

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008911.D
 Acq On : 13 Apr 2019 01:38
 Operator : JC/SP
 Sample : K2367-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0704

Quant Time: Apr 13 05:05:42 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	188023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	264800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110921	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	125022	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
35) Dibromofluoromethane	5.50	113	90598	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	380010	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	126257	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

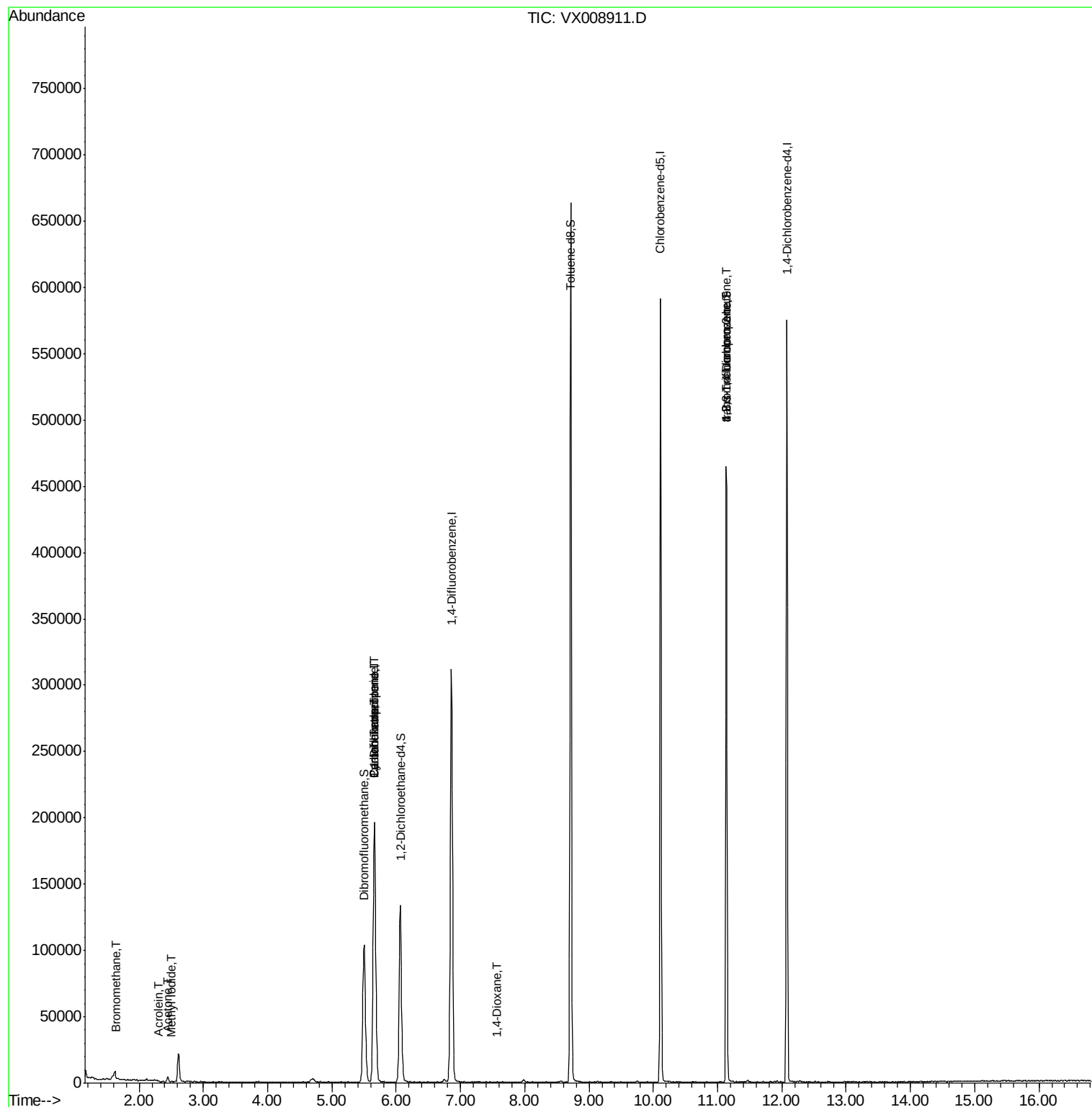
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	540	Below Cal		91
5) Bromomethane	1.64	94	296	2.083 ug/l #		57
6) Chloroethane	1.71	64	44	Below Cal #		43
10) Methyl Iodide	2.51	142	47	4.026 ug/l #		42
13) Acrolein	2.29	56	66	0.207 ug/l #		13
16) Acetone	2.45	43	3830	2.425 ug/l		97
17) Carbon Disulfide	2.57	76	516	Below Cal #		75
28) Bromochloromethane	5.02	49	21	Below Cal #		22
31) Cyclohexane	5.67	56	4129	0.871 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	15262	4.600 ug/l #		51
38) Carbon Tetrachloride	5.67	117	17766	6.469 ug/l #		16
49) 1,4-Dioxane	7.56	88	19	0.289 ug/l #		19
76) 1,2,3-Trichloropropane	11.13	75	64148	21.052 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	64148	58.031 ug/l #		9

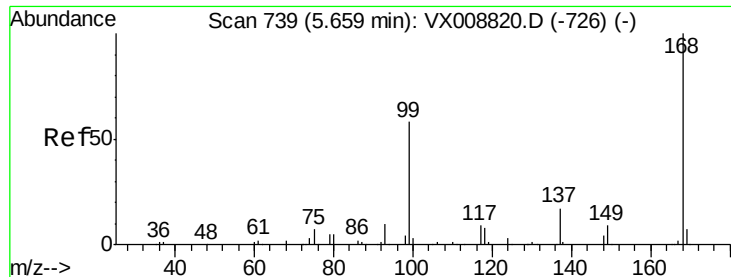
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
S8-0704

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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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampleId :

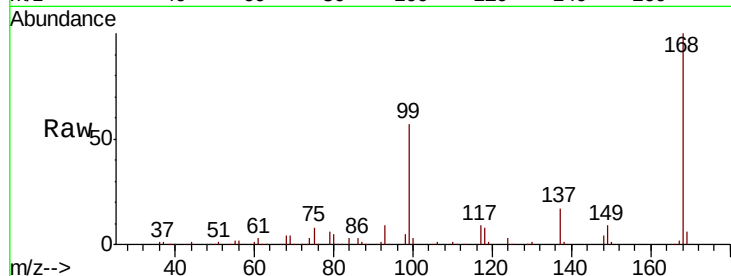
S8-0704

Tot Ion:168 Resp: 188023

Ion Ratio Lower Upper

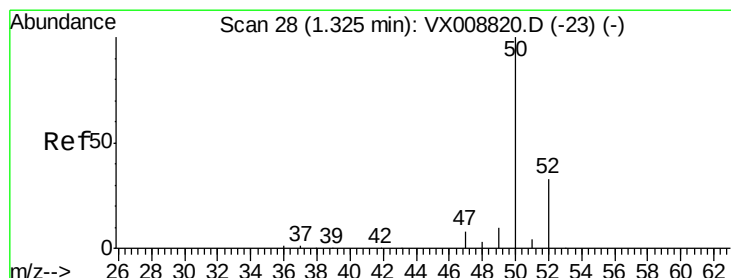
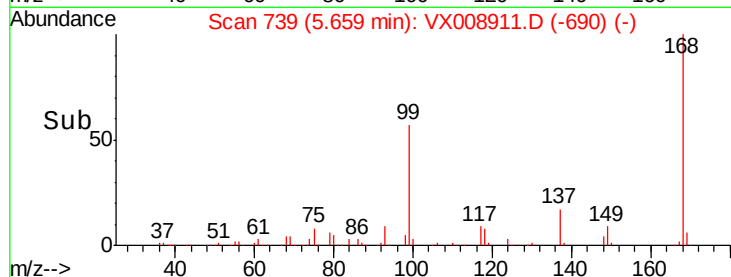
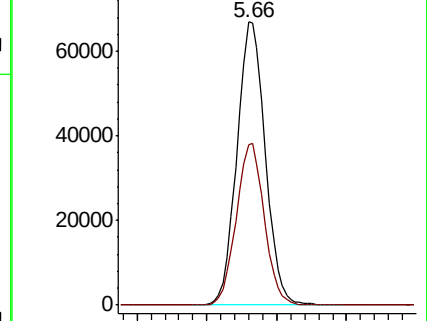
168 100

99 56.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008911.D

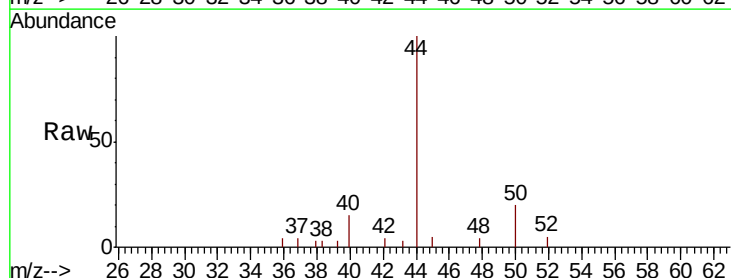
Acq: 13 Apr 2019 01:38

Tgt Ion: 50 Resp: 540

Ion Ratio Lower Upper

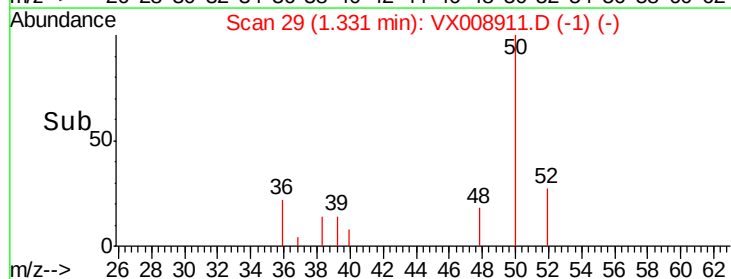
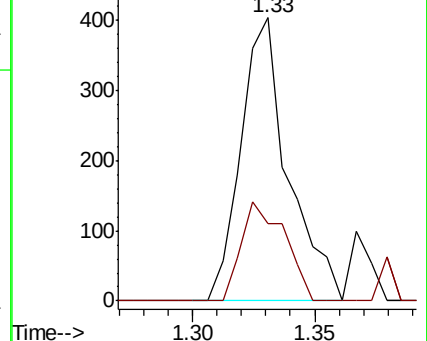
50 100

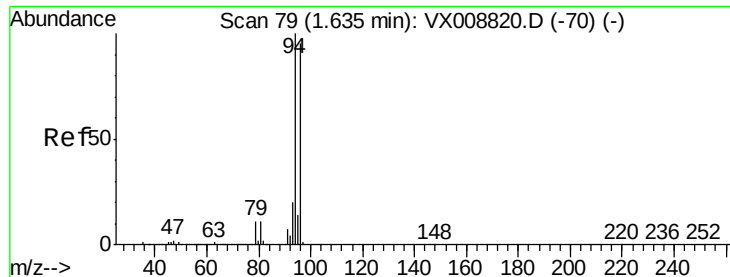
52 27.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.083 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampleId :

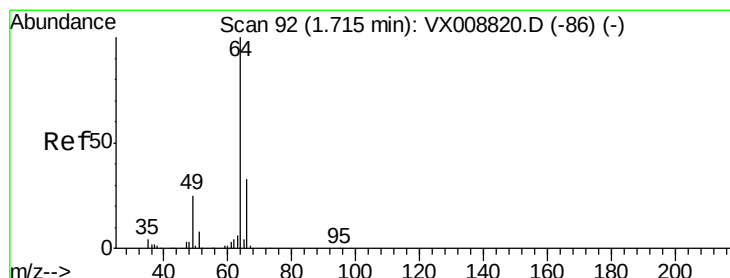
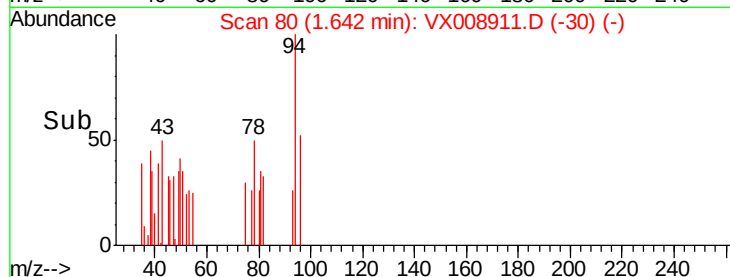
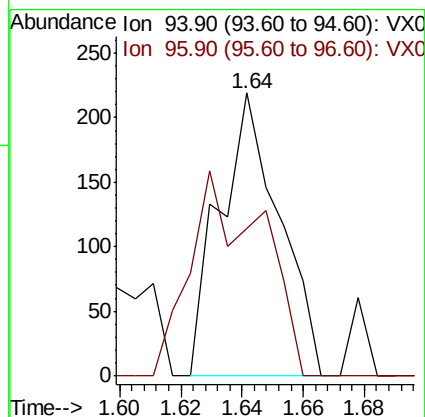
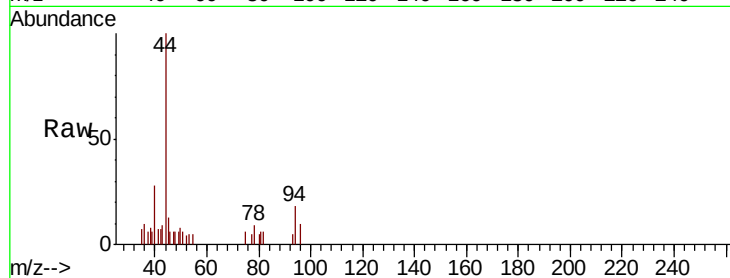
S8-0704

Tot Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 52.1 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008911.D

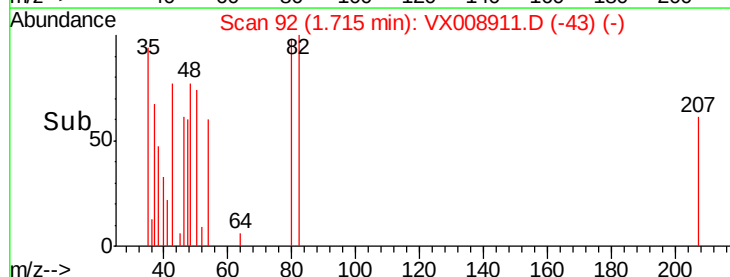
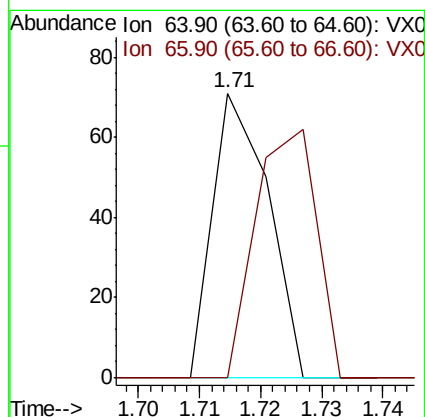
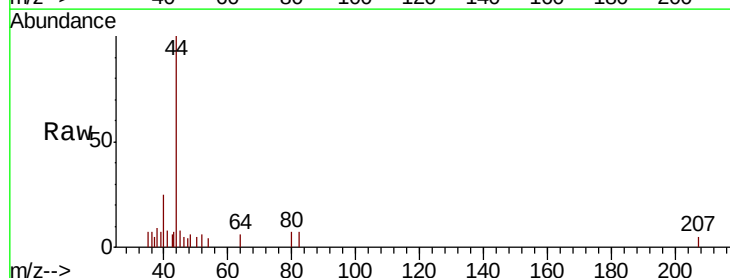
Acq: 13 Apr 2019 01:38

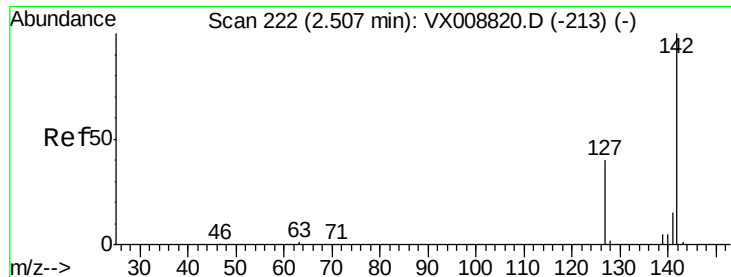
Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

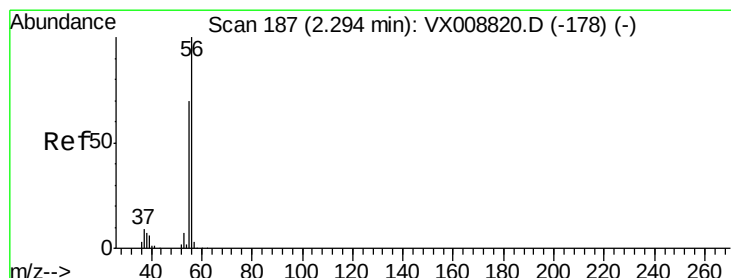
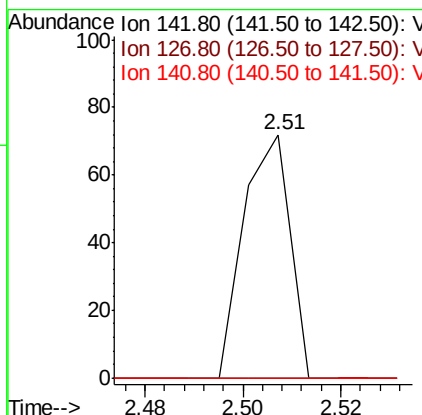
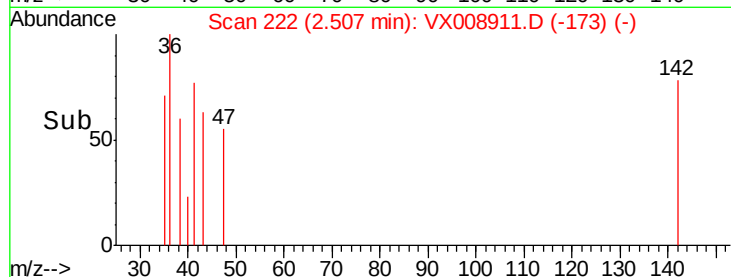
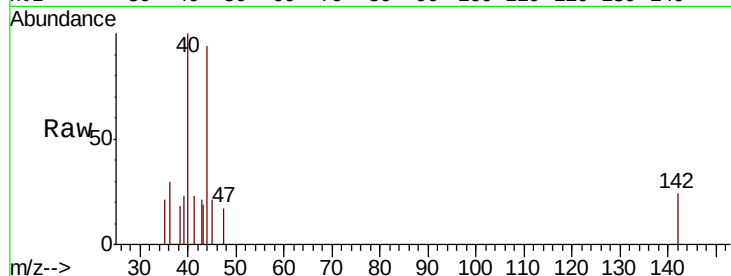




#10
Methvl Iodide
Concen: 4.026 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

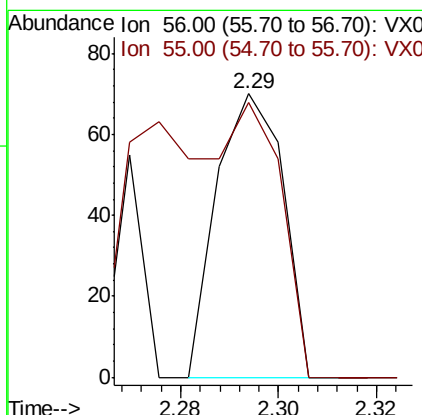
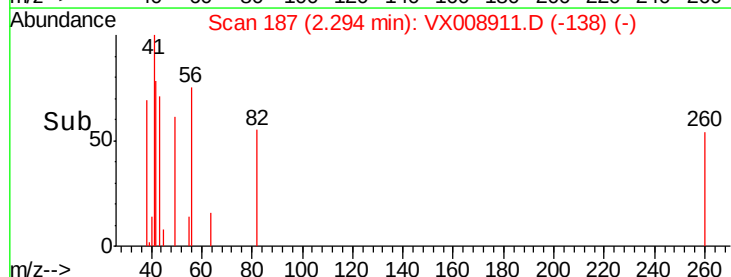
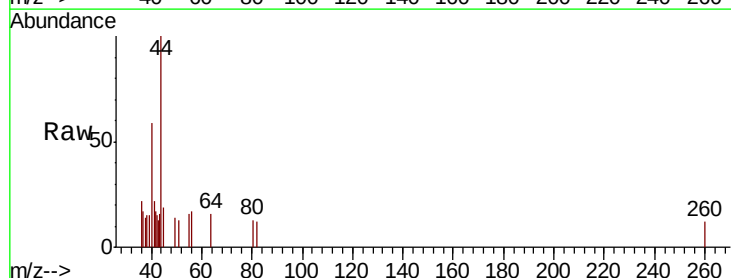
Instrument :
MSVOA_X
ClientSampleId :
S8-0704

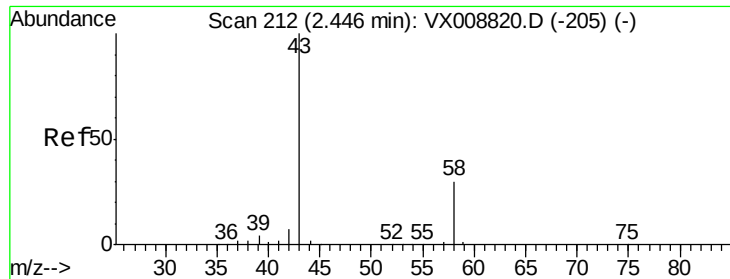
Tot Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.207 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#





#16

Acetone

Concen: 2.425 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampled :

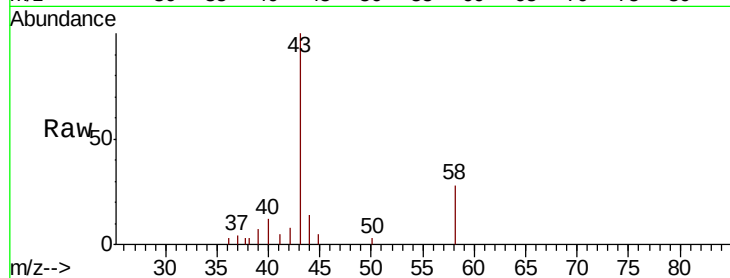
S8-0704

Tot Ion: 43 Resp: 3830

Ion Ratio Lower Upper

43 100

58 29.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

1500

1000

500

0

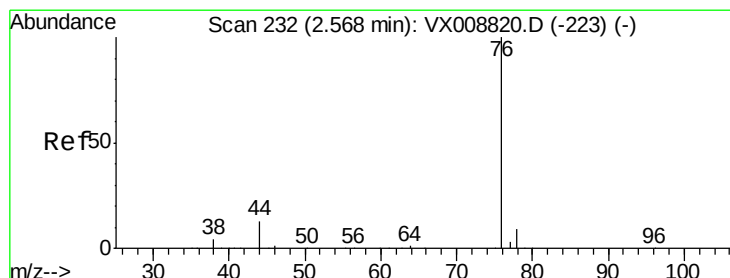
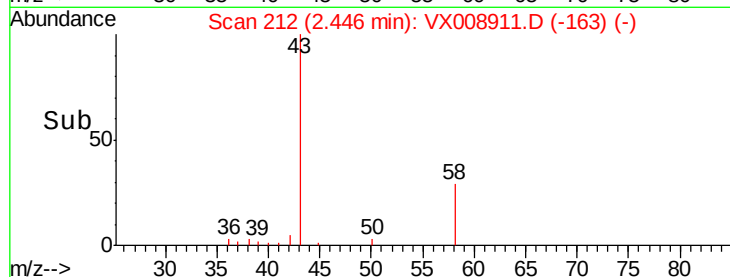
Time-->

2.35

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008911.D

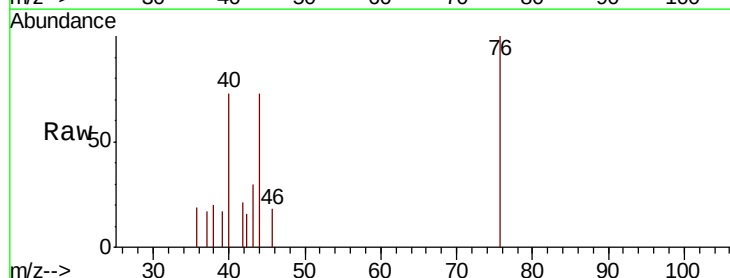
Acq: 13 Apr 2019 01:38

Tgt Ion: 76 Resp: 516

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

2.57

300

200

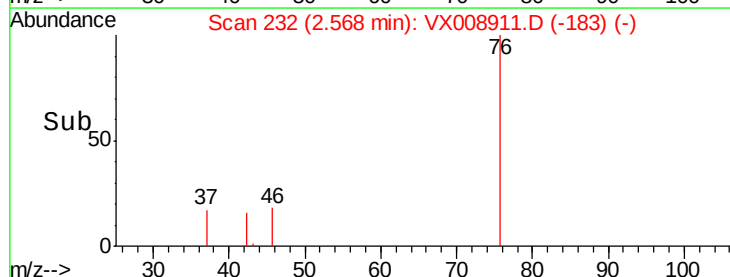
100

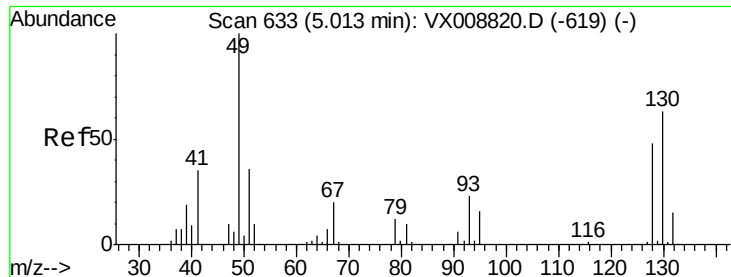
0

Time-->

2.55

2.60





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampleId :

S8-0704

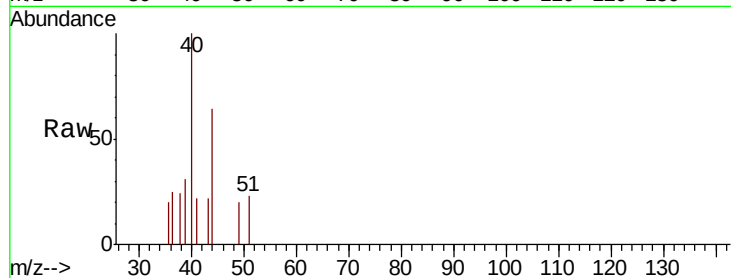
Tot Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

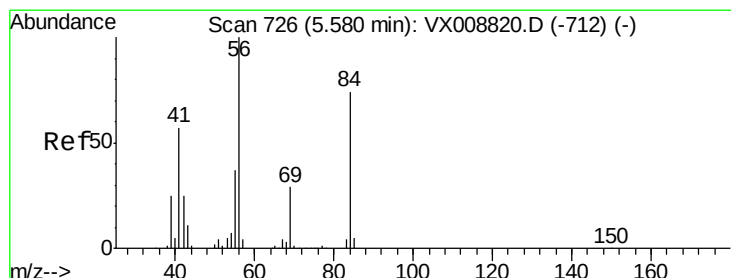
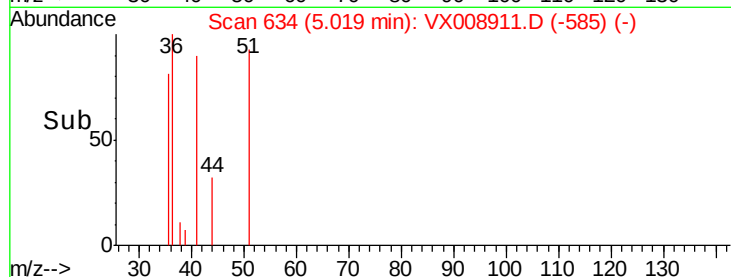
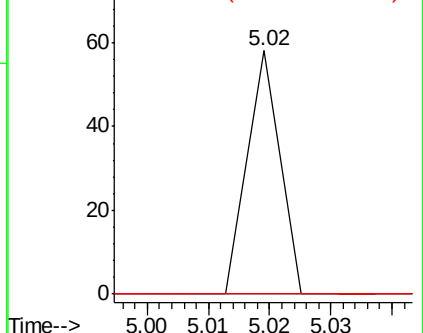
130 0.0 49.3 73.9#



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



#31

Cyclohexane

Concen: 0.871 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

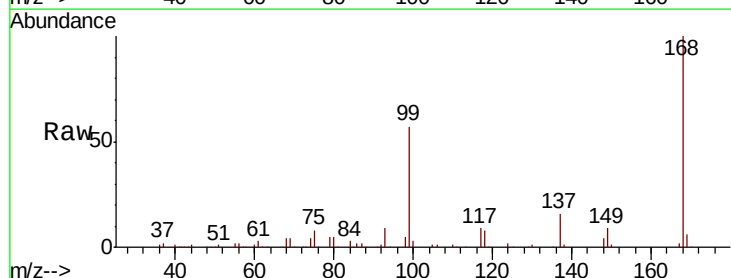
Tgt Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

69 186.6 22.6 33.8#

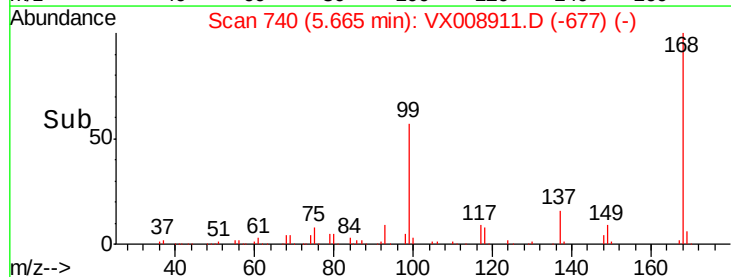
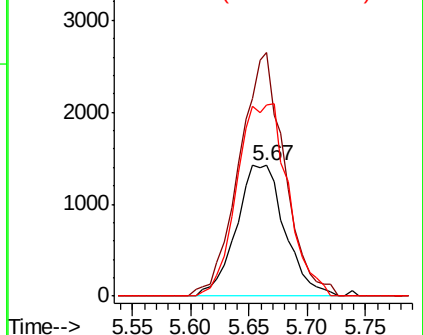
84 146.9 59.3 88.9#

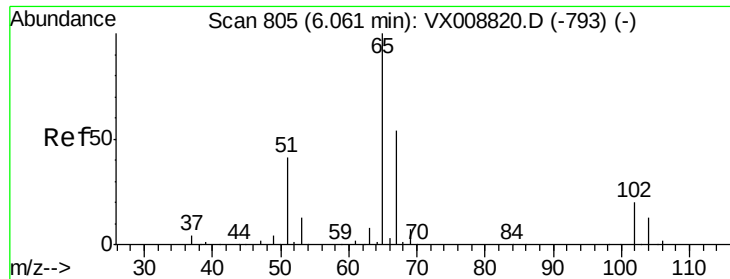


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

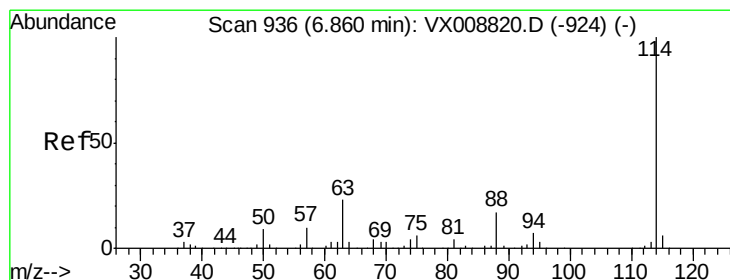
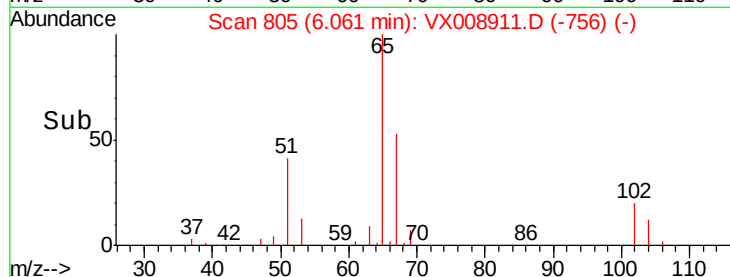
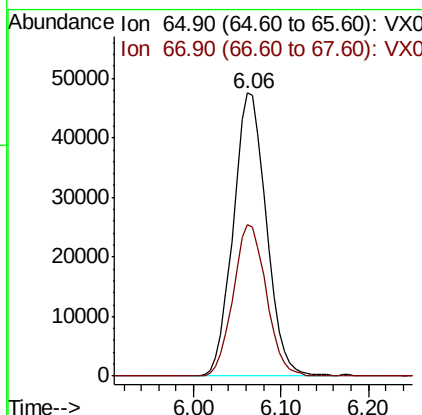
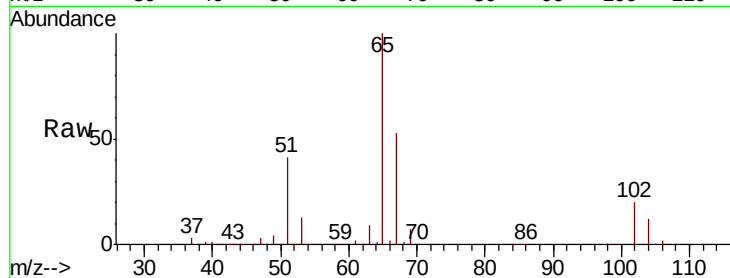




#33
 1,2-Dichloroethane-d4
 Concen: 45.588 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008911.D
 Acq: 13 Apr 2019 01:38

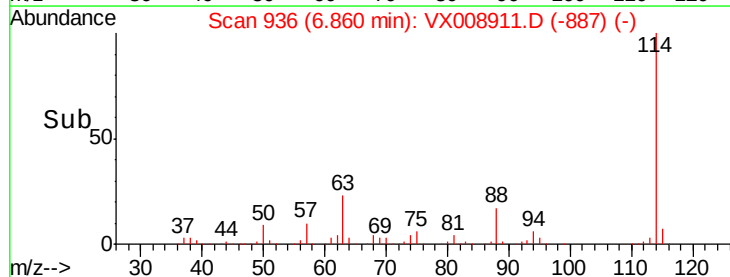
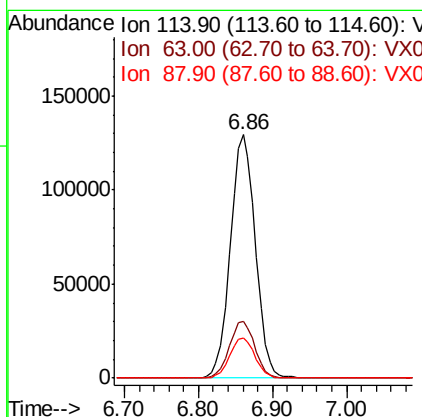
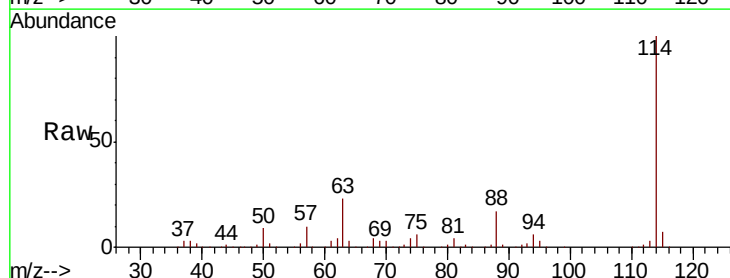
Instrument :
 MSVOA_X
 ClientSampled :
 S8-0704

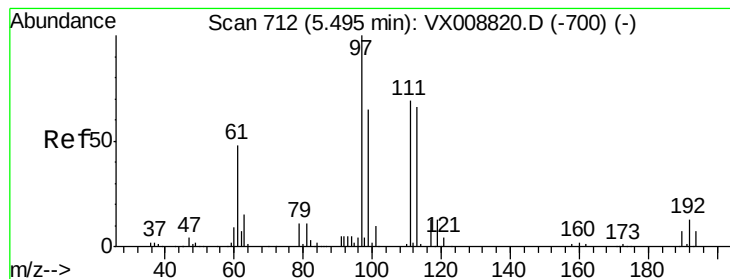
Tot Ion: 65 Resp: 125022
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008911.D
 Acq: 13 Apr 2019 01:38

Tgt Ion: 114 Resp: 303557
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.680 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampleId :

S8-0704

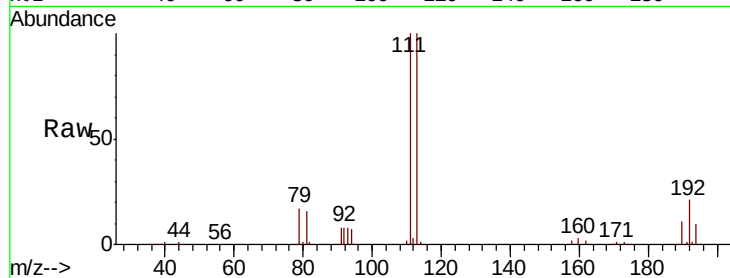
Tot Ion:113 Resp: 90598

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

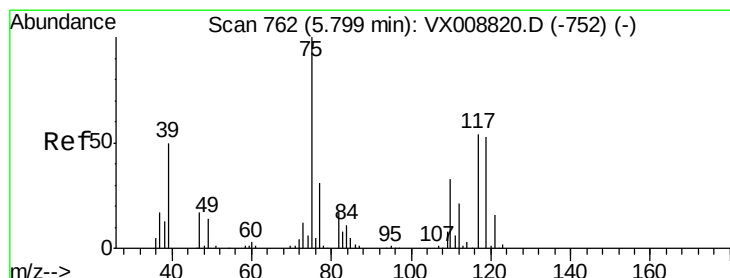
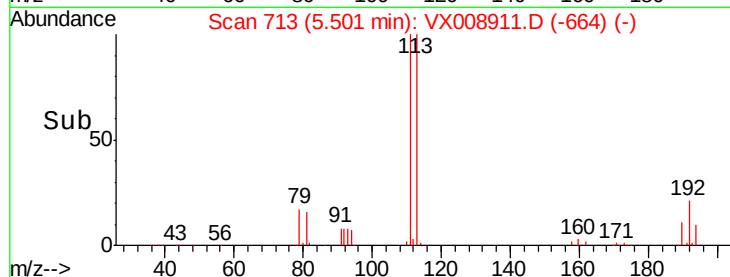
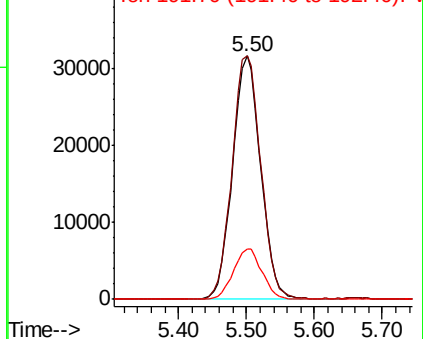
192 21.0 16.1 24.1



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: 4.600 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

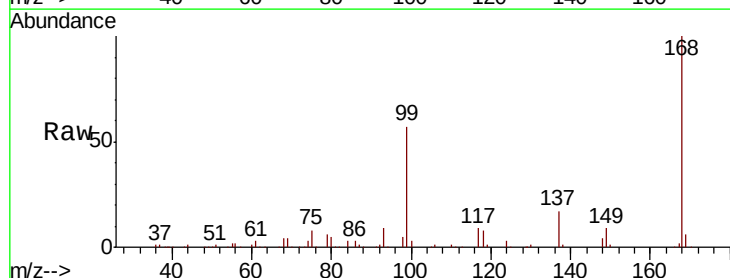
Tgt Ion: 75 Resp: 15262

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.2#

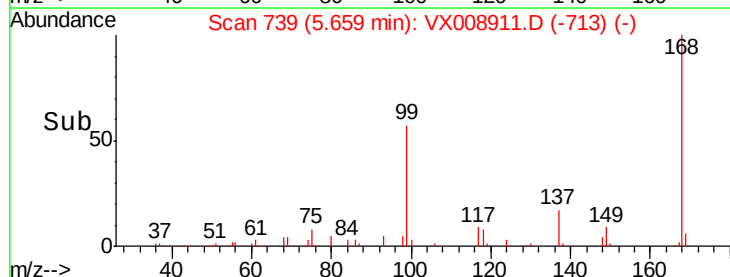
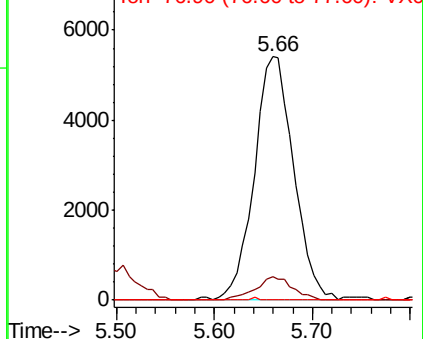
77 0.1 24.7 37.1#

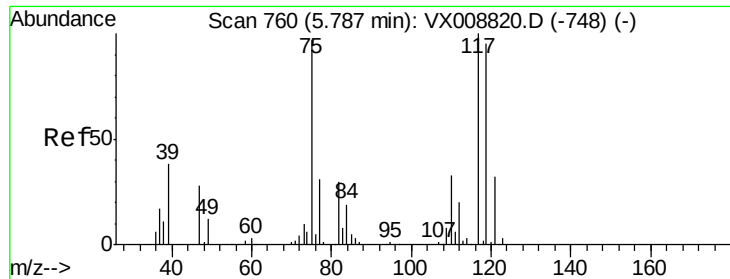


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

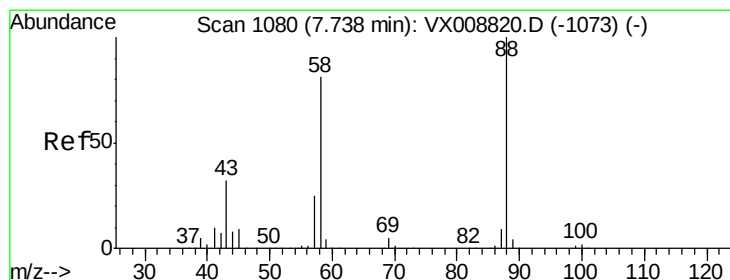
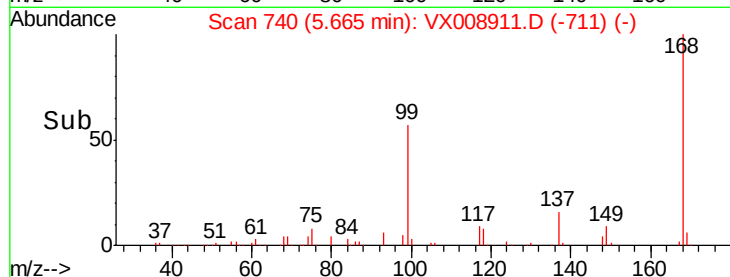
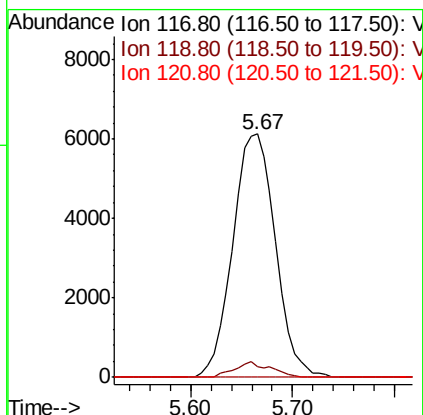
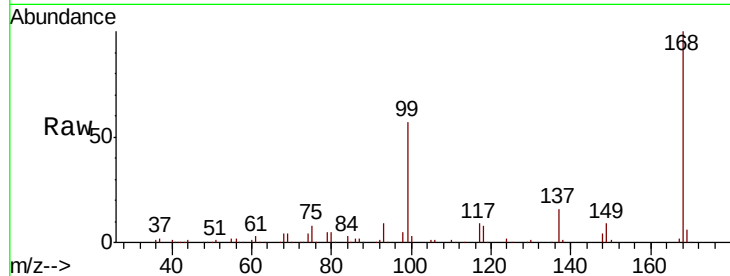




#38
Carbon Tetrachloride
Concen: 6.469 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

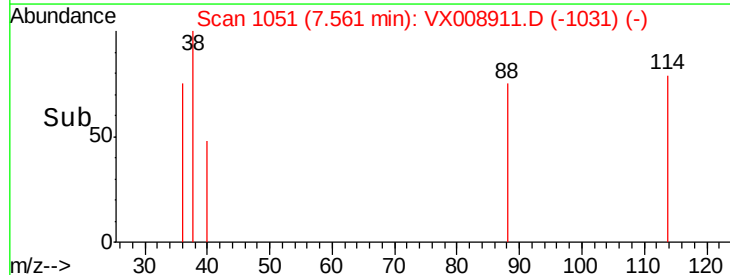
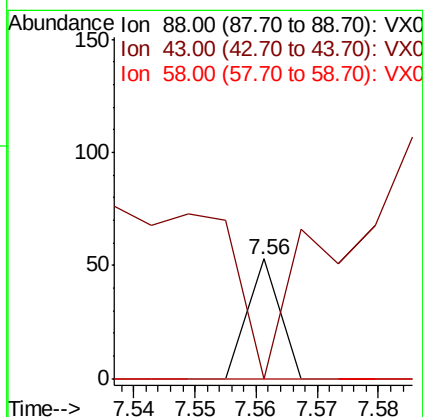
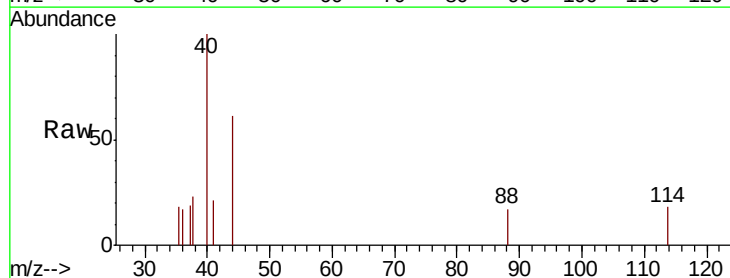
Instrument :
MSVOA_X
ClientSampled :
S8-0704

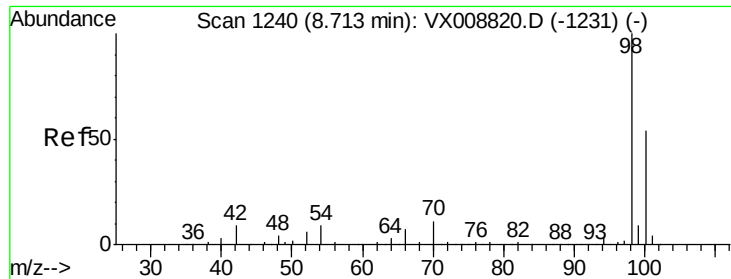
Tot Ion:117 Resp: 17766
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 0.289 ug/l
RT: 7.56 min Scan# 1051
Delta R.T. -0.18 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 0.0 62.2 93.2#





#50

Toluene-d8

Concen: 49.174 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

Instrument :

MSVOA_X

ClientSampled :

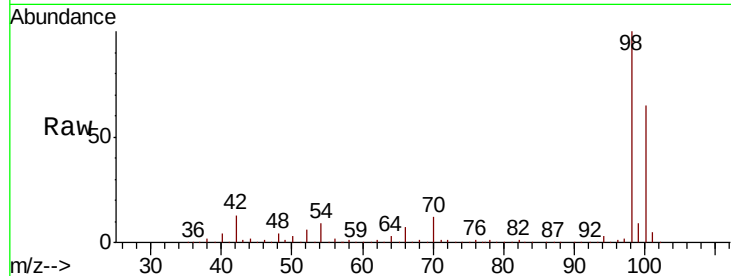
S8-0704

Tot Ion: 98 Resp: 380010

Ion Ratio Lower Upper

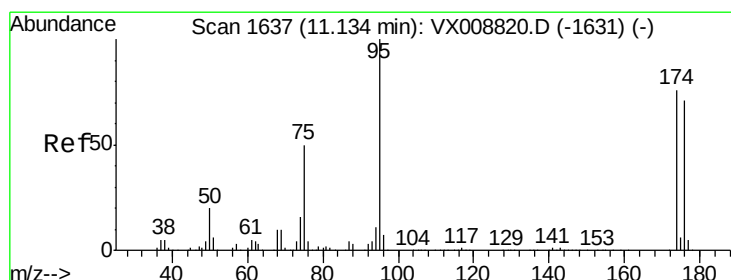
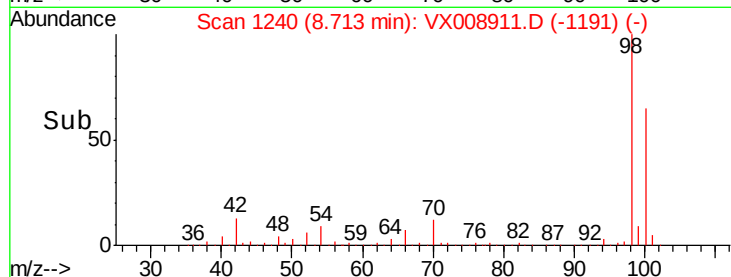
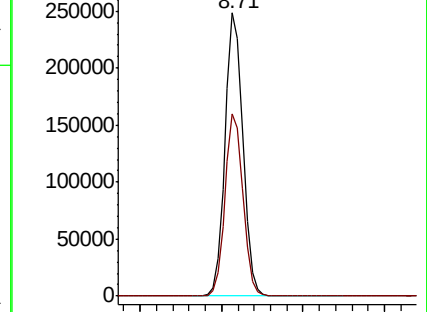
98 100

100 64.7 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: 46.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008911.D

Acq: 13 Apr 2019 01:38

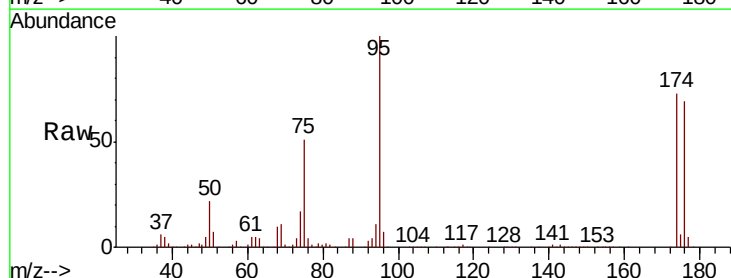
Tgt Ion: 95 Resp: 126257

Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.8

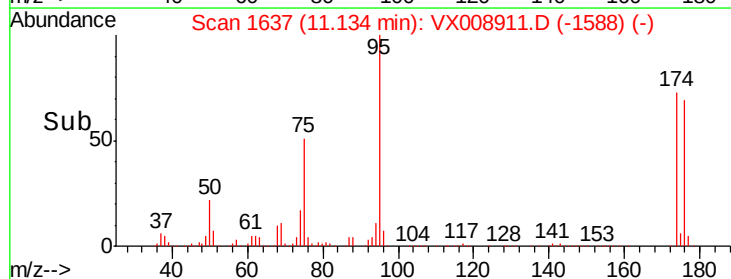
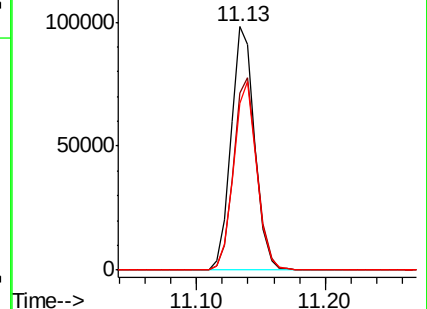
176 76.2 0.0 145.8

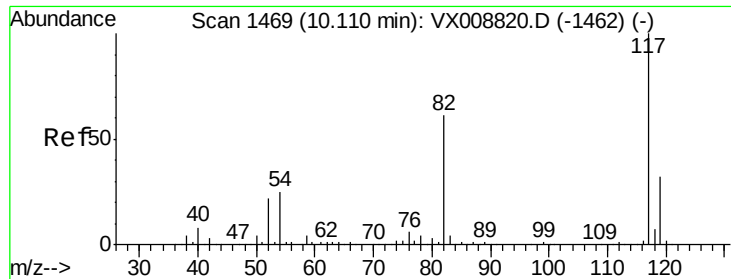


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

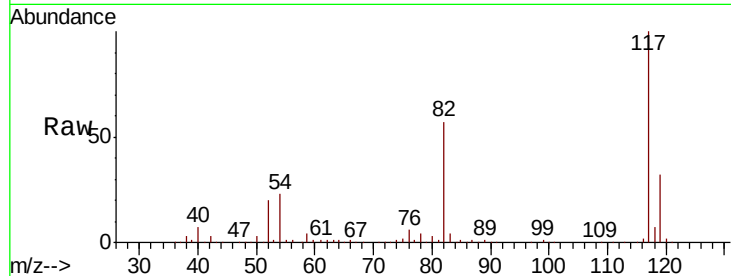




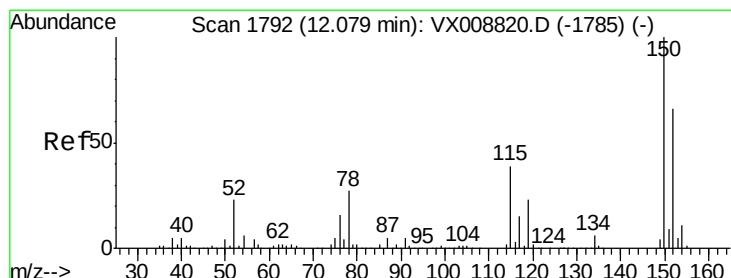
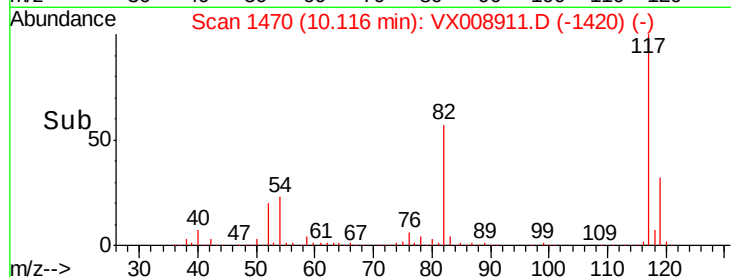
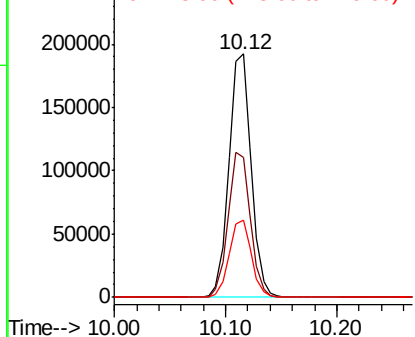
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

Instrument :
MSVOA_X
ClientSampled :
S8-0704

Tot Ion:117 Resp: 264800
Ion Ratio Lower Upper
117 100
82 57.2 49.6 74.4
119 31.7 25.0 37.4

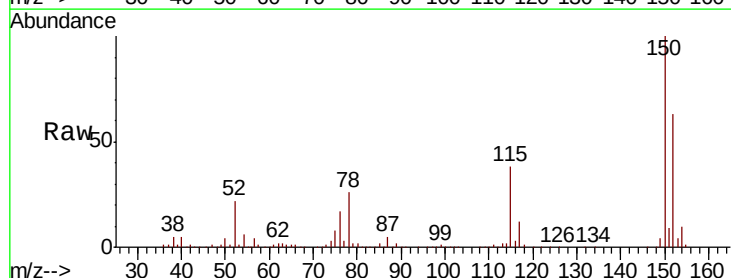


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

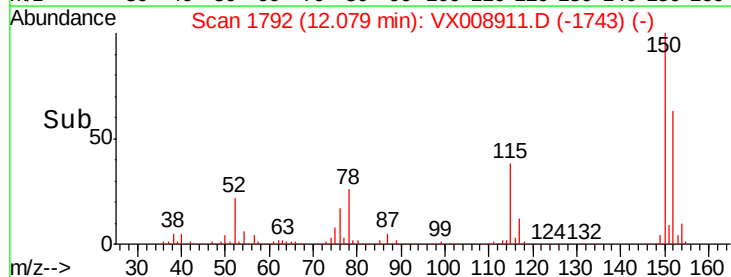
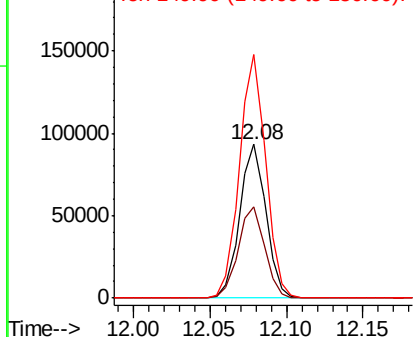


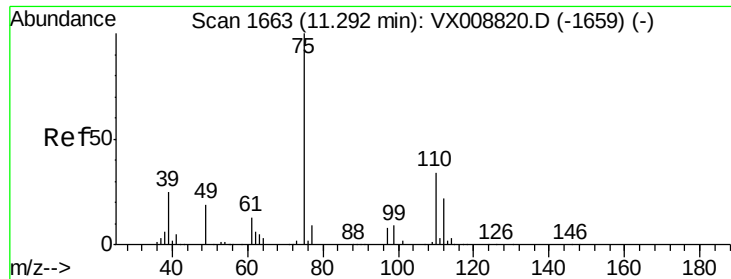
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008911.D
Acq: 13 Apr 2019 01:38

Tgt Ion:152 Resp: 110921
Ion Ratio Lower Upper
152 100
115 60.0 43.5 130.5
150 158.6 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

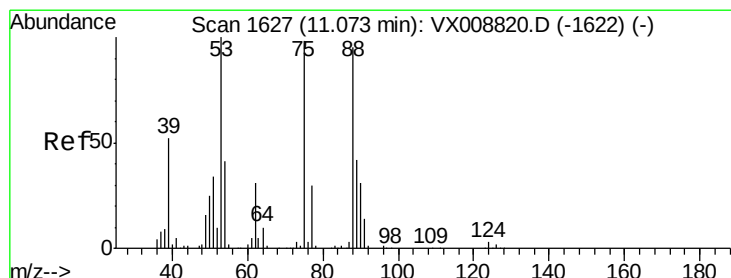
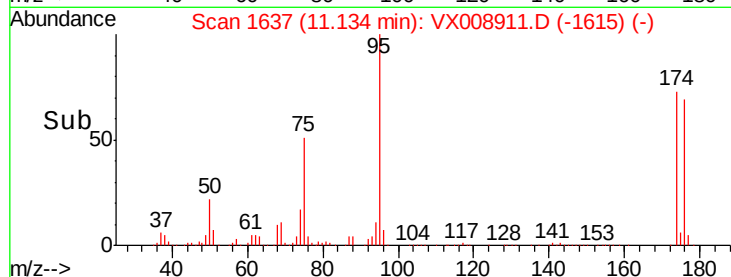
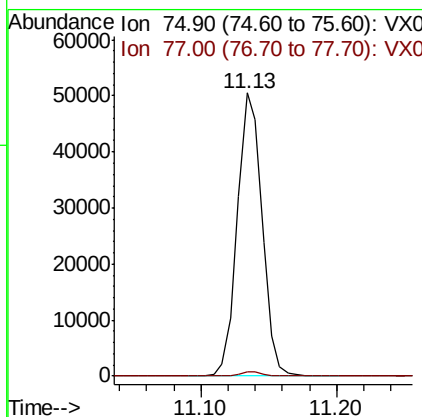
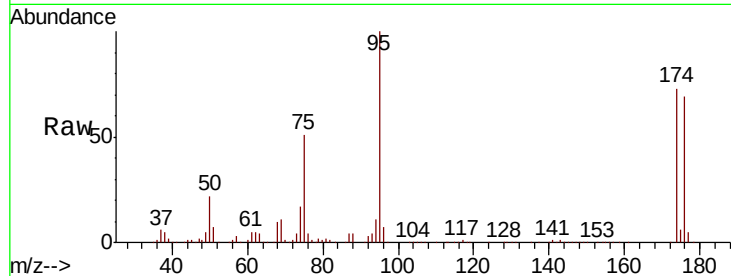




#76
 1,2,3-Trichloropropane
 Concen: 21.052 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008911.D
 Acq: 13 Apr 2019 01:38

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0704

Tot Ion: 75 Resp: 64148
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.031 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008911.D
 Acq: 13 Apr 2019 01:38

Tgt Ion: 75 Resp: 64148
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

