

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007954.D
 Acq On : 09 Mar 2019 01:48
 Operator : JC/SP
 Sample : K1793-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D2-20190305

Quant Time: Mar 09 03:57:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	270296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	397964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193871	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	148219	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
35) Dibromofluoromethane	5.51	113	137689	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
50) Toluene-d8	8.71	98	510922	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.13	95	188352	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	

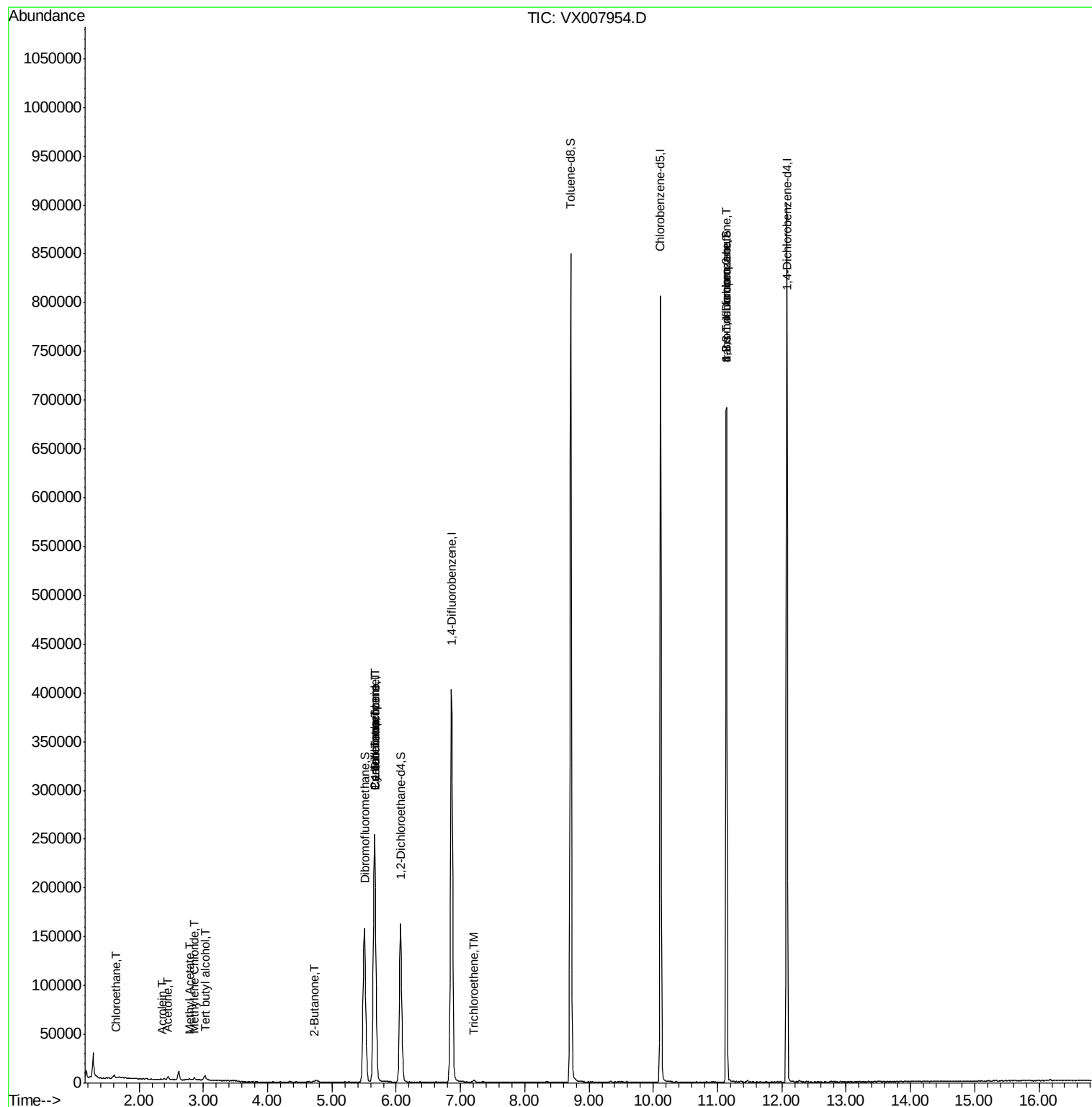
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	21	Below Cal		91
6) Chloroethane	1.64	64	4855	2.471	ug/l #	54
11) Tert butyl alcohol	3.02	59	3119	4.891	ug/l #	73
13) Acrolein	2.36	56	42	1.657	ug/l #	82
16) Acetone	2.45	43	3354	2.032	ug/l	90
17) Carbon Disulfide	2.57	76	665	Below Cal	#	70
18) Methyl Acetate	2.78	43	2112	0.602	ug/l	97
20) Methylene Chloride	2.86	84	915	0.348	ug/l #	86
25) 2-Butanone	4.72	43	480	0.205	ug/l #	50
31) Cyclohexane	5.67	56	4068	0.928	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16397	4.301	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23082	6.377	ug/l #	17
44) Trichloroethene	7.21	130	965	0.309	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	87198	21.434	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	87198	68.513	ug/l #	11

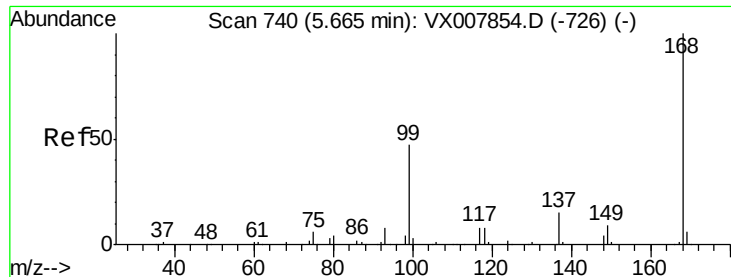
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

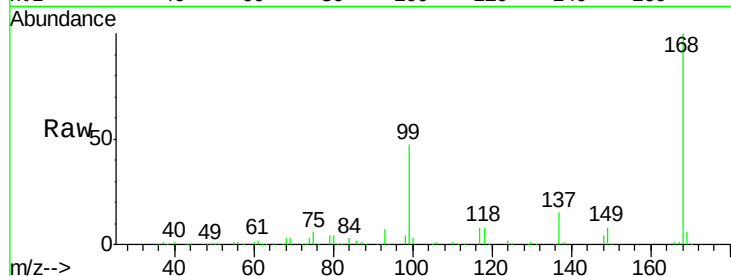
RE117D2-20190305

Tot Ion:168 Resp: 270296

Ion Ratio Lower Upper

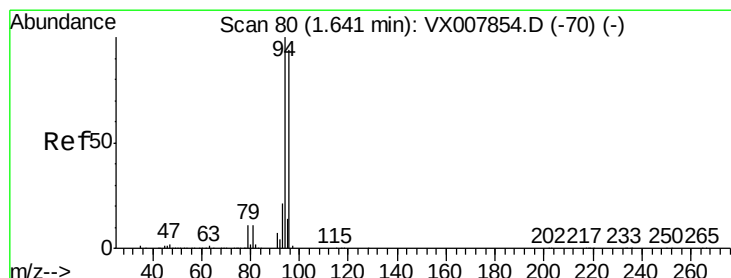
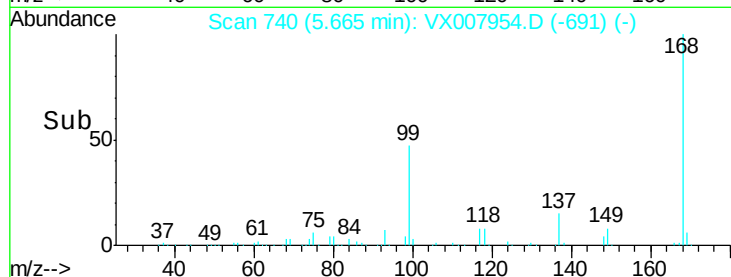
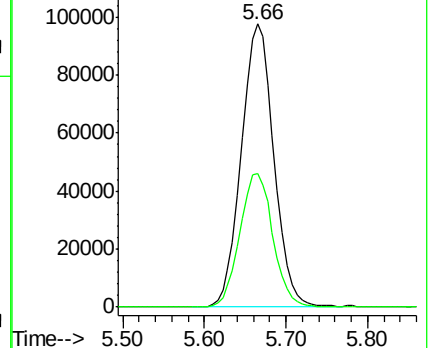
168 100

99 47.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007954.D

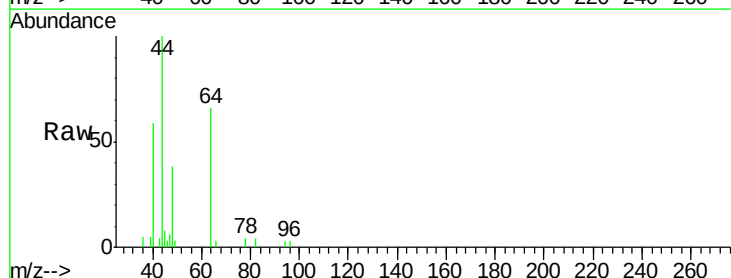
Acq: 09 Mar 2019 01:48

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

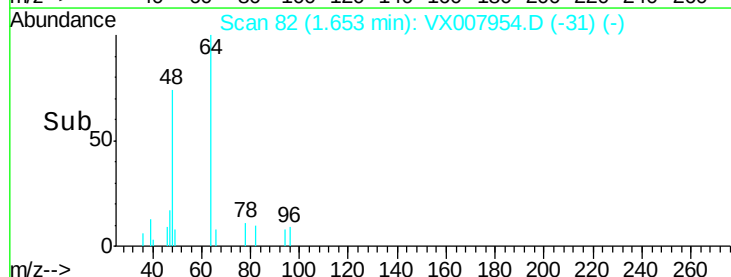
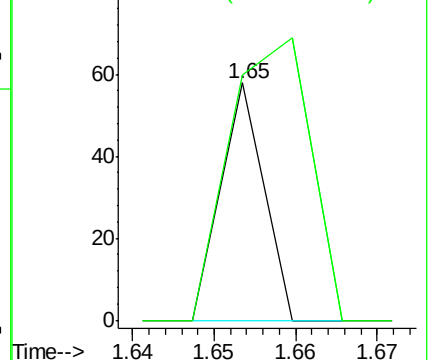
94 100

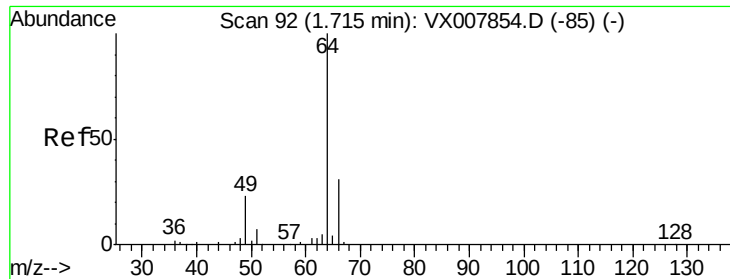
96 103.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.471 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

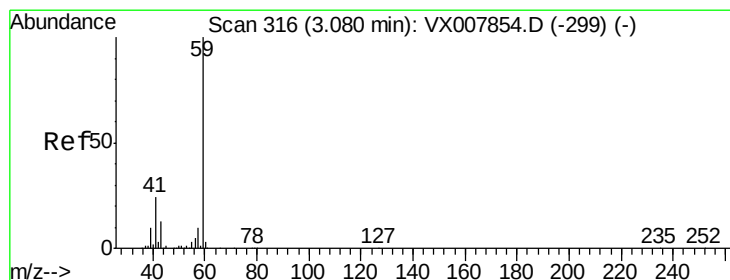
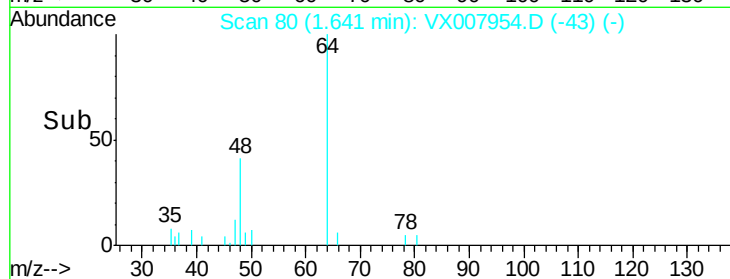
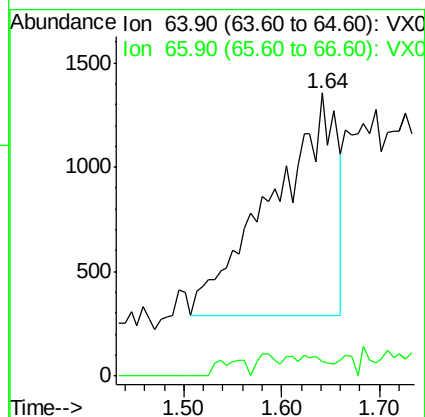
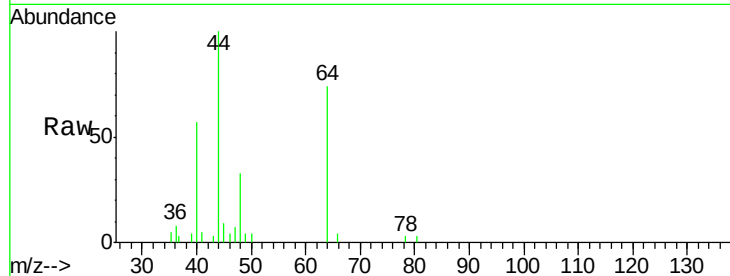
RE117D2-20190305

Tot Ion: 64 Resp: 4855

Ion Ratio Lower Upper

64 100

66 6.3 25.2 37.8#



#11

Tert butyl alcohol

Concen: 4.891 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007954.D

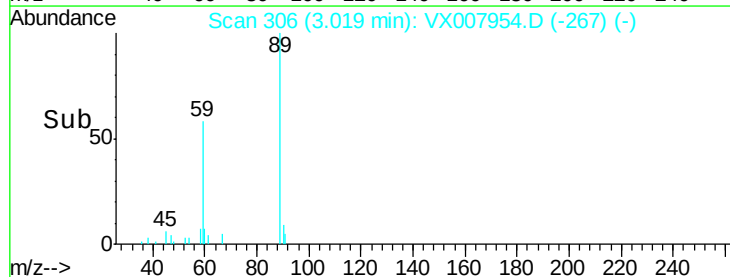
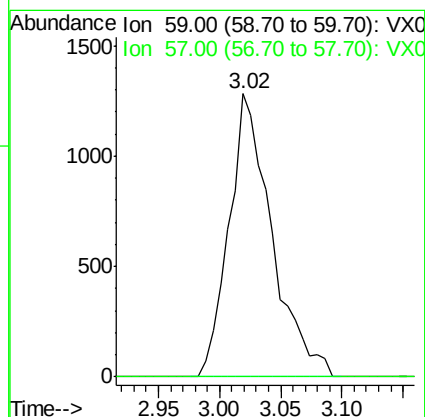
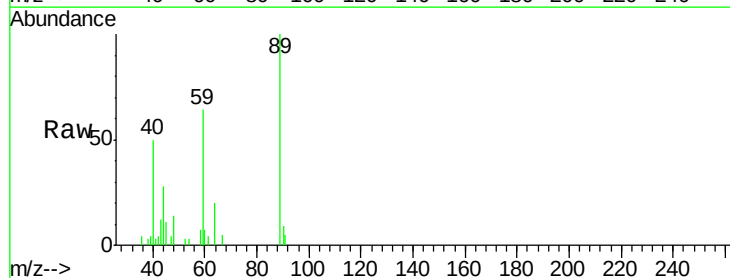
Acq: 09 Mar 2019 01:48

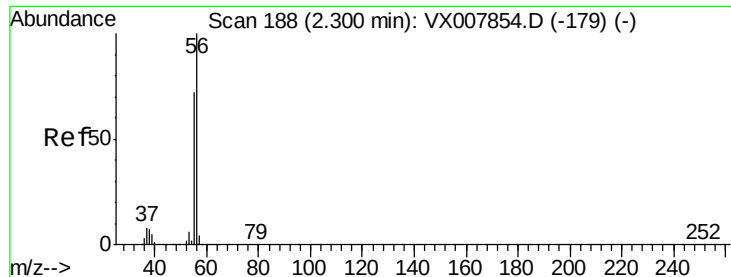
Tgt Ion: 59 Resp: 3119

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.657 ug/l

RT: 2.36 min Scan# 198

Delta R.T. 0.06 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

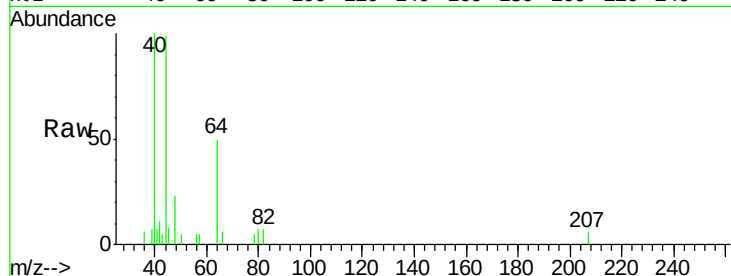
RE117D2-20190305

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

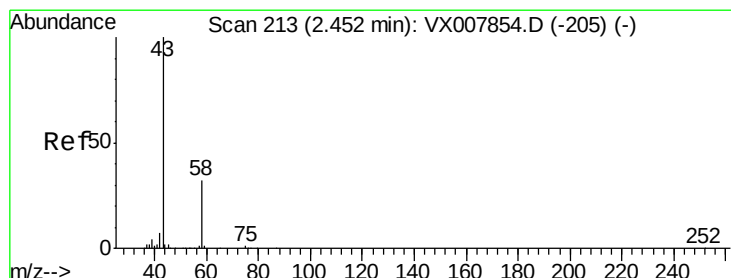
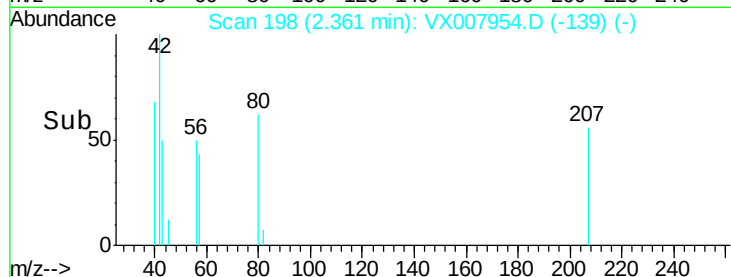
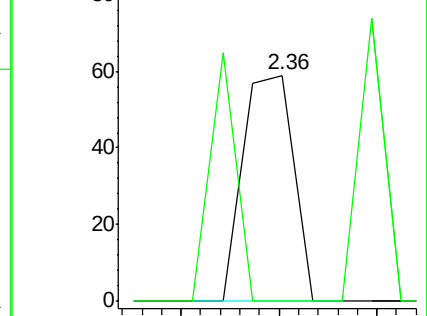
56 100

55 57.1 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.032 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007954.D

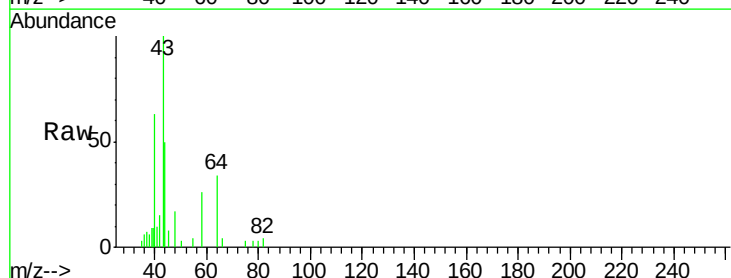
Acq: 09 Mar 2019 01:48

Tgt Ion: 43 Resp: 3354

Ion Ratio Lower Upper

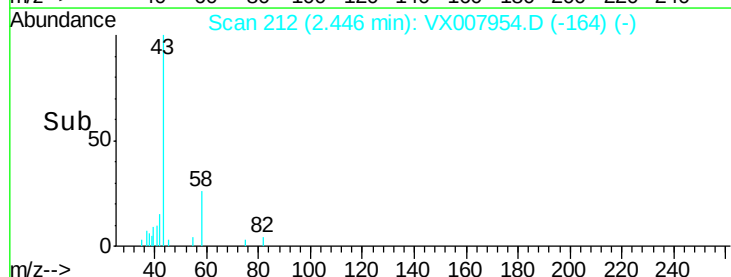
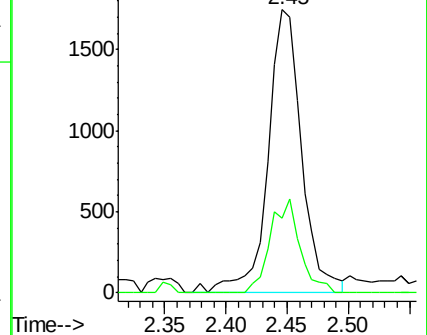
43 100

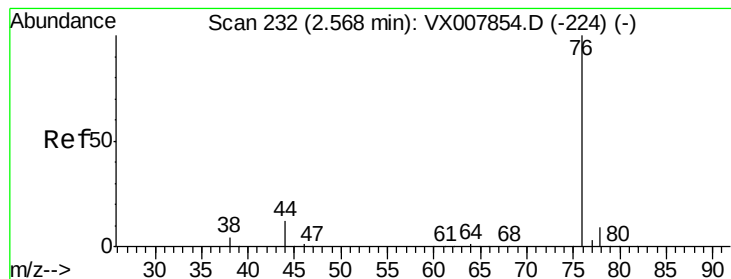
58 26.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

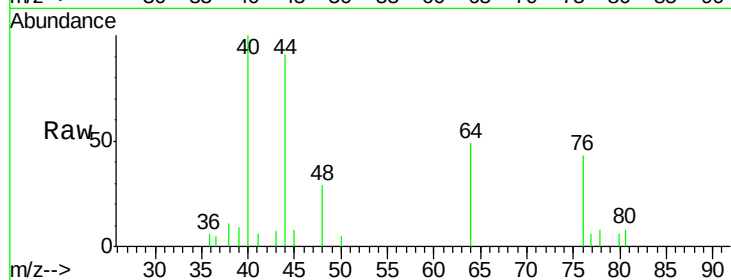
RE117D2-20190305

Tot Ion: 76 Resp: 665

Ion Ratio Lower Upper

76 100

78 19.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

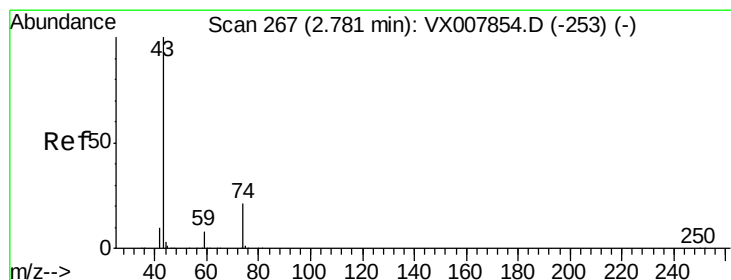
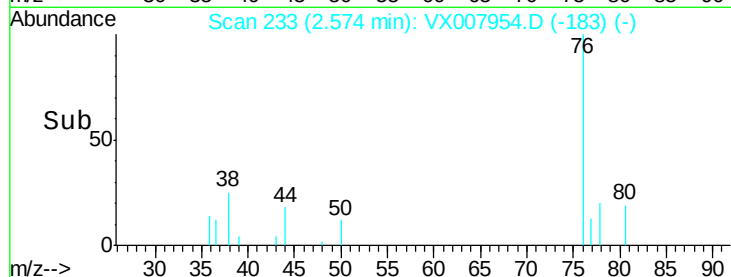
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.602 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007954.D

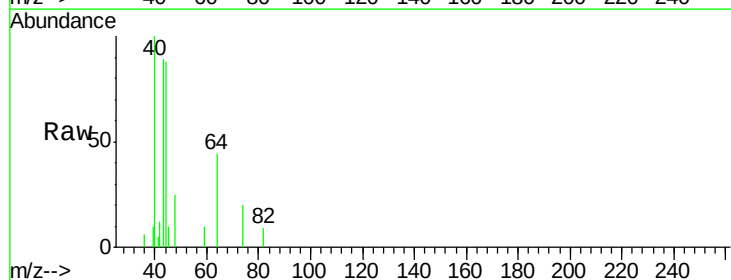
Acq: 09 Mar 2019 01:48

Tgt Ion: 43 Resp: 2112

Ion Ratio Lower Upper

43 100

74 20.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

1000

800

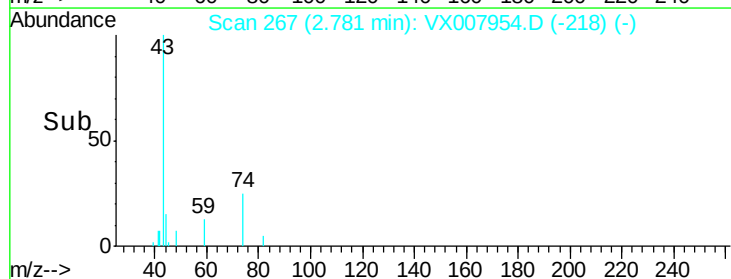
600

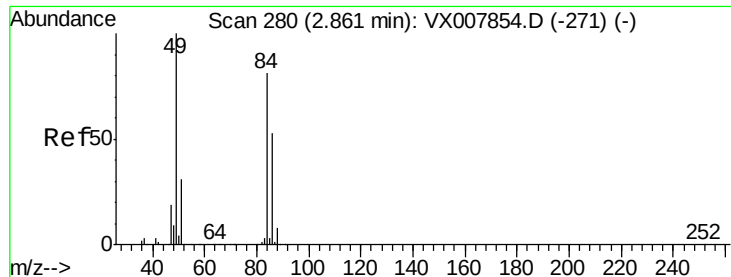
400

200

0

Time-->

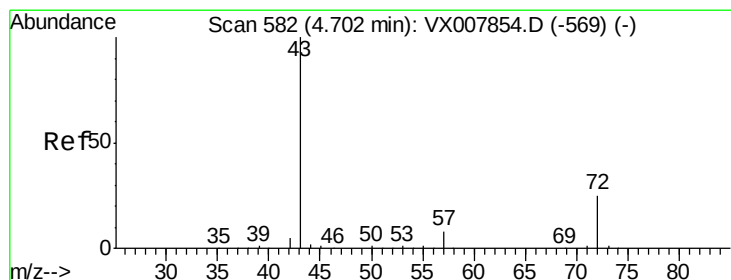
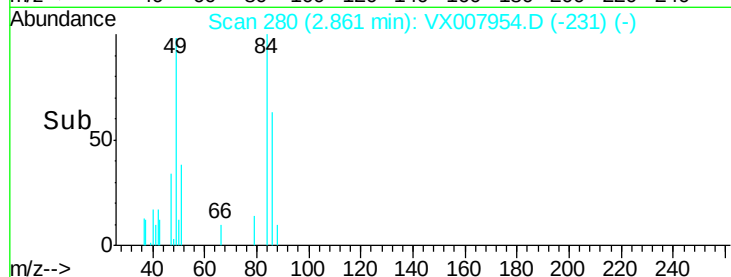
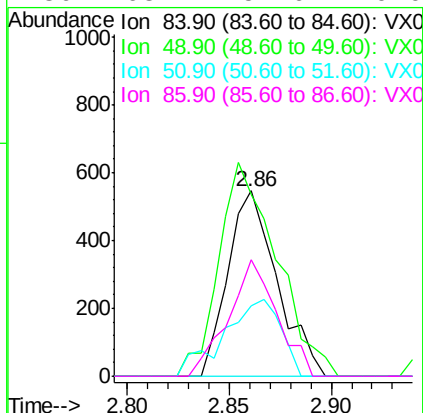
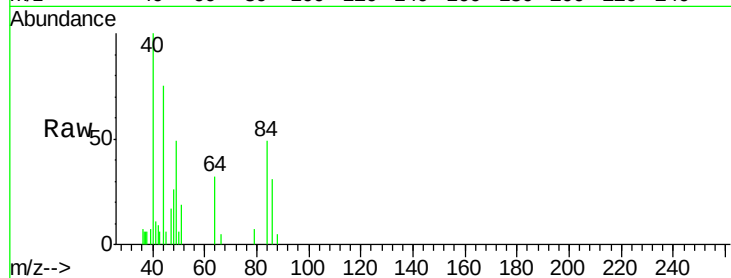




#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007954.D
Acq: 09 Mar 2019 01:48

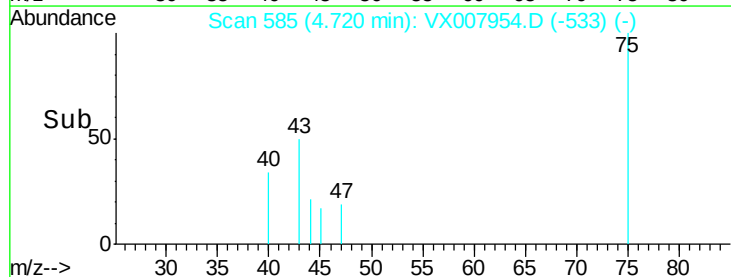
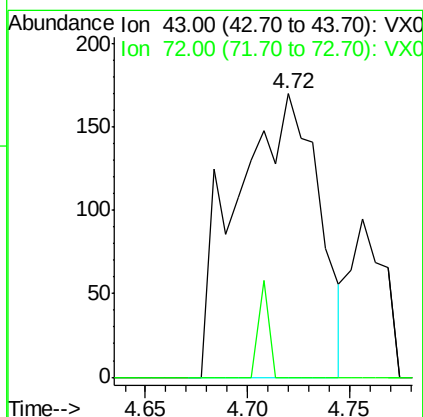
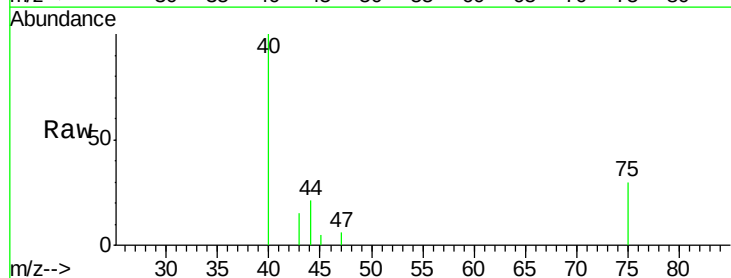
Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20190305

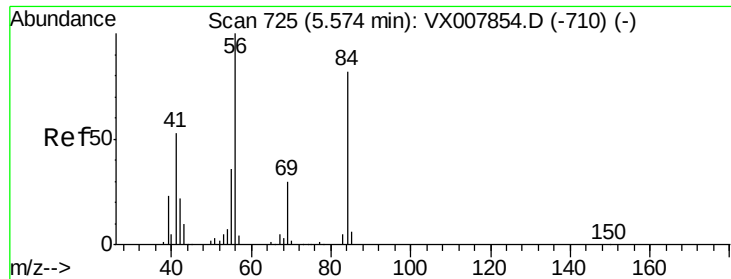
Tot Ion:	84	Resp:	915
Ion	Ratio	Lower	Upper
84	100		
49	98.4	99.3	148.9#
51	37.7	31.3	46.9
86	63.2	52.6	79.0



#25
2-Butanone
Concen: 0.205 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX007954.D
Acq: 09 Mar 2019 01:48

Tgt Ion:	43	Resp:	480
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

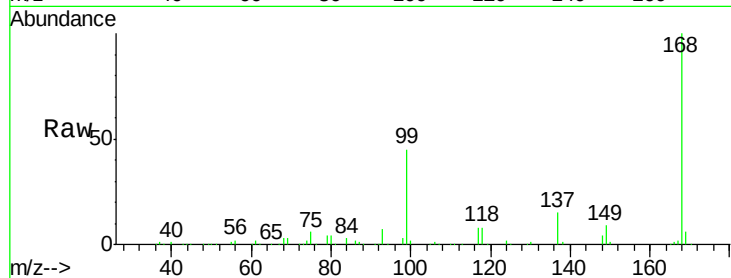




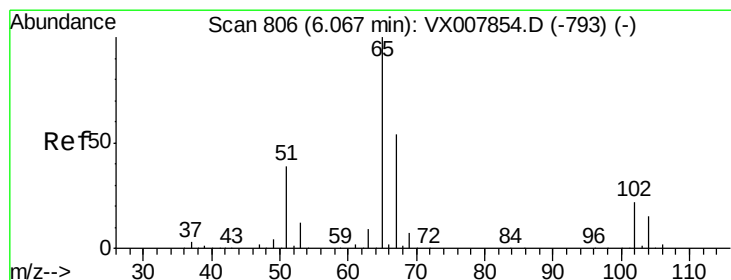
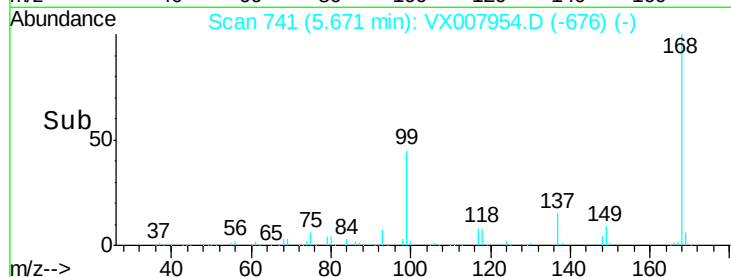
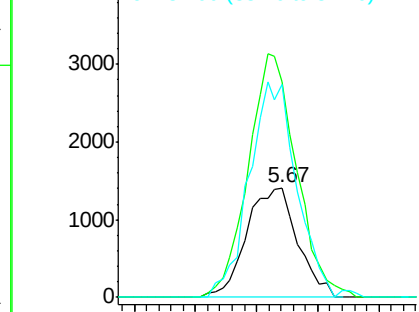
#31
Cyclohexane
Concen: 0.928 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX007954.D
Acq: 09 Mar 2019 01:48

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20190305

Tot Ion: 56 Resp: 4068
Ion Ratio Lower Upper
56 100
69 196.2 24.0 36.0#
84 194.6 65.3 97.9#

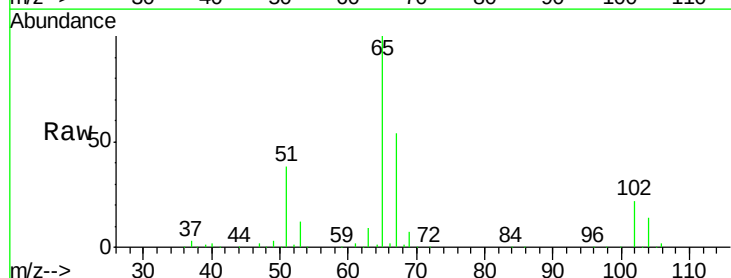


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

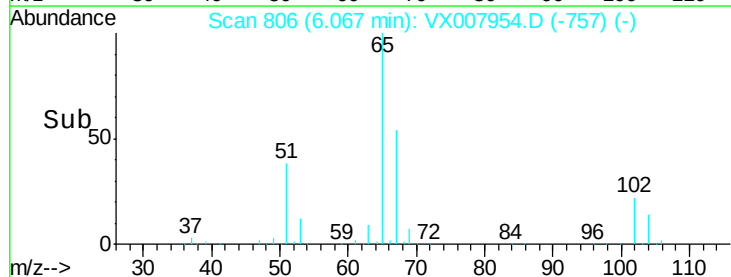
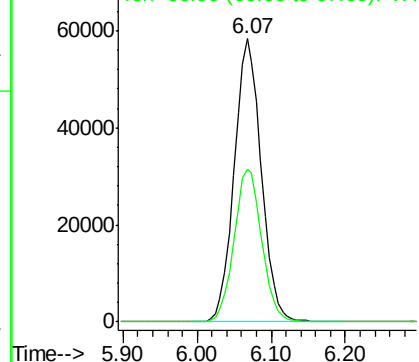


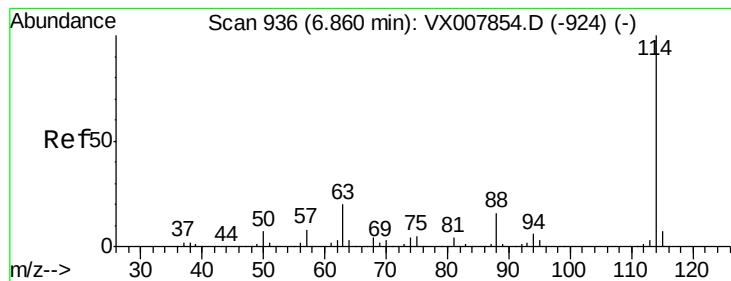
#33
1,2-Dichloroethane-d4
Concen: 51.982 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007954.D
Acq: 09 Mar 2019 01:48

Tgt Ion: 65 Resp: 148219
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20190305

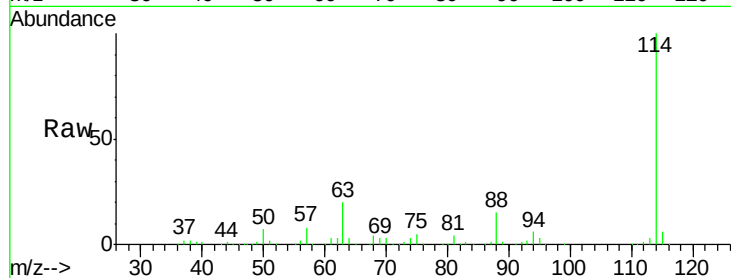
Tot Ion:114 Resp: 421063

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

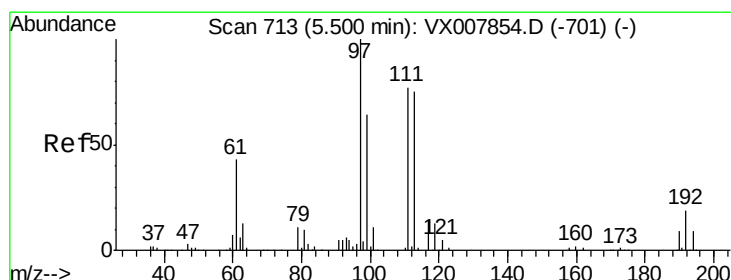
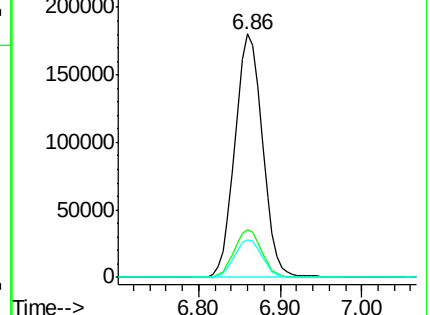
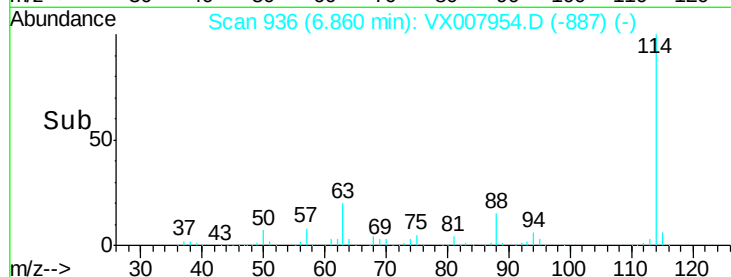
88 15.4 0.0 31.4



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: 51.121 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

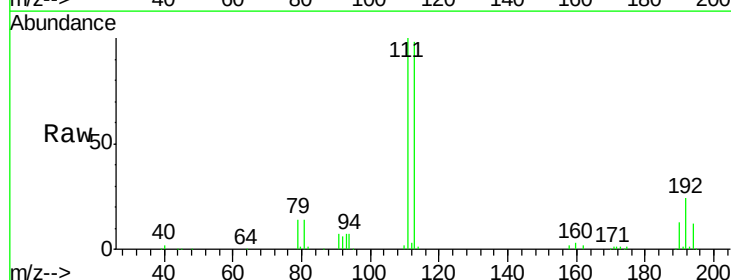
Tgt Ion:113 Resp: 137689

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

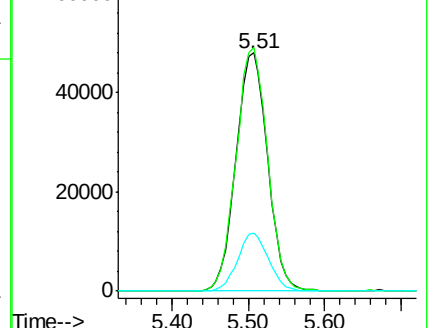
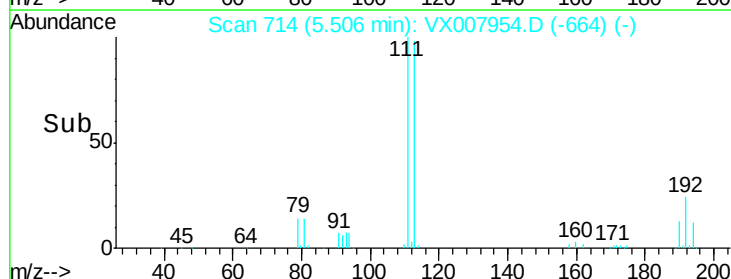
192 23.9 19.4 29.0

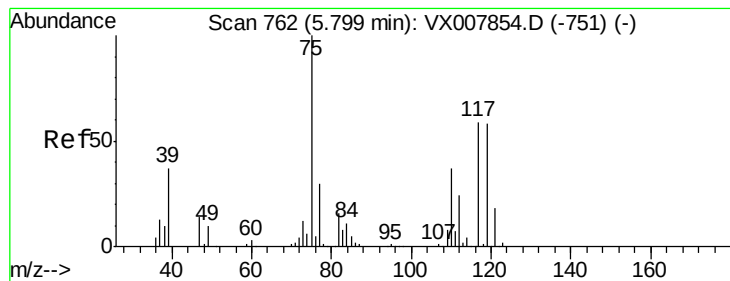


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.301 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20190305

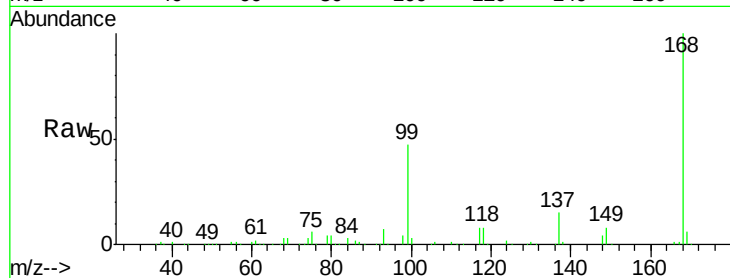
Tot Ion: 75 Resp: 16397

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.0#

77 0.0 25.0 37.4#

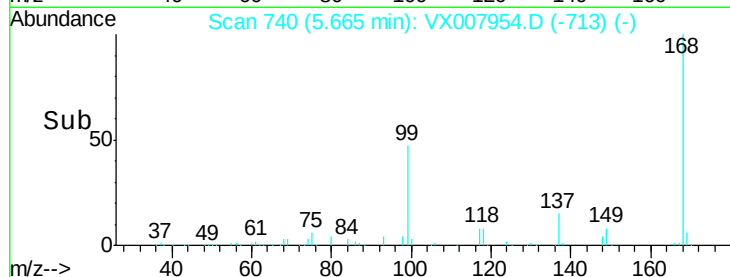


Abundance Ion 74.90 (74.60 to 75.60): VX007954.D (-713) (-)

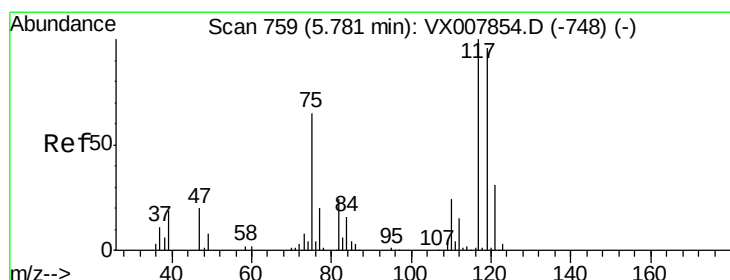
Ion 109.90 (109.60 to 110.60): VX007954.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007954.D (-713) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

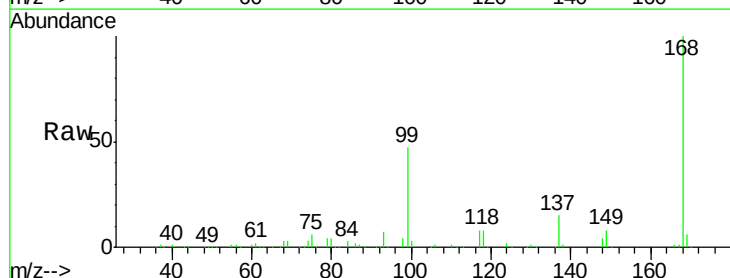
Tgt Ion: 117 Resp: 23082

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 24.6 36.8#

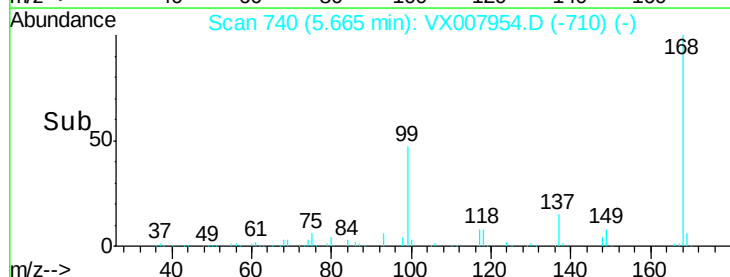


Abundance Ion 116.80 (116.50 to 117.50): VX007954.D (-710) (-)

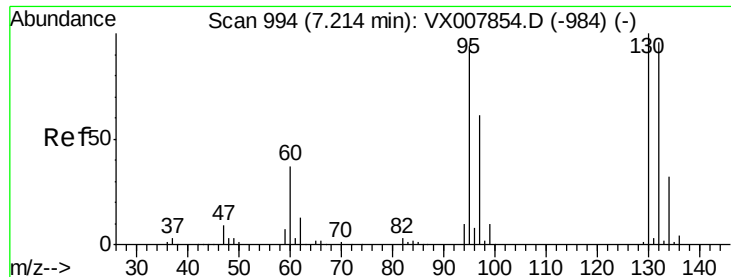
Ion 118.80 (118.50 to 119.50): VX007954.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX007954.D (-710) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 0.309 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

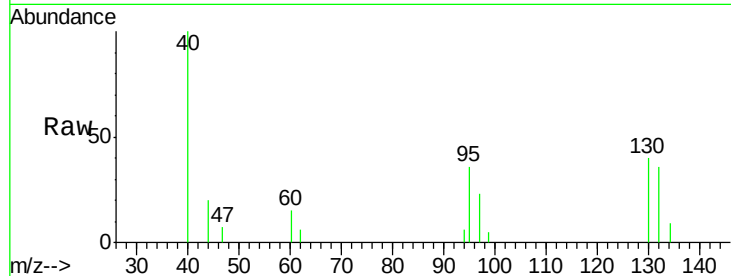
RE117D2-20190305

Tot Ion:130 Resp: 965

Ion Ratio Lower Upper

130 100

95 90.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

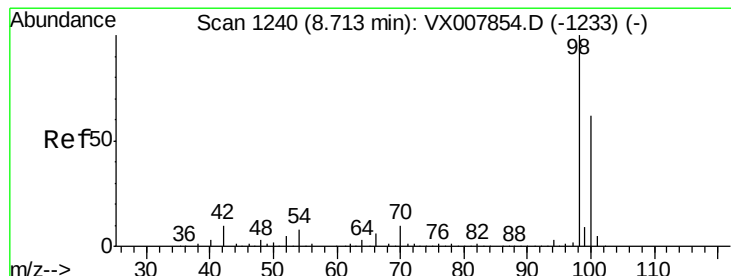
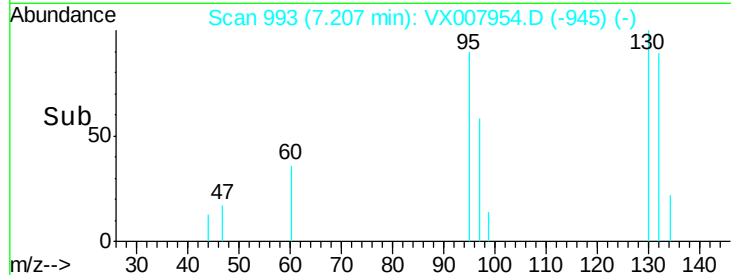
300

200

100

0

Time-->



#50

Toluene-d8

Concen: 51.652 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007954.D

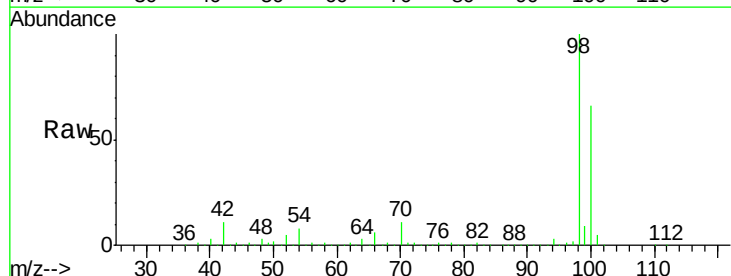
Acq: 09 Mar 2019 01:48

Tgt Ion: 98 Resp: 510922

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

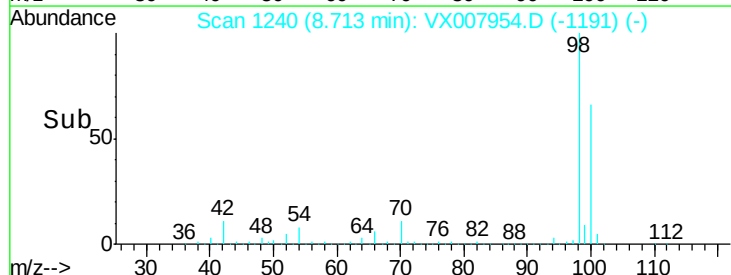
300000

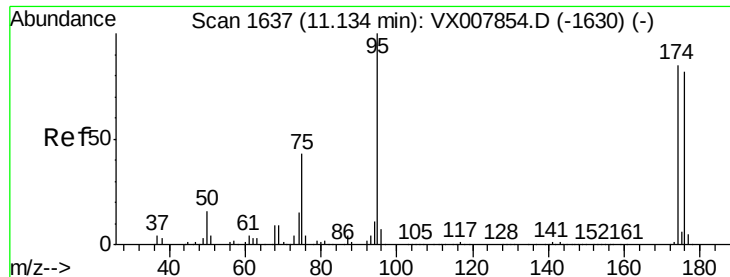
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 54.311 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20190305

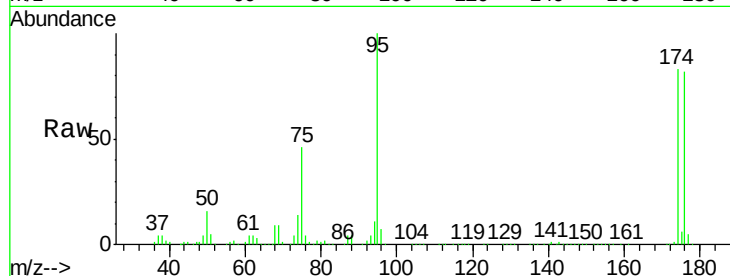
Tot Ion: 95 Resp: 188352

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

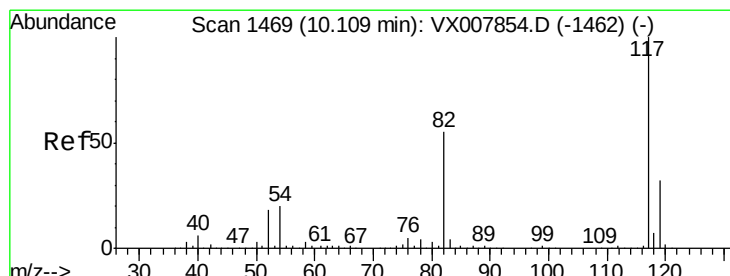
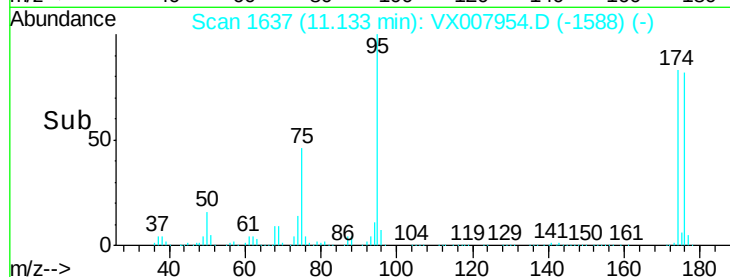
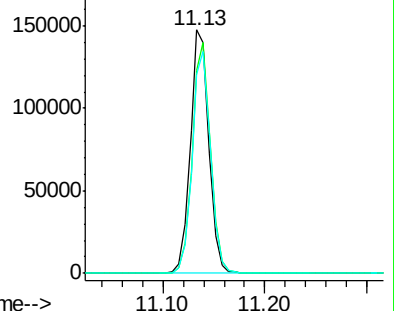
176 89.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

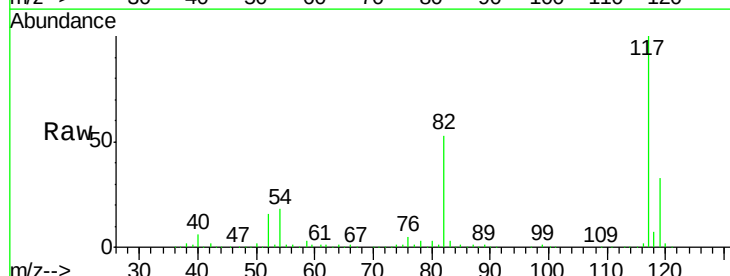
Tgt Ion: 117 Resp: 397964

Ion Ratio Lower Upper

117 100

82 53.2 44.3 66.5

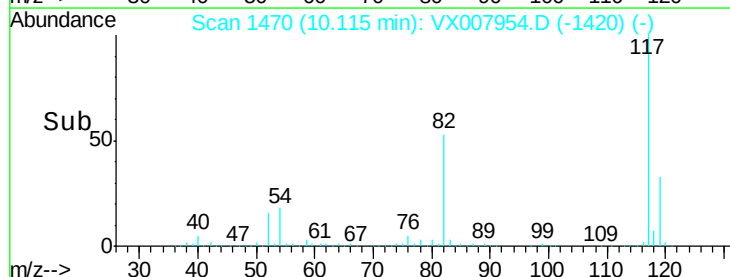
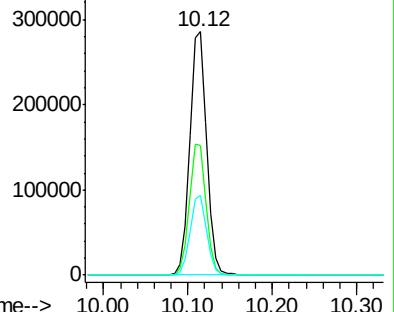
119 32.5 25.3 37.9

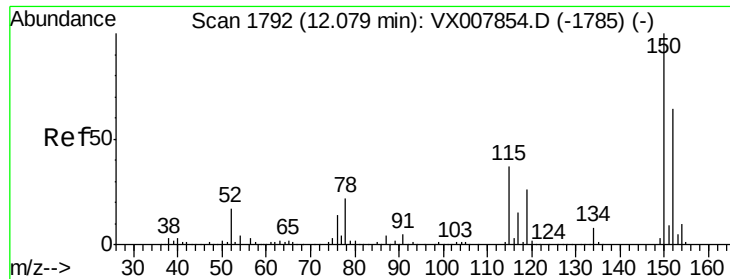


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20190305

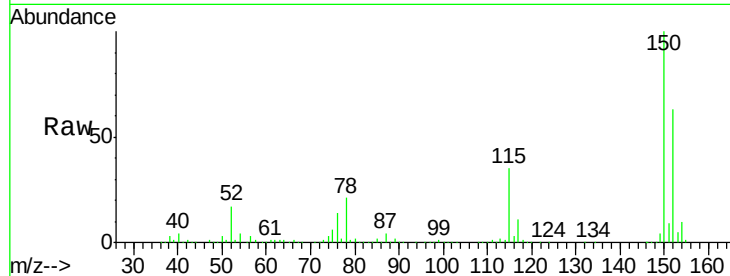
Tot Ion:152 Resp: 193871

Ion Ratio Lower Upper

152 100

115 55.4 38.6 115.7

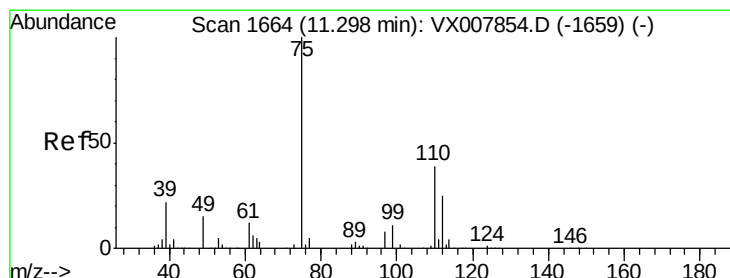
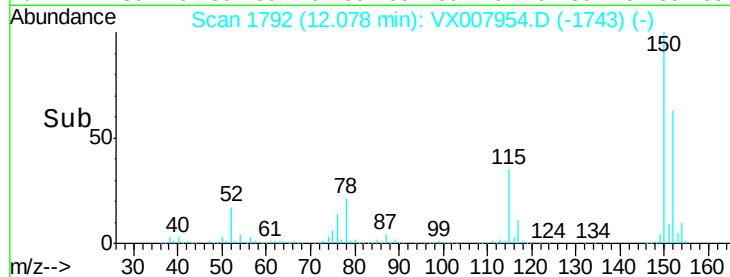
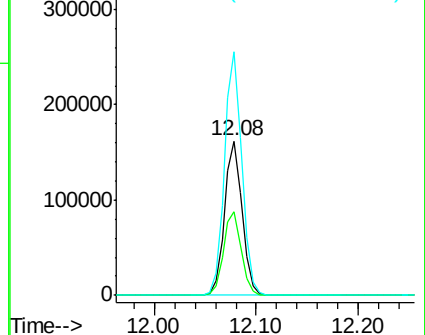
150 156.9 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.434 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007954.D

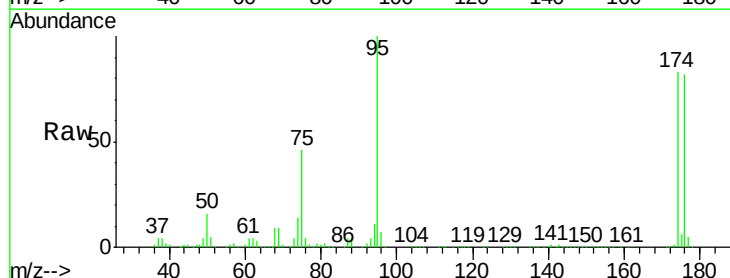
Acq: 09 Mar 2019 01:48

Tgt Ion: 75 Resp: 87198

Ion Ratio Lower Upper

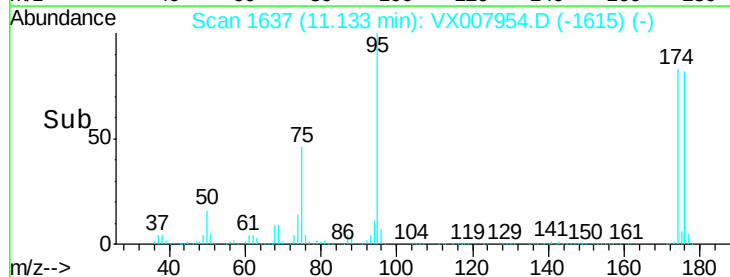
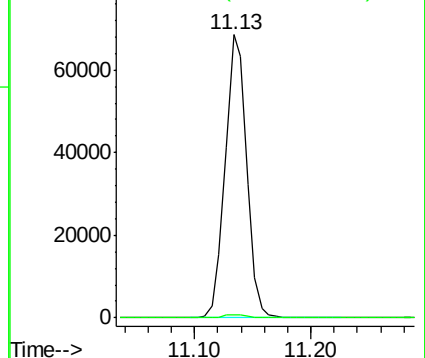
75 100

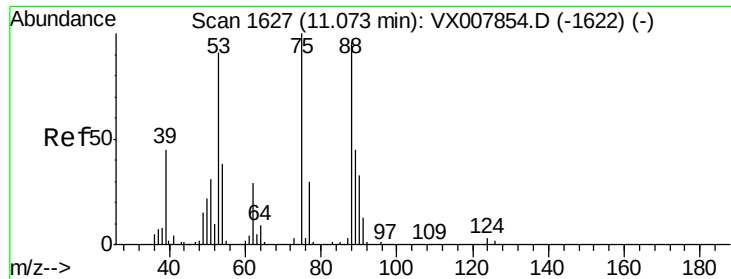
77 1.3 18.9 56.7#



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: 68.513 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007954.D

Acq: 09 Mar 2019 01:48

Instrument :

MSVOA_X

ClientSampleId :

RE117D2-20190305

Tot Ion: 75 Resp: 87198

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

