

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000979.D
 Acq On : 17 Apr 2018 21:31
 Operator : JC/MD
 Sample : PB108300ZHE#10 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 04:02:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200728	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	156933	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	5.51	113	121747	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
50) Toluene-d8	8.72	98	485559	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.14	95	183681	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

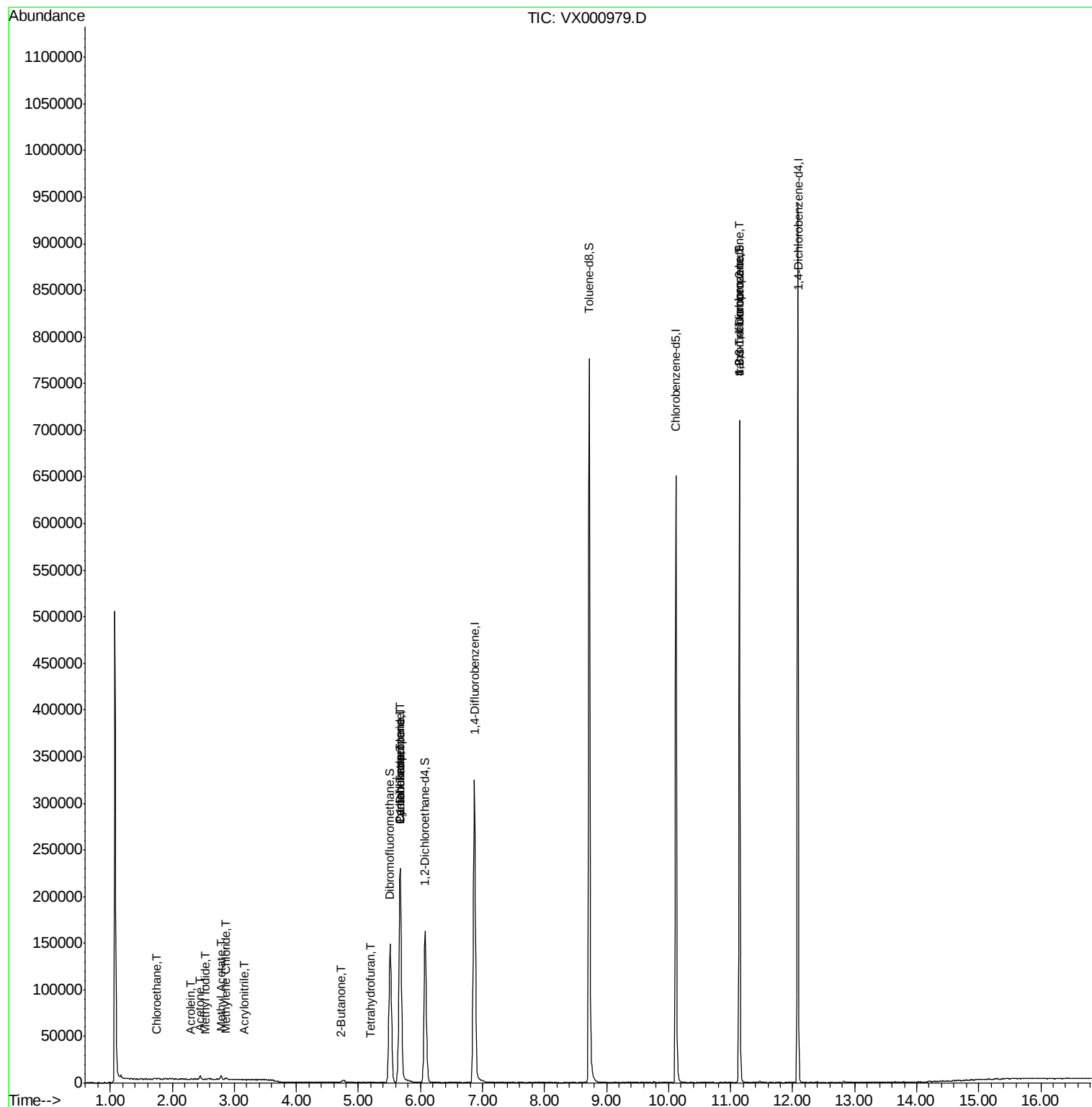
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	39	Below Cal	#	2
6) Chloroethane	1.74	64	514	0.313	ug/l #	43
10) Methyl Iodide	2.53	142	49	8.252	ug/l #	42
13) Acrolein	2.29	56	107	0.395	ug/l #	13
15) Acrylonitrile	3.15	53	265	0.223	ug/l #	49
16) Acetone	2.45	43	3649	3.368	ug/l	92
18) Methyl Acetate	2.78	43	4792	1.709	ug/l	93
20) Methylene Chloride	2.87	84	948	0.376	ug/l	90
25) 2-Butanone	4.71	43	1552	0.868	ug/l #	50
29) Tetrahydrofuran	5.19	42	574	0.505	ug/l #	53
31) Cyclohexane	5.67	56	4377	1.057	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	15406	4.044	ug/l #	48
38) Carbon Tetrachloride	5.68	117	21180	4.967	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	90639	26.183	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	90639	72.024	ug/l #	11

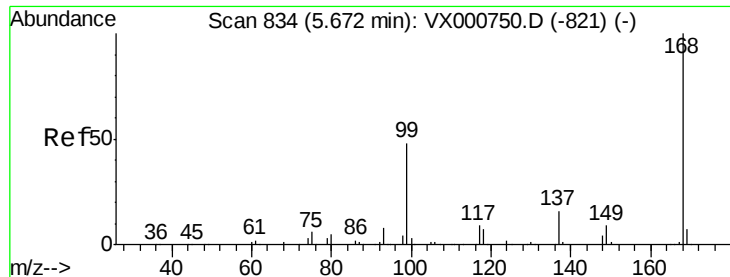
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

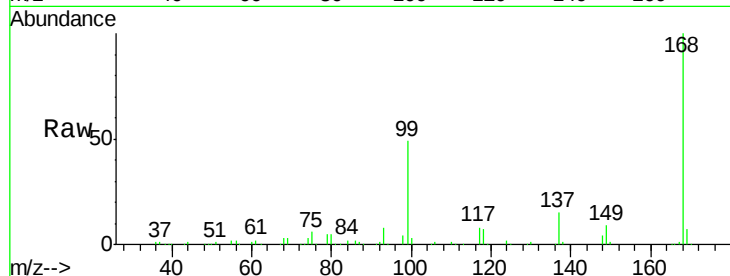
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 249142

Ion Ratio Lower Upper

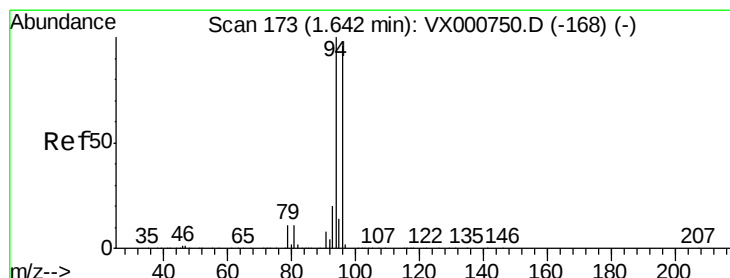
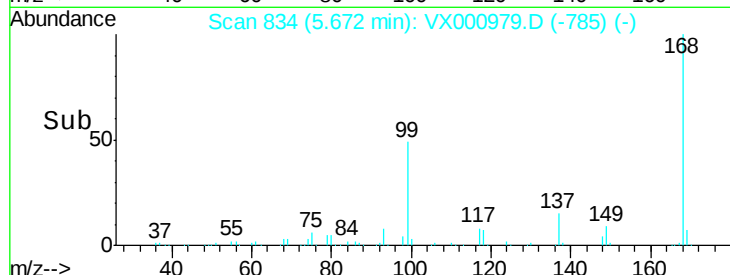
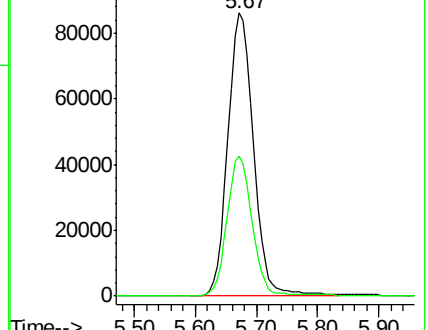
168 100

99 49.3 38.3 57.5



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: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000979.D

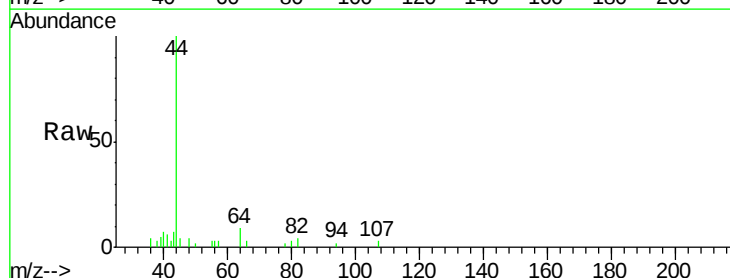
Acq: 17 Apr 2018 21:31

Tgt Ion: 94 Resp: 39

Ion Ratio Lower Upper

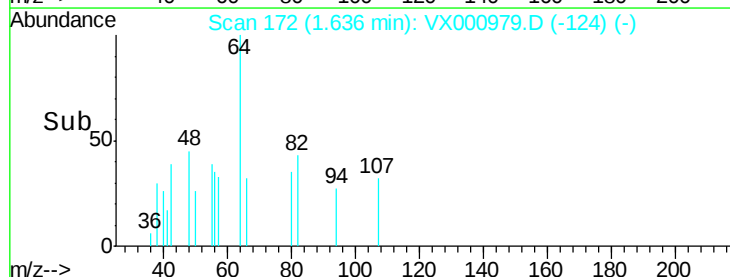
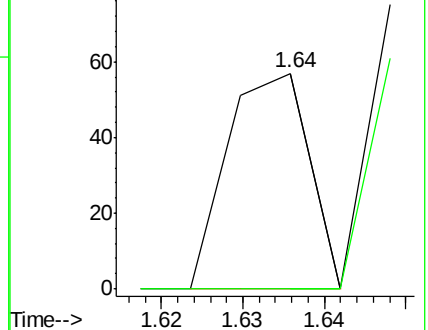
94 100

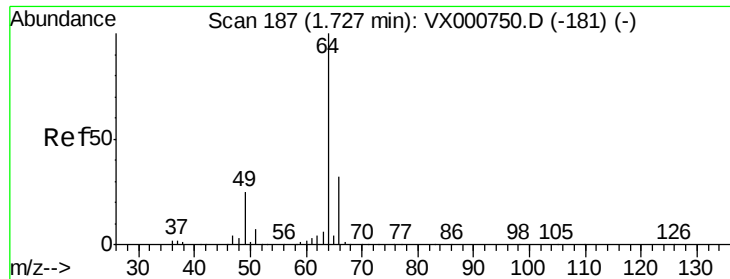
96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.313 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

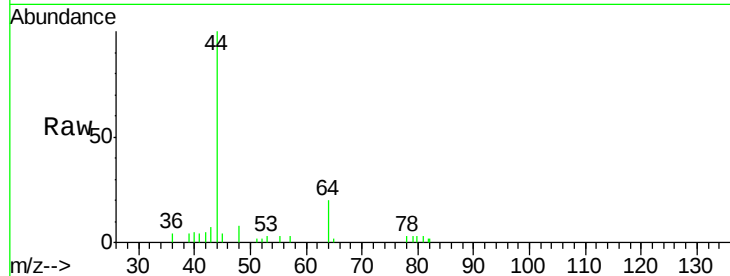
ClientSampled :

Tot Ion: 64 Resp: 514

Ion Ratio Lower Upper

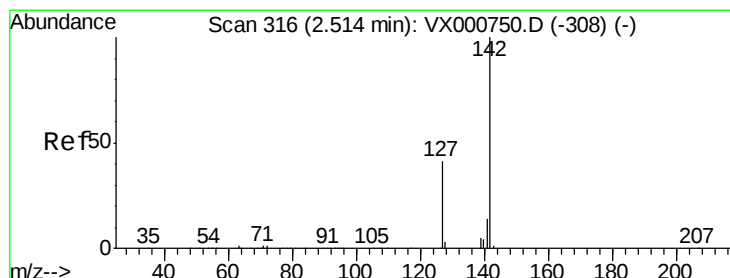
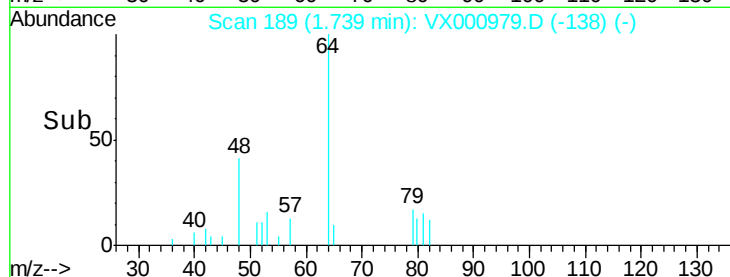
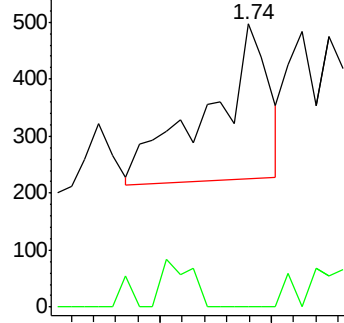
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.252 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

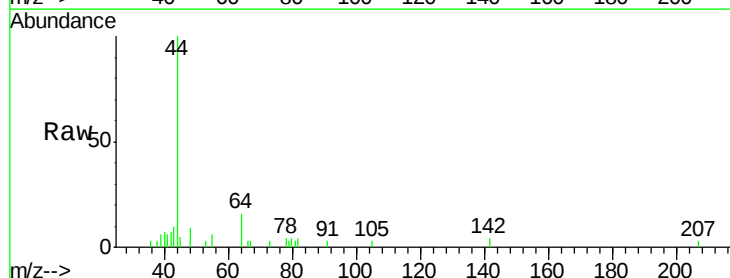
Tgt Ion: 142 Resp: 49

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

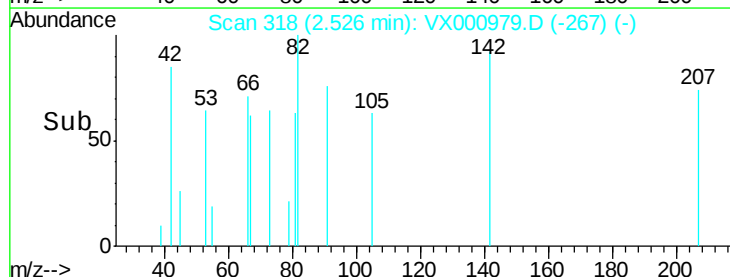
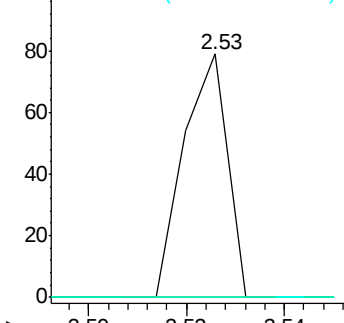
141 0.0 11.5 17.3#

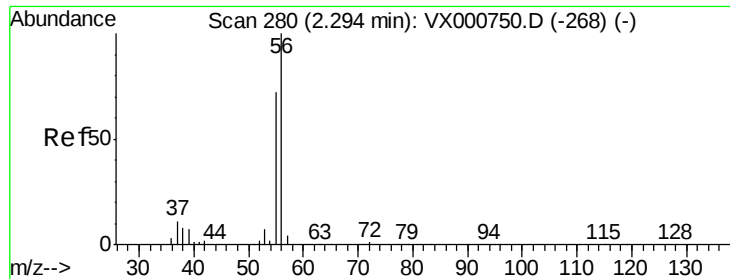


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.395 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

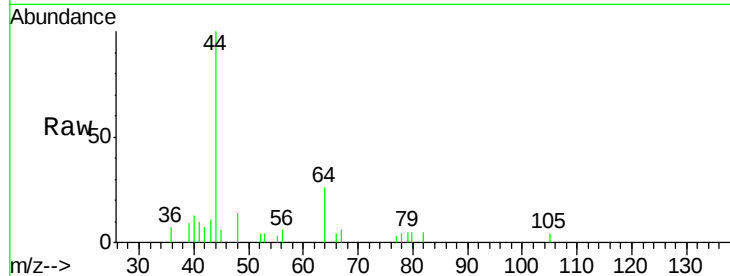
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 107

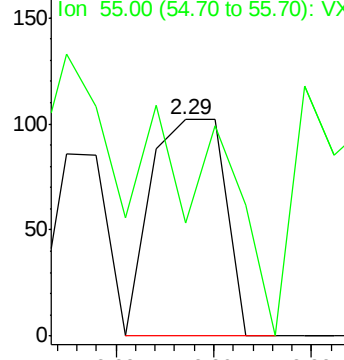
Ion Ratio Lower Upper

56 100

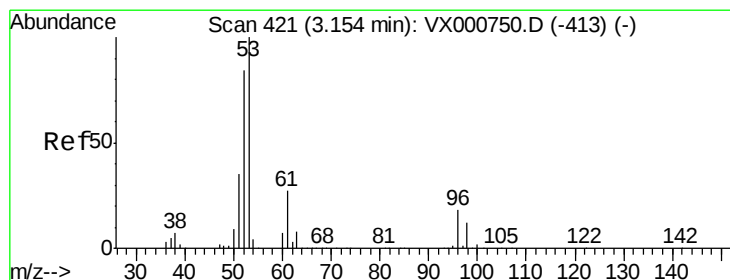
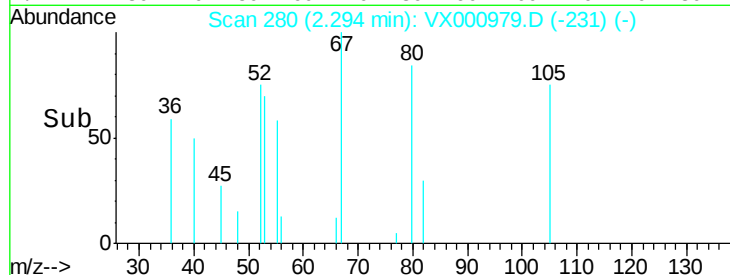
55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

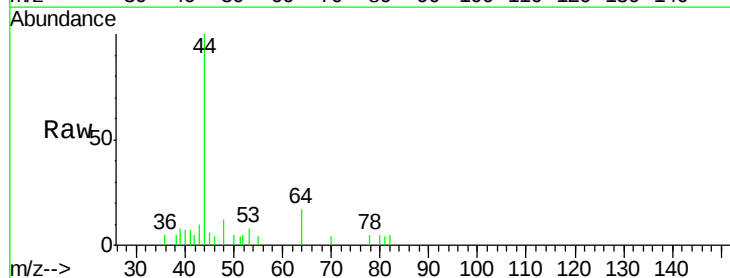
Tgt Ion: 53 Resp: 265

Ion Ratio Lower Upper

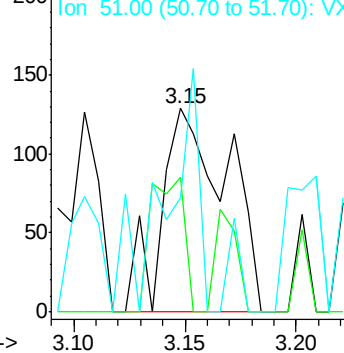
53 100

52 33.2 66.5 99.7#

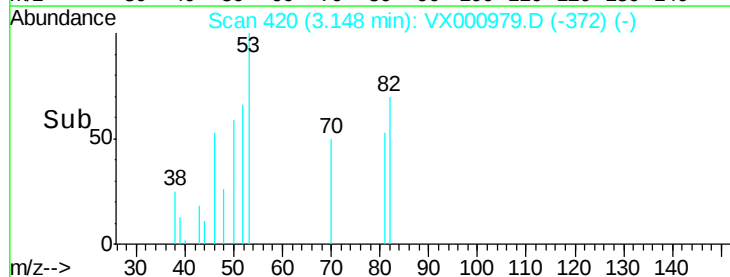
51 60.8 28.8 43.2#

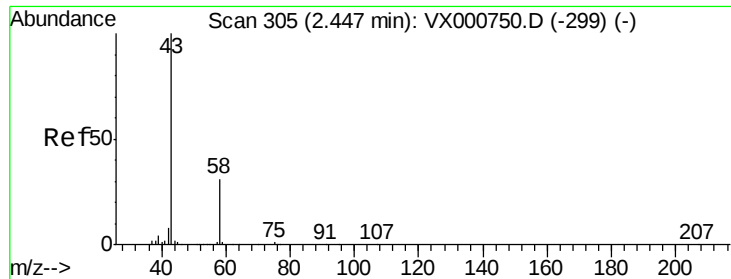


Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 3.368 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

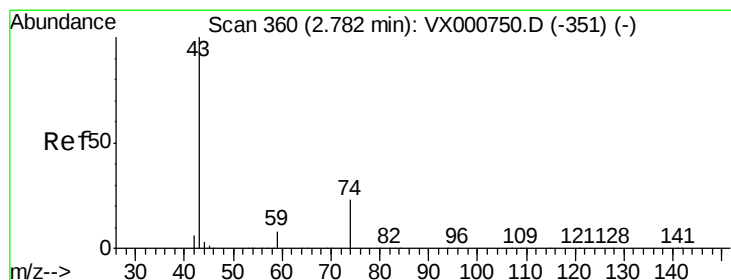
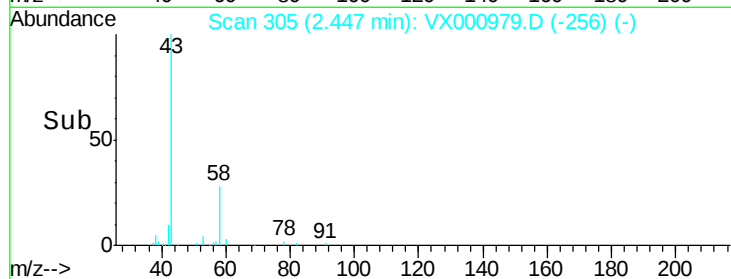
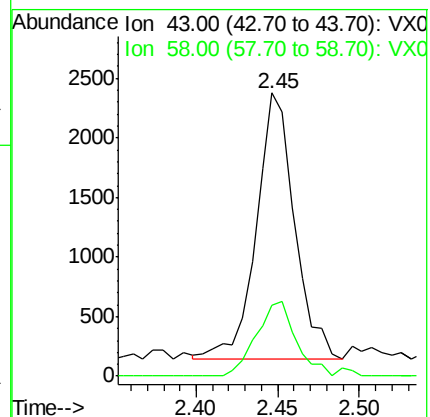
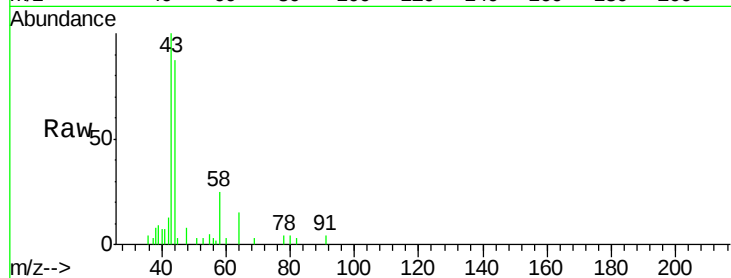
ClientSampleId :

Tot Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

58 26.6 24.6 37.0



#18

Methyl Acetate

Concen: 1.709 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000979.D

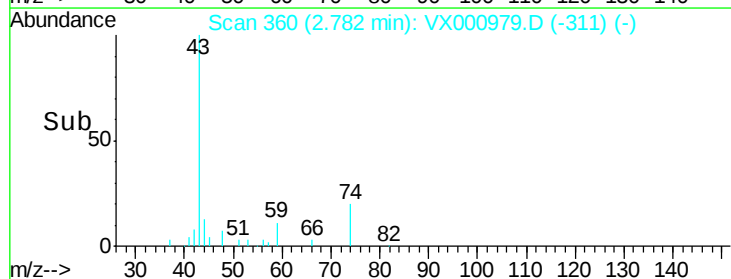
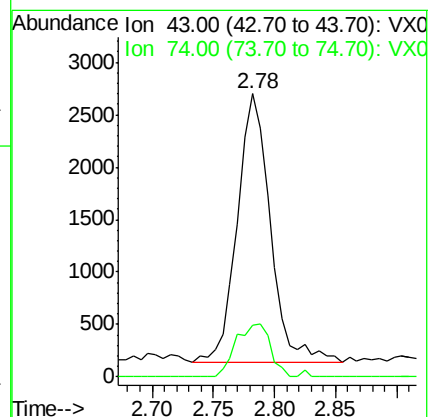
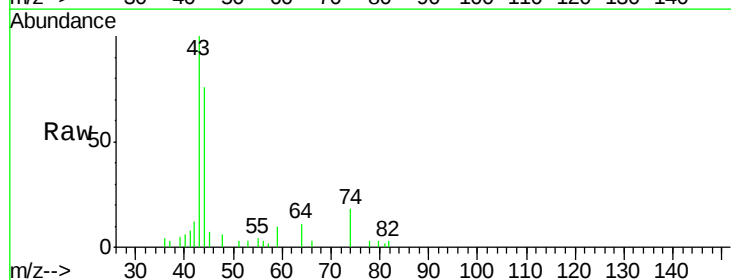
Acq: 17 Apr 2018 21:31

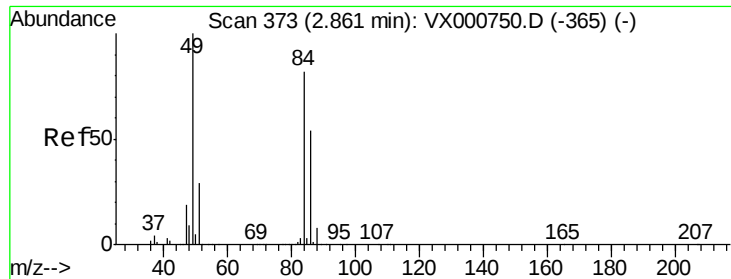
Tgt Ion: 43 Resp: 4792

Ion Ratio Lower Upper

43 100

74 20.5 19.1 28.7





#20

Methylene Chloride

Concen: 0.376 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 948

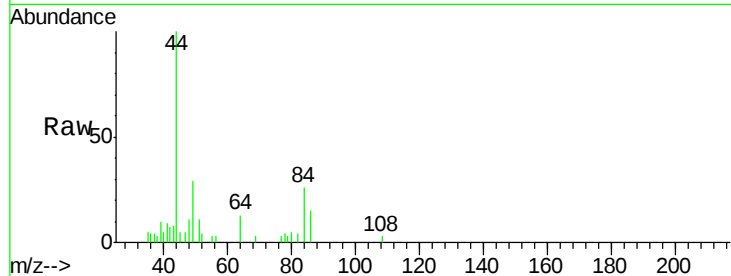
Ion Ratio Lower Upper

84 100

49 110.8 98.1 147.1

51 42.4 28.9 43.3

86 58.6 52.7 79.1

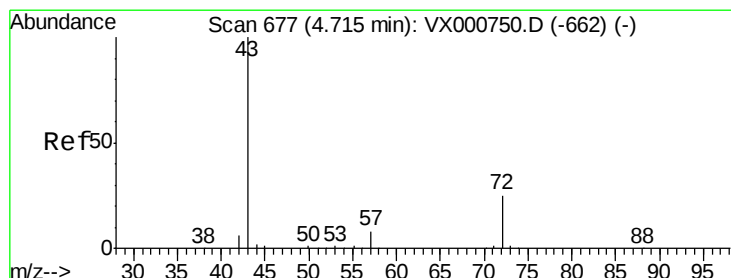
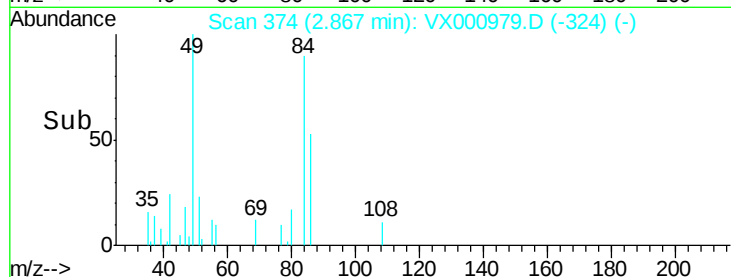
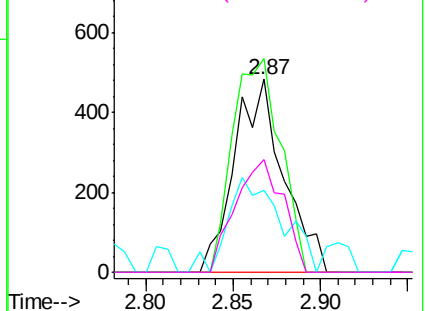


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.868 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000979.D

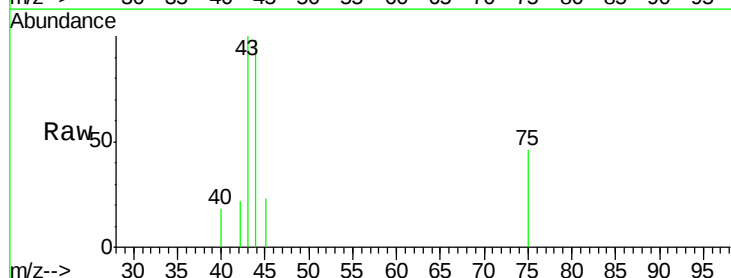
Acq: 17 Apr 2018 21:31

Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

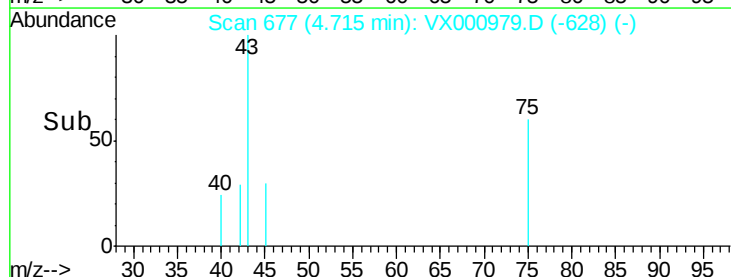
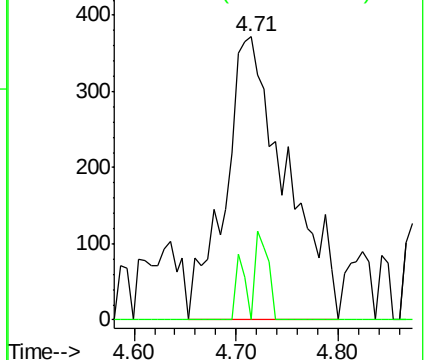
43 100

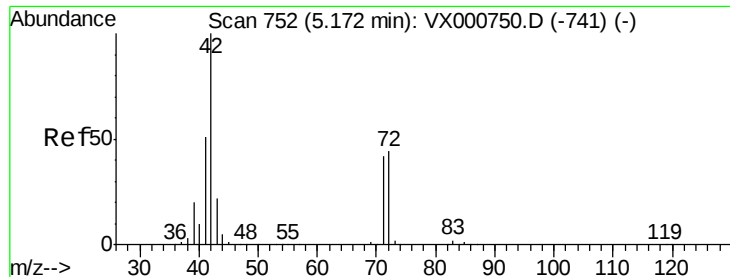
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

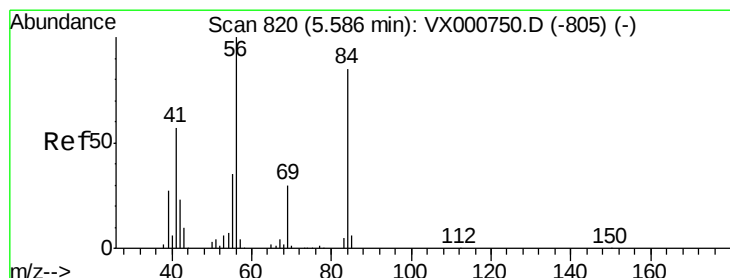
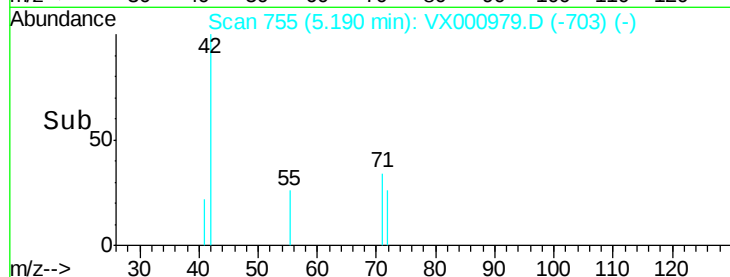
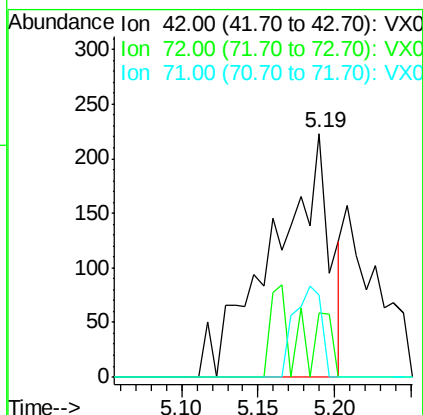
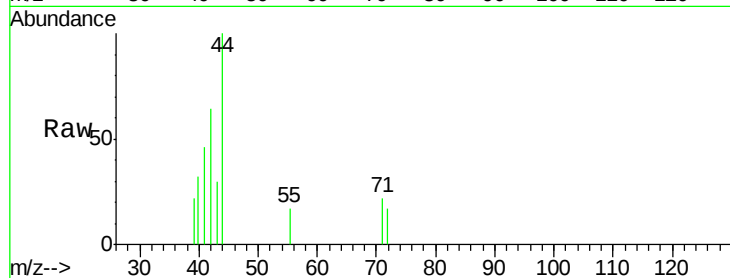
Tot Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

72 7.3 35.1 52.7#

71 17.8 32.8 49.2#



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

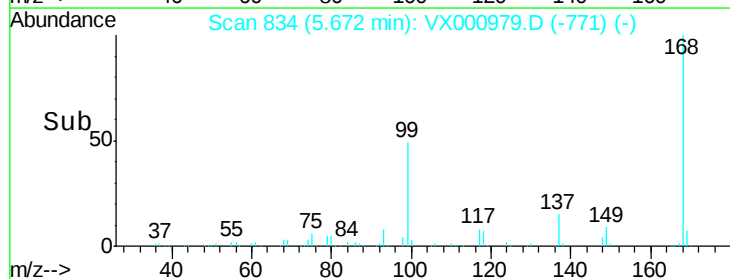
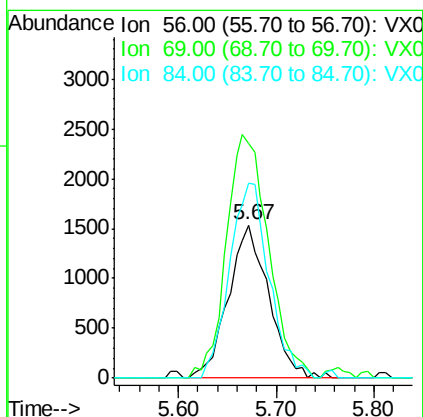
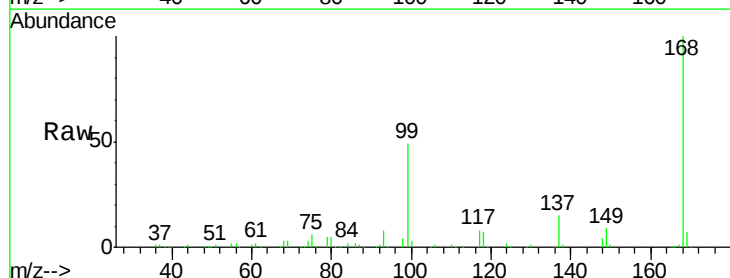
Tgt Ion: 56 Resp: 4377

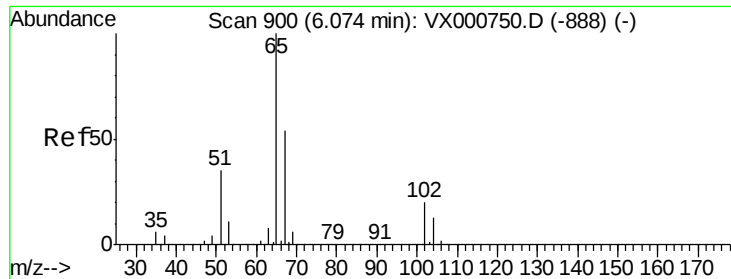
Ion Ratio Lower Upper

56 100

69 153.3 24.2 36.4#

84 127.2 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 49.956 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

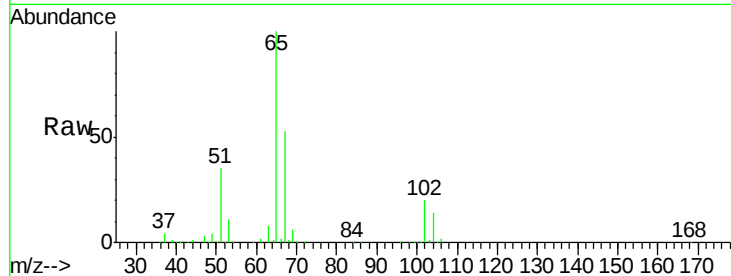
ClientSampleId :

Tot Ion: 65 Resp: 156933

Ion Ratio Lower Upper

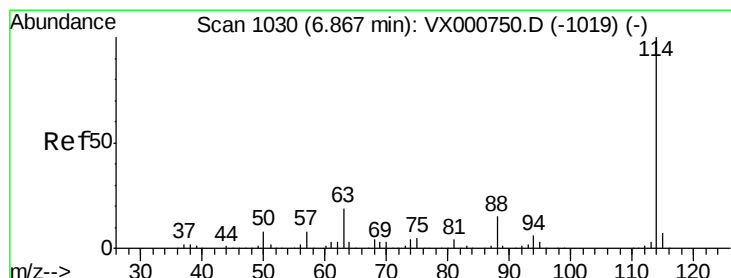
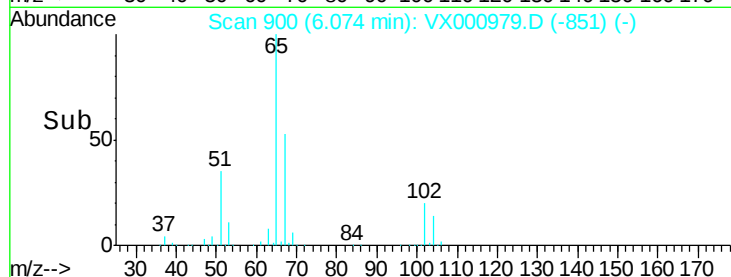
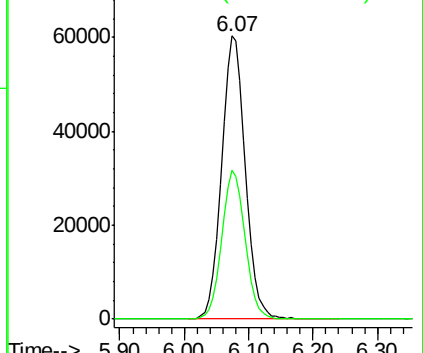
65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

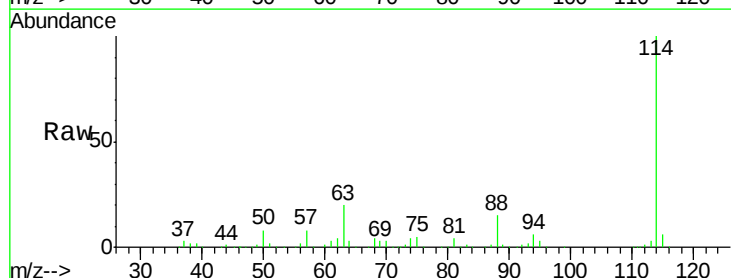
Tgt Ion: 114 Resp: 345918

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

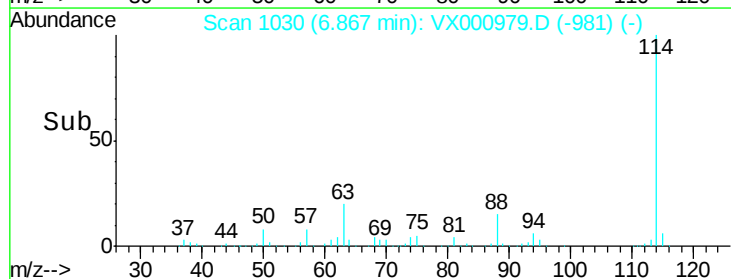
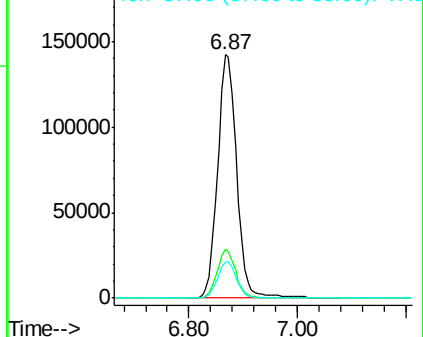
88 15.0 0.0 31.0

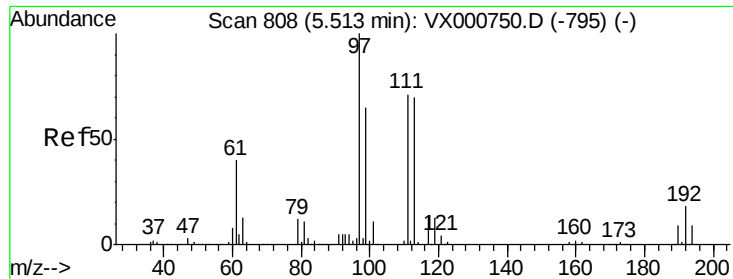


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

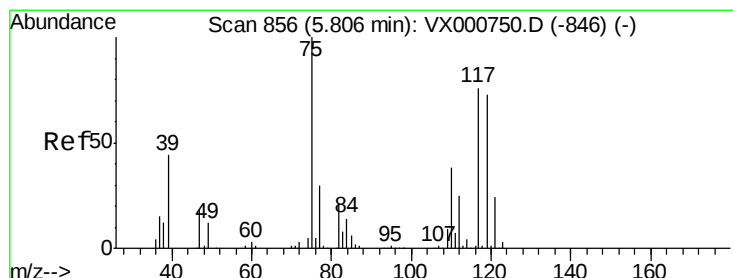
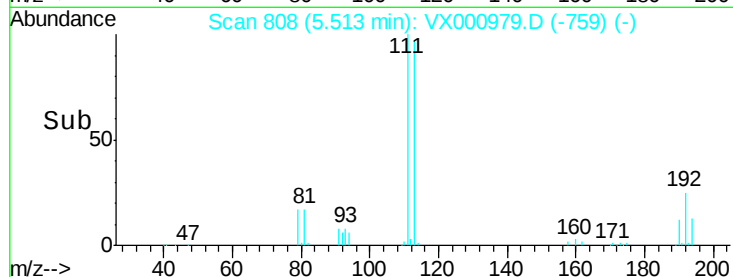
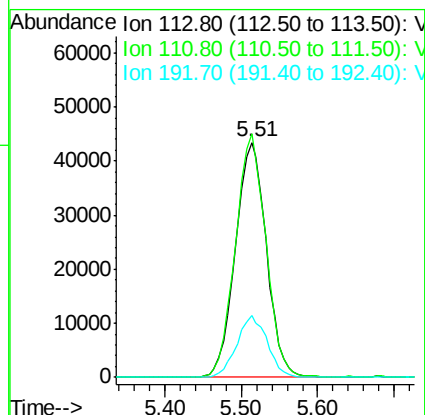
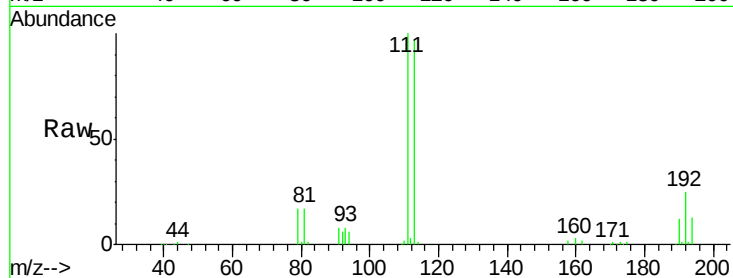




#35
 Dibromofluoromethane
 Concen: 45.682 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000979.D
 Acq: 17 Apr 2018 21:31

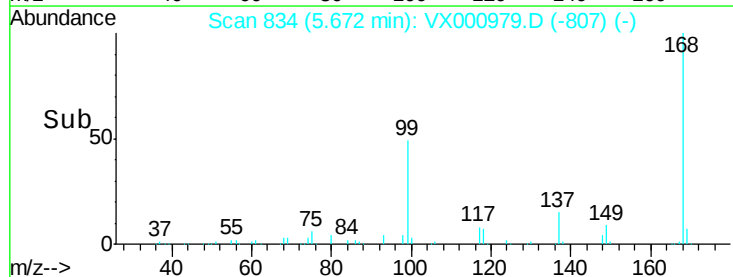
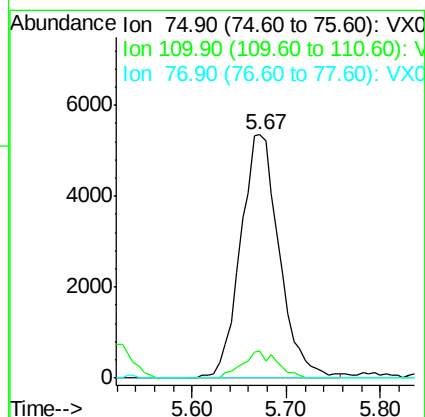
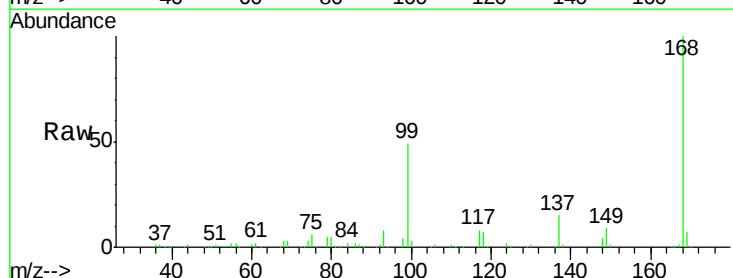
Instrument :
 MSVOA_X
 ClientSampleId :

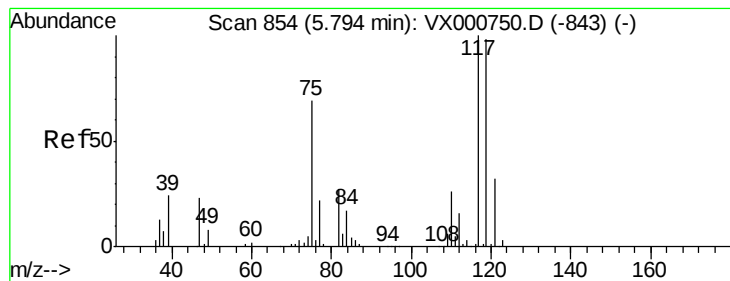
Tot Ion:113 Resp: 121747
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 25.7 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.044 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000979.D
 Acq: 17 Apr 2018 21:31

Tgt Ion: 75 Resp: 15406
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.967 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

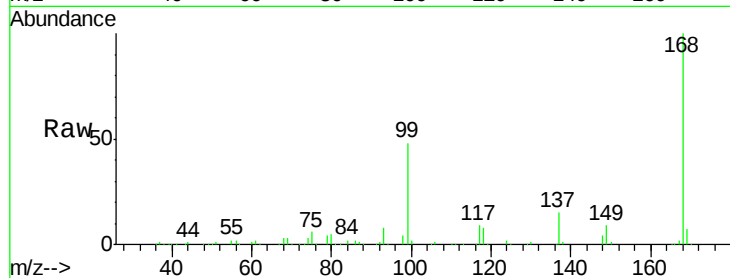
Tot Ion:117 Resp: 21180

Ion Ratio Lower Upper

117 100

119 3.9 78.4 117.6#

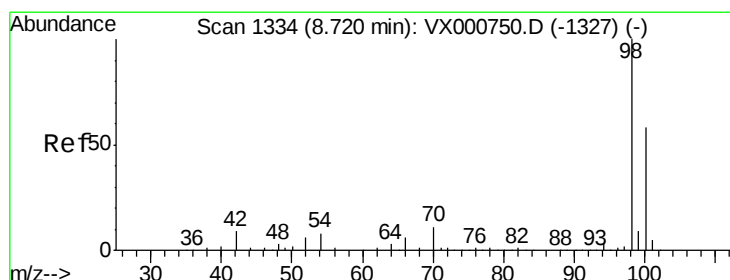
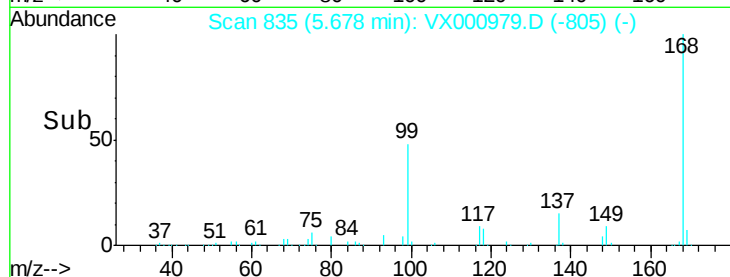
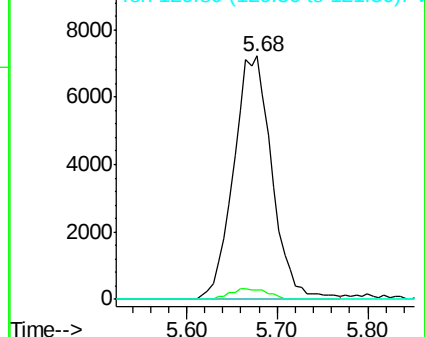
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.932 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000979.D

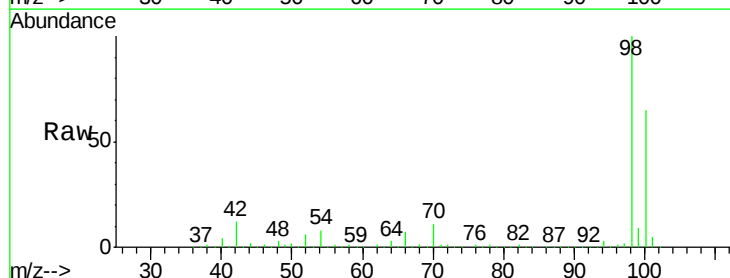
Acq: 17 Apr 2018 21:31

Tgt Ion: 98 Resp: 485559

Ion Ratio Lower Upper

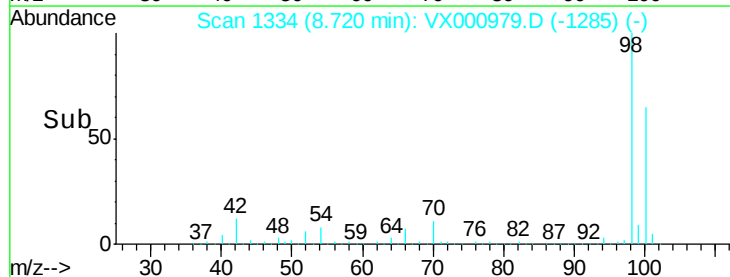
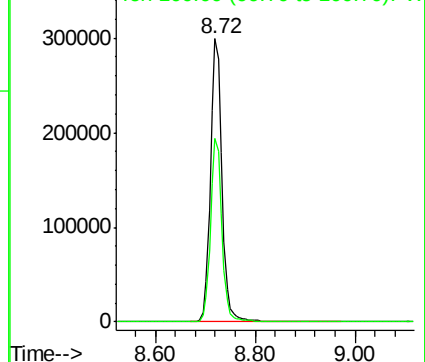
98 100

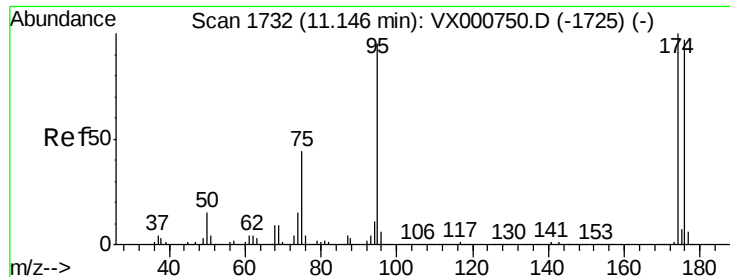
100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

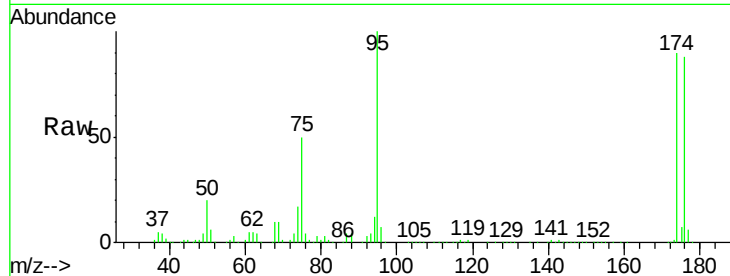




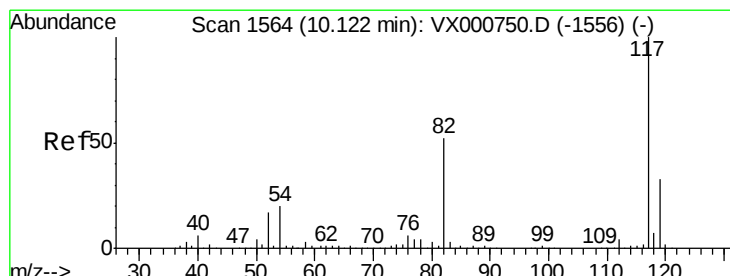
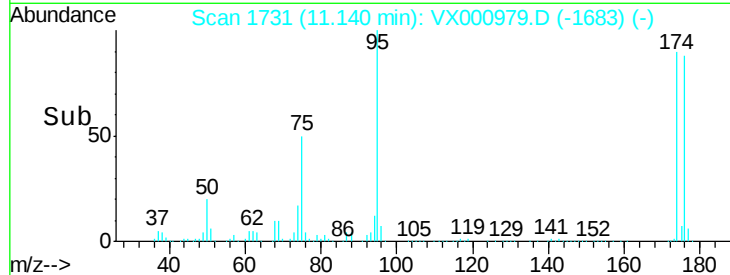
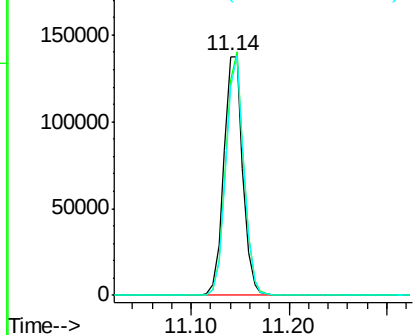
#62
4-Bromofluorobenzene
Concen: 44.740 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000979.D
Acq: 17 Apr 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 183681
Ion Ratio Lower Upper
95 100
174 97.0 0.0 198.4
176 95.0 0.0 194.4

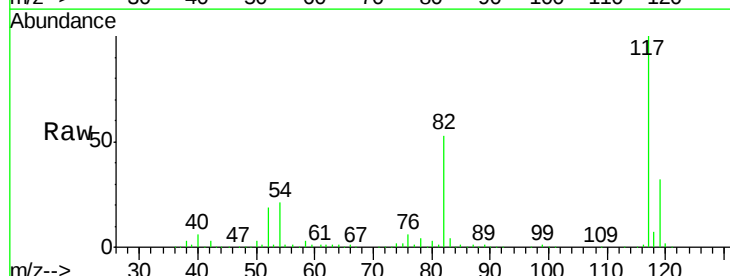


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

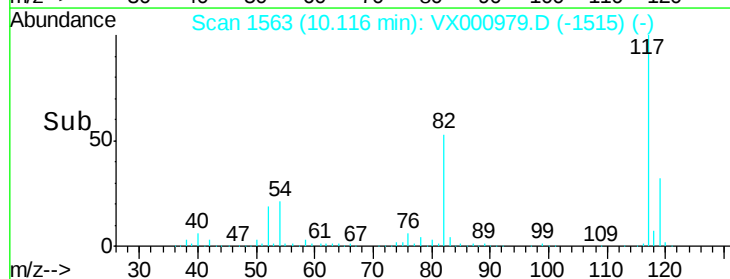
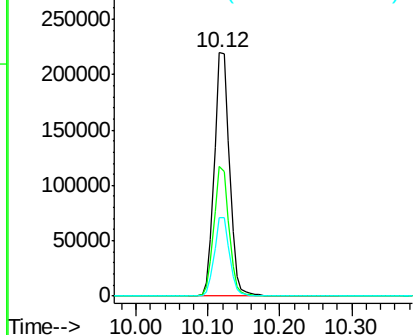


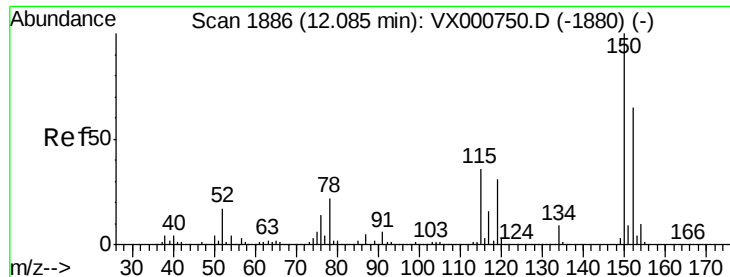
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX000979.D
Acq: 17 Apr 2018 21:31

Tgt Ion: 117 Resp: 320178
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 32.0 26.0 39.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

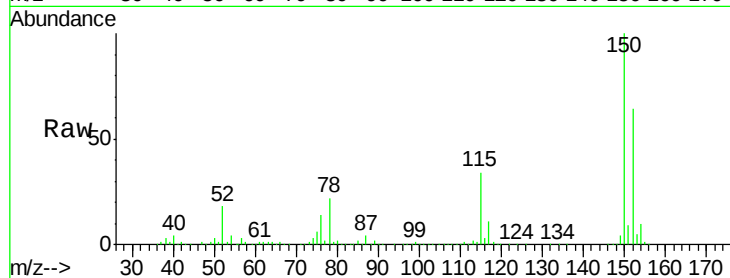
Tot Ion:152 Resp: 200728

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

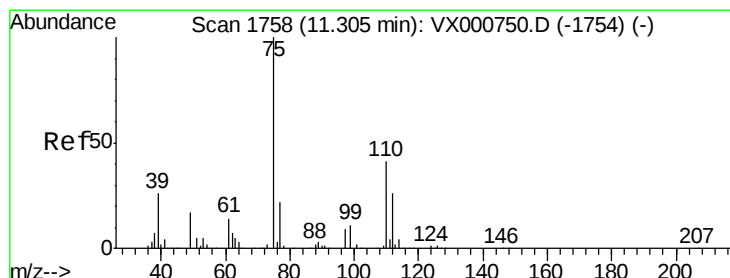
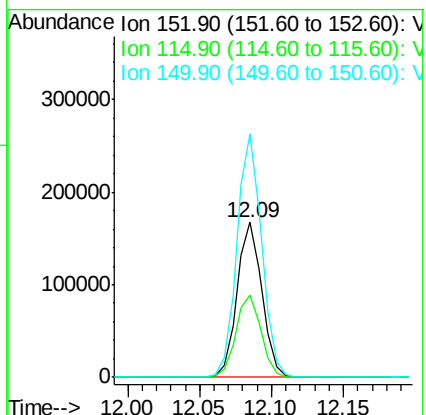
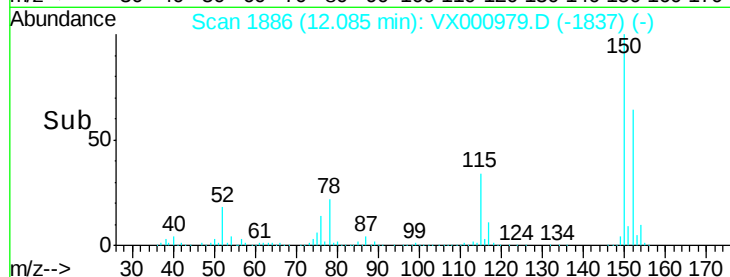
150 156.6 0.0 348.0



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: 26.183 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000979.D

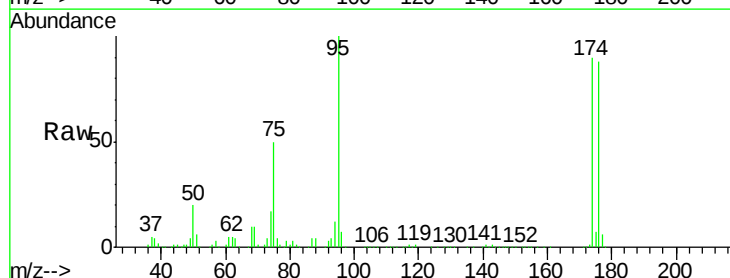
Acq: 17 Apr 2018 21:31

Tgt Ion: 75 Resp: 90639

Ion Ratio Lower Upper

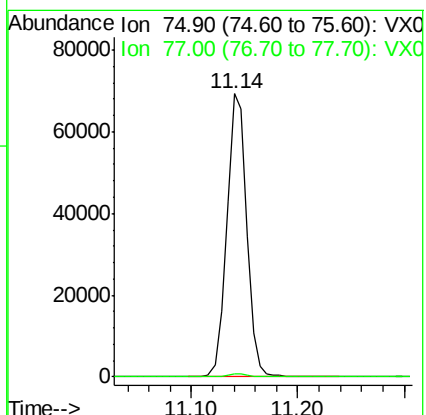
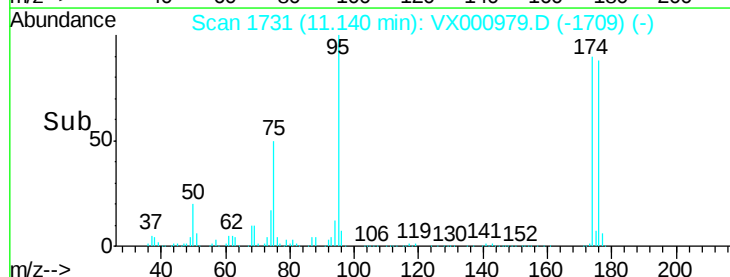
75 100

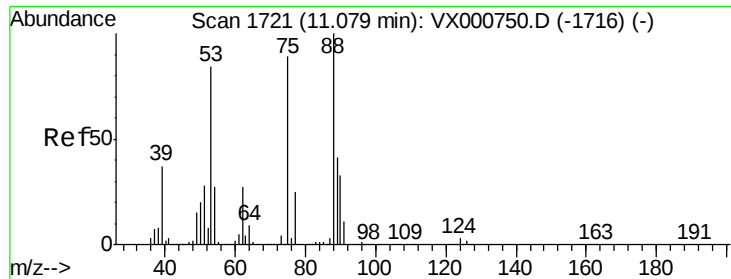
77 1.2 20.5 61.5#



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: 72.024 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

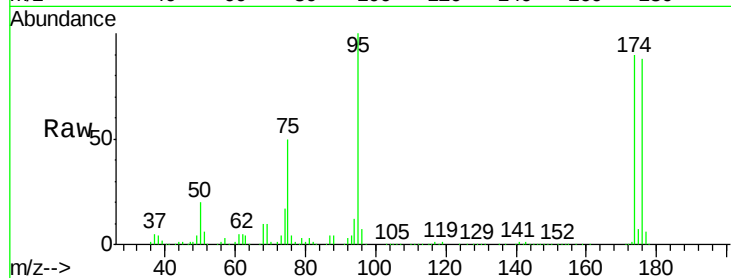
Lab File: VX000979.D

Acq: 17 Apr 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	75	Resp:	90639
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.4	113.0#
89	0.0	40.9	61.3#

