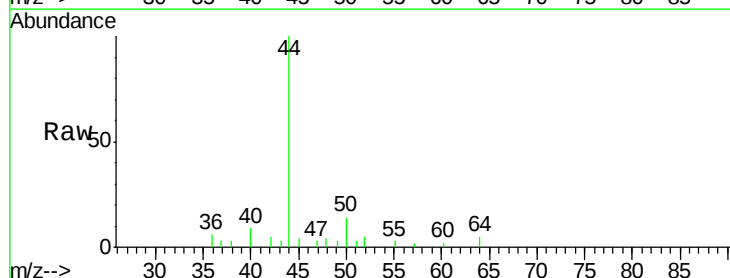
Acq: 05 Apr 2019 20:06

Tgt Ion: 50 Resp: 535

Ion Ratio Lower Upper

50 100

52 32.1 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

400

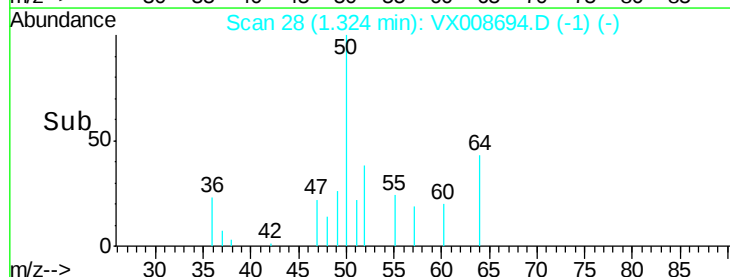
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.068 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

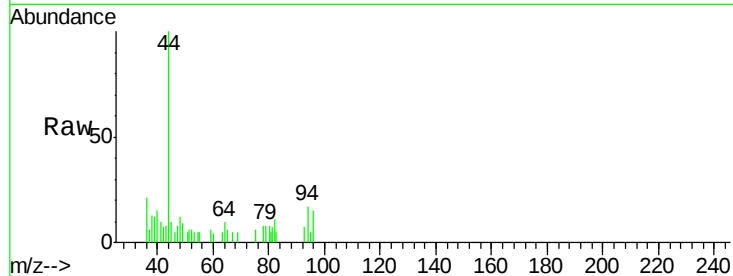
S8-0710

Tot Ion: 94 Resp: 304

Ion Ratio Lower Upper

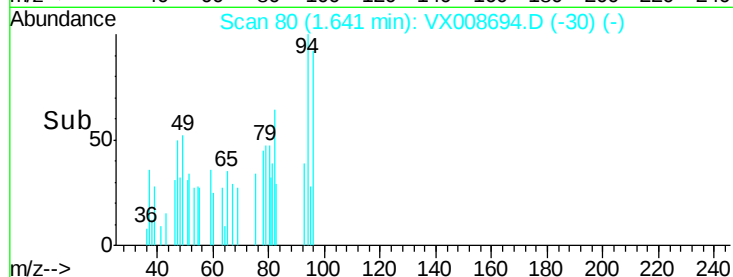
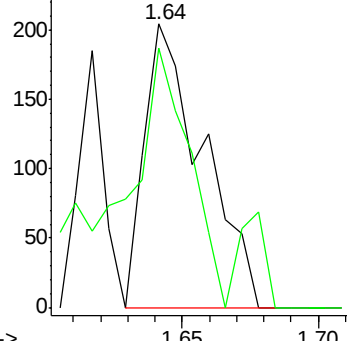
94 100

96 91.7 75.2 112.8

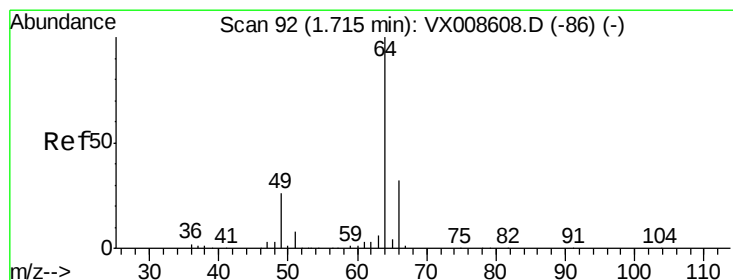


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX008694.D

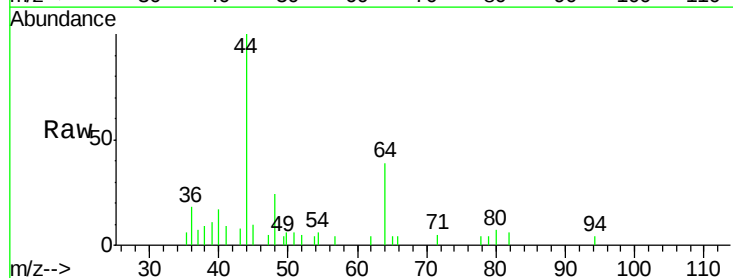
Acq: 05 Apr 2019 20:06

Tgt Ion: 64 Resp: 1690

Ion Ratio Lower Upper

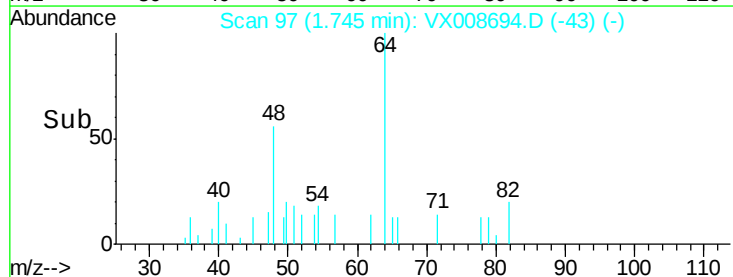
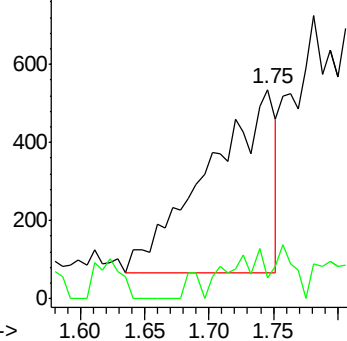
64 100

66 0.0 25.4 38.0#

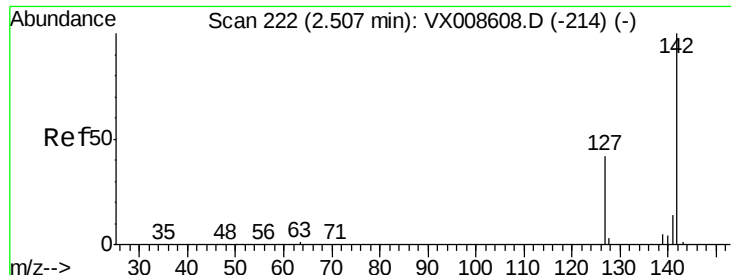


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



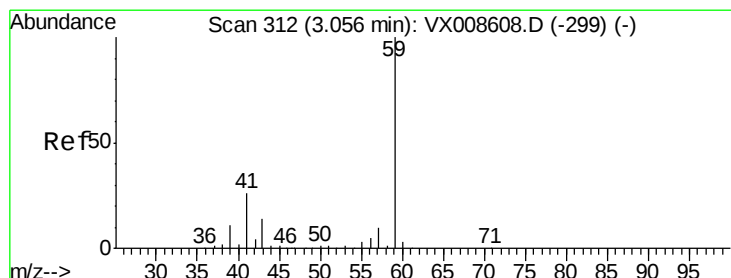
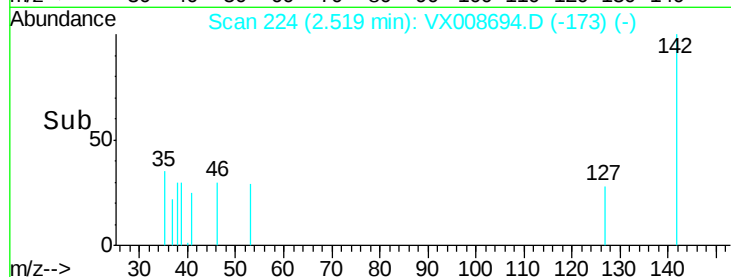
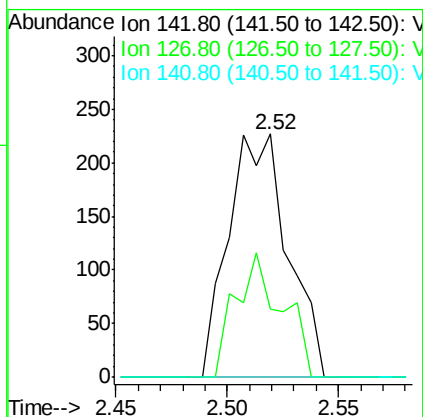
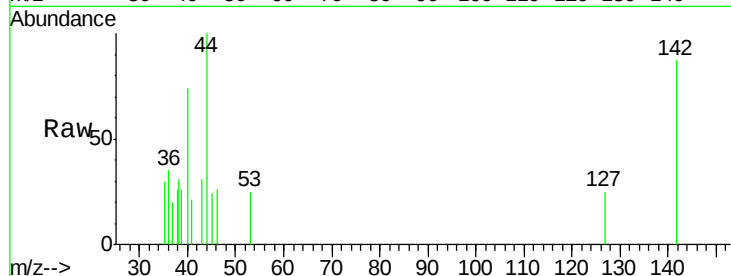
Time-->



#10
Methvl Iodide
Concen: 4.187 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

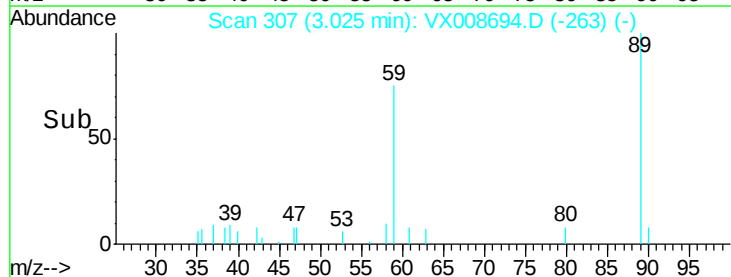
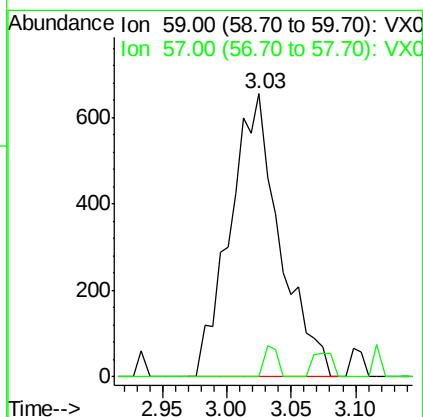
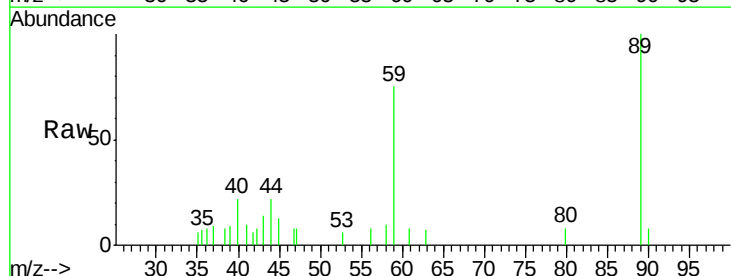
Instrument :
MSVOA_X
ClientSampleId :
S8-0710

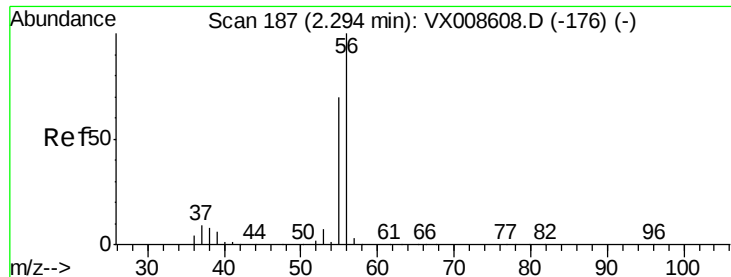
Tot Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
127 39.7 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.461 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.03 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

Tgt Ion: 59 Resp: 1758
Ion Ratio Lower Upper
59 100
57 2.8 8.3 12.5#





#13

Acrolein

Concen: 0.757 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

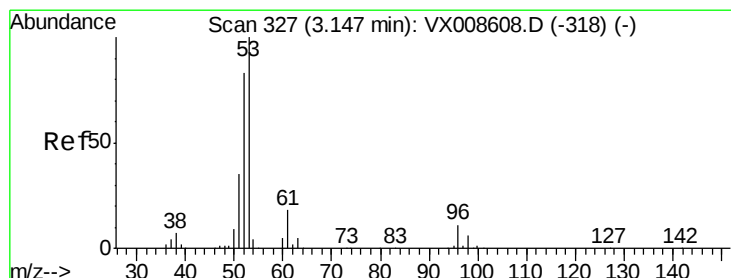
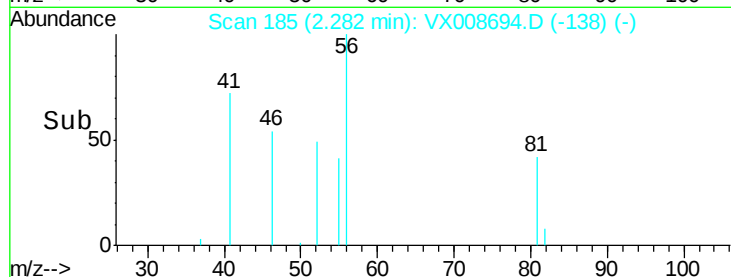
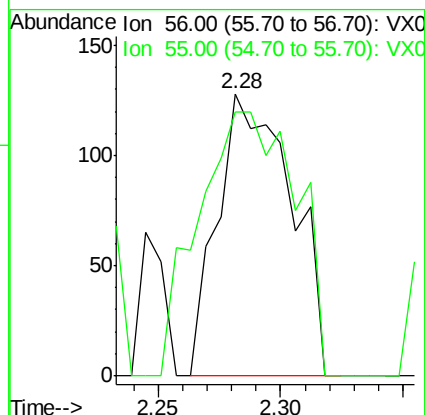
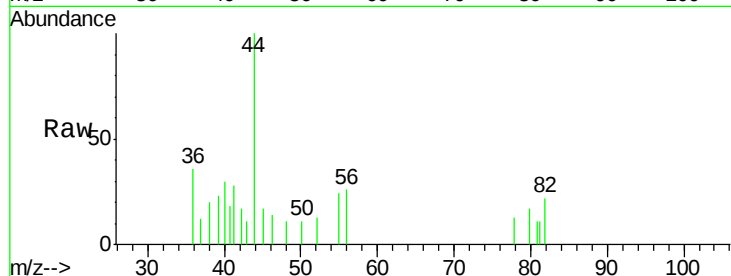
S8-0710

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 124.6 58.0 87.0#



#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

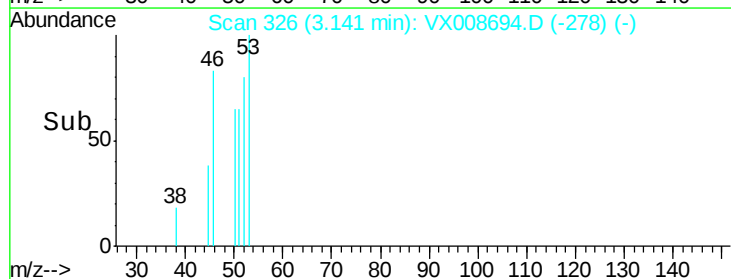
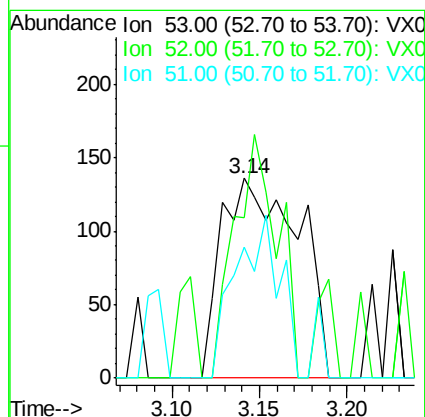
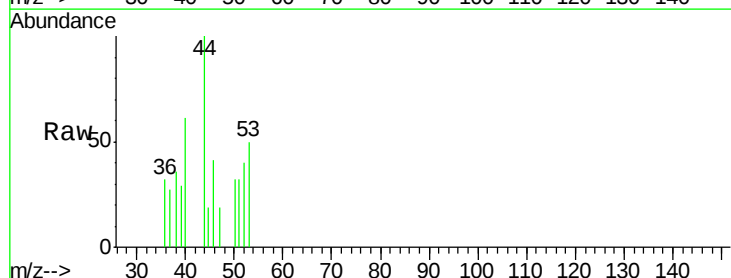
Tgt Ion: 53 Resp: 420

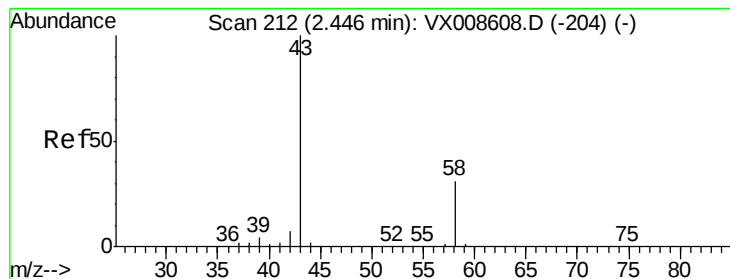
Ion Ratio Lower Upper

53 100

52 67.6 66.5 99.7

51 46.4 28.6 42.8#





#16

Acetone

Concen: 2.753 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampled :

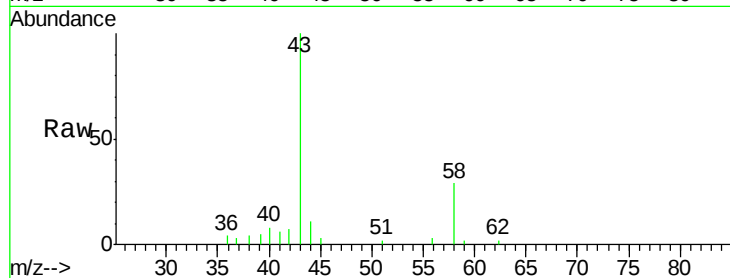
S8-0710

Tot Ion: 43 Resp: 4838

Ion Ratio Lower Upper

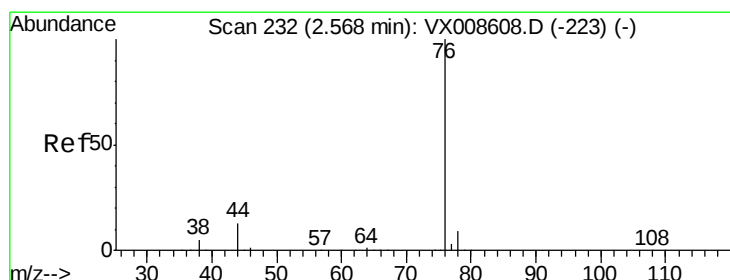
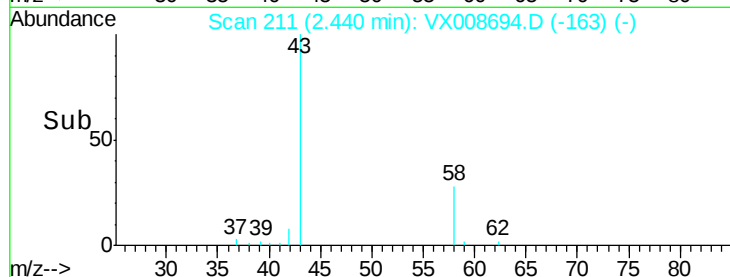
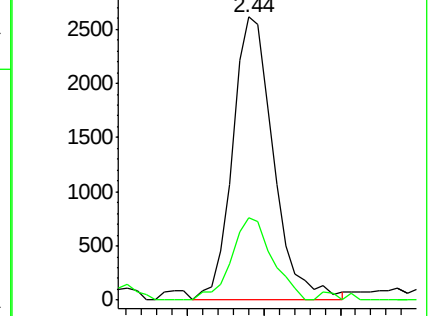
43 100

58 29.0 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# 232

Delta R.T. 0.00 min

Lab File: VX008694.D

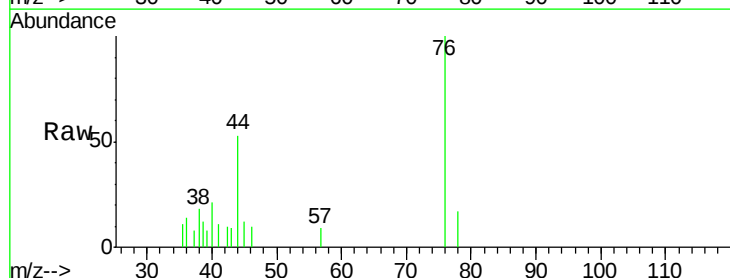
Acq: 05 Apr 2019 20:06

Tgt Ion: 76 Resp: 1317

Ion Ratio Lower Upper

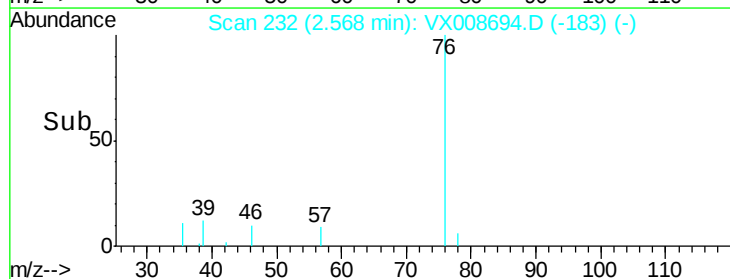
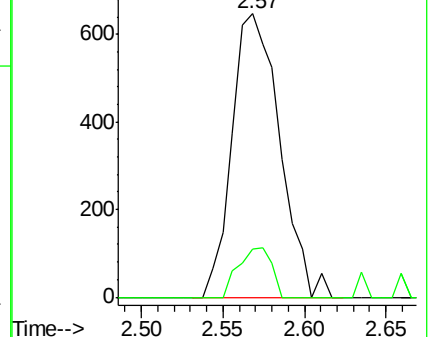
76 100

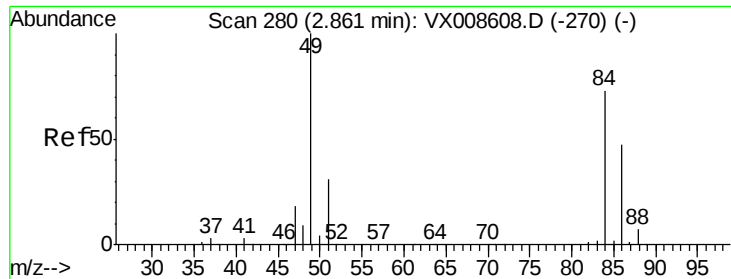
78 17.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

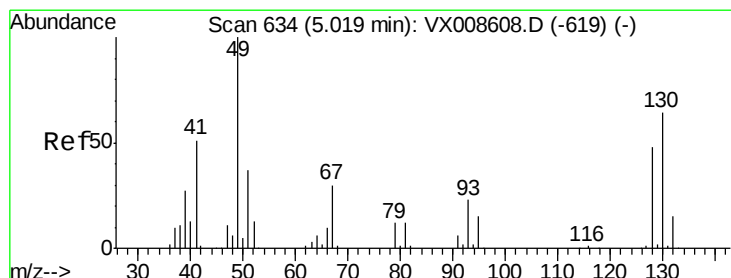
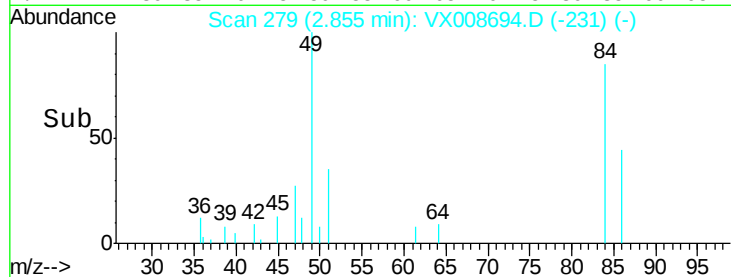
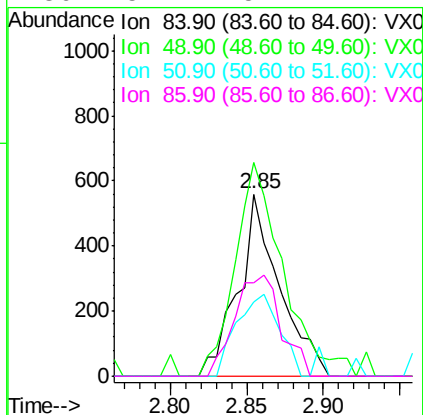
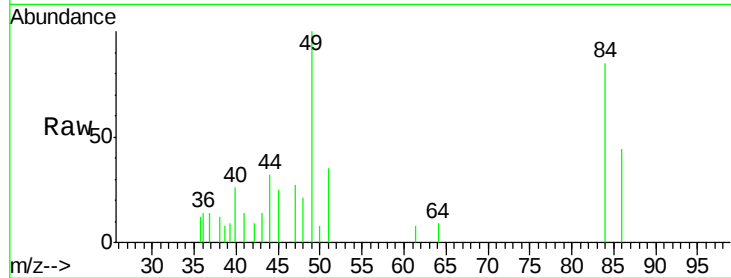




#20
Methylene Chloride
Concen: 0.356 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

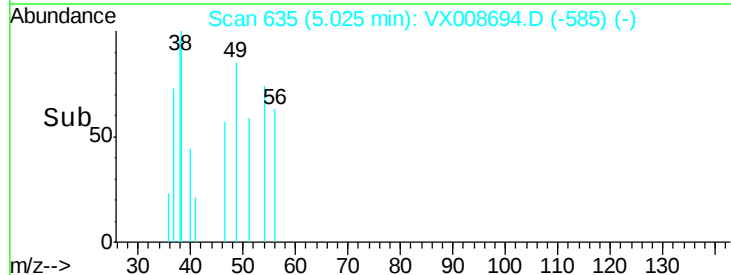
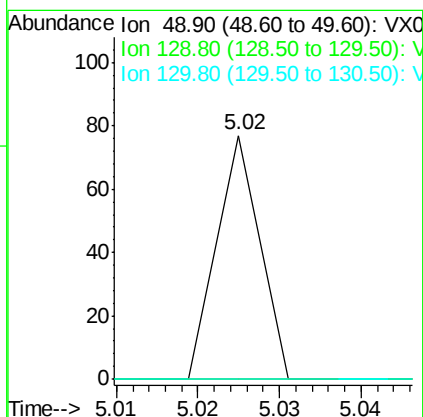
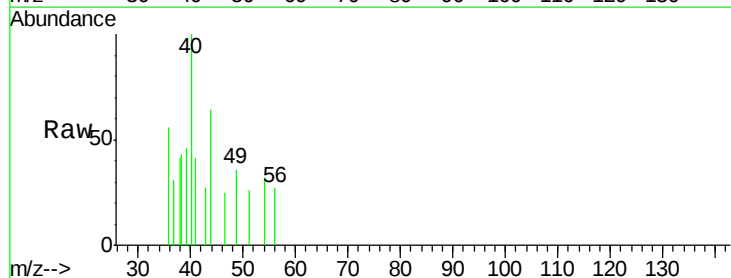
Instrument :
MSVOA_X
ClientSampled :
S8-0710

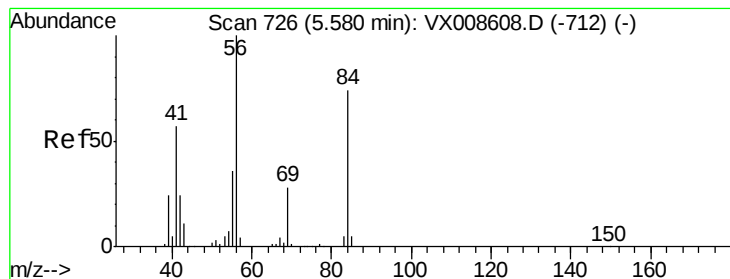
Tot Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 117.1 109.7 164.5
51 40.9 33.6 50.4
86 51.4 51.4 77.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

Tgt Ion: 49 Resp: 28
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#





#31

Cyclohexane

Concen: 0.952 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

S8-0710

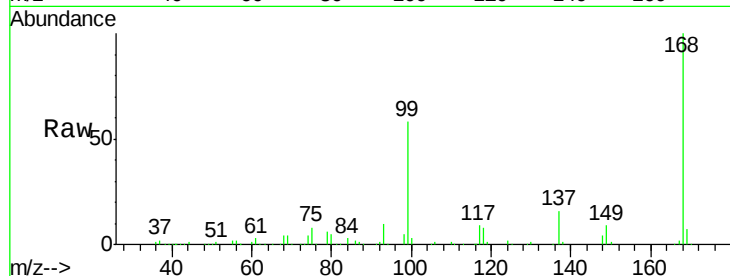
Tot Ion: 56 Resp: 5018

Ion Ratio Lower Upper

56 100

69 180.5 22.6 33.8#

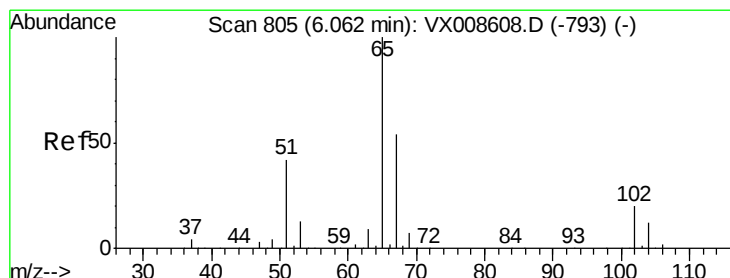
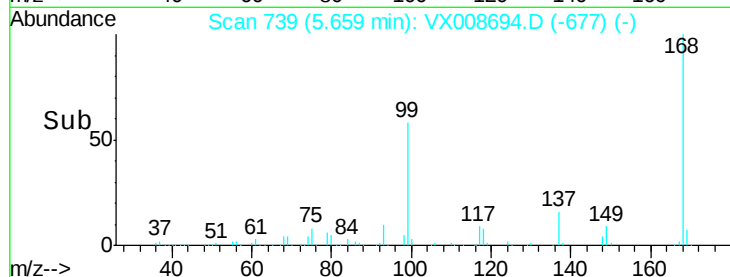
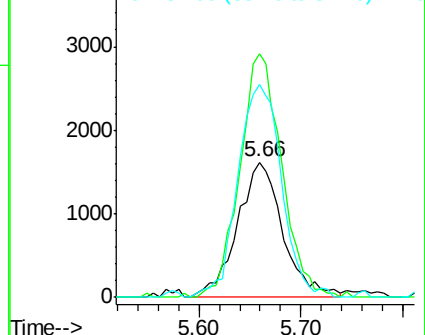
84 158.1 59.3 88.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.063 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008694.D

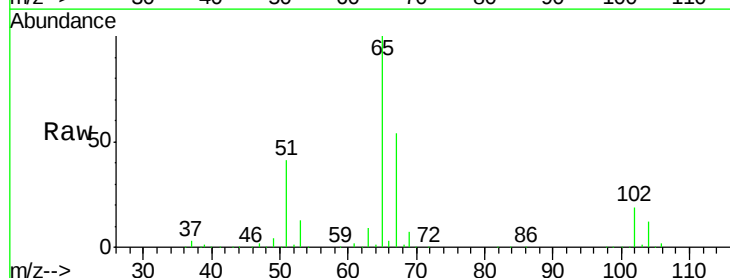
Acq: 05 Apr 2019 20:06

Tgt Ion: 65 Resp: 143578

Ion Ratio Lower Upper

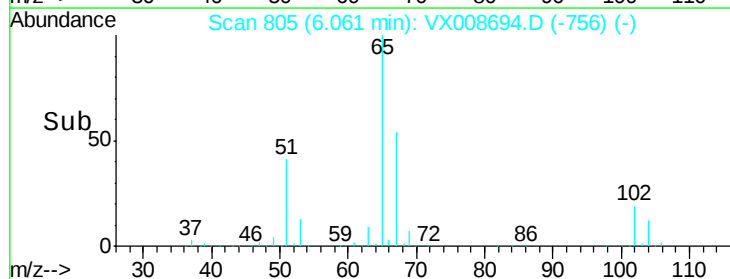
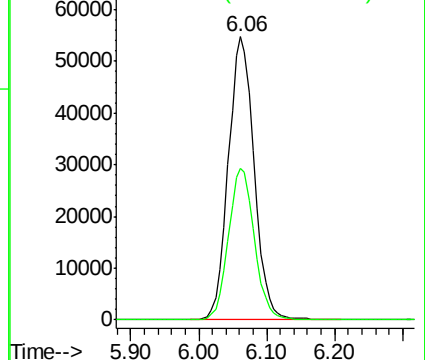
65 100

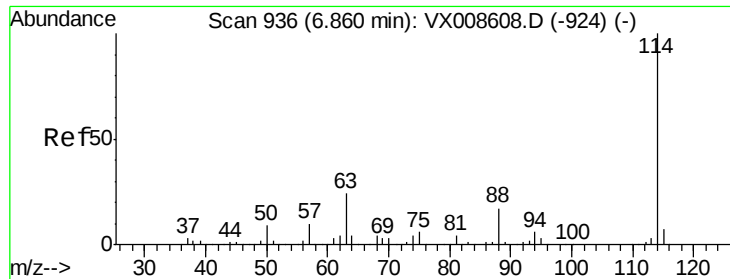
67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

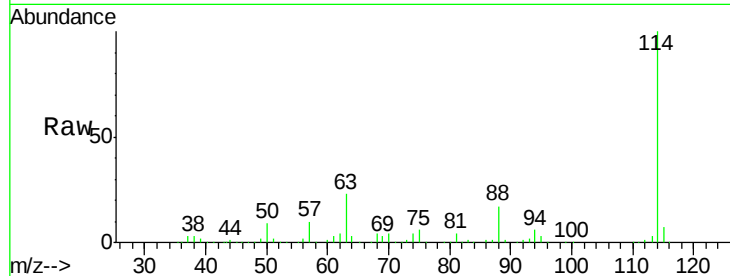




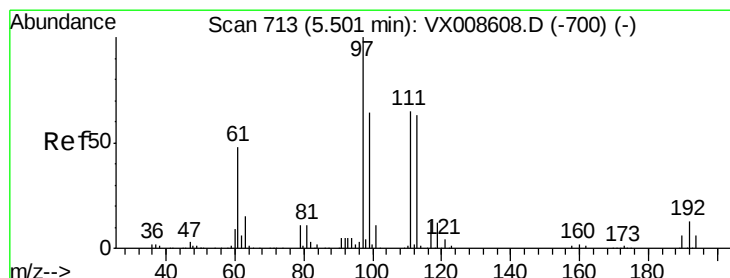
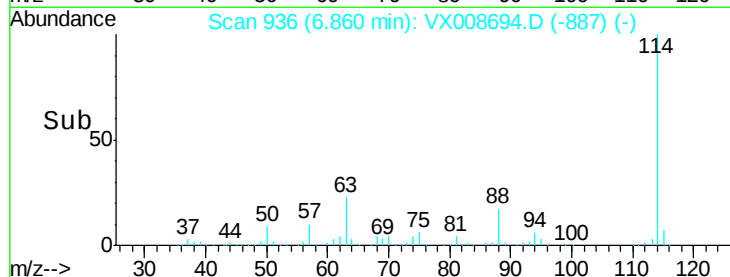
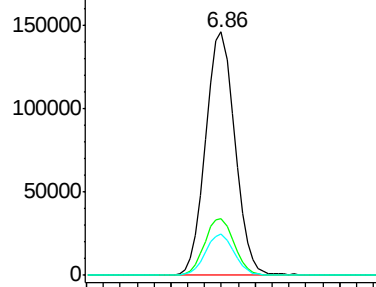
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008694.D
 Acq: 05 Apr 2019 20:06

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0710

Tot Ion:114 Resp: 345098
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.8 0.0 34.0

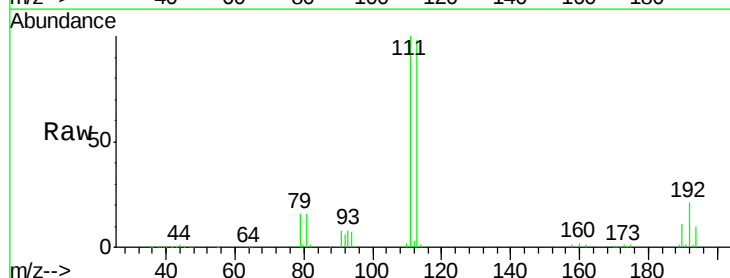


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

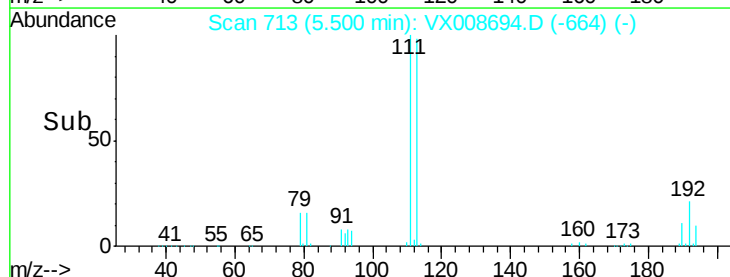
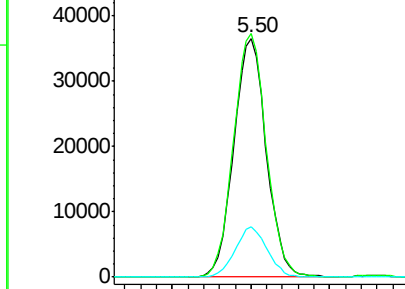


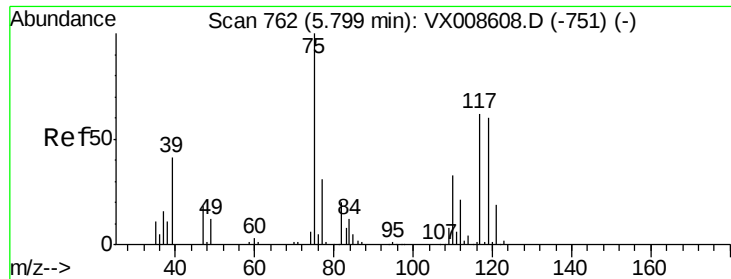
#35
 Dibromofluoromethane
 Concen: 47.532 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008694.D
 Acq: 05 Apr 2019 20:06

Tgt Ion:113 Resp: 104875
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 20.6 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: 4.502 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

S8-0710

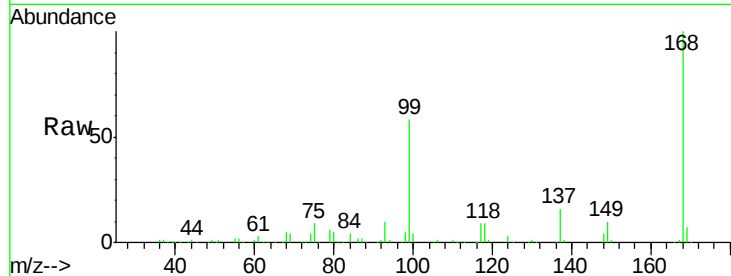
Tot Ion: 75 Resp: 16982

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.2#

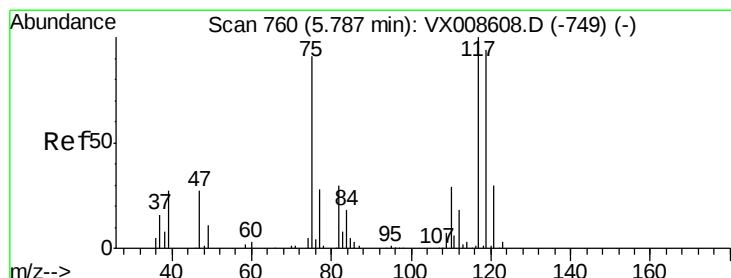
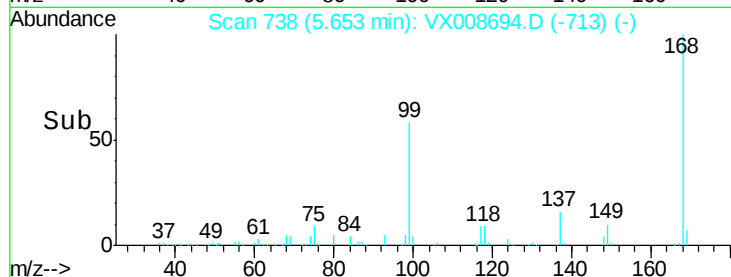
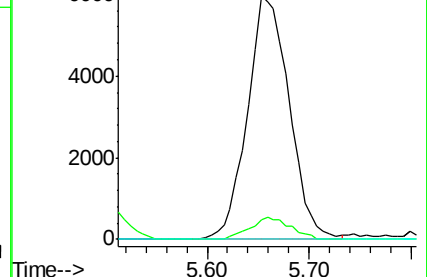
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX008608.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX008608.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX008608.D (-751) (-)



#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

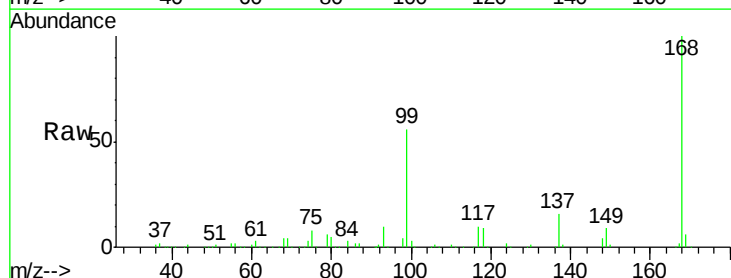
Tgt Ion: 117 Resp: 19922

Ion Ratio Lower Upper

117 100

119 4.0 75.0 112.6#

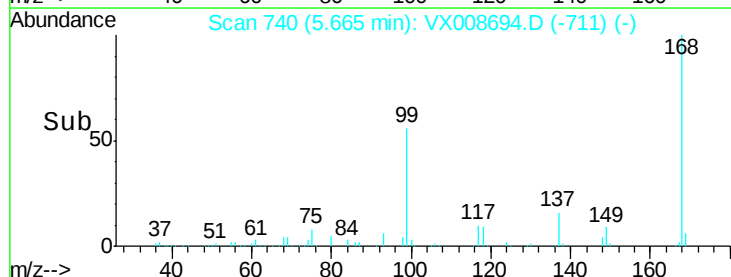
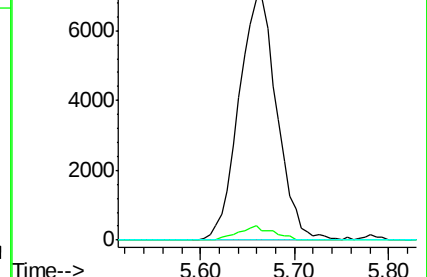
121 0.0 24.3 36.5#

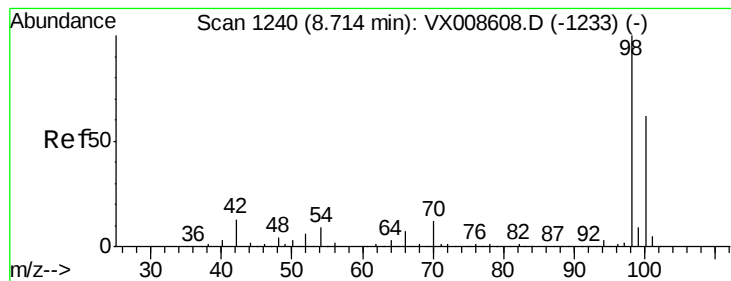


Abundance Ion 116.80 (116.50 to 117.50): VX008608.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008608.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008608.D (-749) (-)





#50

Toluene-d8

Concen: 49.539 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampled :

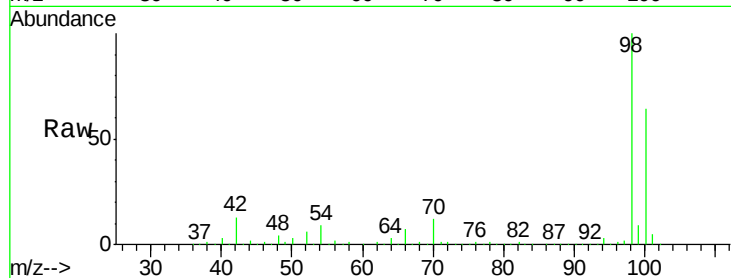
S8-0710

Tot Ion: 98 Resp: 435222

Ion Ratio Lower Upper

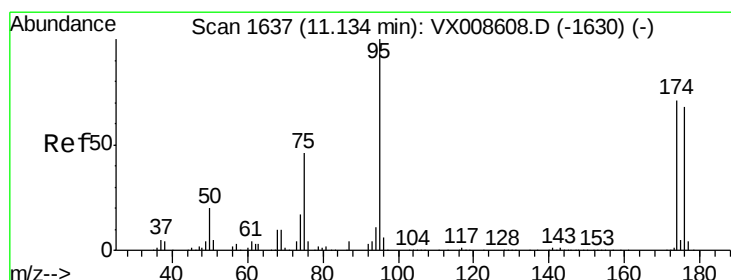
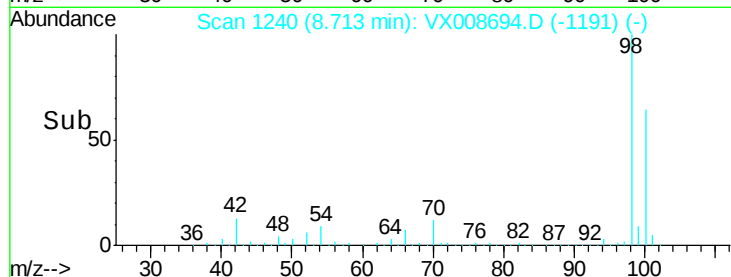
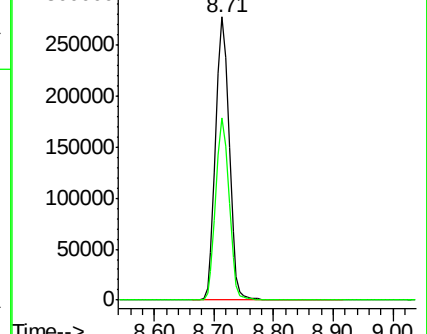
98 100

100 63.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.443 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

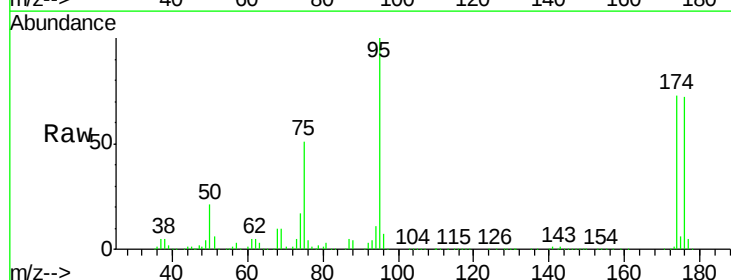
Tgt Ion: 95 Resp: 147806

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.8

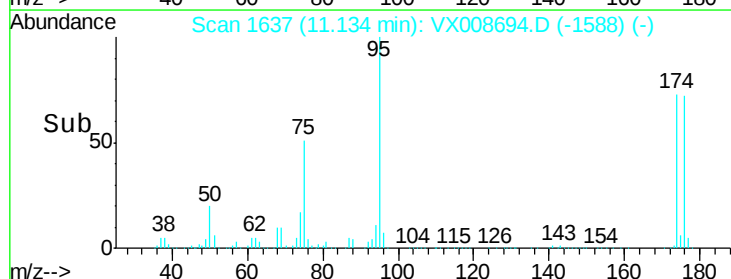
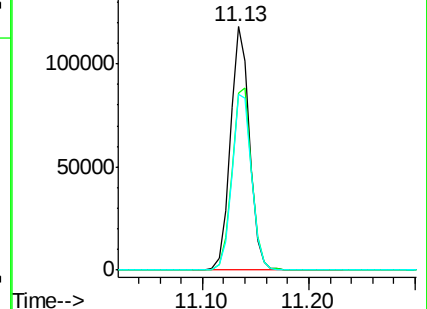
176 74.9 0.0 145.8

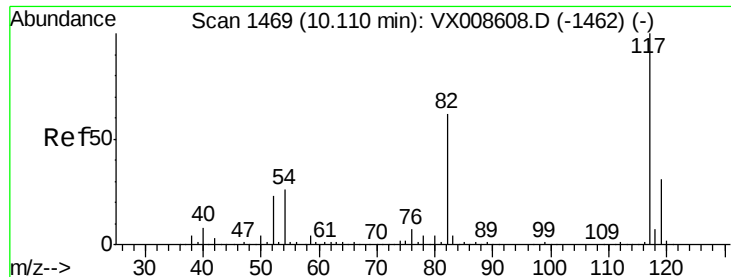


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

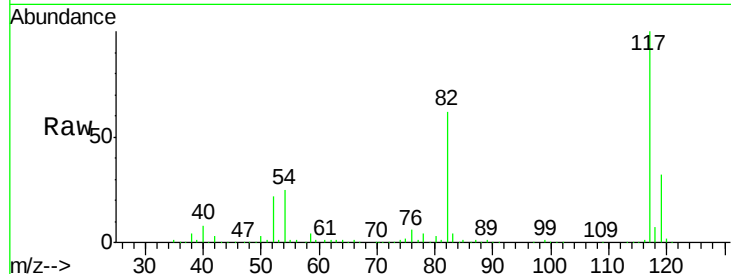




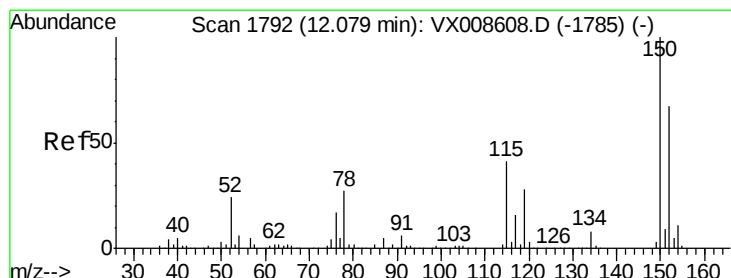
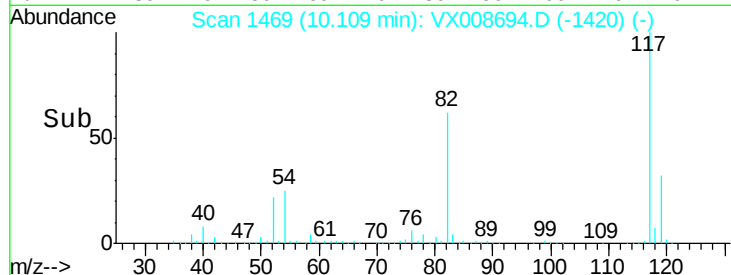
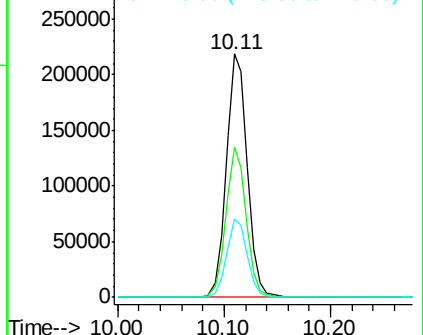
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

Instrument :
MSVOA_X
ClientSampled :
S8-0710

Tot Ion:117 Resp: 300340
Ion Ratio Lower Upper
117 100
82 61.6 49.6 74.4
119 32.4 25.0 37.4

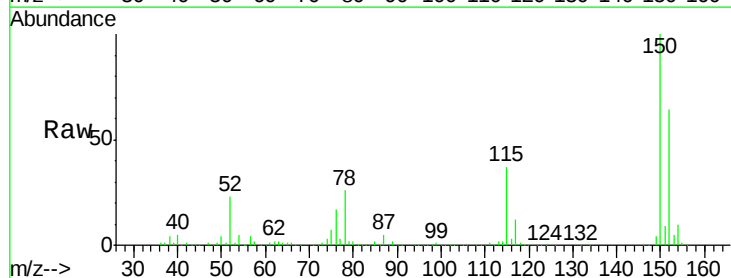


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

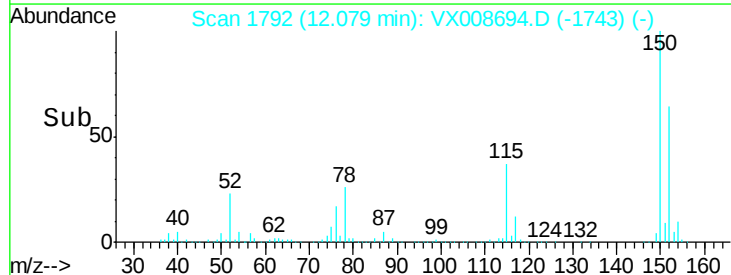
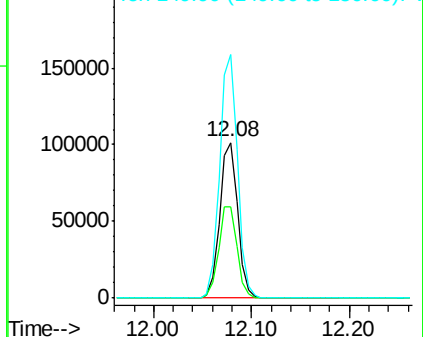


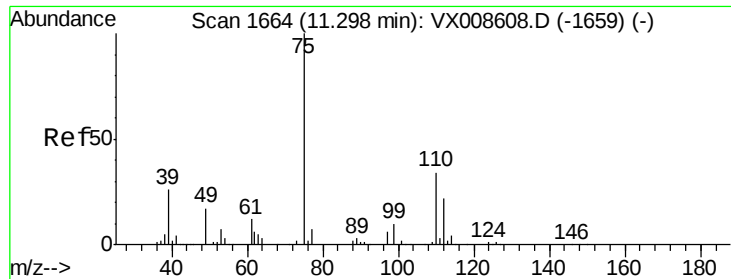
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008694.D
Acq: 05 Apr 2019 20:06

Tgt Ion:152 Resp: 128033
Ion Ratio Lower Upper
152 100
115 60.5 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: 21.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Instrument :

MSVOA_X

ClientSampleId :

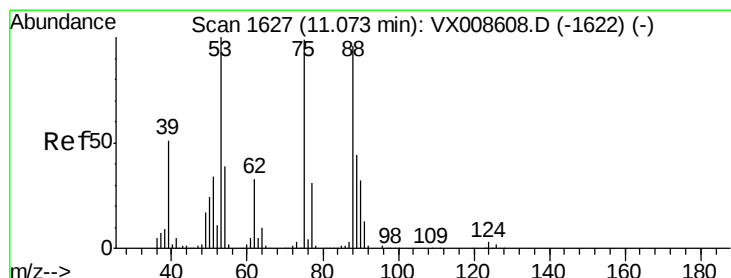
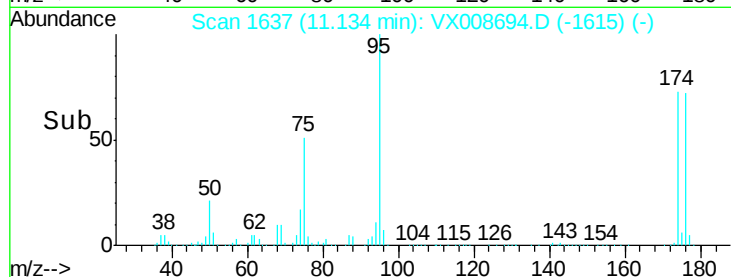
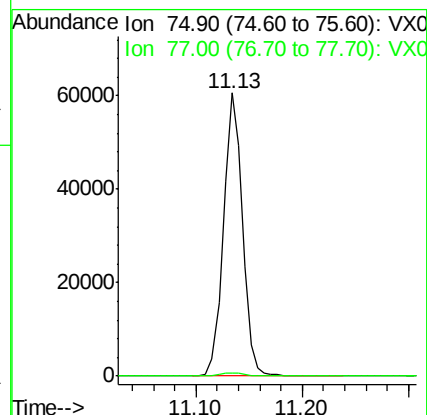
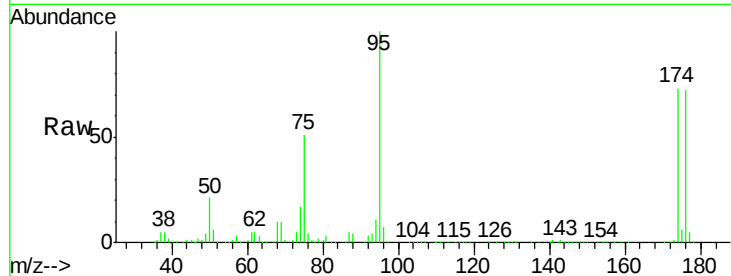
S8-0710

Tot Ion: 75 Resp: 75279

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.999 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008694.D

Acq: 05 Apr 2019 20:06

Tgt Ion: 75 Resp: 75279

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

