

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001014.D
 Acq On : 20 Apr 2018 17:34
 Operator : JC/MD
 Sample : J2349-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:36:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192213	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	151786	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	5.51	113	116200	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.72	98	456718	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	174964	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

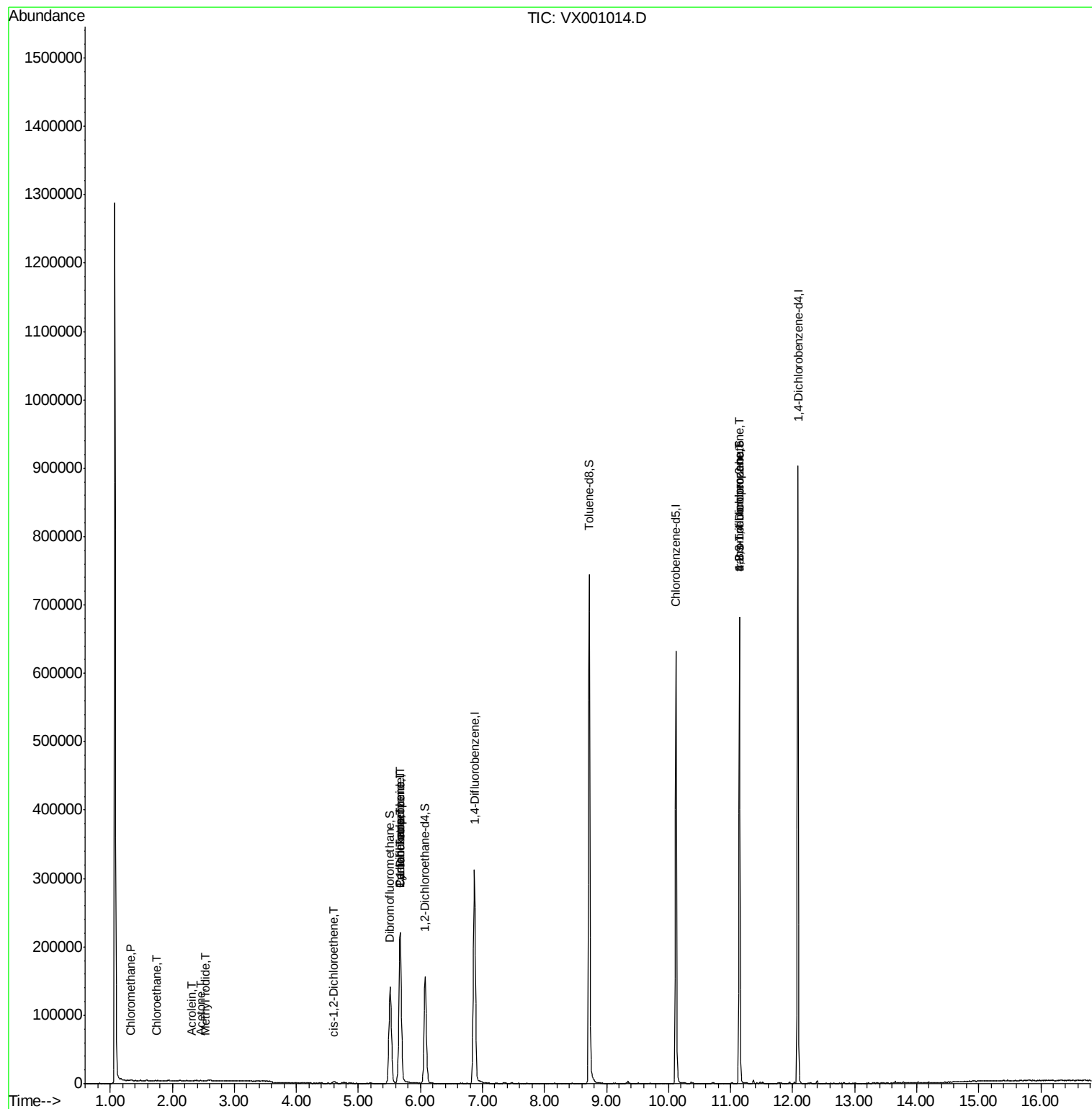
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	583	0.21	ug/l #	73
5) Bromomethane	1.66	94	263	Below Cal	#	79
6) Chloroethane	1.75	64	424	0.25	ug/l #	43
10) Methyl Iodide	2.53	142	246	7.68	ug/l #	86
13) Acrolein	2.31	56	202	12.30	ug/l #	14
16) Acetone	2.45	43	1153	1.02	ug/l #	84
20) Methylene Chloride	2.86	84	109	Below Cal	#	59
27) cis-1,2-Dichloroethene	4.60	96	1722	0.60	ug/l	88
31) Cyclohexane	5.67	56	4456	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14766	3.83	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19804	5.08	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	88917	26.66	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	88917	79.76	ug/l #	8

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

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QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

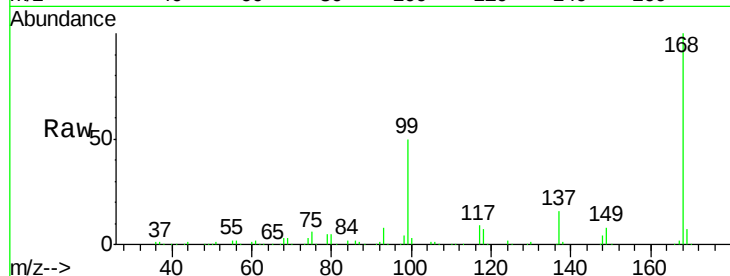
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 237742

Ion Ratio Lower Upper

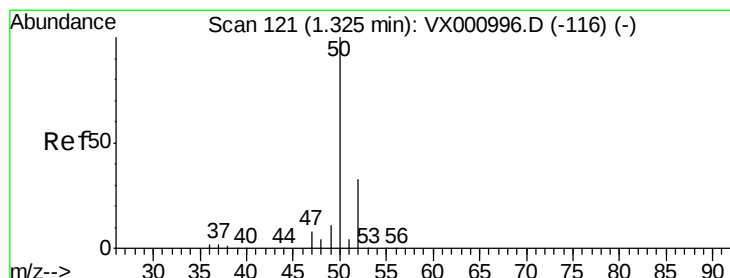
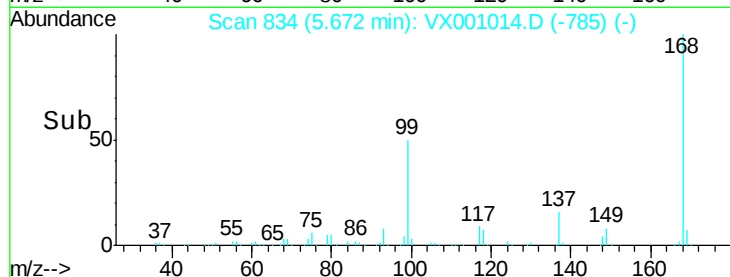
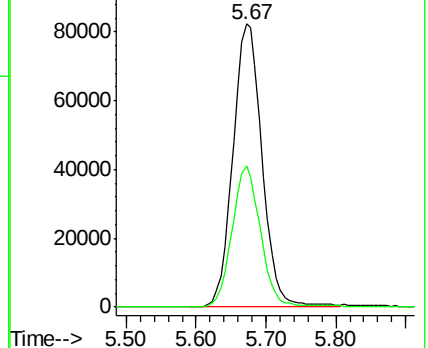
168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001014.D

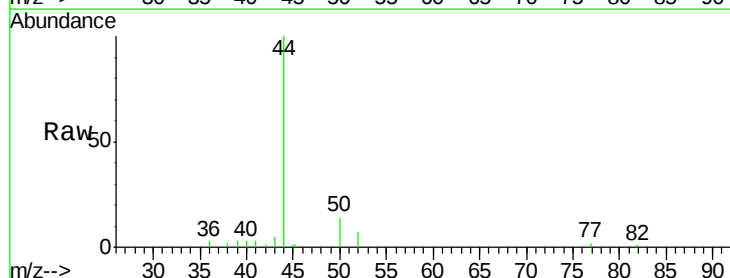
Acq: 20 Apr 2018 17:34

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

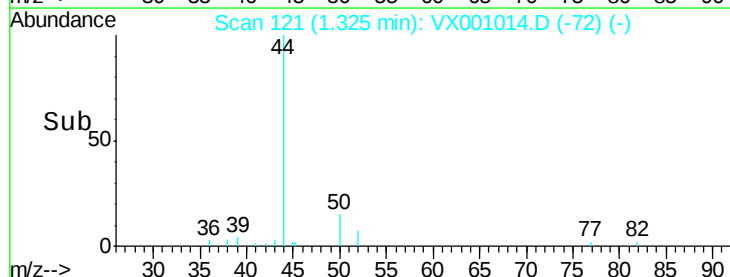
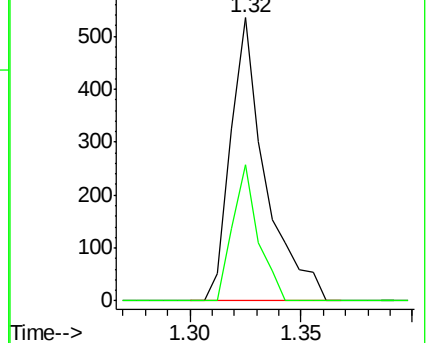
50 100

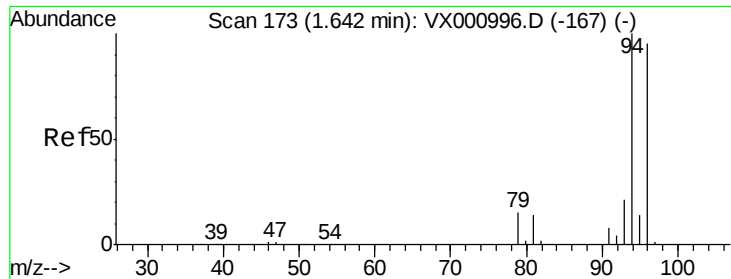
52 48.2 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Instrument :

MSVOA_X

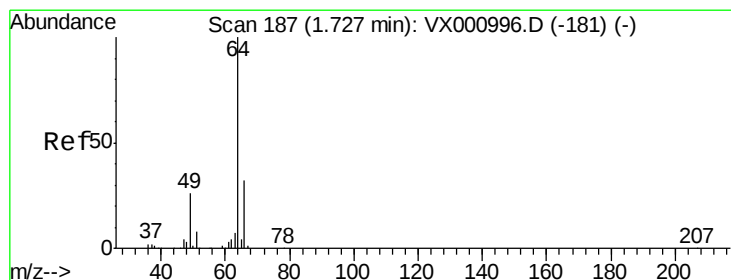
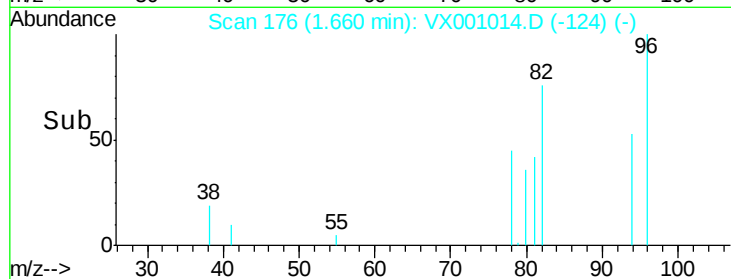
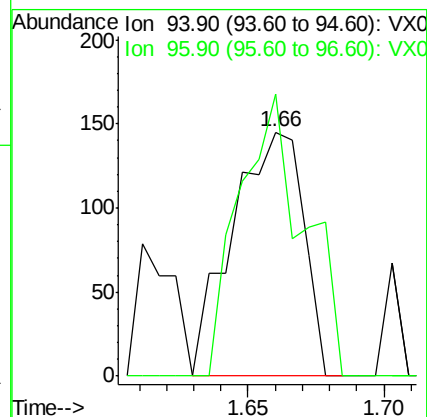
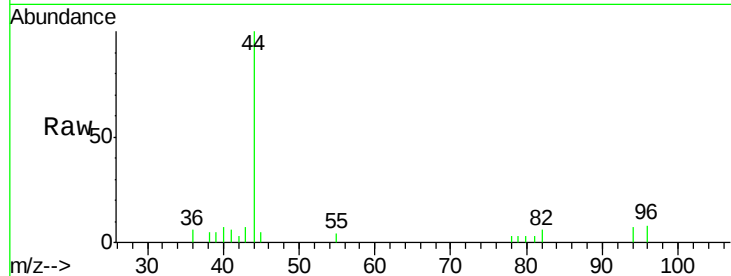
ClientSampled :

Tot Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 115.9 76.0 114.0#



#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX001014.D

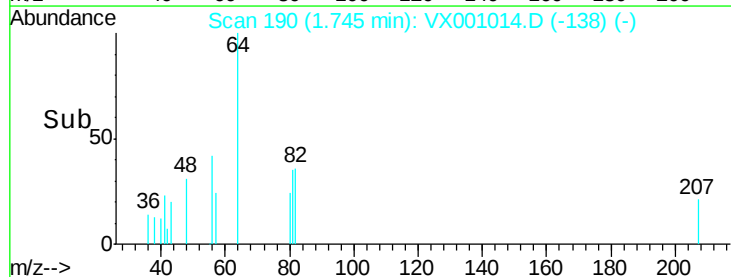
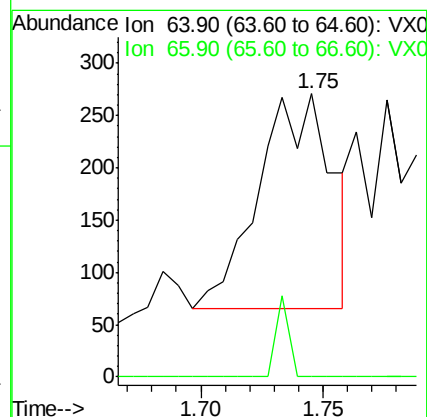
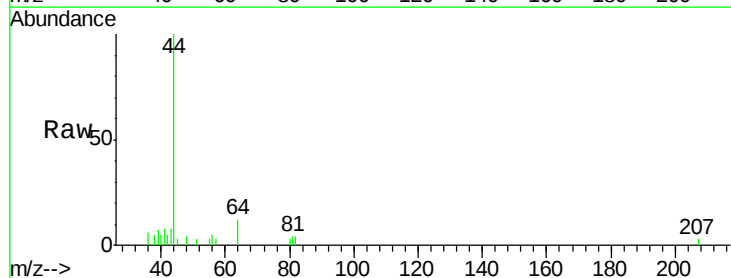
Acq: 20 Apr 2018 17:34

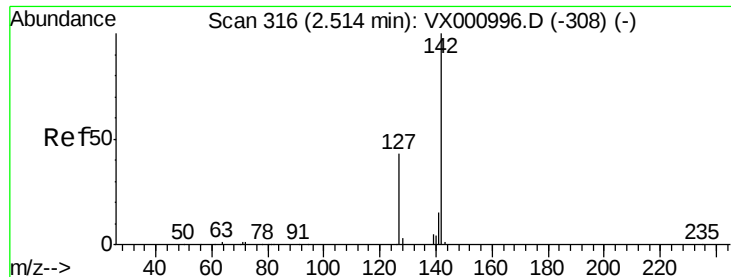
Tgt Ion: 64 Resp: 424

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

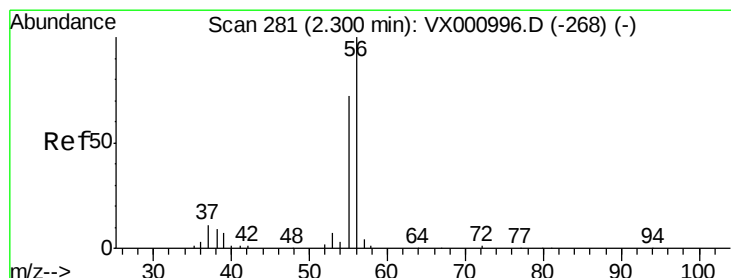
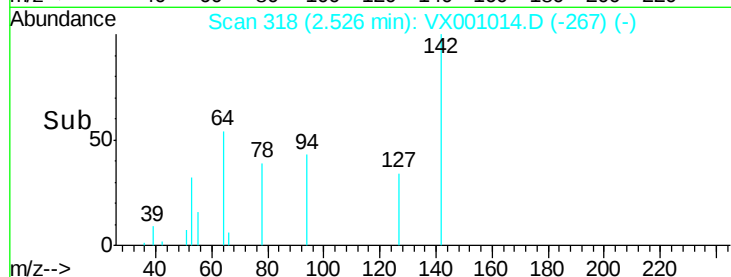
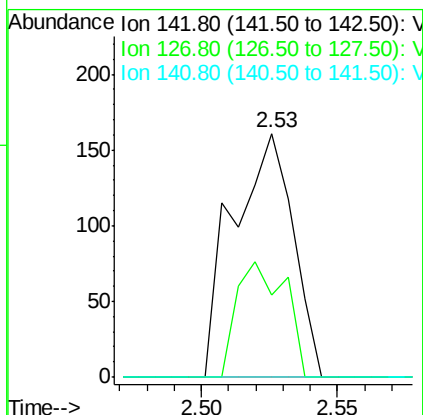
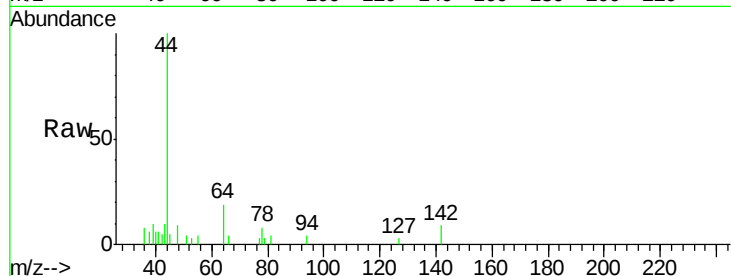




#10
Methvl Iodide
Concen: 7.68 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

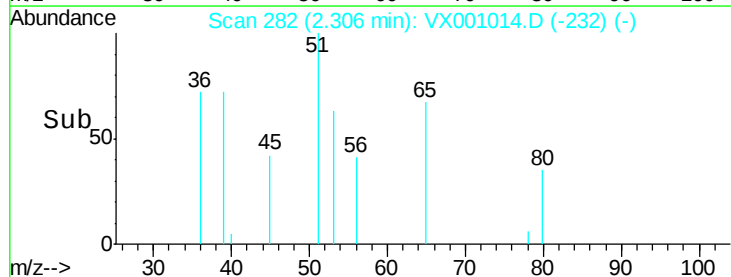
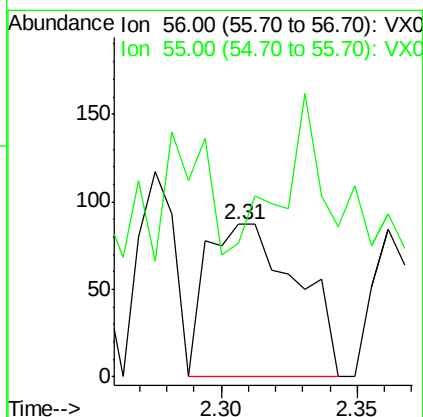
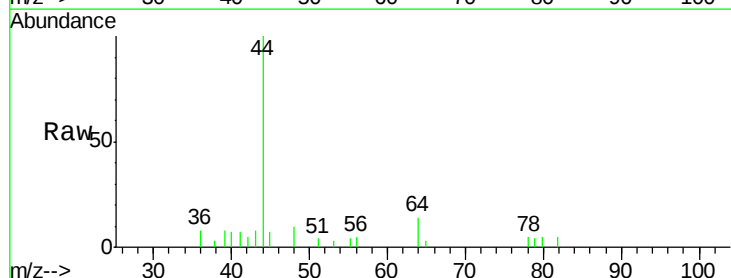
Instrument :
MSVOA_X
ClientSampleId :

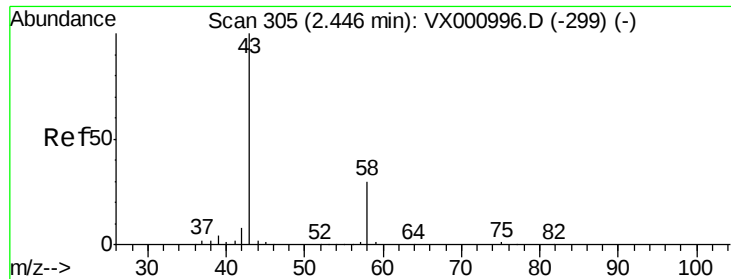
Tot Ion:142 Resp: 246
Ion Ratio Lower Upper
142 100
127 38.2 34.0 51.0
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 12.30 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#





#16

Acetone

Concen: 1.02 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Instrument :

MSVOA_X

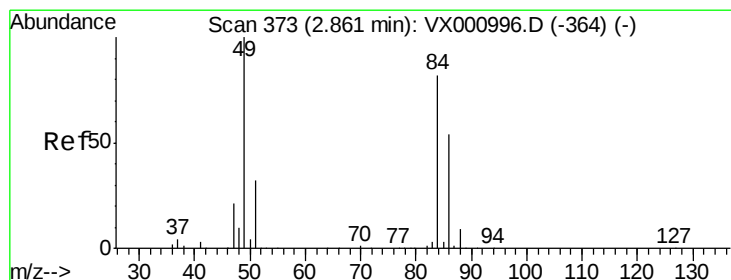
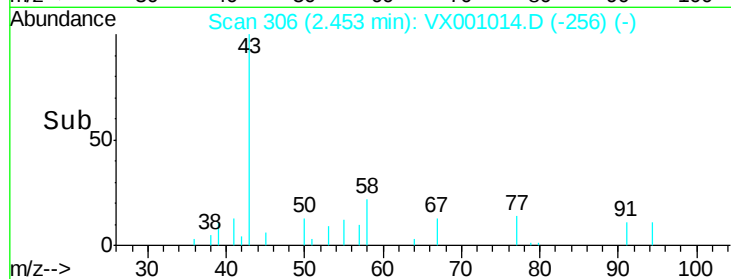
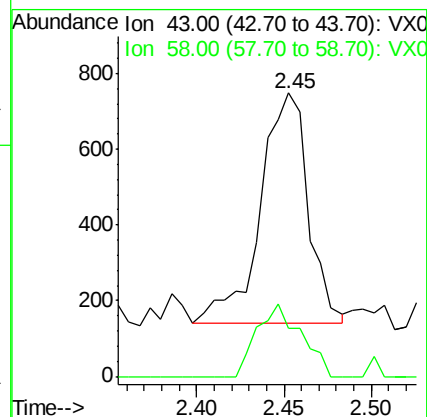
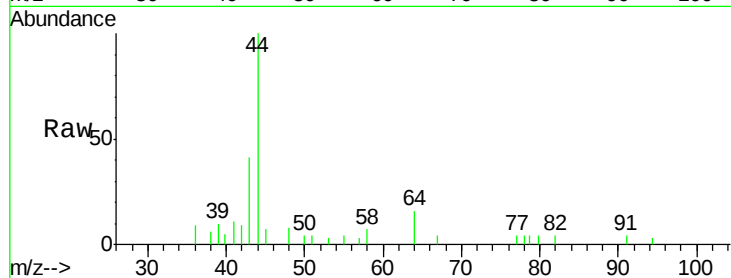
ClientSampled :

Tot Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

58 21.1 23.7 35.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Tgt Ion: 84 Resp: 109

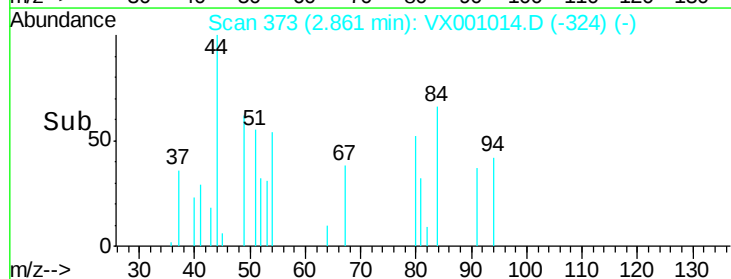
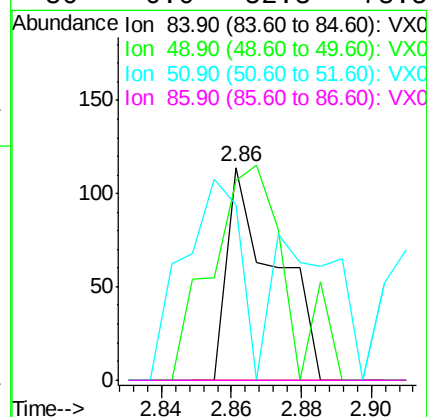
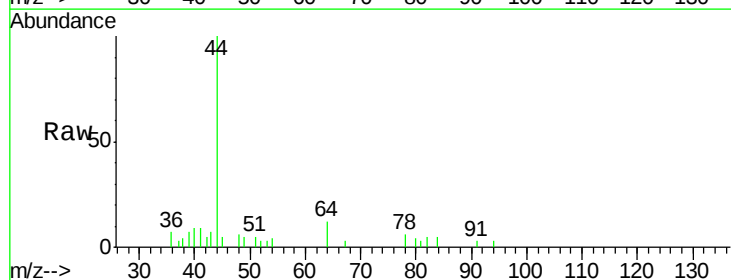
Ion Ratio Lower Upper

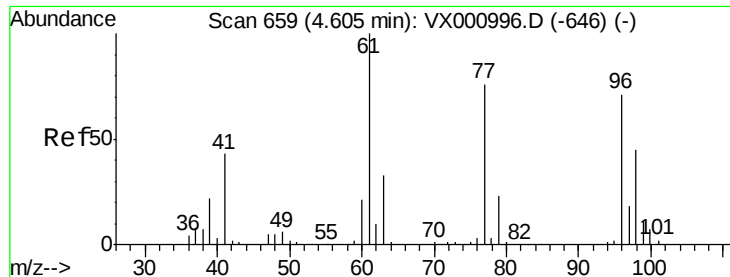
84 100

49 93.9 97.1 145.7#

51 25.4 30.8 46.2#

86 0.0 52.3 78.5#



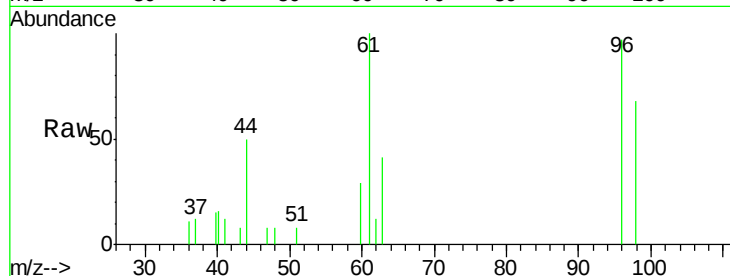


#27

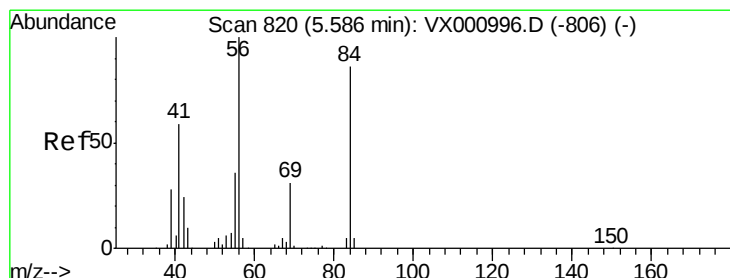
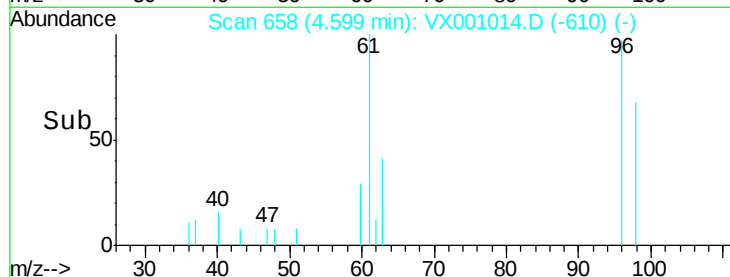
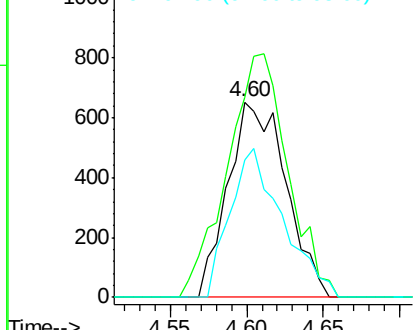
cis-1,2-Dichloroethene
Concen: 0.60 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 1722
Ion Ratio Lower Upper
96 100
61 129.6 0.0 297.0
98 69.1 0.0 130.0



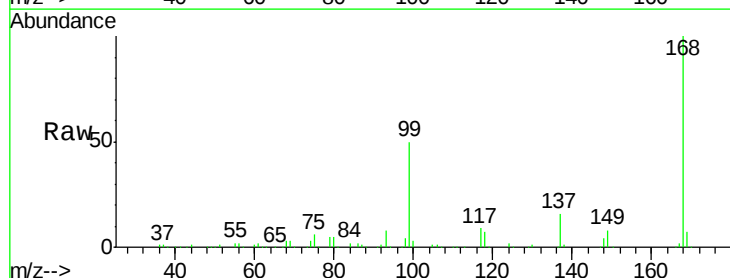
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



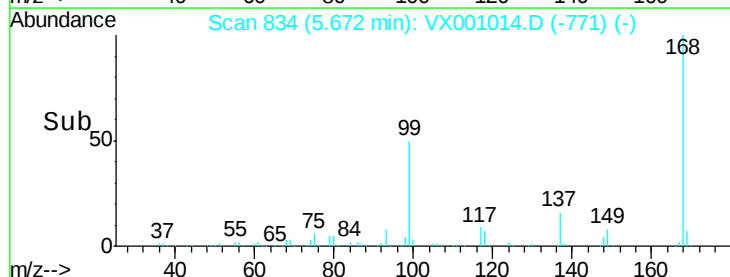
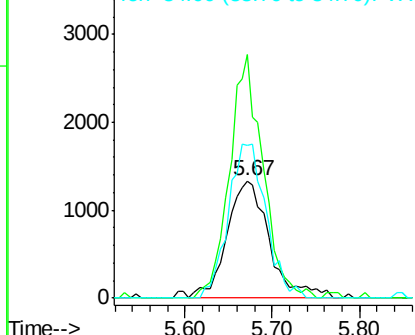
#31

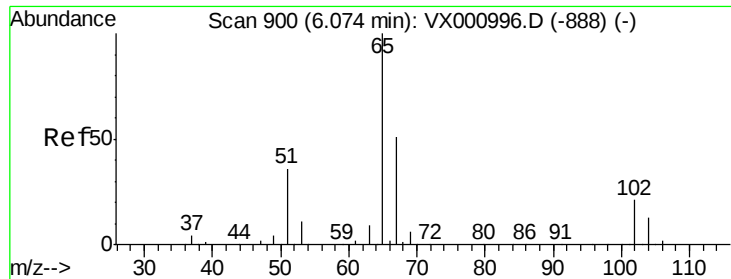
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Tgt Ion: 56 Resp: 4456
Ion Ratio Lower Upper
56 100
69 207.9 24.6 36.8#
84 130.3 69.0 103.6#



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

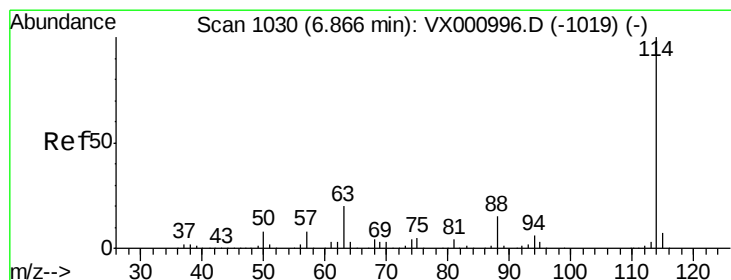
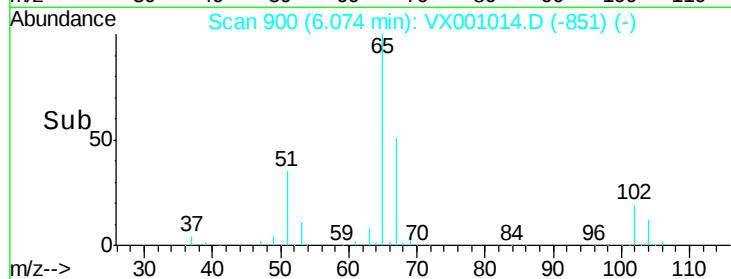
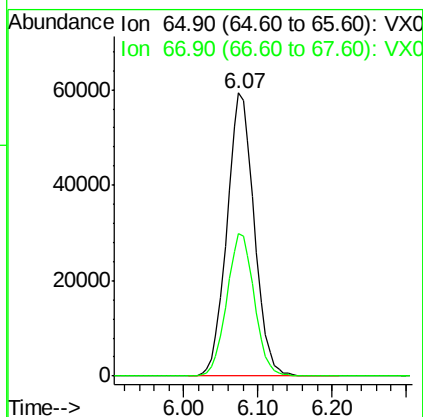
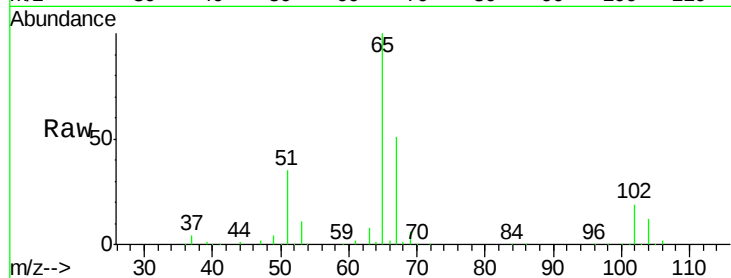




#33
 1,2-Dichloroethane-d4
 Concen: 50.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001014.D
 Acq: 20 Apr 2018 17:34

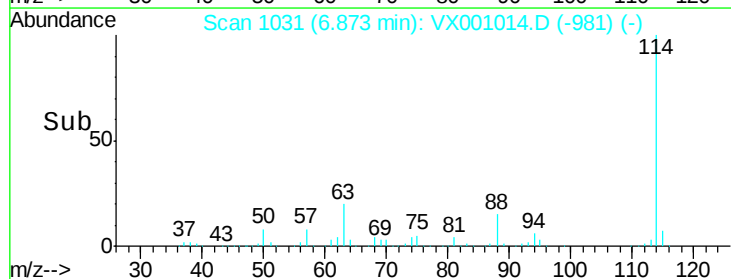
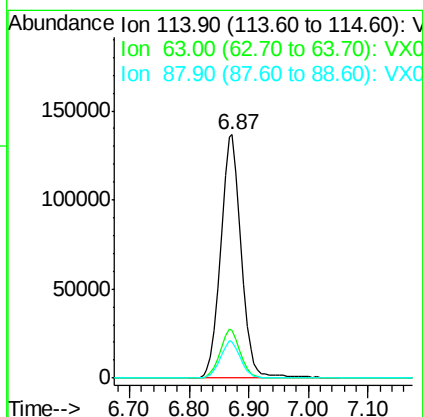
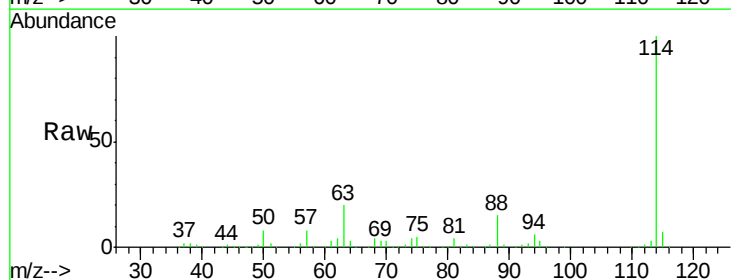
Instrument :
 MSVOA_X
 ClientSampleId :

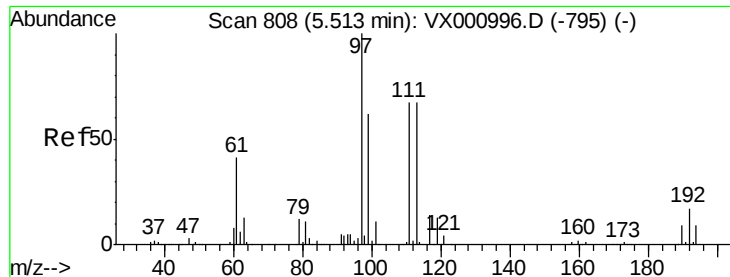
Tot Ion: 65 Resp: 151786
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001014.D
 Acq: 20 Apr 2018 17:34

Tgt Ion: 114 Resp: 327908
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.47 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Instrument :

MSVOA_X

ClientSampled :

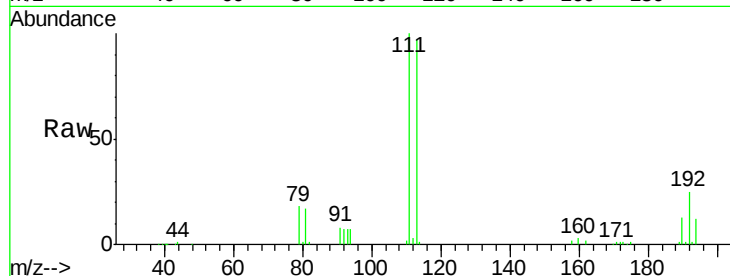
Tot Ion:113 Resp: 116200

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

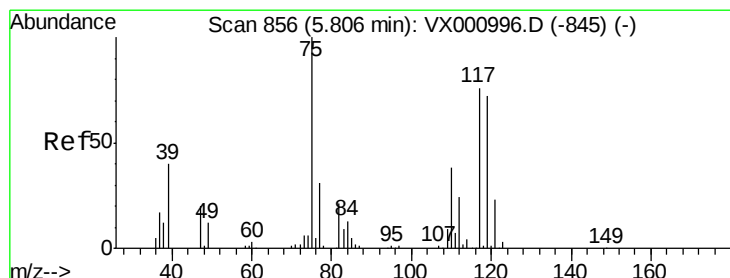
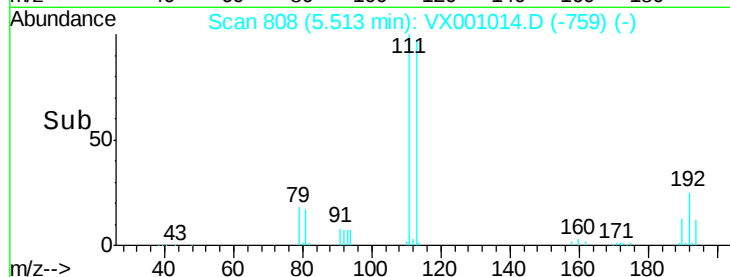
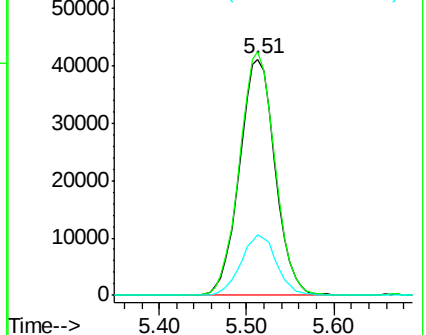
192 25.4 20.4 30.6



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: 3.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

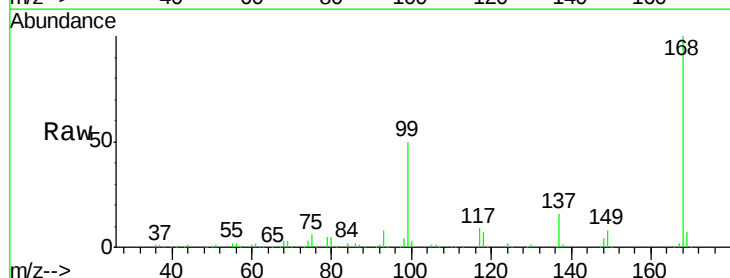
Tgt Ion: 75 Resp: 14766

Ion Ratio Lower Upper

75 100

110 10.3 18.7 56.1#

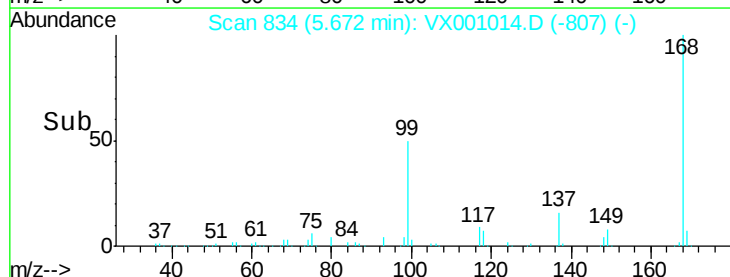
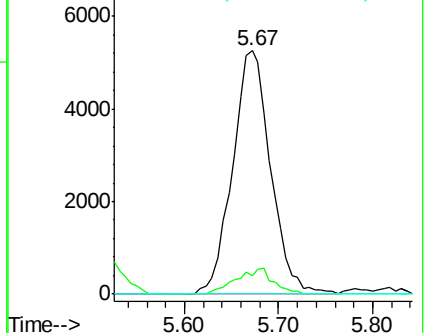
77 0.0 25.0 37.4#

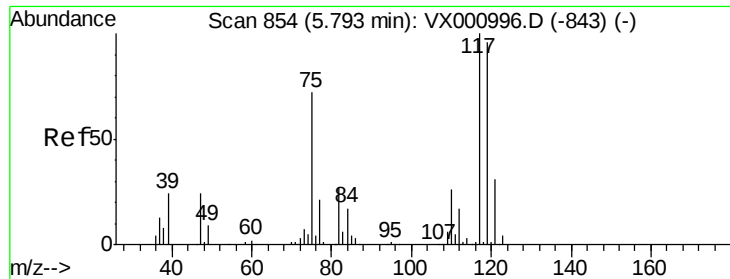


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

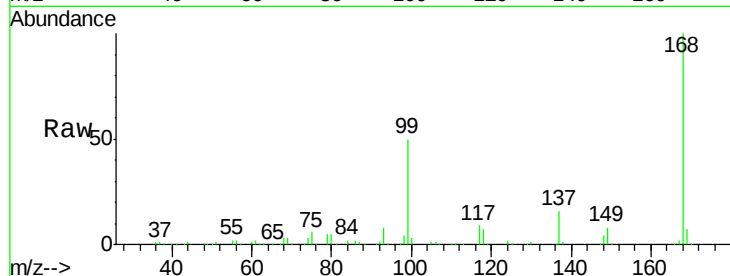




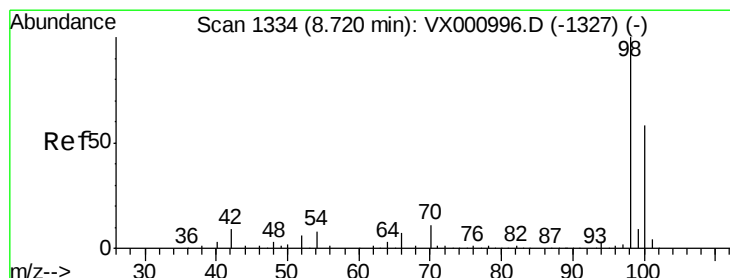
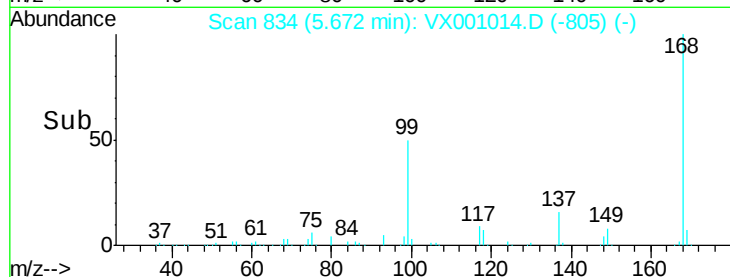
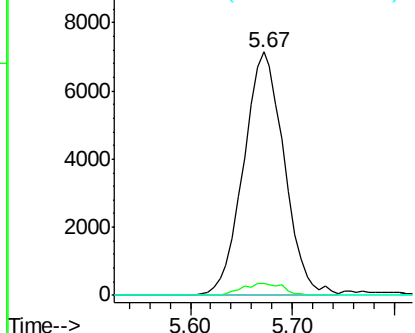
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 19804
Ion Ratio Lower Upper
117 100
119 5.1 76.5 114.7#
121 0.0 24.5 36.7#

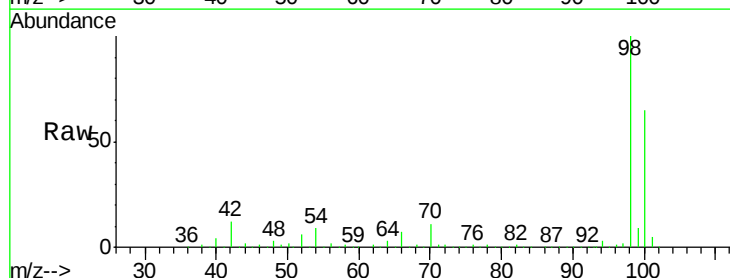


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

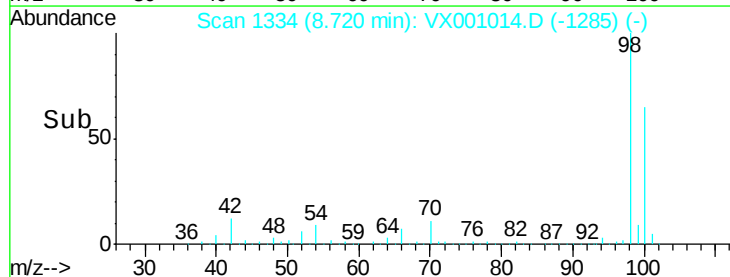
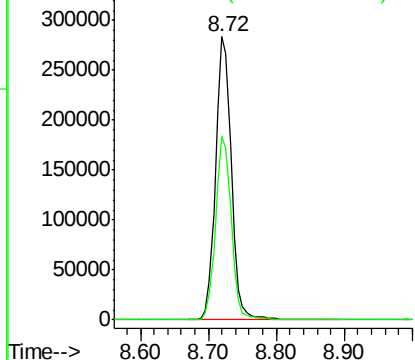


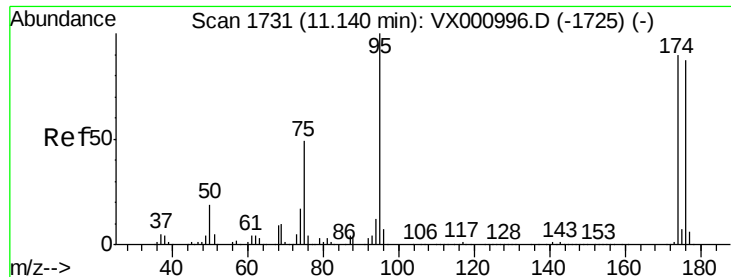
#50
Toluene-d8
Concen: 49.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Tgt Ion: 98 Resp: 456718
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



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

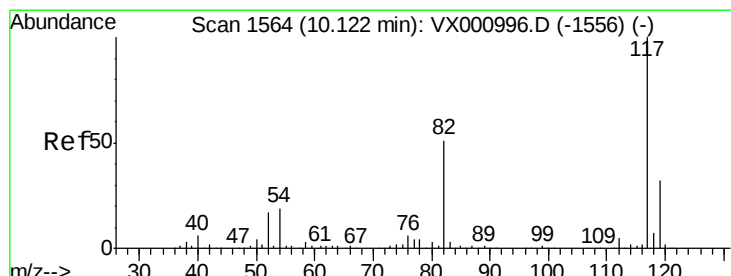
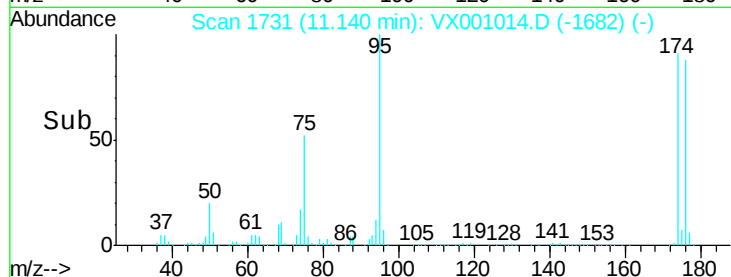
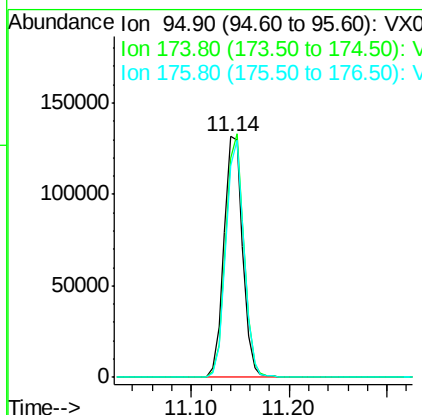
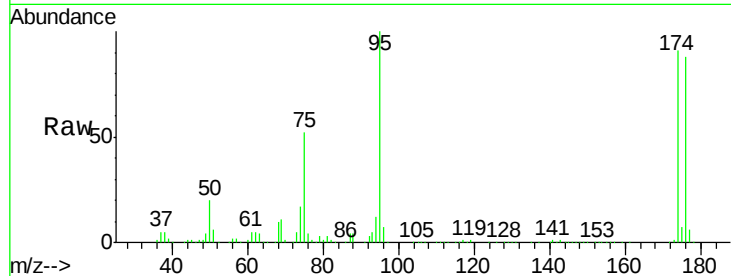




#62
4-Bromofluorobenzene
Concen: 45.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

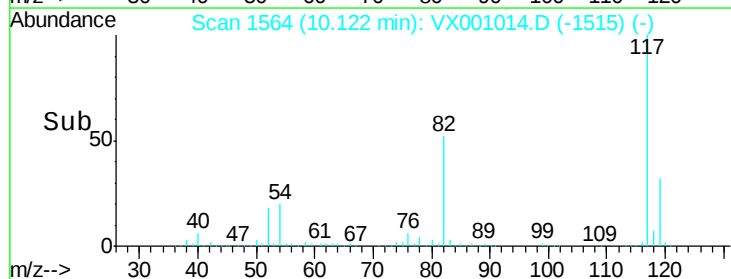
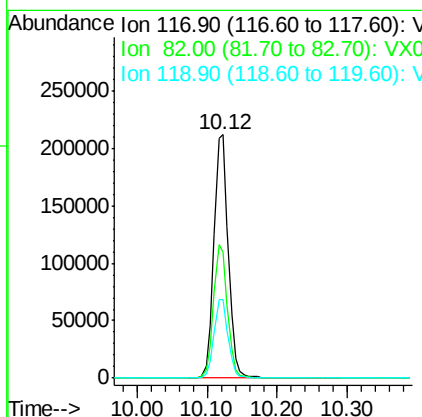
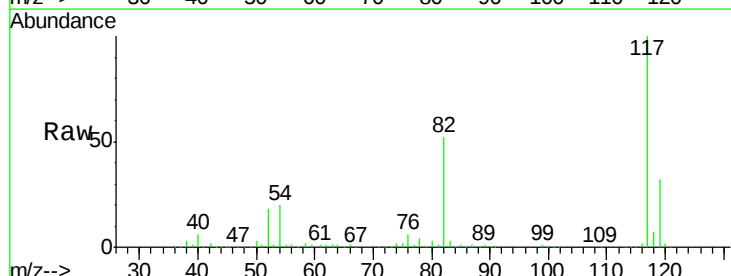
Instrument :
MSVOA_X
ClientSampleId :

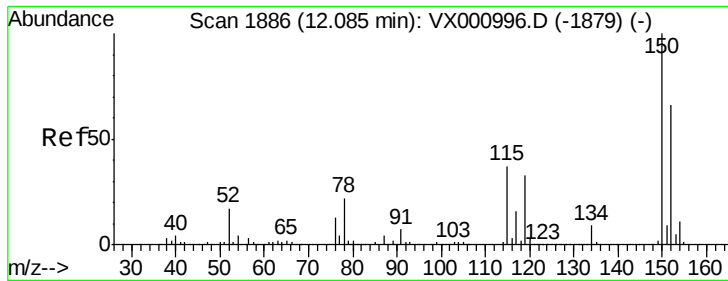
Tot Ion: 95 Resp: 174964
Ion Ratio Lower Upper
95 100
174 97.9 0.0 198.4
176 95.3 0.0 192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001014.D
Acq: 20 Apr 2018 17:34

Tgt Ion: 117 Resp: 301762
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 32.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

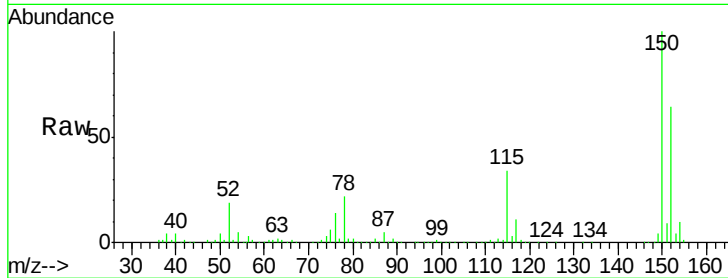
Tot Ion:152 Resp: 192213

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

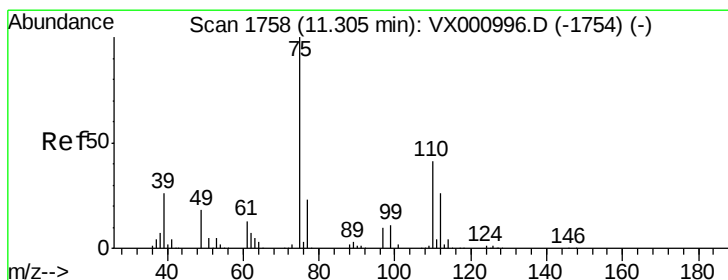
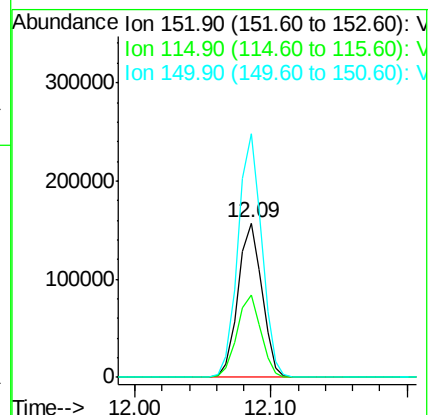
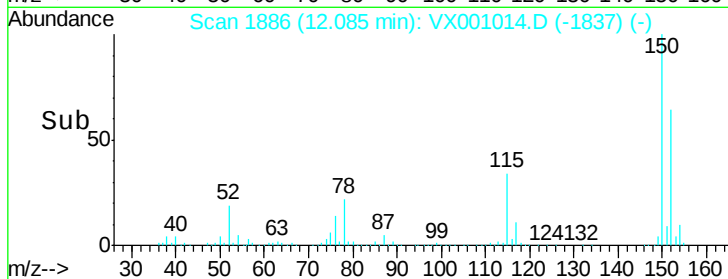
150 156.7 0.0 350.4



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: 26.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001014.D

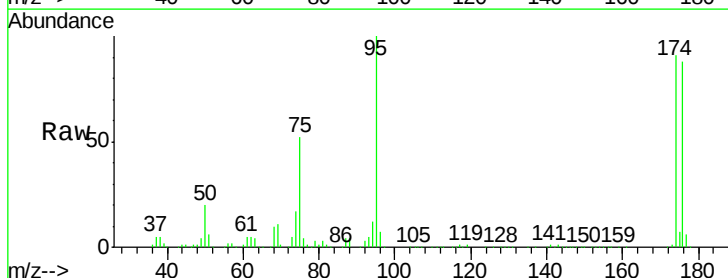
Acq: 20 Apr 2018 17:34

Tgt Ion: 75 Resp: 88917

Ion Ratio Lower Upper

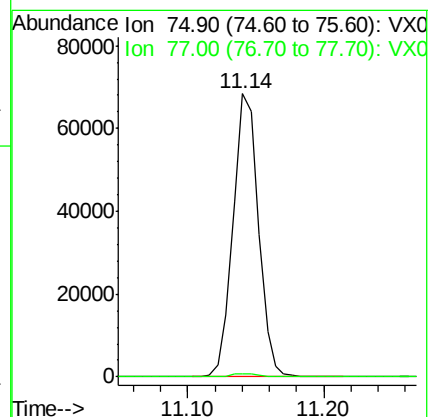
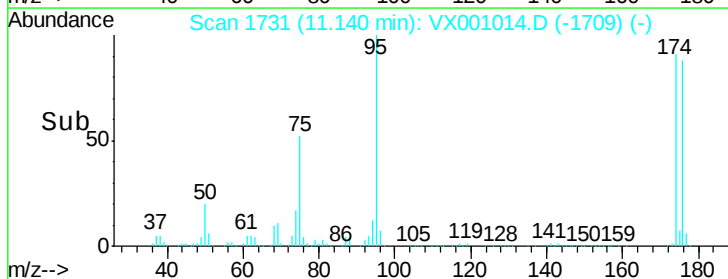
75 100

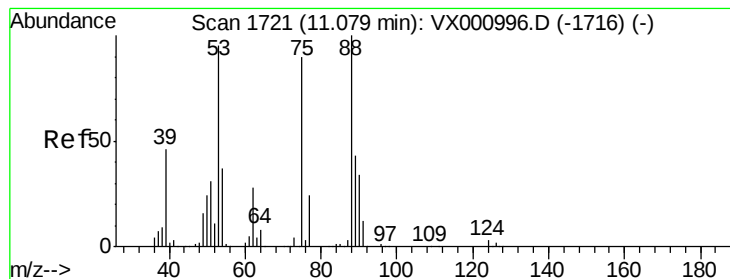
77 1.2 19.6 58.7#



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: 79.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001014.D

Acq: 20 Apr 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

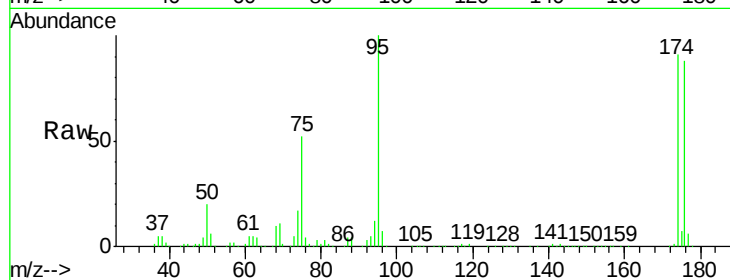
Tot Ion: 75 Resp: 88917

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



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

