

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009966.D
 Acq On : 30 May 2019 17:25
 Operator : JC/SP
 Sample : K3093-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13907

Quant Time: May 31 05:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	115939	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	5.50	113	84865	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	8.71	98	345344	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	117285	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

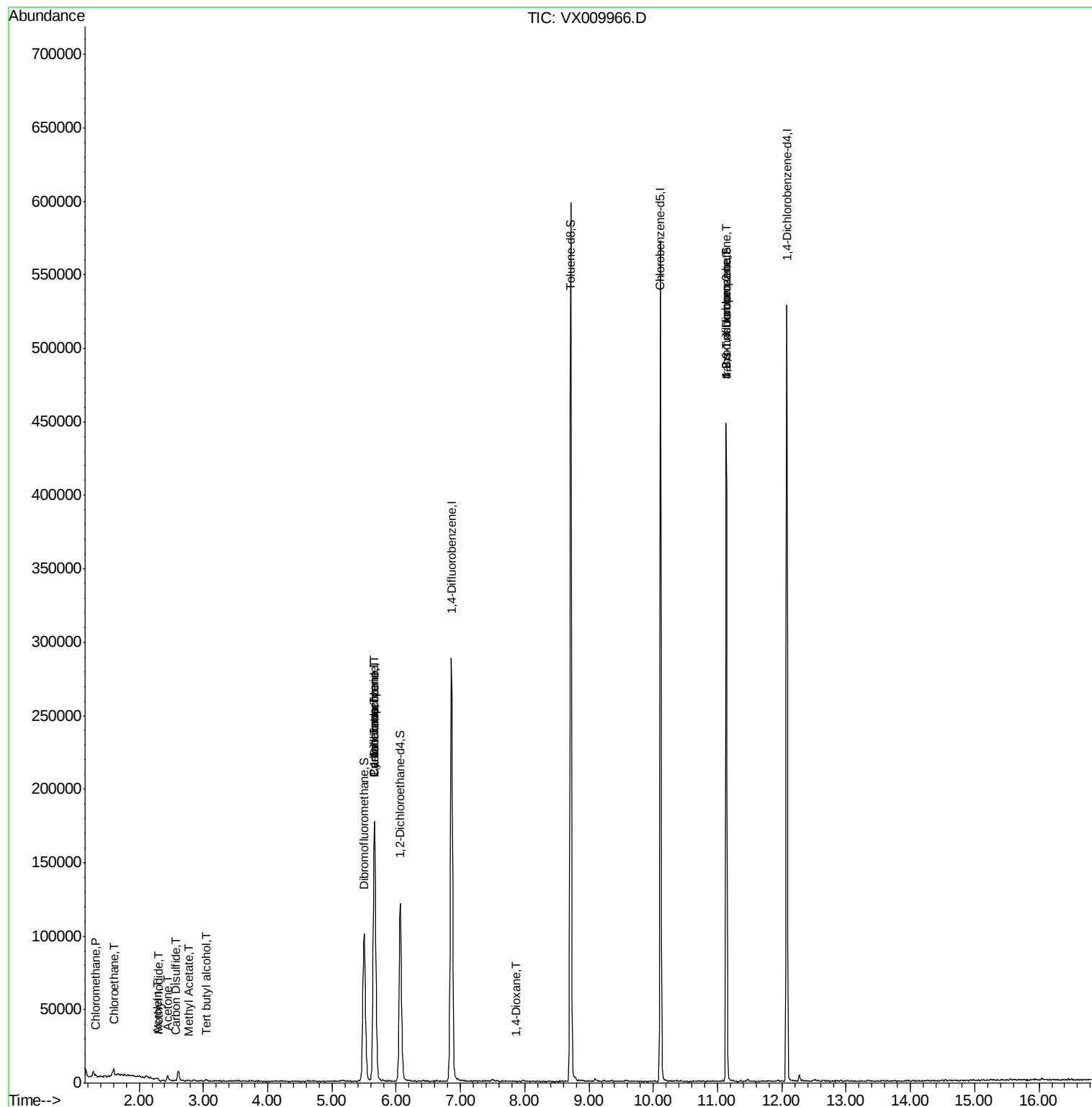
					Qvalue	
3) Chloromethane	1.32	50	1353	0.487	ug/l	93
6) Chloroethane	1.61	64	3877	2.513	ug/l #	51
10) Methyl Iodide	2.31	142	21	4.666	ug/l #	42
11) Tert butyl alcohol	3.05	59	1039	1.766	ug/l	95
13) Acrolein	2.28	56	67	21.244	ug/l #	14
16) Acetone	2.45	43	3359	2.432	ug/l	92
17) Carbon Disulfide	2.57	76	699	0.518	ug/l #	76
18) Methyl Acetate	2.78	43	797	0.248	ug/l #	63
31) Cyclohexane	5.65	56	4295	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14250	5.170	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16445	6.904	ug/l #	16
49) 1,4-Dioxane	7.87	88	20	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59872	22.926	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59872	56.723	ug/l #	10

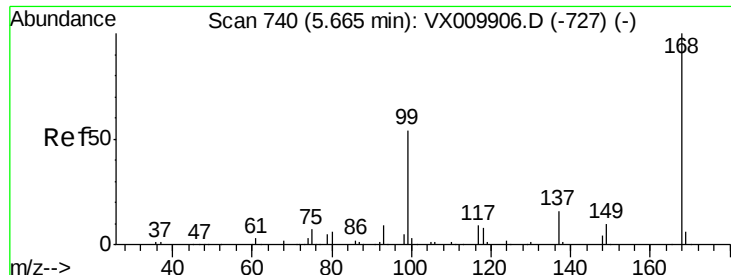
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

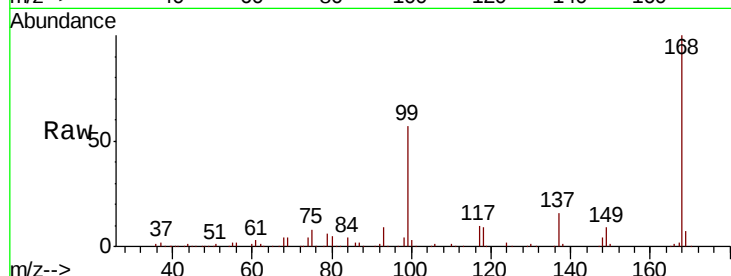
13907

Tot Ion:168 Resp: 169250

Ion Ratio Lower Upper

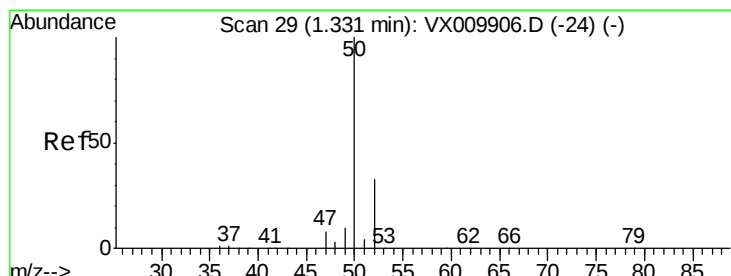
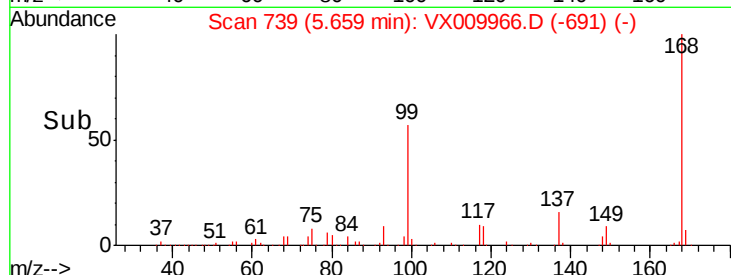
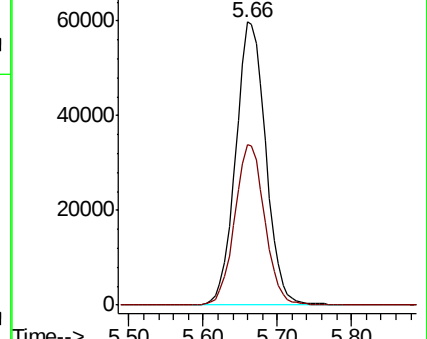
168 100

99 56.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.487 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009966.D

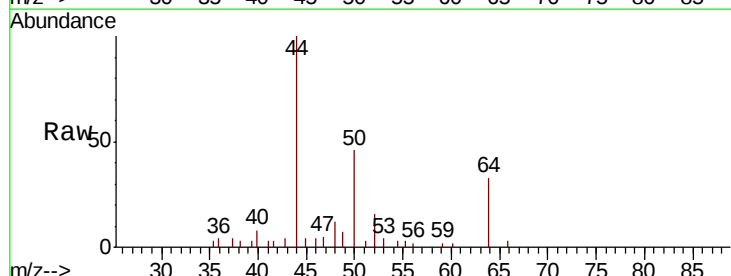
Acq: 30 May 2019 17:25

Tgt Ion: 50 Resp: 1353

Ion Ratio Lower Upper

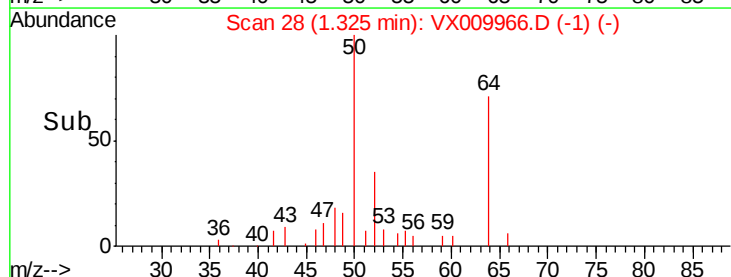
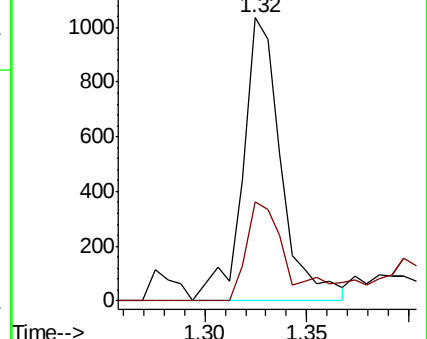
50 100

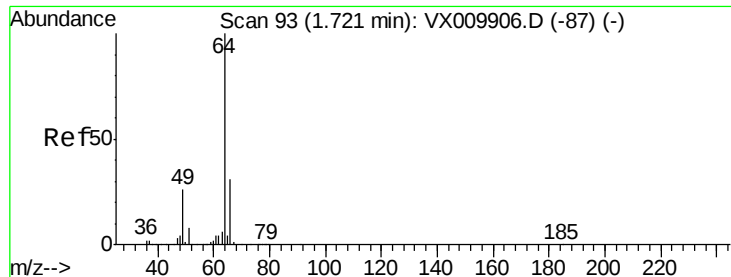
52 36.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 2.513 ug/l

RT: 1.61 min Scan# 74

Delta R.T. -0.12 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

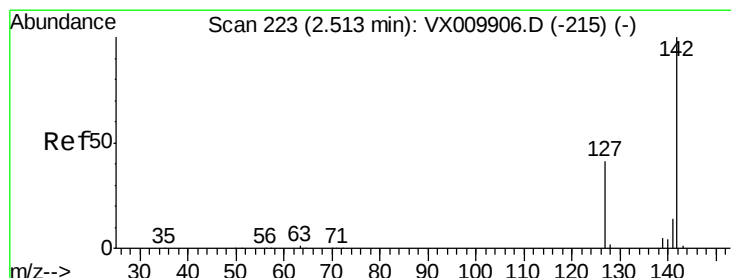
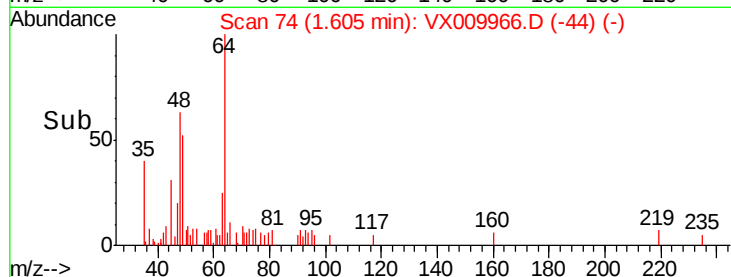
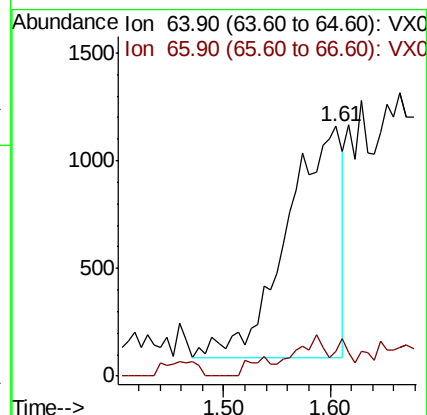
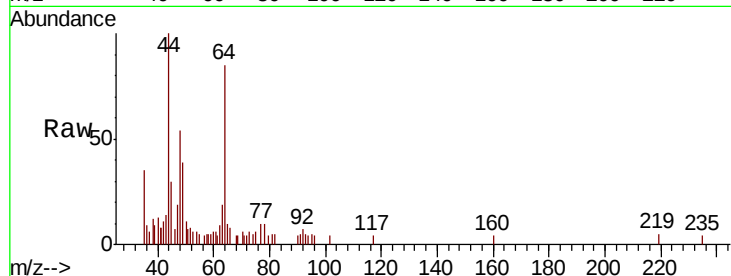
13907

Tot Ion: 64 Resp: 3877

Ion Ratio Lower Upper

64 100

66 4.6 25.1 37.7#



#10

Methyl Iodide

Concen: 4.666 ug/l

RT: 2.31 min Scan# 189

Delta R.T. -0.21 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

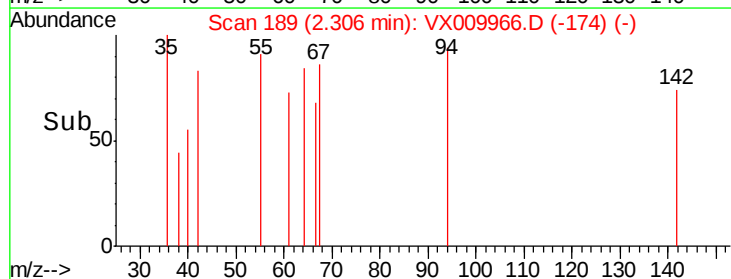
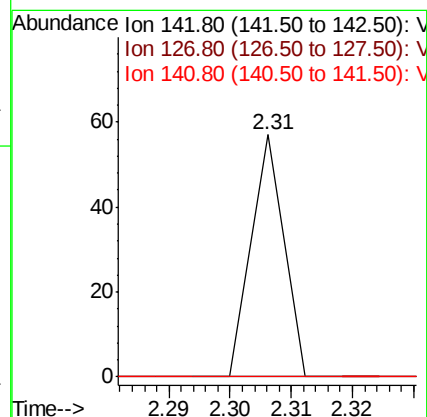
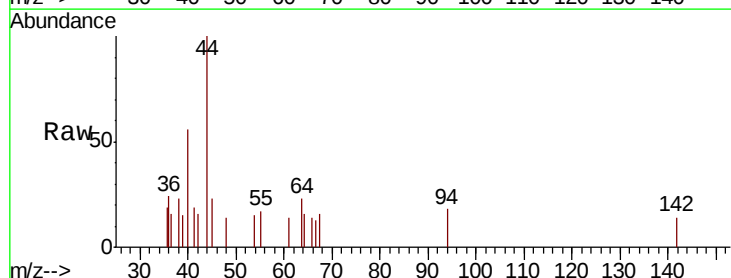
Tgt Ion: 142 Resp: 21

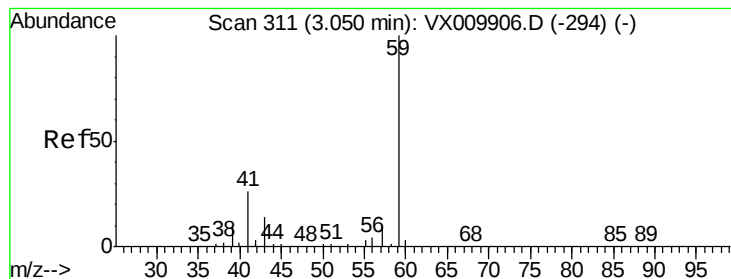
Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

141 0.0 11.4 17.0#



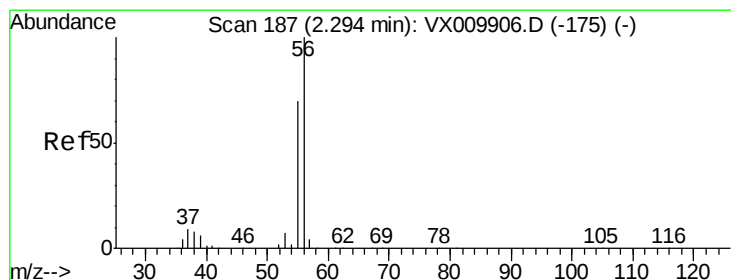
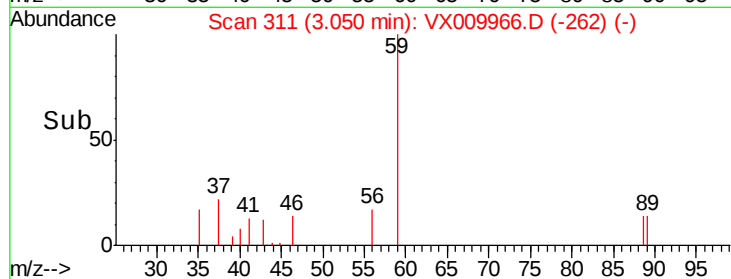
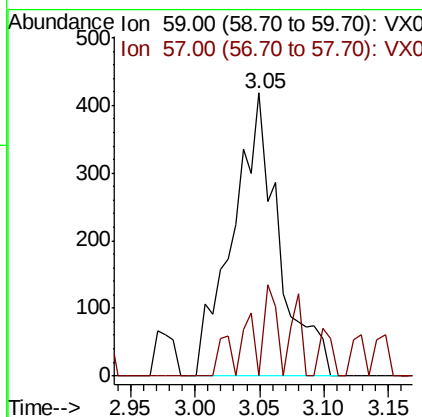
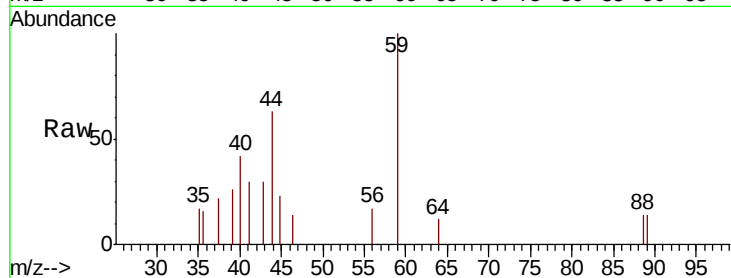


#11

Tert butyl alcohol
 Concen: 1.766 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009966.D
 Acq: 30 May 2019 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 13907

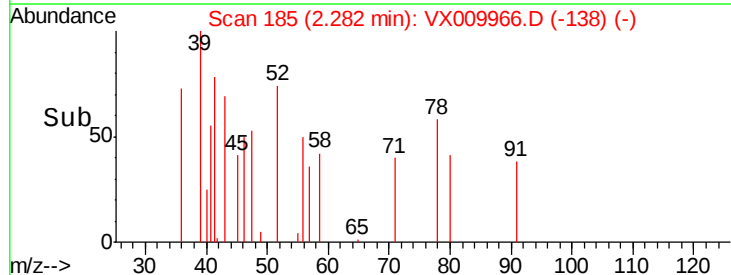
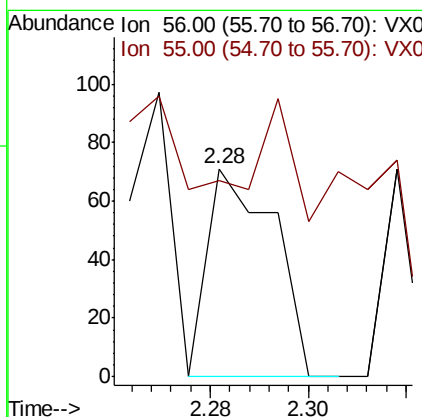
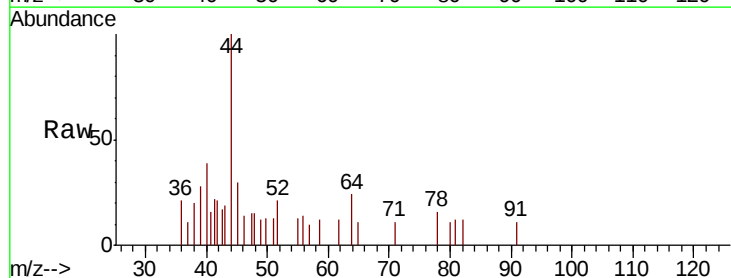
Tot Ion: 59 Resp: 1039
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.2 12.2

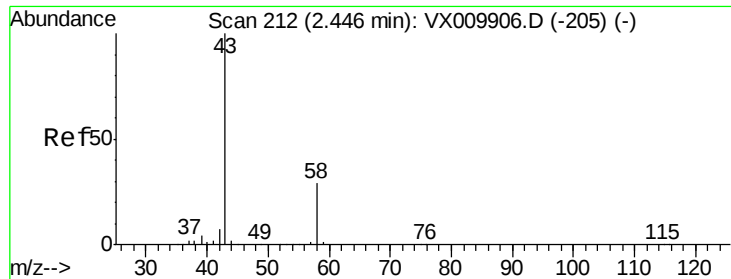


#13

Acrolein
 Concen: 21.244 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX009966.D
 Acq: 30 May 2019 17:25

Tgt Ion: 56 Resp: 67
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 2.432 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

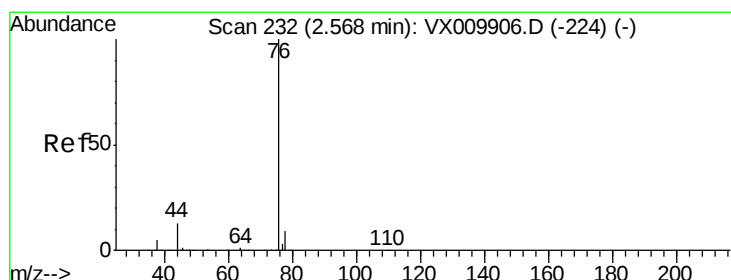
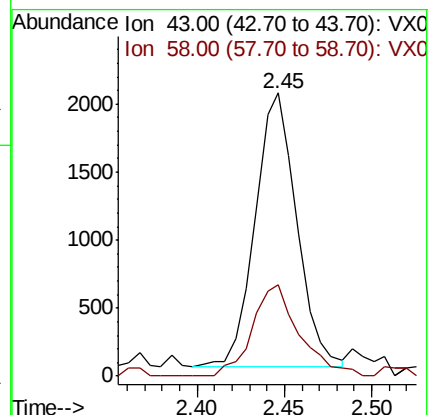
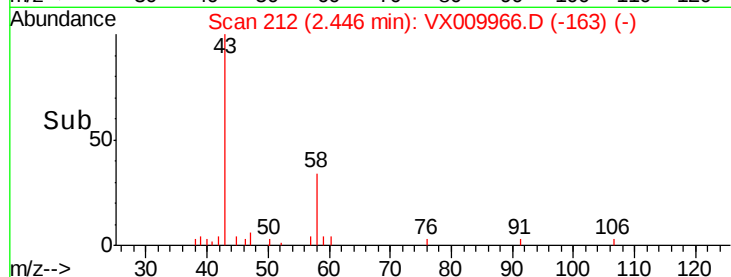
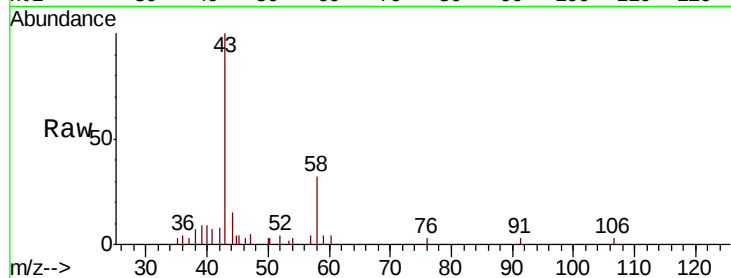
13907

Tot Ion: 43 Resp: 3359

Ion Ratio Lower Upper

43 100

58 33.2 23.2 34.8



#17

Carbon Disulfide

Concen: 0.518 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009966.D

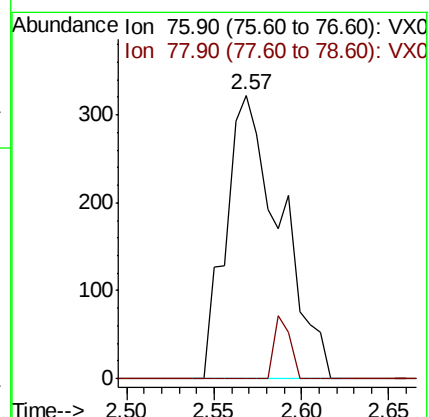
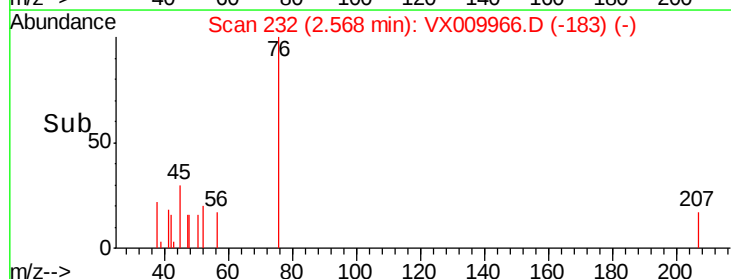
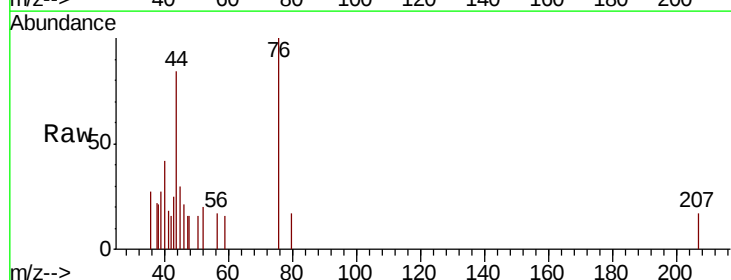
Acq: 30 May 2019 17:25

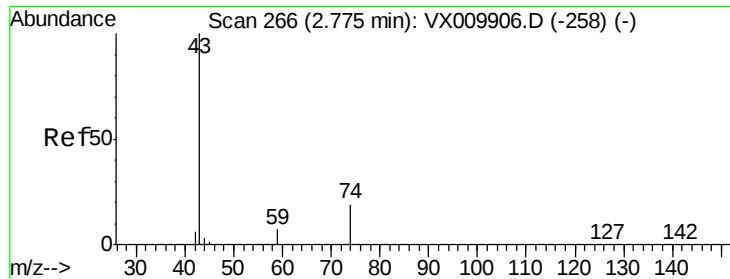
Tgt Ion: 76 Resp: 699

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

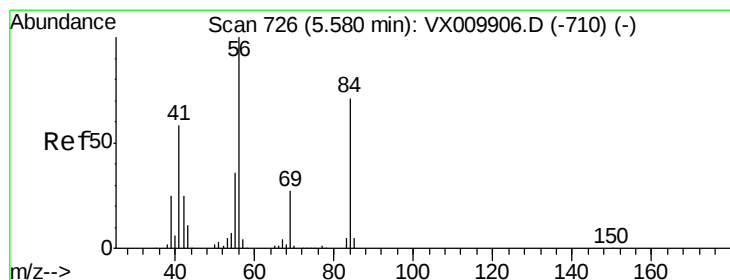
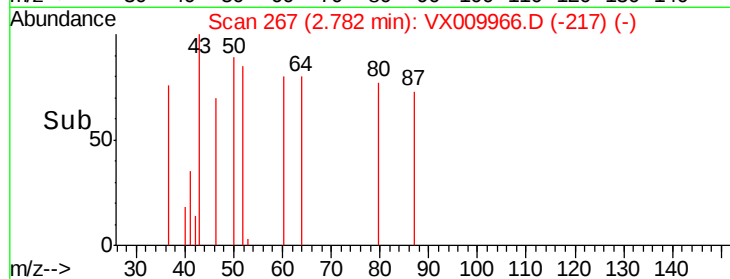
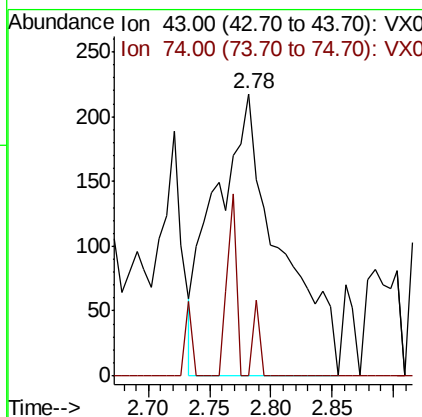
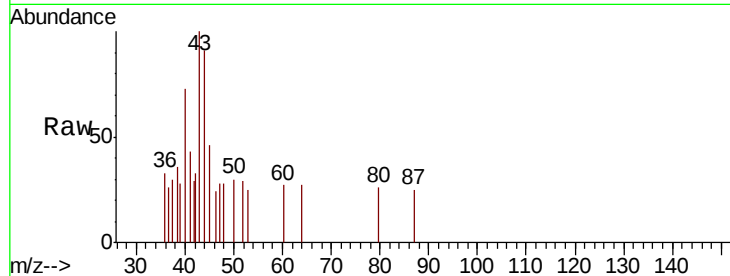




#18
Methvl Acetate
Concen: 0.248 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009966.D
Acq: 30 May 2019 17:25

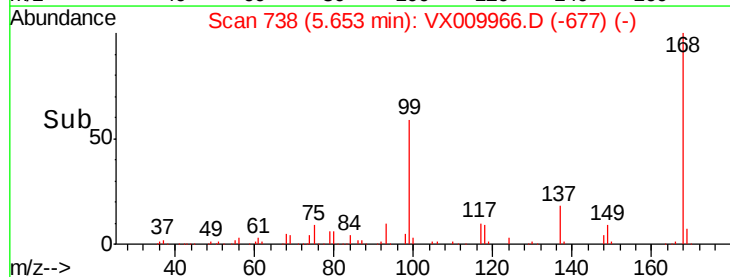
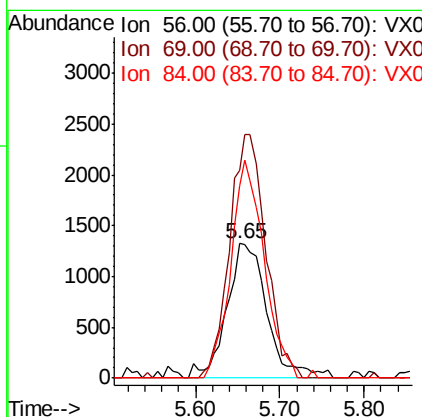
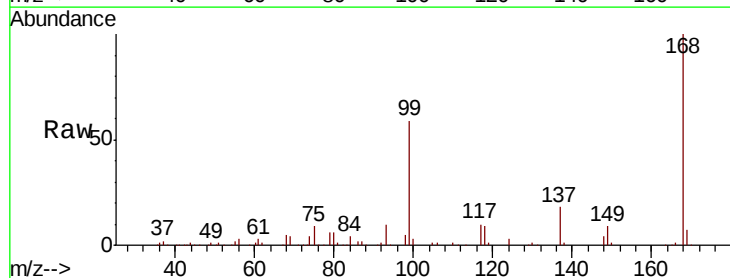
Instrument :
MSVOA_X
ClientSampled :
13907

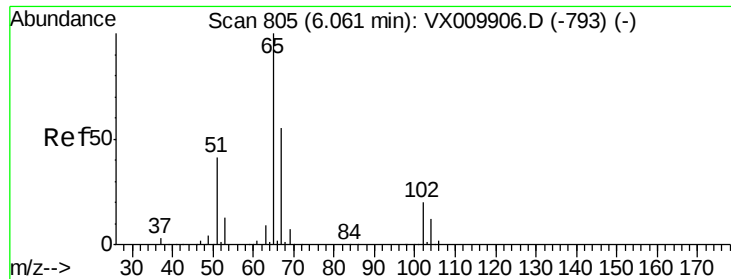
Tot Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
74 2.6 15.8 23.6#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009966.D
Acq: 30 May 2019 17:25

Tgt Ion: 56 Resp: 4295
Ion Ratio Lower Upper
56 100
69 154.3 21.6 32.4#
84 143.6 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 48.494 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

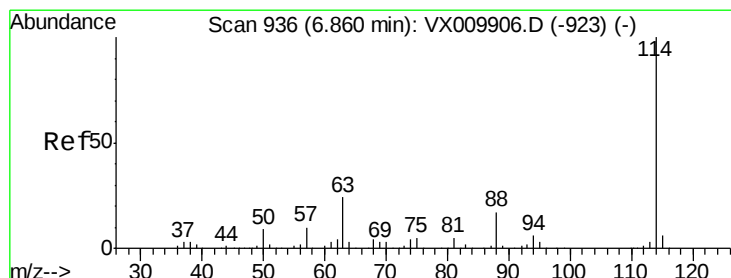
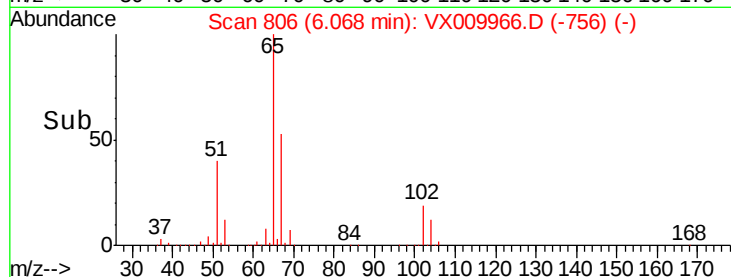
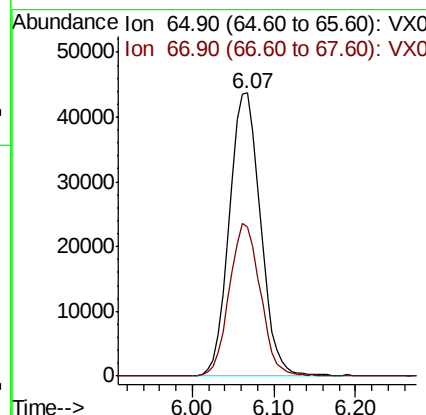
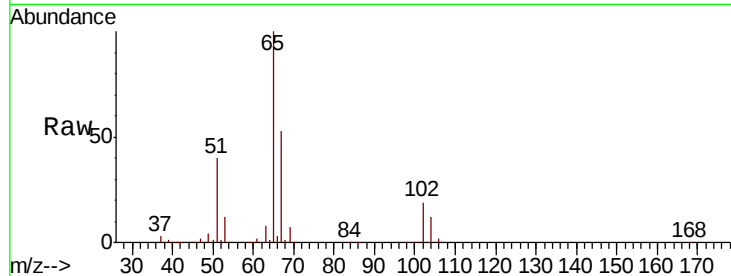
13907

Tot Ion: 65 Resp: 115939

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

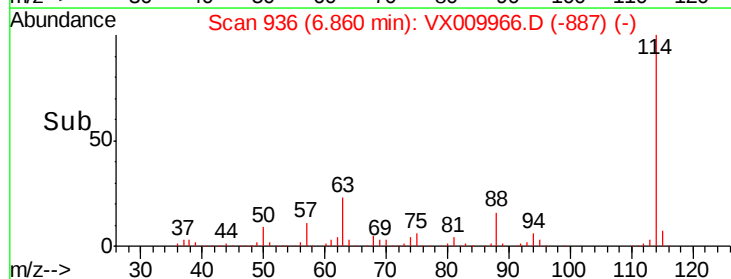
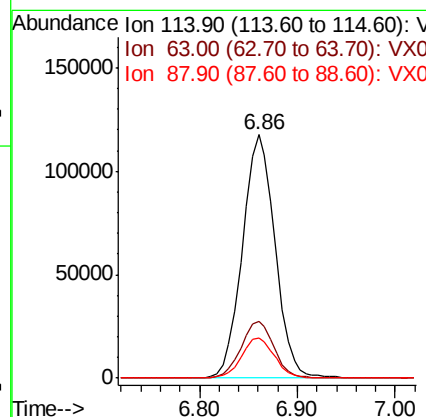
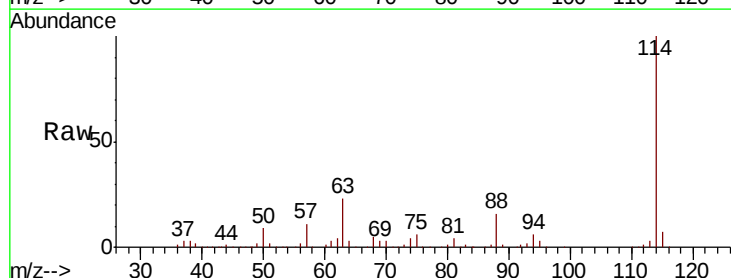
Tgt Ion: 114 Resp: 271684

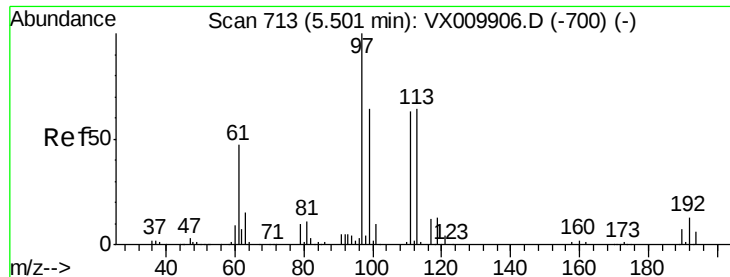
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.4

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.684 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

13907

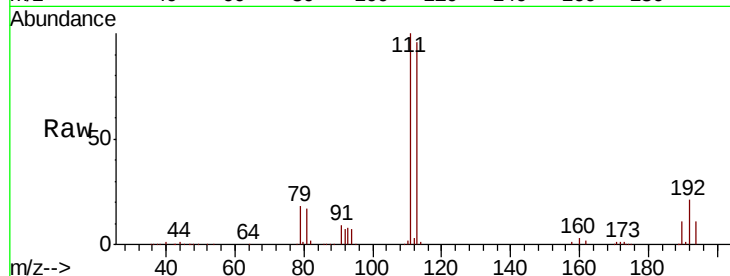
Tot Ion:113 Resp: 84865

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

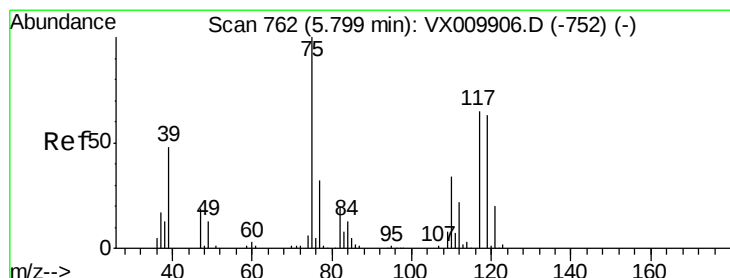
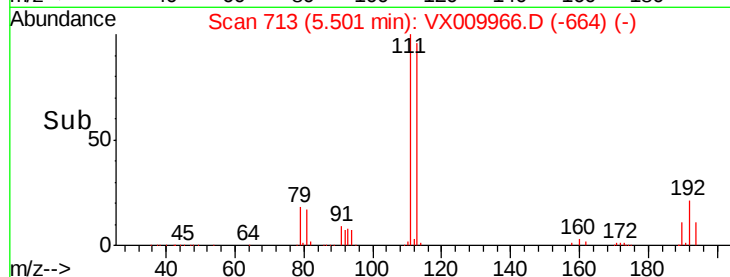
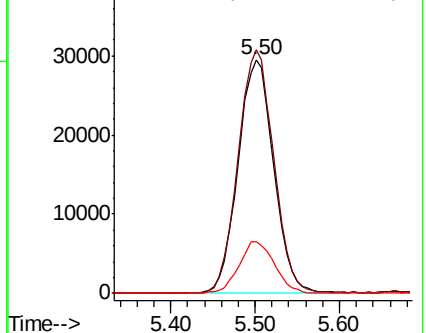
192 22.0 17.1 25.7



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: 5.170 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

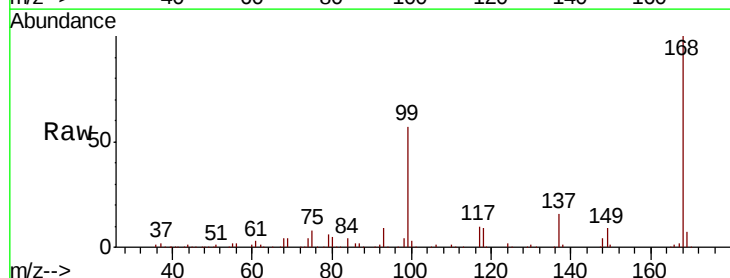
Tgt Ion: 75 Resp: 14250

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

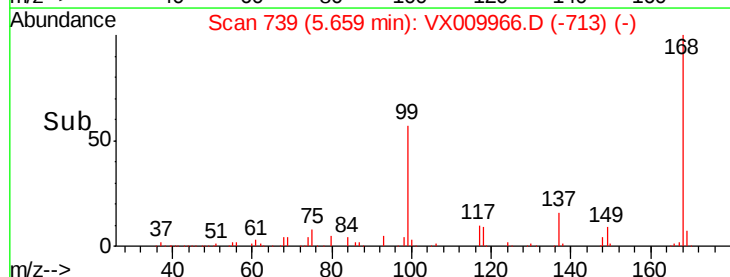
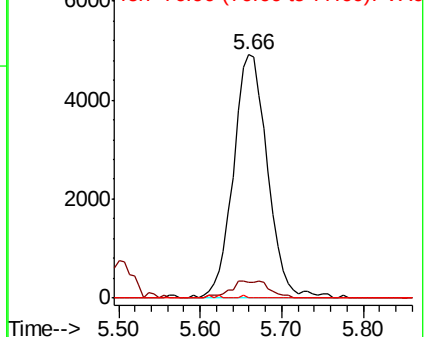
77 0.1 25.0 37.4#

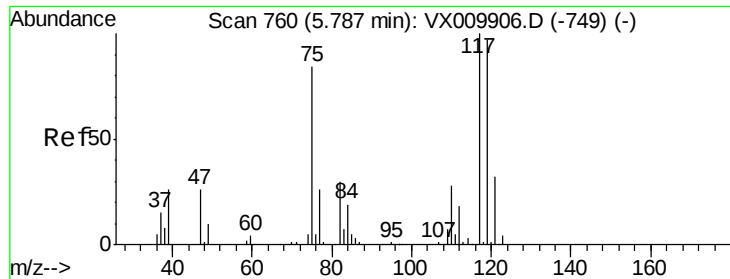


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

13907

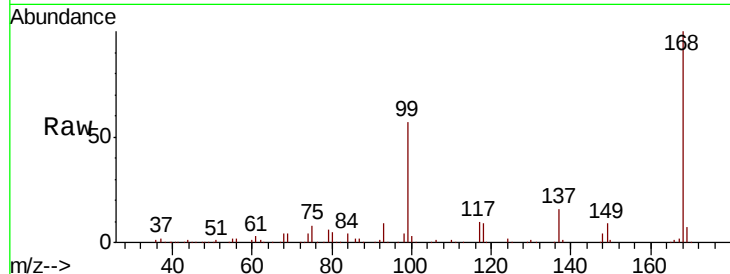
Tot Ion:117 Resp: 16445

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

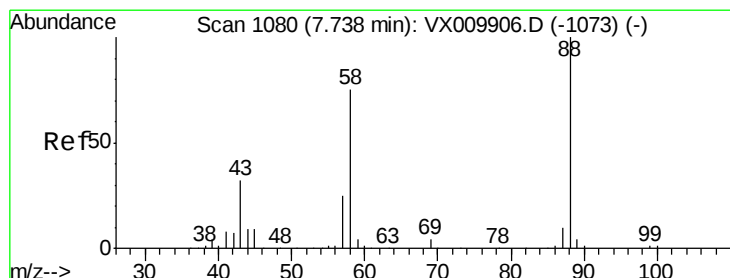
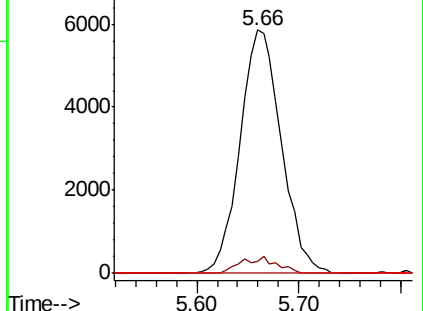
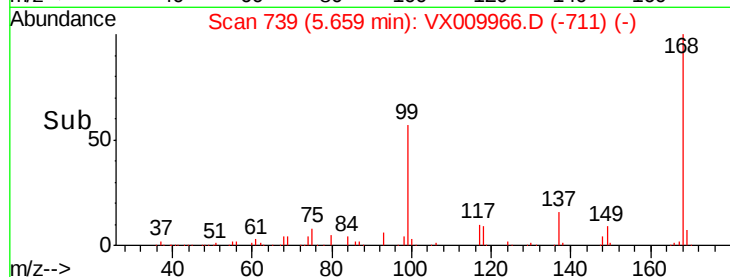
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.350 ug/l

RT: 7.87 min Scan# 1101

Delta R.T. 0.13 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

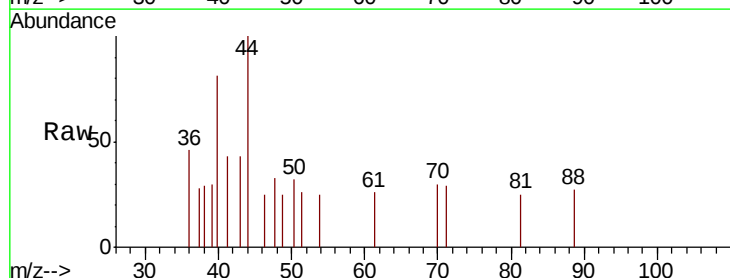
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 1180.0 30.2 45.4#

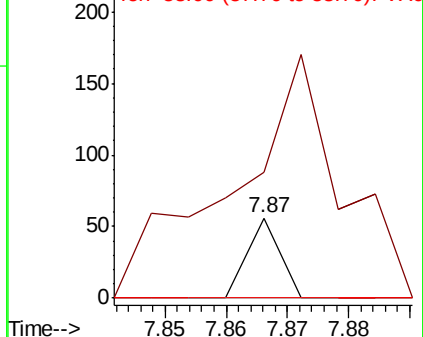
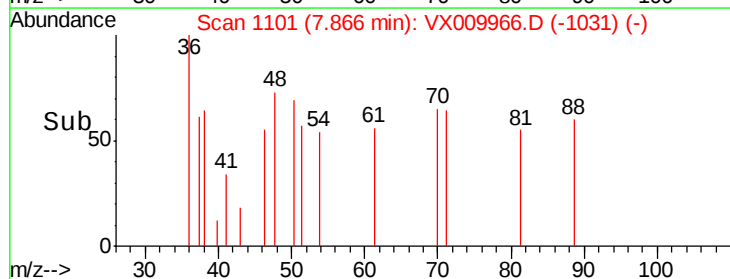
58 0.0 64.0 96.0#

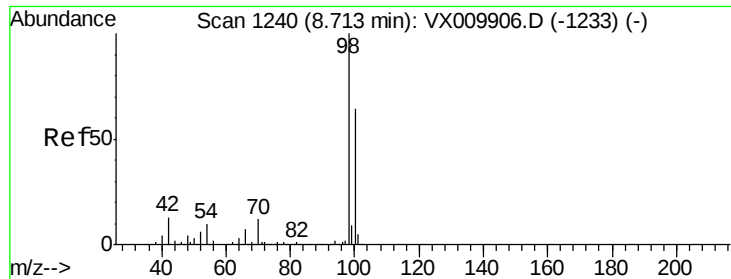


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.789 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

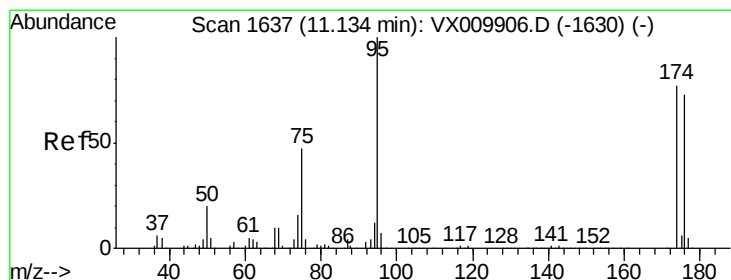
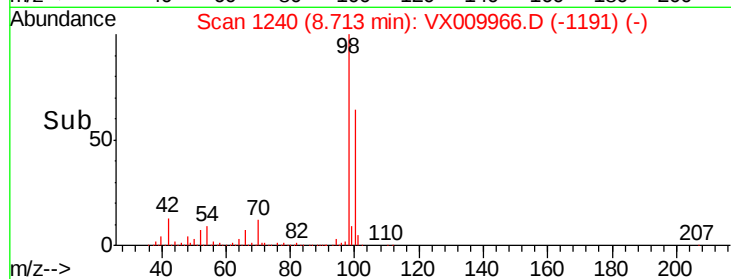
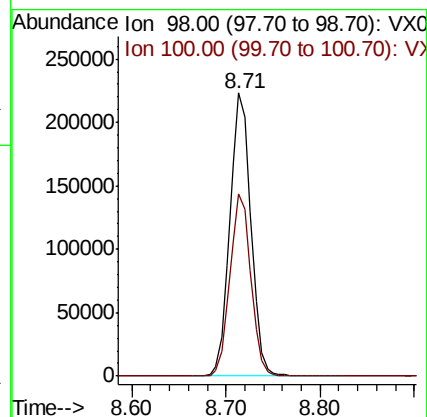
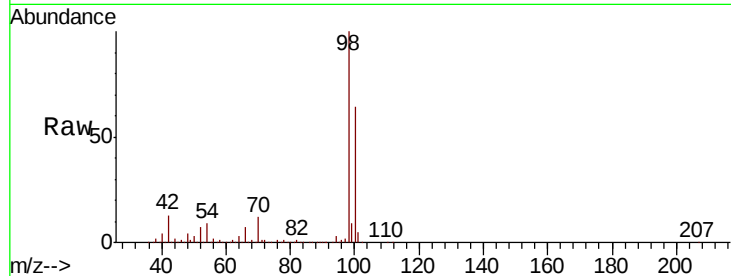
13907

Tot Ion: 98 Resp: 345344

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 47.077 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

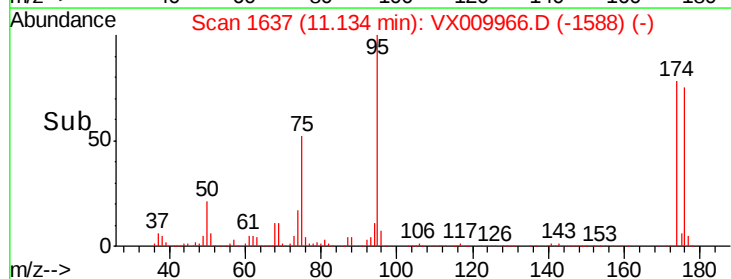
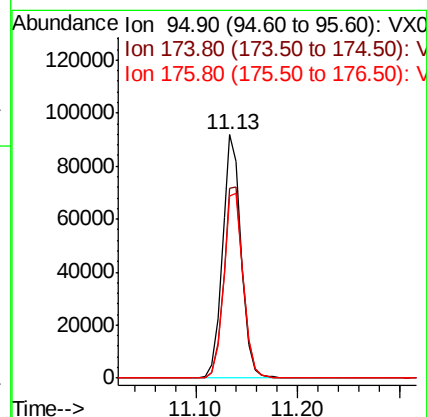
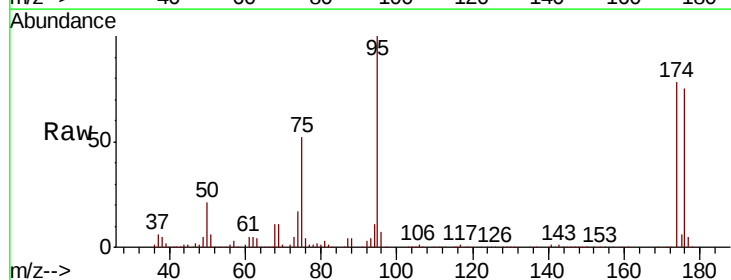
Tgt Ion: 95 Resp: 117285

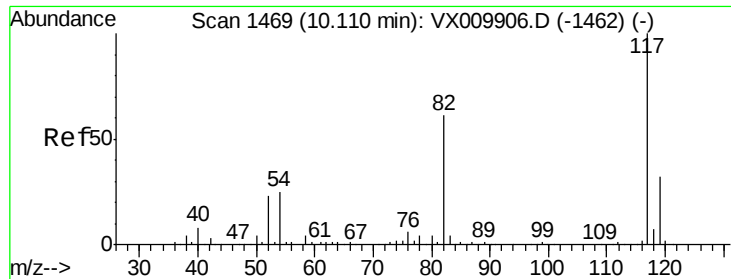
Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.4

176 79.0 0.0 154.6

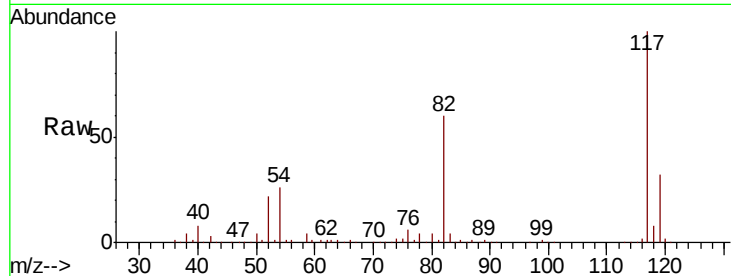




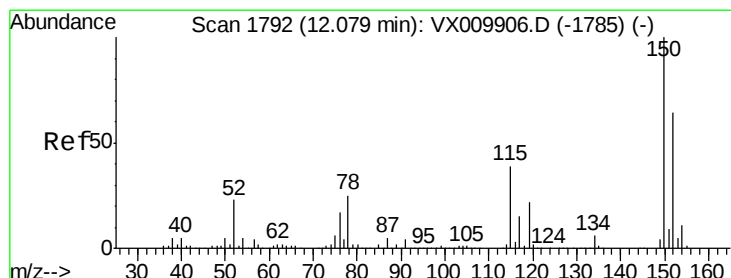
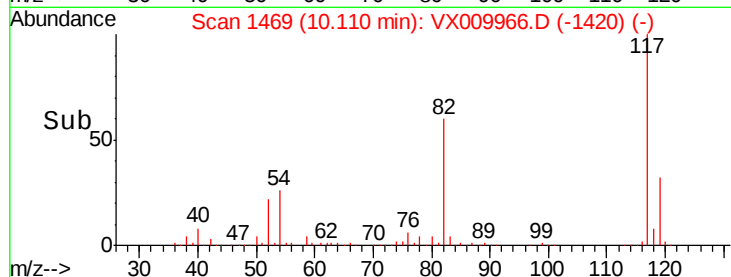
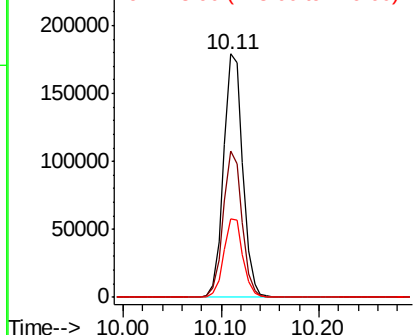
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009966.D
Acq: 30 May 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
13907

Tot Ion:117 Resp: 243387
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 32.2 25.2 37.8

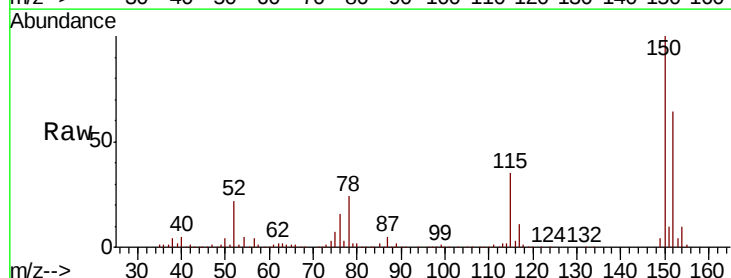


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

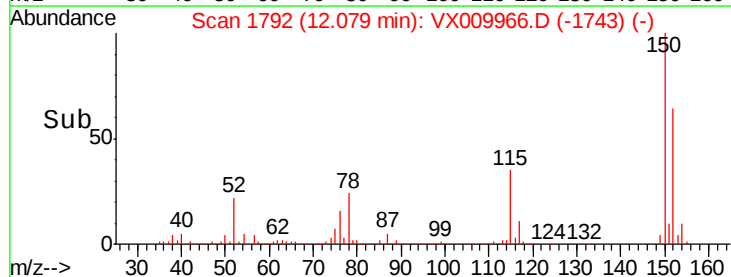
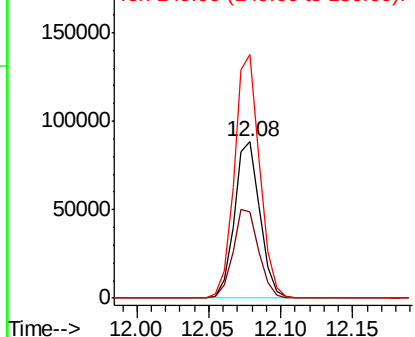


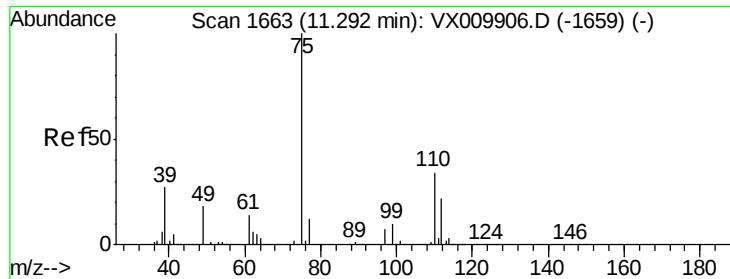
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009966.D
Acq: 30 May 2019 17:25

Tgt Ion:152 Resp: 109209
Ion Ratio Lower Upper
152 100
115 57.4 41.4 124.2
150 154.6 0.0 345.2



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: 22.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

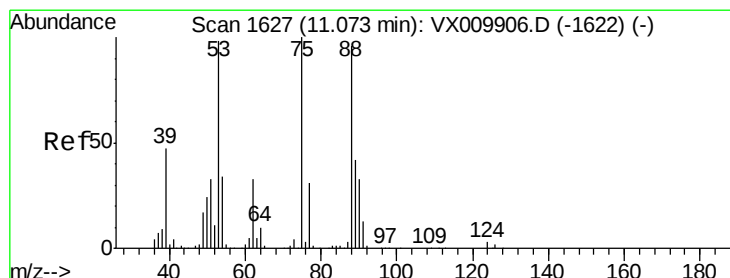
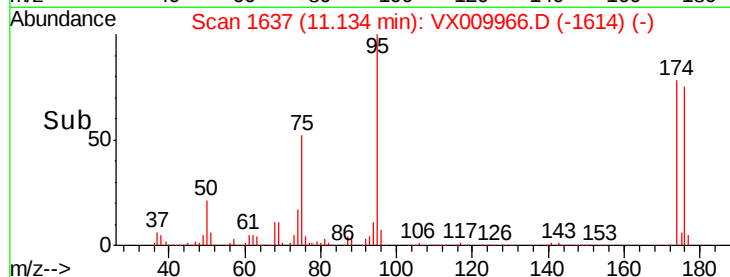
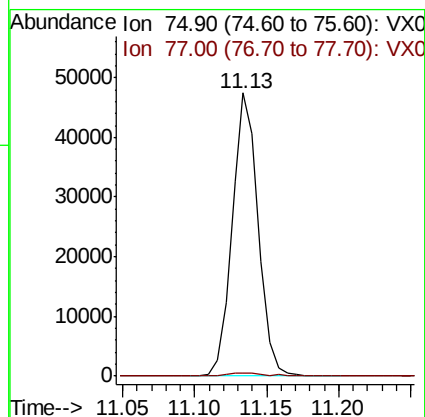
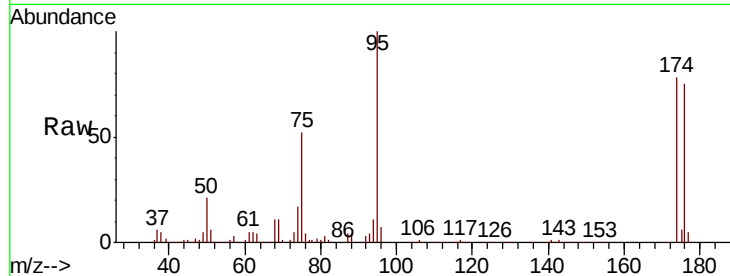
13907

Tot Ion: 75 Resp: 59872

Ion Ratio Lower Upper

75 100

77 1.5 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.723 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009966.D

Acq: 30 May 2019 17:25

Tgt Ion: 75 Resp: 59872

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#

