

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001036.D
 Acq On : 21 Apr 2018 03:43
 Operator : JC/MD
 Sample : J2377-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:43:12 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	236963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198991	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	155802	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	5.51	113	118414	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	8.72	98	469090	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	180174	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

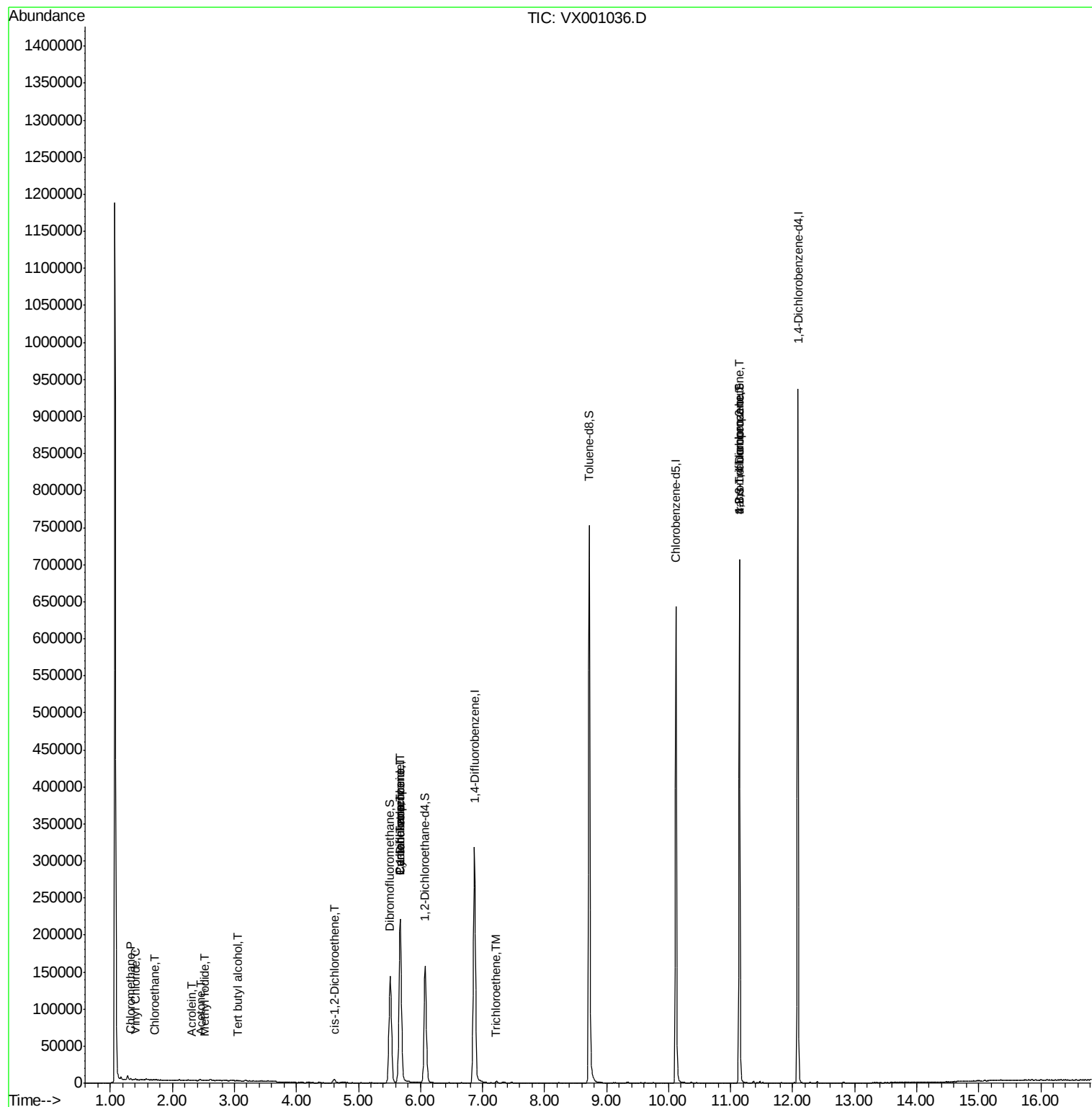
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	941	0.34	ug/l	96
4) Vinyl Chloride	1.41	62	1104	0.39	ug/l #	85
5) Bromomethane	1.63	94	19	Below Cal	#	2
6) Chloroethane	1.72	64	418	0.25	ug/l	97
10) Methyl Iodide	2.52	142	60	7.62	ug/l #	41
11) Tert butyl alcohol	3.06	59	175	0.39	ug/l	99
13) Acrolein	2.30	56	20	11.07	ug/l #	1
16) Acetone	2.45	43	1401	1.24	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	3124	1.09	ug/l	86
31) Cyclohexane	5.67	56	4133	0.98	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	14662	3.75	ug/l #	49
38) Carbon Tetrachloride	5.68	117	20602	5.20	ug/l #	15
44) Trichloroethene	7.22	130	902	0.27	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	89987	26.06	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	89987	78.04	ug/l #	8

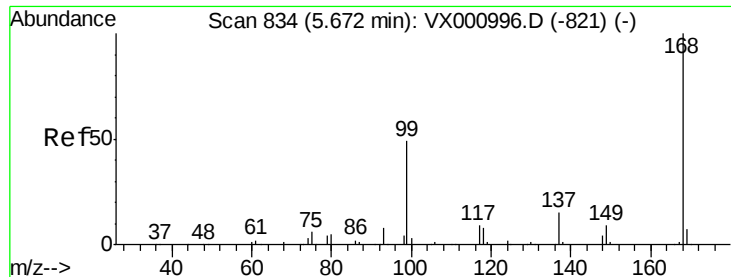
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001036.D

Acq: 21 Apr 2018 03:43

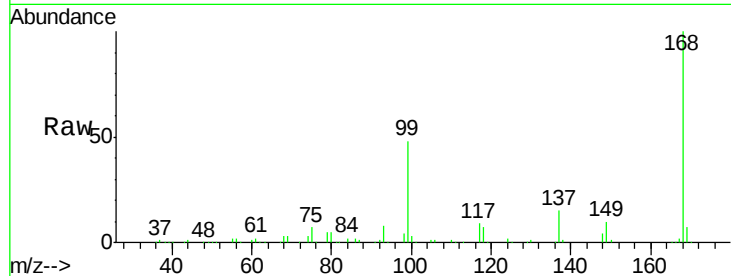
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 236963

Ion Ratio Lower Upper

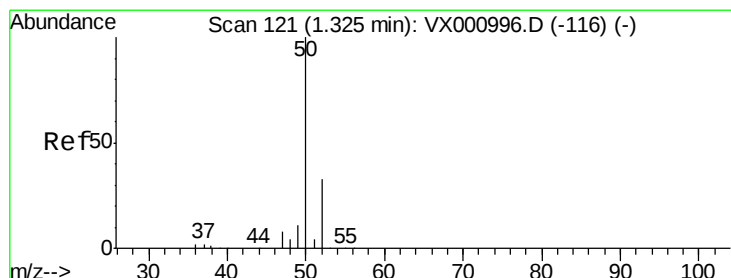
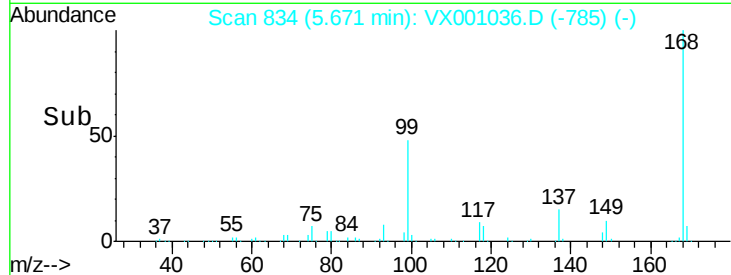
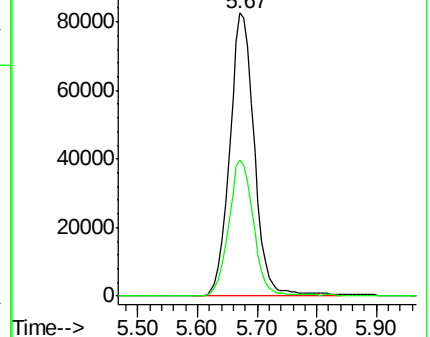
168 100

99 48.3 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: 0.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001036.D

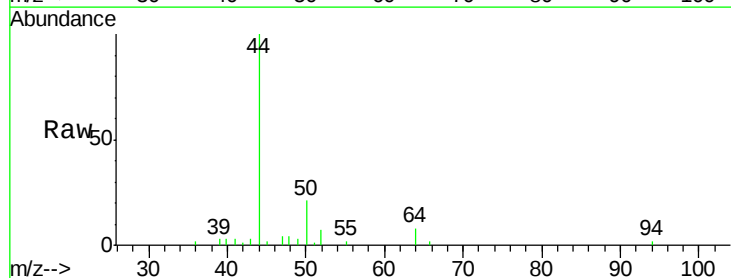
Acq: 21 Apr 2018 03:43

Tgt Ion: 50 Resp: 941

Ion Ratio Lower Upper

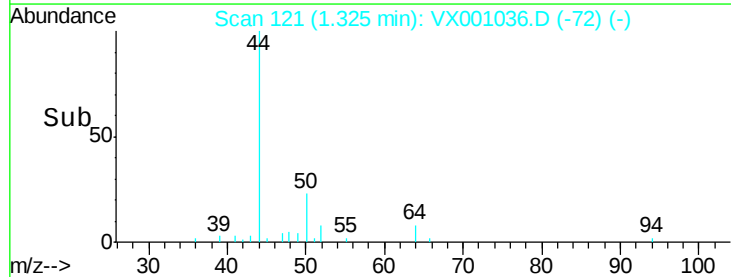
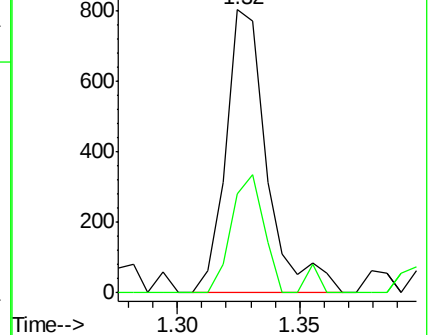
50 100

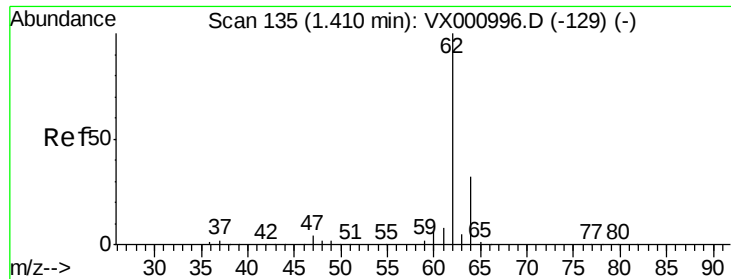
52 35.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.39 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

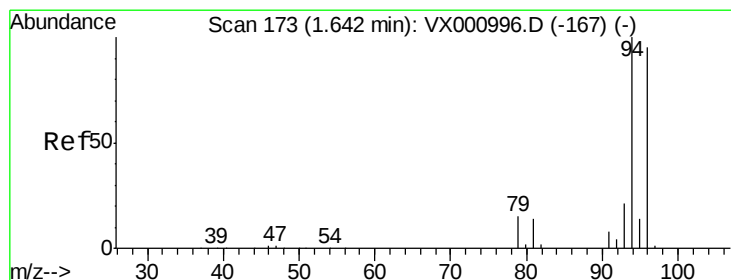
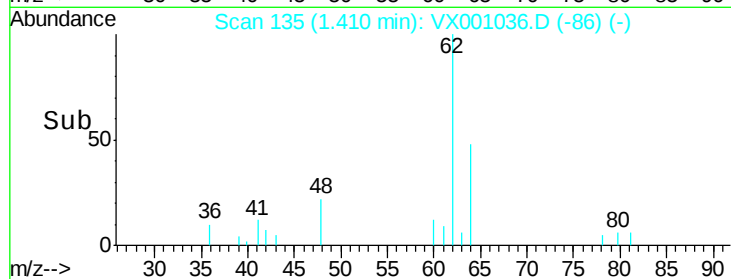
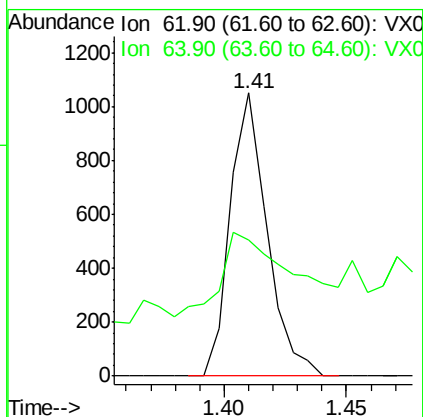
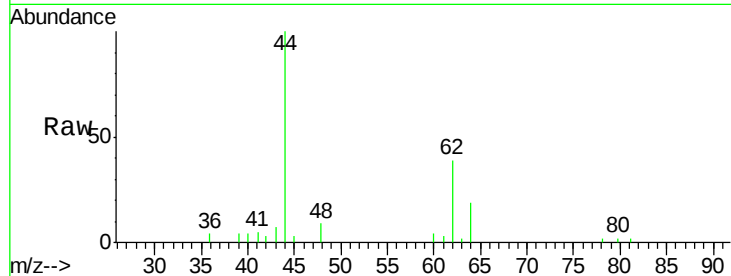
ClientSampled :

Tot Ion: 62 Resp: 1104

Ion Ratio Lower Upper

62 100

64 23.8 25.6 38.4#



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX001036.D

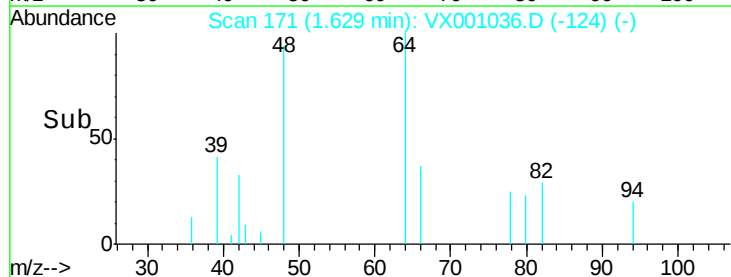
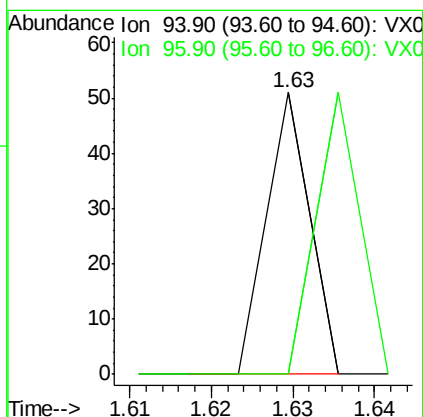
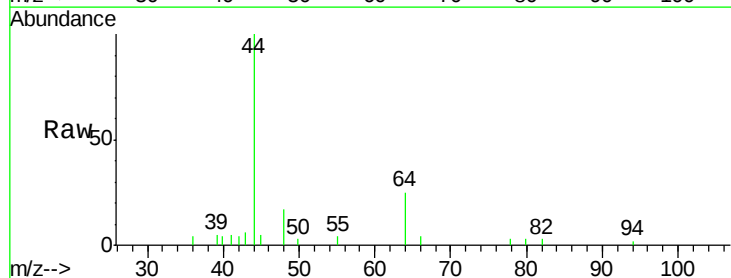
Acq: 21 Apr 2018 03:43

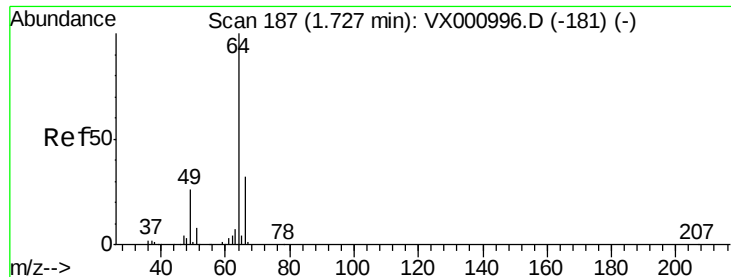
Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#





#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

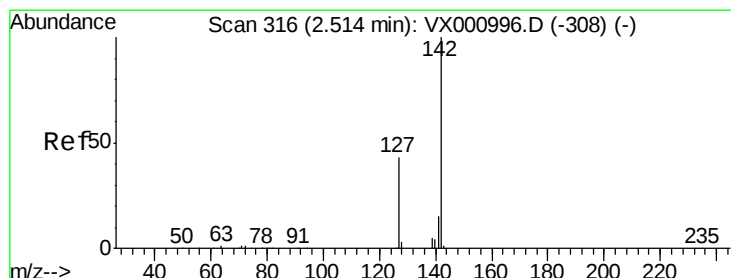
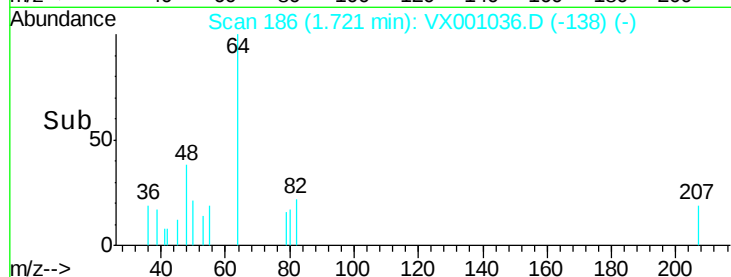
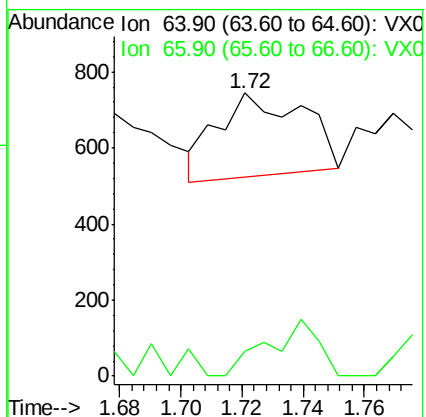
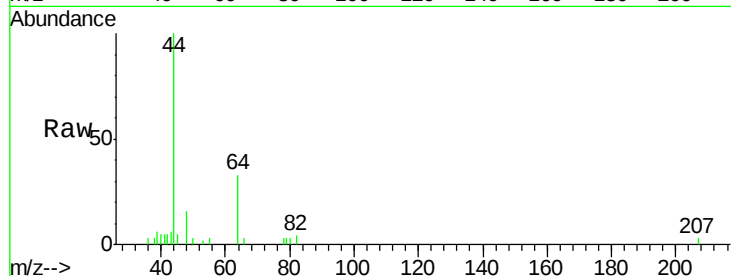
ClientSampleId :

Tot Ion: 64 Resp: 418

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9



#10

Methyl Iodide

Concen: 7.62 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

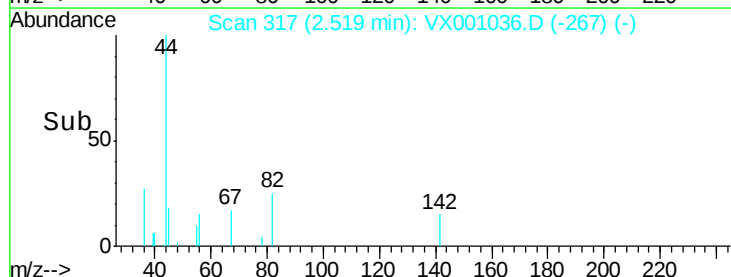
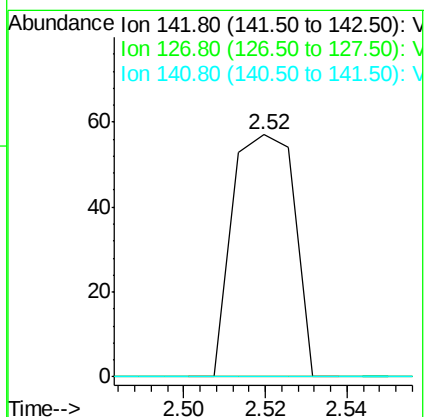
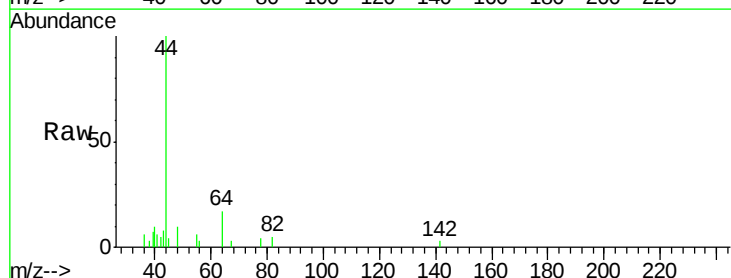
Tgt Ion: 142 Resp: 60

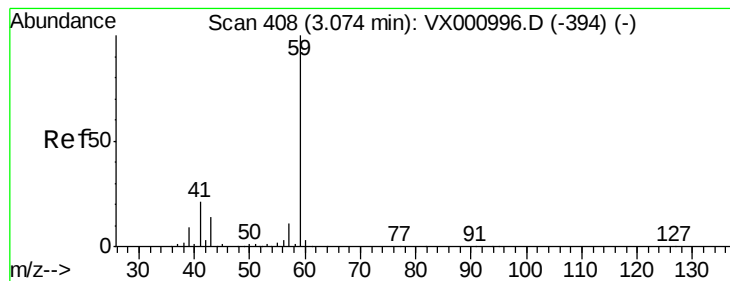
Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#



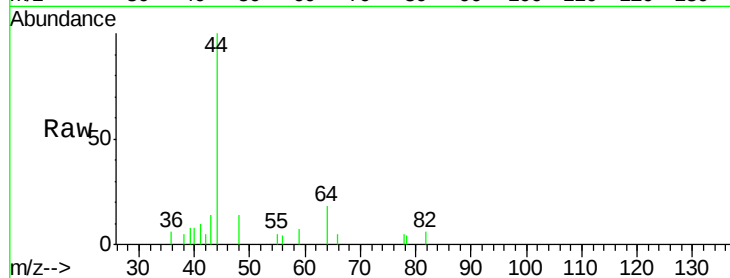


#11

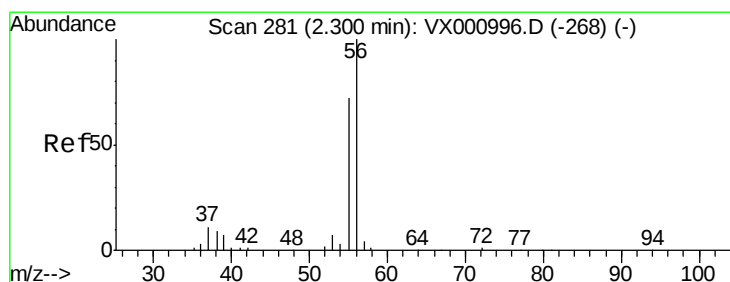
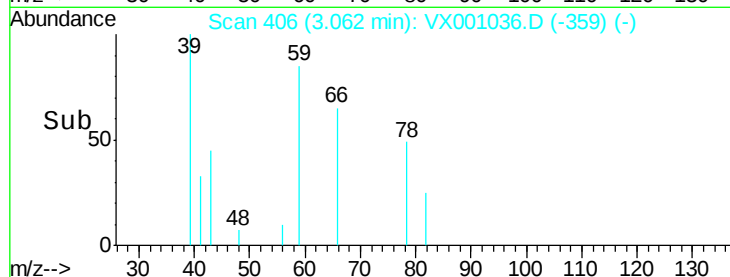
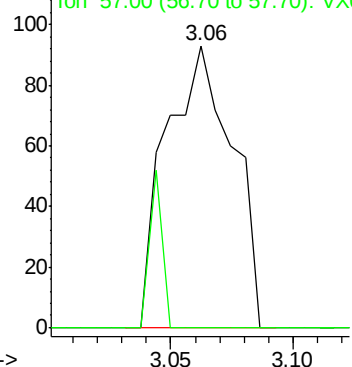
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX001036.D
Acq: 21 Apr 2018 03:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5



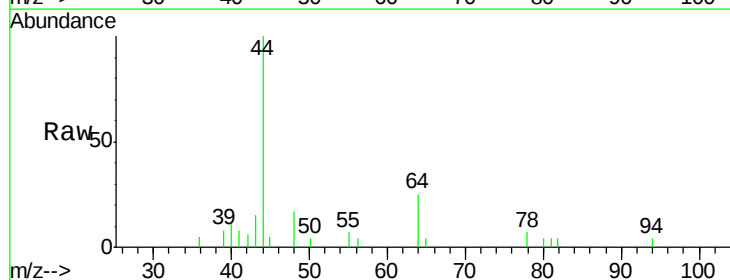
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



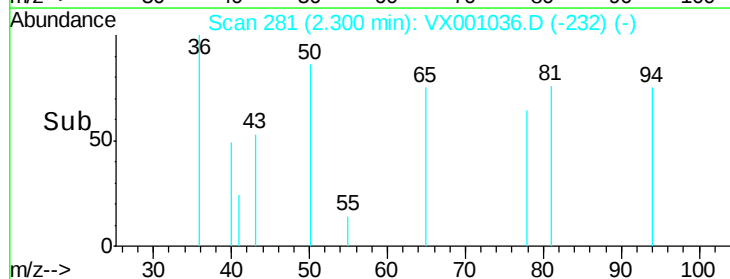
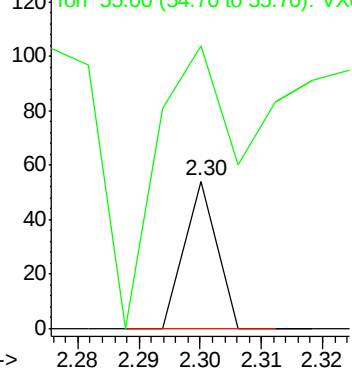
#13

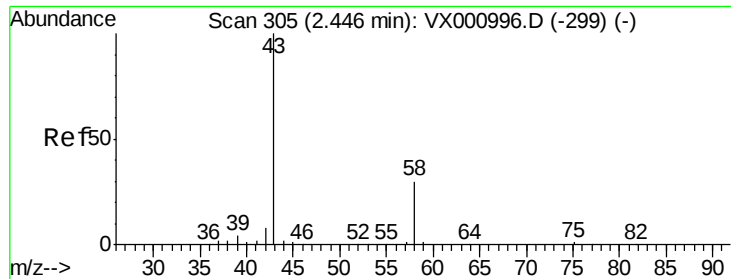
Acrolein
Concen: 11.07 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001036.D
Acq: 21 Apr 2018 03:43

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 450.0 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: 1.24 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

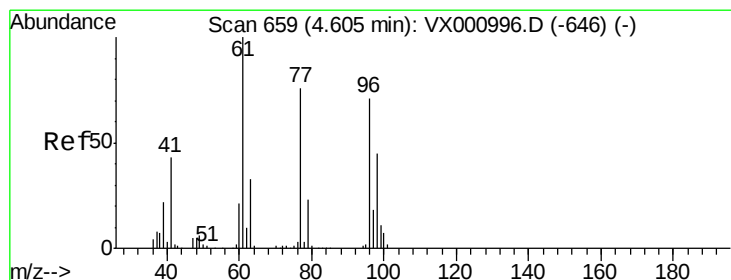
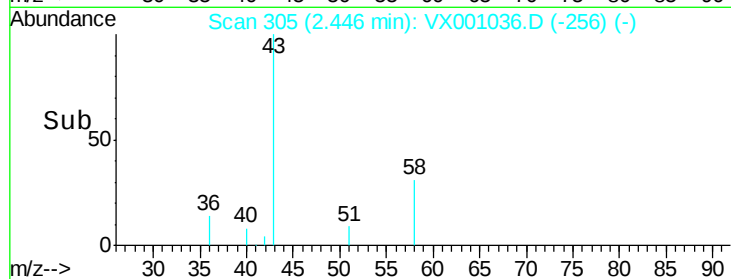
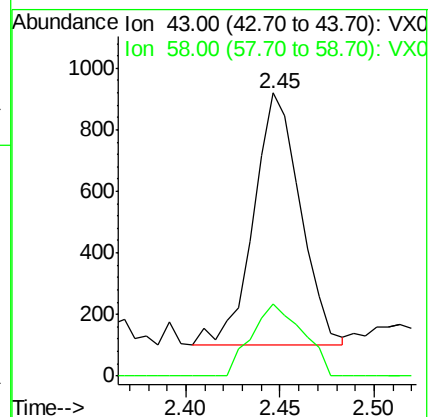
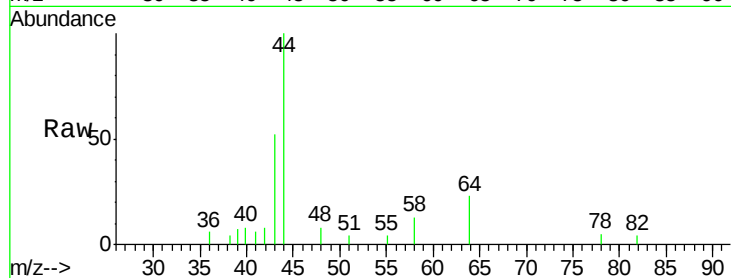
ClientSampled :

Tot Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 28.8 23.7 35.5



#27

cis-1,2-Dichloroethene

Concen: 1.09 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

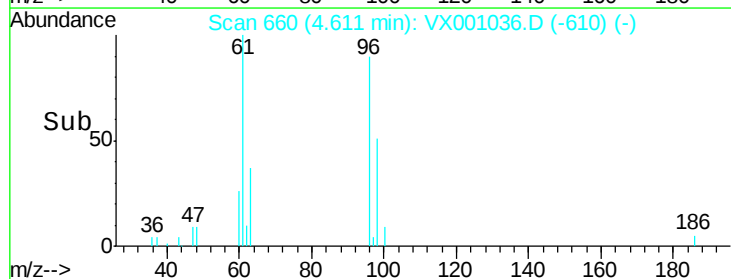
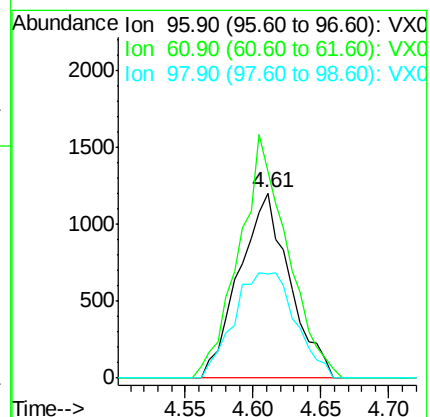
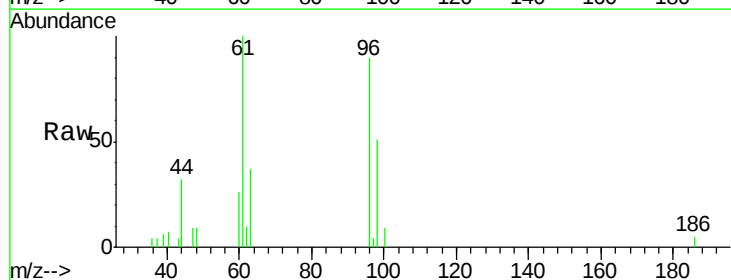
Tgt Ion: 96 Resp: 3124

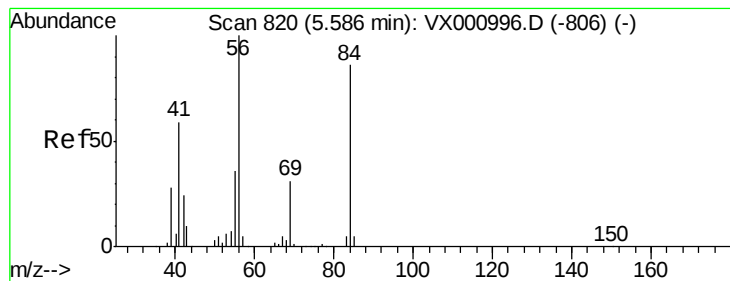
Ion Ratio Lower Upper

96 100

61 125.9 0.0 297.0

98 69.1 0.0 130.0





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :
MSVOA_X
ClientSampleId :

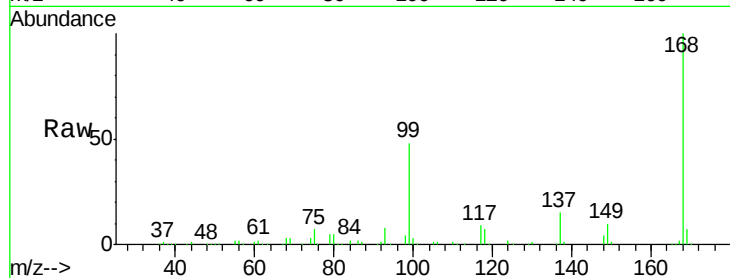
Tot Ion: 56 Resp: 4133

Ion Ratio Lower Upper

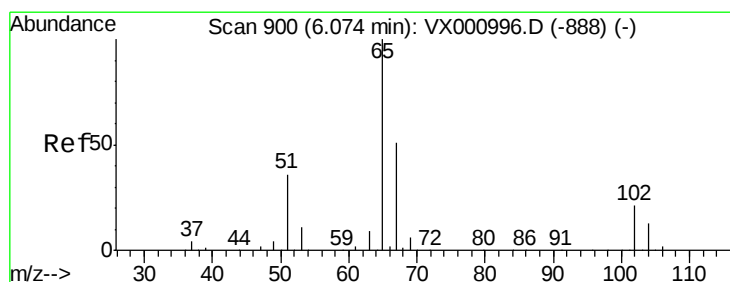
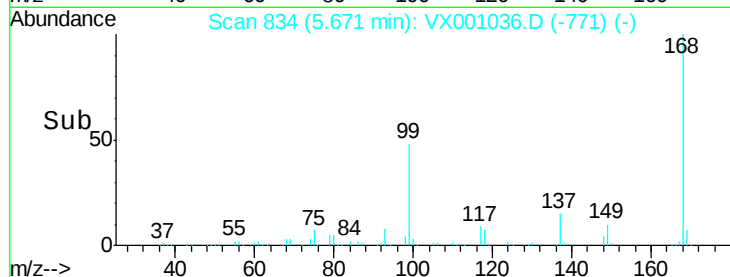
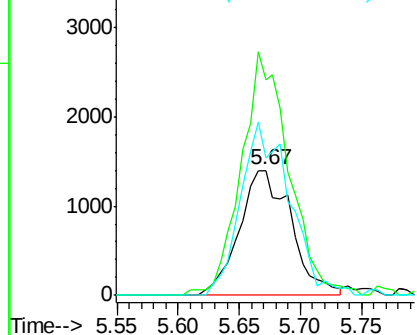
56 100

69 167.5 24.6 36.8#

84 110.5 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: 51.87 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001036.D

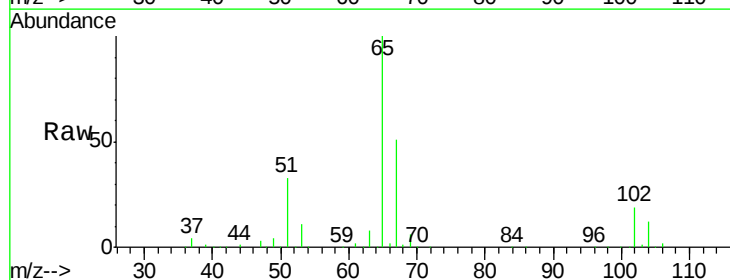
Acq: 21 Apr 2018 03:43

Tgt Ion: 65 Resp: 155802

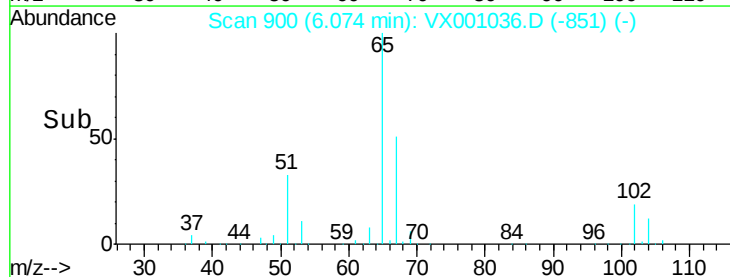
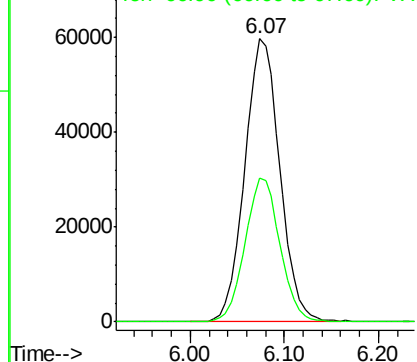
Ion Ratio Lower Upper

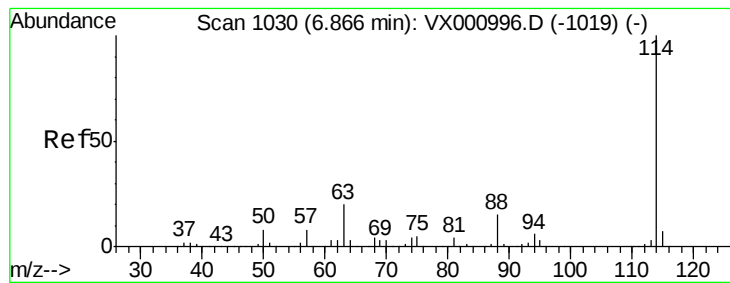
65 100

67 50.8 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: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

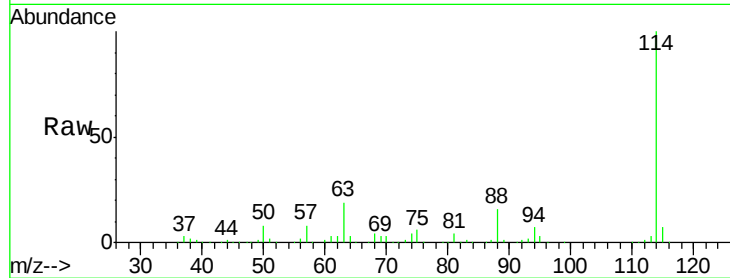
Tot Ion:114 Resp: 332855

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

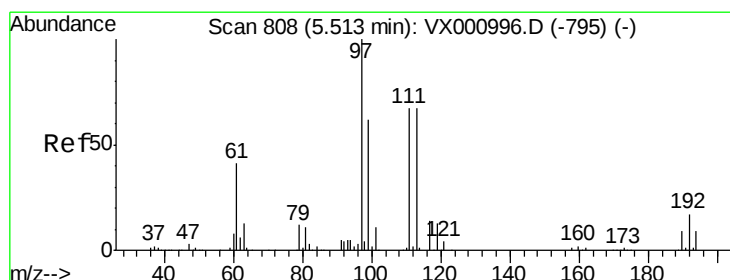
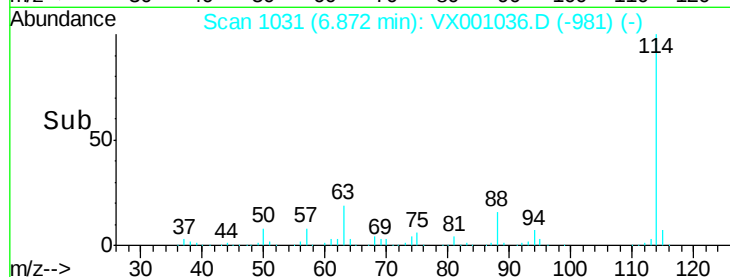
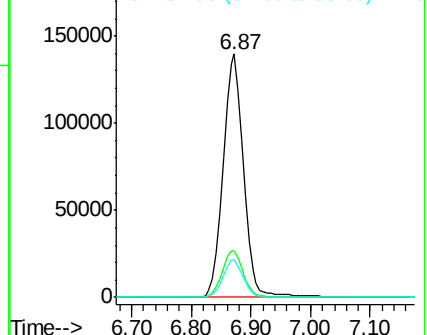
88 15.5 0.0 29.8



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: 46.65 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

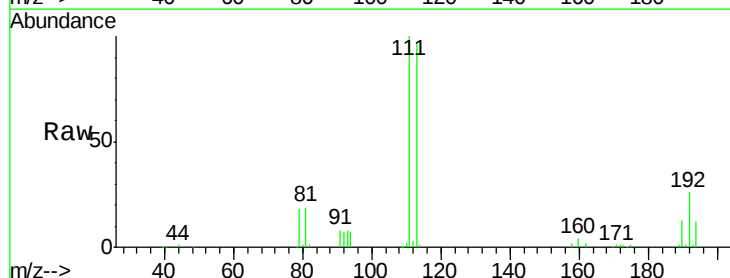
Tgt Ion:113 Resp: 118414

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

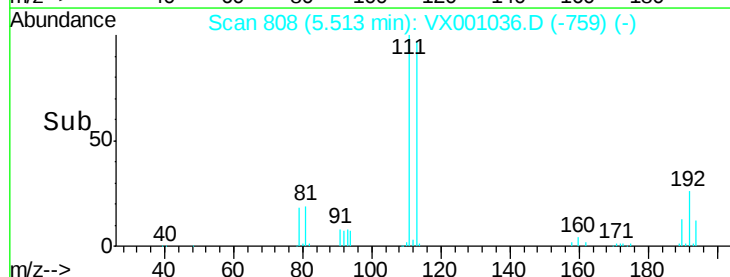
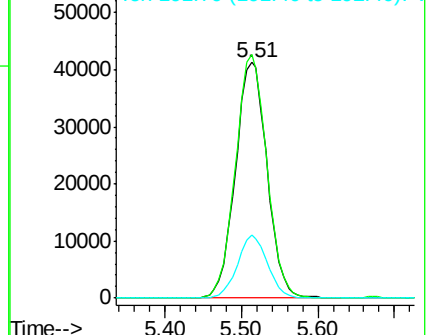
192 25.5 20.4 30.6

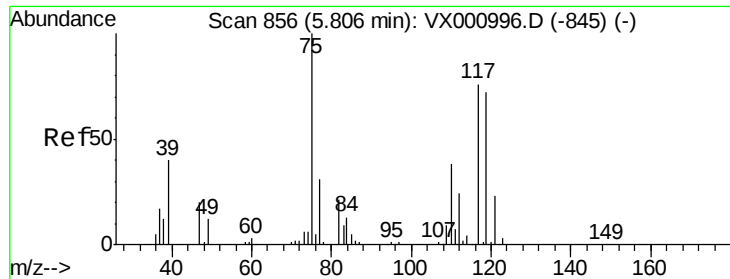


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

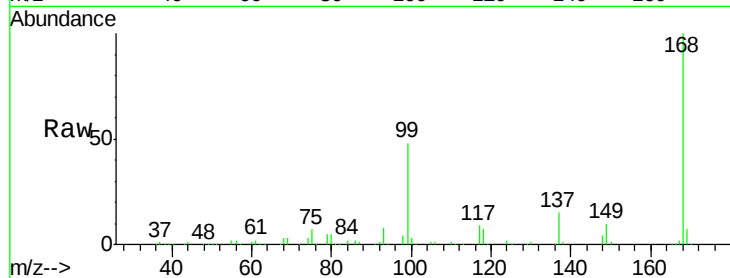




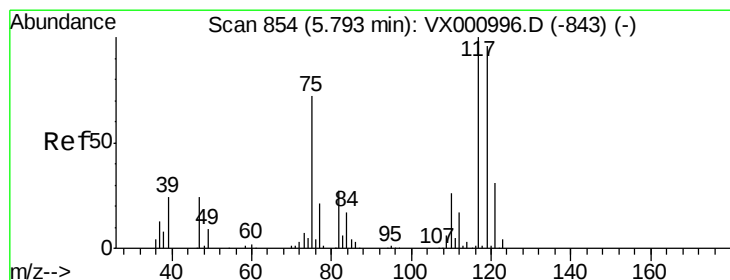
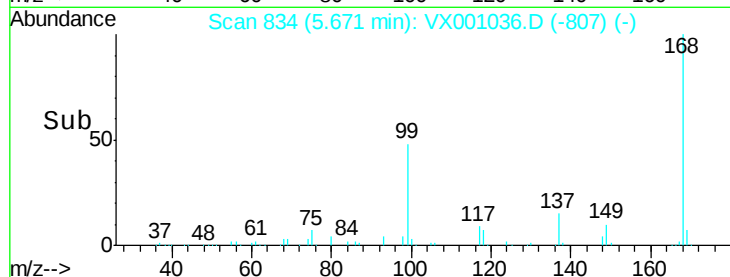
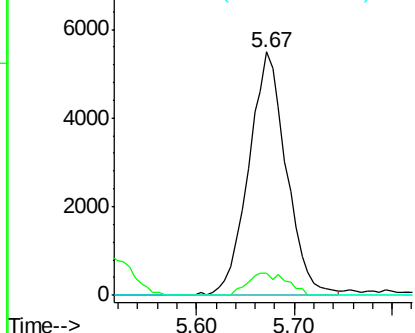
#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001036.D
 Acq: 21 Apr 2018 03:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 14662
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.7 56.1#
 77 0.0 25.0 37.4#

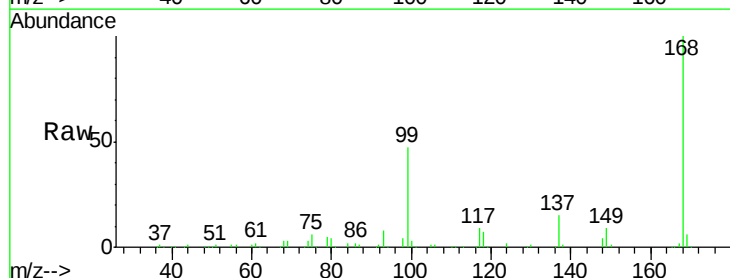


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

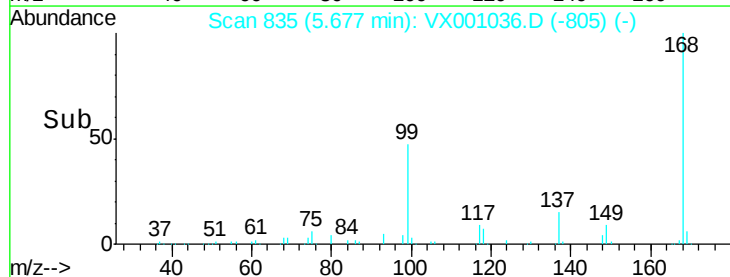
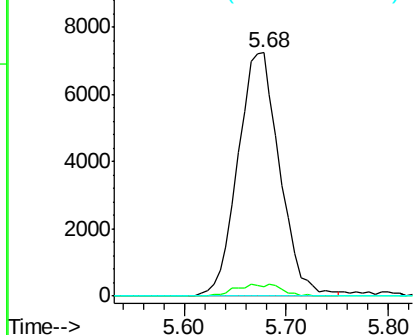


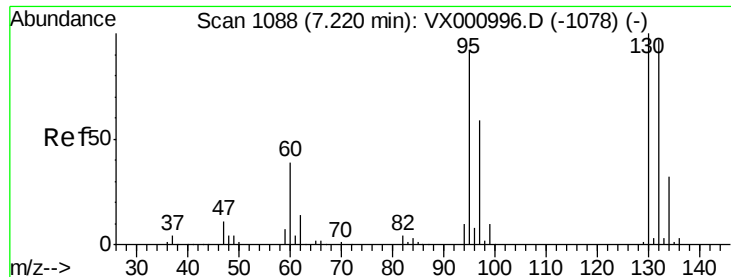
#38
 Carbon Tetrachloride
 Concen: 5.20 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX001036.D
 Acq: 21 Apr 2018 03:43

Tgt Ion: 117 Resp: 20602
 Ion Ratio Lower Upper
 117 100
 119 3.9 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





#44

Trichloroethene

Concen: 0.27 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

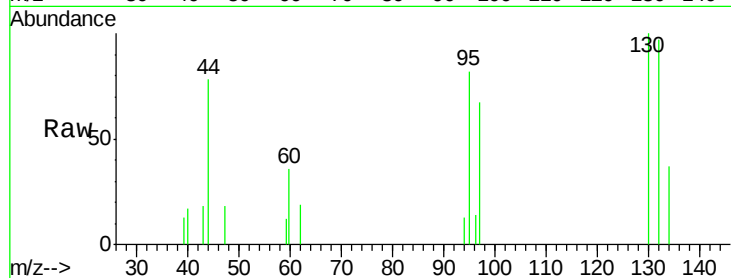
ClientSampleId :

Tot Ion:130 Resp: 902

Ion Ratio Lower Upper

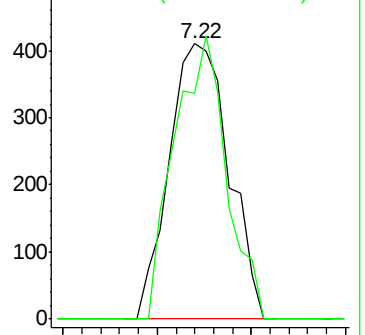
130 100

95 82.0 0.0 184.2

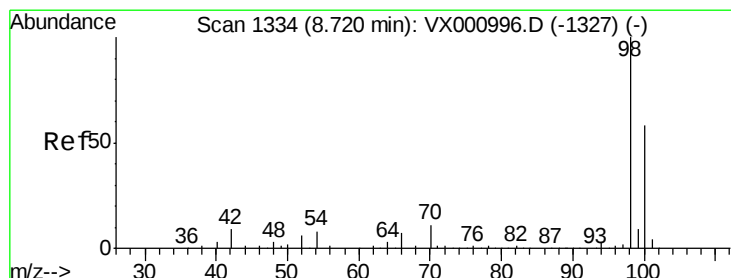
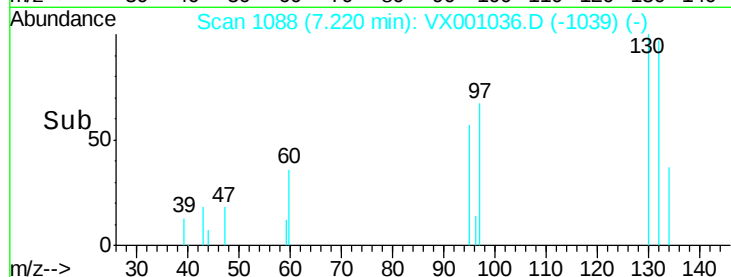


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time--> 7.15 7.20 7.25



#50

Toluene-d8

Concen: 49.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001036.D

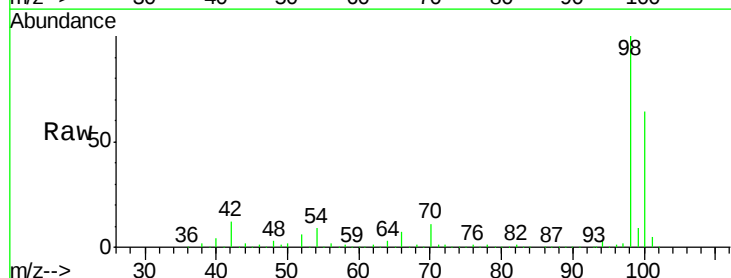
Acq: 21 Apr 2018 03:43

Tgt Ion: 98 Resp: 469090

Ion Ratio Lower Upper

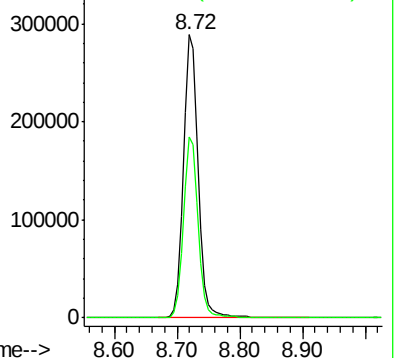
98 100

100 63.9 51.9 77.9

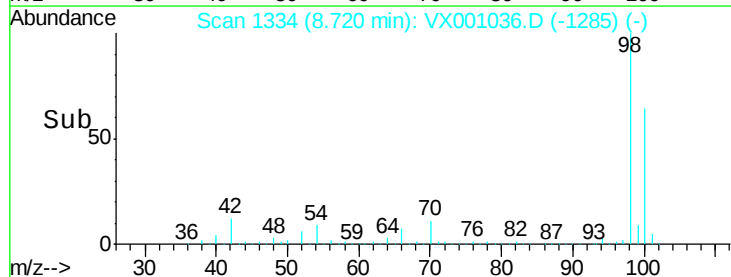


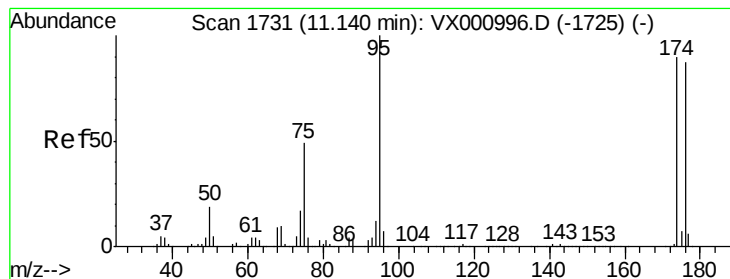
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 45.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

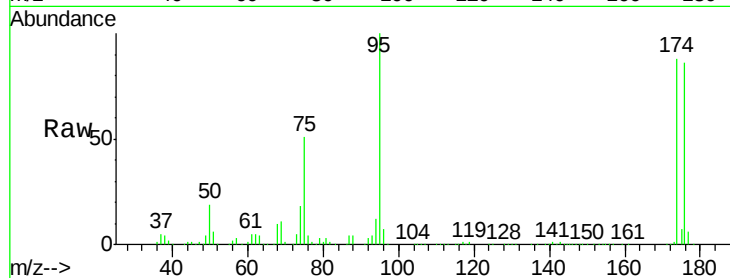
Tot Ion: 95 Resp: 180174

Ion Ratio Lower Upper

95 100

174 97.2 0.0 198.4

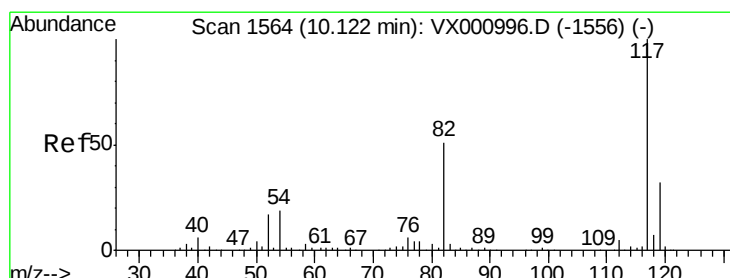
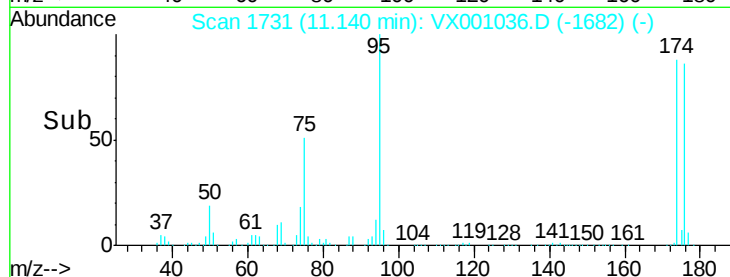
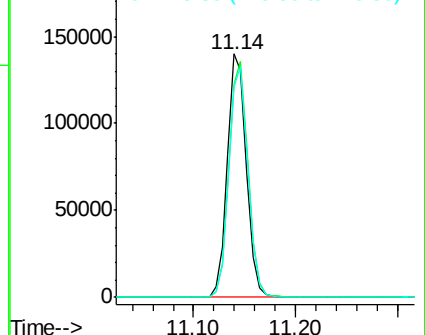
176 95.0 0.0 192.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

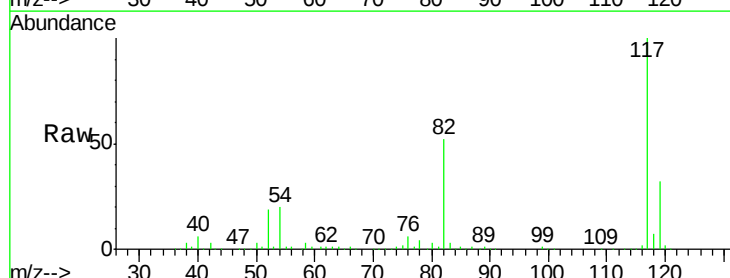
Tgt Ion: 117 Resp: 309768

Ion Ratio Lower Upper

117 100

82 51.7 40.6 60.8

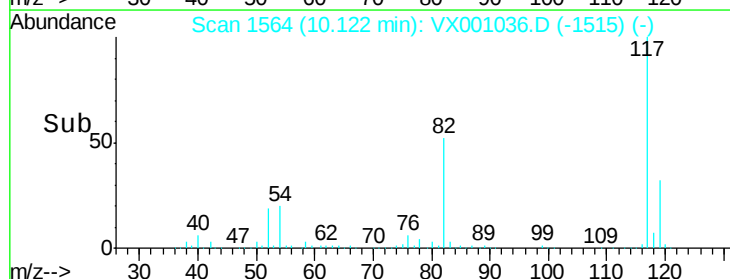
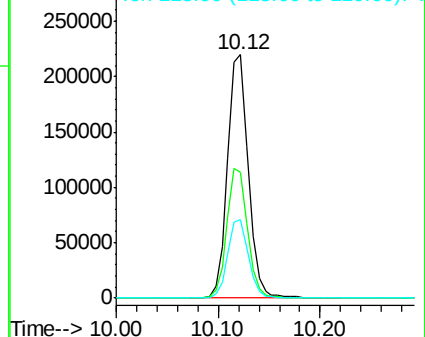
119 32.3 26.0 39.0

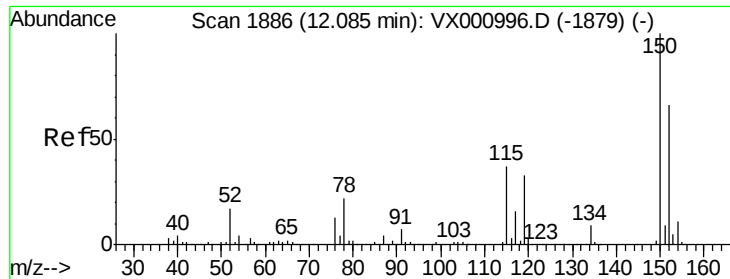


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

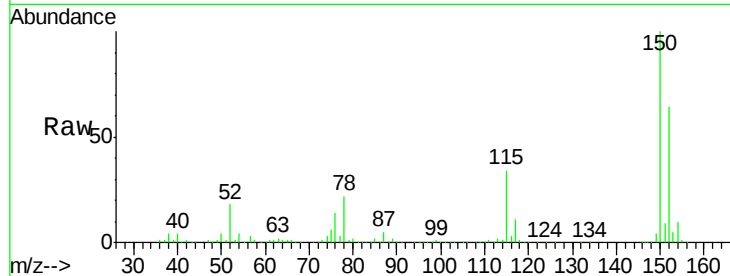
Tot Ion:152 Resp: 198991

Ion Ratio Lower Upper

152 100

115 53.9 38.2 114.6

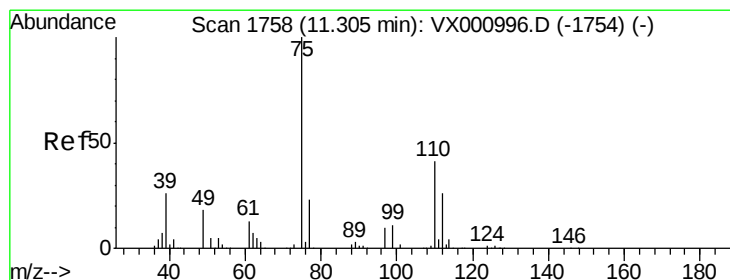
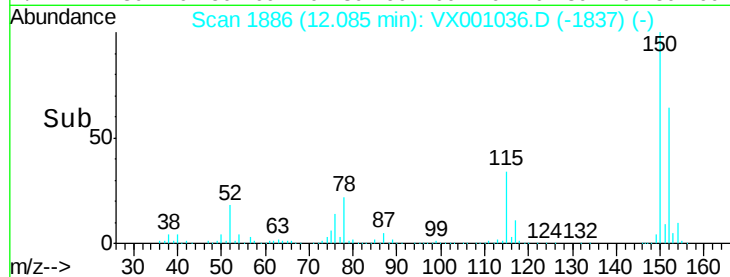
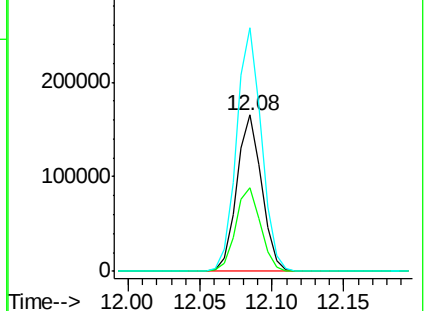
150 156.0 0.0 350.4



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: 26.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001036.D

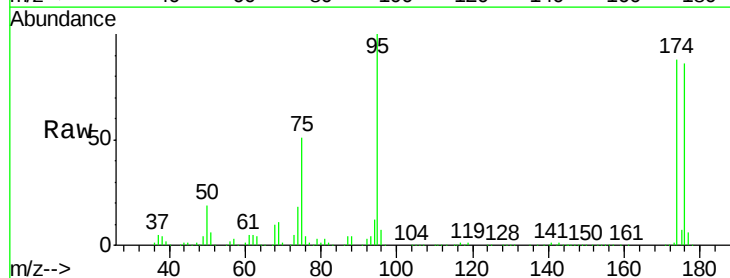
Acq: 21 Apr 2018 03:43

Tgt Ion: 75 Resp: 89987

Ion Ratio Lower Upper

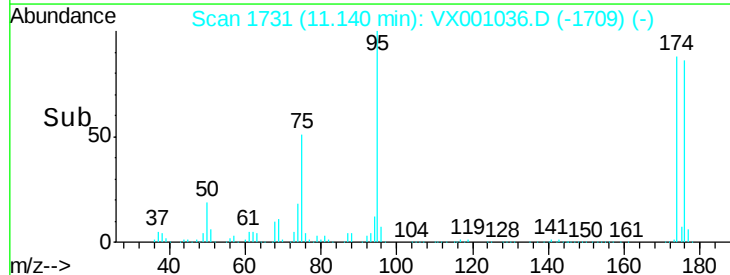
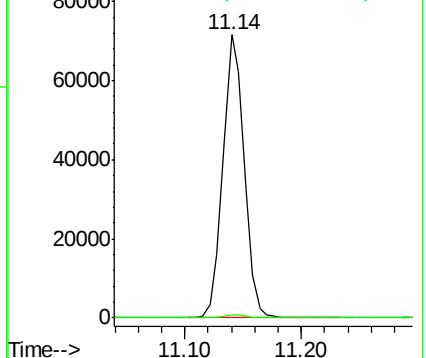
75 100

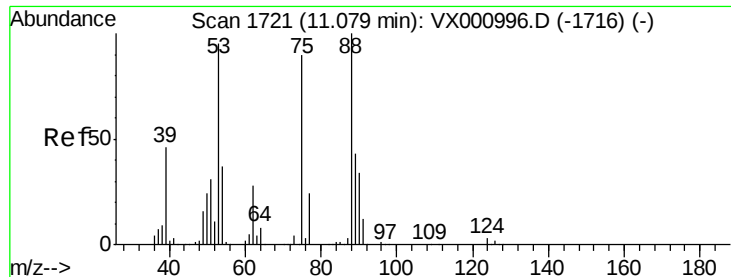
77 1.2 19.6 58.7#



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: 78.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001036.D

Acq: 21 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

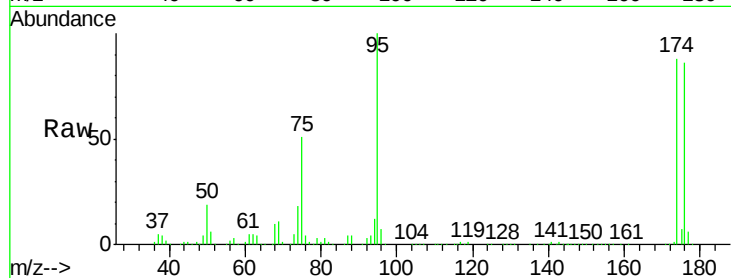
Tot Ion: 75 Resp: 89987

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.1 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

