

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004716.D
 Acq On : 19 Sep 2018 19:53
 Operator : JC/MD
 Sample : J4916-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 03:51:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	311927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	123502	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
35) Dibromofluoromethane	5.51	113	122675	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	
50) Toluene-d8	8.71	98	425214	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	
62) 4-Bromofluorobenzene	11.14	95	149413	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

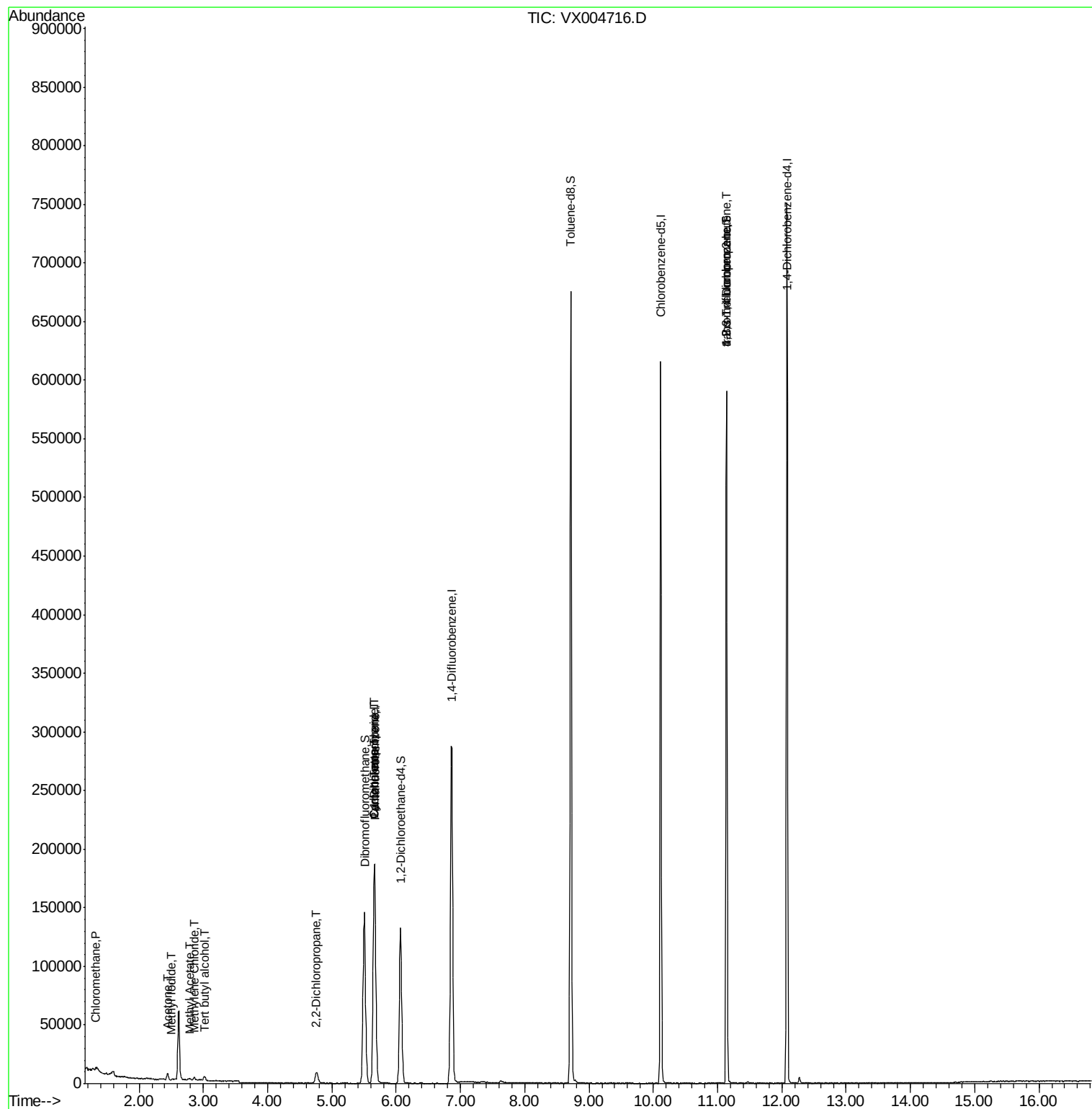
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	699	0.26	ug/l #	81
5) Bromomethane	1.65	94	338	Below Cal	#	78
10) Methyl Iodide	2.51	142	143	4.30	ug/l #	60
11) Tert butyl alcohol	3.02	59	2326	3.68	ug/l #	72
16) Acetone	2.45	43	5475	4.24	ug/l #	86
18) Methyl Acetate	2.78	43	918	0.25	ug/l	93
20) Methylene Chloride	2.85	84	870	0.33	ug/l	87
26) 2,2-Dichloropropane	4.76	77	808	0.26	ug/l #	52
31) Cyclohexane	5.65	56	3092	0.81	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12736	3.36	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17524	4.74	ug/l #	13
76) 1,2,3-Trichloropropane	11.14	75	69017	21.18	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	69017	67.51	ug/l #	10

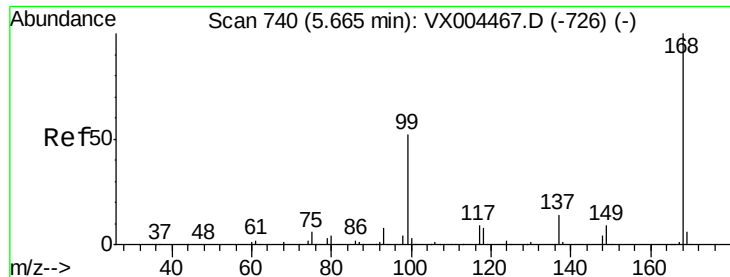
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

Instrument :

MSVOA_X

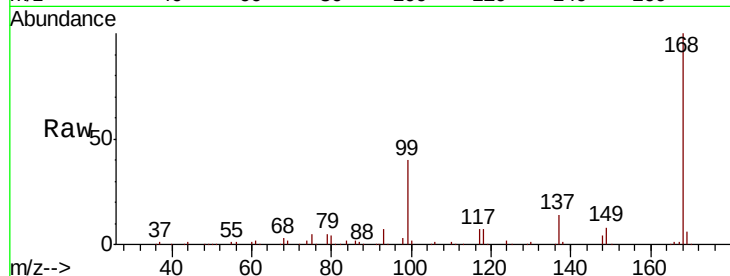
ClientSampleId :

Tot Ion:168 Resp: 205284

Ion Ratio Lower Upper

168 100

99 40.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

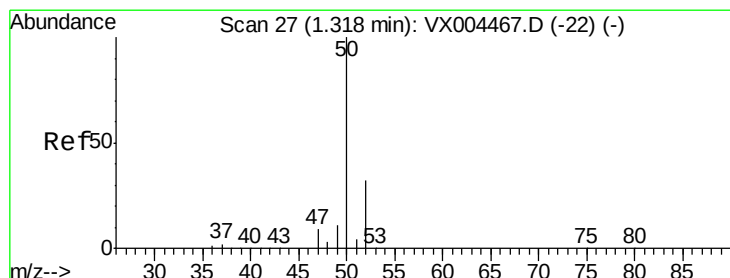
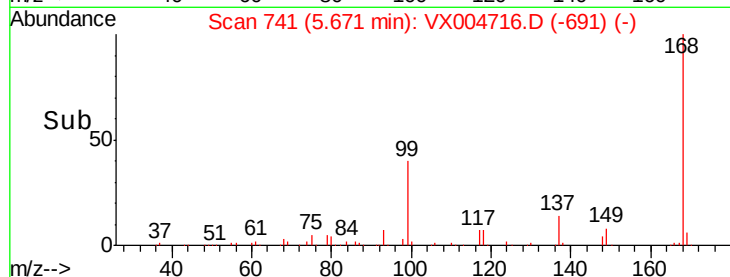
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004716.D

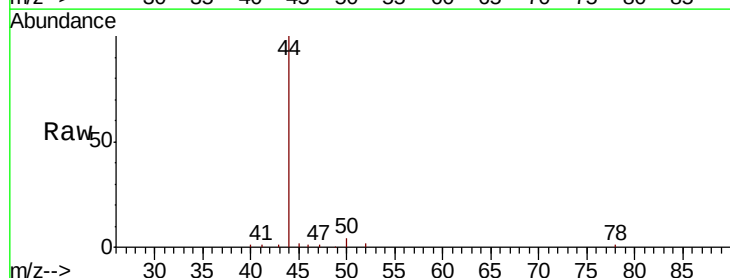
Acq: 19 Sep 2018 19:53

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

50 100

52 43.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

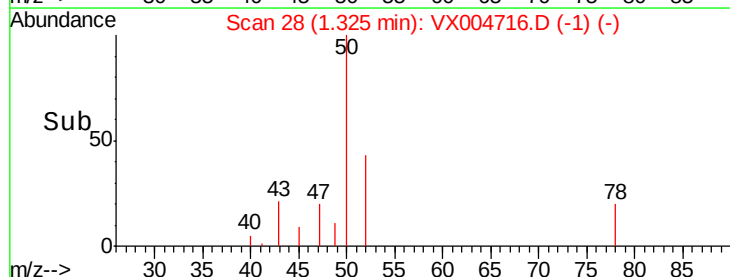
200

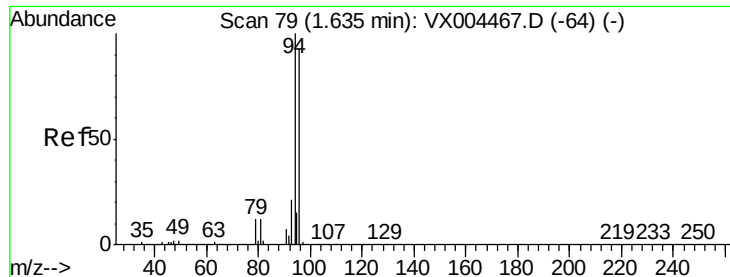
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

Instrument :

MSVOA_X

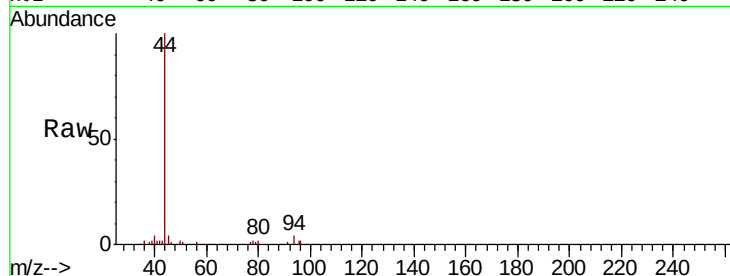
ClientSampleId :

Tot Ion: 94 Resp: 338

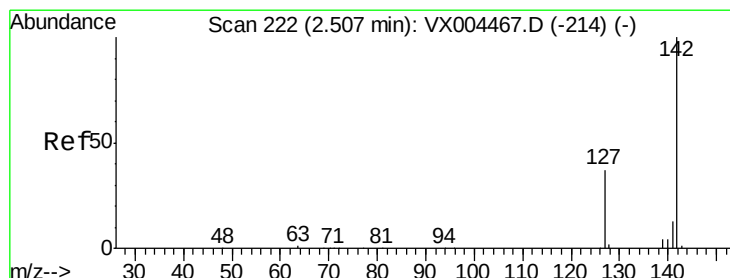
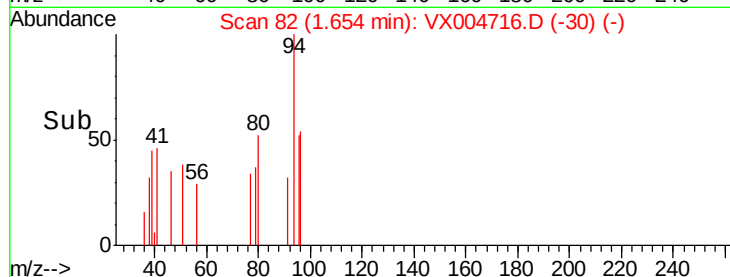
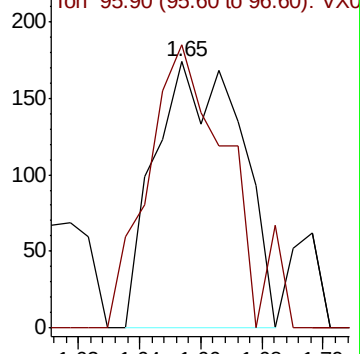
Ion Ratio Lower Upper

94 100

96 72.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 4.30 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

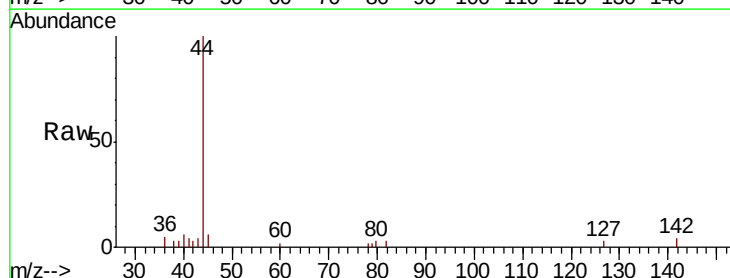
Tgt Ion: 142 Resp: 143

Ion Ratio Lower Upper

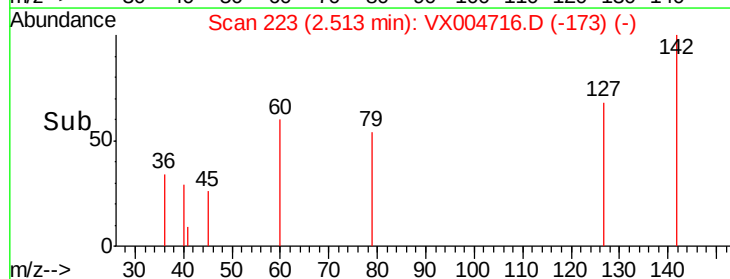
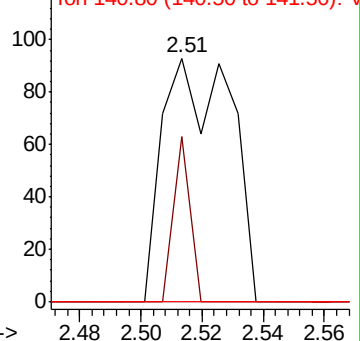
142 100

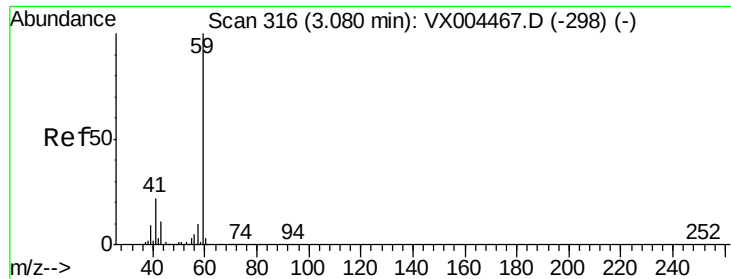
127 16.1 33.8 50.6#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

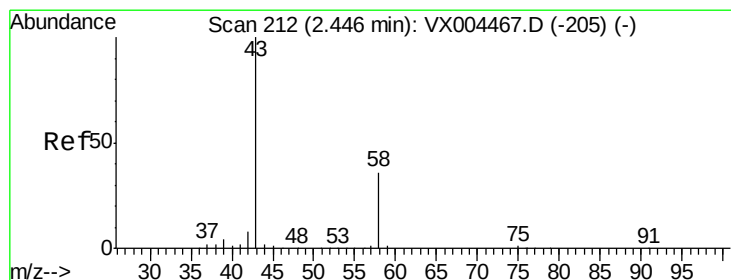
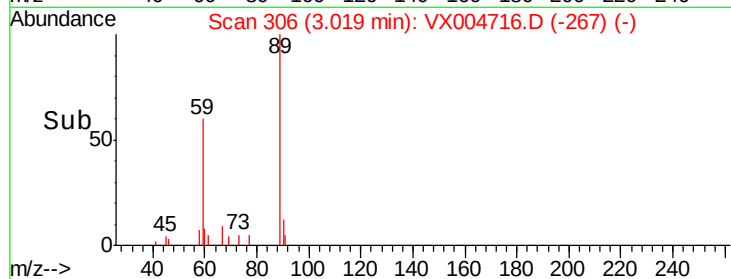
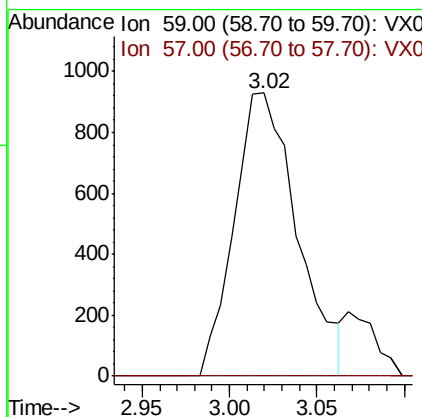
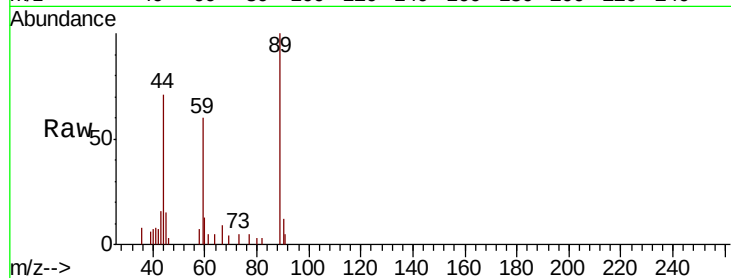




#11
Tert butyl alcohol
Concen: 3.68 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

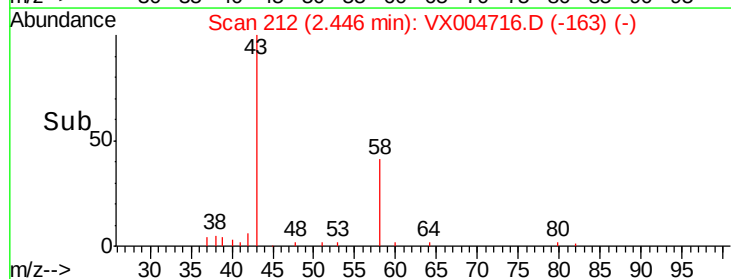
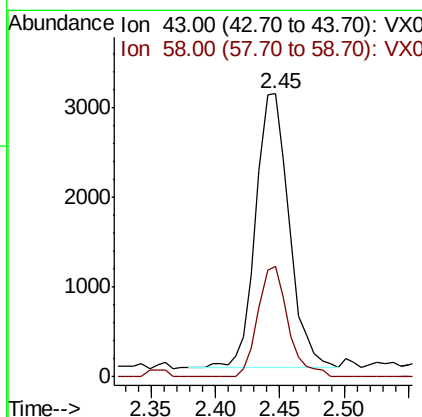
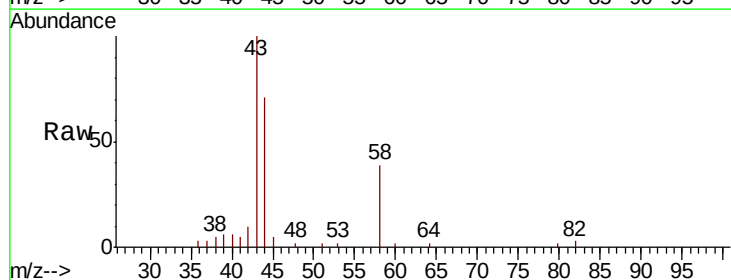
Instrument :
MSVOA_X
ClientSampleId :

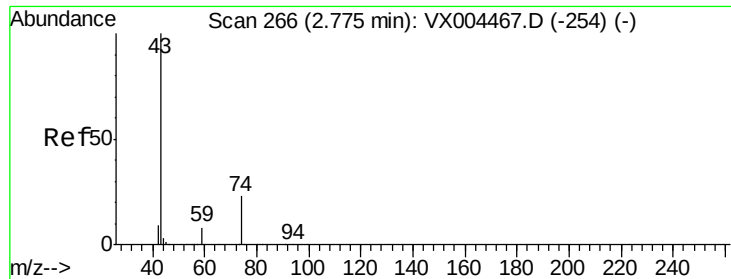
Tot Ion: 59 Resp: 2326
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 4.24 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Tgt Ion: 43 Resp: 5475
Ion Ratio Lower Upper
43 100
58 40.5 26.2 39.4#

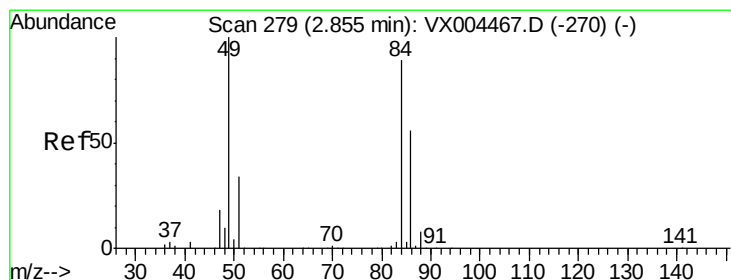
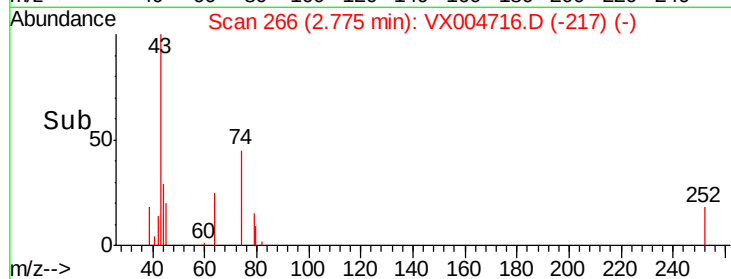
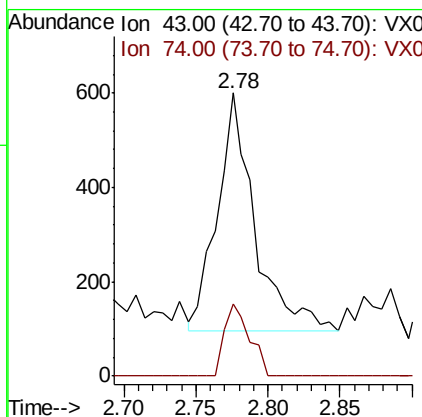
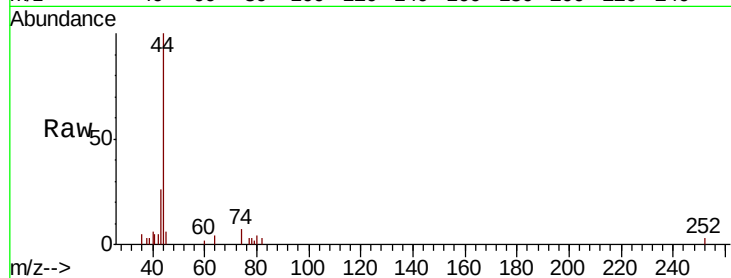




#18
Methvl Acetate
Concen: 0.25 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

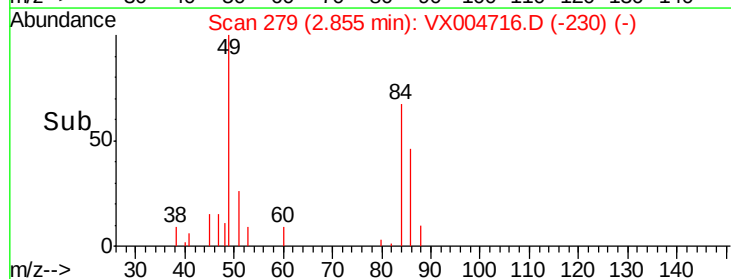
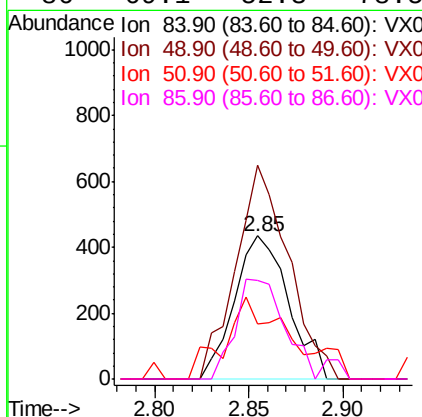
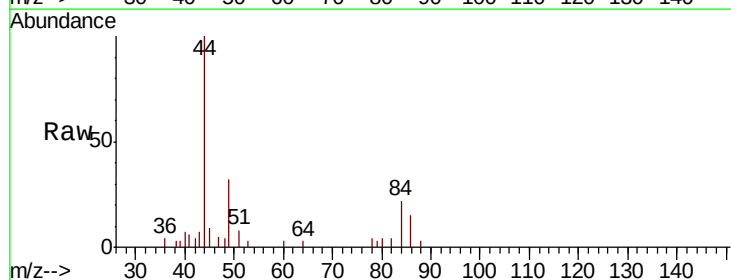
Instrument :
MSVOA_X
ClientSampleId :

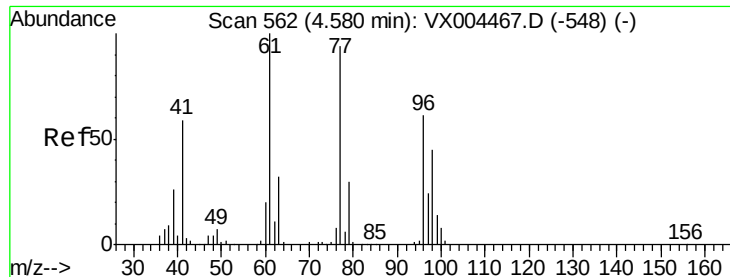
Tot Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
74 20.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Tgt Ion: 84 Resp: 870
Ion Ratio Lower Upper
84 100
49 149.5 101.2 151.8
51 38.5 29.5 44.3
86 69.1 52.3 78.5

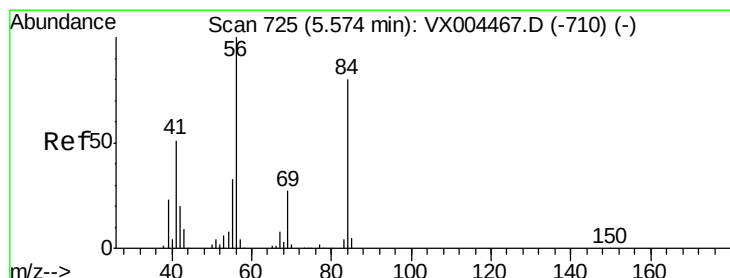
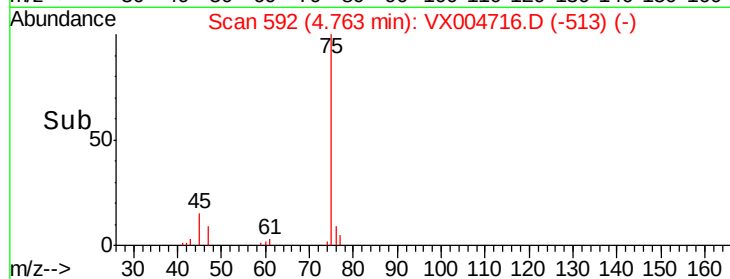
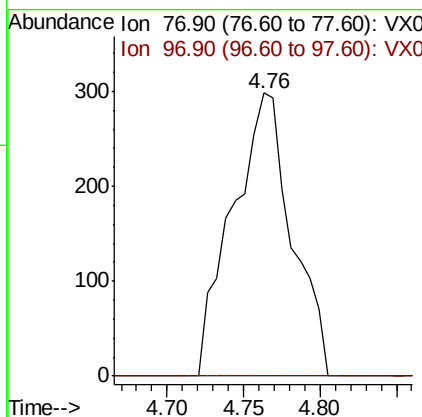
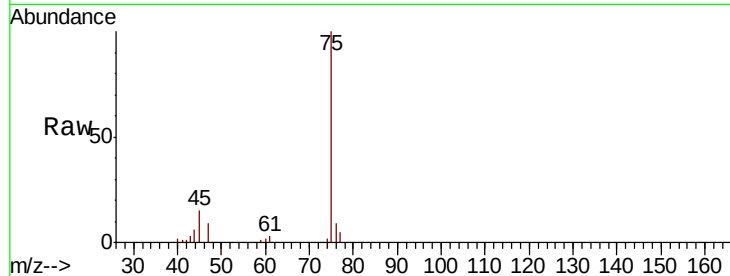




#26
 2,2-Dichloropropane
 Concen: 0.26 ug/l
 RT: 4.76 min Scan# 592
 Delta R.T. 0.18 min
 Lab File: VX004716.D
 Acq: 19 Sep 2018 19:53

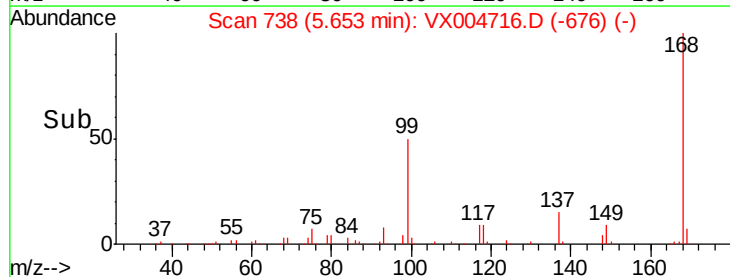
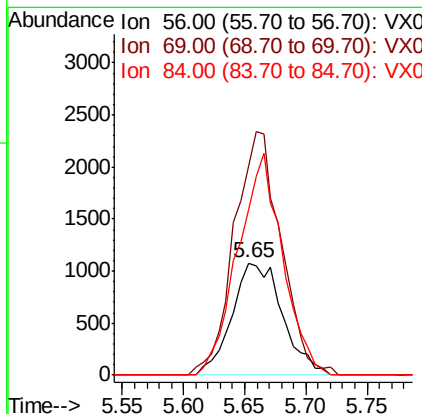
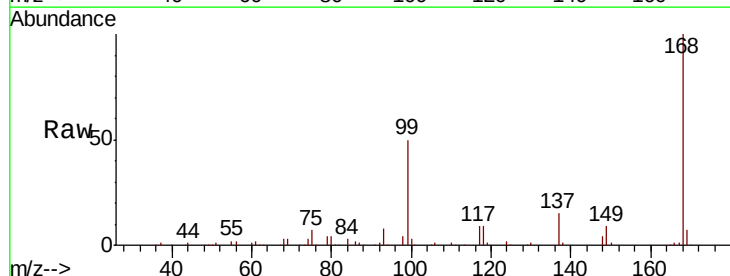
Instrument :
 MSVOA_X
 ClientSampleId :

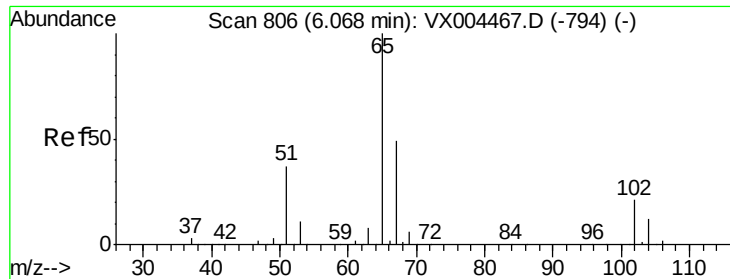
Tot Ion: 77 Resp: 808
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#31
 Cyclohexane
 Concen: 0.81 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.08 min
 Lab File: VX004716.D
 Acq: 19 Sep 2018 19:53

Tgt Ion: 56 Resp: 3092
 Ion Ratio Lower Upper
 56 100
 69 186.9 25.4 38.2#
 84 148.2 71.4 107.2#

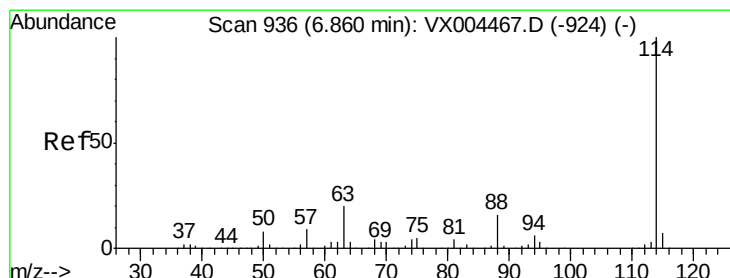
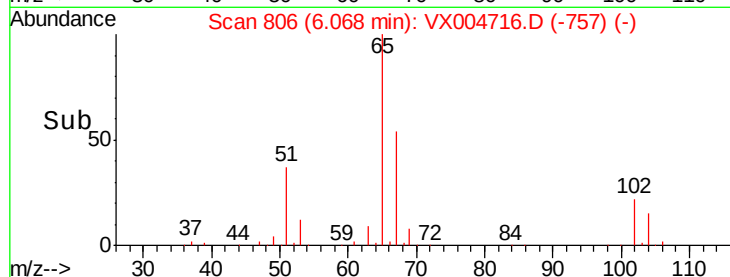
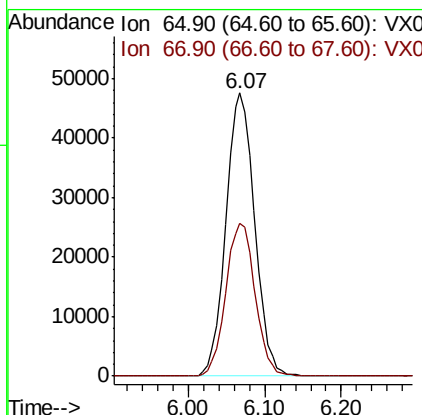
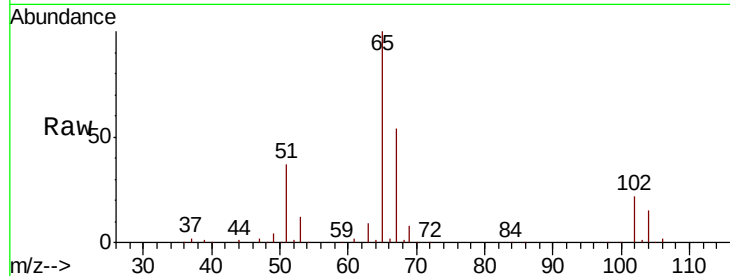




#33
 1,2-Dichloroethane-d4
 Concen: 46.66 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004716.D
 Acq: 19 Sep 2018 19:53

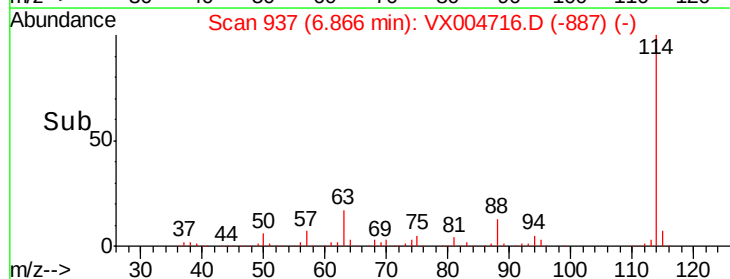
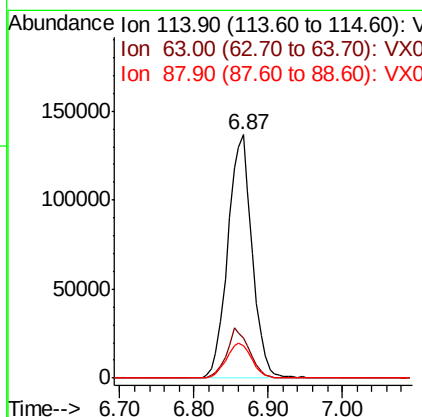
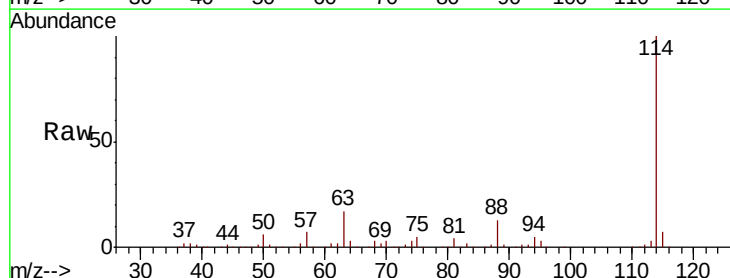
Instrument :
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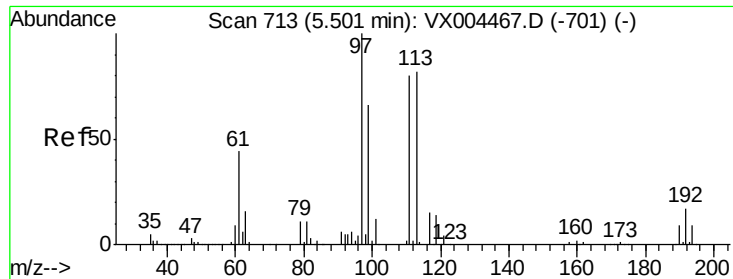
Tot Ion: 65 Resp: 123502
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004716.D
 Acq: 19 Sep 2018 19:53

Tgt Ion: 114 Resp: 311927
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 39.0
 88 13.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 42.98 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :

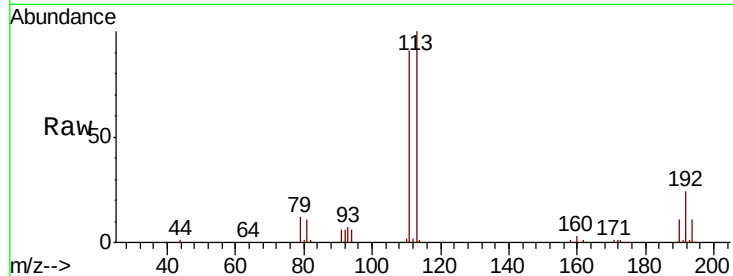
Tot Ion:113 Resp: 122675

Ion Ratio Lower Upper

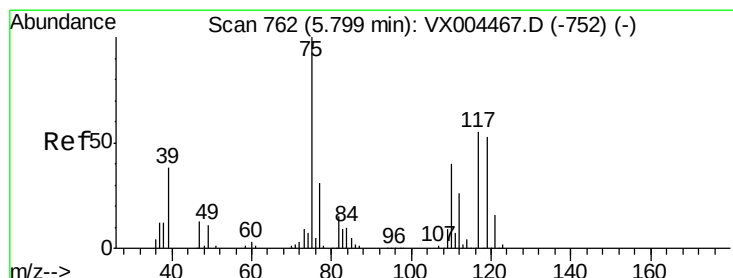
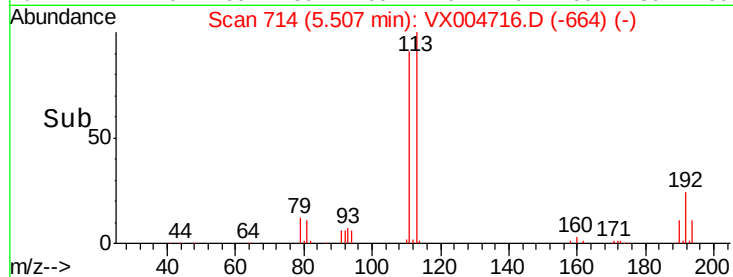
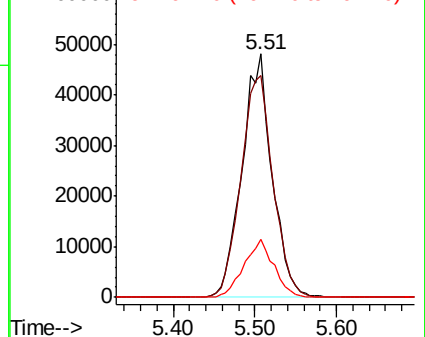
113 100

111 98.0 82.4 123.6

192 23.8 19.4 29.2



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: 3.36 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

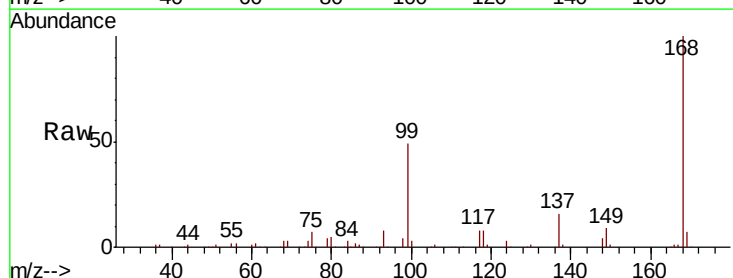
Tgt Ion: 75 Resp: 12736

Ion Ratio Lower Upper

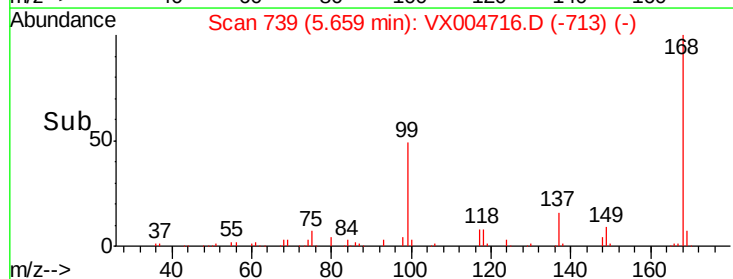
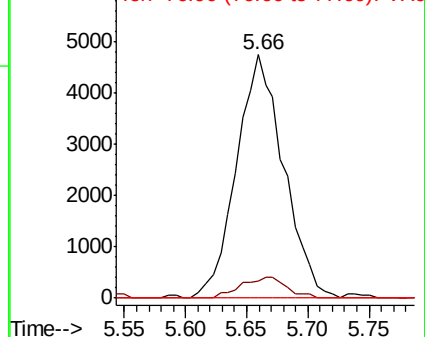
75 100

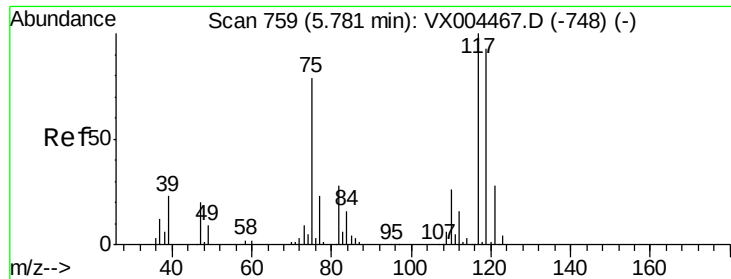
110 8.5 18.0 54.0#

77 0.0 24.6 36.8#



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

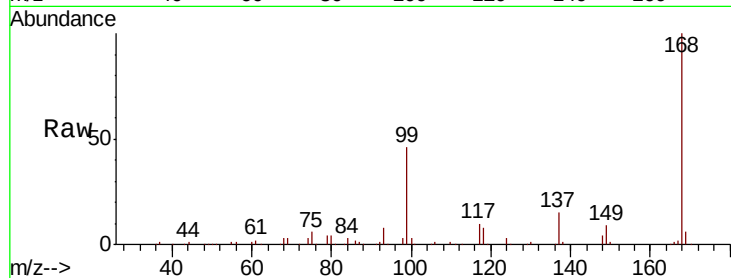




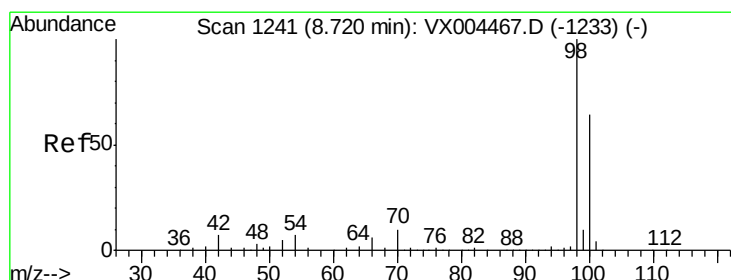
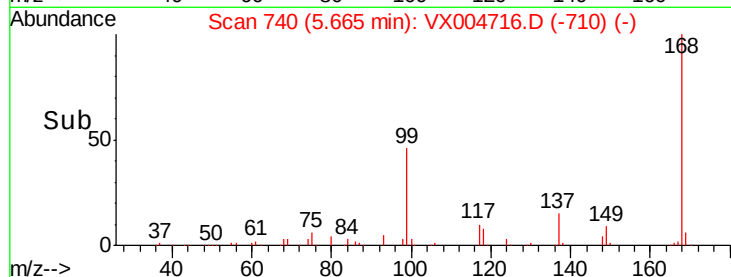
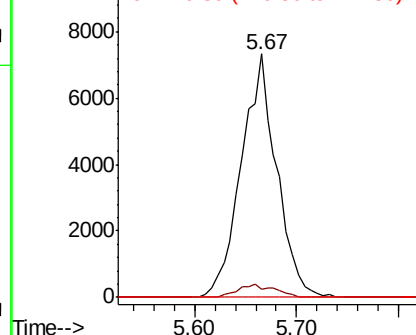
#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17524
Ion Ratio Lower Upper
117 100
119 3.3 78.8 118.2#
121 0.0 24.9 37.3#

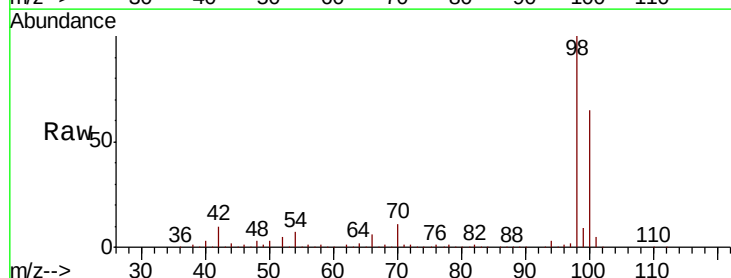


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

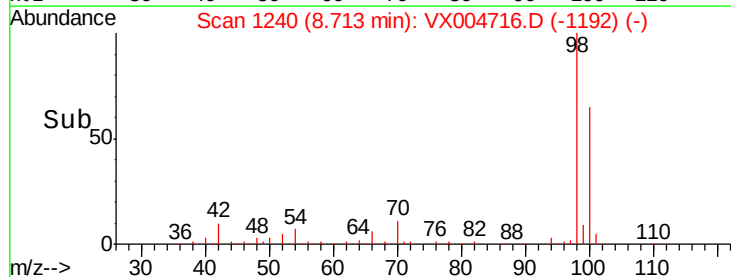
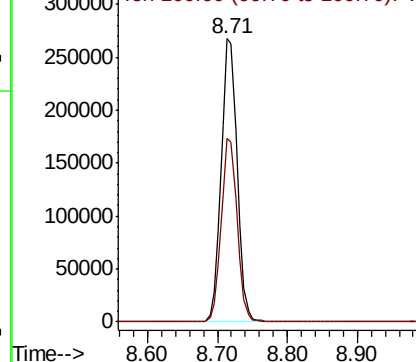


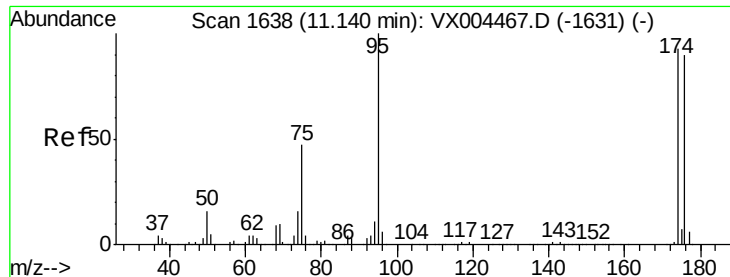
#50
Toluene-d8
Concen: 44.42 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Tgt Ion: 98 Resp: 425214
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.73 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

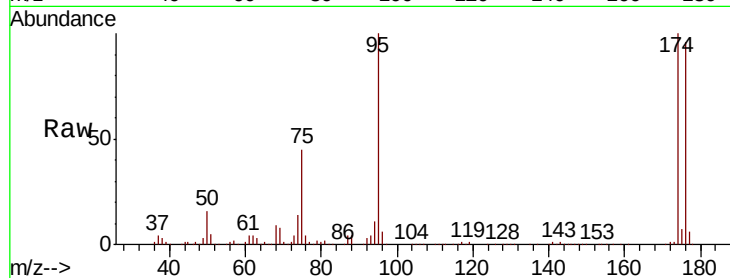
Tot Ion: 95 Resp: 149413

Ion Ratio Lower Upper

95 100

174 96.1 0.0 185.2

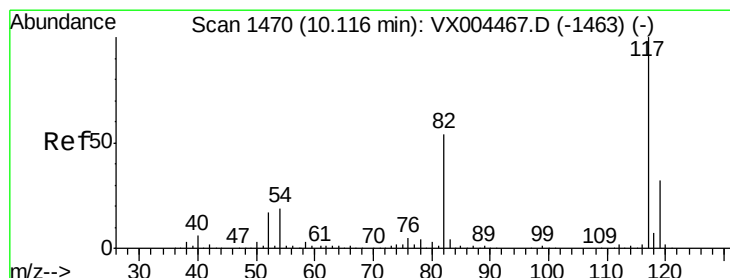
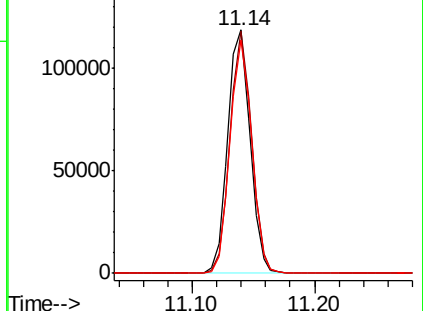
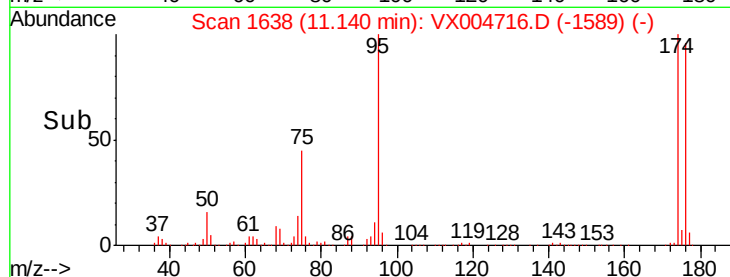
176 92.7 0.0 178.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

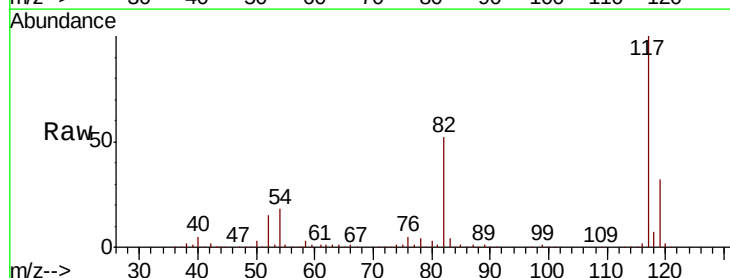
Tgt Ion: 117 Resp: 288678

Ion Ratio Lower Upper

117 100

82 51.7 47.8 71.6

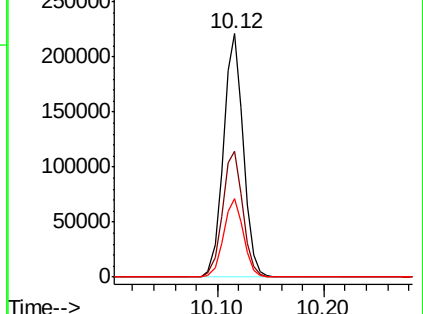
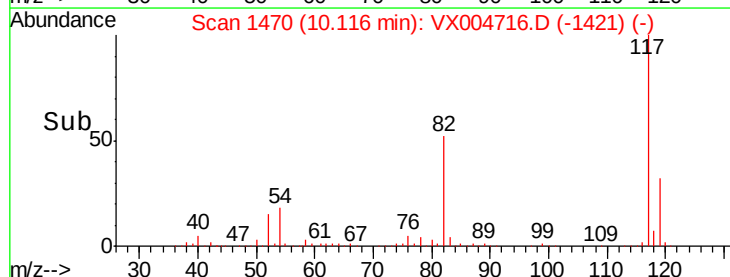
119 32.3 29.3 43.9

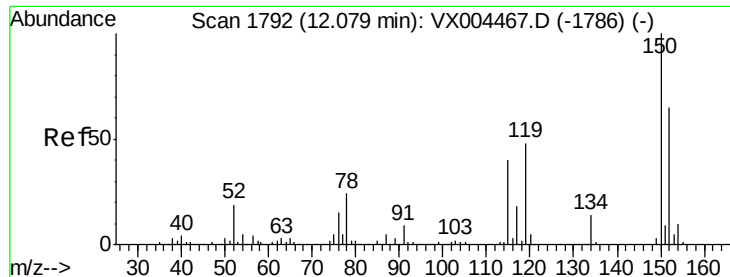


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



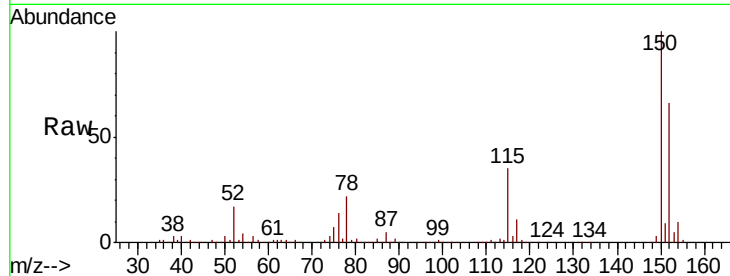


#72

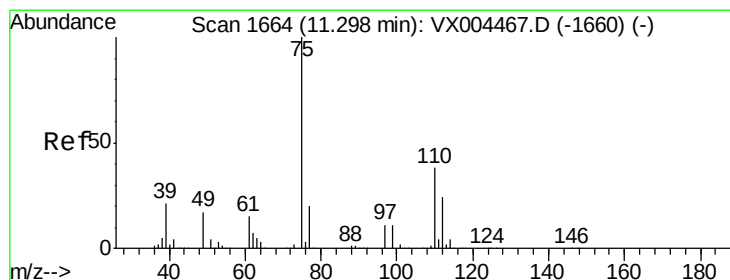
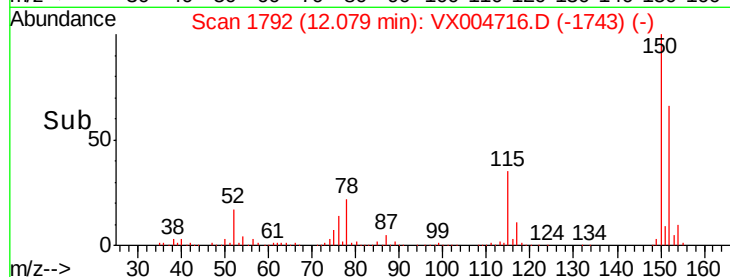
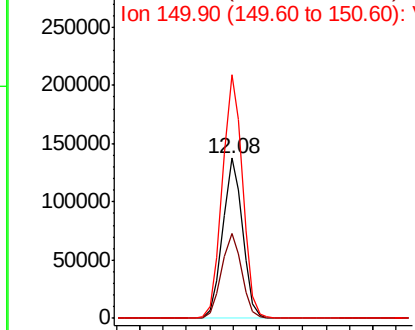
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 161967
Ion Ratio Lower Upper
152 100
115 53.5 39.0 117.0
150 154.7 0.0 351.0



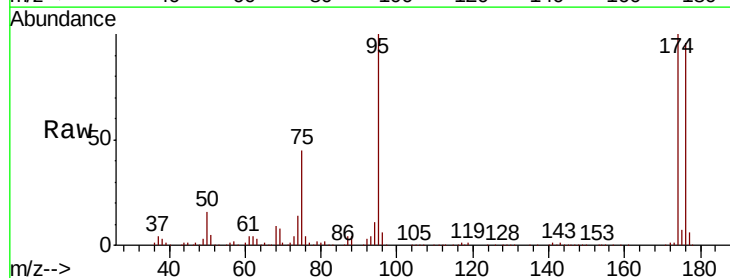
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



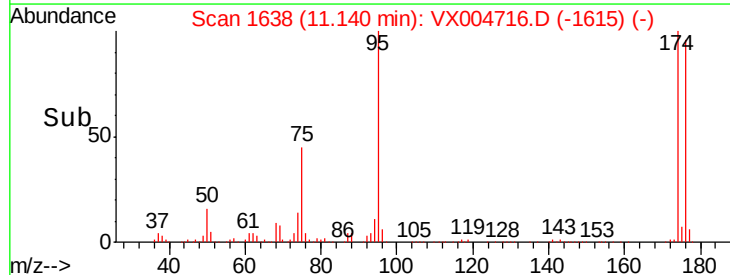
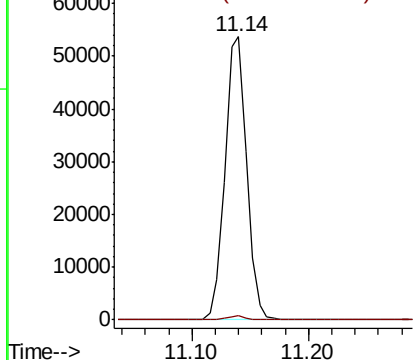
#76

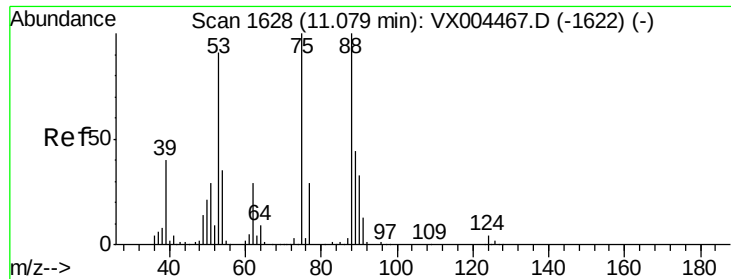
1,2,3-Trichloropropane
Concen: 21.18 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX004716.D
Acq: 19 Sep 2018 19:53

Tgt Ion: 75 Resp: 69017
Ion Ratio Lower Upper
75 100
77 1.4 20.2 60.6#



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: 67.51 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004716.D

Acq: 19 Sep 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

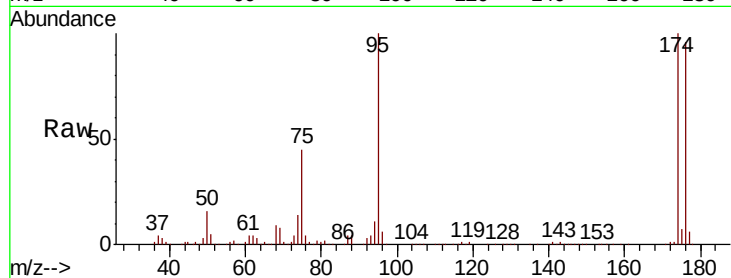
Tot Ion: 75 Resp: 69017

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#



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

