

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001066.D
 Acq On : 23 Apr 2018 18:27
 Operator : JC/MD
 Sample : J2464-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

Quant Time: Apr 24 07:04:08 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	206286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	284629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152664	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	134504	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
35) Dibromofluoromethane	5.51	113	103388	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	8.72	98	399259	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.14	95	144045	42.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.54%	

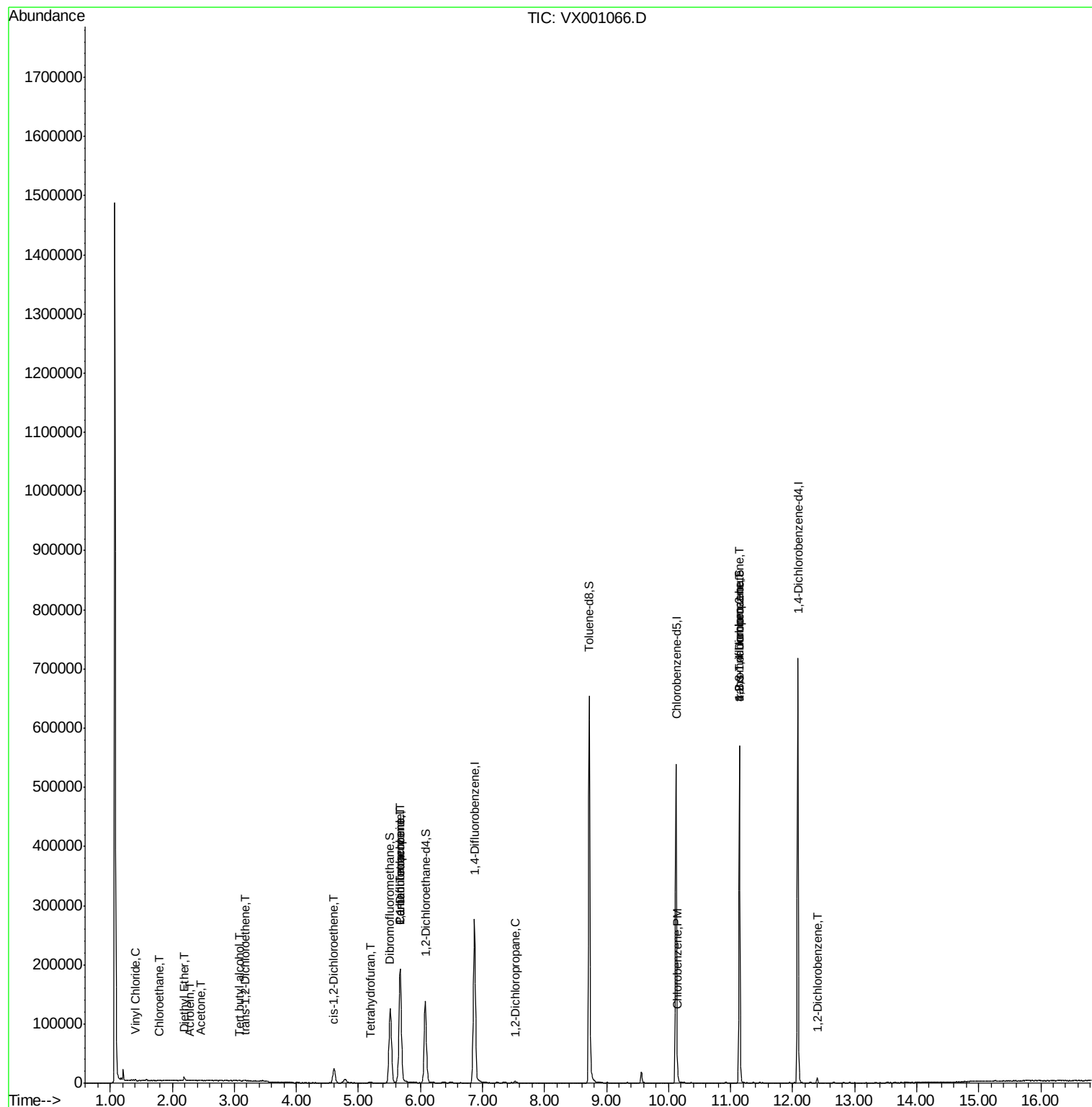
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1323	0.54	ug/l	93
5) Bromomethane	1.63	94	29	Below Cal	#	2
6) Chloroethane	1.79	64	1169	0.80	ug/l	# 79
8) Diethyl Ether	2.19	74	2116	1.54	ug/l	99
11) Tert butyl alcohol	3.09	59	537	1.36	ug/l	97
13) Acrolein	2.29	56	122	11.88	ug/l	# 1
16) Acetone	2.45	43	1639	1.66	ug/l	90
20) Methylene Chloride	2.86	84	190	Below Cal	#	69
21) trans-1,2-Dichloroethene	3.17	96	553	0.25	ug/l	96
27) cis-1,2-Dichloroethene	4.61	96	15195	6.10	ug/l	90
29) Tetrahydrofuran	5.19	42	712	0.73	ug/l	# 50
36) 1,1-Dichloropropene	5.67	75	12900	3.86	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	17527	5.18	ug/l	# 17
45) 1,2-Dichloropropane	7.52	63	956	0.41	ug/l	95
65) Chlorobenzene	10.15	112	2252	0.33	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	73468	27.74	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	73468	82.84	ug/l	# 8
91) 1,2-Dichlorobenzene	12.40	146	2809	0.53	ug/l	99

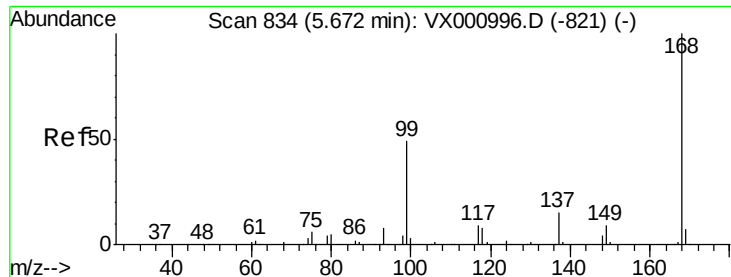
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

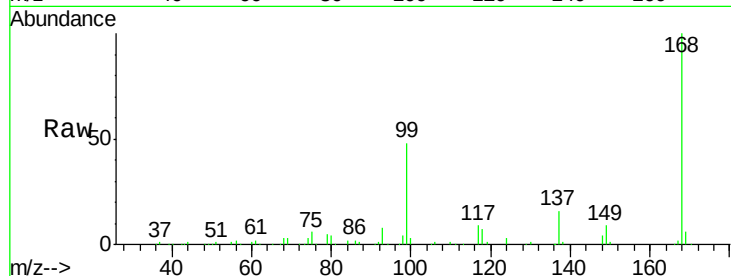
DUP-0445-180147

Tgt Ion:168 Resp: 206286

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

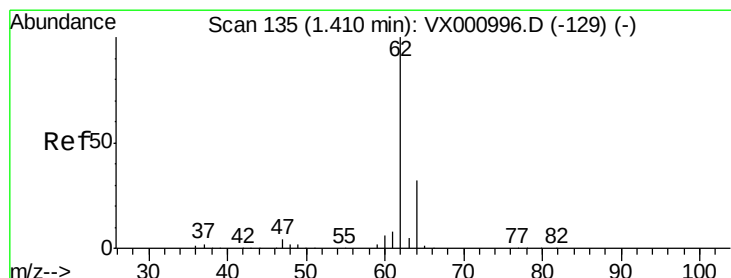
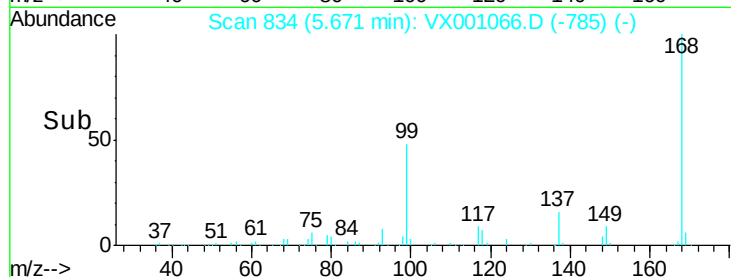
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 0.54 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001066.D

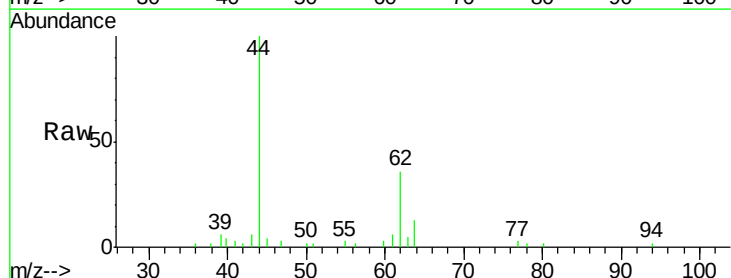
Acq: 23 Apr 2018 18:27

Tgt Ion: 62 Resp: 1323

Ion Ratio Lower Upper

62 100

64 35.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

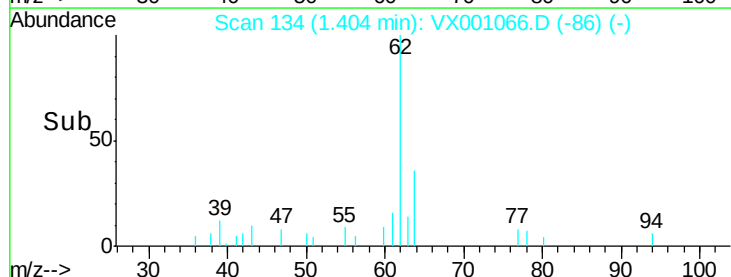
1000

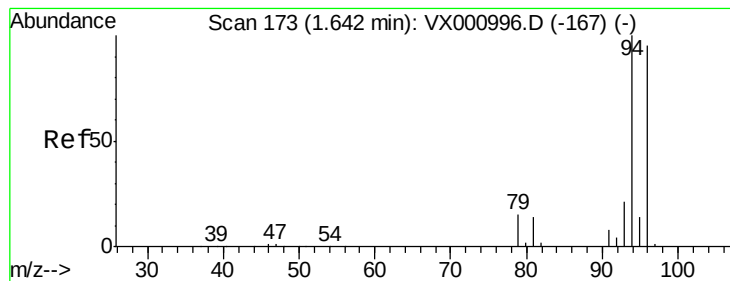
500

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

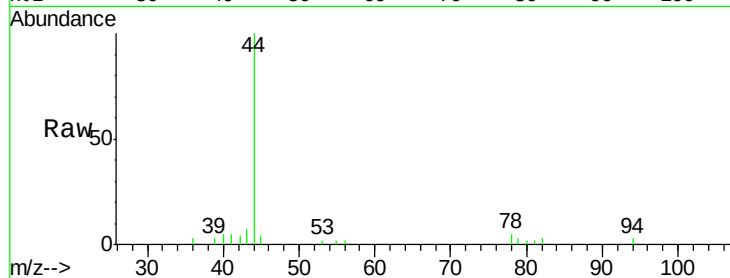
DUP-0445-180147

Tgt Ion: 94 Resp: 29

Ion Ratio Lower Upper

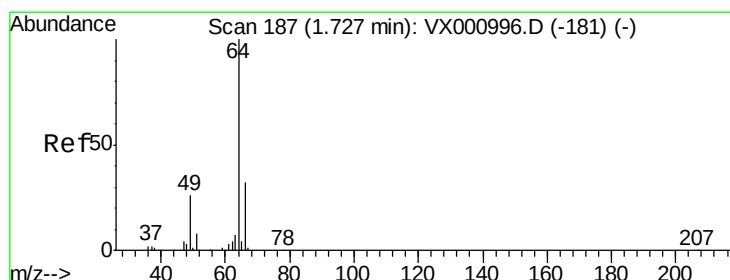
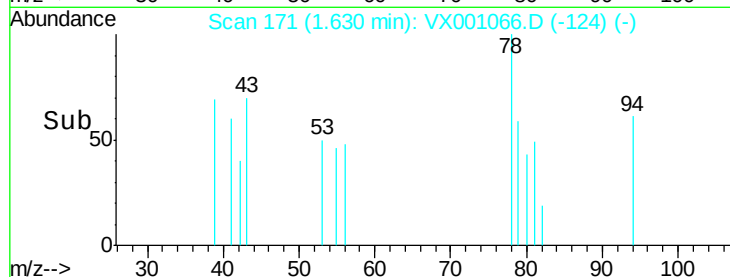
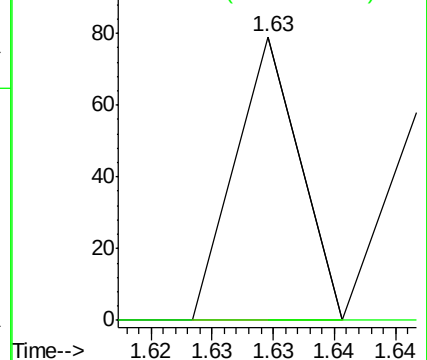
94 100

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



#6

Chloroethane

Concen: 0.80 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX001066.D

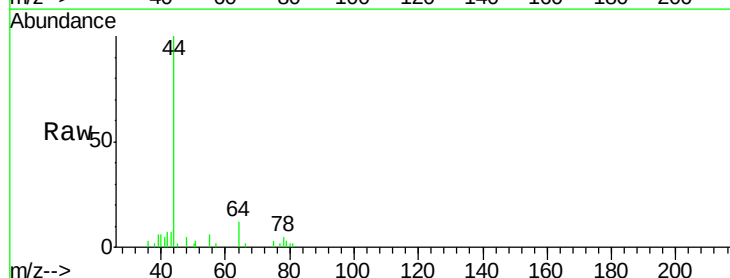
Acq: 23 Apr 2018 18:27

Tgt Ion: 64 Resp: 1169

Ion Ratio Lower Upper

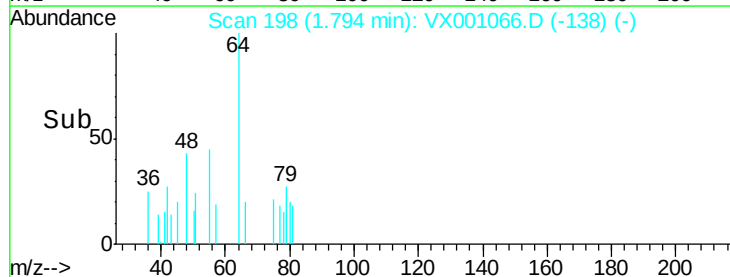
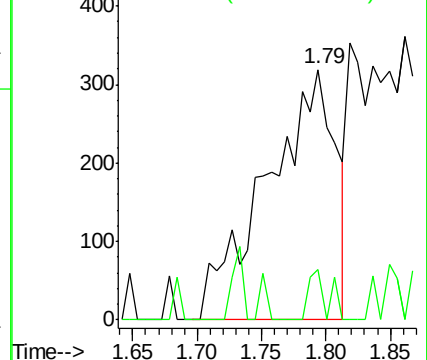
64 100

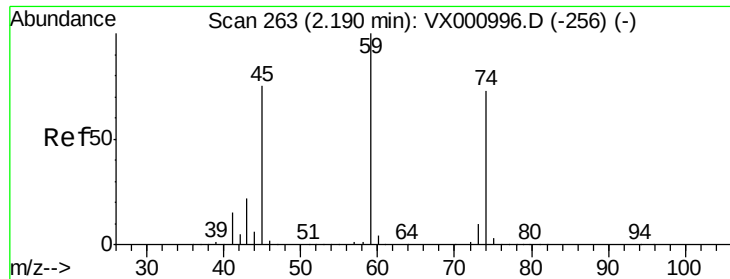
66 20.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

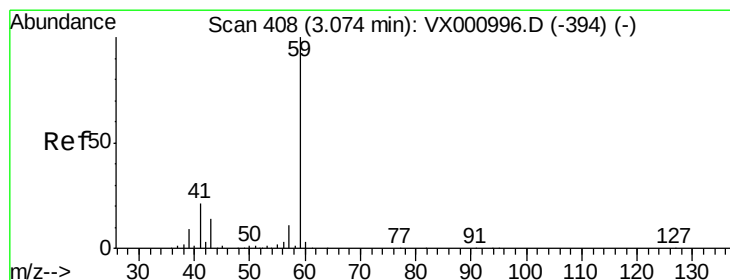
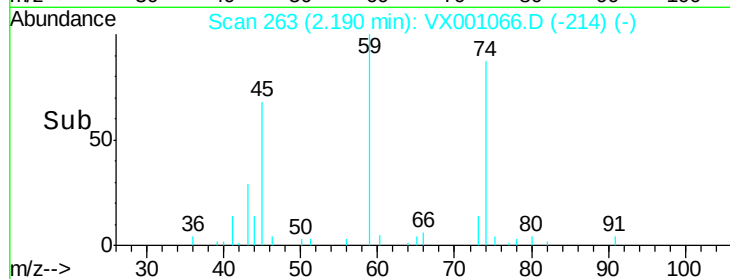
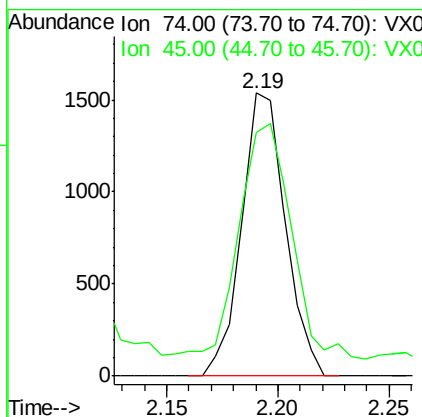
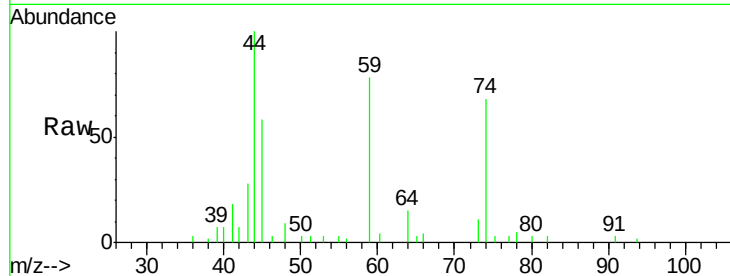




#8
 Diethyl Ether
 Concen: 1.54 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

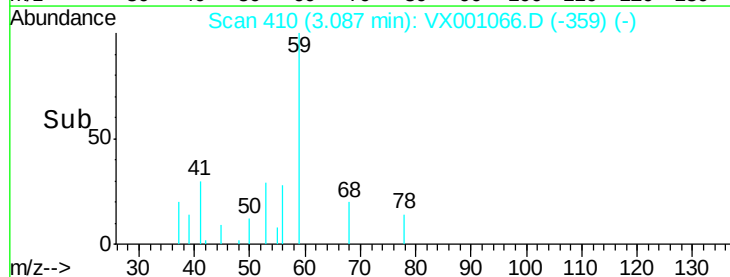
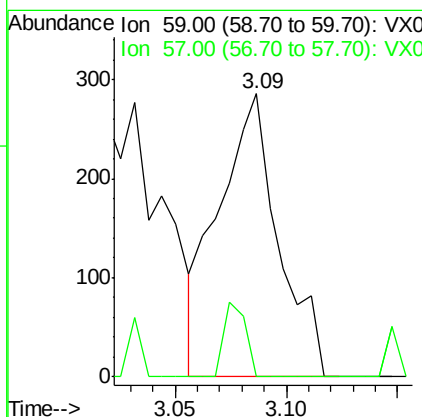
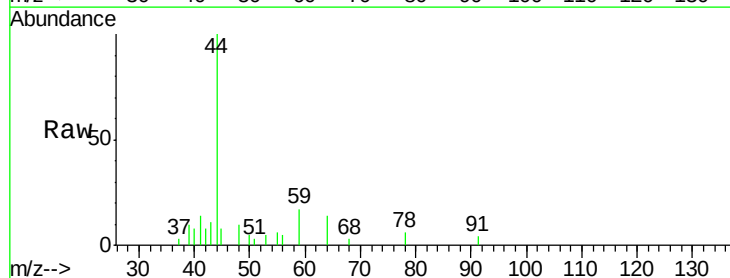
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

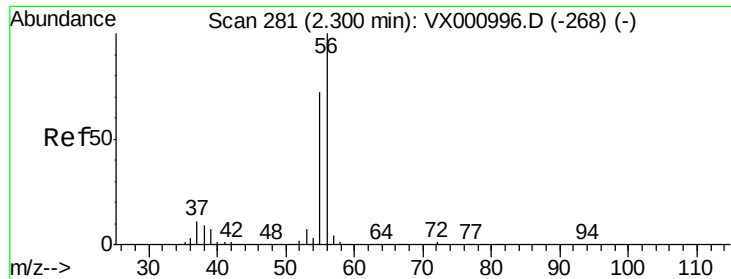
Tgt Ion: 74 Resp: 2116
 Ion Ratio Lower Upper
 74 100
 45 99.5 49.0 147.0



#11
 Tert butyl alcohol
 Concen: 1.36 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

Tgt Ion: 59 Resp: 537
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.3 12.5





#13

Acrolein

Concen: 11.88 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

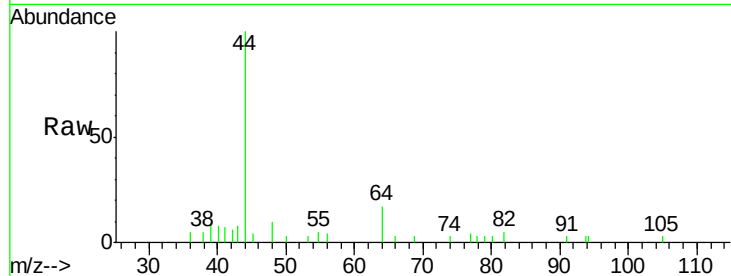
DUP-0445-180147

Tgt Ion: 56 Resp: 122

Ion Ratio Lower Upper

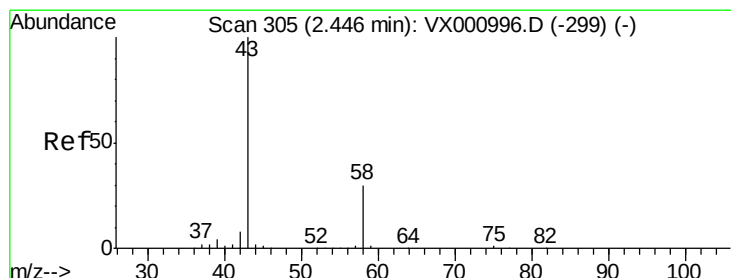
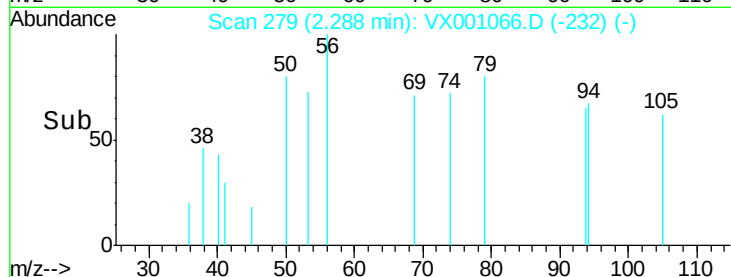
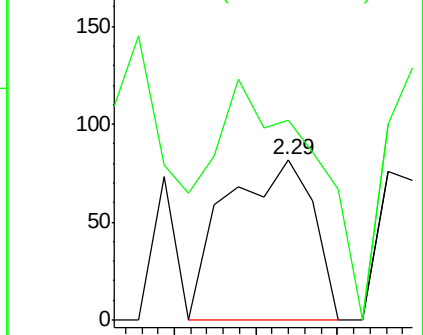
56 100

55 168.0 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: 1.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001066.D

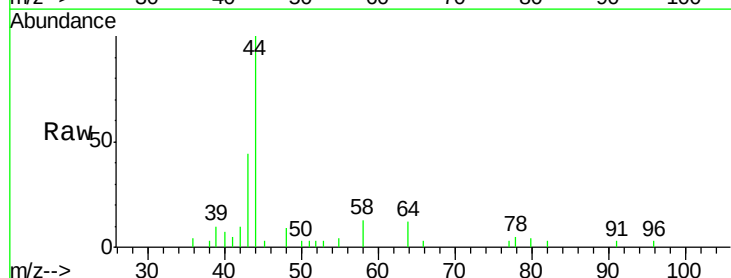
Acq: 23 Apr 2018 18:27

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

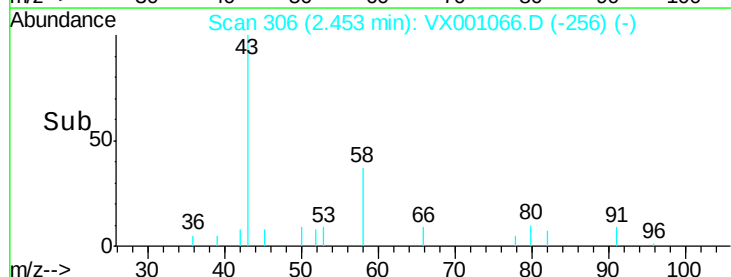
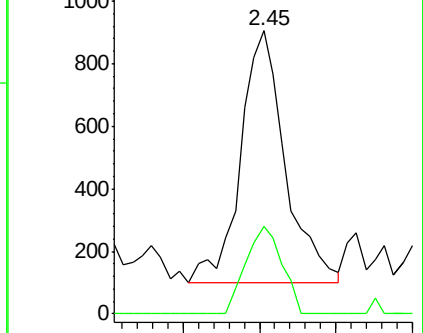
43 100

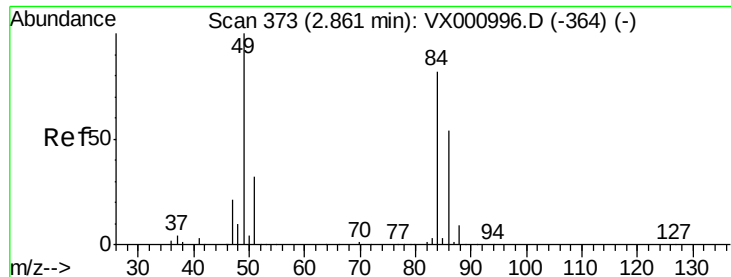
58 34.7 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

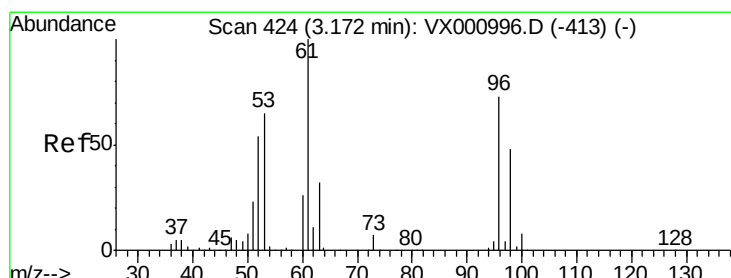
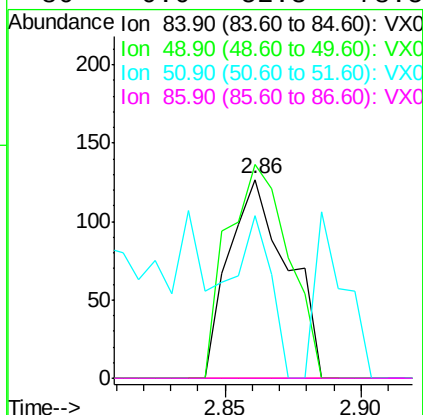
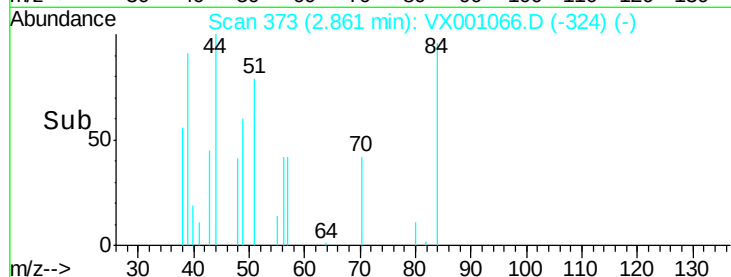
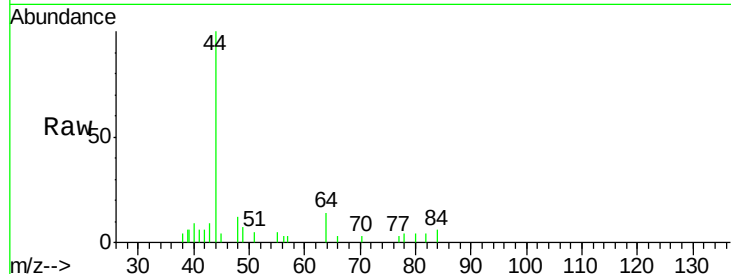




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

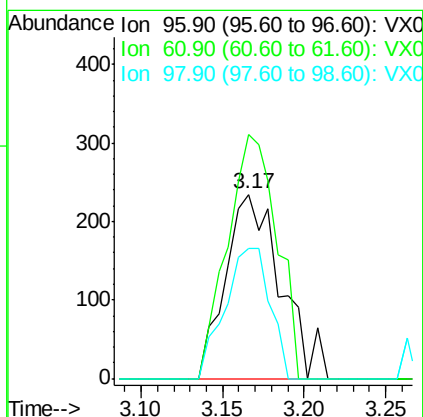
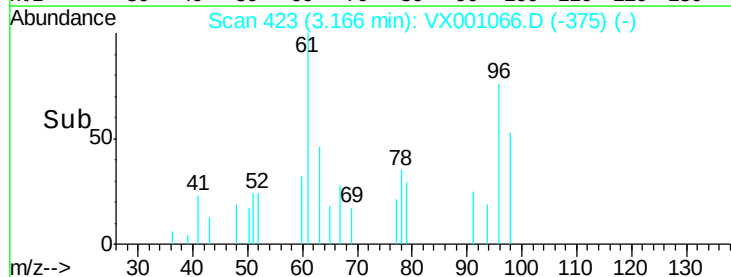
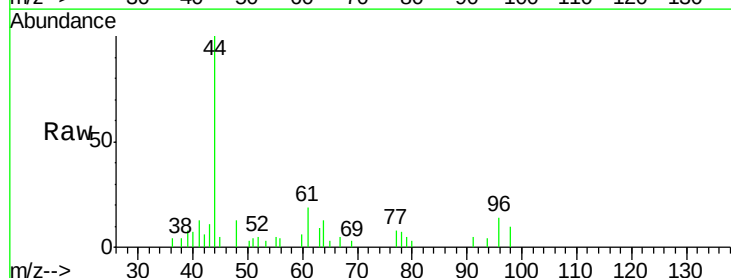
Instrument :
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DUP-0445-180147

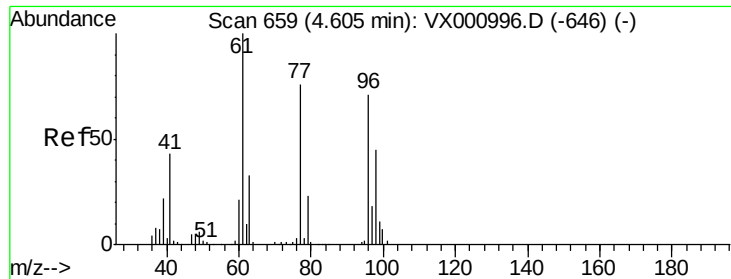
Tgt Ion: 84 Resp: 190
Ion Ratio Lower Upper
84 100
49 107.1 97.1 145.7
51 37.0 30.8 46.2
86 0.0 52.3 78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.25 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

Tgt Ion: 96 Resp: 553
Ion Ratio Lower Upper
96 100
61 132.3 109.4 164.2
98 70.2 52.6 78.8





#27

cis-1,2-Dichloroethene

Concen: 6.10 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

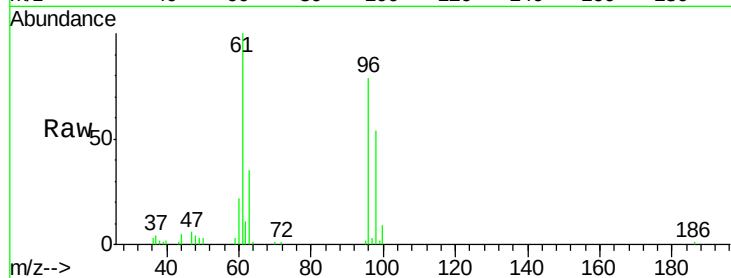
Tgt Ion: 96 Resp: 15195

Ion Ratio Lower Upper

96 100

61 130.4 0.0 297.0

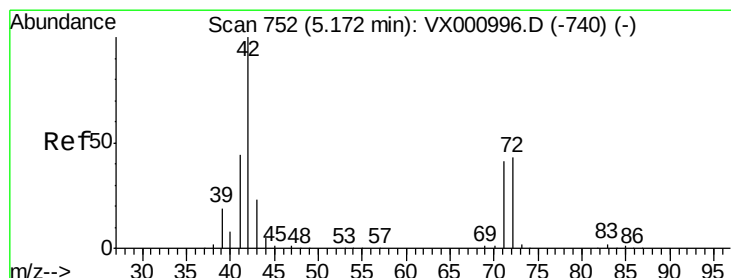
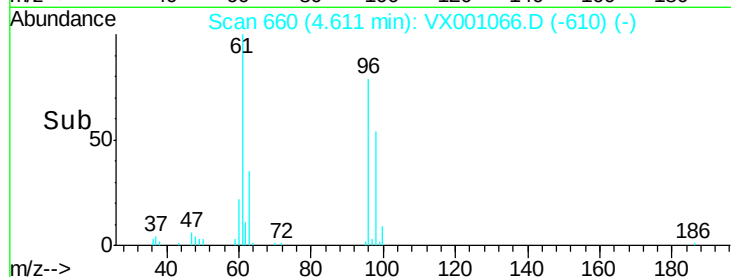
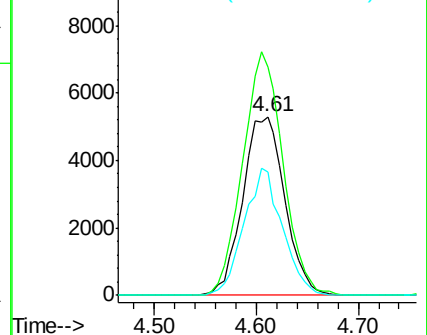
98 64.6 0.0 130.0



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: 0.73 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

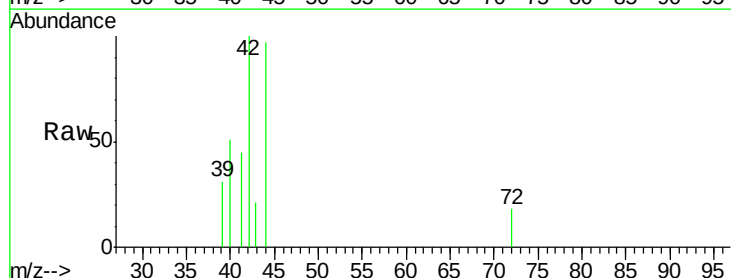
Tgt Ion: 42 Resp: 712

Ion Ratio Lower Upper

42 100

72 12.5 34.6 52.0#

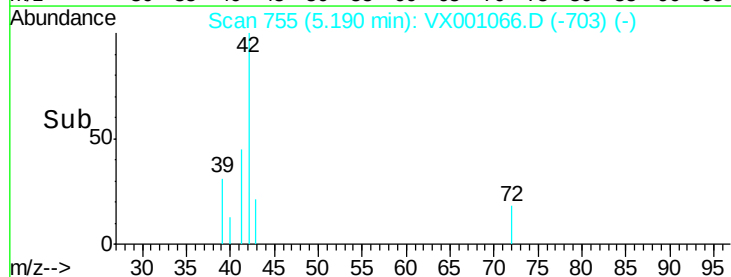
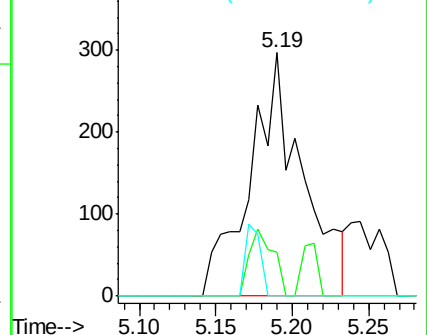
71 8.4 32.6 49.0#

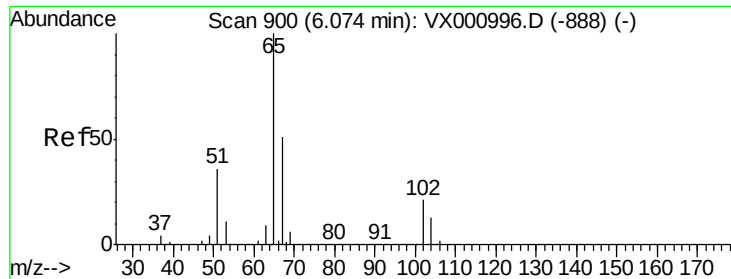


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

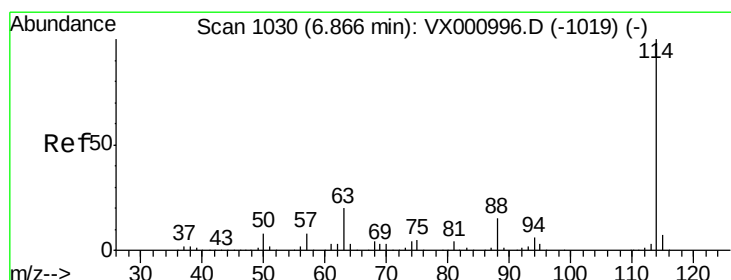
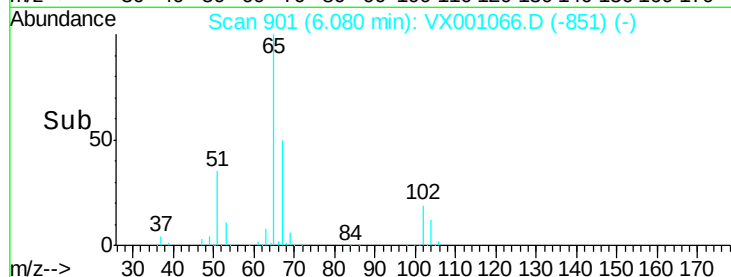
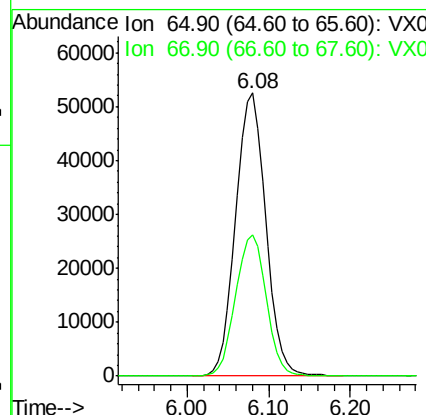
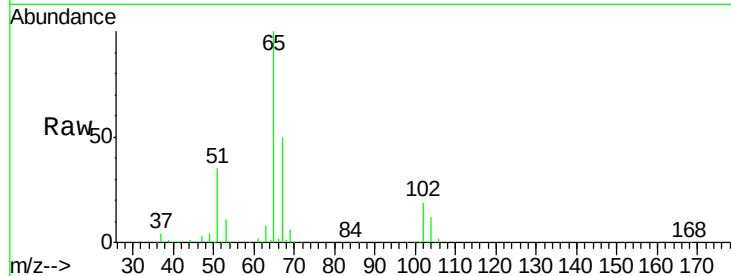




#33
 1,2-Dichloroethane-d4
 Concen: 51.44 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

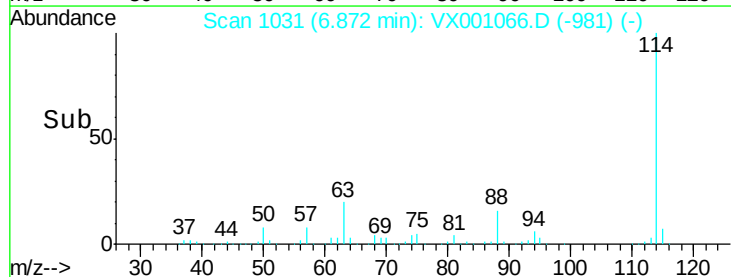
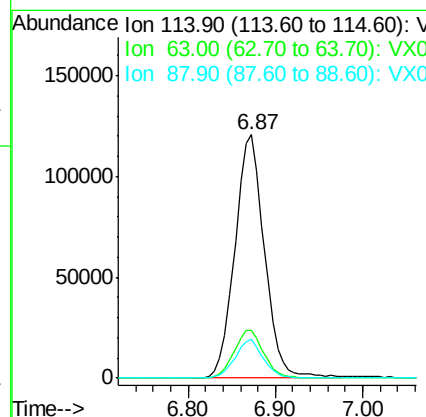
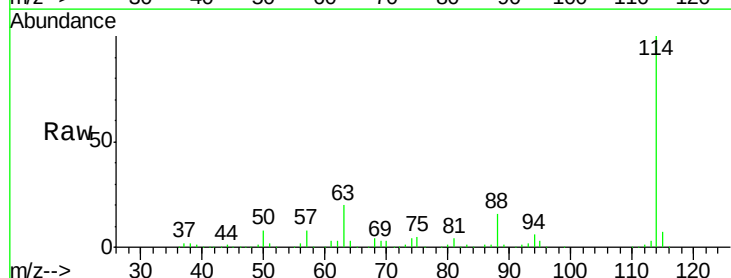
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 DUP-0445-180147

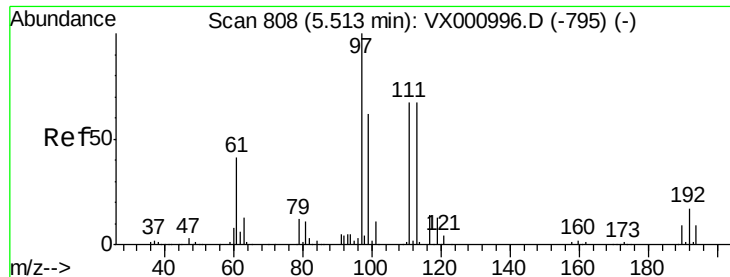
Tgt Ion: 65 Resp: 134504
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

Tgt Ion: 114 Resp: 284629
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.8 0.0 29.8

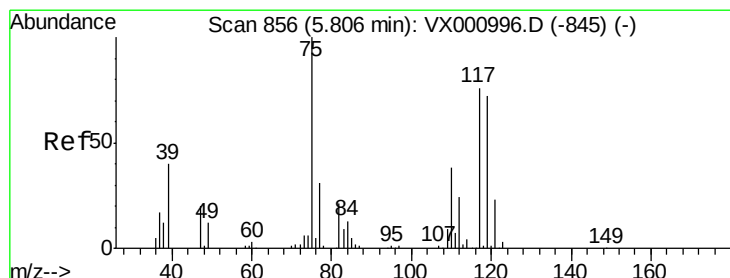
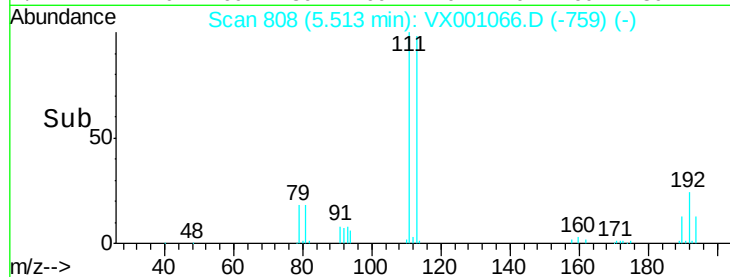
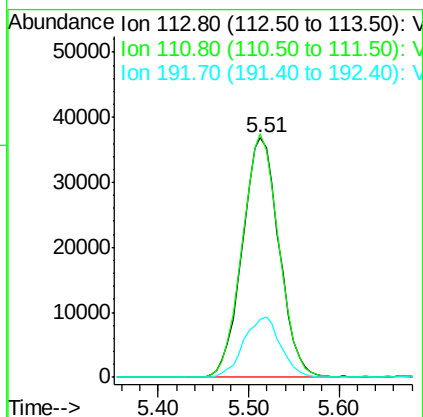
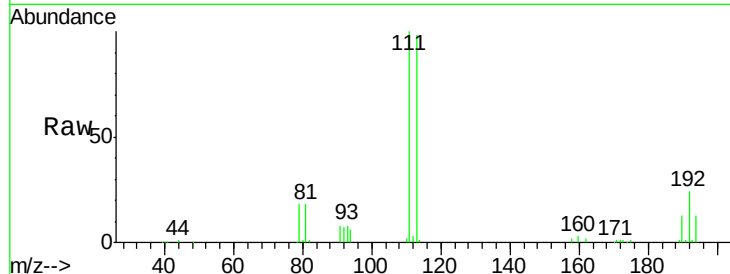




#35
 Dibromofluoromethane
 Concen: 47.64 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

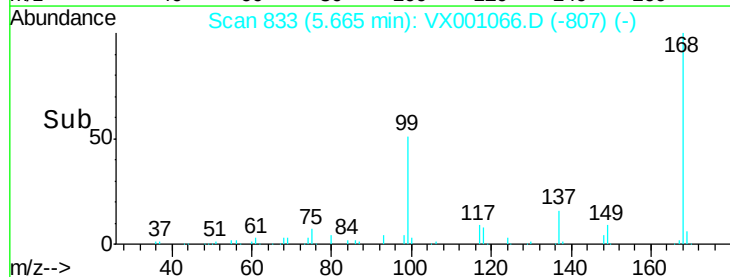
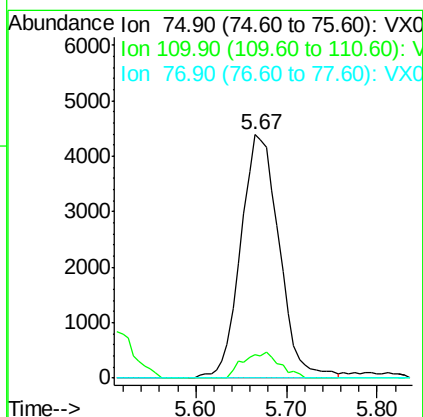
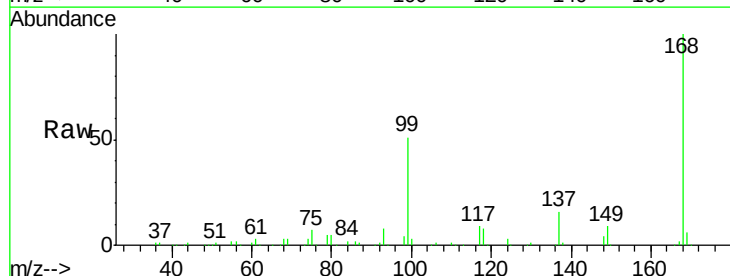
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

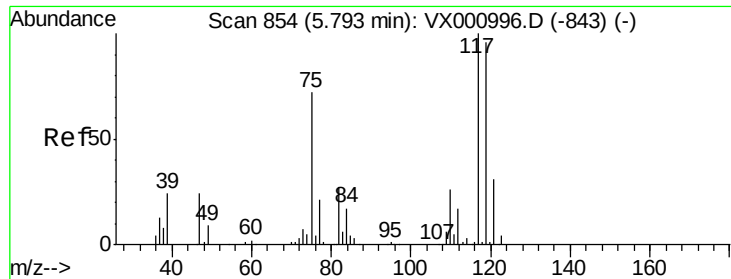
Tgt Ion:113 Resp: 103388
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.2
 192 25.4 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001066.D
 Acq: 23 Apr 2018 18:27

Tgt Ion: 75 Resp: 12900
 Ion Ratio Lower Upper
 75 100
 110 10.1 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: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

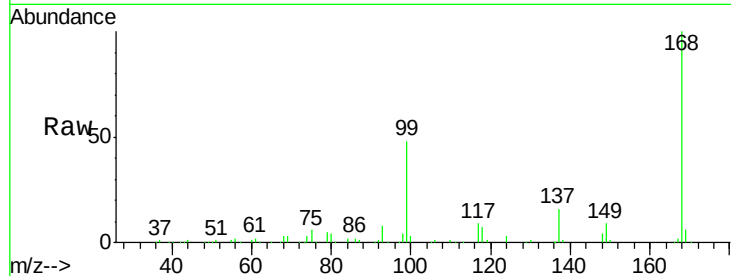
Tgt Ion:117 Resp: 17527

Ion Ratio Lower Upper

117 100

119 6.0 76.5 114.7#

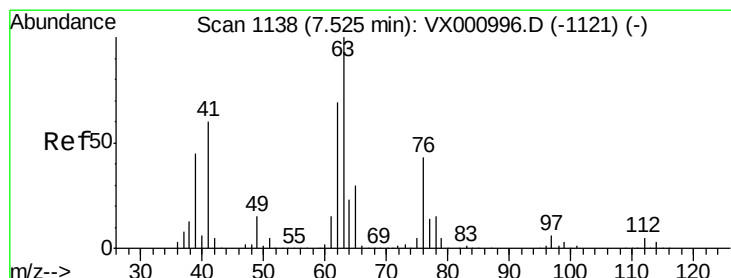
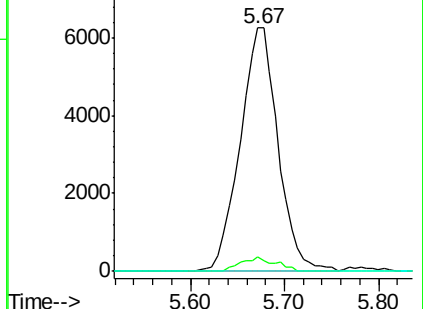
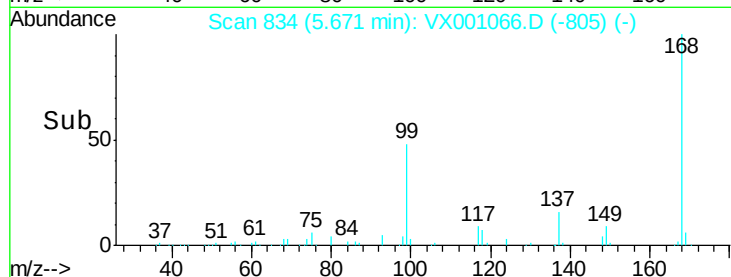
121 0.0 24.5 36.7#



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



#45

1,2-Dichloropropane

Concen: 0.41 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001066.D

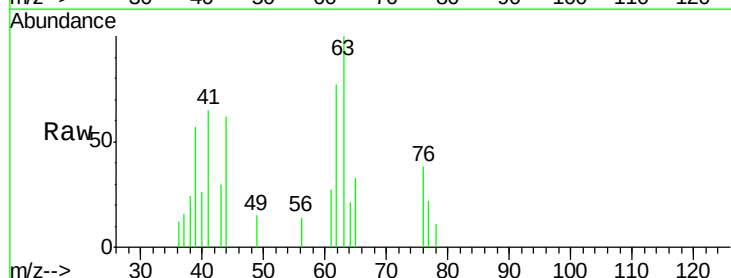
Acq: 23 Apr 2018 18:27

Tgt Ion: 63 Resp: 956

Ion Ratio Lower Upper

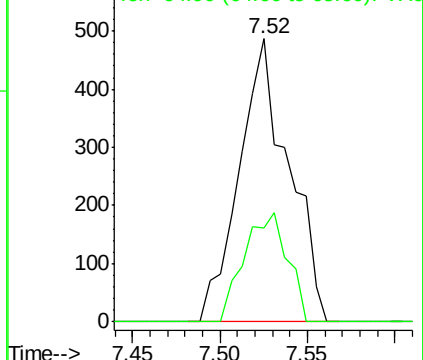
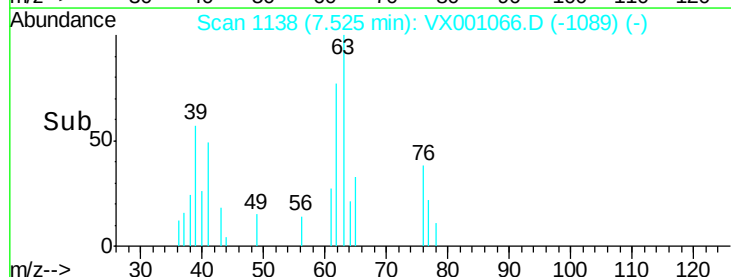
63 100

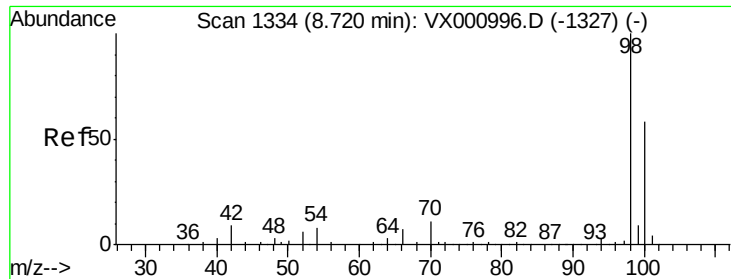
65 33.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

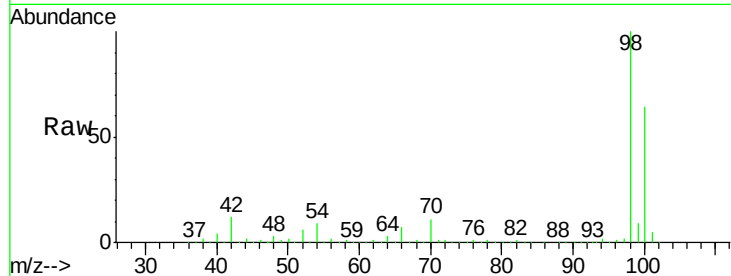




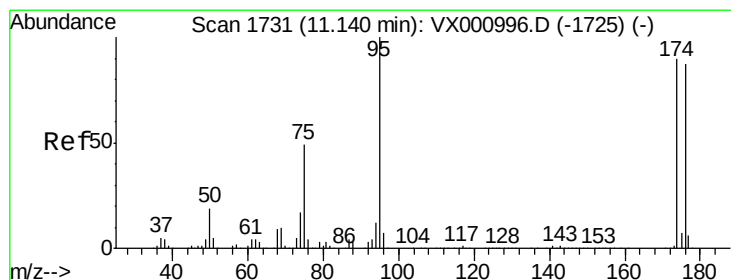
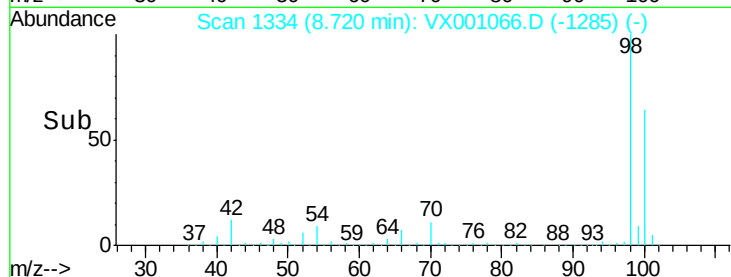
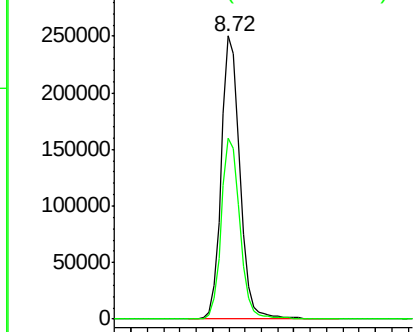
#50
Toluene-d8
Concen: 49.75 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

Instrument :
MSVOA_X
ClientSampleId :
DUP-0445-180147

Tgt Ion: 98 Resp: 399259
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

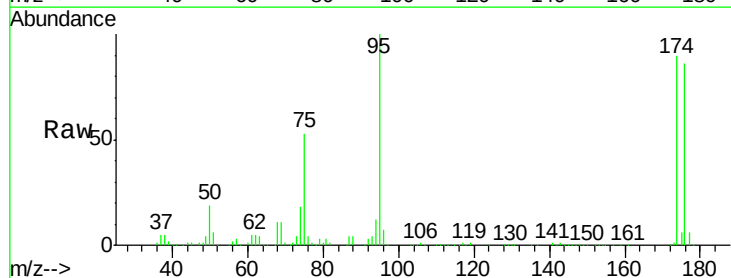


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

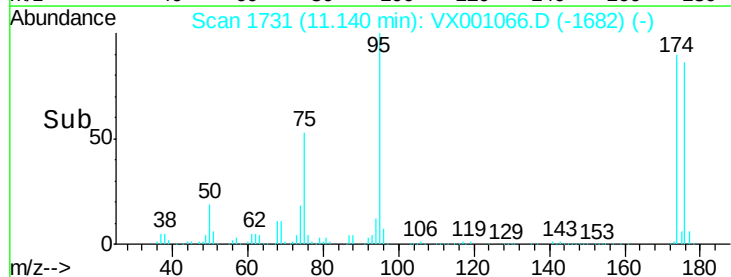
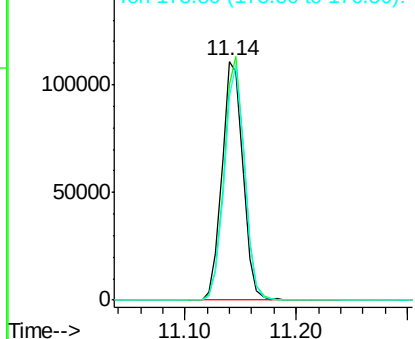


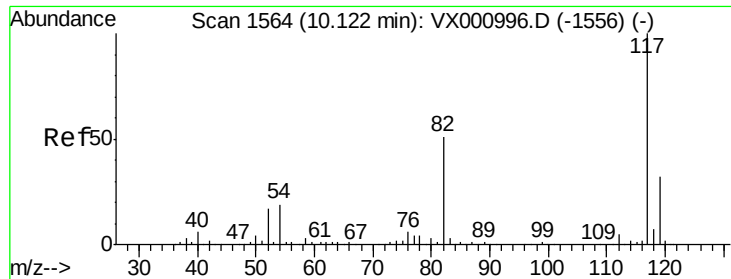
#62
4-Bromofluorobenzene
Concen: 42.77 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

Tgt Ion: 95 Resp: 144045
Ion Ratio Lower Upper
95 100
174 98.9 0.0 198.4
176 95.4 0.0 192.0



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

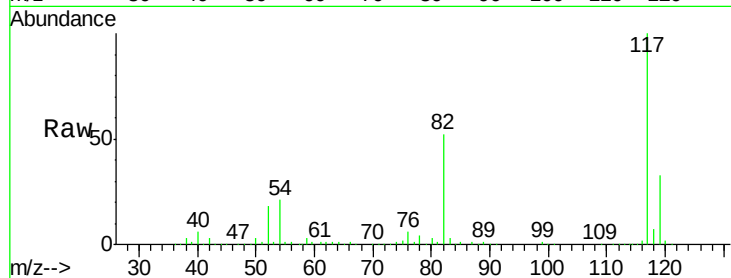




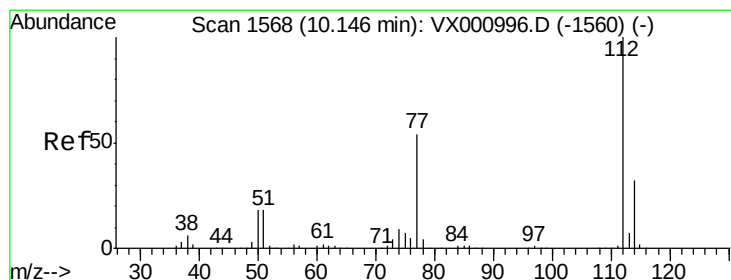
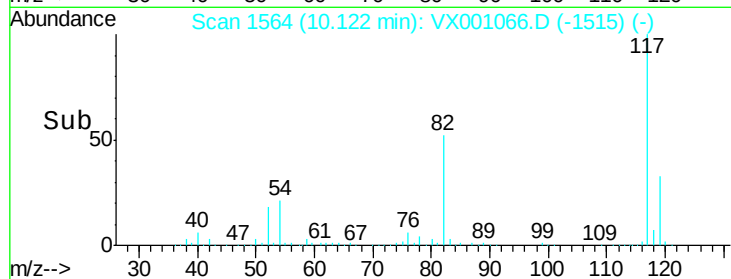
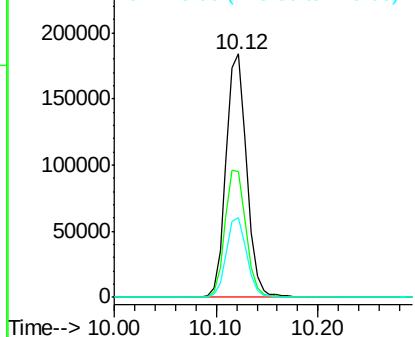
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

Instrument :
MSVOA_X
ClientSampleId :
DUP-0445-180147

Tgt Ion:117 Resp: 257187
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 32.7 26.0 39.0

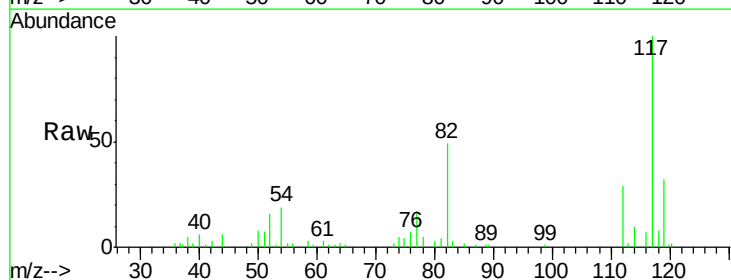


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

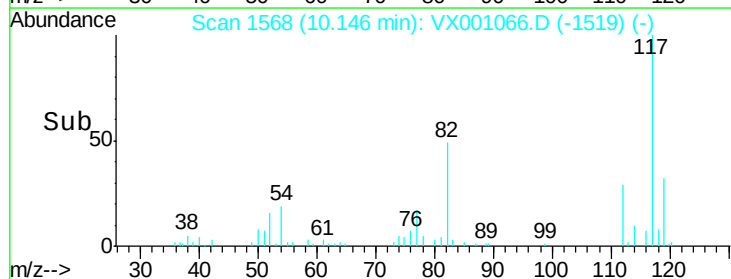
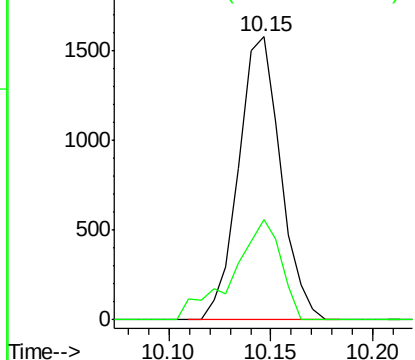


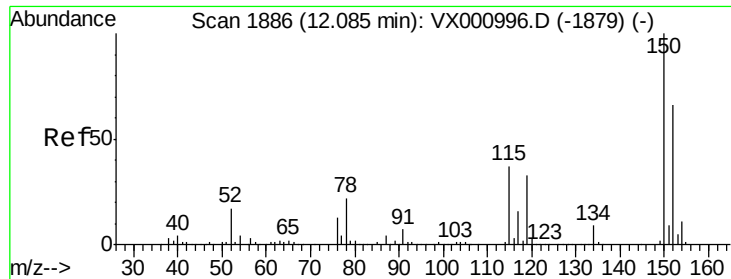
#65
Chlorobenzene
Concen: 0.33 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001066.D
Acq: 23 Apr 2018 18:27

Tgt Ion:112 Resp: 2252
Ion Ratio Lower Upper
112 100
114 35.4 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

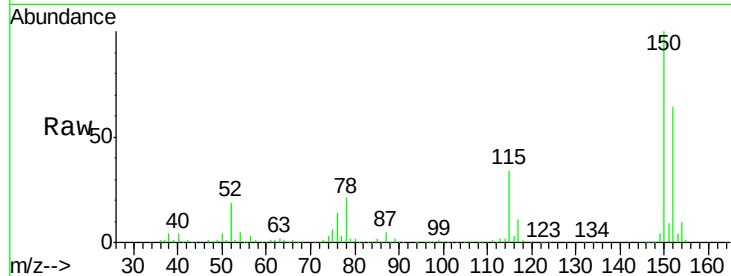
Tgt Ion:152 Resp: 152664

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

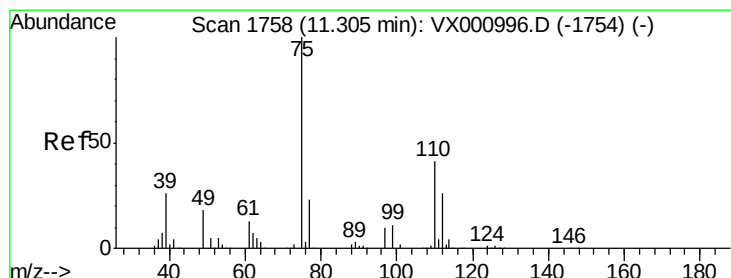
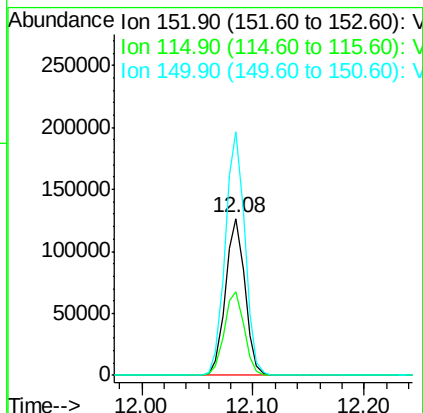
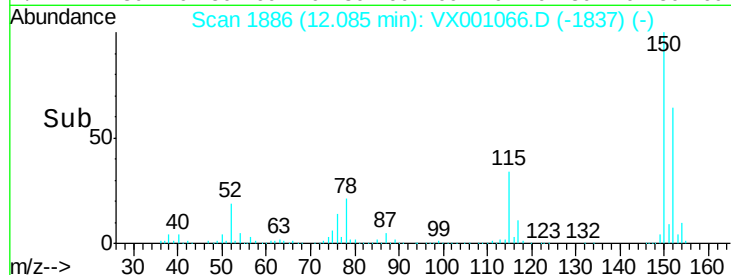
150 156.6 0.0 350.4



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: 27.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001066.D

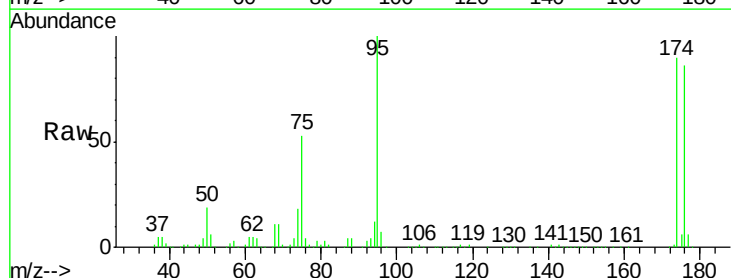
Acq: 23 Apr 2018 18:27

Tgt Ion: 75 Resp: 73468

Ion Ratio Lower Upper

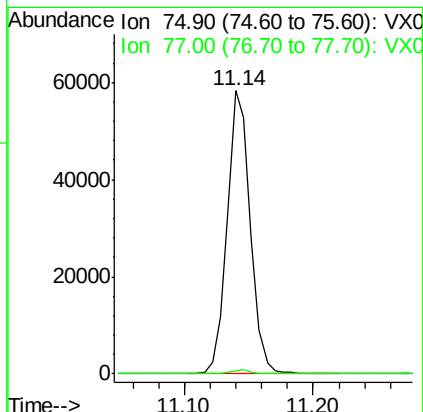
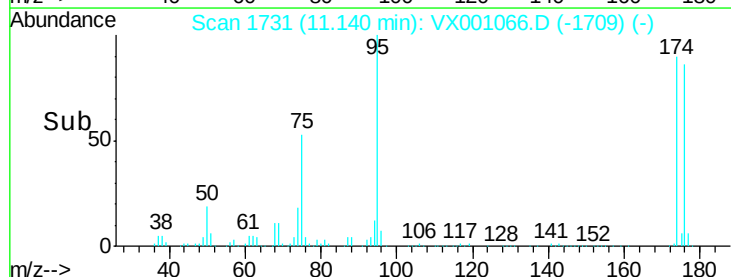
75 100

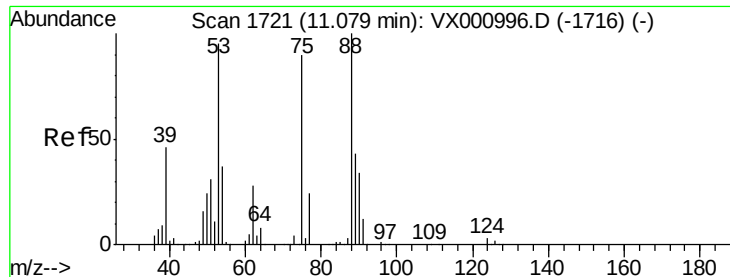
77 1.2 19.6 58.7#



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: 82.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

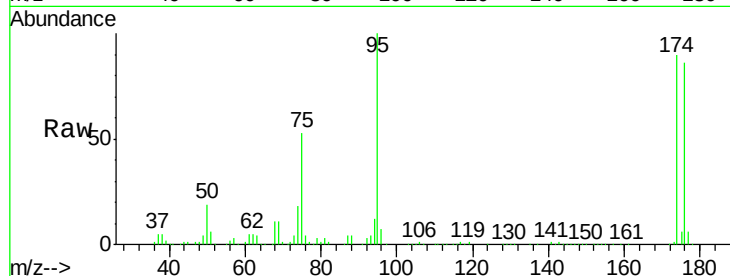
Tgt Ion: 75 Resp: 73468

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

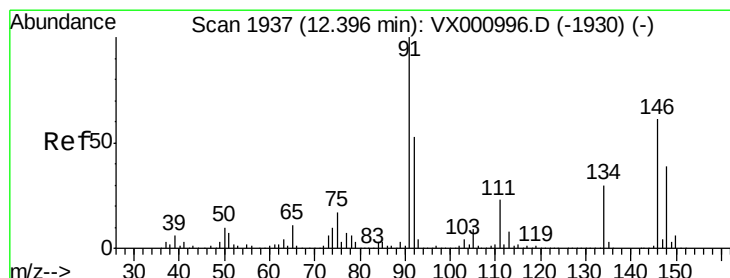
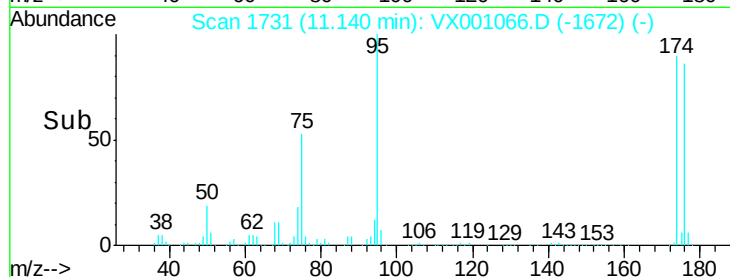
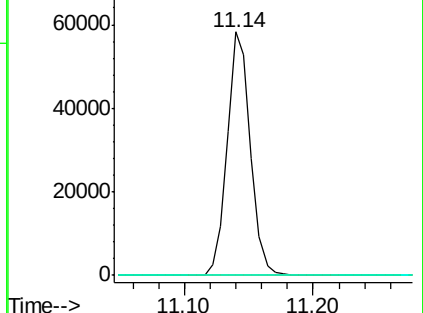
89 0.0 39.7 59.5#



Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-1716) (-)

Ion 53.00 (52.70 to 53.70): VX000996.D (-1716) (-)

Ion 88.90 (88.60 to 89.60): VX000996.D (-1716) (-)



#91

1,2-Dichlorobenzene

Concen: 0.53 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001066.D

Acq: 23 Apr 2018 18:27

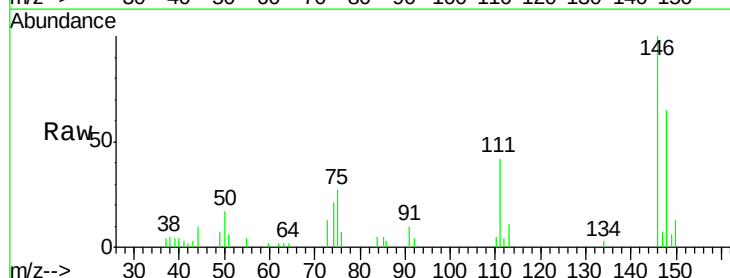
Tgt Ion: 146 Resp: 2809

Ion Ratio Lower Upper

146 100

111 37.1 18.6 56.0

148 65.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): VX000996.D (-1930) (-)

Ion 110.90 (110.60 to 111.60): VX000996.D (-1930) (-)

Ion 147.90 (147.60 to 148.60): VX000996.D (-1930) (-)

