

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001019.D
 Acq On : 20 Apr 2018 19:41
 Operator : JC/MD
 Sample : J2359-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:37:39 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	232016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	201549	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	150550	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	5.51	113	116072	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.72	98	460500	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.14	95	179364	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

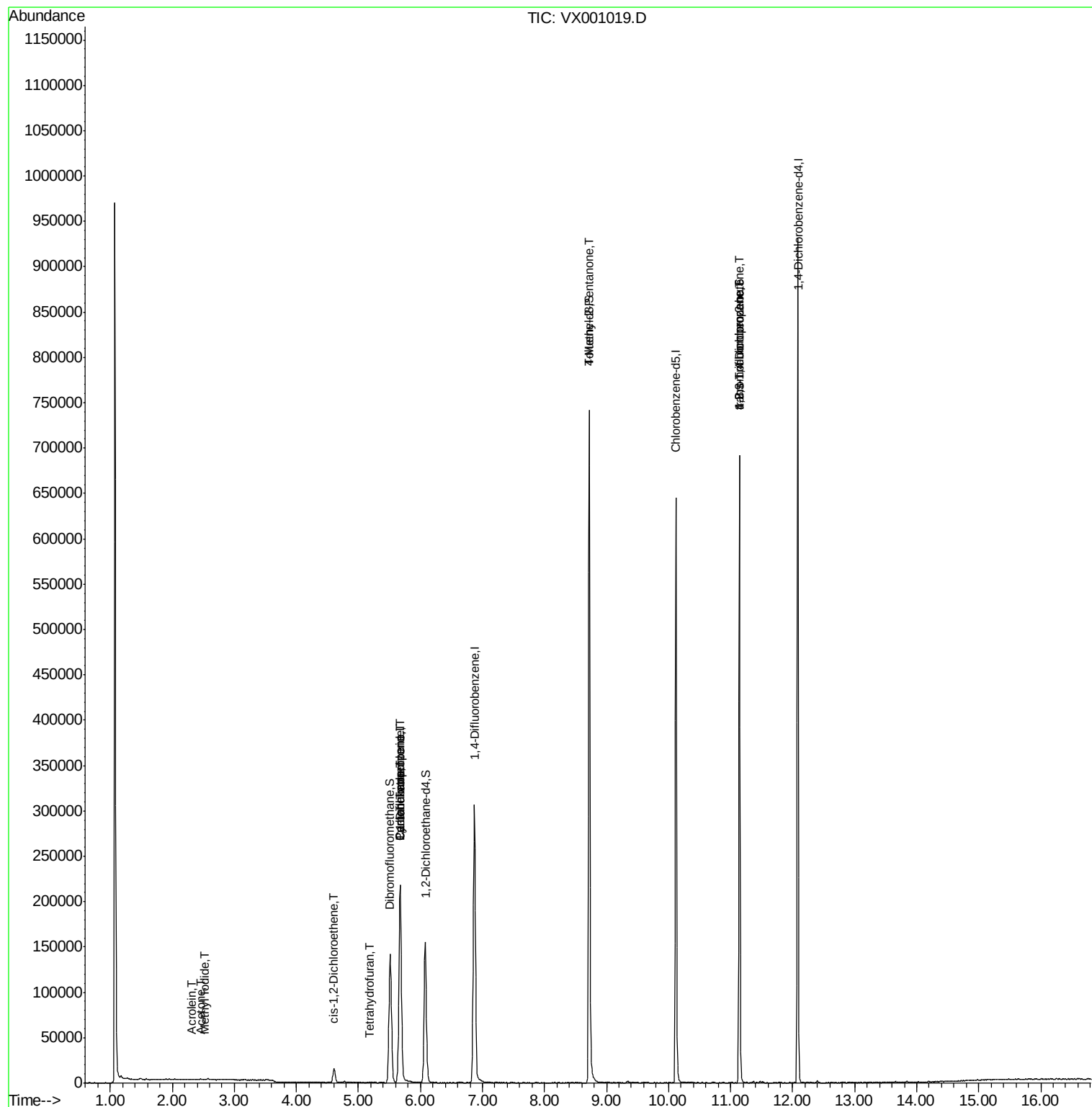
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	49	Below Cal	#	2
10) Methyl Iodide	2.52	142	80	7.63	ug/l #	41
13) Acrolein	2.31	56	128	11.82	ug/l #	62
16) Acetone	2.45	43	578	0.52	ug/l	98
20) Methylene Chloride	2.86	84	174	Below Cal	#	45
27) cis-1,2-Dichloroethene	4.60	96	9758	3.48	ug/l	88
29) Tetrahydrofuran	5.18	42	457	0.42	ug/l #	42
31) Cyclohexane	5.68	56	4213	1.02	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	14006	3.63	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20213	5.18	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	2174	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	90900	25.99	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90900	77.84	ug/l #	8

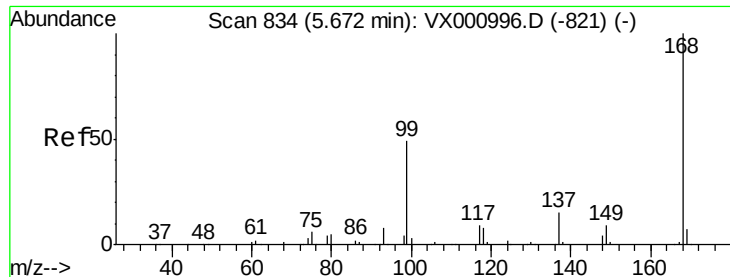
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

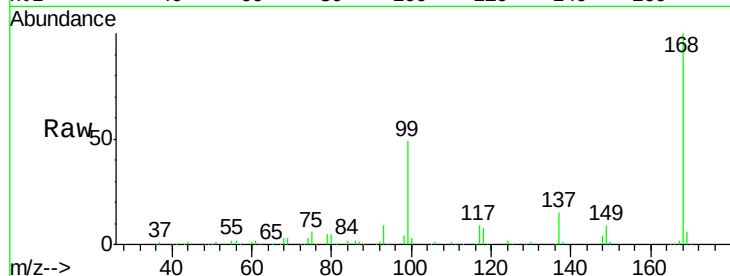
ClientSampleId :

Tot Ion:168 Resp: 232016

Ion Ratio Lower Upper

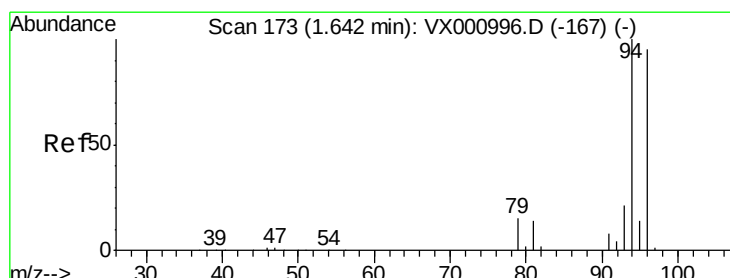
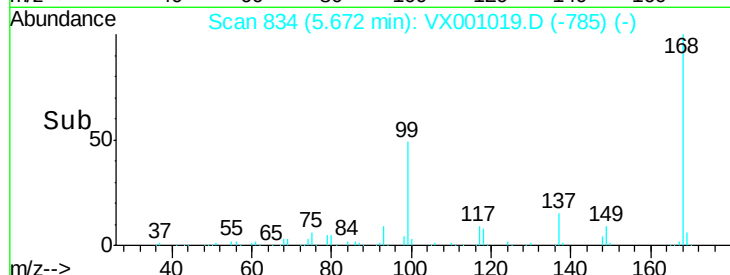
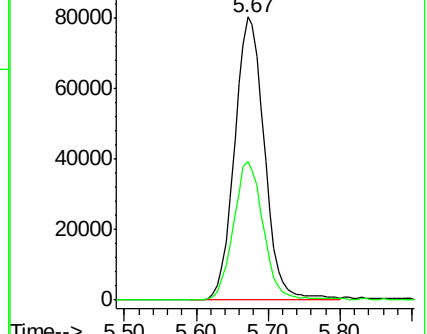
168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.02 min

Lab File: VX001019.D

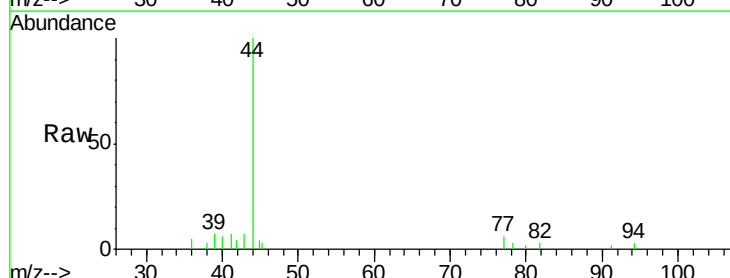
Acq: 20 Apr 2018 19:41

Tgt Ion: 94 Resp: 49

Ion Ratio Lower Upper

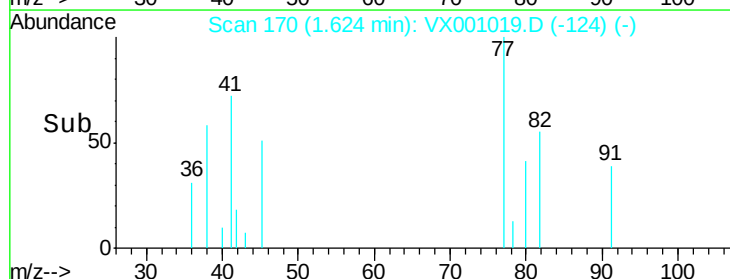
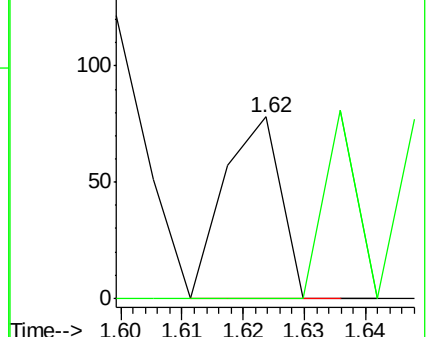
94 100

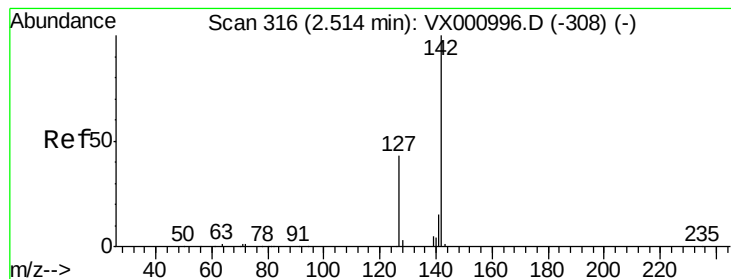
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 7.63 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampled :

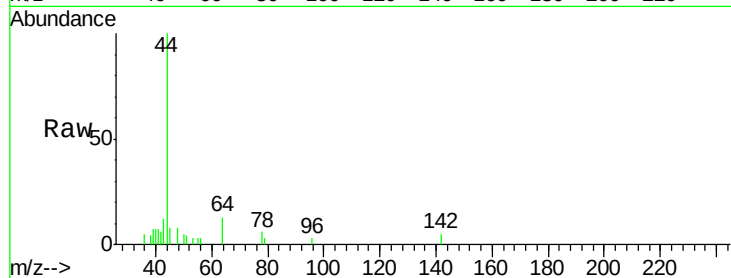
Tot Ion:142 Resp: 80

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

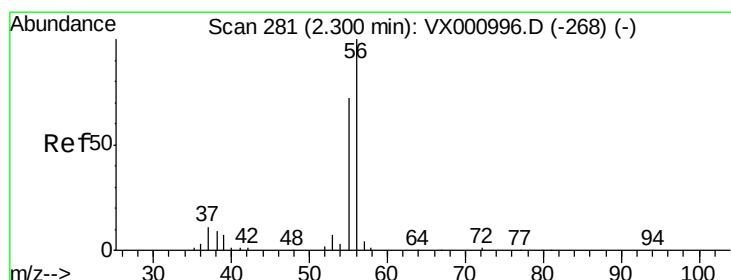
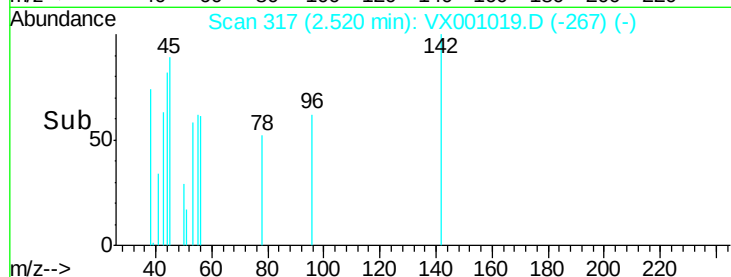
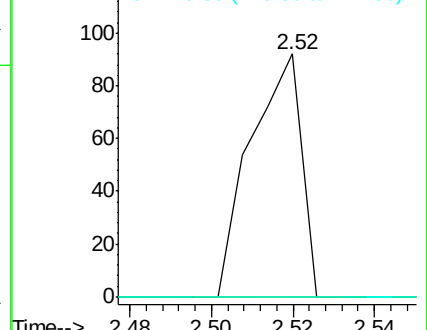
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 11.82 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001019.D

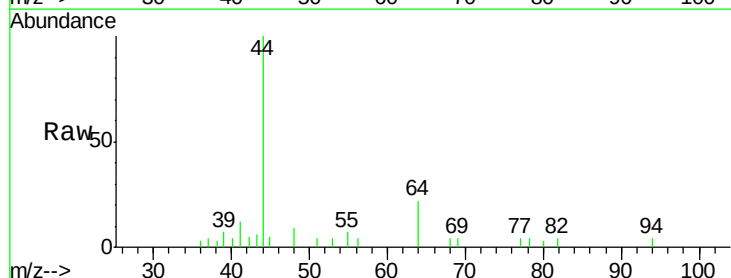
Acq: 20 Apr 2018 19:41

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

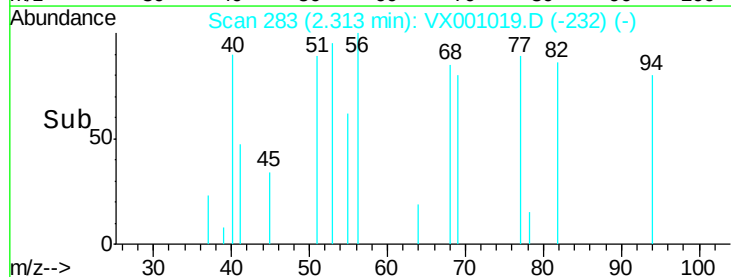
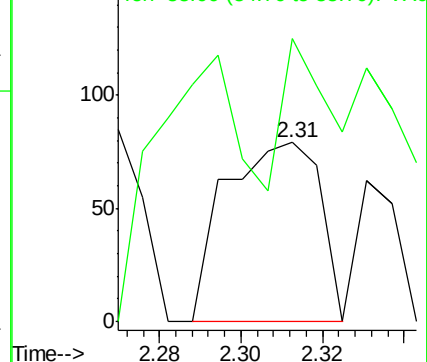
56 100

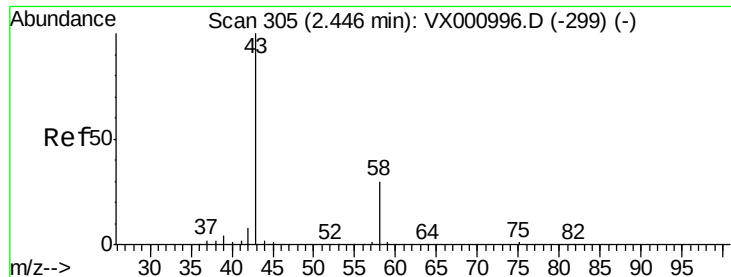
55 39.8 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.52 ua/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

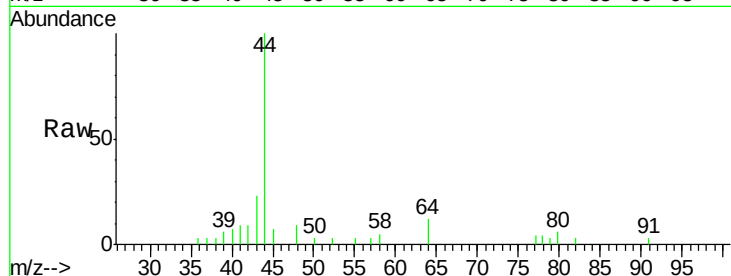
ClientSampled :

Tot Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 30.9 23.7 35.5

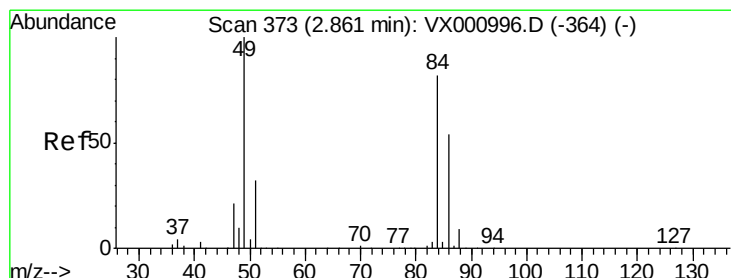
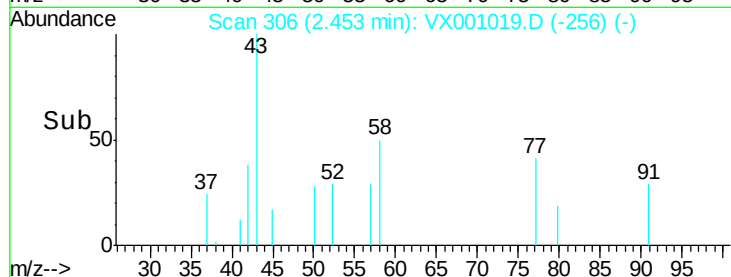


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Tgt Ion: 84 Resp: 174

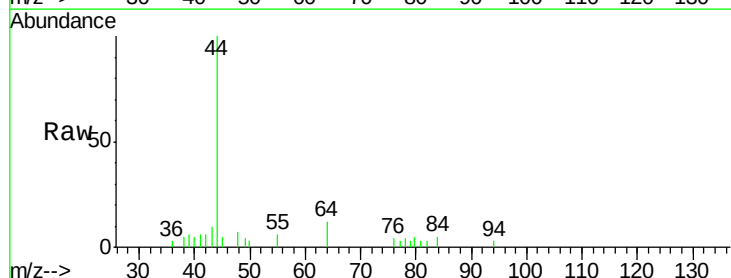
Ion Ratio Lower Upper

84 100

49 79.6 97.1 145.7#

51 0.0 30.8 46.2#

86 0.0 52.3 78.5#



Abundance Ion 83.90 (83.60 to 84.60): VX0

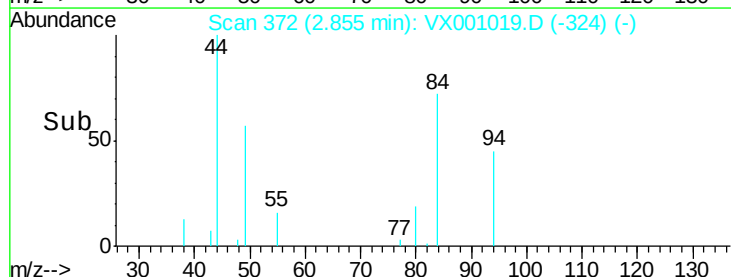
Ion 48.90 (48.60 to 49.60): VX0

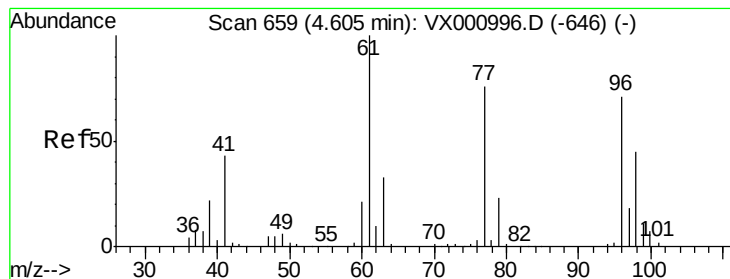
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->

2.85 2.90





#27

cis-1,2-Dichloroethene

Concen: 3.48 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampled :

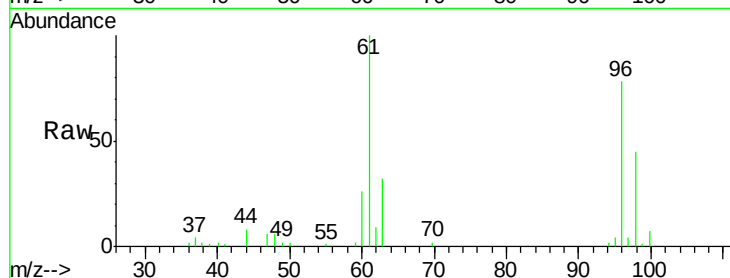
Tot Ion: 96 Resp: 9758

Ion Ratio Lower Upper

96 100

61 127.5 0.0 297.0

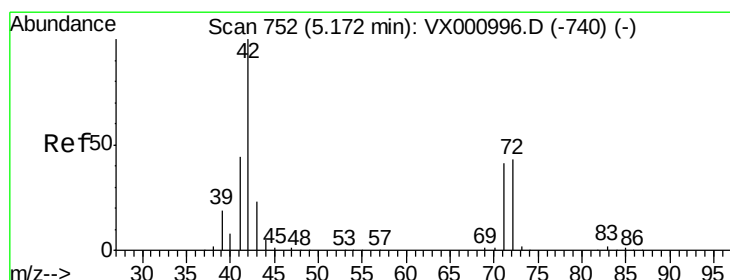
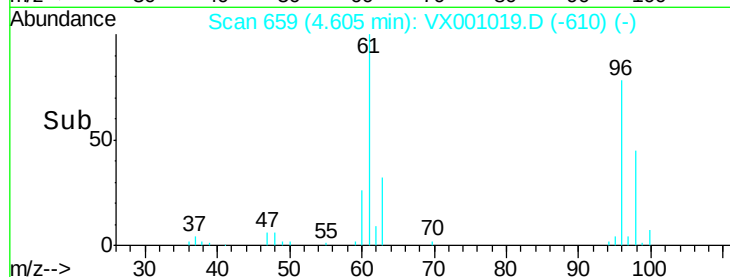
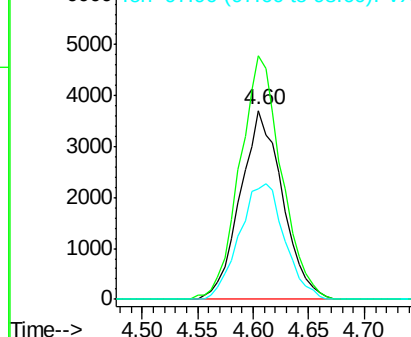
98 65.3 0.0 130.0



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



#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

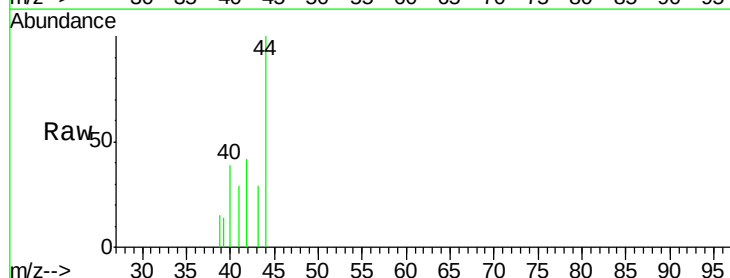
Tgt Ion: 42 Resp: 457

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

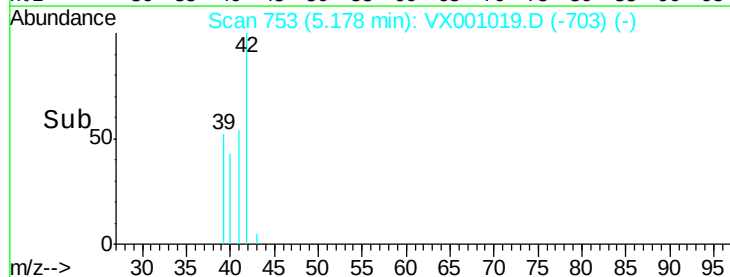
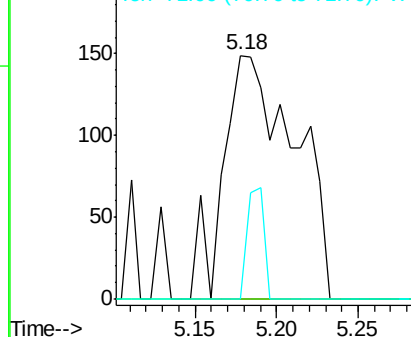
71 10.7 32.6 49.0#

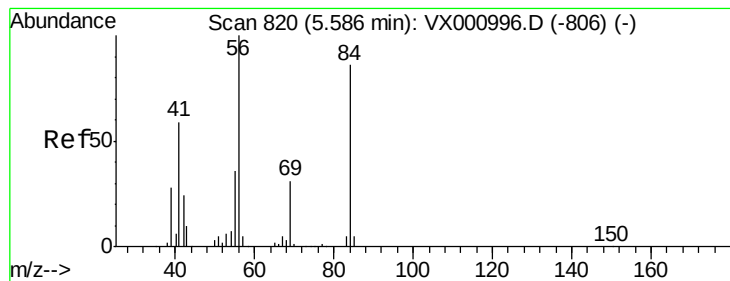


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.02 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

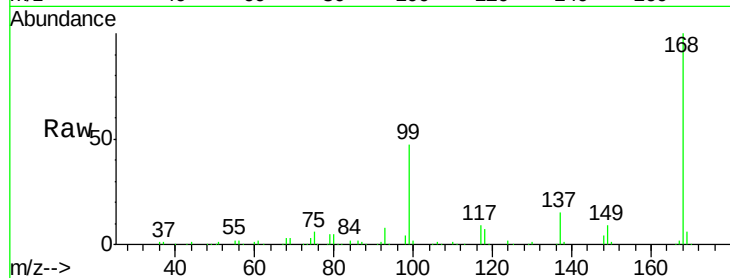
Tot Ion: 56 Resp: 4213

Ion Ratio Lower Upper

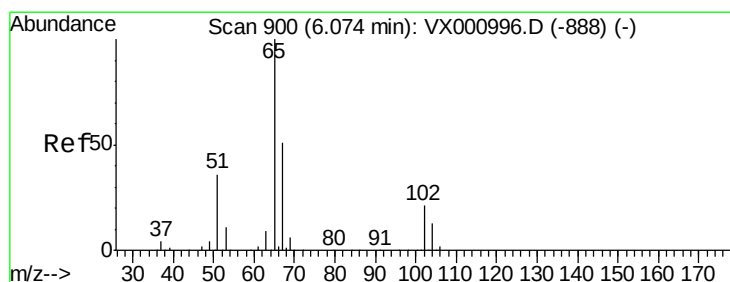
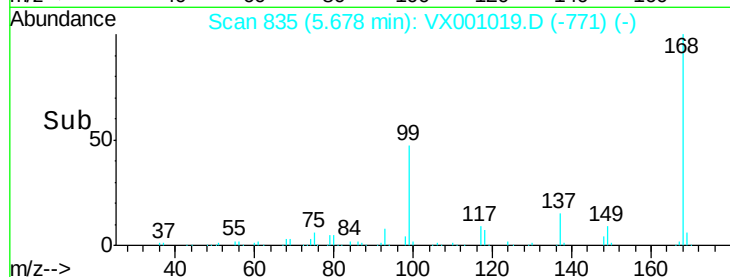
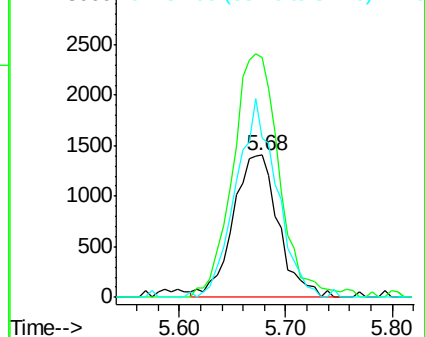
56 100

69 168.9 24.6 36.8#

84 112.3 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: 51.19 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001019.D

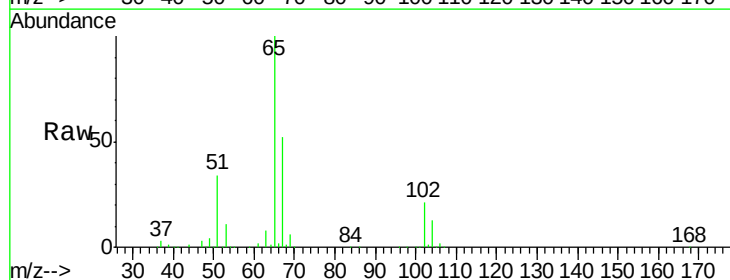
Acq: 20 Apr 2018 19:41

Tgt Ion: 65 Resp: 150550

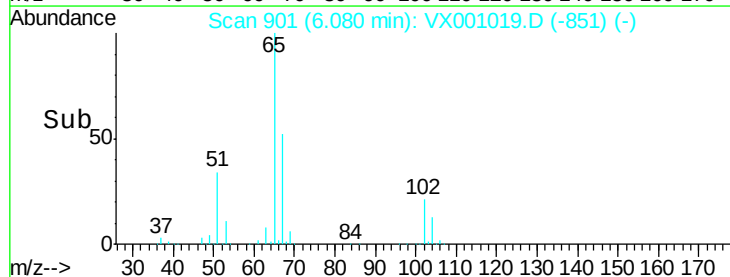
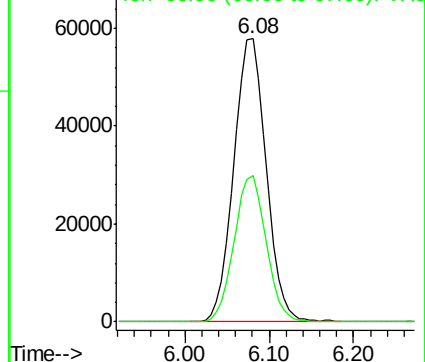
Ion Ratio Lower Upper

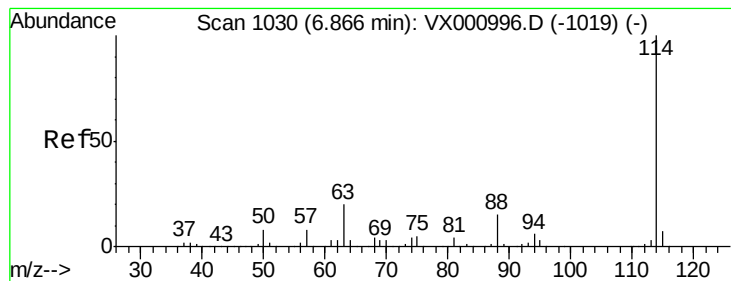
65 100

67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

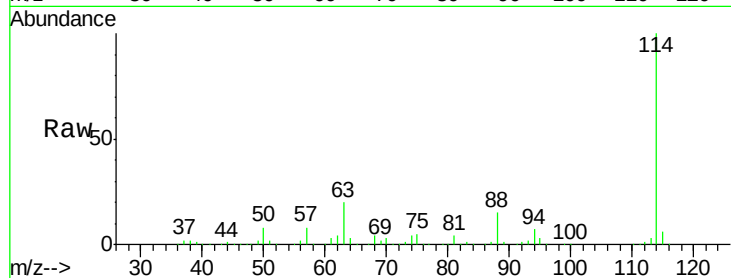
Tot Ion:114 Resp: 328011

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

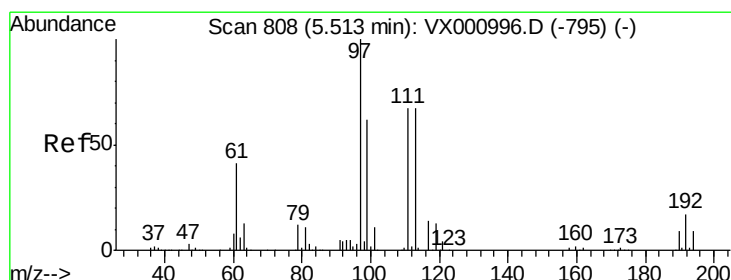
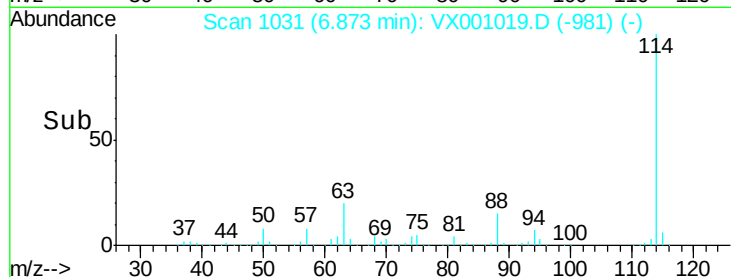
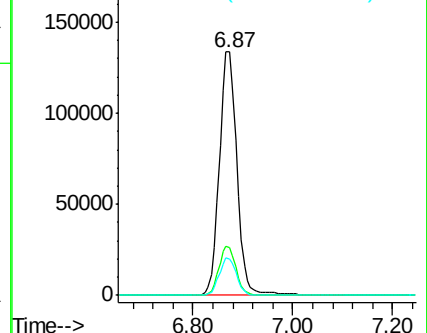
88 15.0 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.41 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

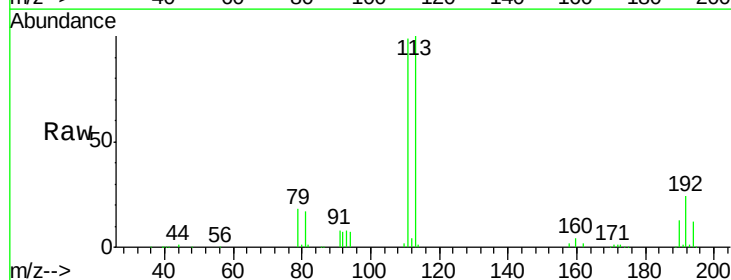
Tgt Ion:113 Resp: 116072

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.2

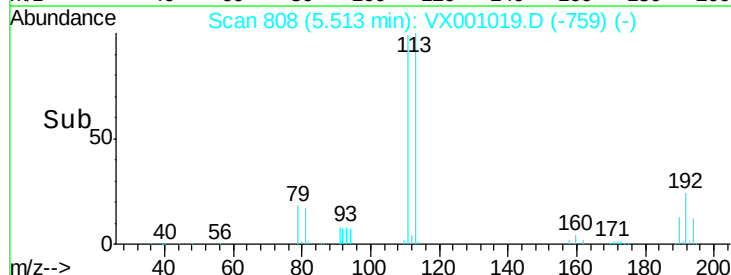
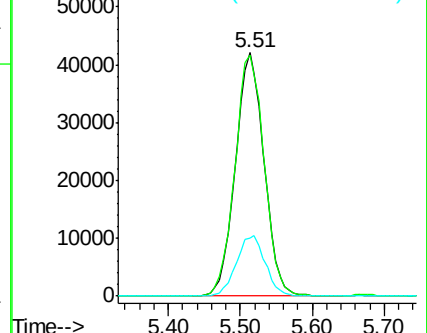
192 24.9 20.4 30.6

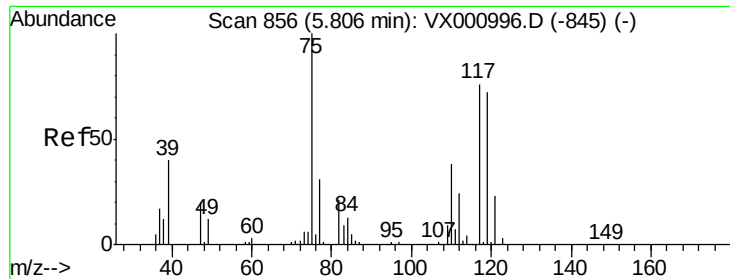


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

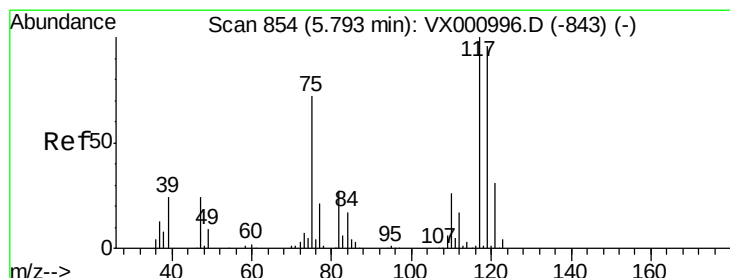
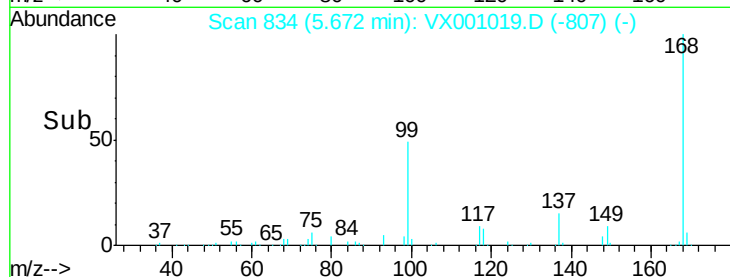
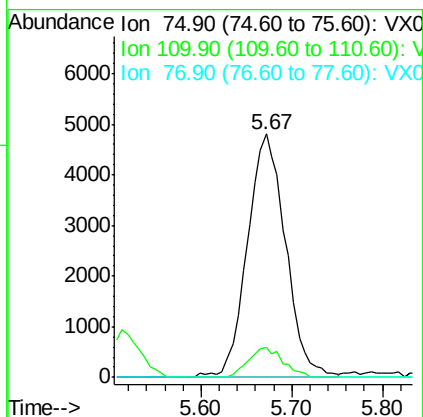
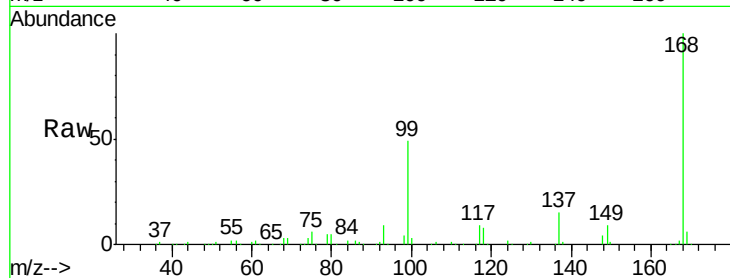




#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001019.D
 Acq: 20 Apr 2018 19:41

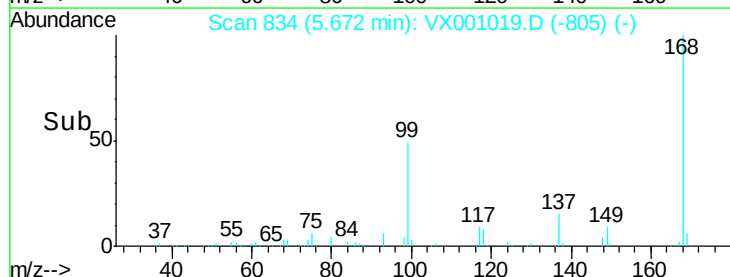
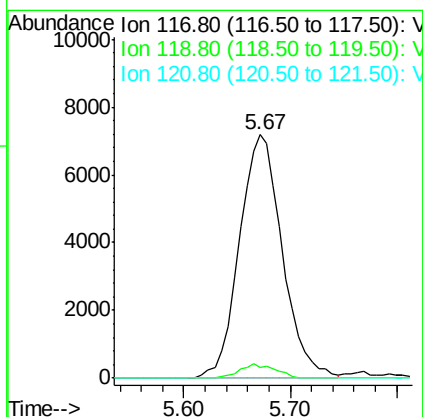
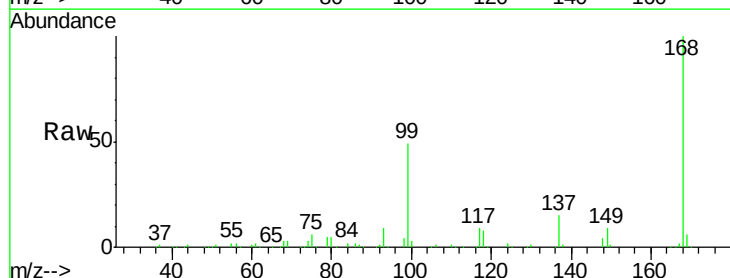
Instrument :
 MSVOA_X
 ClientSampled :

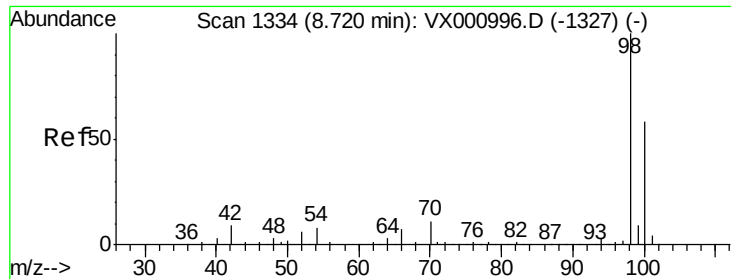
Tot Ion: 75 Resp: 14006
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.18 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001019.D
 Acq: 20 Apr 2018 19:41

Tgt Ion: 117 Resp: 20213
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.5 114.7#
 121 0.0 24.5 36.7#

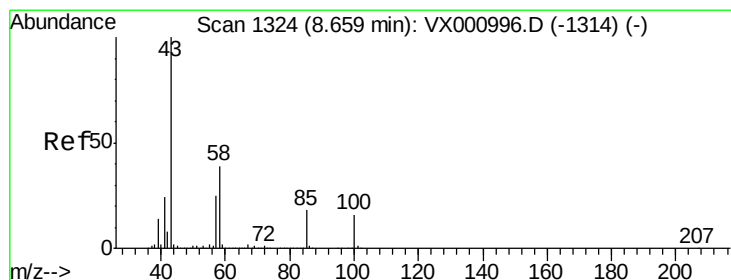
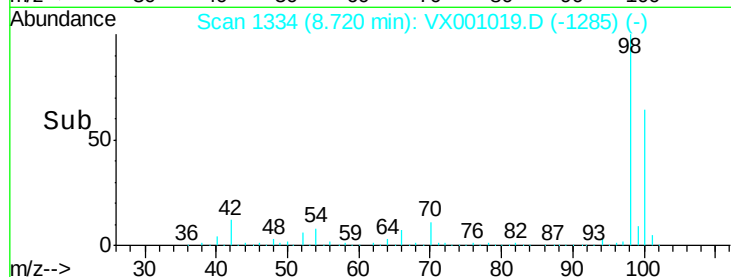
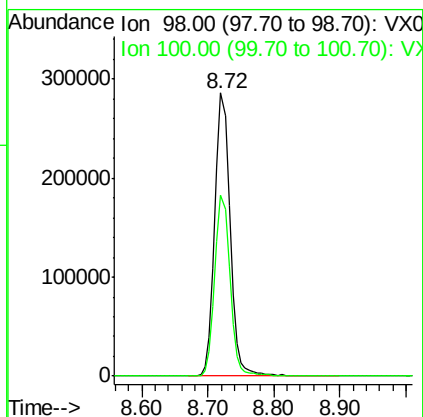
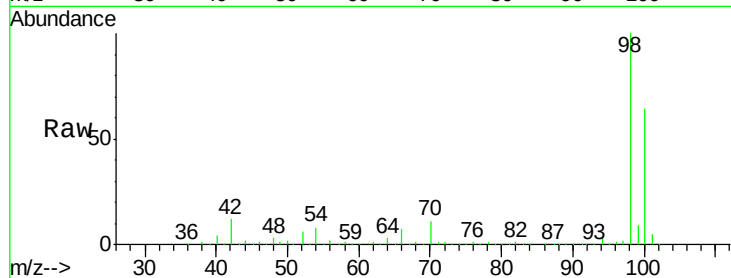




#50
Toluene-d8
Concen: 49.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001019.D
Acq: 20 Apr 2018 19:41

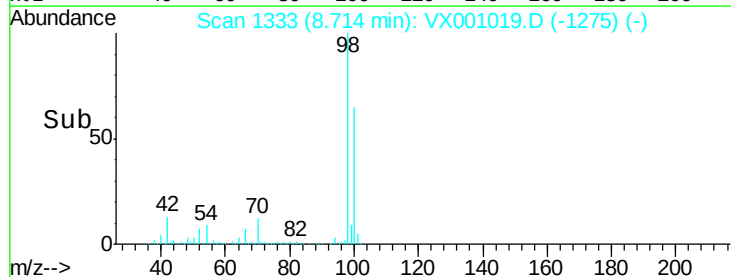
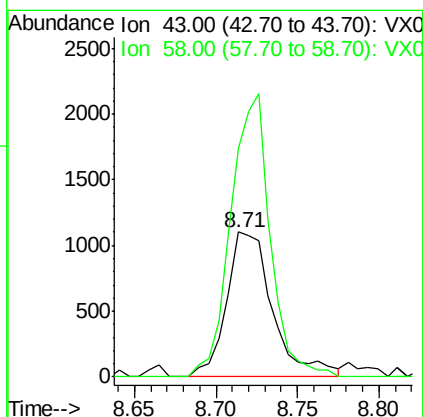
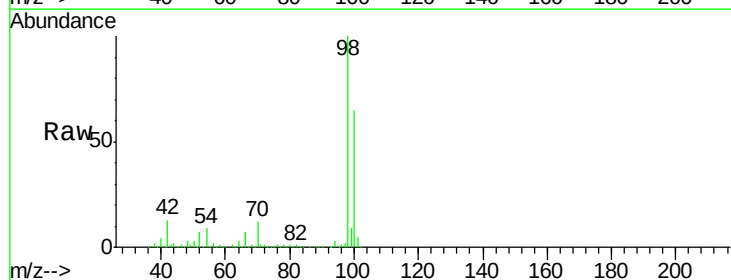
Instrument :
MSVOA_X
ClientSampleId :

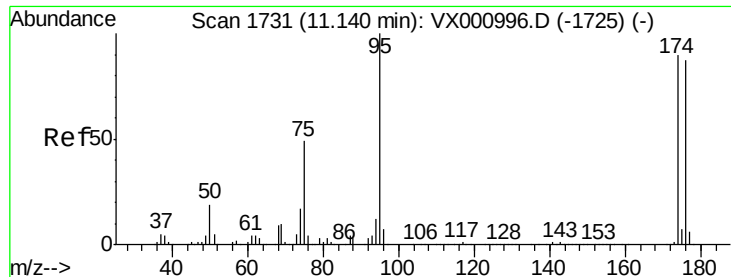
Tot Ion: 98 Resp: 460500
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX001019.D
Acq: 20 Apr 2018 19:41

Tgt Ion: 43 Resp: 2174
Ion Ratio Lower Upper
43 100
58 167.0 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 46.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

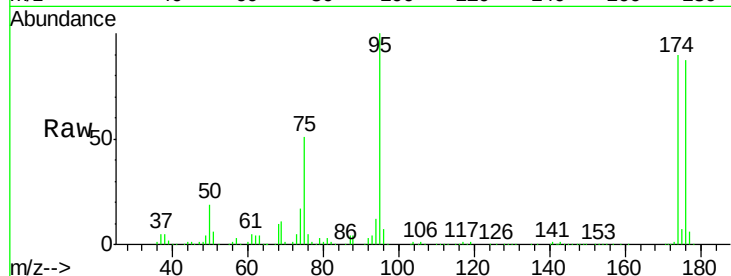
Tot Ion: 95 Resp: 179364

Ion Ratio Lower Upper

95 100

174 96.8 0.0 198.4

176 94.5 0.0 192.0

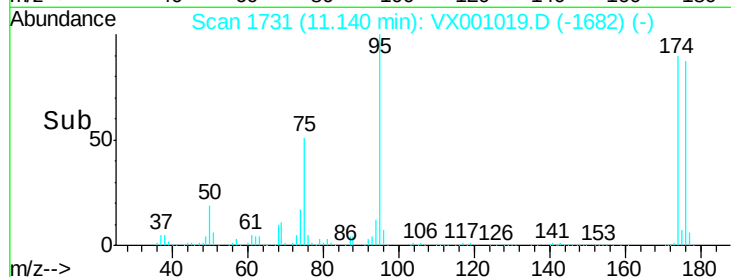


Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)

Time-->

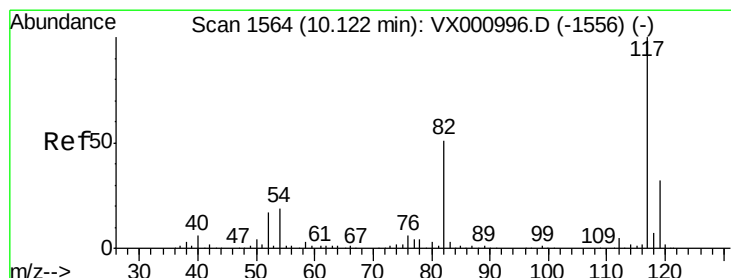


Abundance Ion 94.90 (94.60 to 95.60): VX001019.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001019.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001019.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

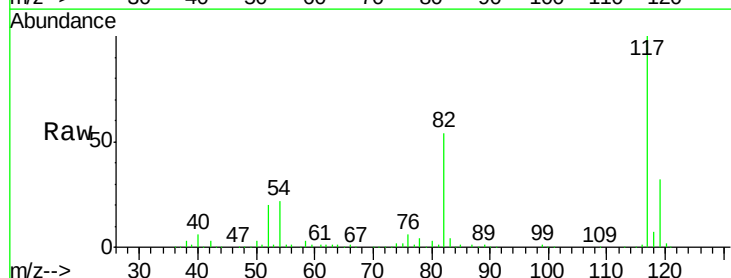
Tgt Ion: 117 Resp: 306387

Ion Ratio Lower Upper

117 100

82 53.9 40.6 60.8

119 31.7 26.0 39.0

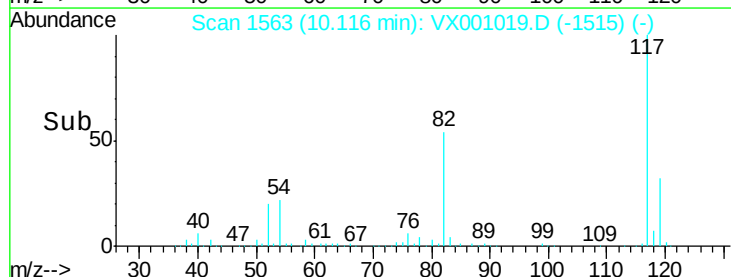


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)

Time-->

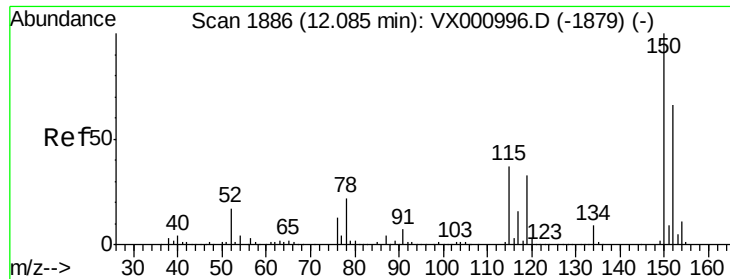


Abundance Ion 116.90 (116.60 to 117.60): VX001019.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001019.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001019.D (-1515) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

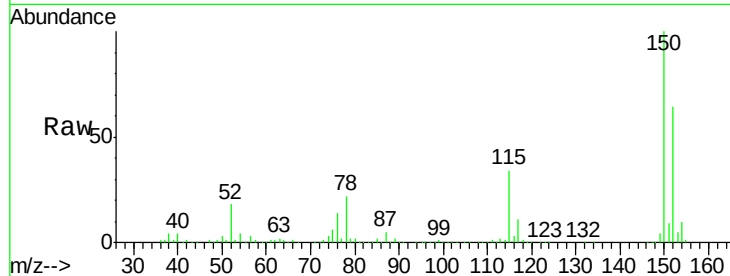
Tot Ion:152 Resp: 201549

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

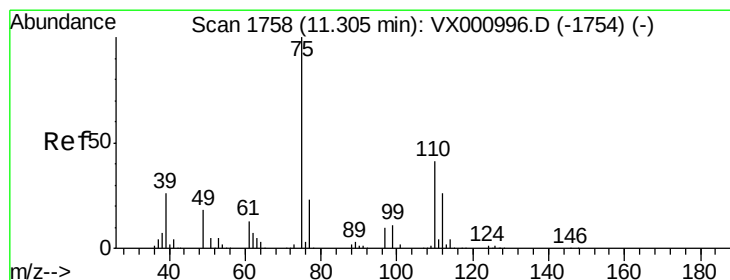
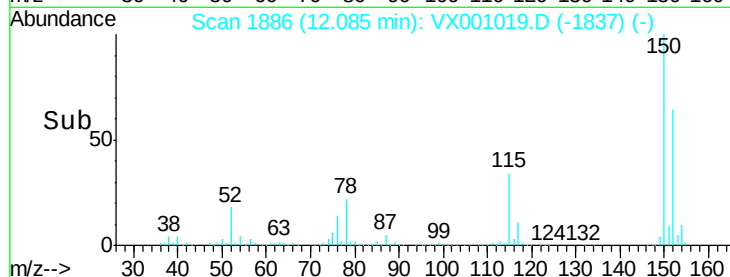
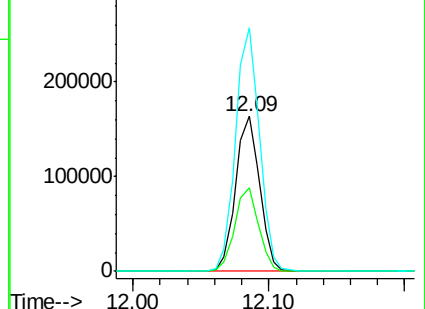
150 155.9 0.0 350.4



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: 25.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001019.D

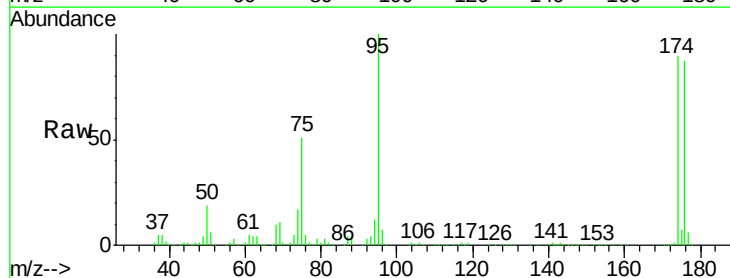
Acq: 20 Apr 2018 19:41

Tgt Ion: 75 Resp: 90900

Ion Ratio Lower Upper

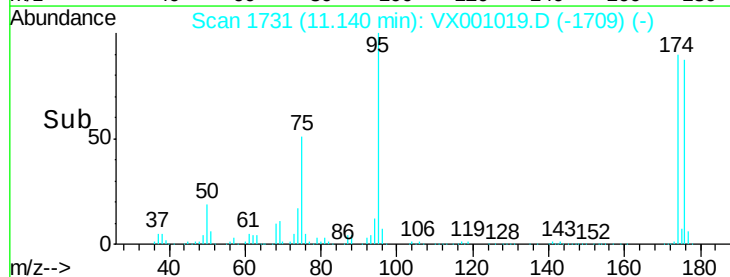
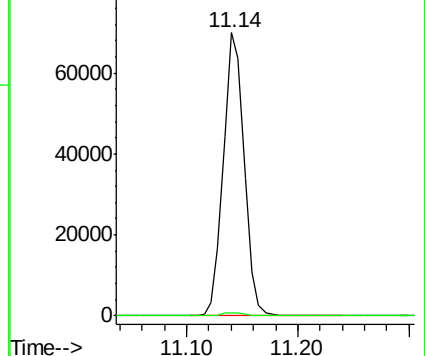
75 100

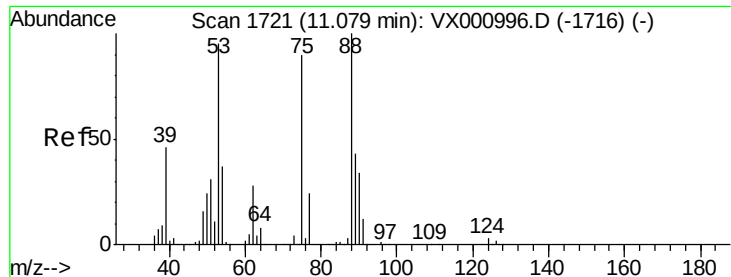
77 1.2 19.6 58.7#



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: 77.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001019.D

Acq: 20 Apr 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

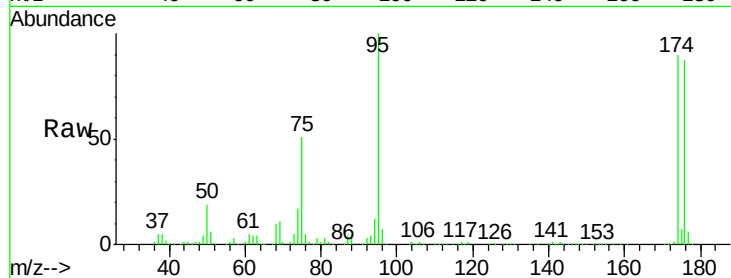
Tot Ion: 75 Resp: 90900

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

