

Data File : VX001875.D

Acq On : 21 May 2018 14:10

Operator : JC/MD

Sample : J2884-07RE

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

DUP-0457-180509RE

Quant Time: May 22 01:48:38 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	138651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182444	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	5.51	113	163449	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	8.72	98	567787	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.14	95	153359	38.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.42%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1869	0.62	ug/l	# 82
5) Bromomethane	1.65	94	949	Below	Cal	# 55
6) Chloroethane	1.65	64	13278	6.43	ug/l	# 53
10) Methyl Iodide	2.51	142	1337	0.51	ug/l	95
11) Tert butyl alcohol	3.09	59	199	0.30	ug/l	# 72
13) Acrolein	2.29	56	138	0.29	ug/l	# 26
15) Acrylonitrile	3.15	53	563	0.34	ug/l	# 82
16) Acetone	2.45	43	2202	1.50	ug/l	100
18) Methyl Acetate	2.78	43	929	0.22	ug/l	# 80
25) 2-Butanone	4.73	43	1083	0.48	ug/l	# 89
27) cis-1,2-Dichloroethene	4.60	96	3745	1.08	ug/l	44
29) Tetrahydrofuran	5.20	42	401	0.27	ug/l	# 49
36) 1,1-Dichloropropene	5.67	75	16038	3.78	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	22207	4.99	ug/l	# 17
44) Trichloroethene	7.22	130	5096	1.31	ug/l	99
60) Dibromochloromethane	9.34	129	19969	6.35	ug/l	# 11
64) Tetrachloroethene	9.34	164	24593	6.87	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	71034	26.94	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.14	75	71034	78.29	ug/l	# 10

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

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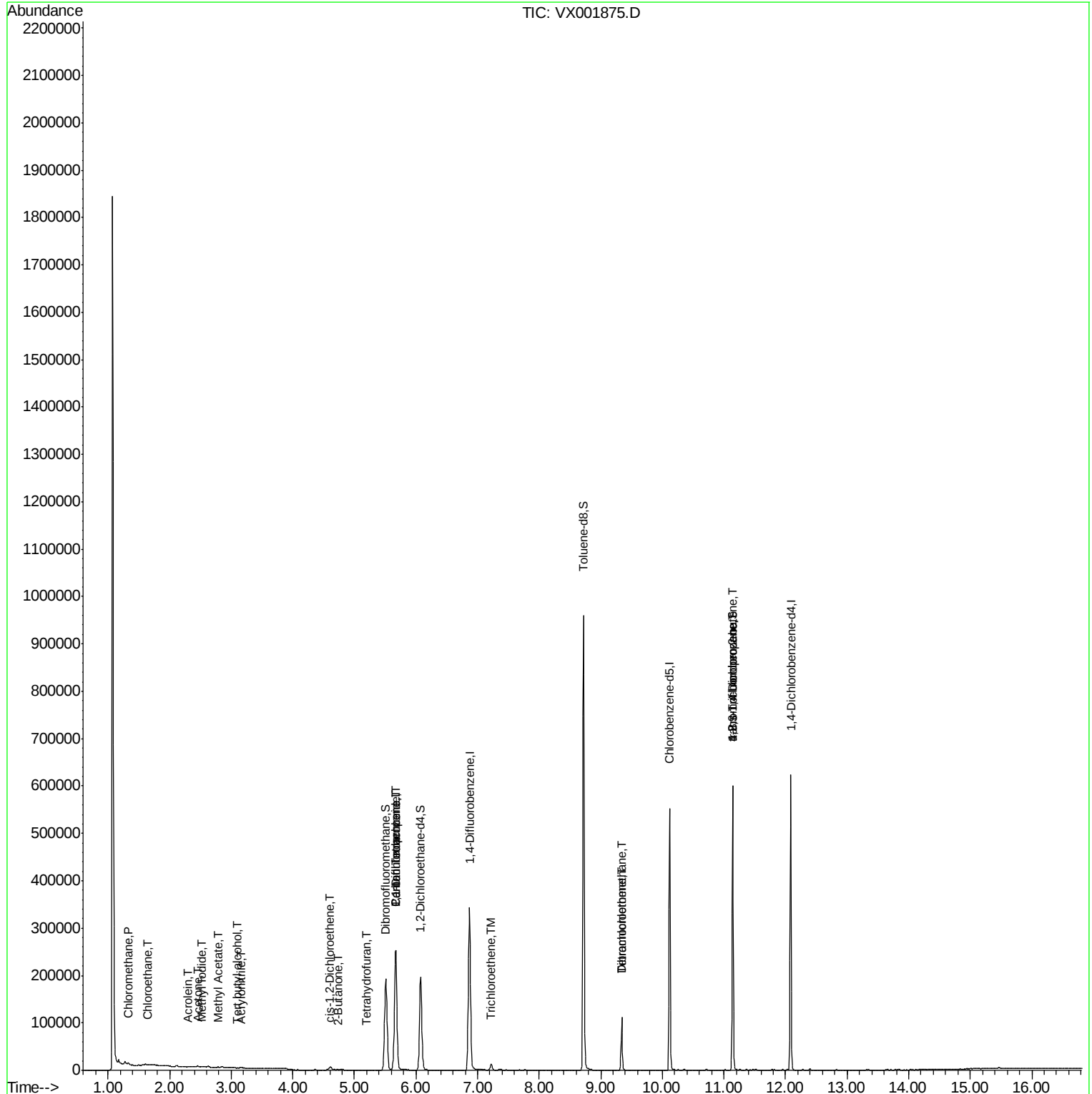
Quant Time: May 22 01:48:38 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

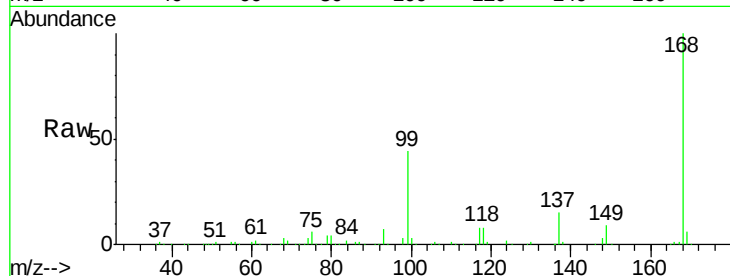
DUP-0457-180509RE

Tgt Ion:168 Resp: 279642

Ion Ratio Lower Upper

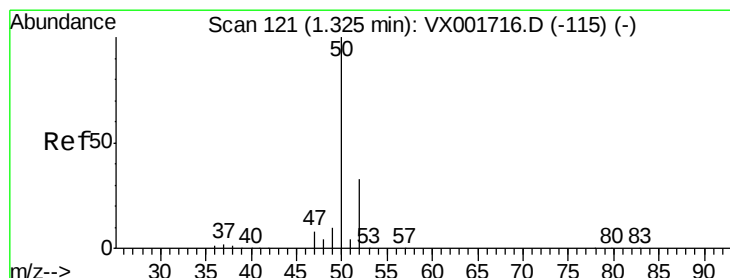
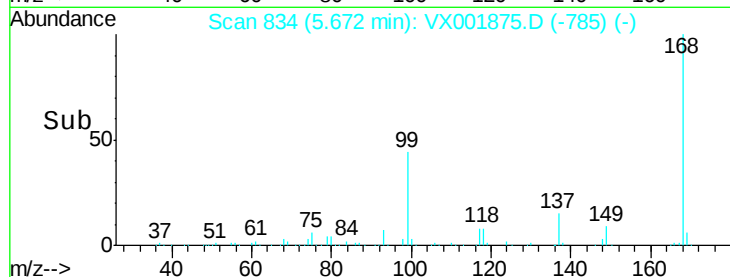
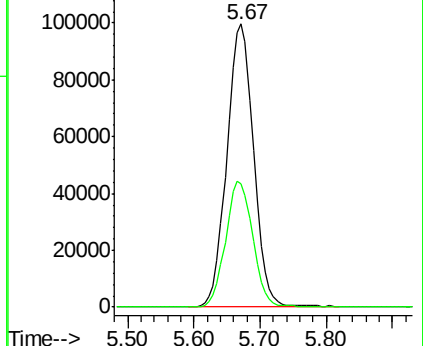
168 100

99 43.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001875.D

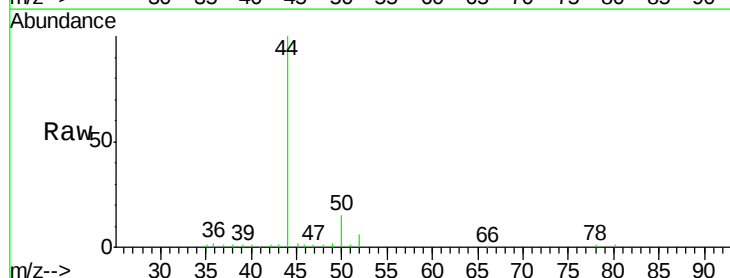
Acq: 21 May 2018 14:10

Tgt Ion: 50 Resp: 1869

Ion Ratio Lower Upper

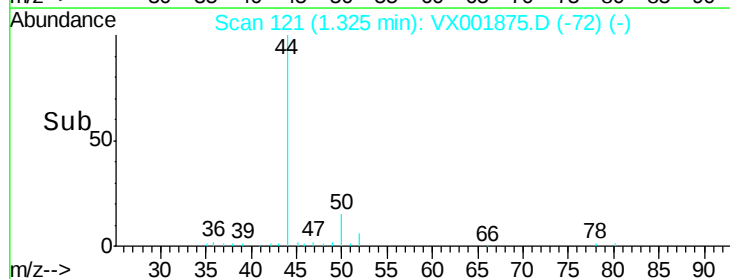
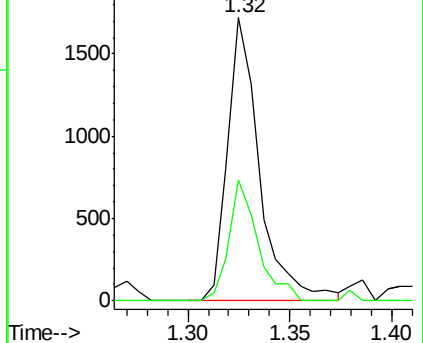
50 100

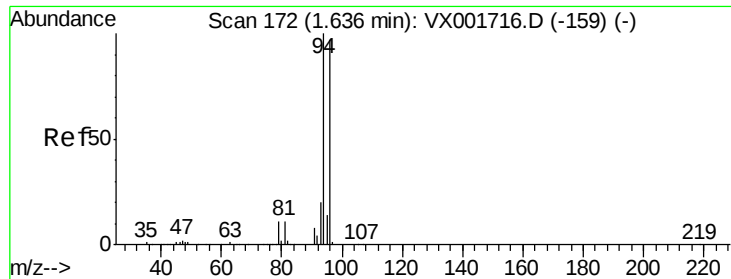
52 42.9 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

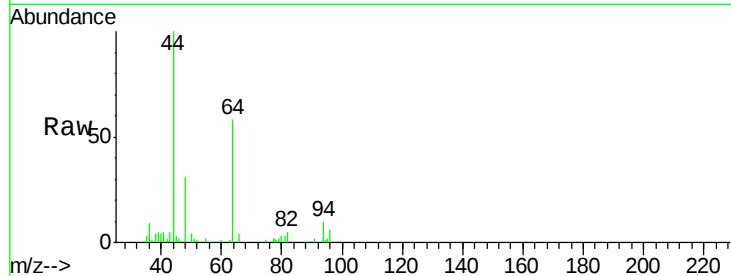
DUP-0457-180509RE

Tgt Ion: 94 Resp: 949

Ion Ratio Lower Upper

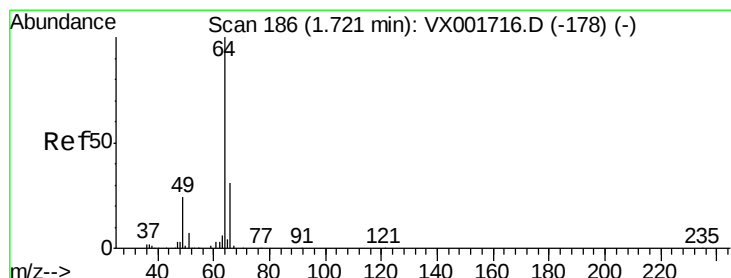
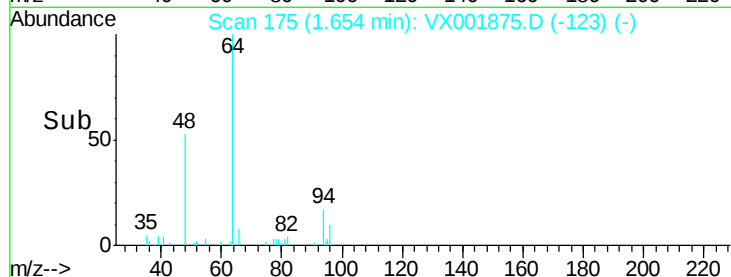
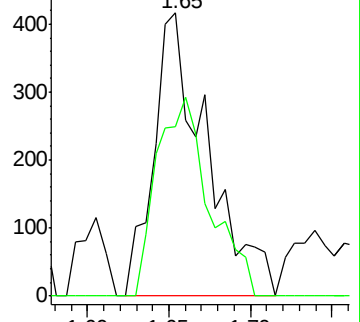
94 100

96 52.7 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 6.43 ug/l

RT: 1.65 min Scan# 175

Delta R.T. -0.07 min

Lab File: VX001875.D

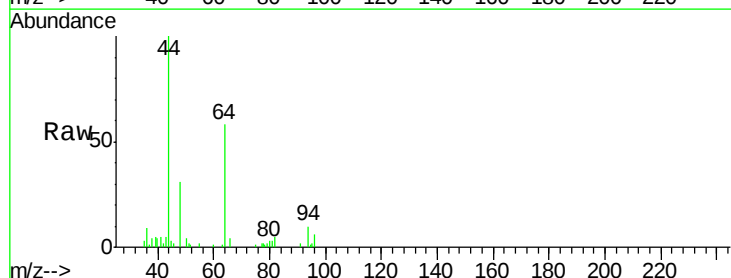
Acq: 21 May 2018 14:10

Tgt Ion: 64 Resp: 13278

Ion Ratio Lower Upper

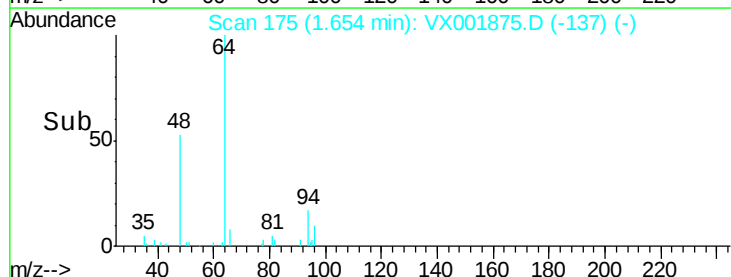
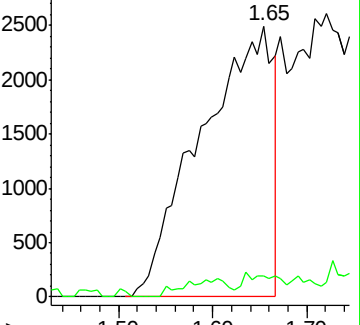
64 100

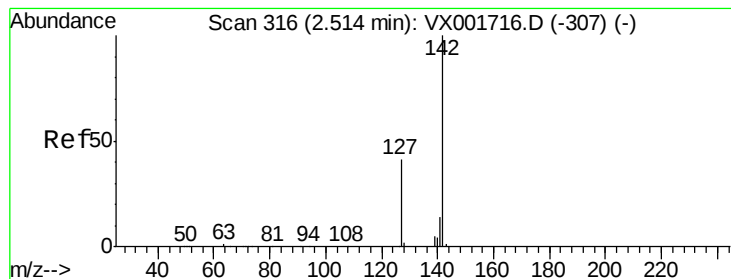
66 5.5 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.51 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

DUP-0457-180509RE

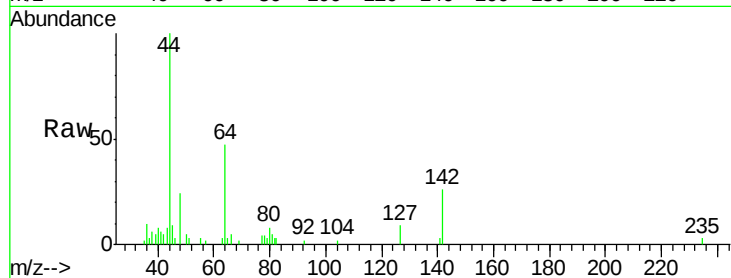
Tgt Ion:142 Resp: 1337

Ion Ratio Lower Upper

142 100

127 36.9 32.5 48.7

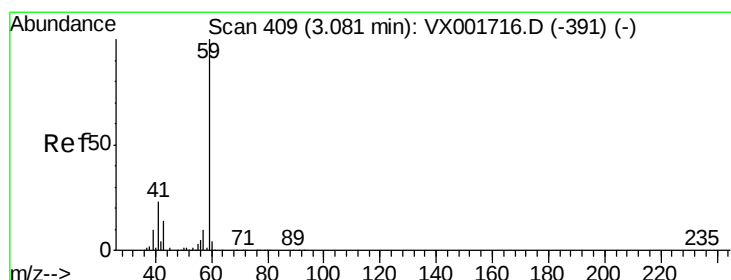
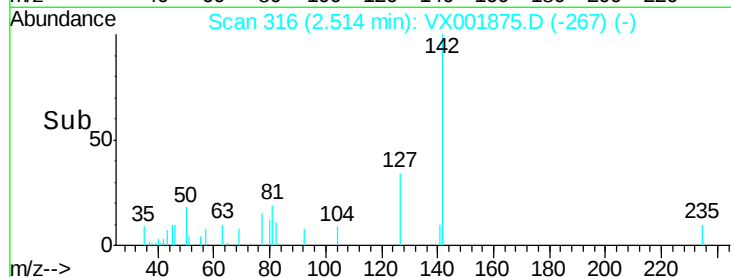
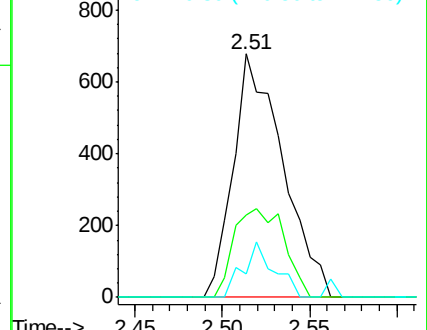
141 14.0 11.4 17.0



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



#11

Tert butyl alcohol

Concen: 0.30 ug/l

RT: 3.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VX001875.D

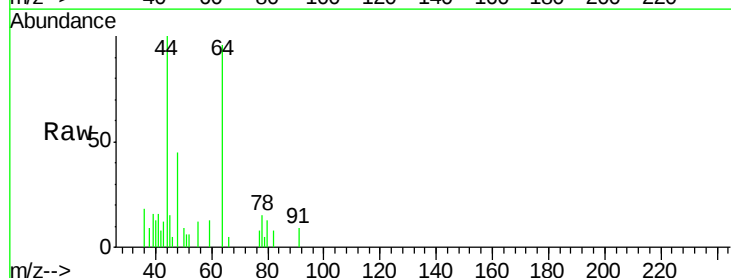
Acq: 21 May 2018 14:10

Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

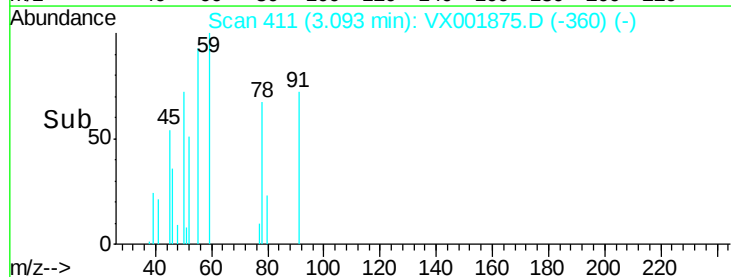
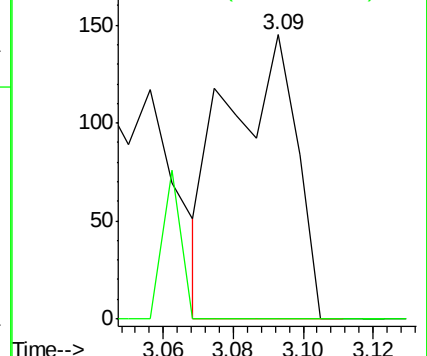
59 100

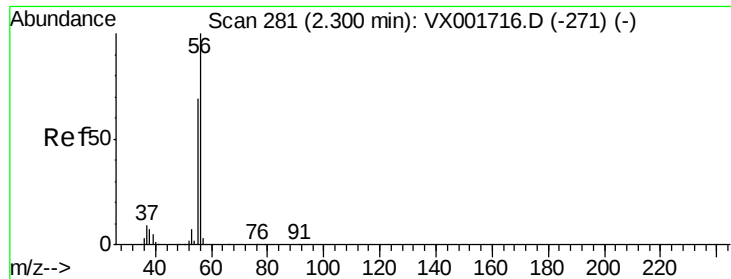
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

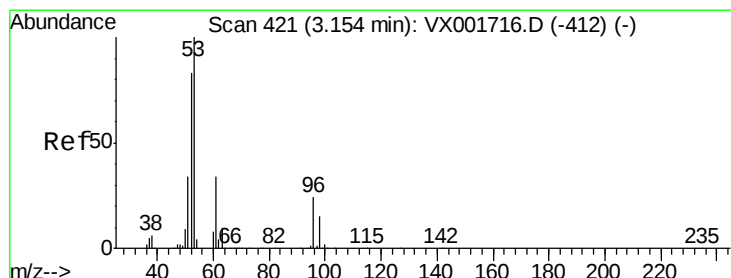
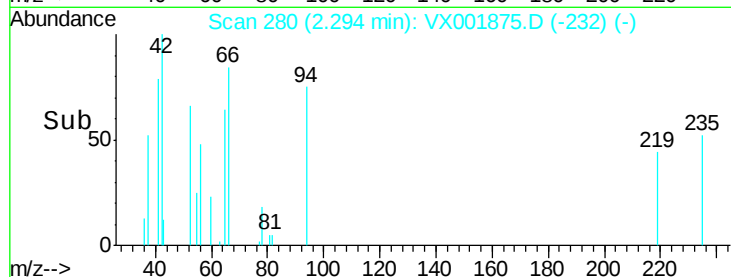
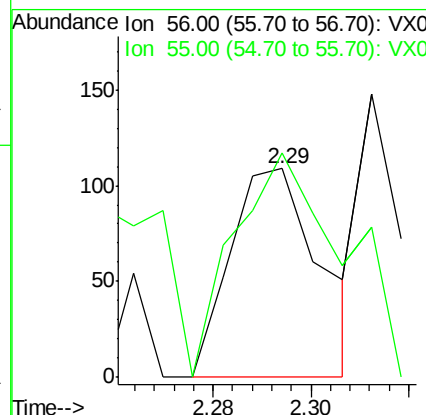
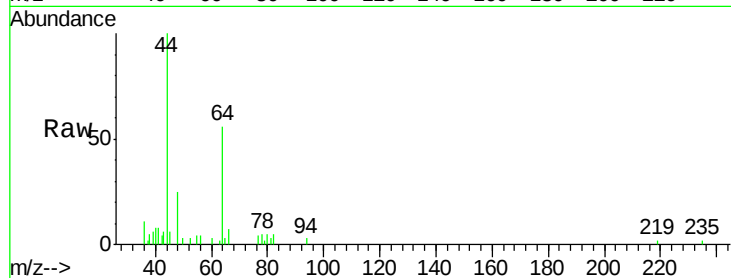




#13
Acrolein
Concen: 0.29 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

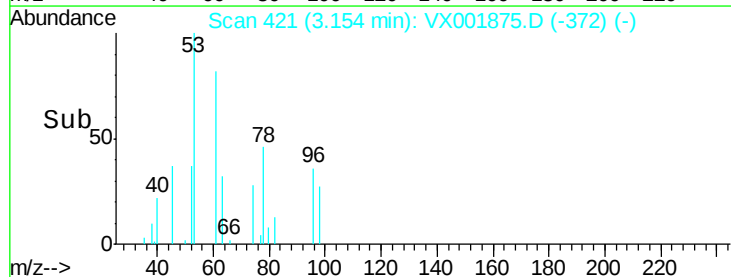
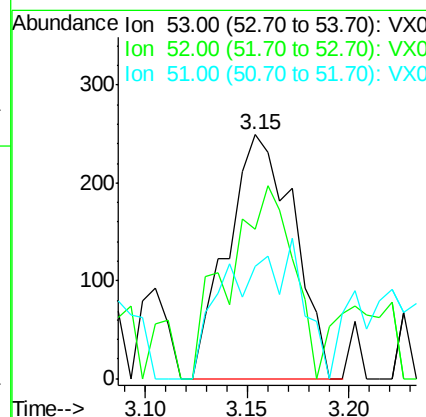
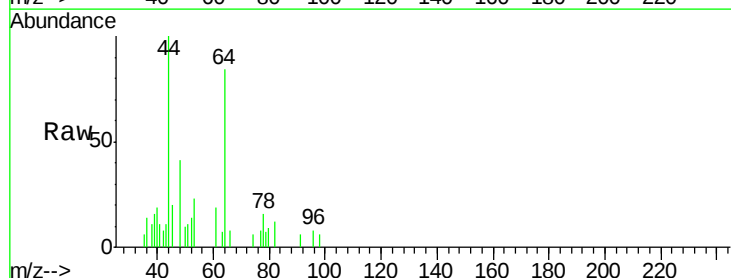
Instrument :
MSVOA_X
ClientSampleId :
DUP-0457-180509RE

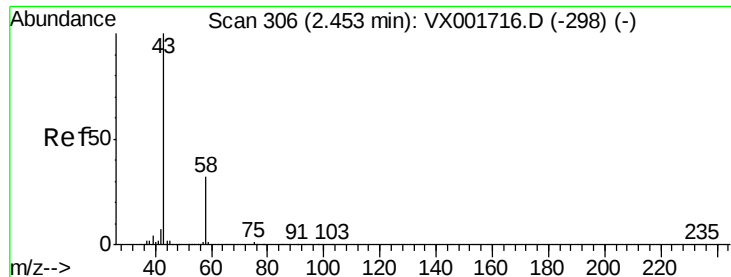
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 131.2 56.2 84.2#



#15
Acrylonitrile
Concen: 0.34 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

Tgt Ion: 53 Resp: 563
Ion Ratio Lower Upper
53 100
52 76.4 65.6 98.4
51 61.6 28.1 42.1#

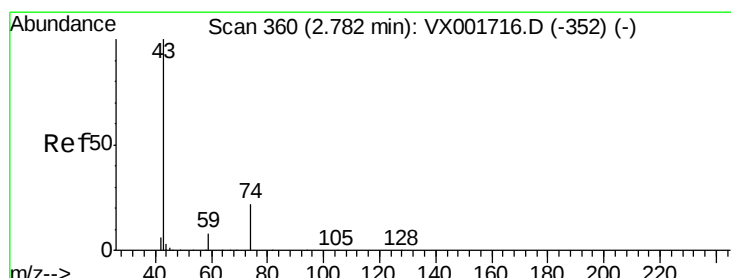
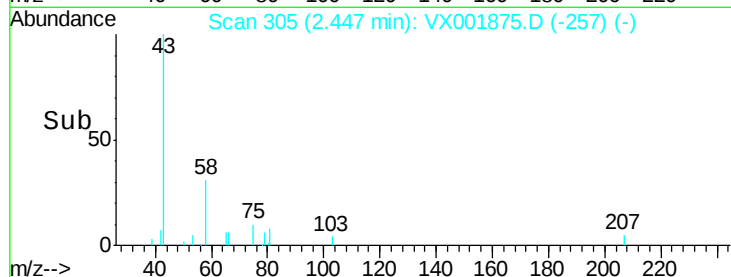
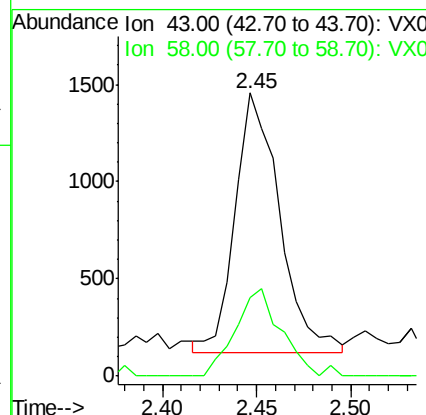
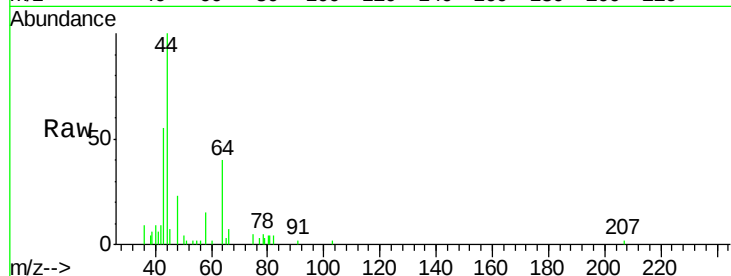




#16
Acetone
Concen: 1.50 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

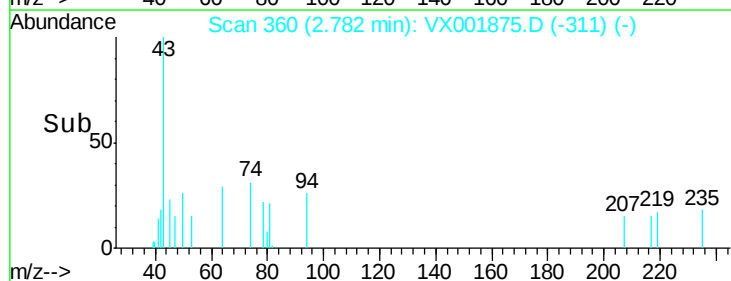
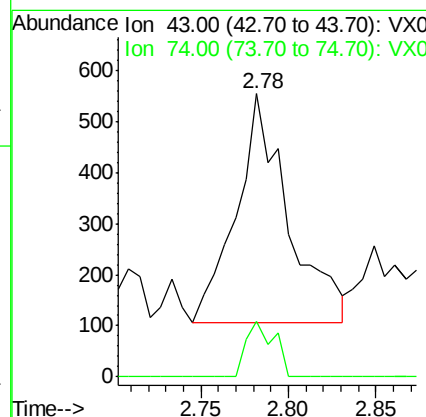
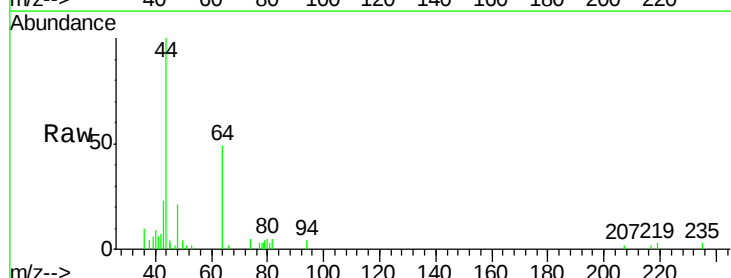
Instrument :
MSVOA_X
ClientSampleId :
DUP-0457-180509RE

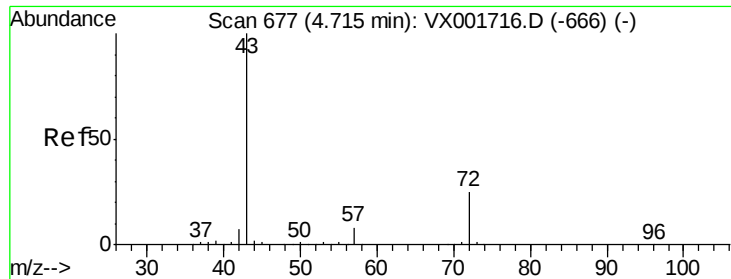
Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
58 31.5 25.3 37.9



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
74 13.0 18.2 27.2#





#25

2-Butanone

Concen: 0.48 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

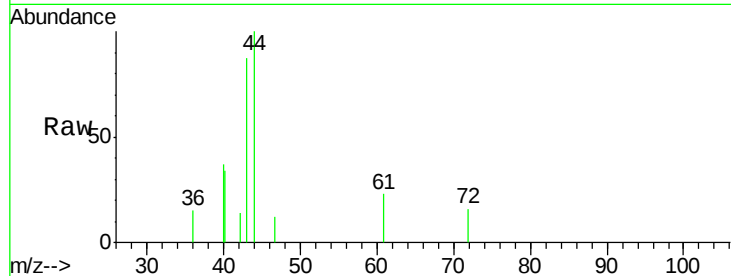
DUP-0457-180509RE

Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

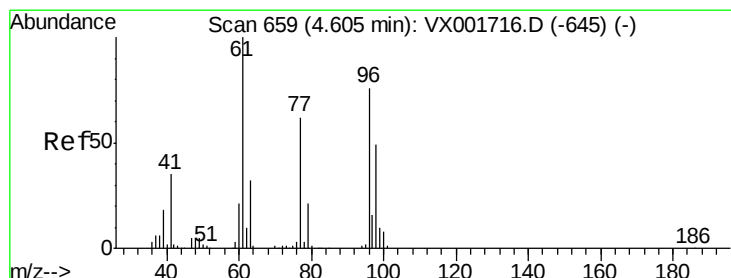
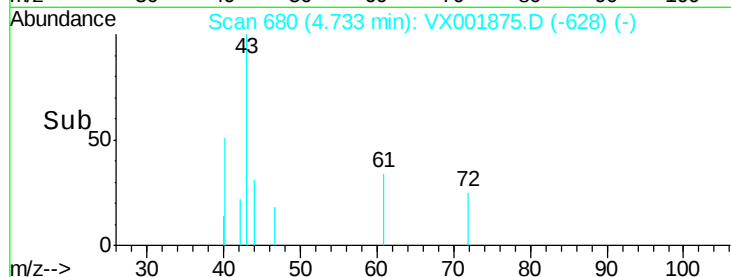
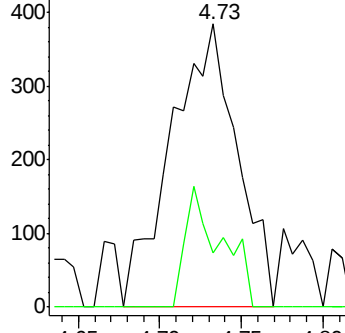
43 100

72 19.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.08 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

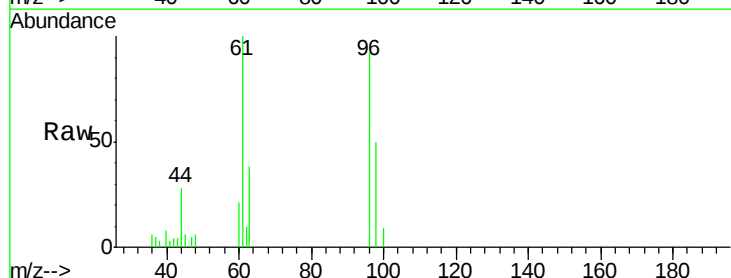
Tgt Ion: 96 Resp: 3745

Ion Ratio Lower Upper

96 100

61 238.0 0.0 280.4

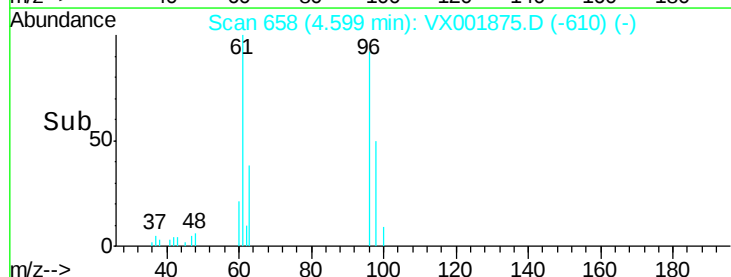
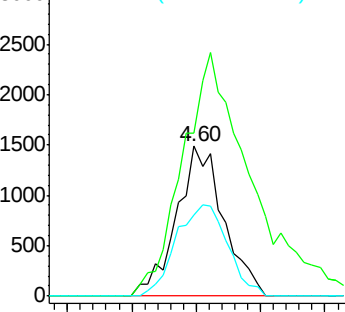
98 66.9 0.0 128.4

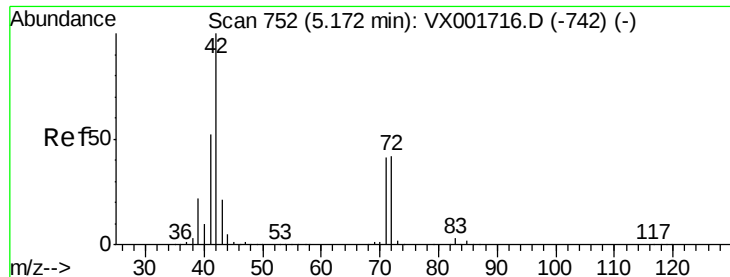


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

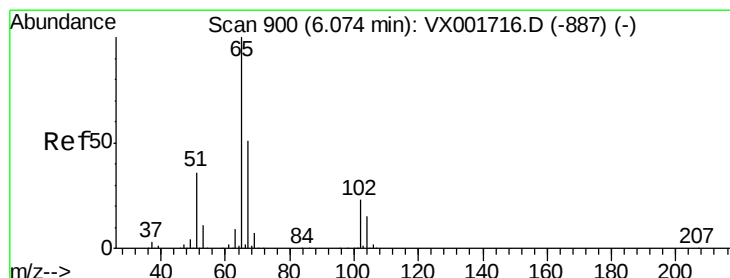
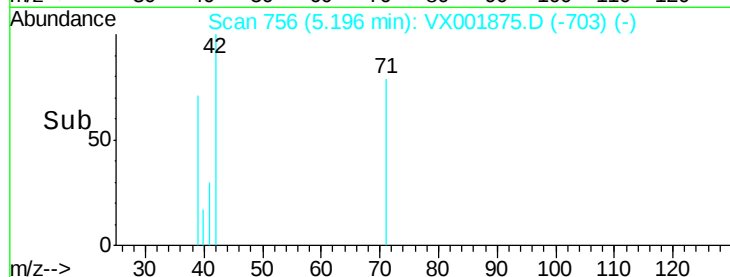
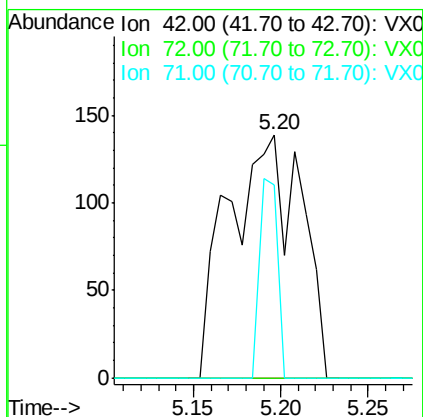
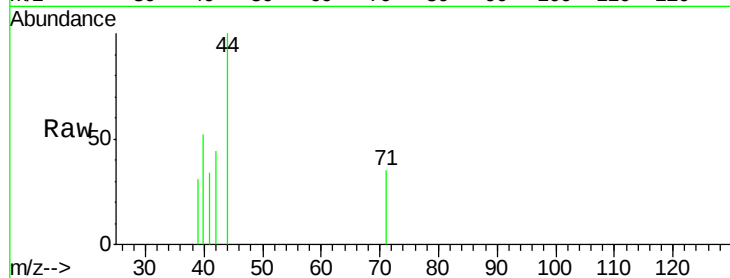




#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

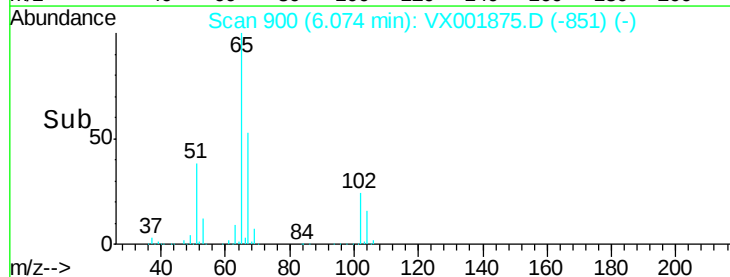
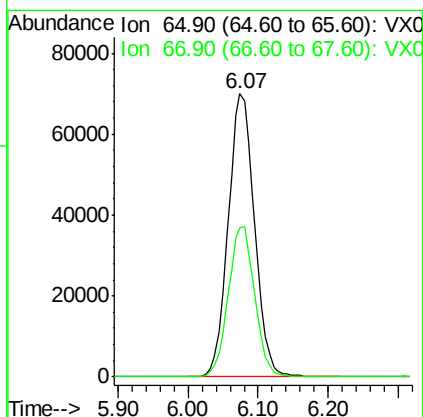
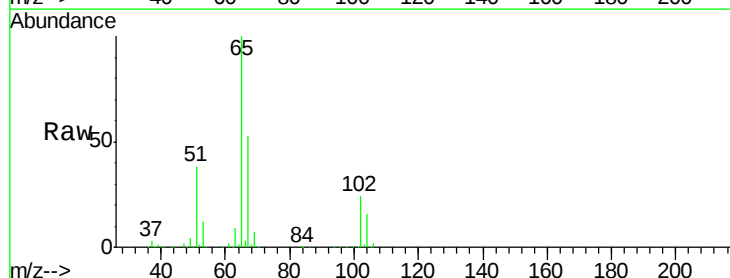
Instrument :
MSVOA_X
ClientSampleId :
DUP-0457-180509RE

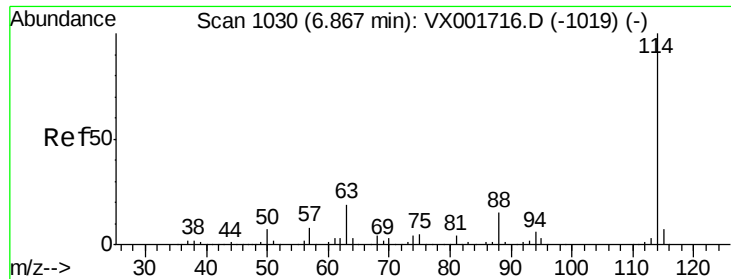
Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 20.4 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 48.67 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

Tgt Ion: 65 Resp: 182444
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

DUP-0457-180509RE

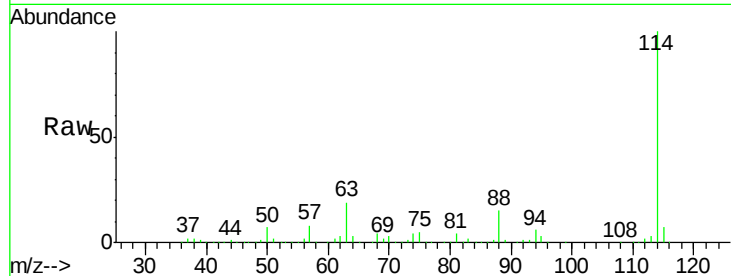
Tgt Ion:114 Resp: 368840

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

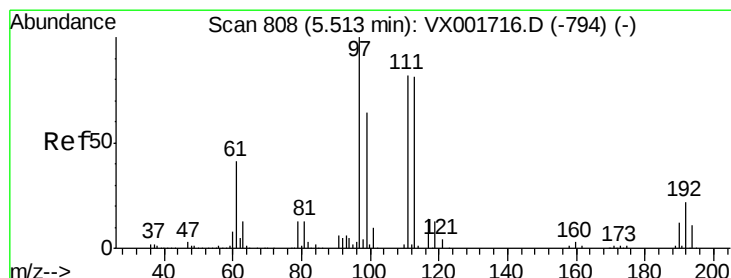
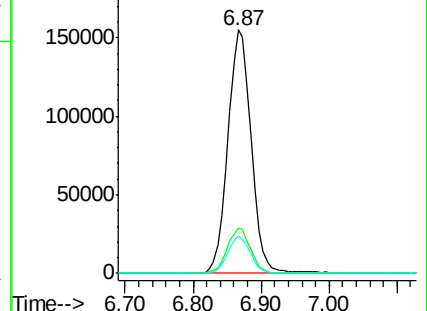
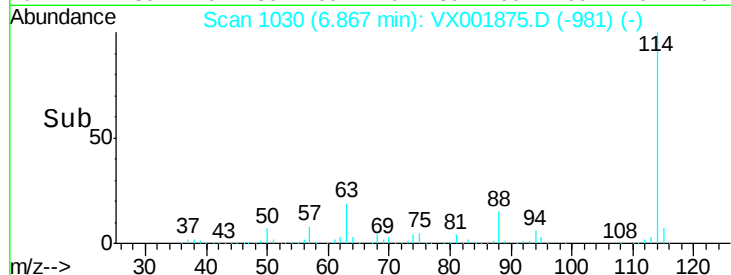
88 15.2 0.0 29.8



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: 52.51 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

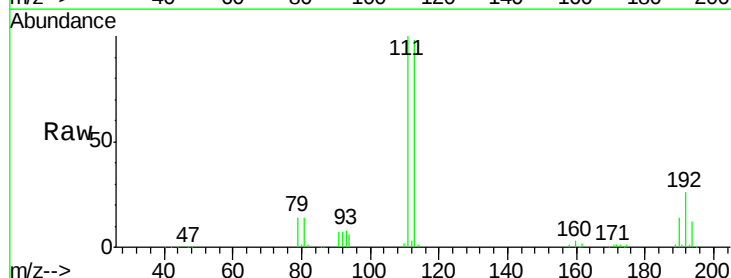
Tgt Ion:113 Resp: 163449

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

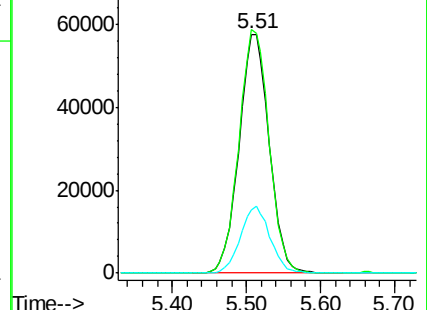
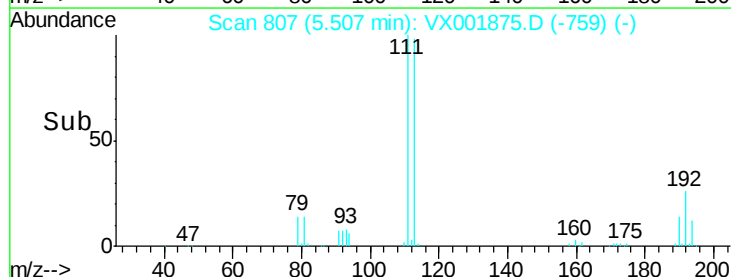
192 27.5 21.6 32.4

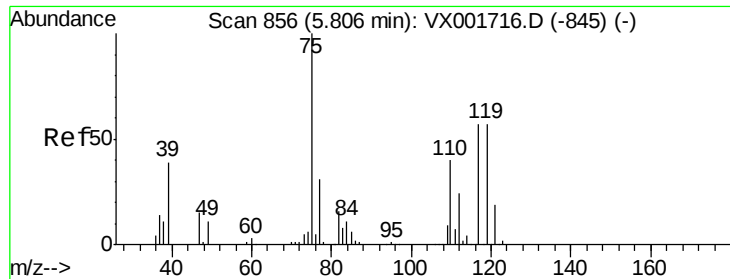


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

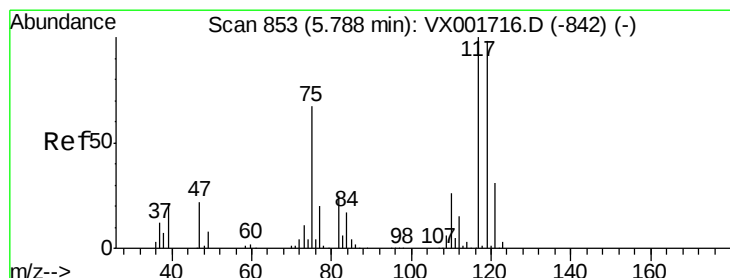
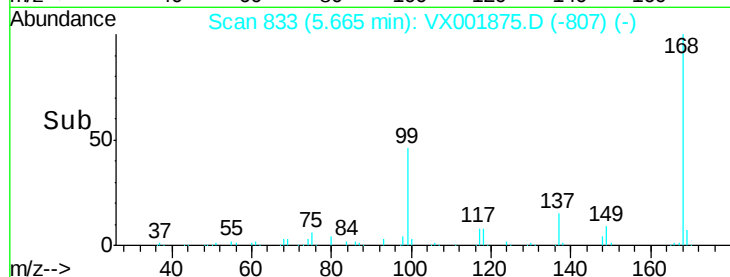
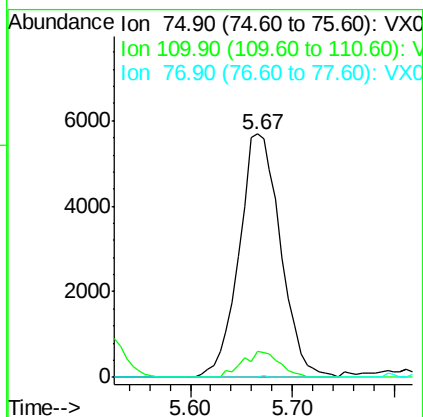
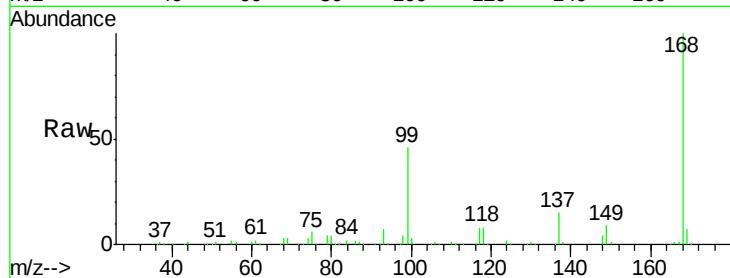




#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001875.D
 Acq: 21 May 2018 14:10

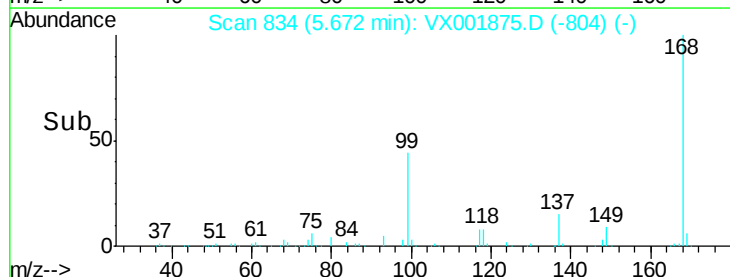
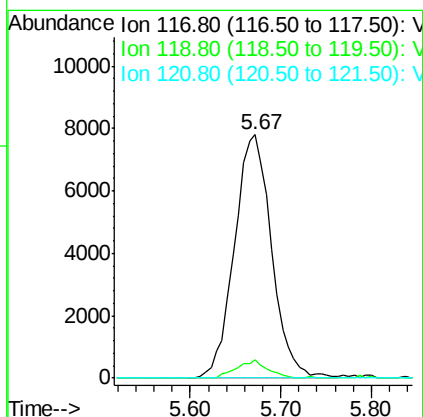
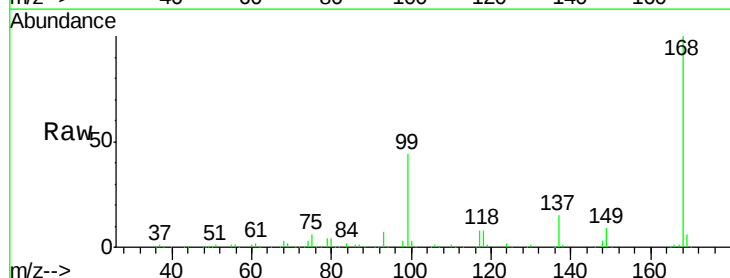
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0457-180509RE

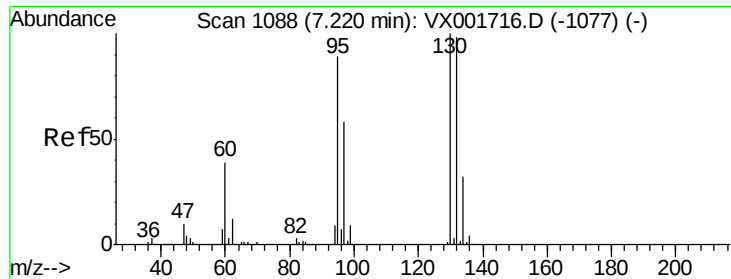
Tgt Ion: 75 Resp: 16038
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.1 57.1#
 77 0.1 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 4.99 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001875.D
 Acq: 21 May 2018 14:10

Tgt Ion: 117 Resp: 22207
 Ion Ratio Lower Upper
 117 100
 119 7.3 77.6 116.4#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 1.31 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

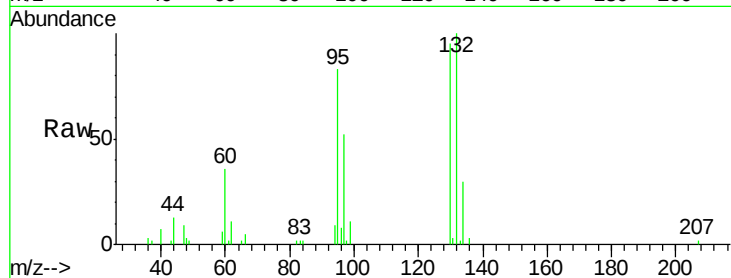
DUP-0457-180509RE

Tgt Ion:130 Resp: 5096

Ion Ratio Lower Upper

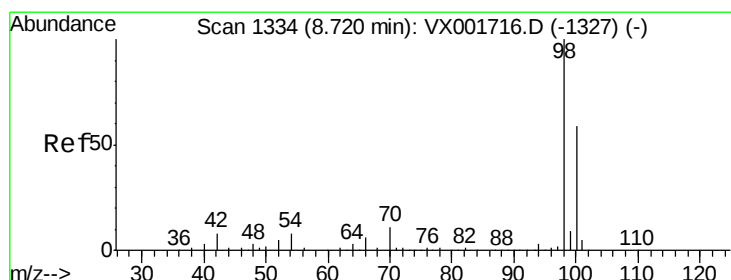
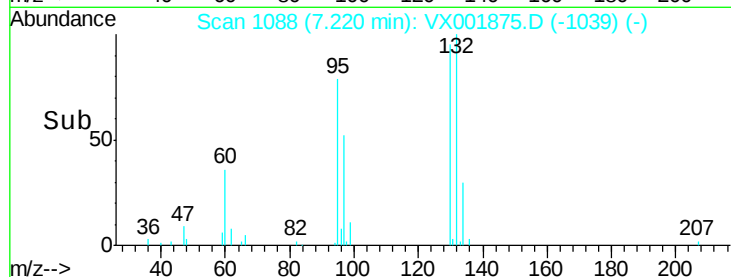
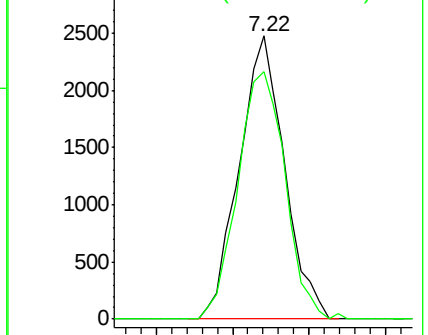
130 100

95 87.6 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001875.D

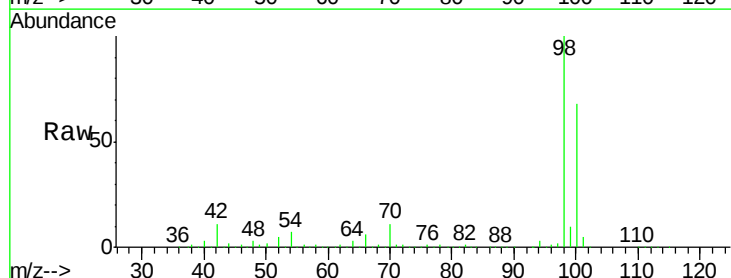
Acq: 21 May 2018 14:10

Tgt Ion: 98 Resp: 567787

Ion Ratio Lower Upper

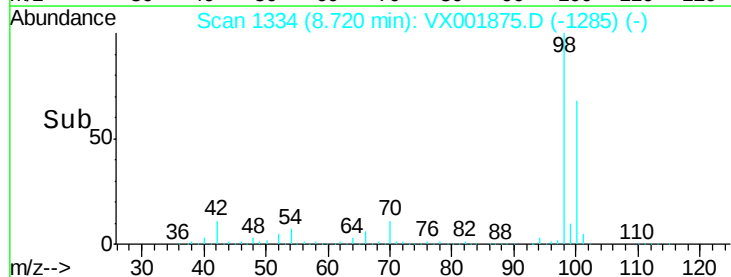
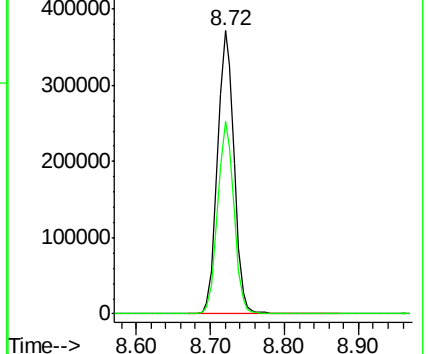
98 100

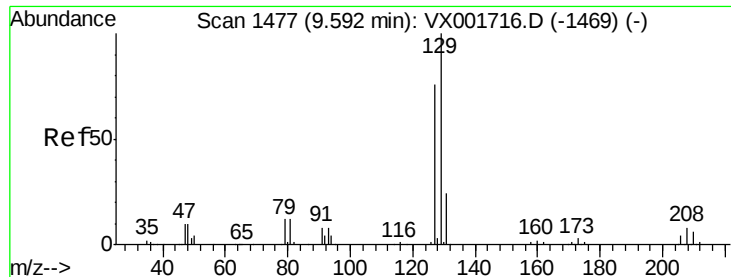
100 66.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 6.35 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

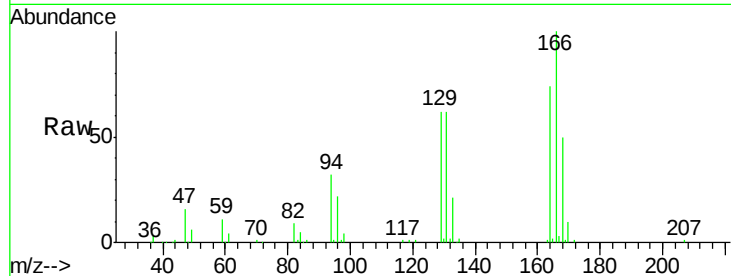
DUP-0457-180509RE

Tgt Ion:129 Resp: 19969

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

15000

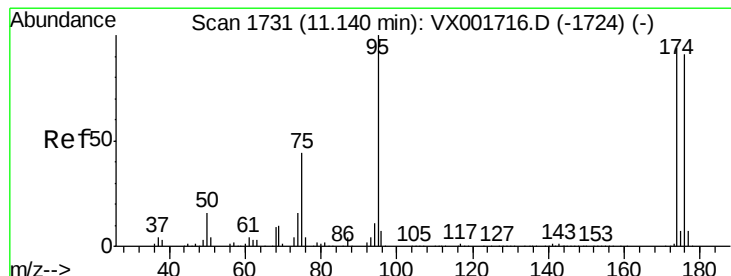
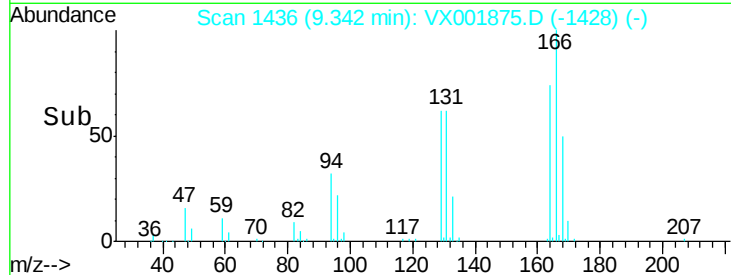
10000

5000

0

Time-->

9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 38.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

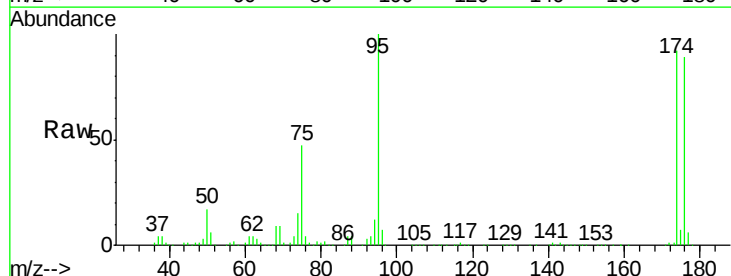
Tgt Ion: 95 Resp: 153359

Ion Ratio Lower Upper

95 100

174 103.7 0.0 201.8

176 99.9 0.0 196.8



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

150000

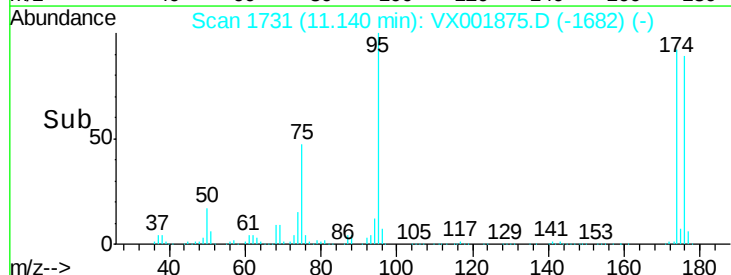
100000

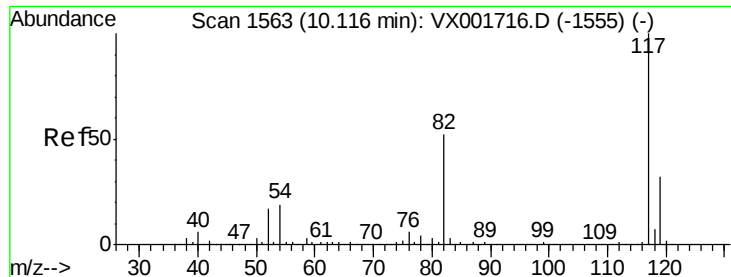
50000

0

Time-->

11.10 11.20

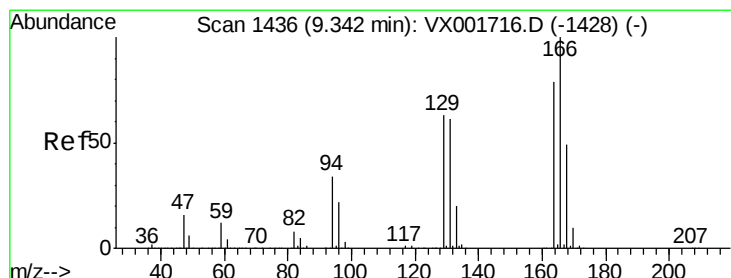
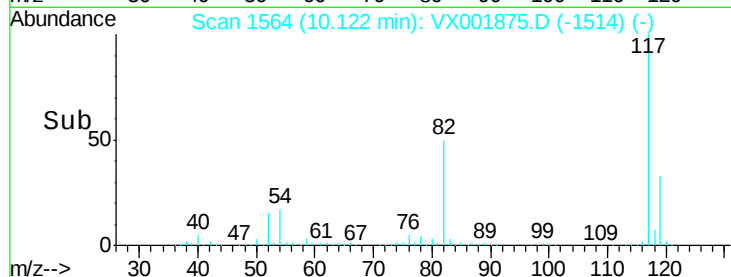
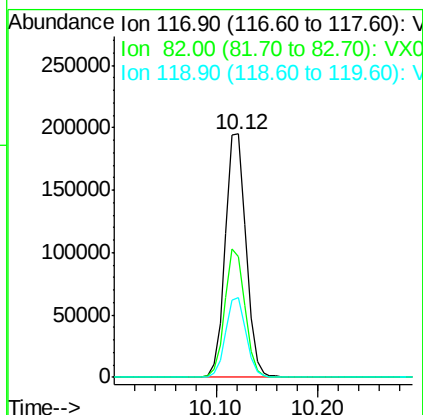
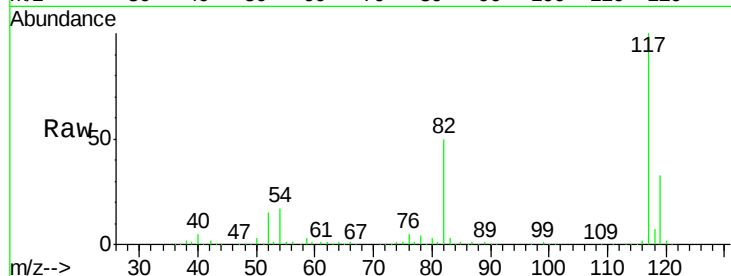




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

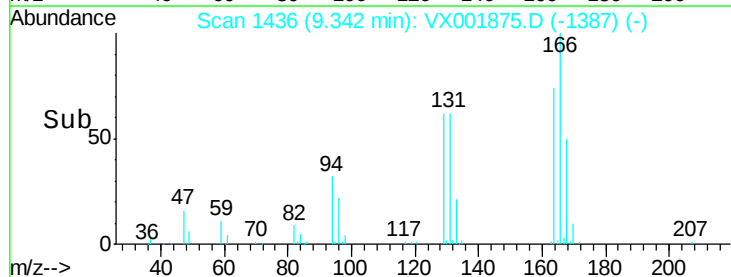
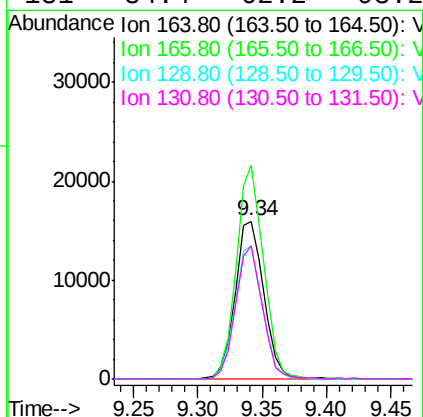
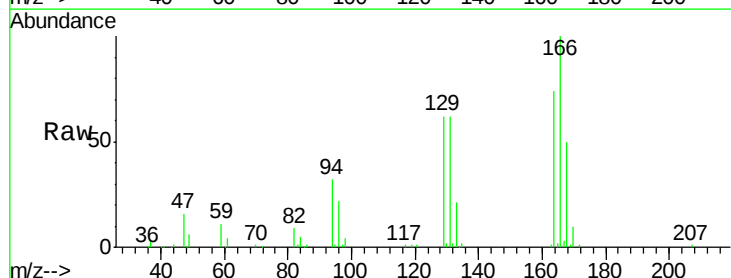
Instrument :
MSVOA_X
ClientSampleId :
DUP-0457-180509RE

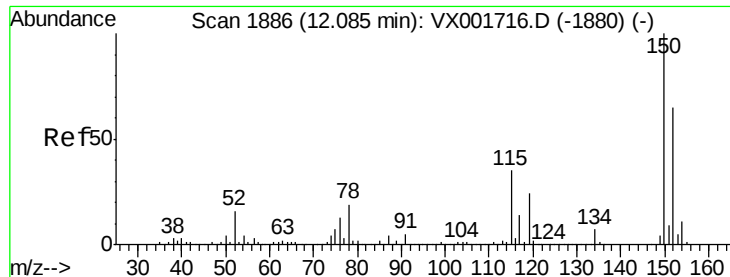
Tgt Ion:117 Resp: 274854
Ion Ratio Lower Upper
117 100
82 49.7 41.4 62.2
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 6.87 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001875.D
Acq: 21 May 2018 14:10

Tgt Ion:164 Resp: 24593
Ion Ratio Lower Upper
164 100
166 135.6 101.8 152.8
129 84.7 63.8 95.6
131 84.4 62.2 93.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

DUP-0457-180509RE

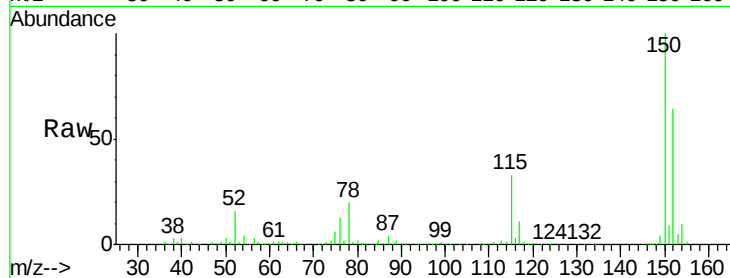
Tgt Ion:152 Resp: 138651

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

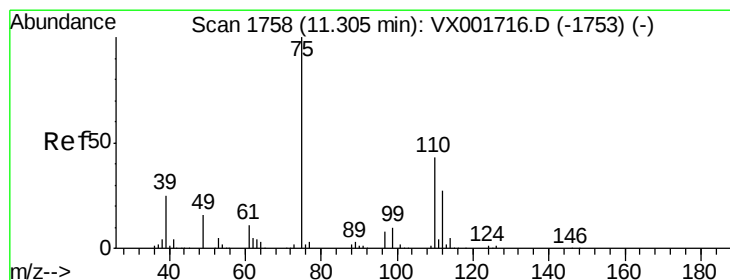
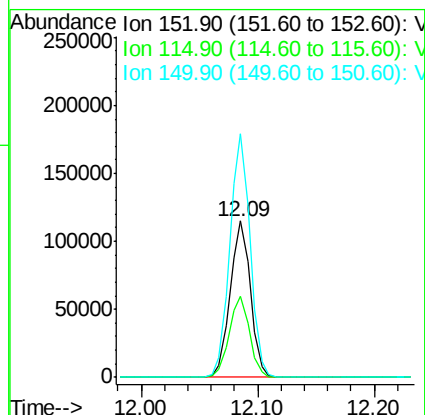
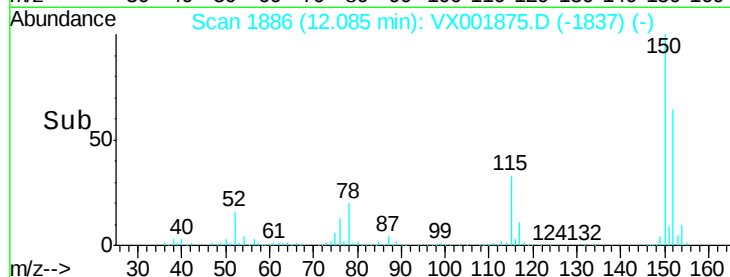
150 155.7 0.0 344.8



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: 26.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001875.D

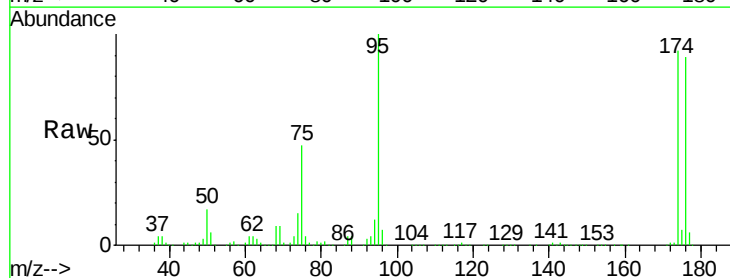
Acq: 21 May 2018 14:10

Tgt Ion: 75 Resp: 71034

Ion Ratio Lower Upper

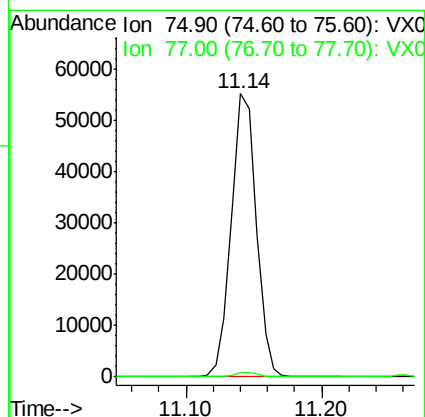
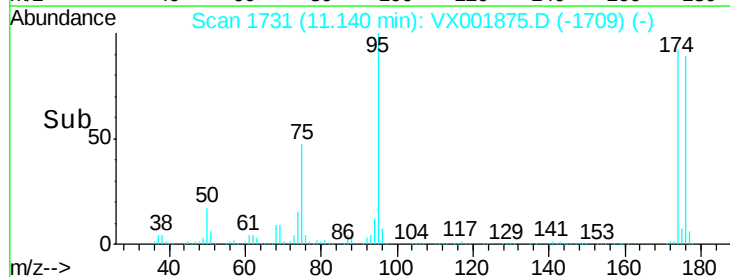
75 100

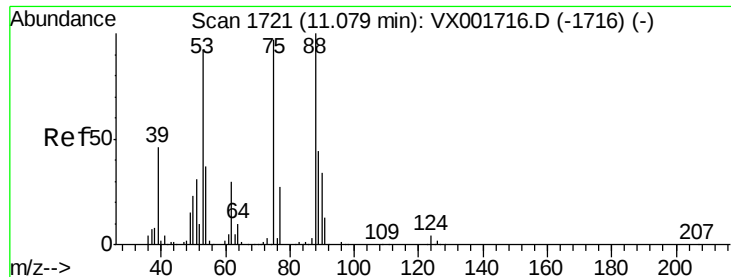
77 1.5 18.9 56.7#



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: 78.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001875.D

Acq: 21 May 2018 14:10

Instrument :

MSVOA_X

ClientSampleId :

DUP-0457-180509RE

Tgt Ion: 75 Resp: 71034

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.2#

89 0.0 38.8 58.2#

