

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003582.D
 Acq On : 22 Jul 2018 04:35
 Operator : JC/SP
 Sample : J4028-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0488-180716

Quant Time: Jul 23 03:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201603	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	173356	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	5.50	113	156645	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	8.72	98	561425	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.14	95	190693	41.33	ug/l	0.00
Spiked Amount			Recovery	=	82.66%	

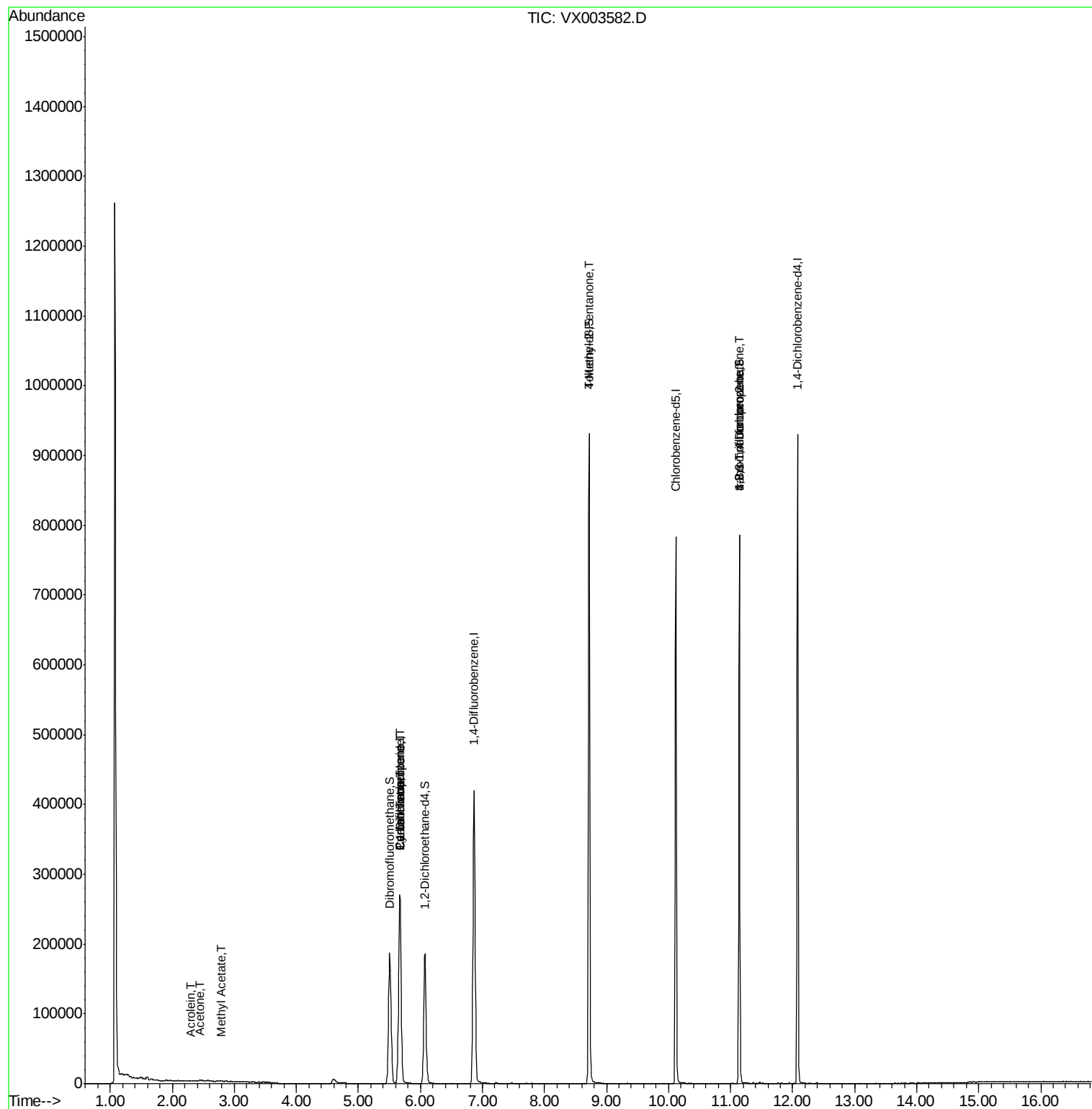
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	39	Below Cal	#	43
3) Chloromethane	1.32	50	449	Below Cal		95
5) Bromomethane	1.61	94	158	Below Cal	#	3
13) Acrolein	2.29	56	91	0.30	ug/l #	11
16) Acetone	2.45	43	1570	1.22	ug/l #	85
18) Methyl Acetate	2.78	43	835	0.21	ug/l	92
20) Methylene Chloride	2.87	84	108	Below Cal	#	45
31) Cyclohexane	5.67	56	4759	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18831	3.95	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25637	5.48	ug/l #	17
51) 4-Methyl-2-Pentanone	8.72	43	2285	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	90862	25.09	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	90862	70.25	ug/l #	7

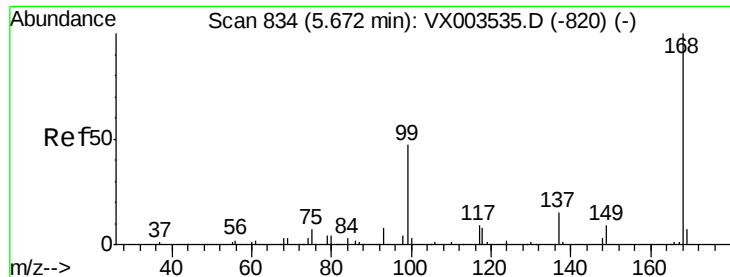
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

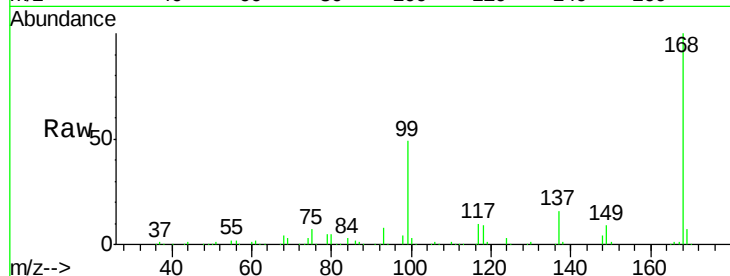
DUP-0488-180716

Tot Ion:168 Resp: 287519

Ion Ratio Lower Upper

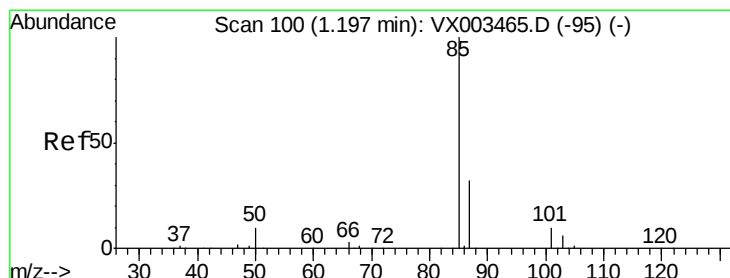
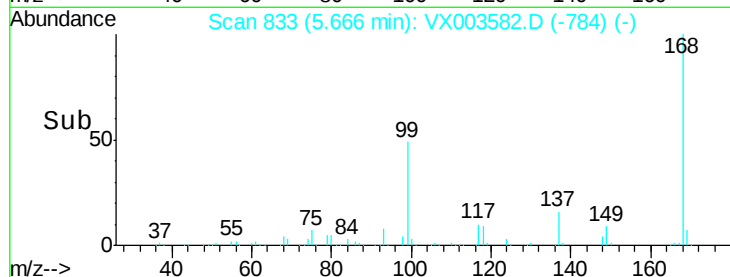
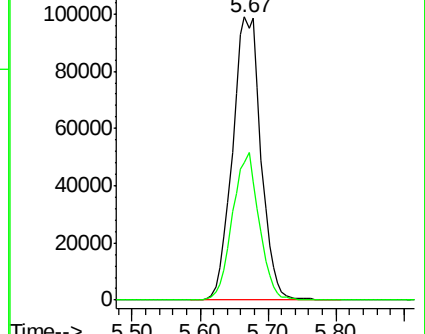
168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003582.D

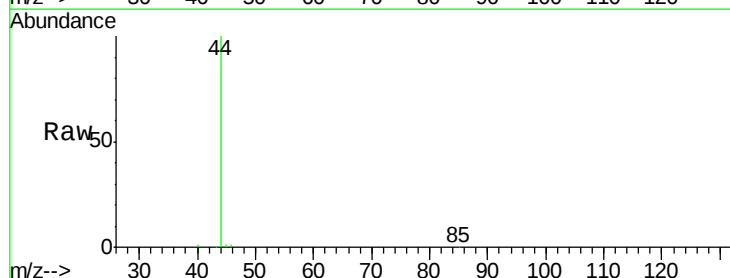
Acq: 22 Jul 2018 04:35

Tgt Ion: 85 Resp: 39

Ion Ratio Lower Upper

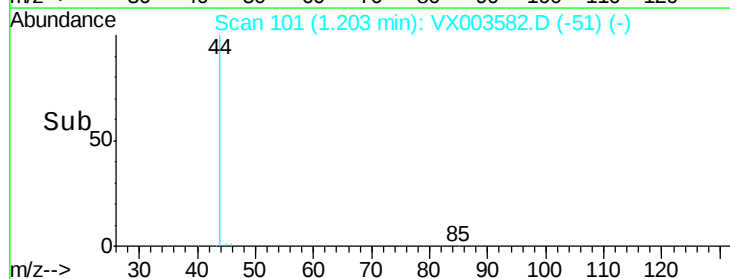
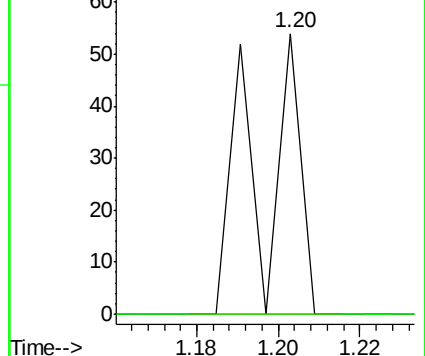
85 100

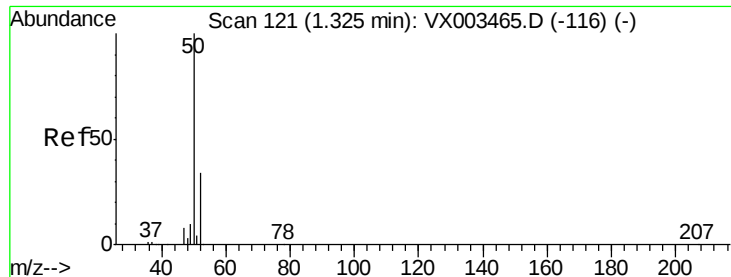
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

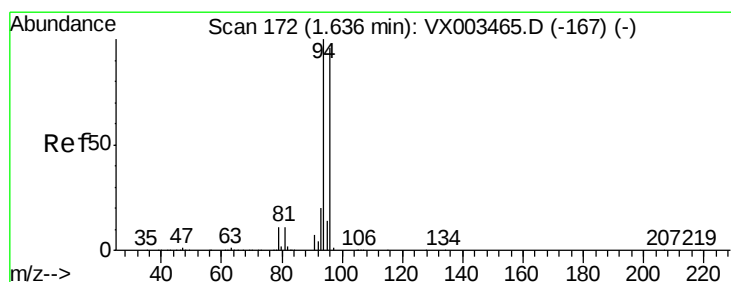
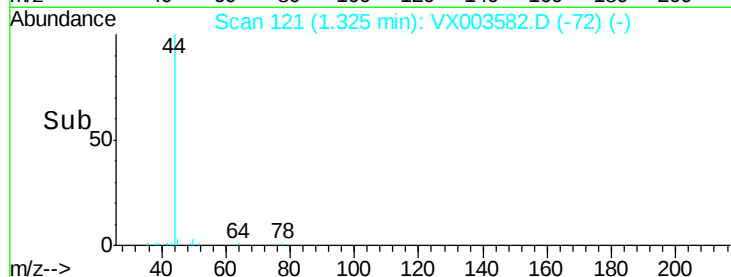
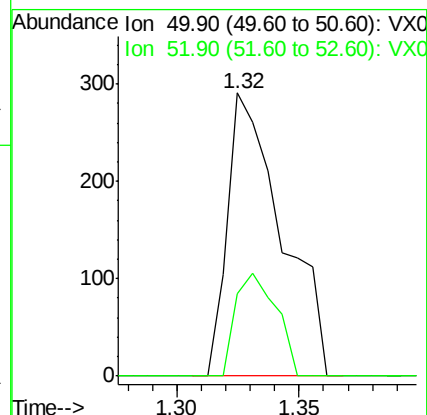
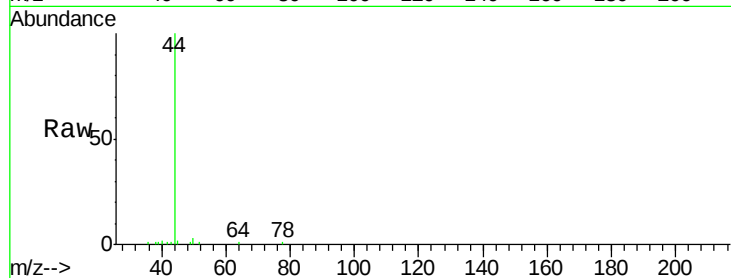
DUP-0488-180716

Tot Ion: 50 Resp: 449

Ion Ratio Lower Upper

50 100

52 29.2 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX003582.D

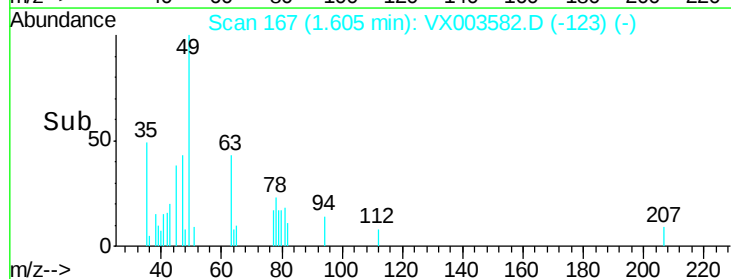
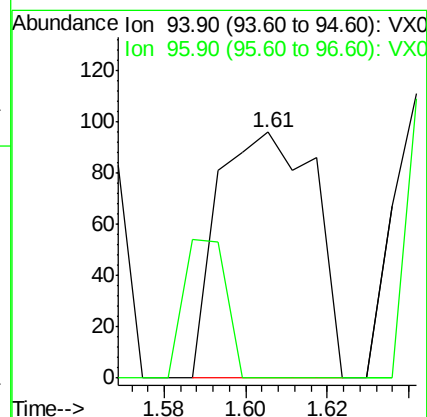
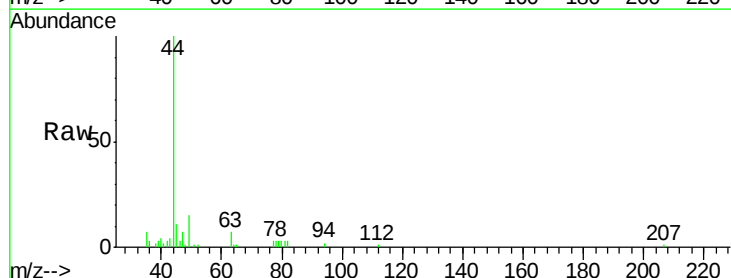
Acq: 22 Jul 2018 04:35

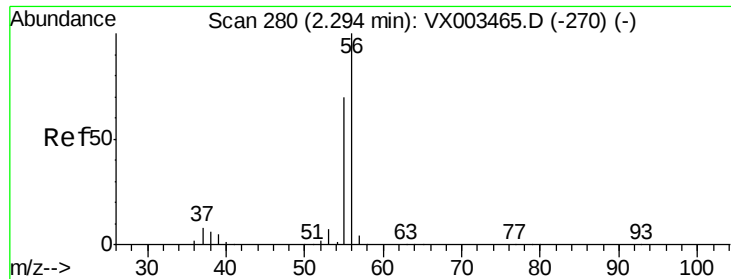
Tgt Ion: 94 Resp: 158

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#





#13

Acrolein

Concen: 0.30 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

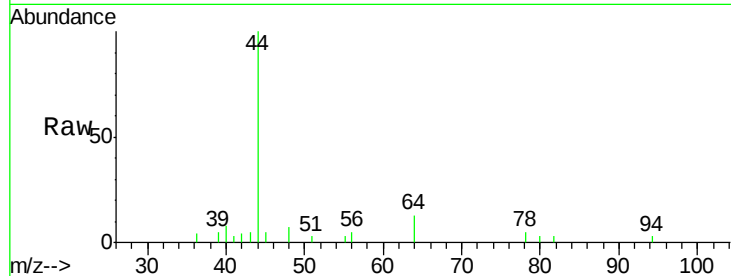
DUP-0488-180716

Tot Ion: 56 Resp: 91

Ion Ratio Lower Upper

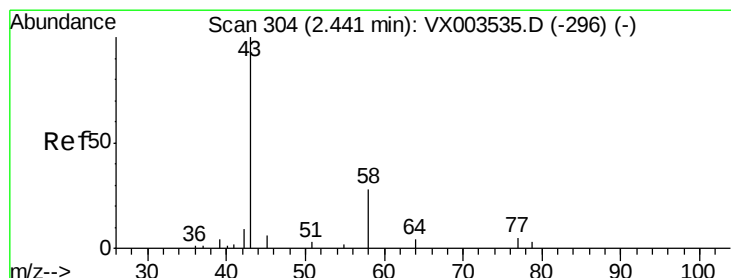
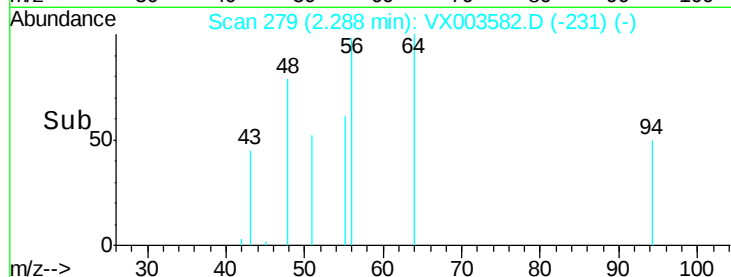
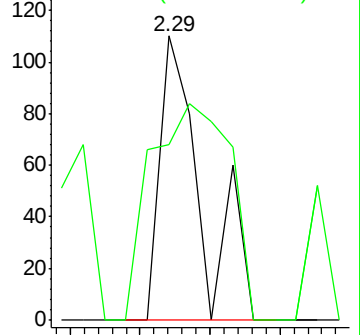
56 100

55 145.1 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.22 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003582.D

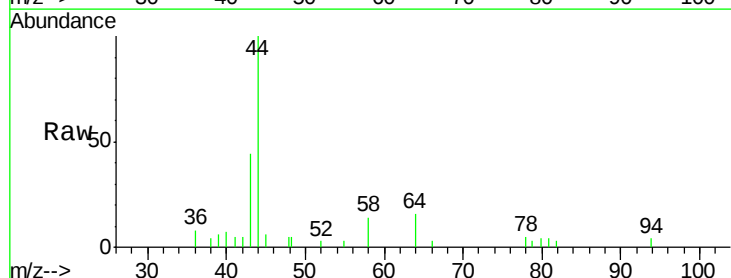
Acq: 22 Jul 2018 04:35

Tgt Ion: 43 Resp: 1570

Ion Ratio Lower Upper

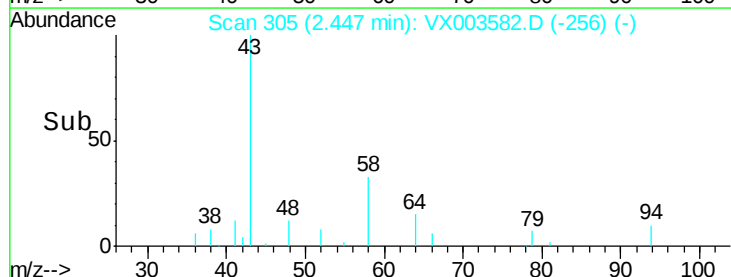
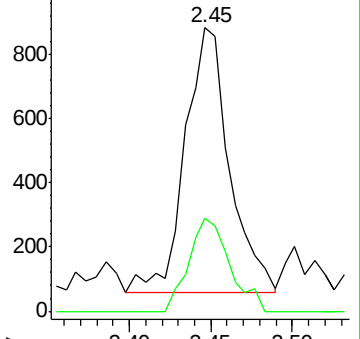
43 100

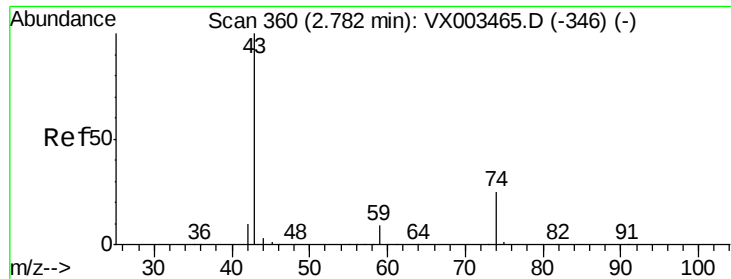
58 35.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

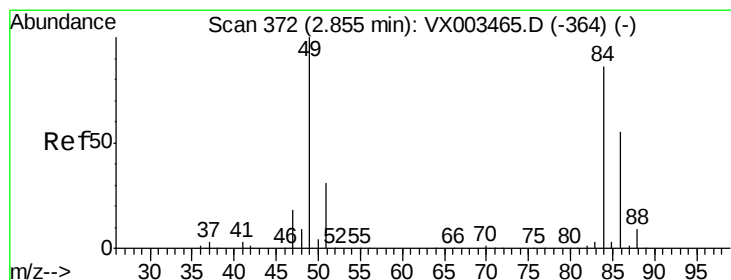
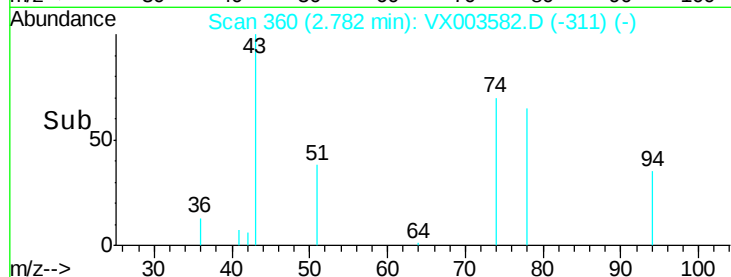
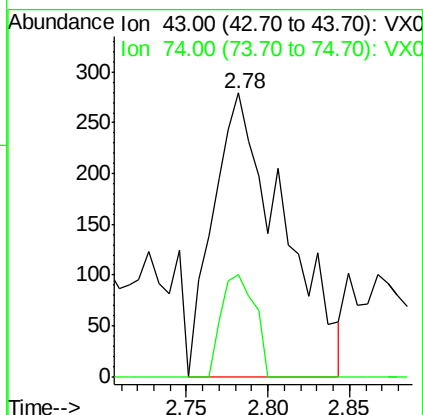
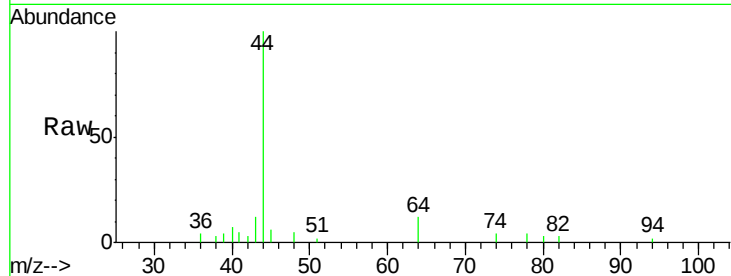




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003582.D
Acq: 22 Jul 2018 04:35

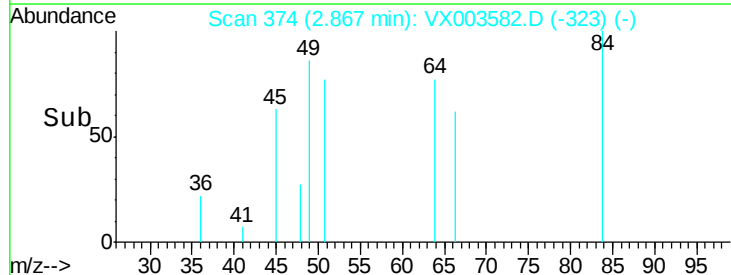
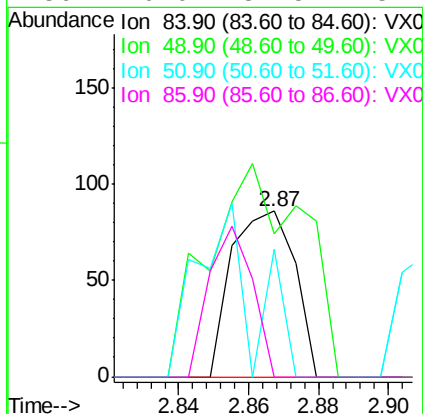
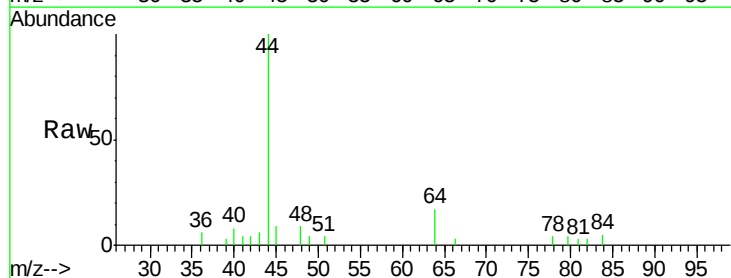
Instrument :
MSVOA_X
ClientSampleId :
DUP-0488-180716

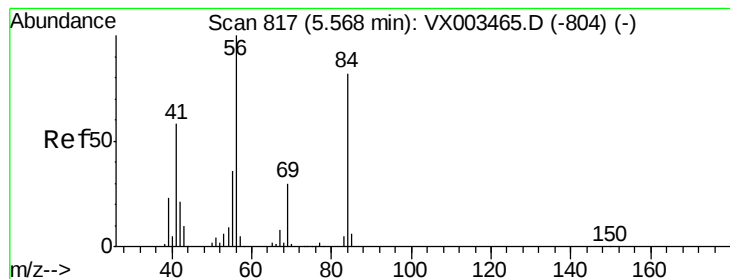
Tot Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
74 17.2 16.7 25.1



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX003582.D
Acq: 22 Jul 2018 04:35

Tgt Ion: 84 Resp: 108
Ion Ratio Lower Upper
84 100
49 86.0 107.8 161.6#
51 76.7 32.8 49.2#
86 0.0 52.5 78.7#





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

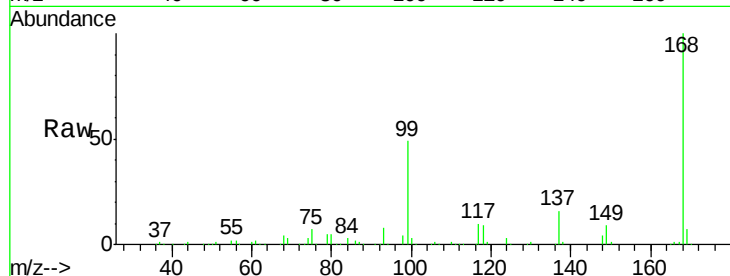
Tot Ion: 56 Resp: 4759

Ion Ratio Lower Upper

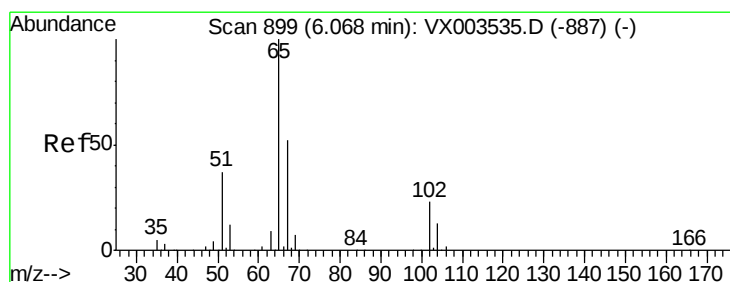
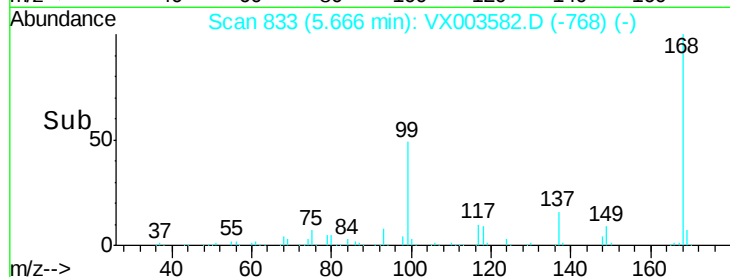
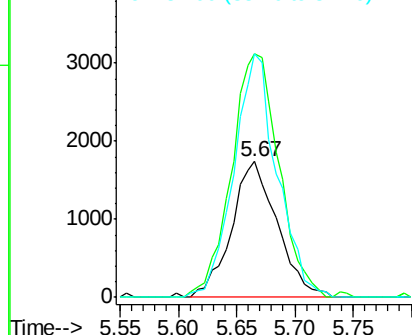
56 100

69 175.3 23.7 35.5#

84 179.0 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.94 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003582.D

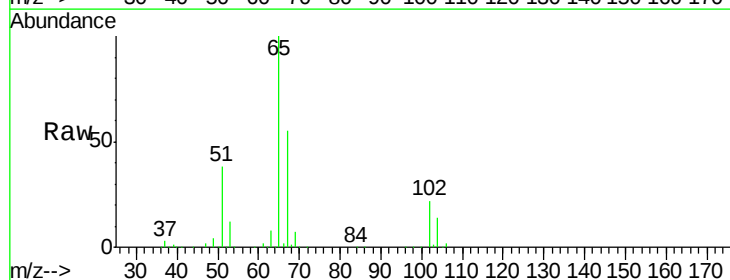
Acq: 22 Jul 2018 04:35

Tgt Ion: 65 Resp: 173356

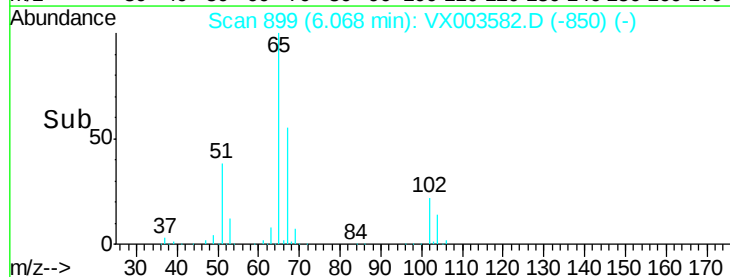
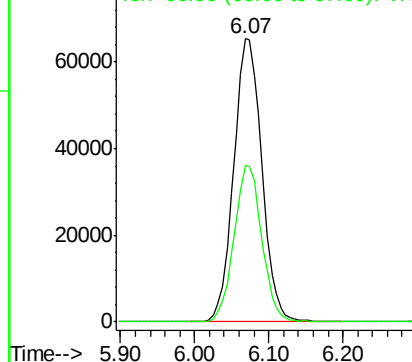
Ion Ratio Lower Upper

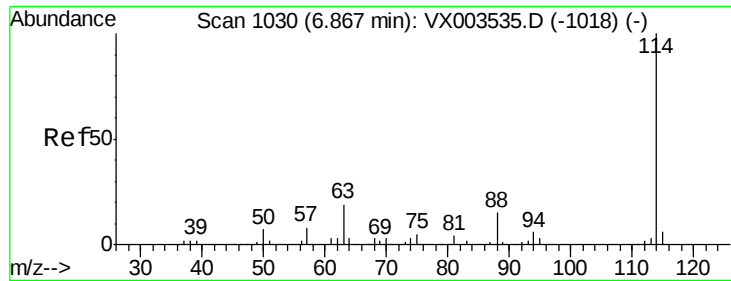
65 100

67 54.4 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: VX003582.D

Acq: 22 Jul 2018 04:35

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ClientSampleId :

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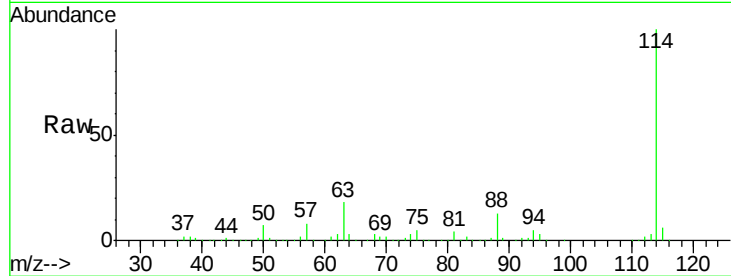
Tot Ion:114 Resp: 441654

Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.4

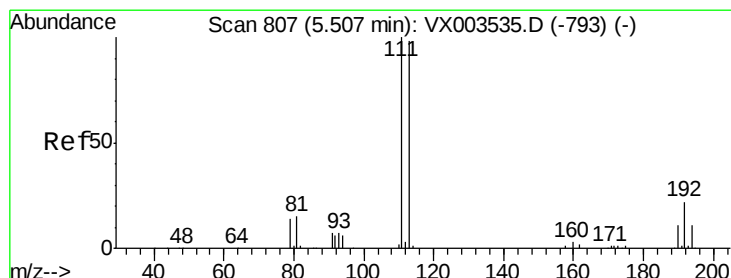
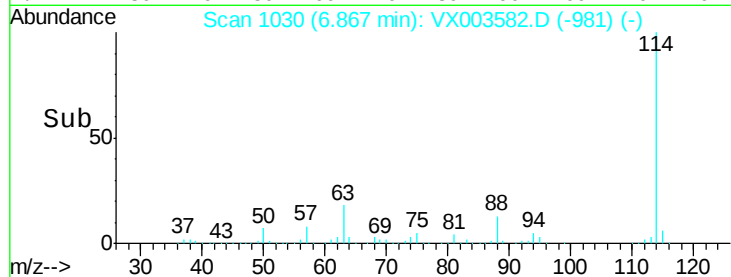
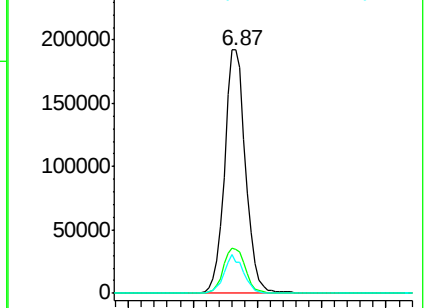
88 12.9 0.0 30.0



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: 46.57 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

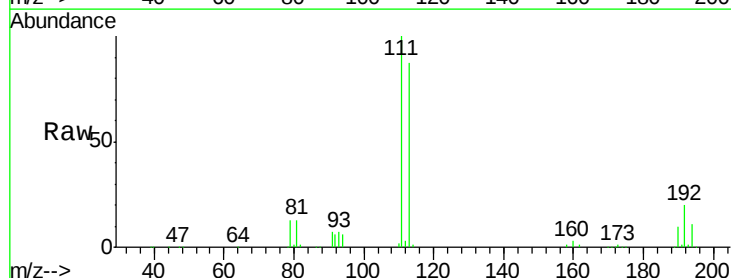
Tgt Ion:113 Resp: 156645

Ion Ratio Lower Upper

113 100

111 106.3 81.4 122.0

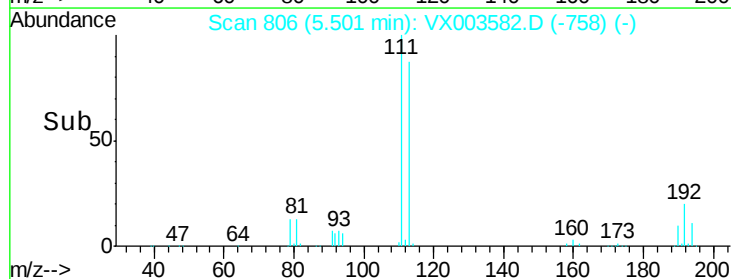
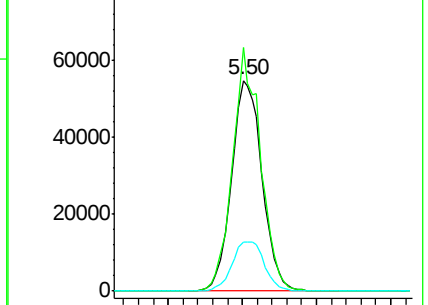
192 25.0 19.1 28.7

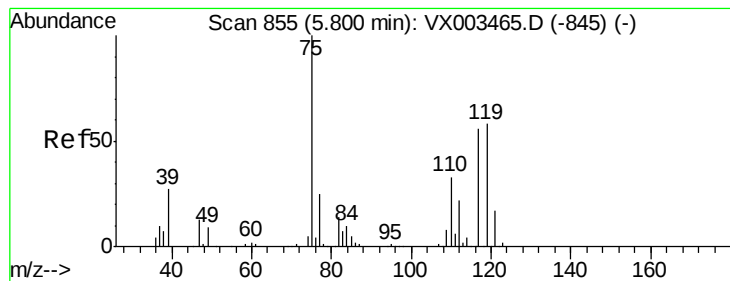


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.95 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

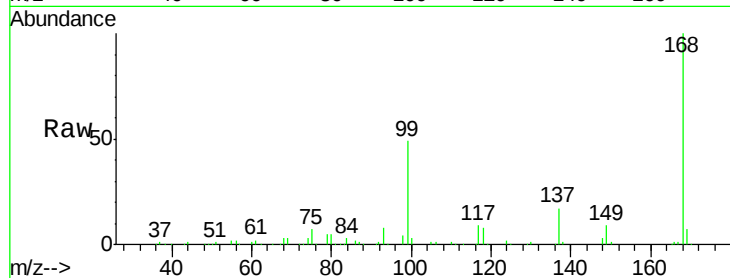
Tot Ion: 75 Resp: 18831

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.0 24.3 36.5#

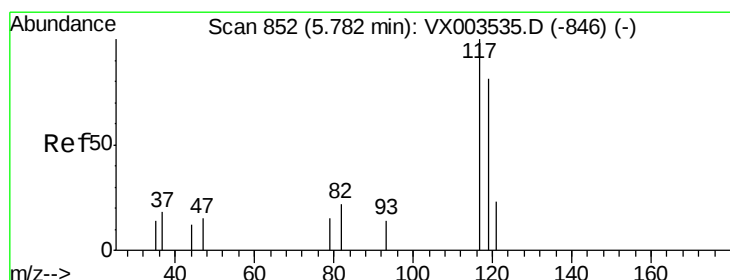
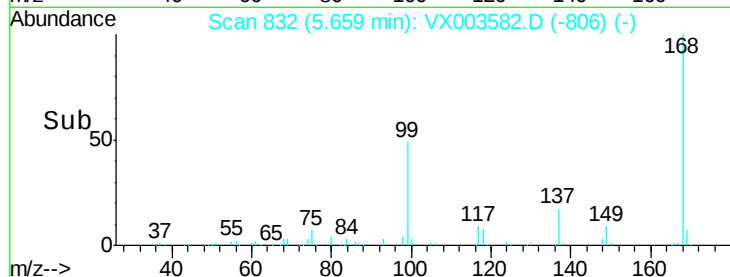


Abundance Ion 74.90 (74.60 to 75.60): VX003582.D (-806) (-)

Ion 109.90 (109.60 to 110.60): VX003582.D (-806) (-)

Ion 76.90 (76.60 to 77.60): VX003582.D (-806) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

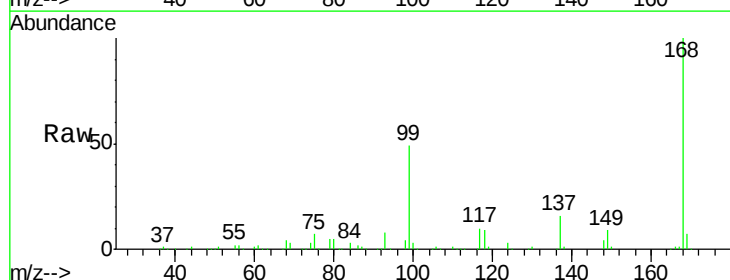
Tgt Ion: 117 Resp: 25637

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

121 0.0 24.4 36.6#

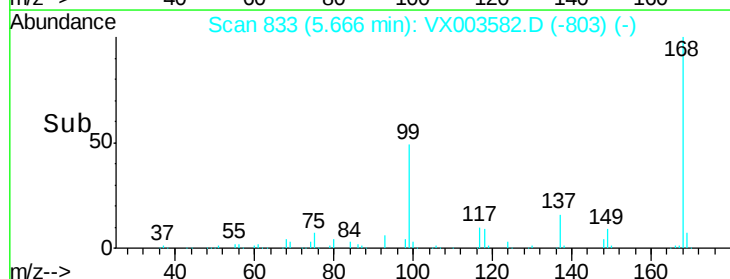


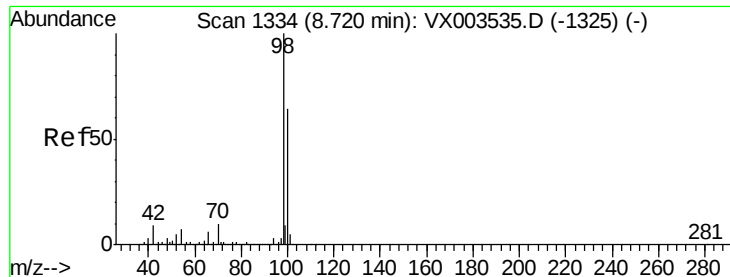
Abundance Ion 116.80 (116.50 to 117.50): VX003582.D (-803) (-)

Ion 118.80 (118.50 to 119.50): VX003582.D (-803) (-)

Ion 120.80 (120.50 to 121.50): VX003582.D (-803) (-)

Time-->





#50

Toluene-d8

Concen: 44.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

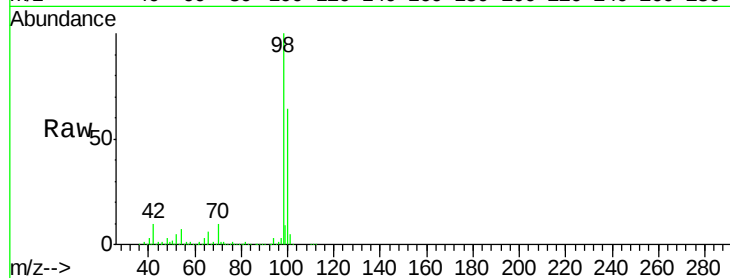
DUP-0488-180716

Tot Ion: 98 Resp: 561425

Ion Ratio Lower Upper

98 100

100 64.2 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

400000

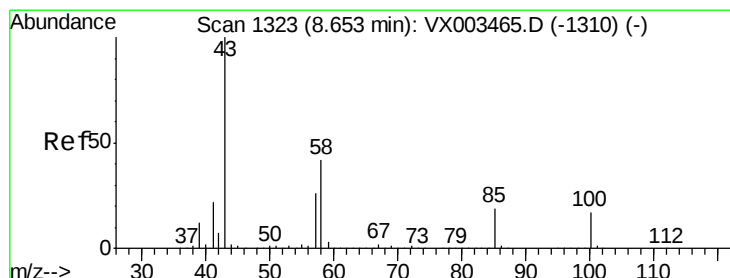
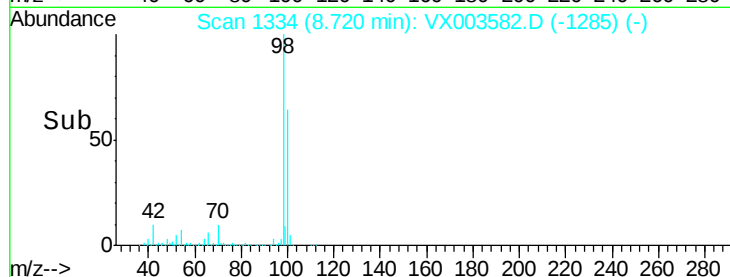
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003582.D

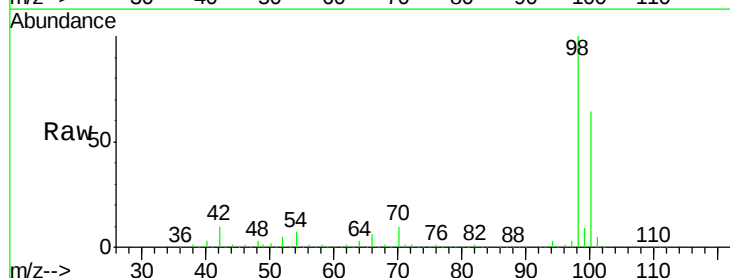
Acq: 22 Jul 2018 04:35

Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

43 100

58 187.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

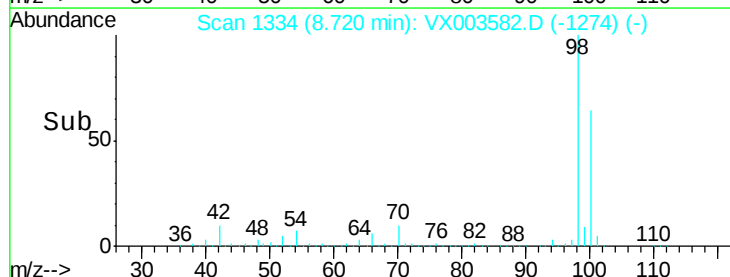
1500

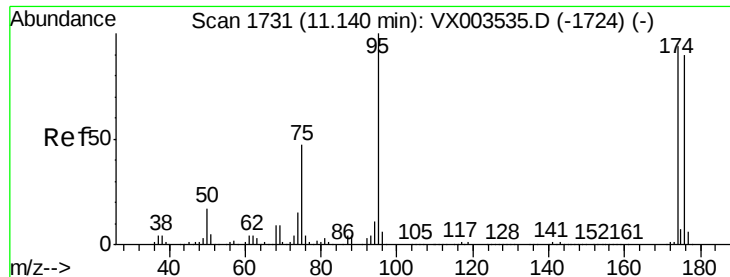
1000

500

0

Time--> 8.65 8.70 8.75 8.80





#62

4-Bromofluorobenzene

Concen: 41.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

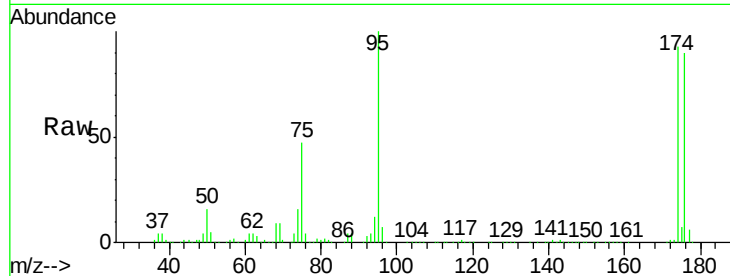
Tot Ion: 95 Resp: 190693

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

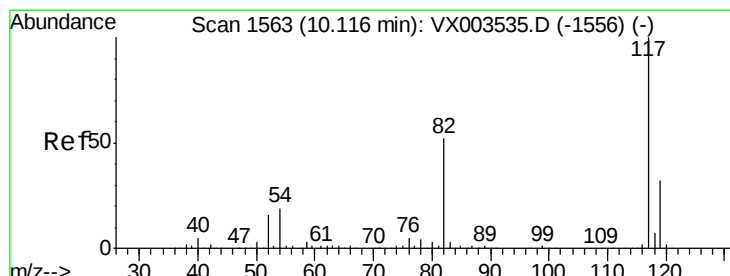
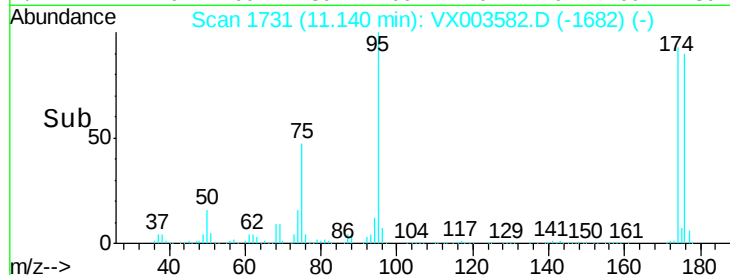
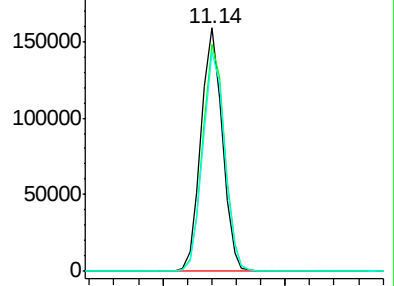
176 91.9 0.0 181.0



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

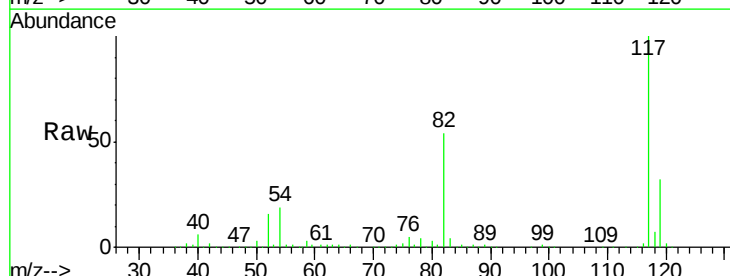
Tgt Ion: 117 Resp: 371665

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

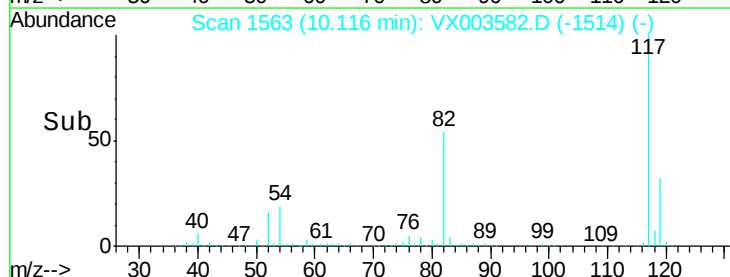
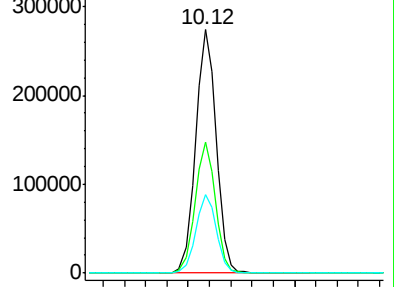
119 32.3 25.8 38.6

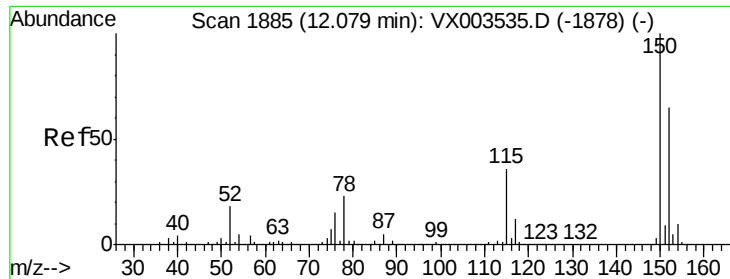


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

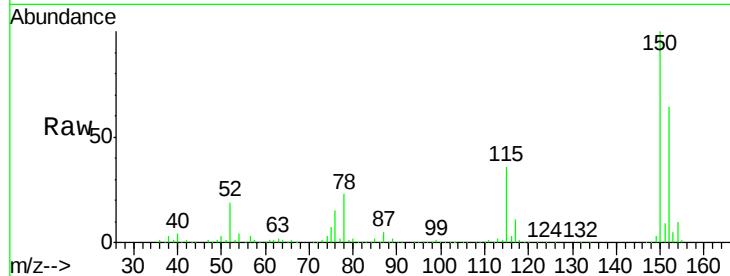
Tot Ion:152 Resp: 201603

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

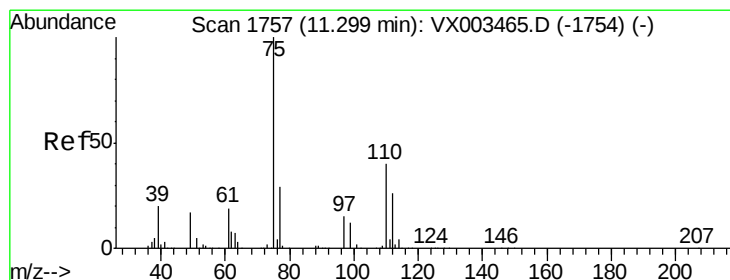
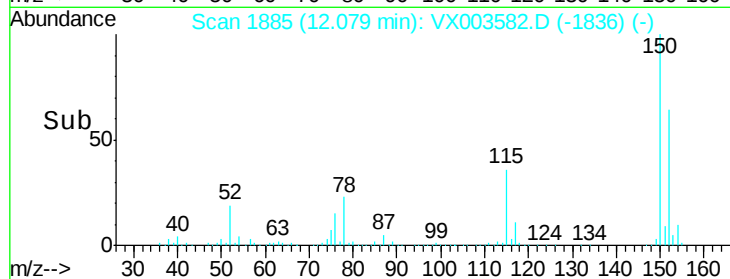
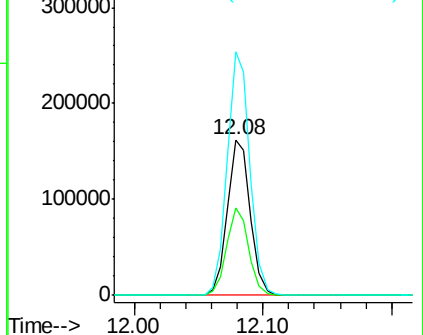
150 155.5 0.0 347.2



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: 25.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003582.D

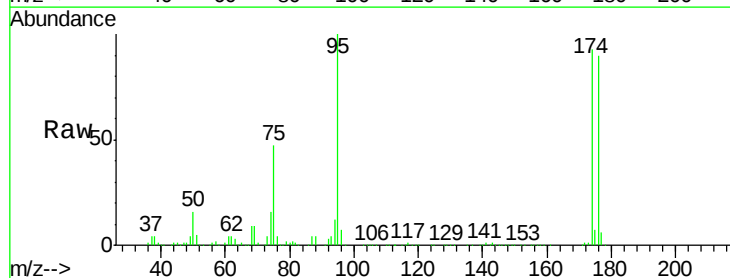
Acq: 22 Jul 2018 04:35

Tgt Ion: 75 Resp: 90862

Ion Ratio Lower Upper

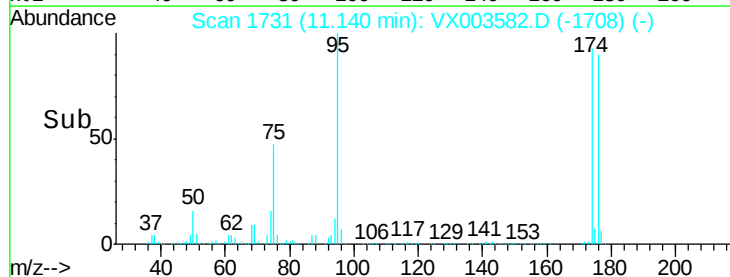
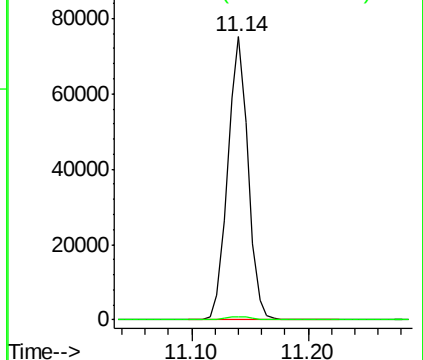
75 100

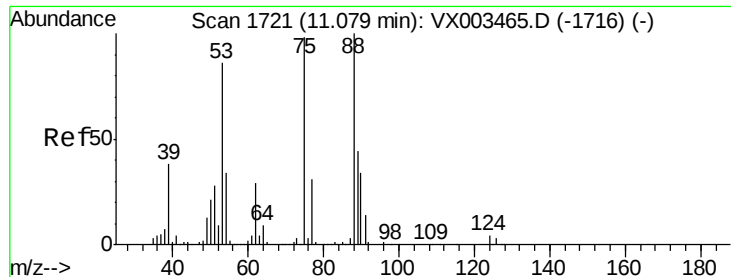
77 1.3 22.8 68.3#



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: 70.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003582.D

Acq: 22 Jul 2018 04:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0488-180716

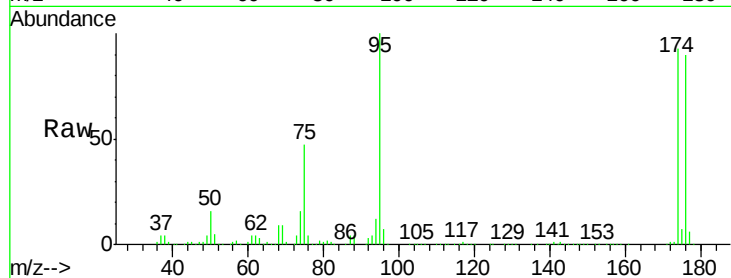
Tot Ion: 75 Resp: 90862

Ion Ratio Lower Upper

75 100

53 0.1 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

