

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003560.D
 Acq On : 21 Jul 2018 17:33
 Operator : JC/SP
 Sample : J4014-15DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-071218DL

Quant Time: Jul 23 01:39:34 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	274760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	412327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213145	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	178503	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	5.51	113	166771	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	8.72	98	587936	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.14	95	201656	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

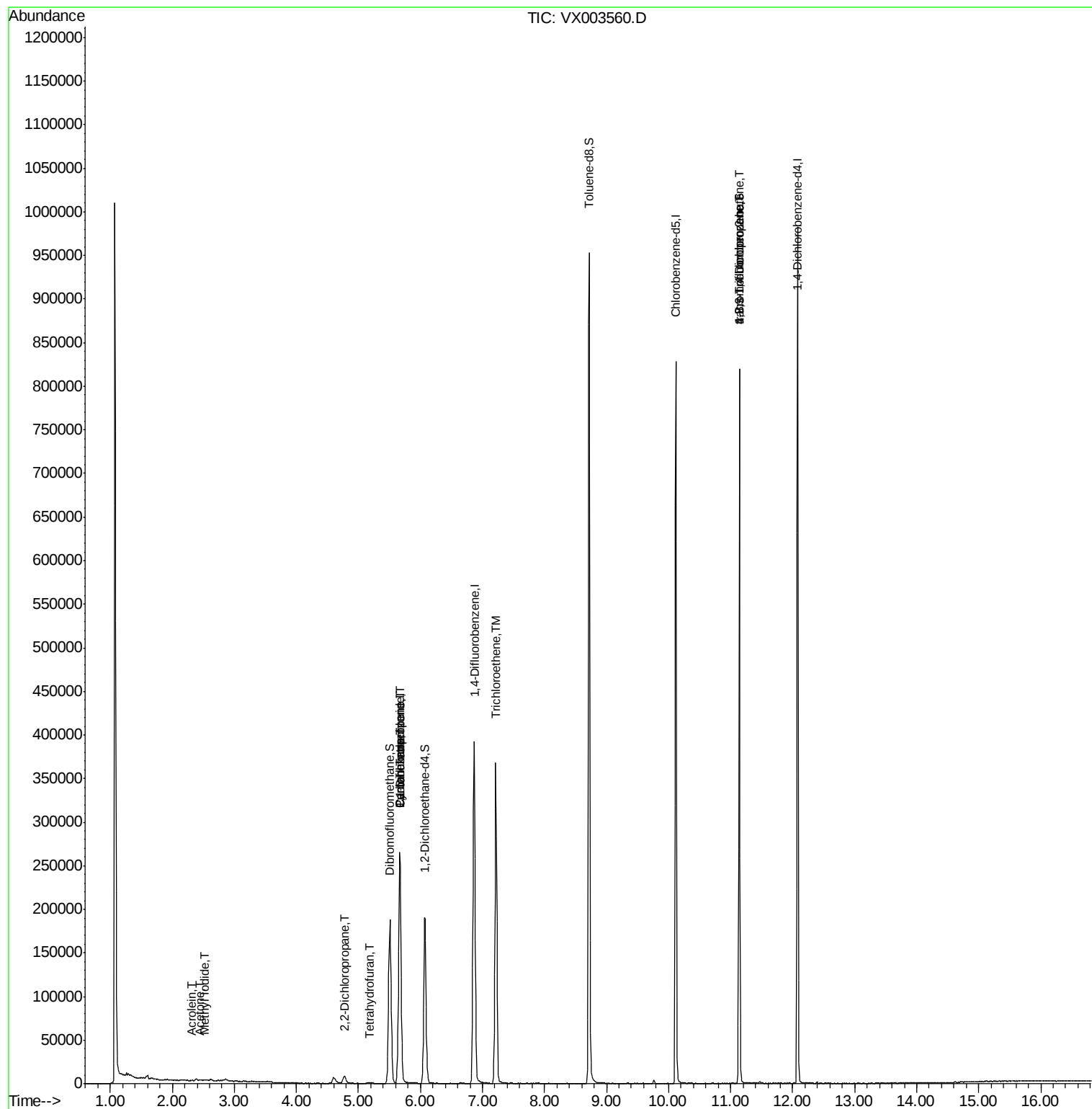
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	530	Below Cal		90
5) Bromomethane	1.65	94	1213	Below Cal		91
10) Methyl Iodide	2.51	142	869	0.24	ug/l #	95
13) Acrolein	2.31	56	144	0.50	ug/l #	69
16) Acetone	2.45	43	623	0.51	ug/l #	51
20) Methylene Chloride	2.86	84	718	Below Cal	#	82
26) 2,2-Dichloropropane	4.78	77	844	0.20	ug/l #	53
29) Tetrahydrofuran	5.18	42	834	0.61	ug/l #	75
31) Cyclohexane	5.66	56	4824	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17676	3.97	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23924	5.48	ug/l #	16
44) Trichloroethene	7.21	130	149461	37.29	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	94747	24.74	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94747	69.32	ug/l #	7

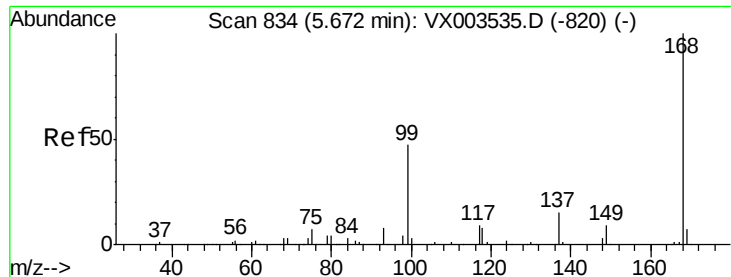
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 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: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

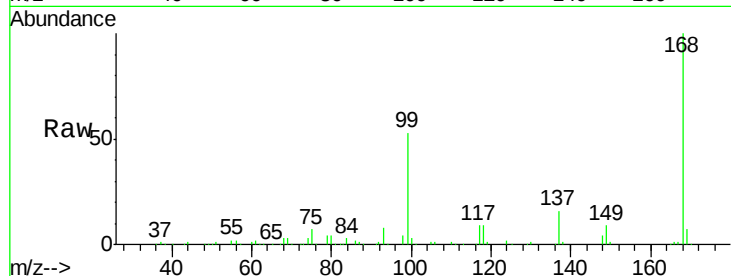
RE122D2-071218DL

Tot Ion:168 Resp: 274760

Ion Ratio Lower Upper

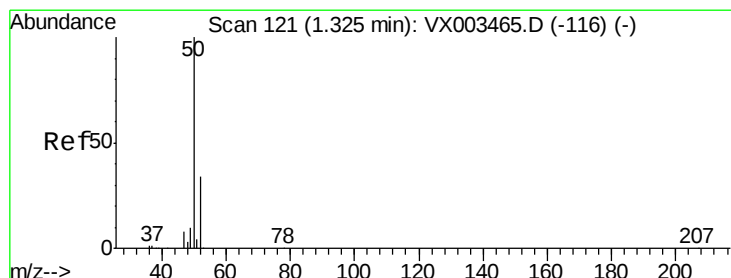
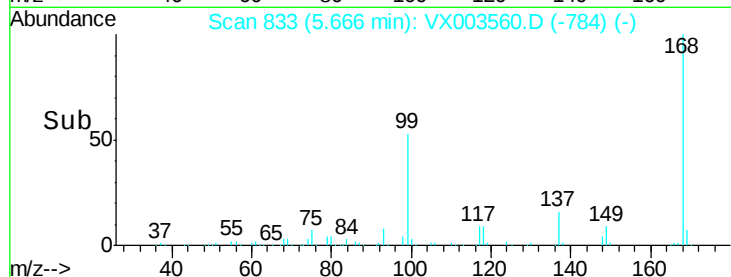
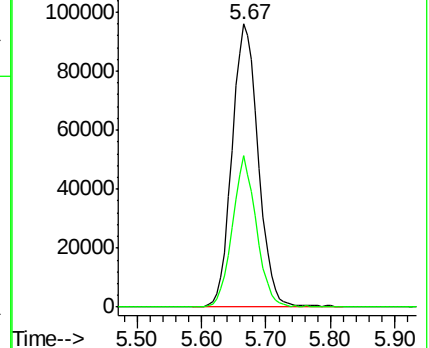
168 100

99 53.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003560.D

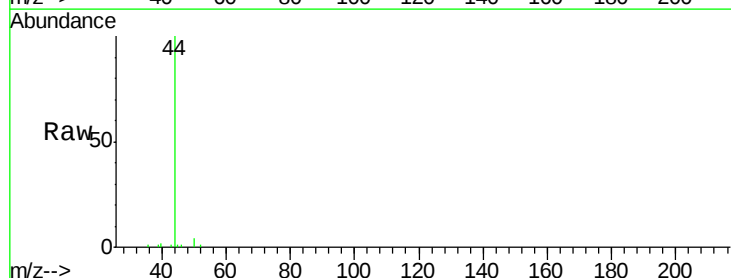
Acq: 21 Jul 2018 17:33

Tgt Ion: 50 Resp: 530

Ion Ratio Lower Upper

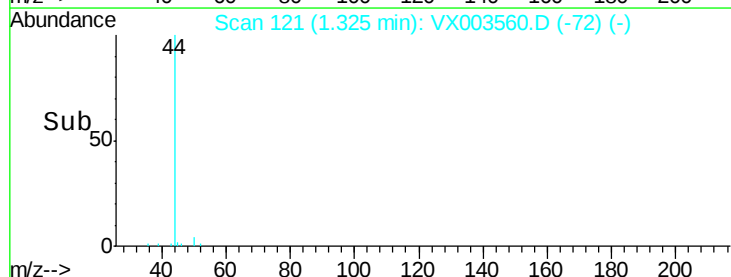
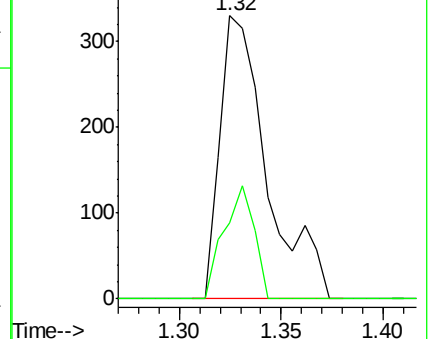
50 100

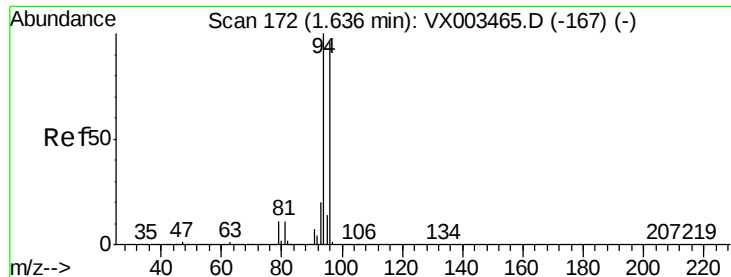
52 26.7 25.7 38.5



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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

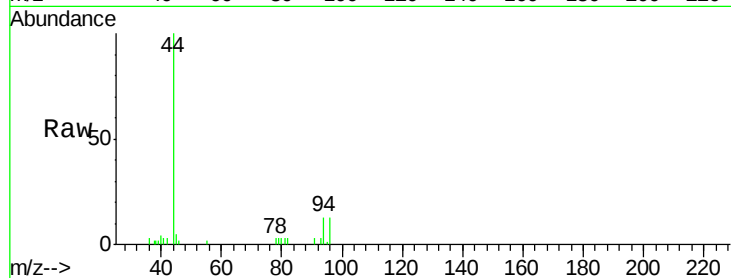
RE122D2-071218DL

Tot Ion: 94 Resp: 1213

Ion Ratio Lower Upper

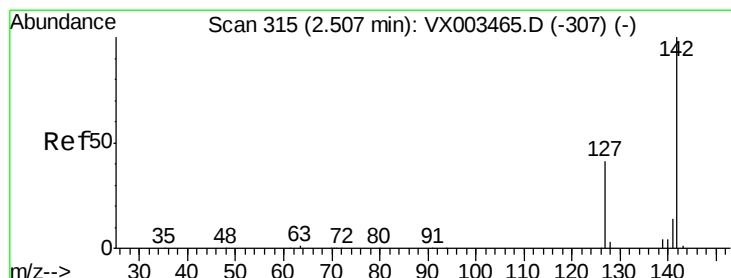
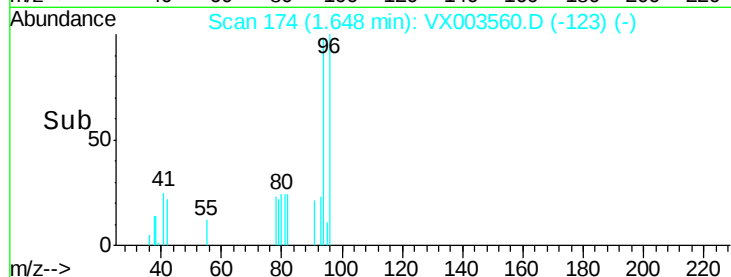
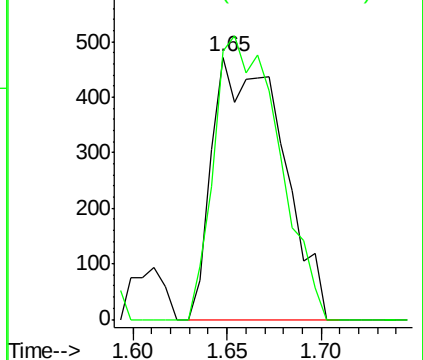
94 100

96 102.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.24 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

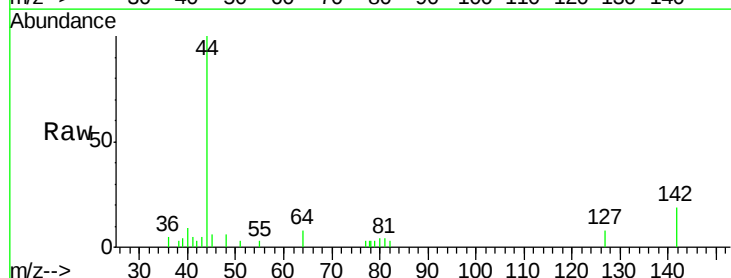
Tgt Ion: 142 Resp: 869

Ion Ratio Lower Upper

142 100

127 47.5 36.6 55.0

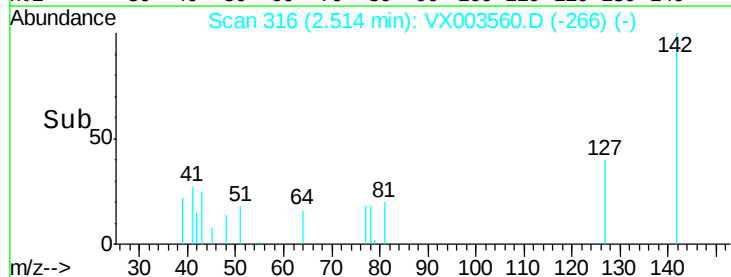
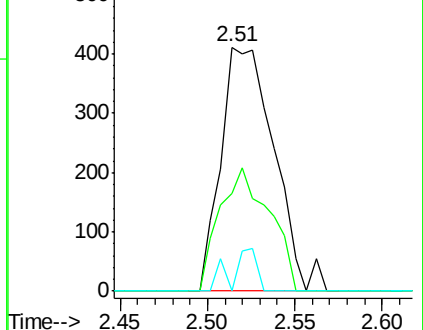
141 8.2 11.3 16.9#

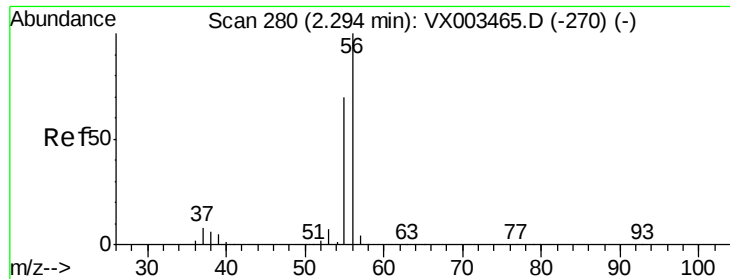


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.50 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

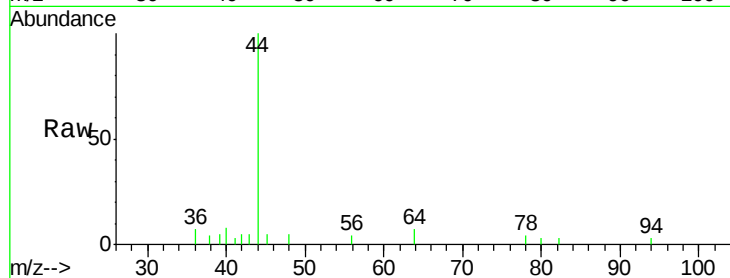
RE122D2-071218DL

Tot Ion: 56 Resp: 144

Ion Ratio Lower Upper

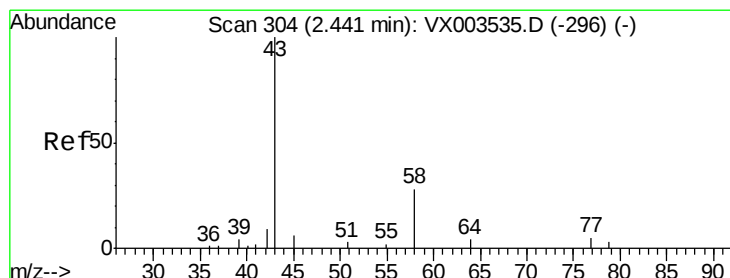
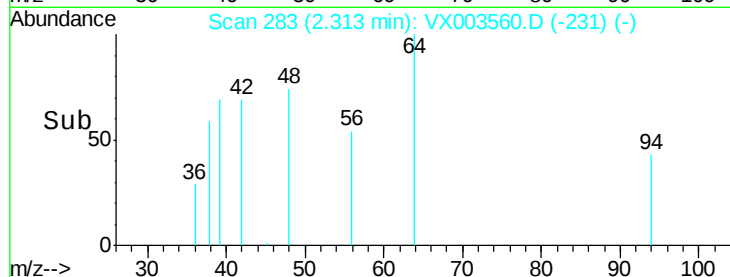
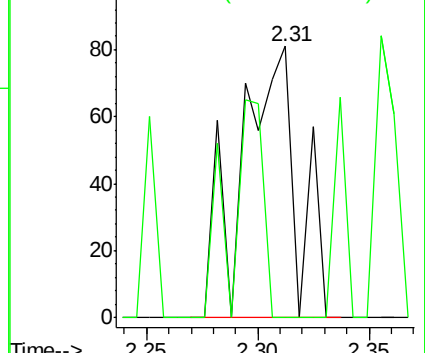
56 100

55 45.8 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: 0.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003560.D

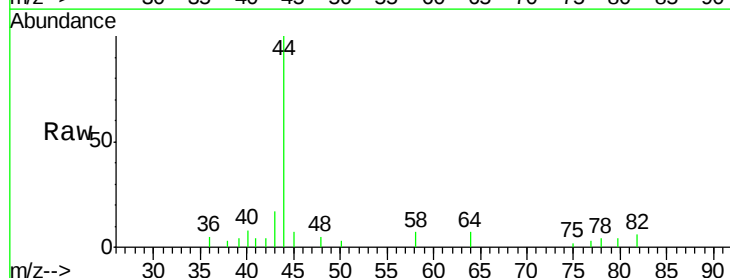
Acq: 21 Jul 2018 17:33

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

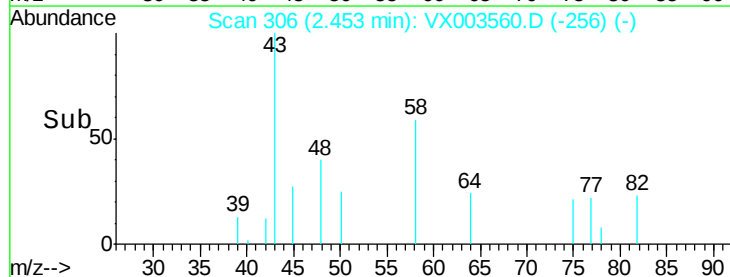
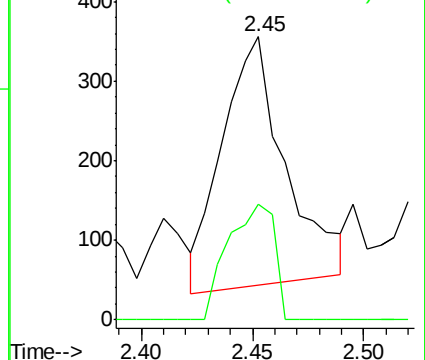
43 100

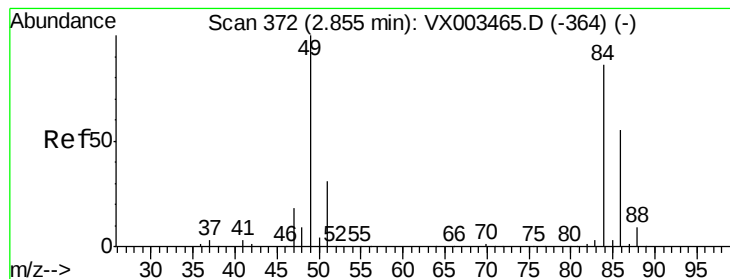
58 53.3 22.1 33.1#



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# 372

Delta R.T. 0.00 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-071218DL

Tot Ion: 84 Resp: 718

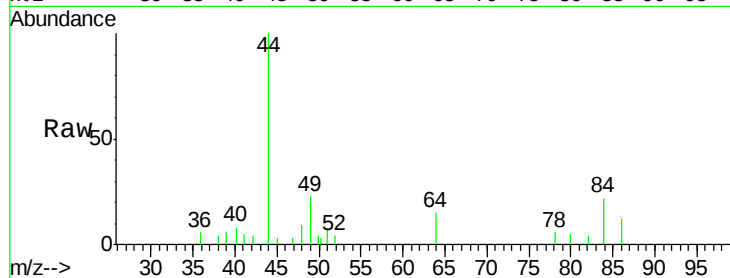
Ion Ratio Lower Upper

84 100

49 105.0 107.8 161.6#

51 38.4 32.8 49.2

86 54.9 52.5 78.7

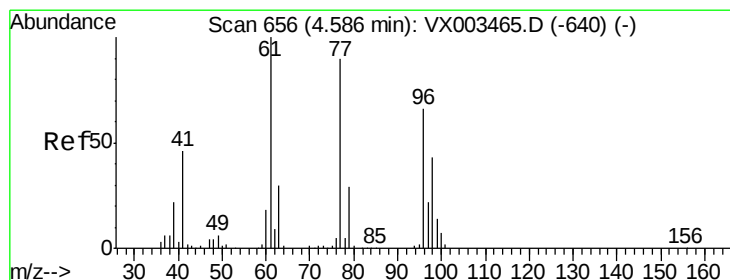
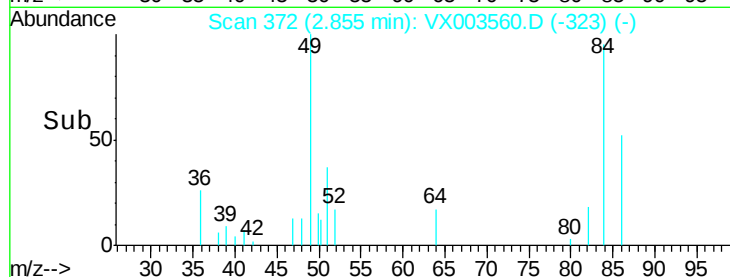
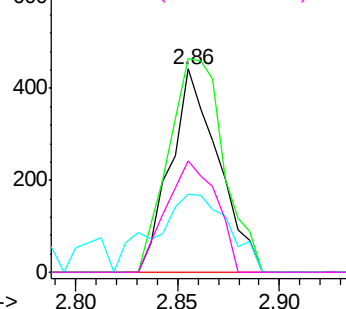


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#26

2,2-Dichloropropane

Concen: 0.20 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.20 min

Lab File: VX003560.D

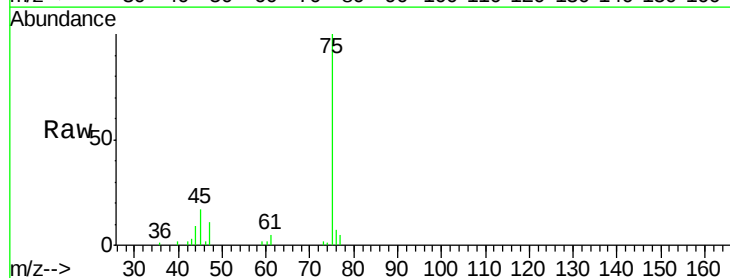
Acq: 21 Jul 2018 17:33

Tgt Ion: 77 Resp: 844

Ion Ratio Lower Upper

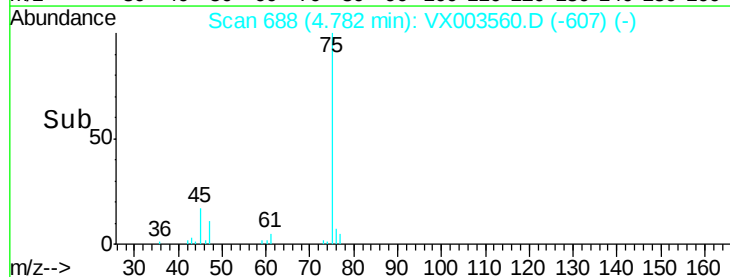
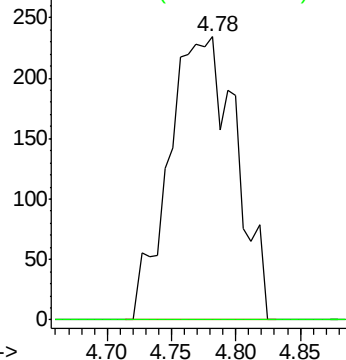
77 100

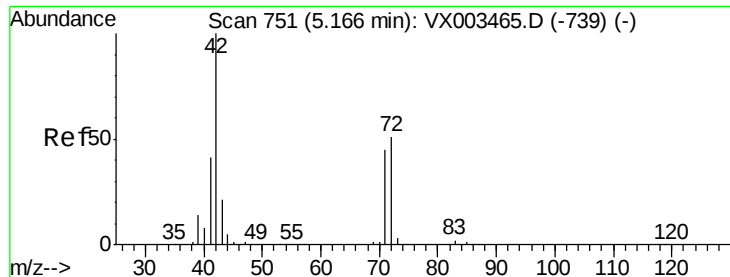
97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-071218DL

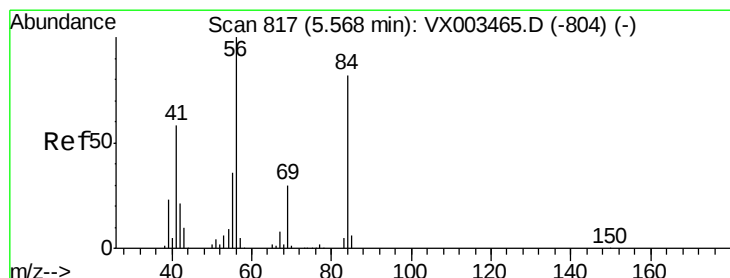
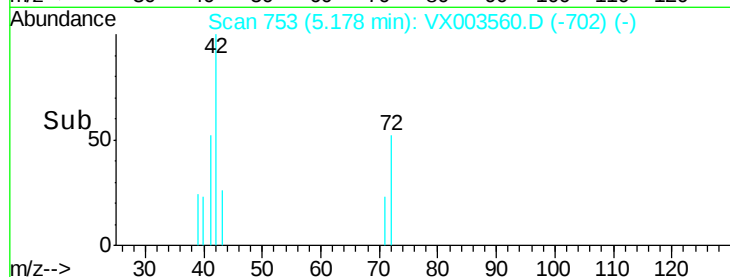
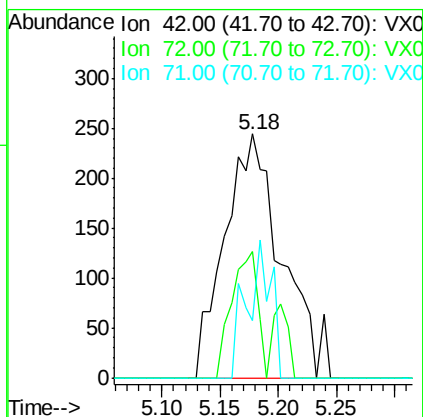
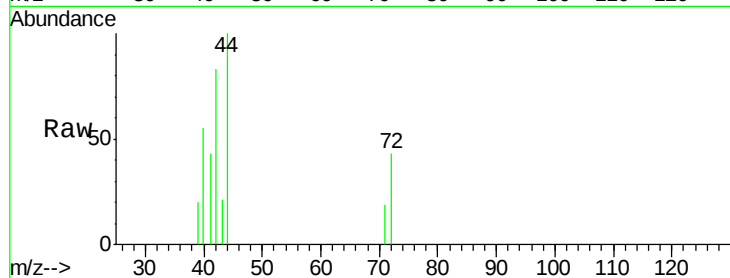
Tot Ion: 42 Resp: 834

Ion Ratio Lower Upper

42 100

72 23.5 32.0 48.0#

71 24.0 30.1 45.1#



#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

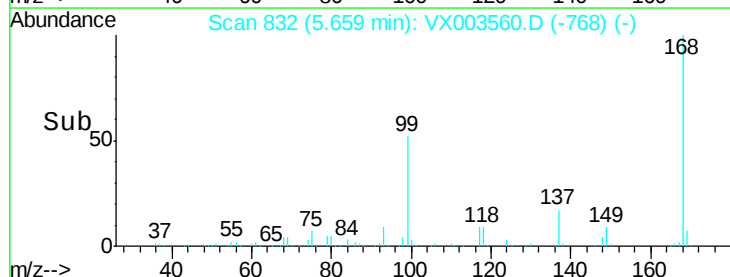
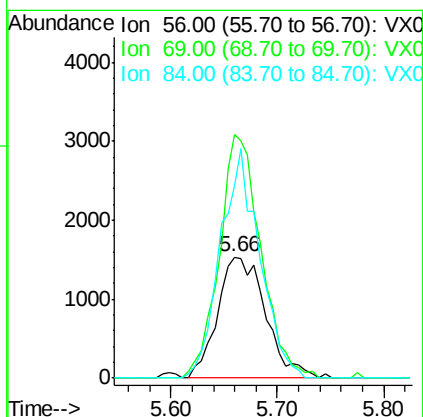
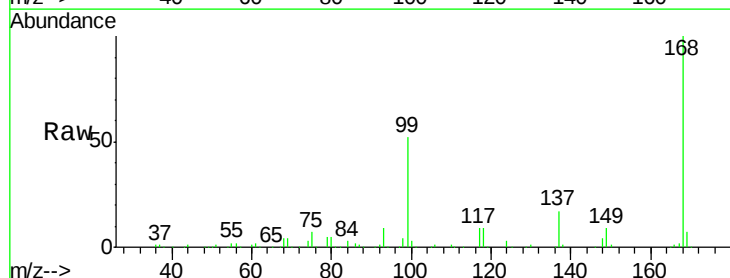
Tgt Ion: 56 Resp: 4824

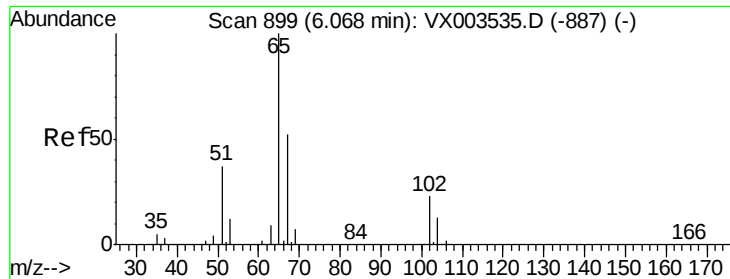
Ion Ratio Lower Upper

56 100

69 201.2 23.7 35.5#

84 158.8 64.1 96.1#

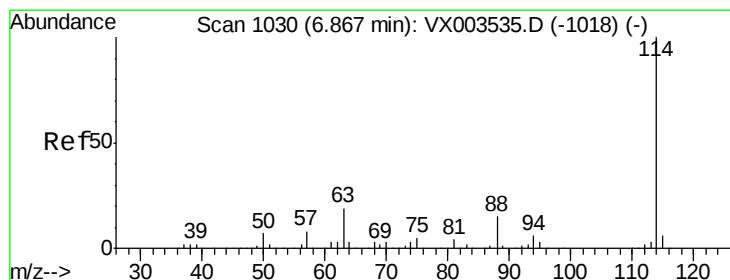
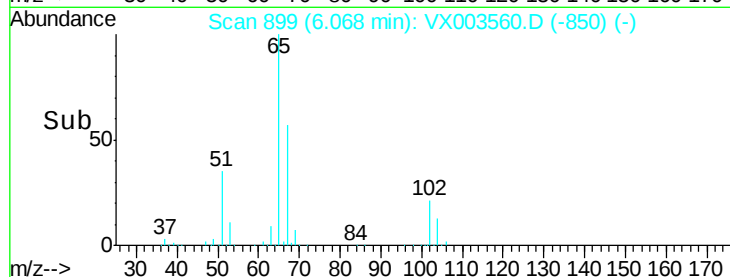
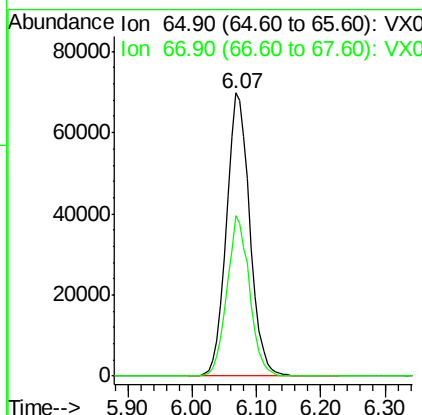
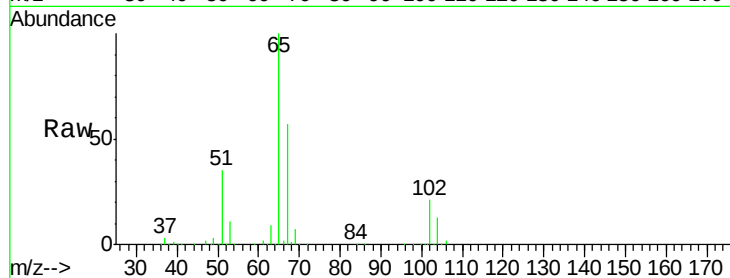




#33
 1,2-Dichloroethane-d4
 Concen: 54.88 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003560.D
 Acq: 21 Jul 2018 17:33

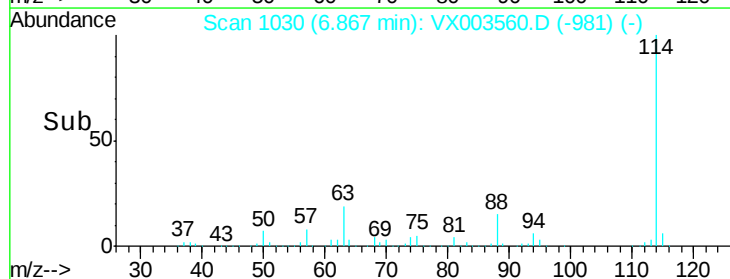
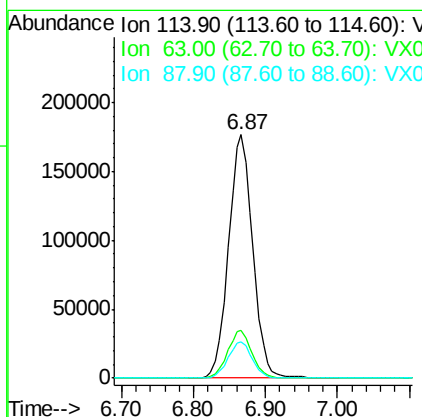
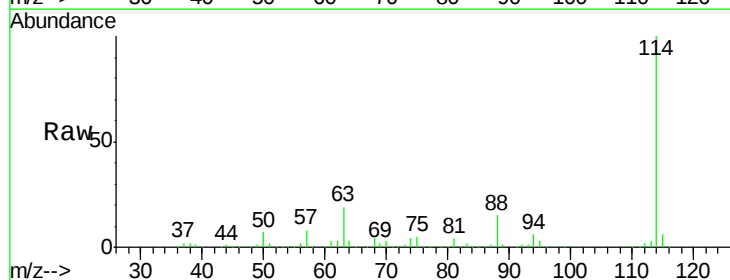
Instrument :
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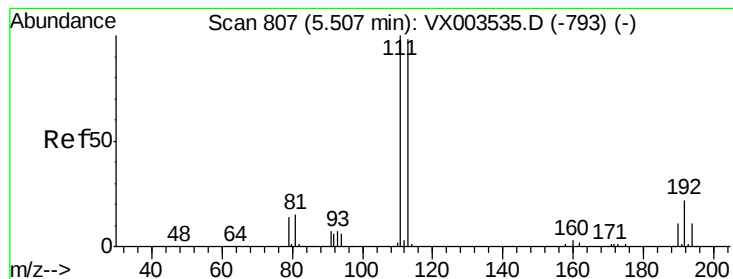
Tot Ion: 65 Resp: 178503
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003560.D
 Acq: 21 Jul 2018 17:33

Tgt Ion: 114 Resp: 412327
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.10 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-071218DL

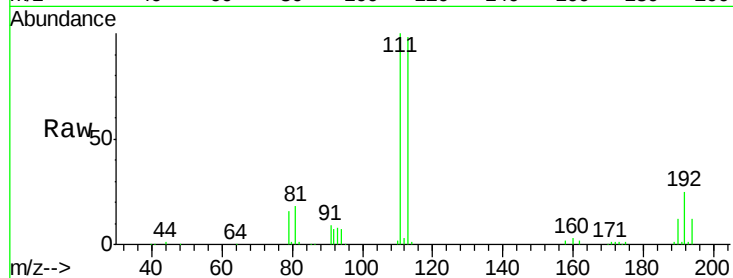
Tot Ion:113 Resp: 166771

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

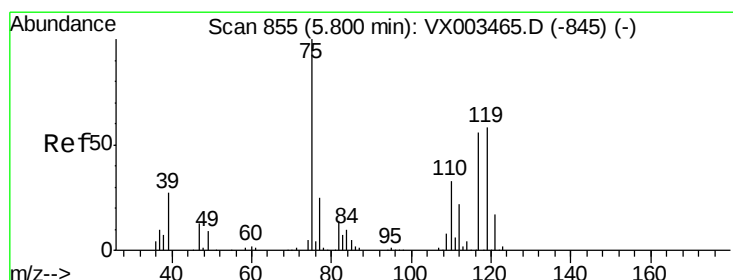
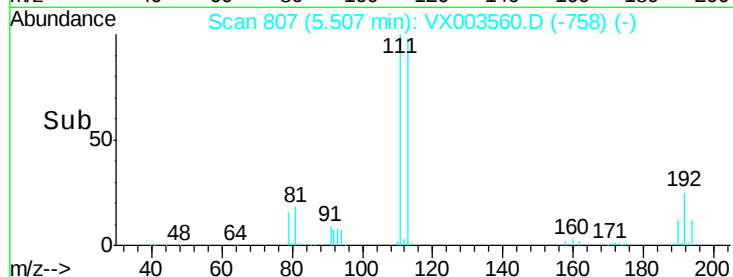
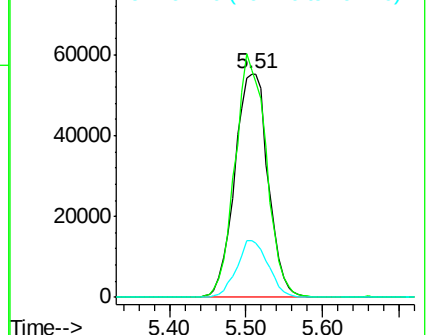
192 24.0 19.1 28.7



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: 3.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

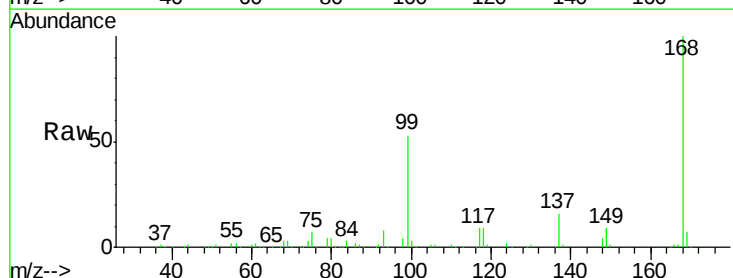
Tgt Ion: 75 Resp: 17676

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

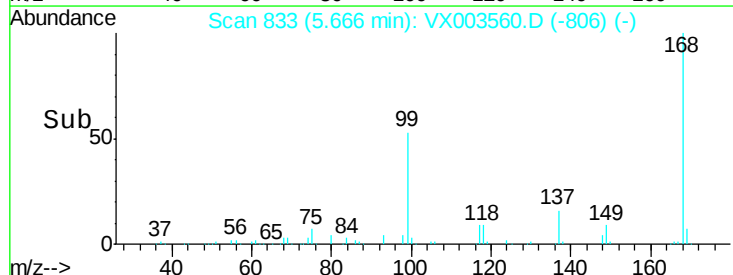
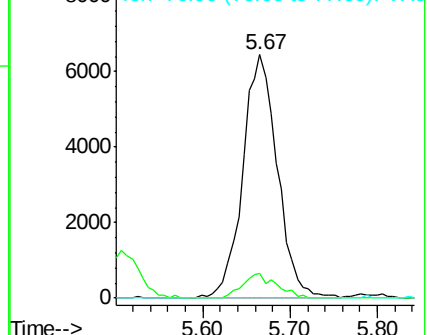
77 0.0 24.3 36.5#

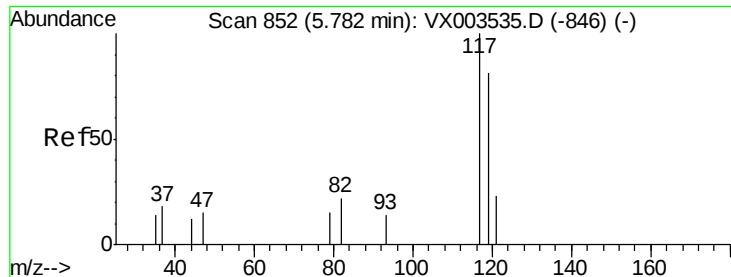


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-071218DL

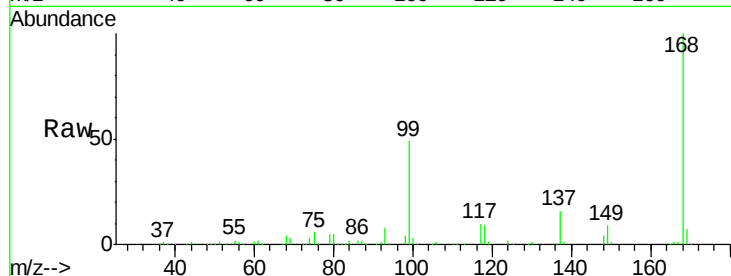
Tot Ion:117 Resp: 23924

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

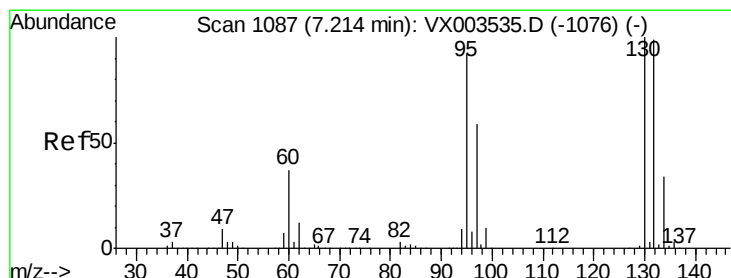
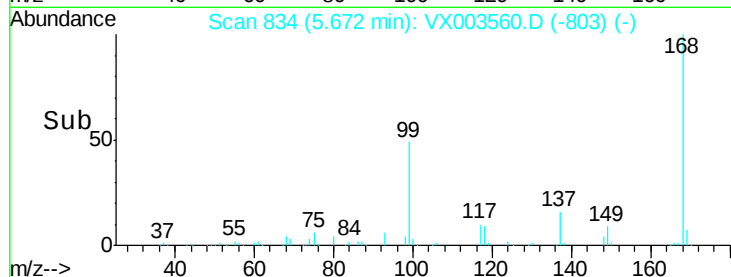
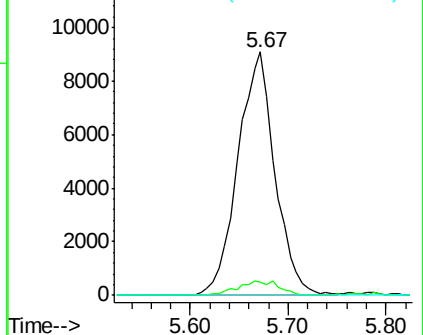
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 37.29 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003560.D

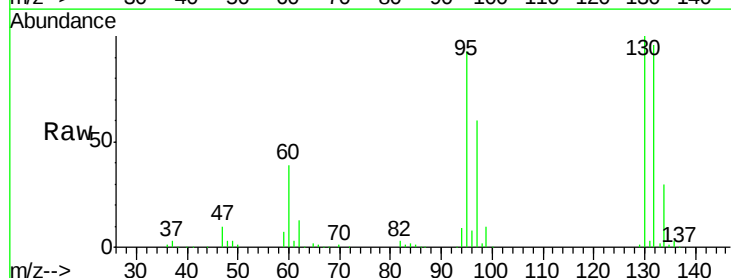
Acq: 21 Jul 2018 17:33

Tgt Ion:130 Resp: 149461

Ion Ratio Lower Upper

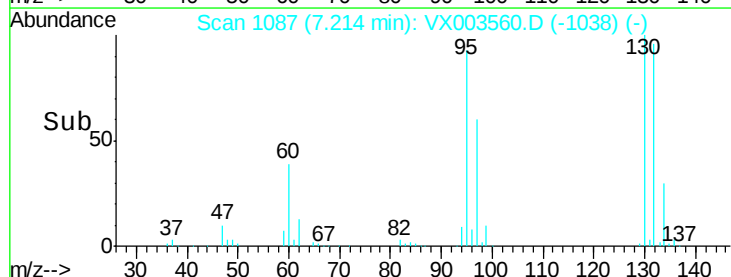
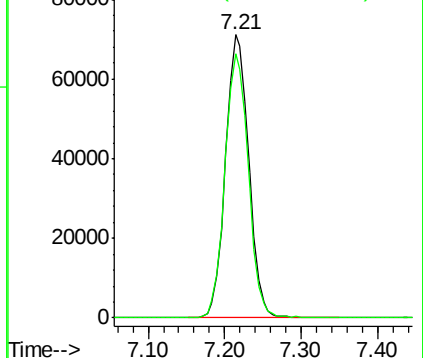
130 100

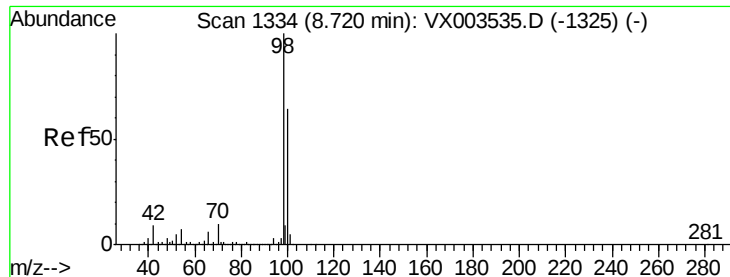
95 93.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

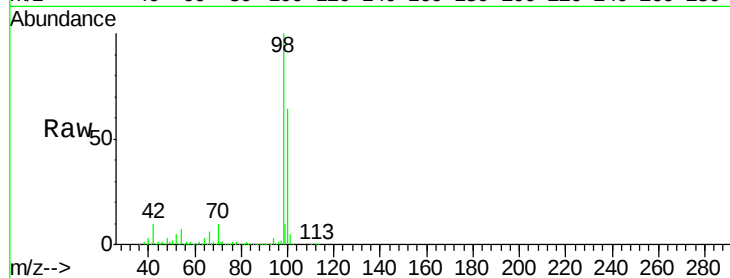
RE122D2-071218DL

Tot Ion: 98 Resp: 587936

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

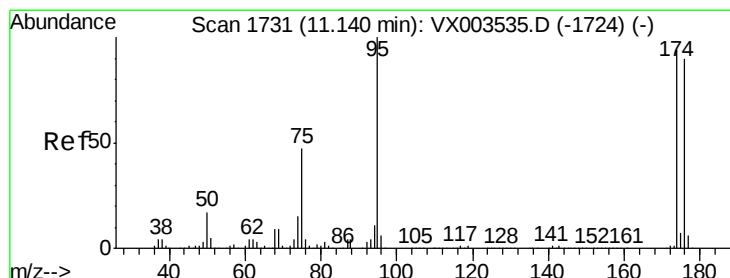
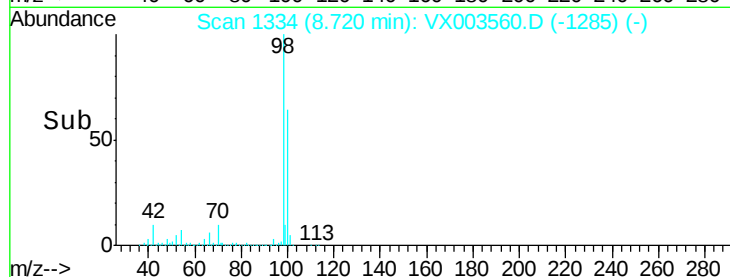
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

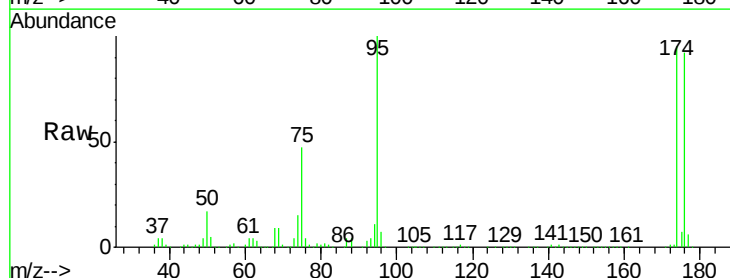
Tgt Ion: 95 Resp: 201656

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

176 91.8 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

11.14

200000

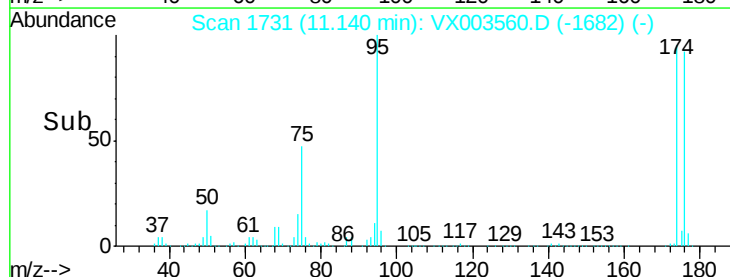
150000

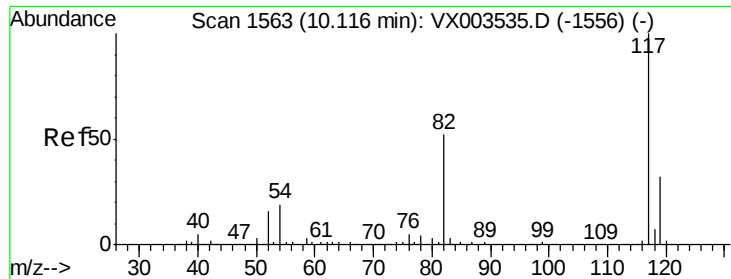
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-071218DL

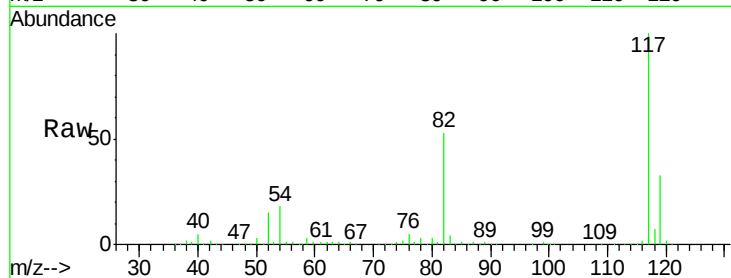
Tot Ion:117 Resp: 388018

Ion Ratio Lower Upper

117 100

82 52.5 45.0 67.4

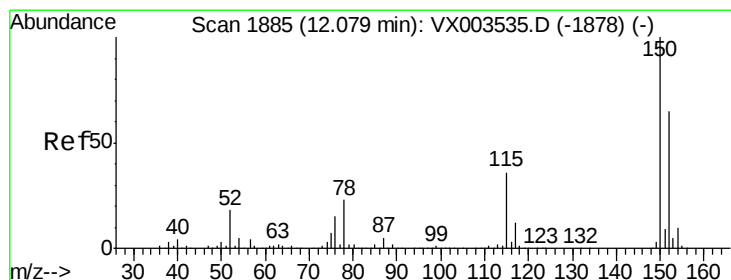
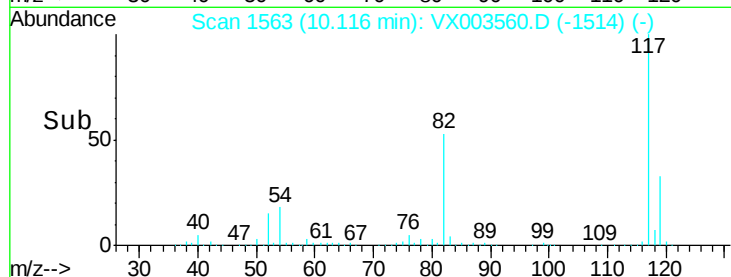
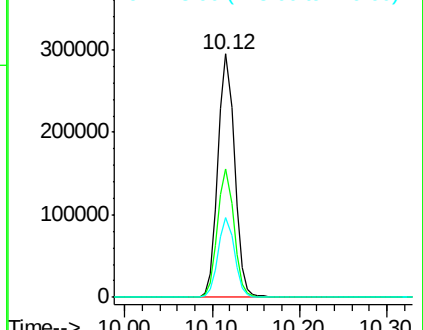
119 32.6 25.8 38.6



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: VX003560.D

Acq: 21 Jul 2018 17:33

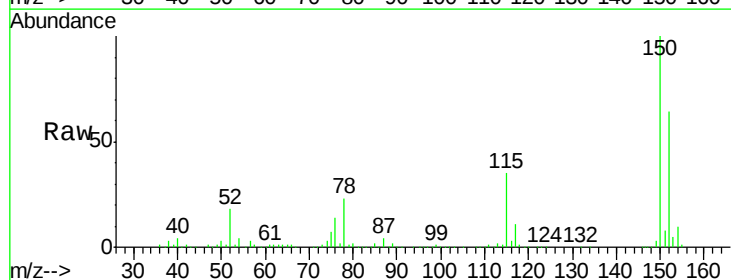
Tgt Ion:152 Resp: 213145

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

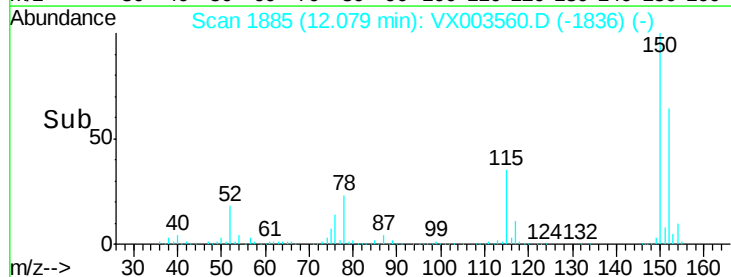
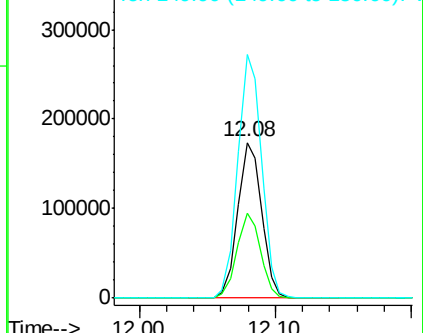
150 156.6 0.0 347.2

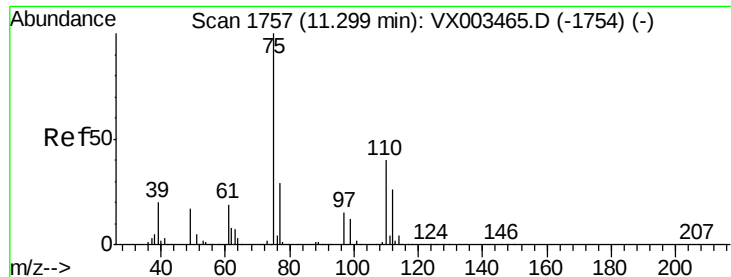


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

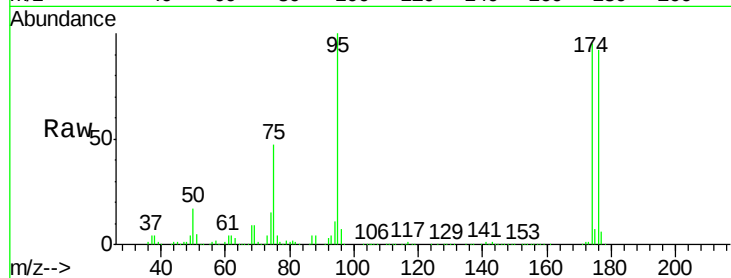
RE122D2-071218DL

Tot Ion: 75 Resp: 94747

Ion Ratio Lower Upper

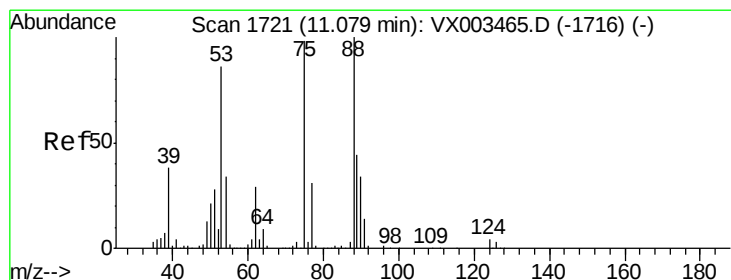
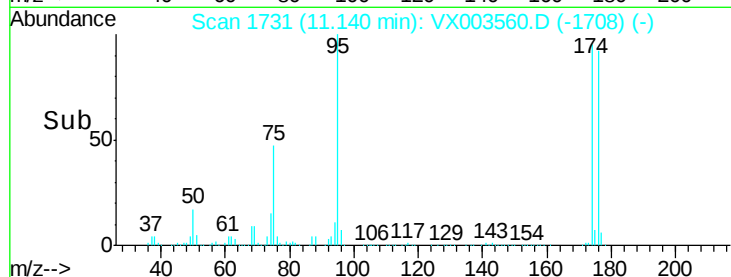
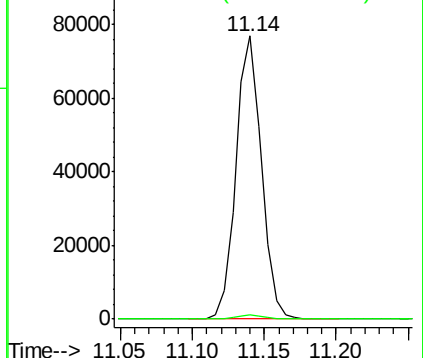
75 100

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: 69.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003560.D

Acq: 21 Jul 2018 17:33

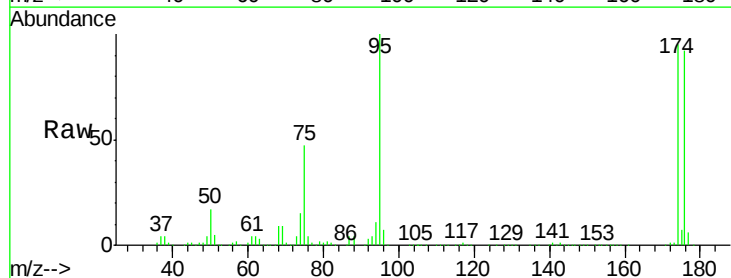
Tgt Ion: 75 Resp: 94747

Ion Ratio Lower Upper

75 100

53 0.2 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

