

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003083.D
 Acq On : 30 Jun 2018 17:10
 Operator : JC/MD
 Sample : J3716-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0038

Quant Time: Jul 02 02:43:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194738	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	173303	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.52%		
35) Dibromofluoromethane	5.51	113	142917	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.66%		
50) Toluene-d8	8.72	98	515162	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.40%		
62) 4-Bromofluorobenzene	11.14	95	181903	44.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.26%		

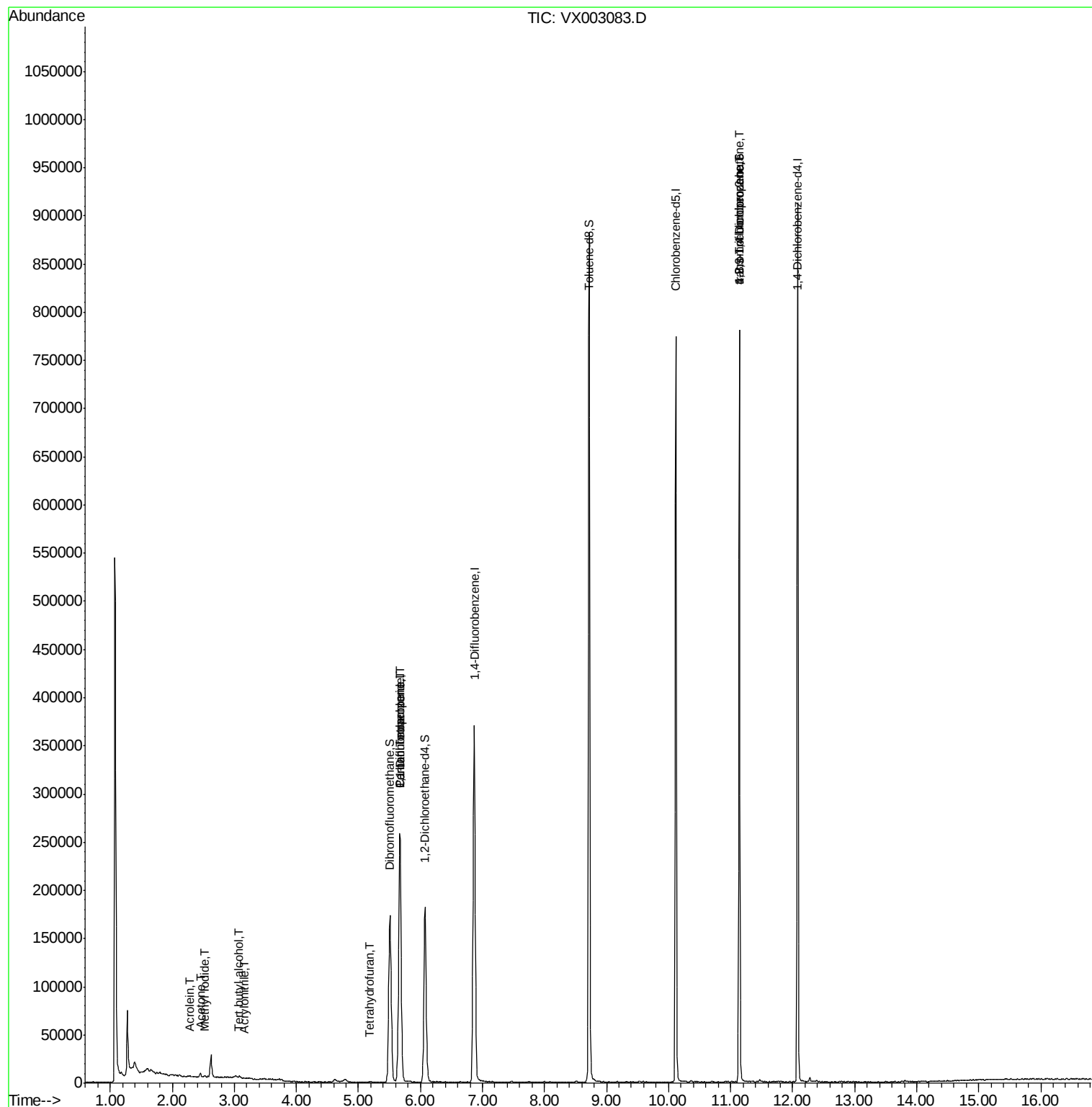
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	118	Below Cal	#	43
3) Chloromethane	1.32	50	570	Below Cal	#	68
5) Bromomethane	1.66	94	1760	Below Cal		86
6) Chloroethane	1.75	64	749	Below Cal	#	59
10) Methyl Iodide	2.53	142	1715	6.73	ug/l	92
11) Tert butyl alcohol	3.07	59	2854	3.91	ug/l #	67
13) Acrolein	2.27	56	155	4.61	ug/l	95
15) Acrylonitrile	3.17	53	334	0.21	ug/l #	42
16) Acetone	2.45	43	4842	3.19	ug/l	94
29) Tetrahydrofuran	5.18	42	317	0.22	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	17451	4.31	ug/l #	51
38) Carbon Tetrachloride	5.67	117	24084	5.41	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	93537	26.52	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	93537	75.13	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

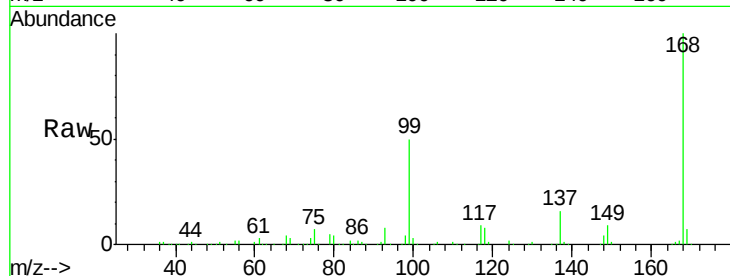
S22-0038

Tot Ion:168 Resp: 265286

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

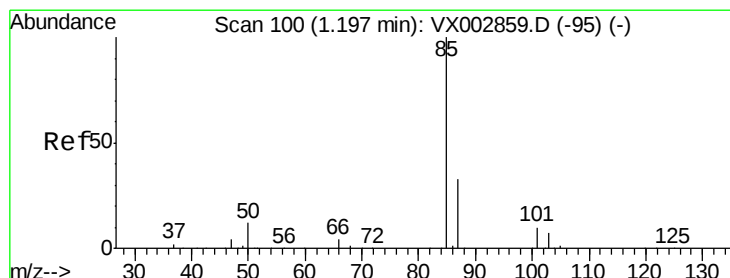
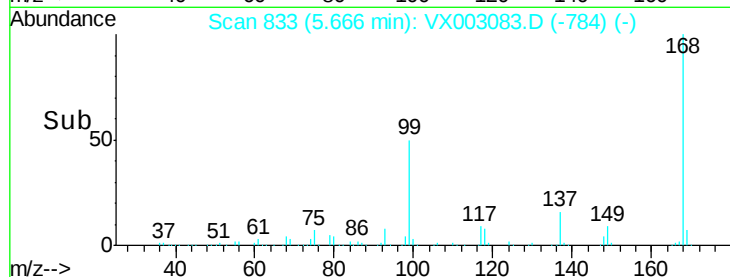
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003083.D

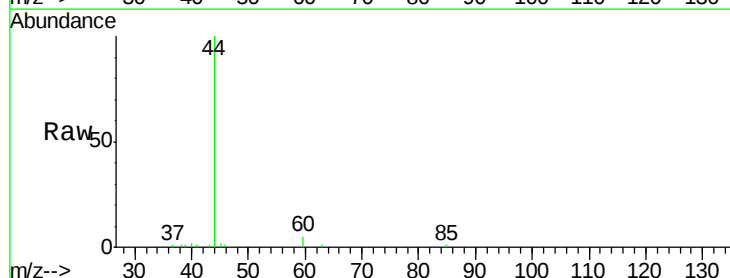
Acq: 30 Jun 2018 17:10

Tgt Ion: 85 Resp: 118

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100

80

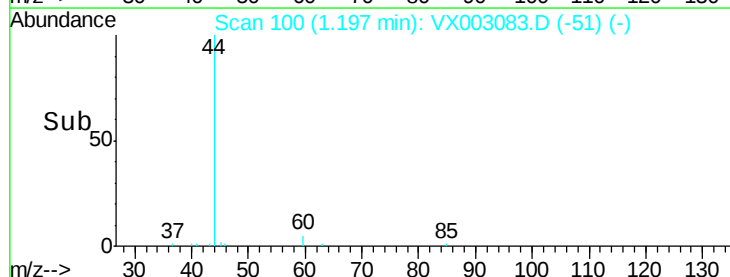
60

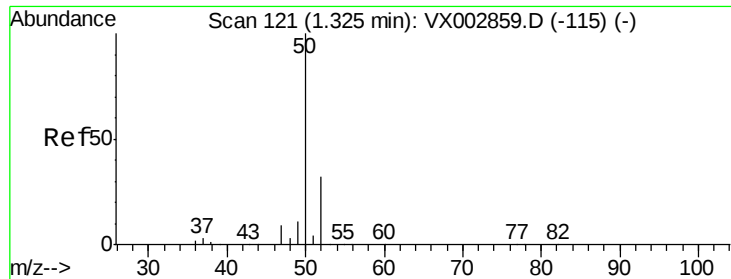
40

20

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

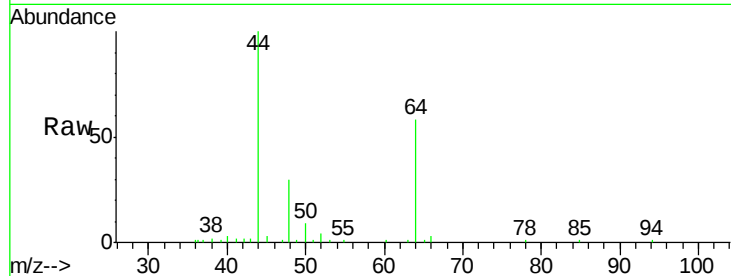
S22-0038

Tot Ion: 50 Resp: 570

Ion Ratio Lower Upper

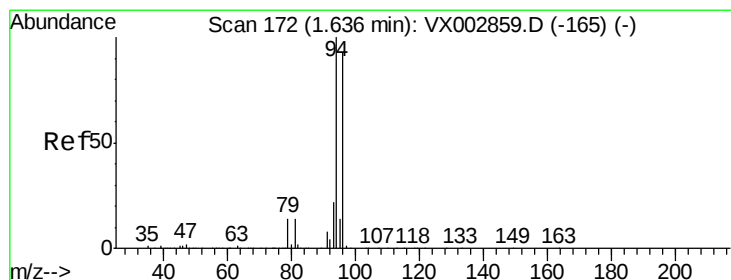
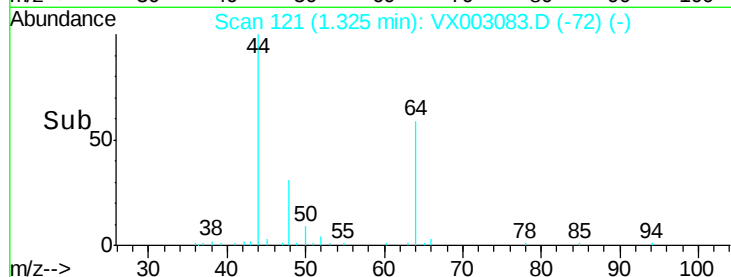
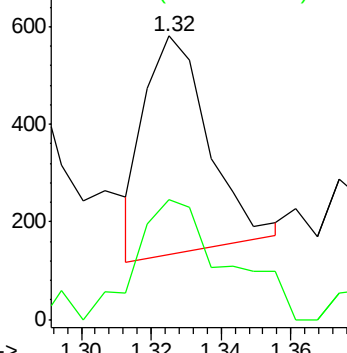
50 100

52 50.0 25.7 38.5#



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: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003083.D

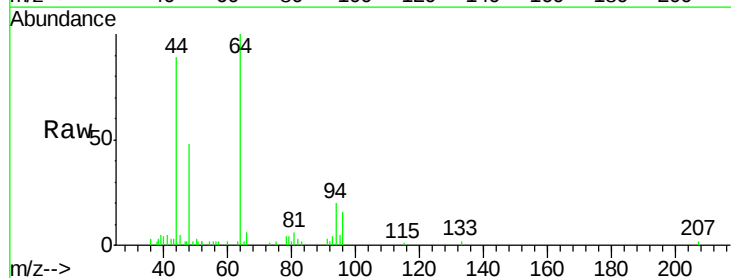
Acq: 30 Jun 2018 17:10

Tgt Ion: 94 Resp: 1760

Ion Ratio Lower Upper

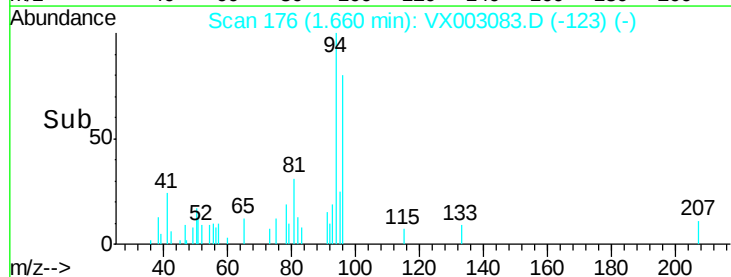
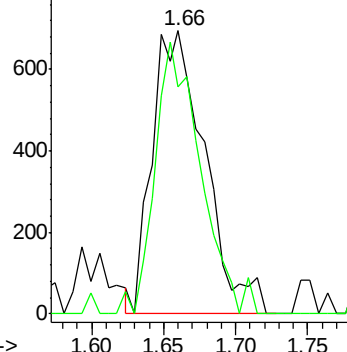
94 100

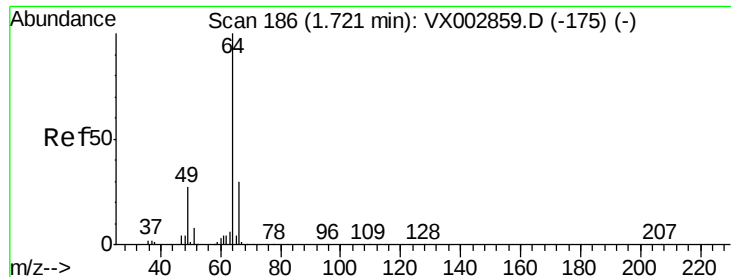
96 80.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

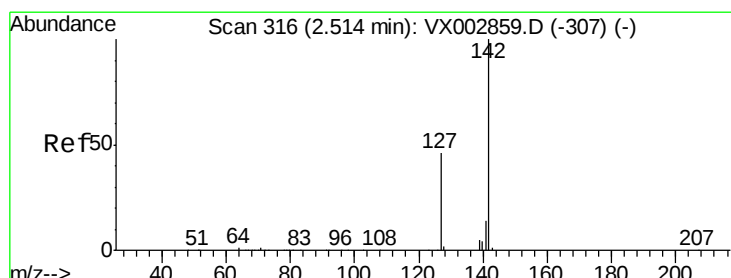
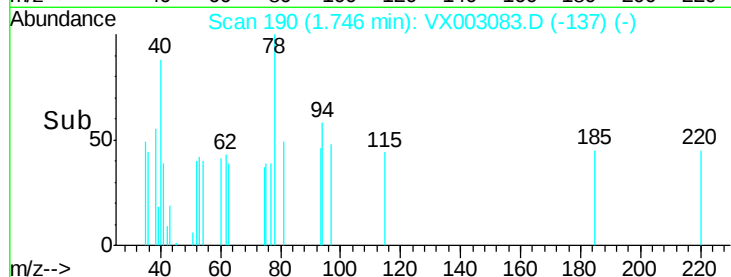
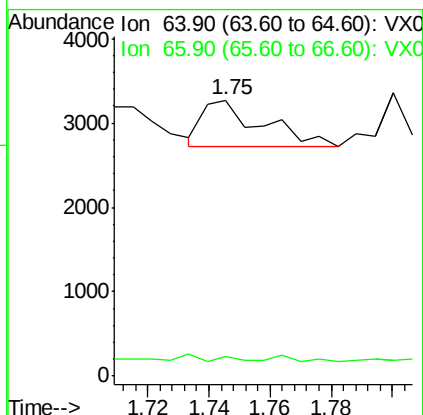
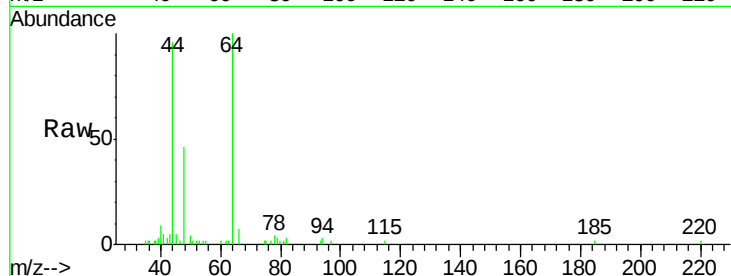
S22-0038

Tot Ion: 64 Resp: 749

Ion Ratio Lower Upper

64 100

66 8.8 25.5 38.3#



#10

Methyl Iodide

Concen: 6.73 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

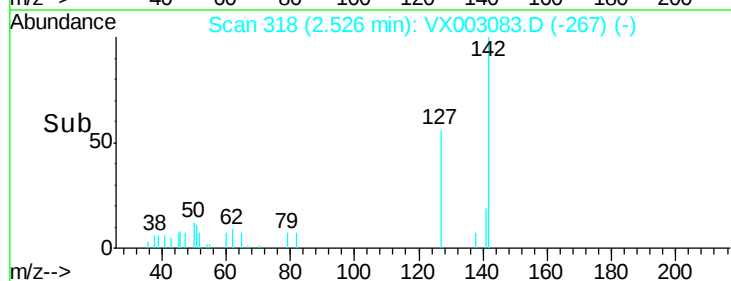
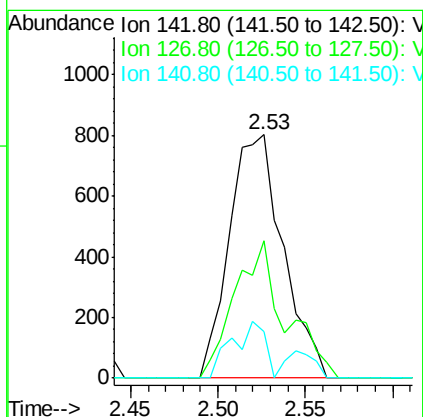
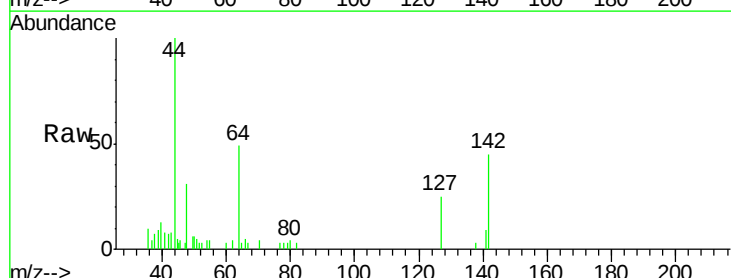
Tgt Ion:142 Resp: 1715

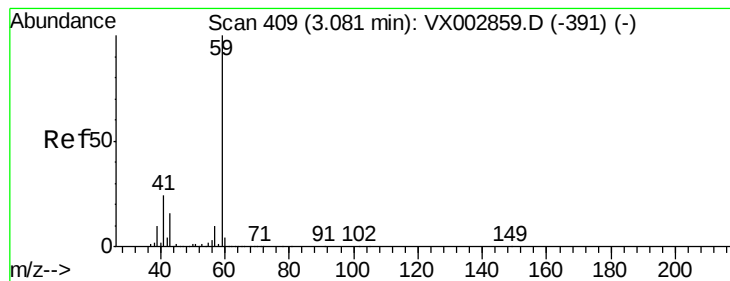
Ion Ratio Lower Upper

142 100

127 53.0 36.6 55.0

141 14.3 11.3 16.9



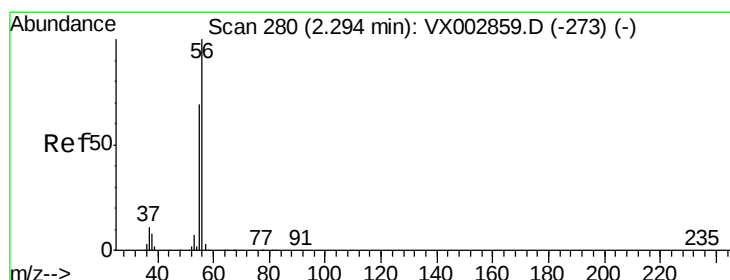
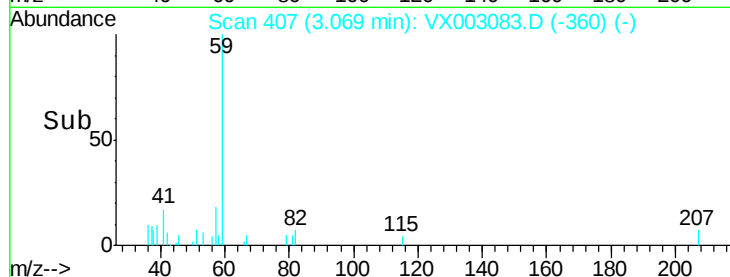
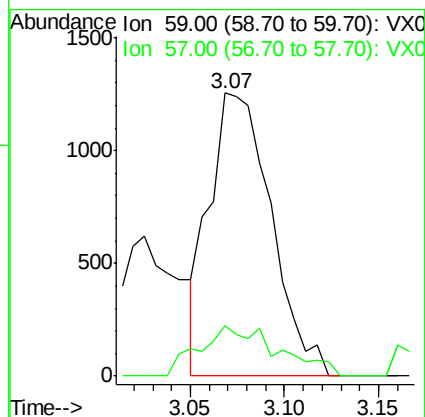
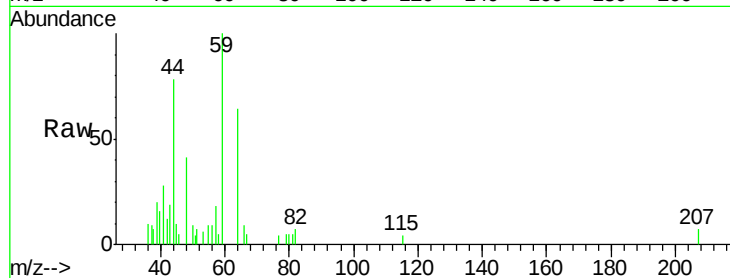


#11

Tert butyl alcohol
 Concen: 3.91 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003083.D
 Acq: 30 Jun 2018 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0038

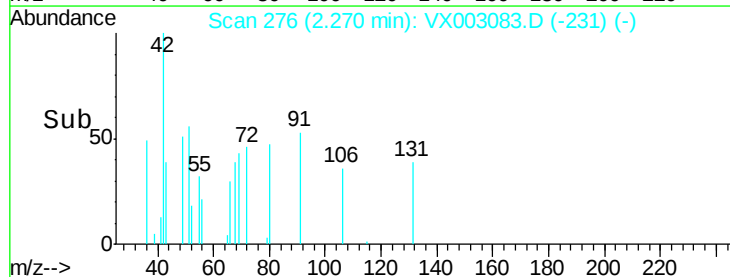
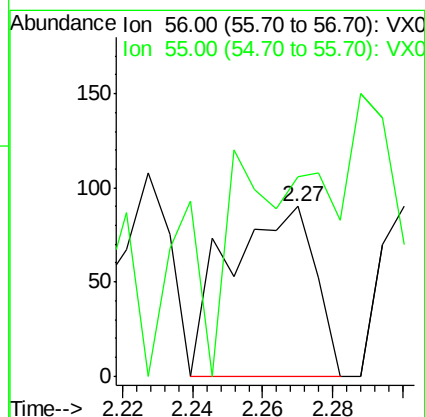
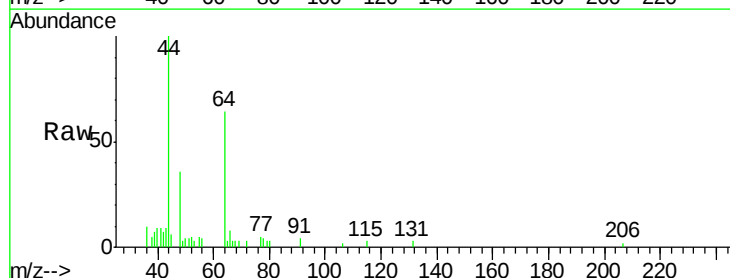
Tot Ion: 59 Resp: 2854
 Ion Ratio Lower Upper
 59 100
 57 22.6 8.2 12.2#

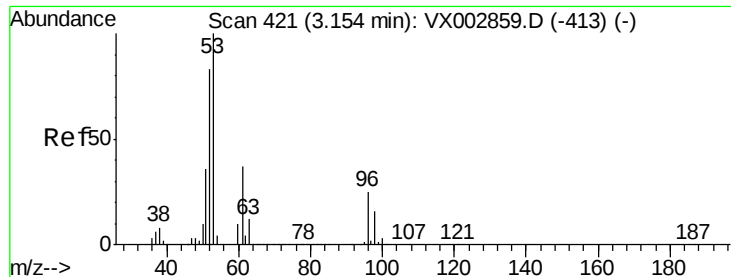


#13

Acrolein
 Concen: 4.61 ug/l
 RT: 2.27 min Scan# 276
 Delta R.T. -0.02 min
 Lab File: VX003083.D
 Acq: 30 Jun 2018 17:10

Tgt Ion: 56 Resp: 155
 Ion Ratio Lower Upper
 56 100
 55 75.5 57.0 85.4





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

S22-0038

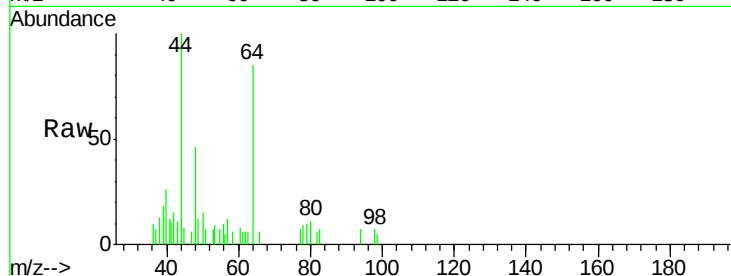
Tot Ion: 53 Resp: 334

Ion Ratio Lower Upper

53 100

52 8.1 66.7 100.1#

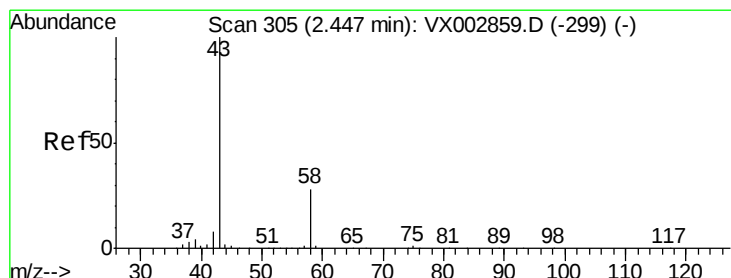
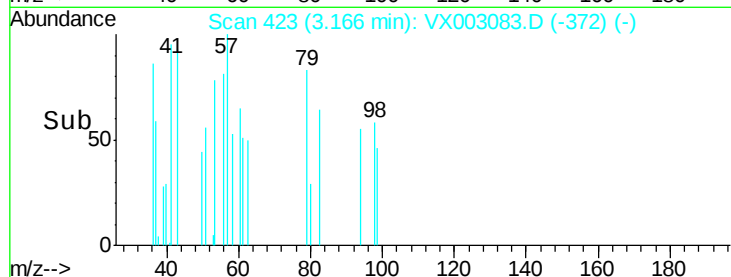
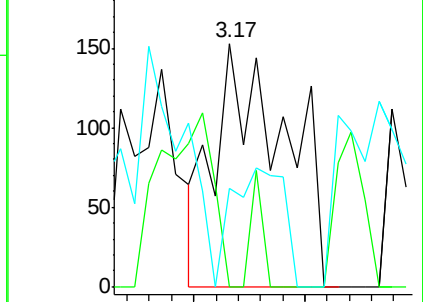
51 36.2 29.9 44.9



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



#16

Acetone

Concen: 3.19 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003083.D

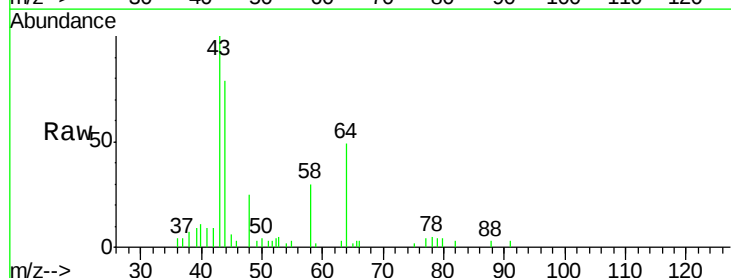
Acq: 30 Jun 2018 17:10

Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

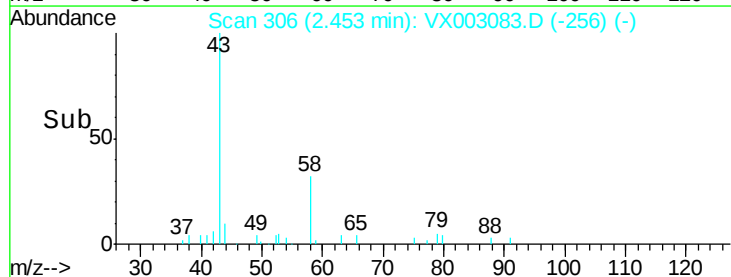
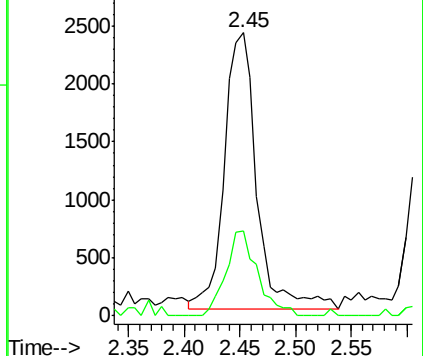
43 100

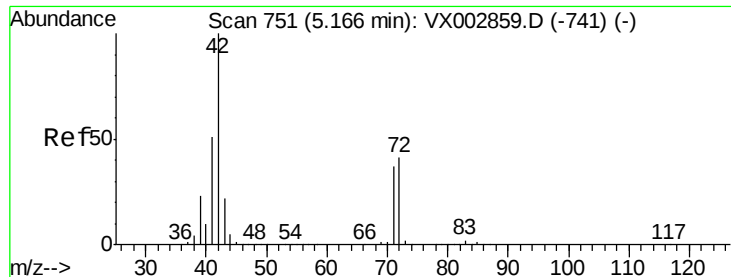
58 30.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

S22-0038

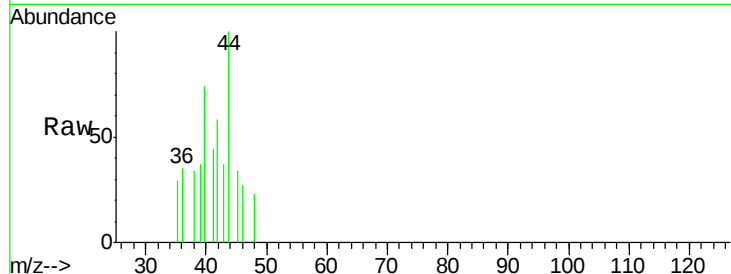
Tot Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

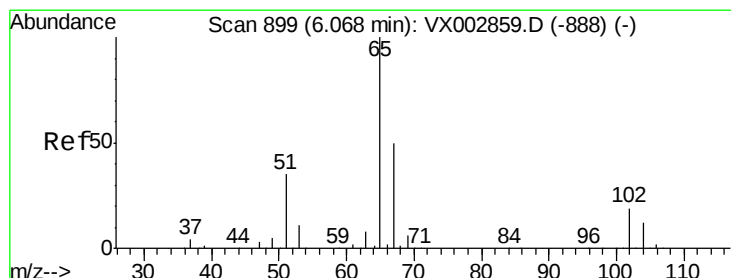
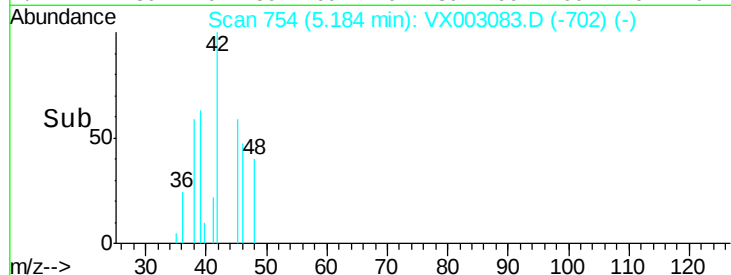
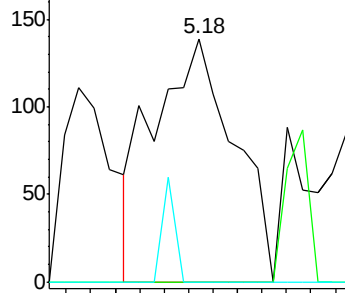
71 6.9 30.1 45.1#



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: 47.26 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003083.D

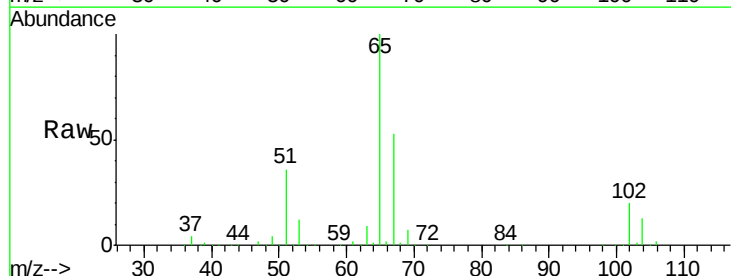
Acq: 30 Jun 2018 17:10

Tgt Ion: 65 Resp: 173303

Ion Ratio Lower Upper

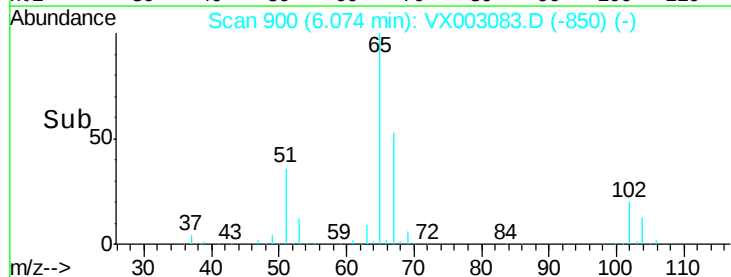
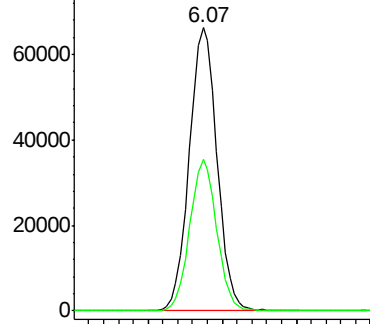
65 100

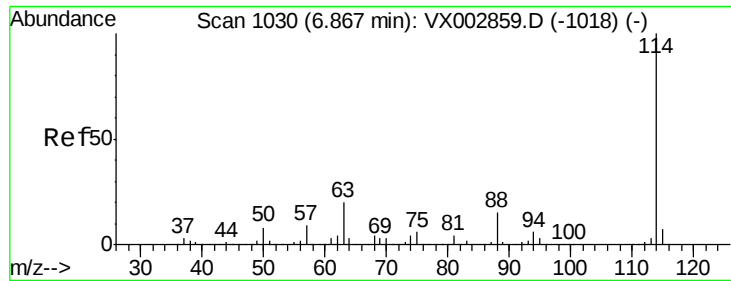
67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

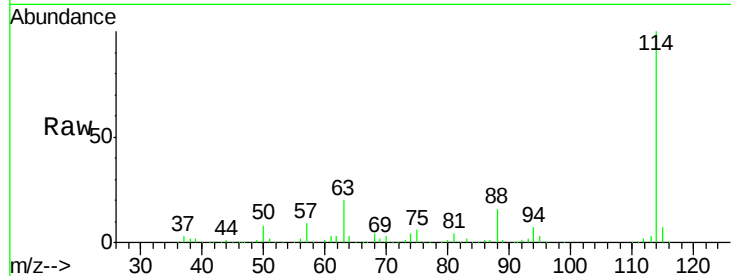




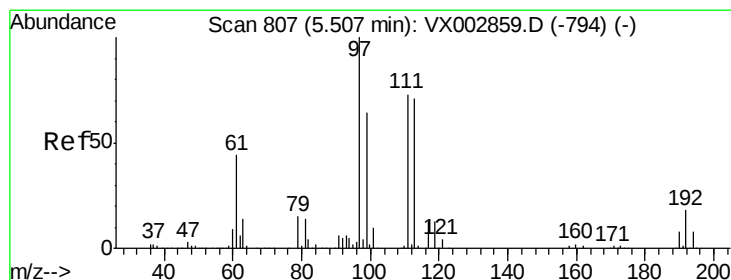
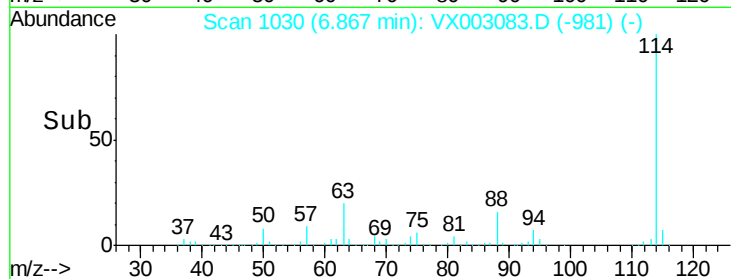
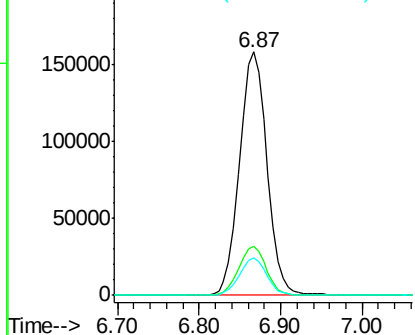
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003083.D
Acq: 30 Jun 2018 17:10

Instrument :
MSVOA_X
ClientSampleId :
S22-0038

Tot Ion:114 Resp: 369621
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.4
88 15.6 0.0 30.0

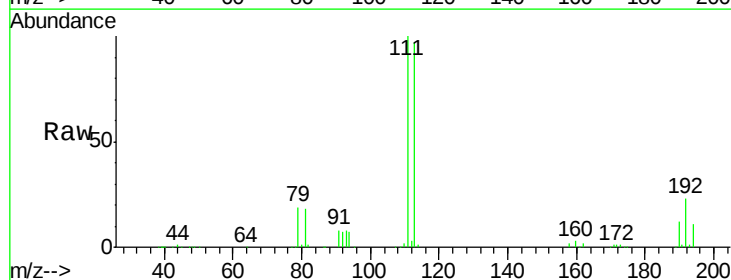


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

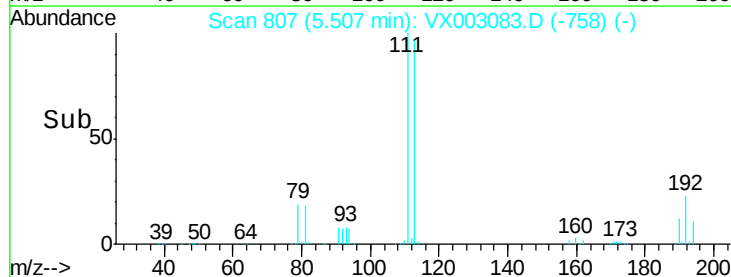
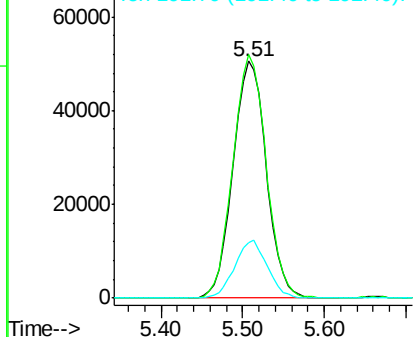


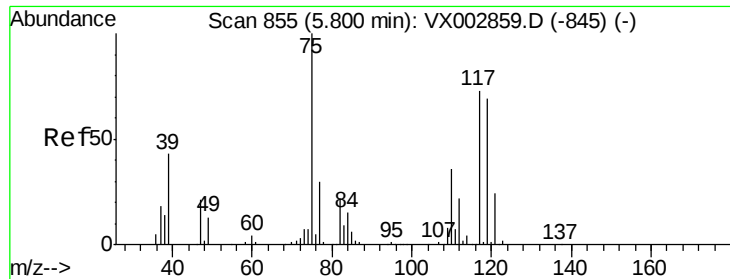
#35
Dibromofluoromethane
Concen: 48.83 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003083.D
Acq: 30 Jun 2018 17:10

Tgt Ion:113 Resp: 142917
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 23.9 19.1 28.7



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: 4.31 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

S22-0038

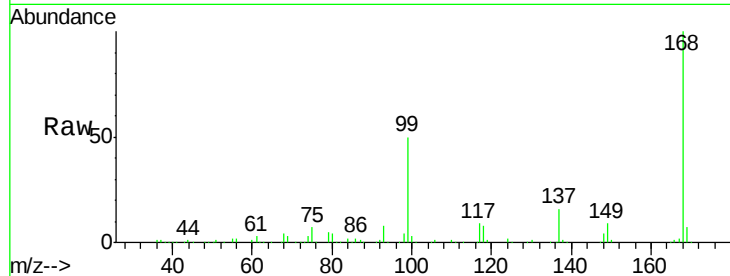
Tot Ion: 75 Resp: 17451

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

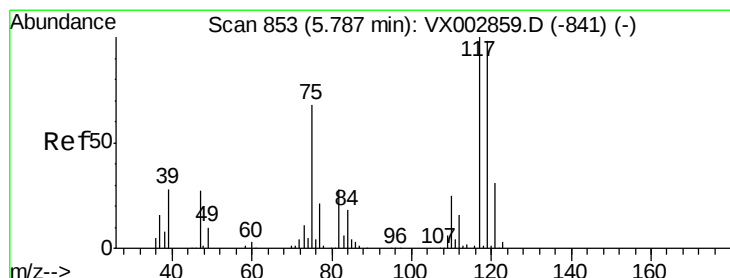
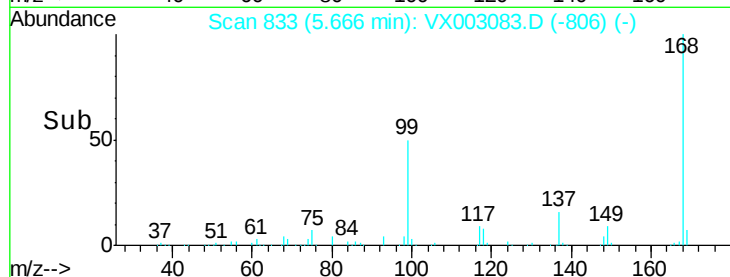
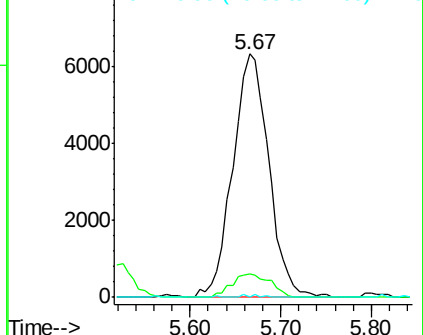
77 0.1 24.3 36.5#



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: 5.41 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

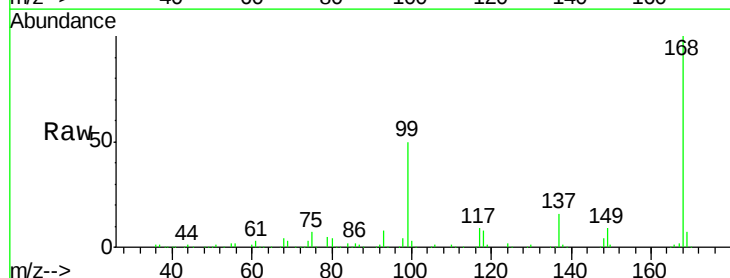
Tgt Ion: 117 Resp: 24084

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

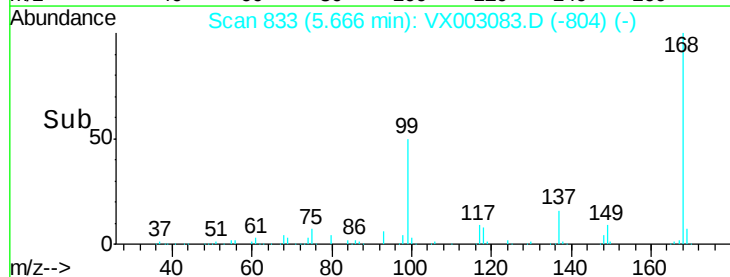
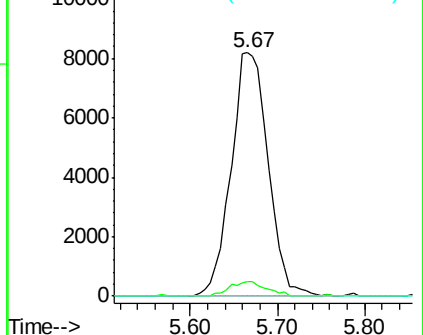
121 0.0 24.4 36.6#

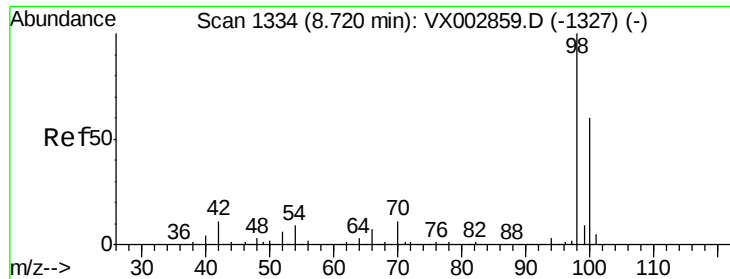


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

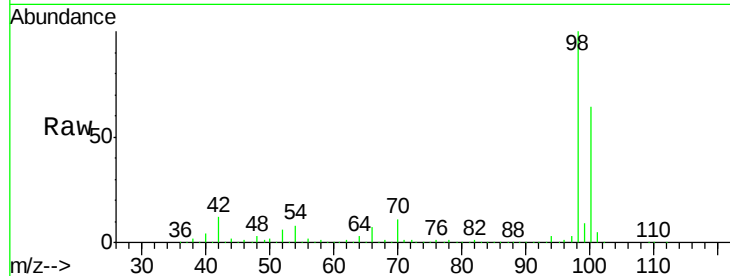
S22-0038

Tot Ion: 98 Resp: 515162

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

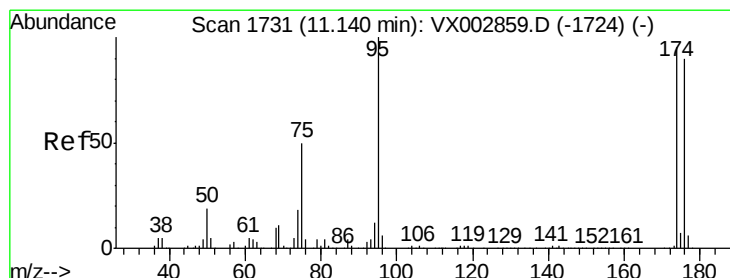
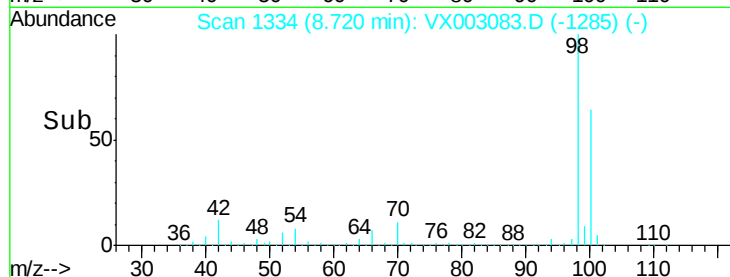
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 44.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

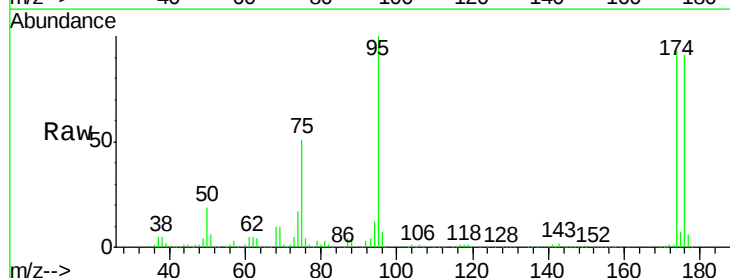
Tgt Ion: 95 Resp: 181903

Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

176 95.1 0.0 181.0



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

200000

150000

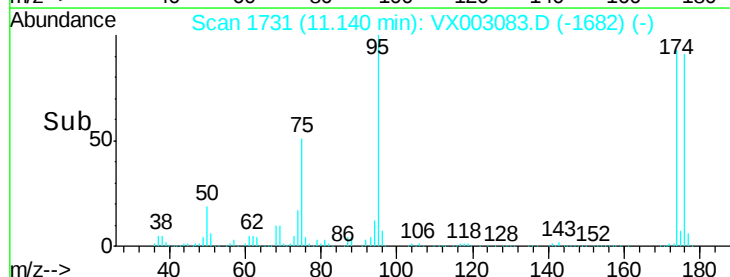
100000

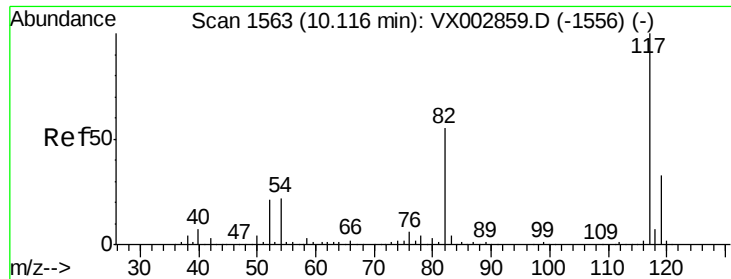
50000

0

Time-->

11.10 11.20

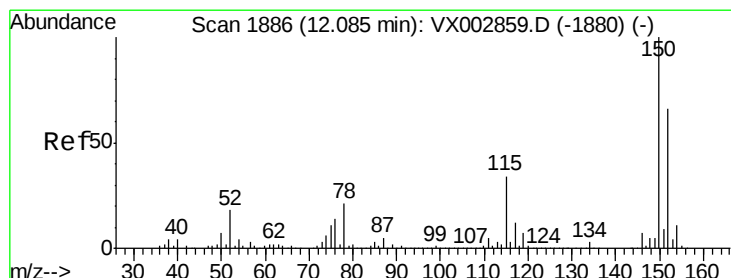
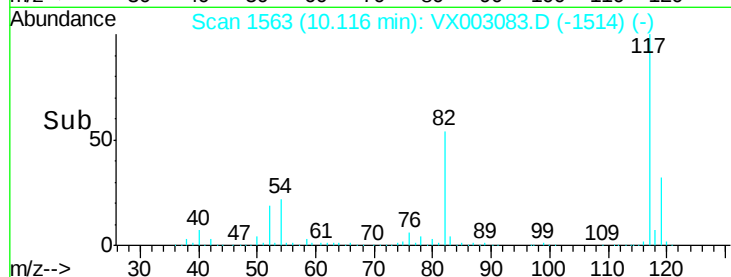
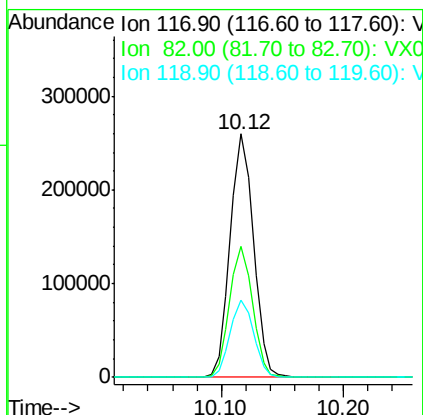
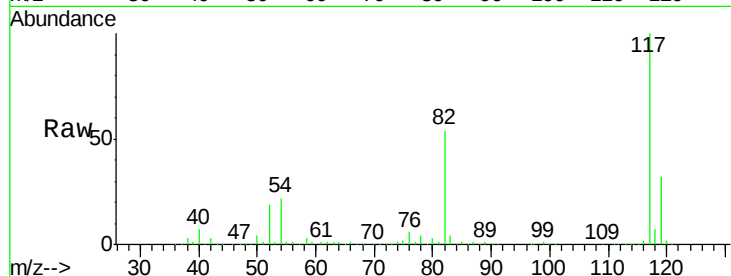




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003083.D
Acq: 30 Jun 2018 17:10

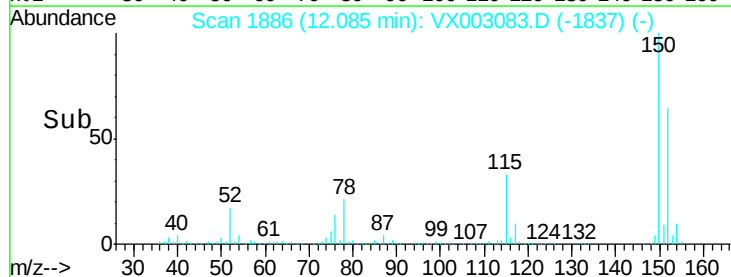
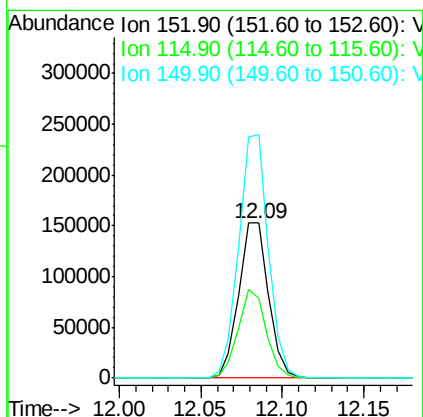
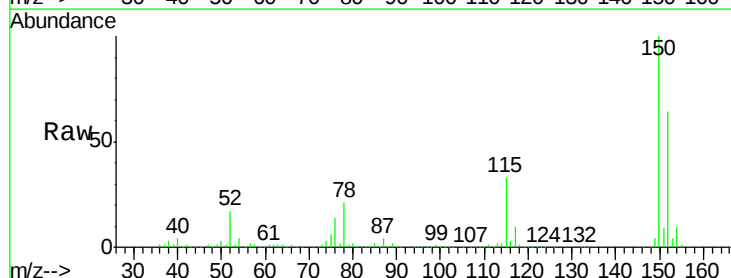
Instrument :
MSVOA_X
ClientSampleId :
S22-0038

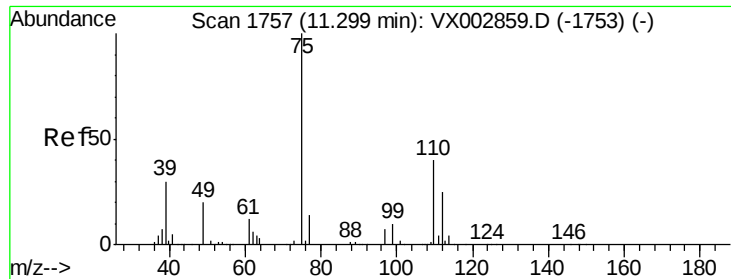
Tot Ion:117 Resp: 344403
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX003083.D
Acq: 30 Jun 2018 17:10

Tgt Ion:152 Resp: 194738
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 156.6 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

Instrument :

MSVOA_X

ClientSampleId :

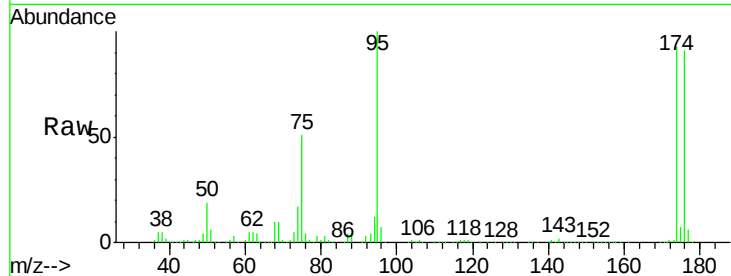
S22-0038

Tot Ion: 75 Resp: 93537

Ion Ratio Lower Upper

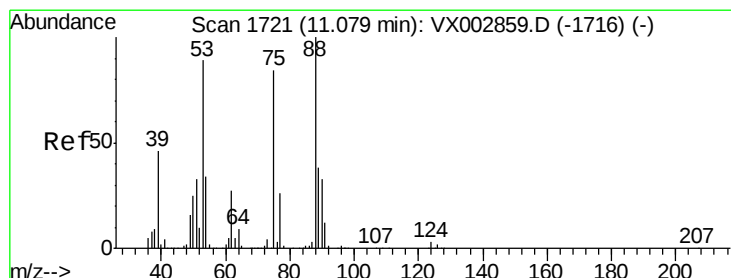
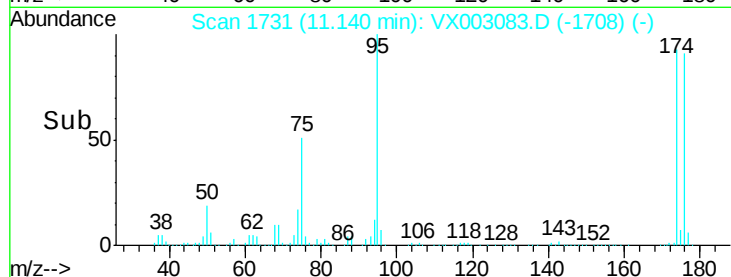
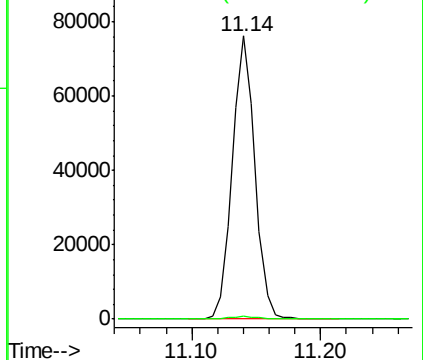
75 100

77 1.2 22.8 68.3#



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: 75.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003083.D

Acq: 30 Jun 2018 17:10

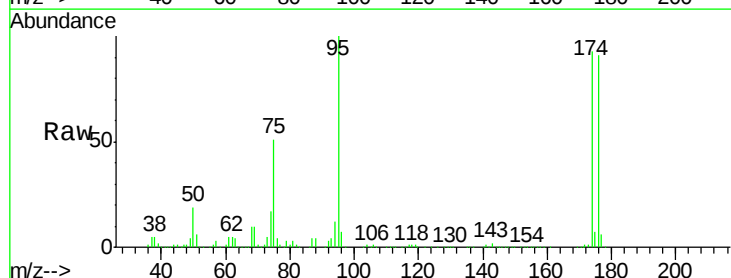
Tgt Ion: 75 Resp: 93537

Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#



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

