

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008015.D
 Acq On : 12 Mar 2019 14:48
 Operator : JC/SP
 Sample : K1841-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

Quant Time: Mar 13 05:19:43 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	5.67	168	253098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178444	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	138694	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.51	113	127263	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	8.71	98	475842	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	174549	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

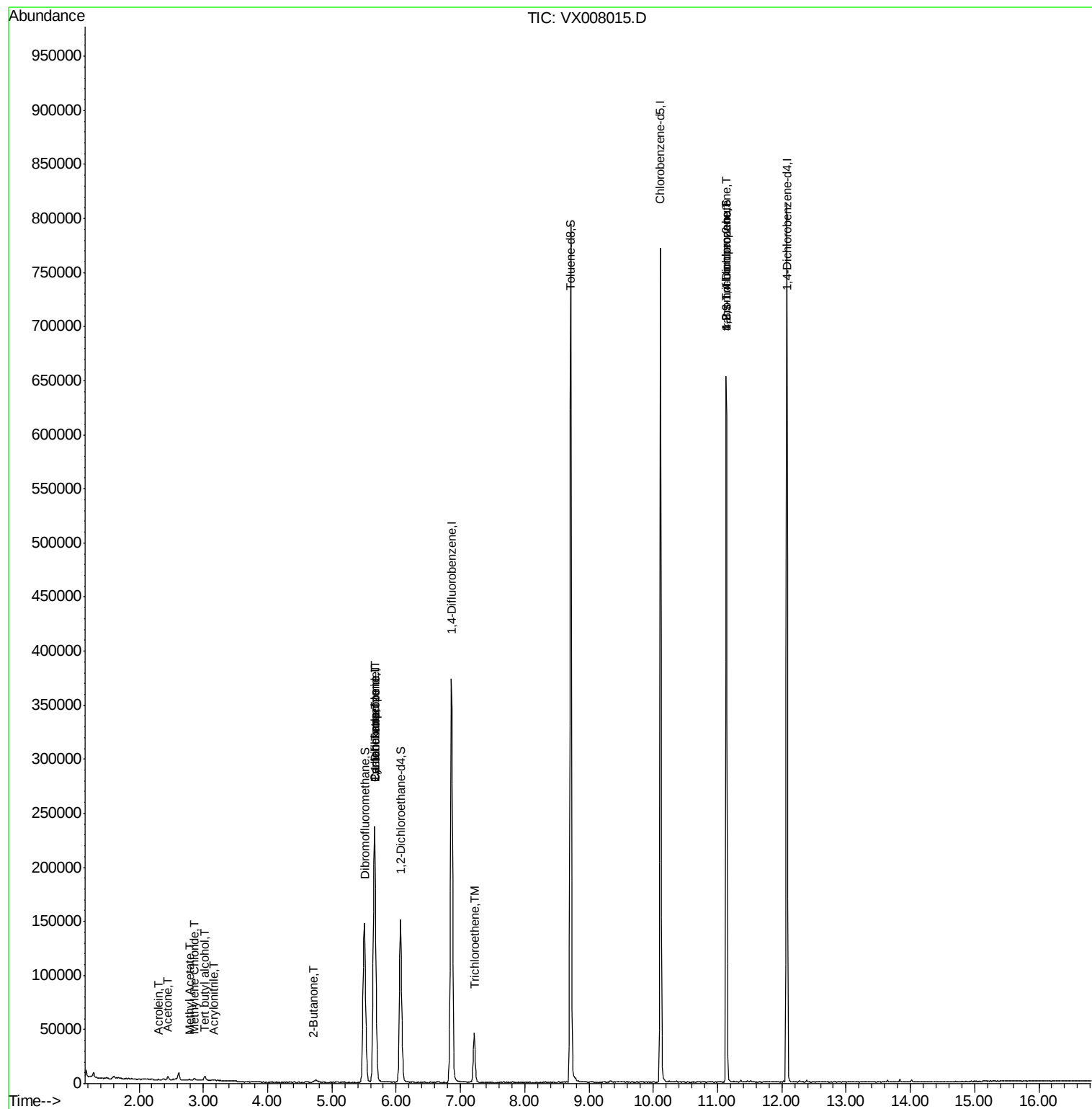
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	503	Below Cal		85
11) Tert butyl alcohol	3.03	59	2543	4.259	ug/l #	75
13) Acrolein	2.30	56	143	1.962	ug/l	90
15) Acrylonitrile	3.15	53	366	0.243	ug/l #	83
16) Acetone	2.45	43	3249	2.102	ug/l	95
17) Carbon Disulfide	2.57	76	1605	Below Cal	#	64
18) Methyl Acetate	2.78	43	805	0.245	ug/l #	88
20) Methylene Chloride	2.87	84	721	0.293	ug/l #	58
25) 2-Butanone	4.70	43	763	0.349	ug/l #	50
31) Cyclohexane	5.67	56	3919	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15918	4.482	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21602	6.407	ug/l #	16
44) Trichloroethene	7.21	130	18706	6.420	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	80174	21.411	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80174	68.441	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031219\
Data File : VX008015.D
Acq On : 12 Mar 2019 14:48
Operator : JC/SP
Sample : K1841-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

Quant Time: Mar 13 05:19:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

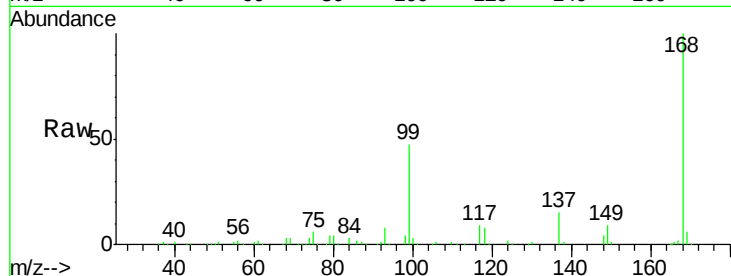
RE122D3-20190308

Tot Ion:168 Resp: 253098

Ion Ratio Lower Upper

168 100

99 46.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

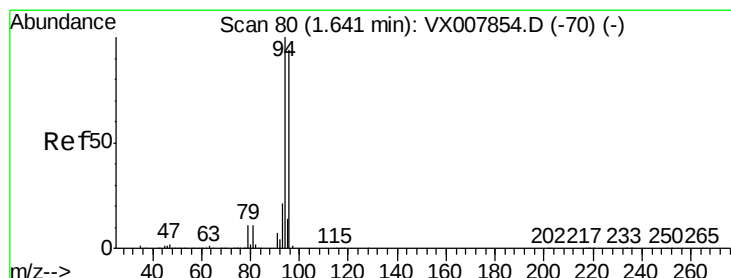
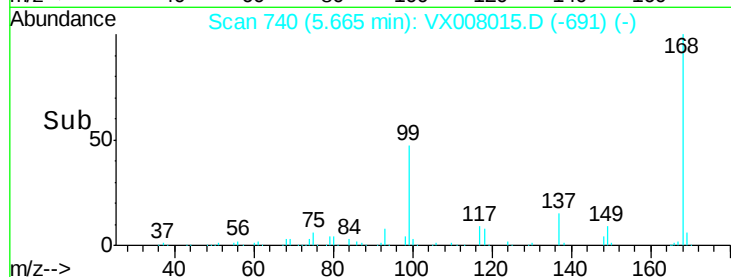
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008015.D

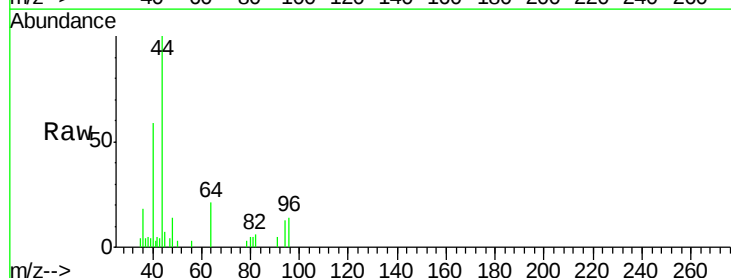
Acq: 12 Mar 2019 14:48

Tgt Ion: 94 Resp: 503

Ion Ratio Lower Upper

94 100

96 109.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

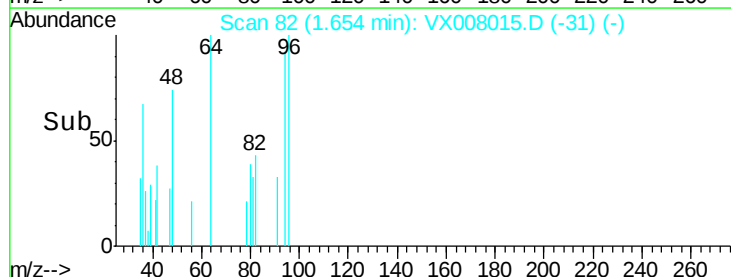
150

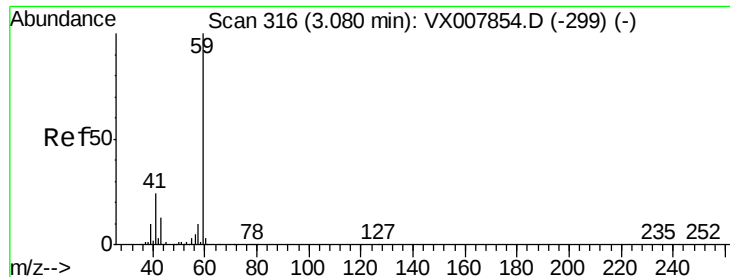
100

50

0

Time--> 1.60 1.65 1.70



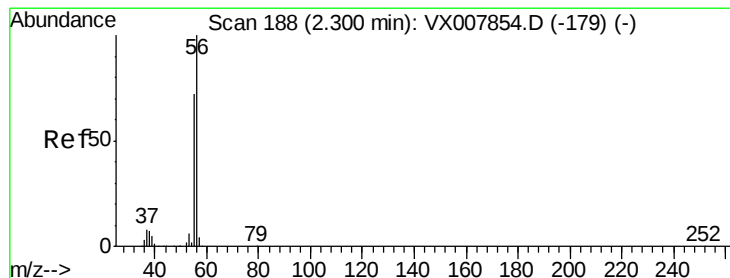
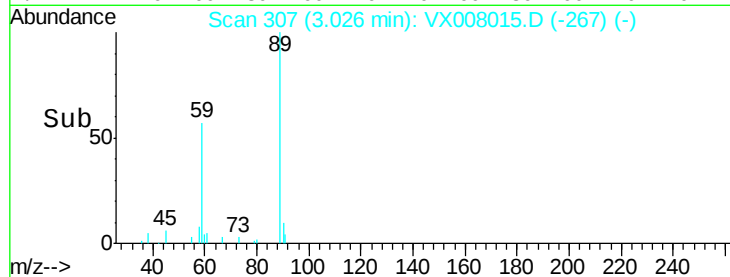
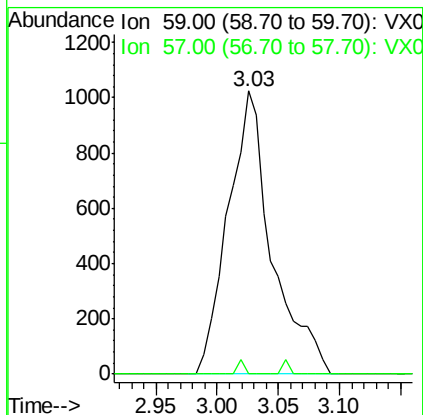
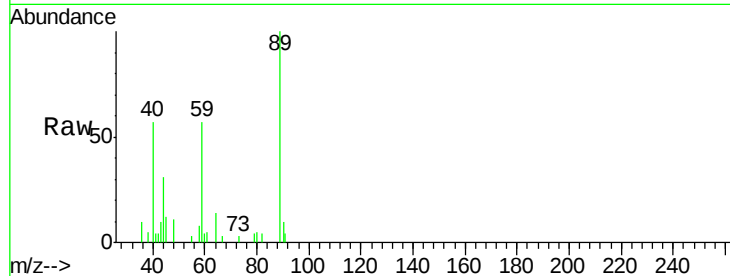


#11

Tert butyl alcohol
 Concen: 4.259 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX008015.D
 Acq: 12 Mar 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

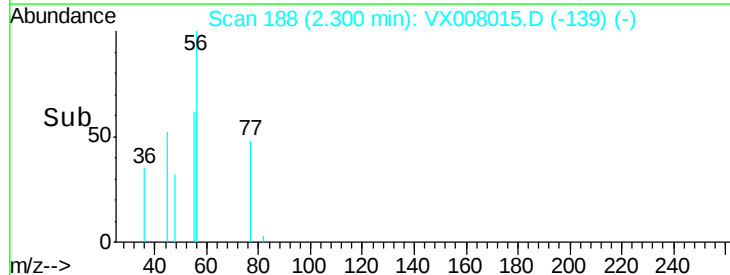
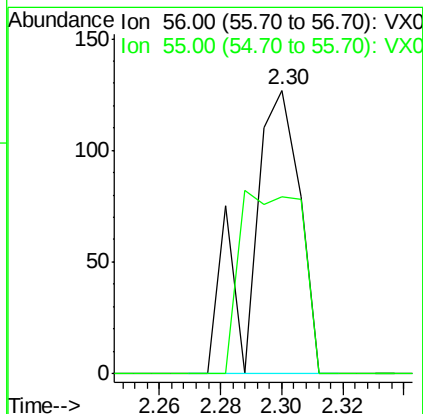
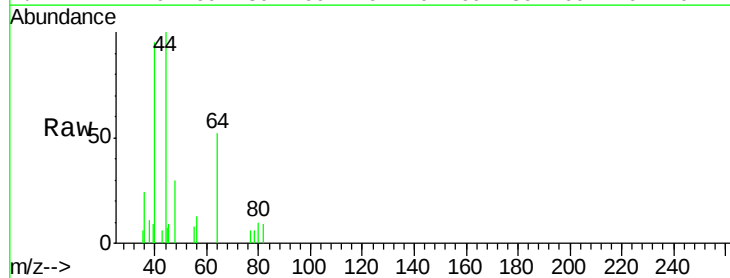
Tot Ion: 59 Resp: 2543
 Ion Ratio Lower Upper
 59 100
 57 0.8 8.2 12.2#

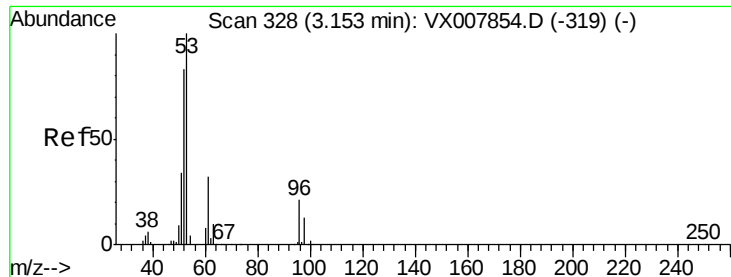


#13

Acrolein
 Concen: 1.962 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX008015.D
 Acq: 12 Mar 2019 14:48

Tgt Ion: 56 Resp: 143
 Ion Ratio Lower Upper
 56 100
 55 80.4 57.8 86.6





#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190308

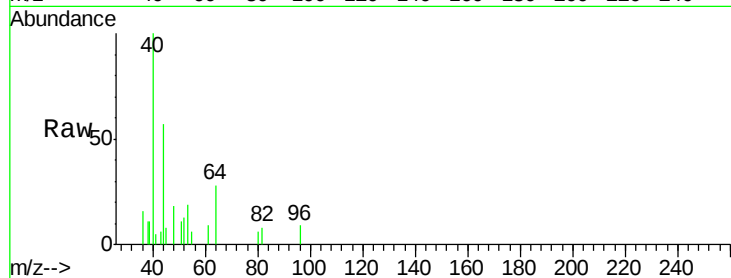
Tot Ion: 53 Resp: 366

Ion Ratio Lower Upper

53 100

52 96.2 66.0 99.0

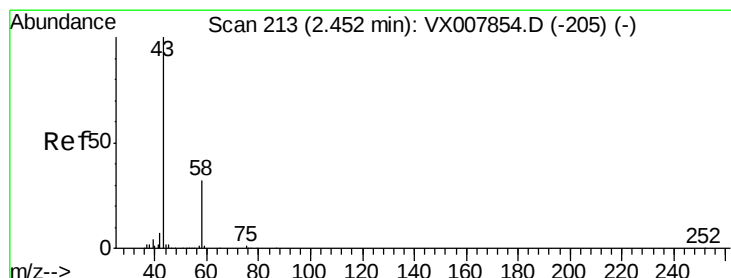
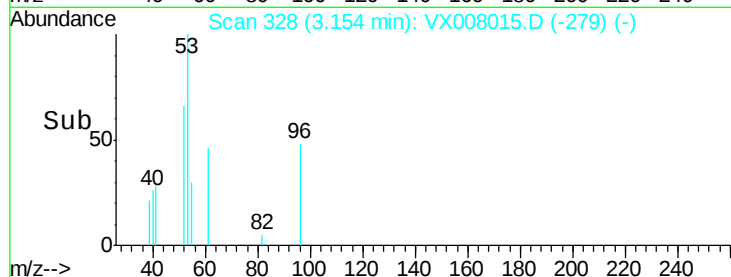
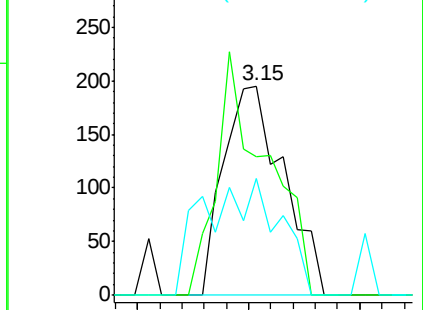
51 46.4 28.0 42.0#



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: 2.102 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008015.D

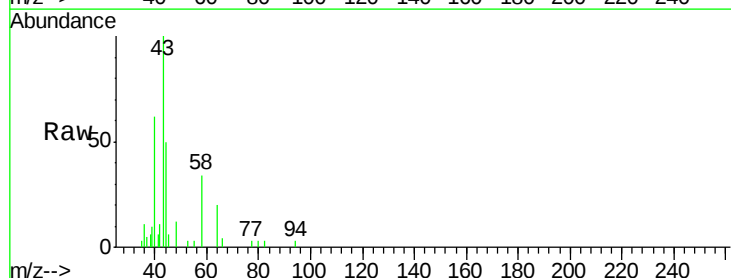
Acq: 12 Mar 2019 14:48

Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

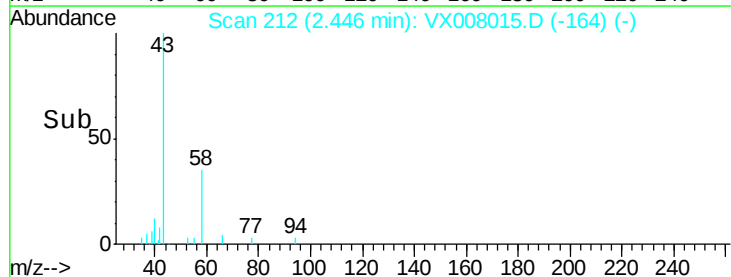
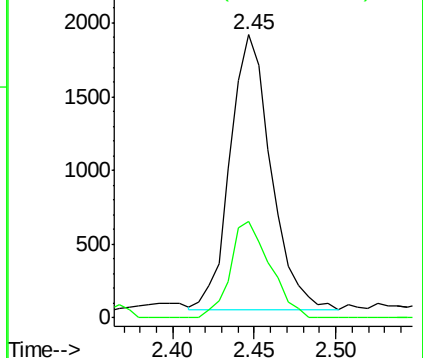
43 100

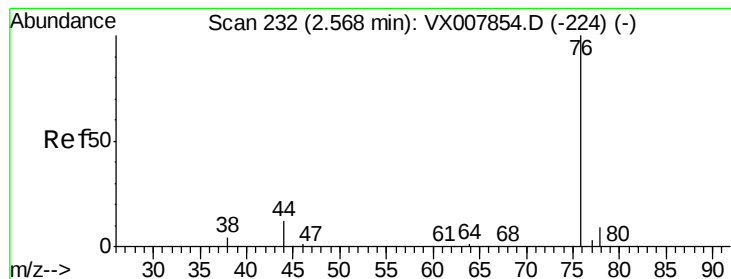
58 34.9 25.5 38.3



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: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

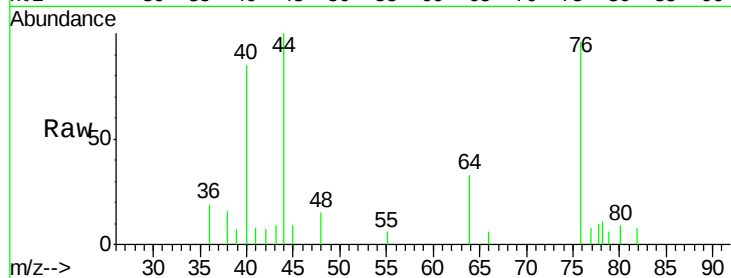
RE122D3-20190308

Tot Ion: 76 Resp: 1605

Ion Ratio Lower Upper

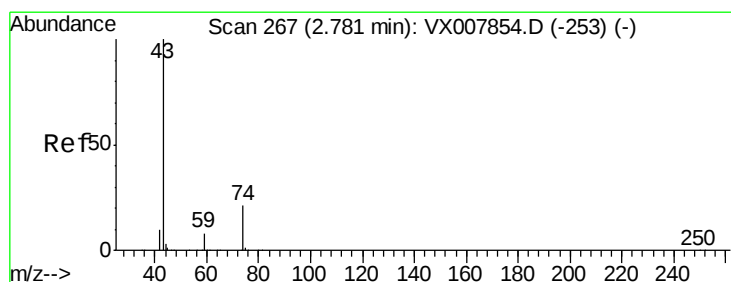
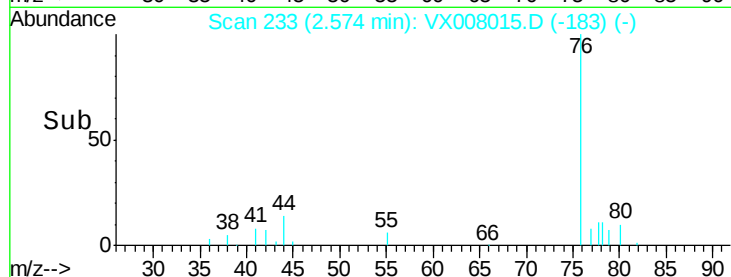
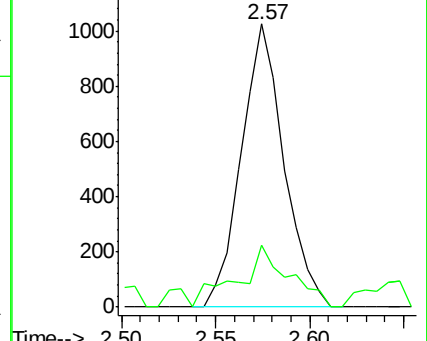
76 100

78 22.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.245 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008015.D

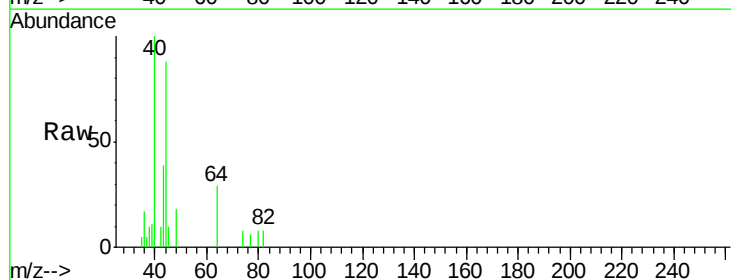
Acq: 12 Mar 2019 14:48

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

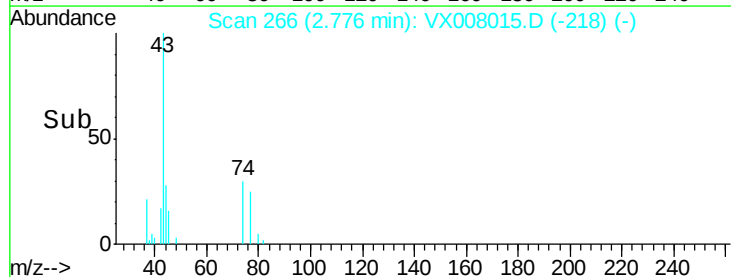
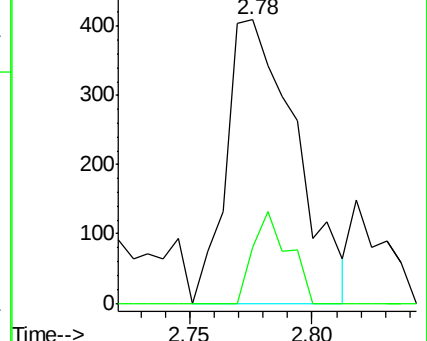
43 100

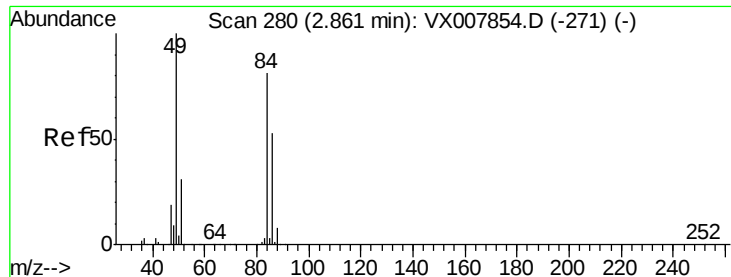
74 16.5 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

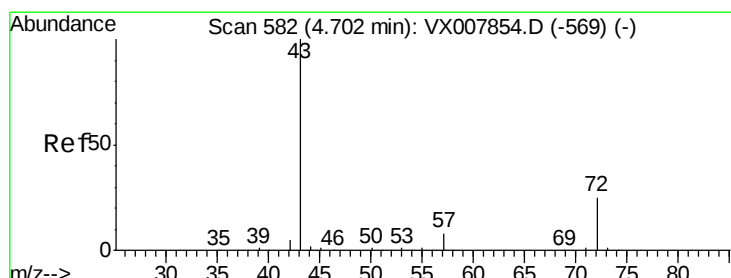
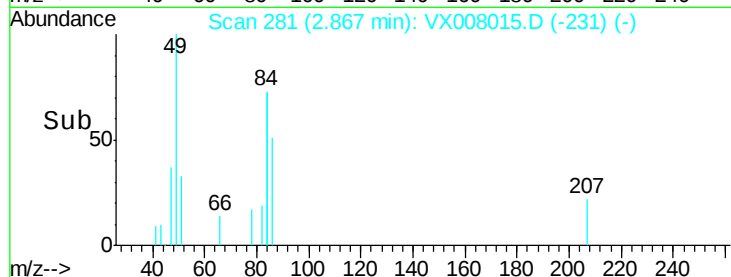
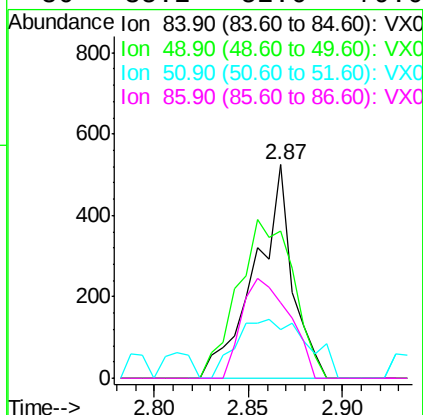
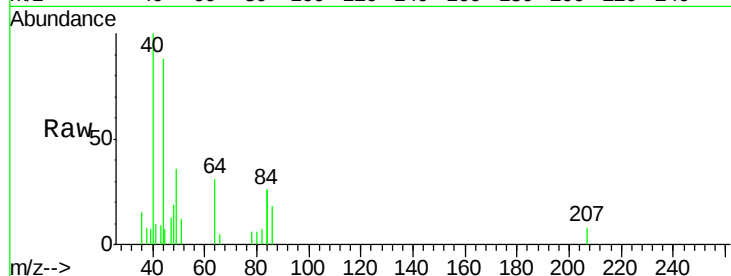




#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008015.D
Acq: 12 Mar 2019 14:48

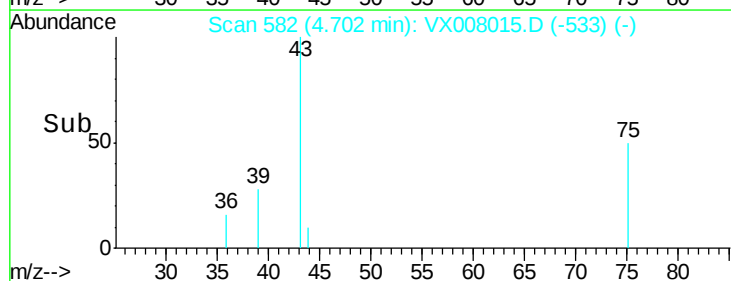
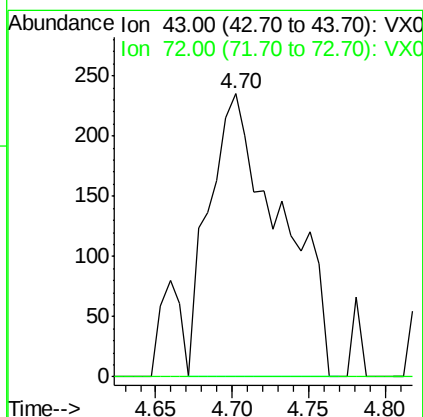
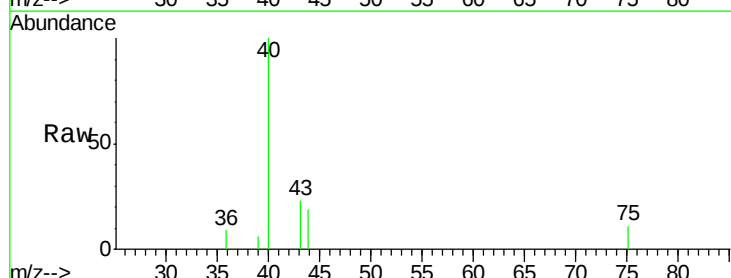
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

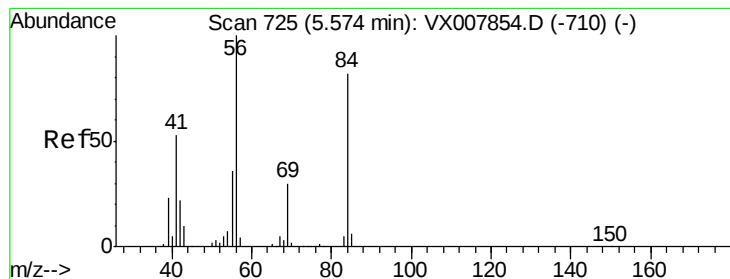
Tot Ion: 84 Resp: 721
Ion Ratio Lower Upper
84 100
49 69.0 99.3 148.9#
51 22.5 31.3 46.9#
86 35.2 52.6 79.0#



#25
2-Butanone
Concen: 0.349 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX008015.D
Acq: 12 Mar 2019 14:48

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 0.955 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190308

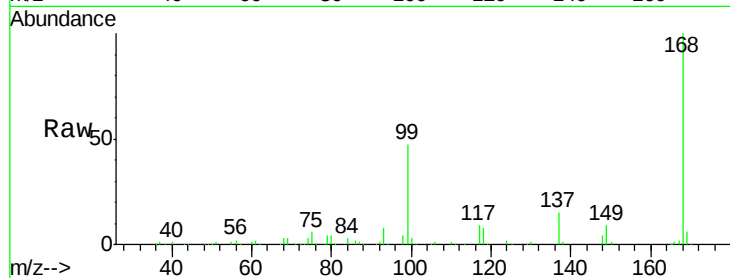
Tot Ion: 56 Resp: 3919

Ion Ratio Lower Upper

56 100

69 182.8 24.0 36.0#

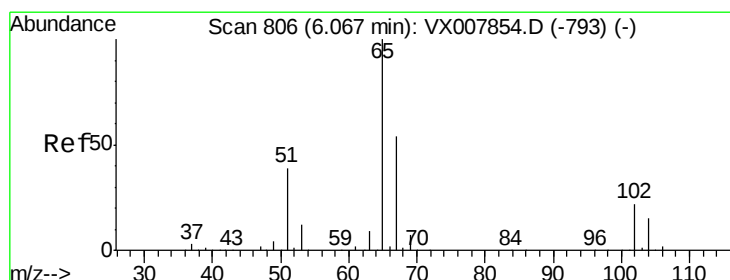
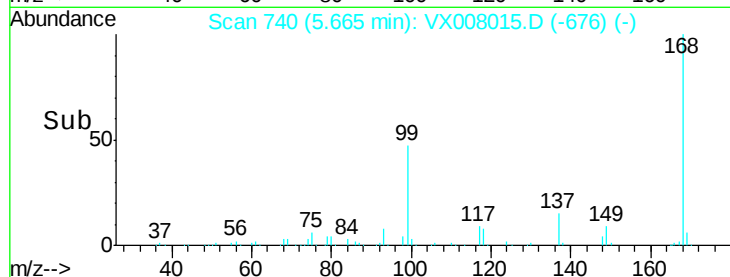
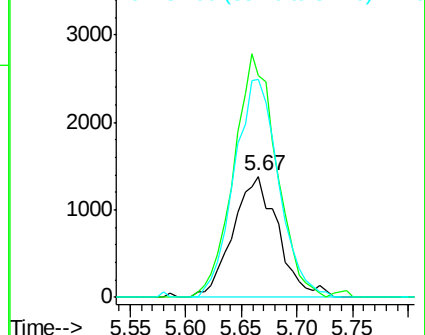
84 179.7 65.3 97.9#



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: 51.946 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008015.D

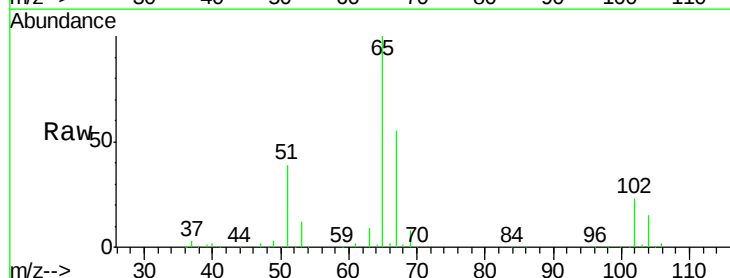
Acq: 12 Mar 2019 14:48

Tgt Ion: 65 Resp: 138694

Ion Ratio Lower Upper

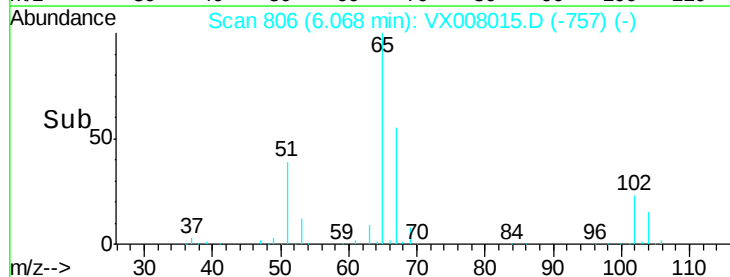
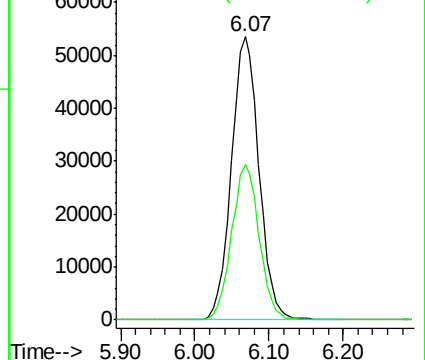
65 100

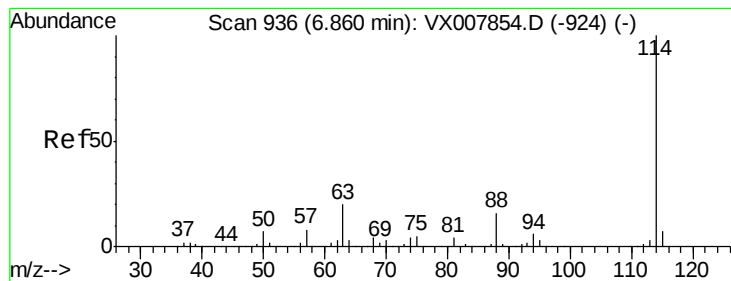
67 54.9 0.0 110.0



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: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190308

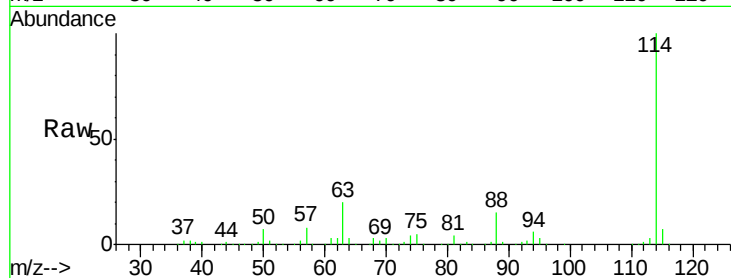
Tot Ion:114 Resp: 392225

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

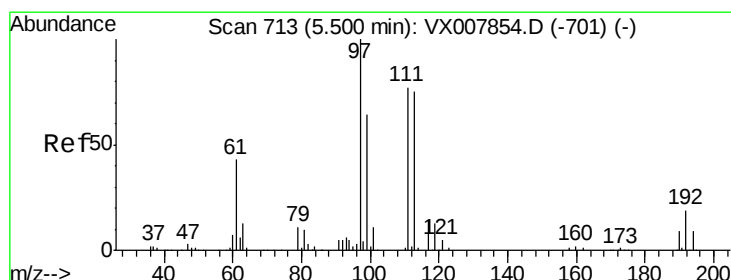
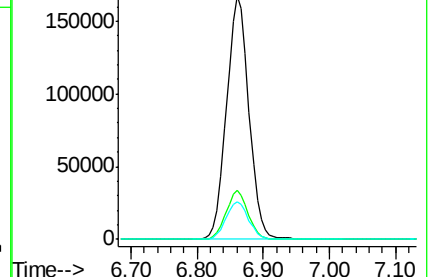
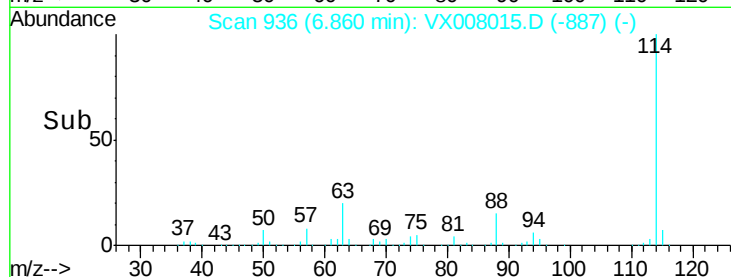
88 15.4 0.0 31.4



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: 50.724 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

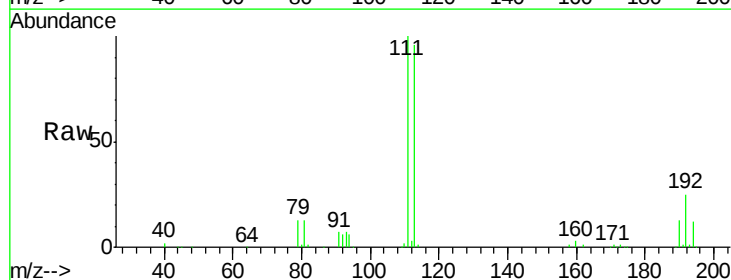
Tgt Ion:113 Resp: 127263

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

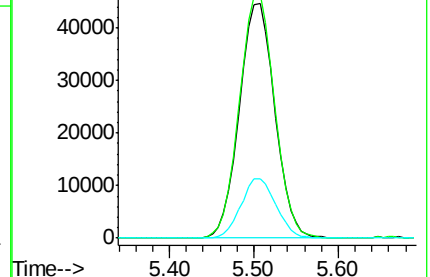
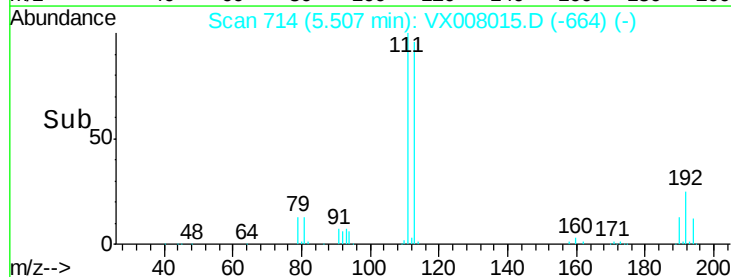
192 25.1 19.4 29.0

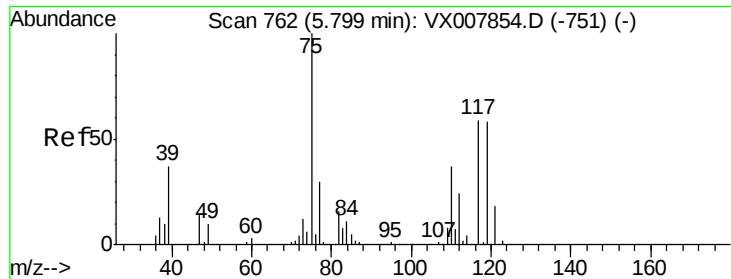


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

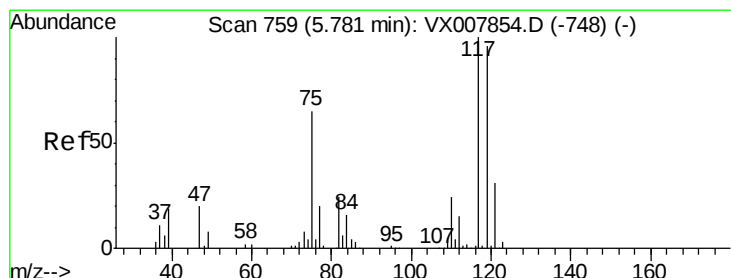
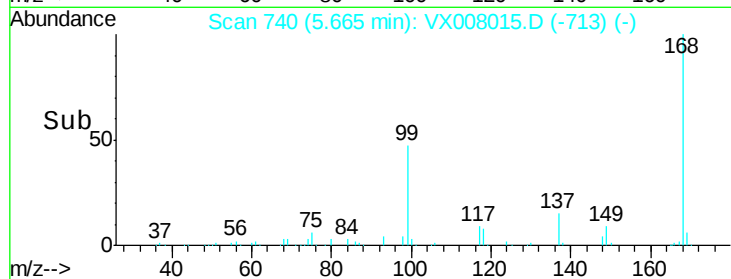
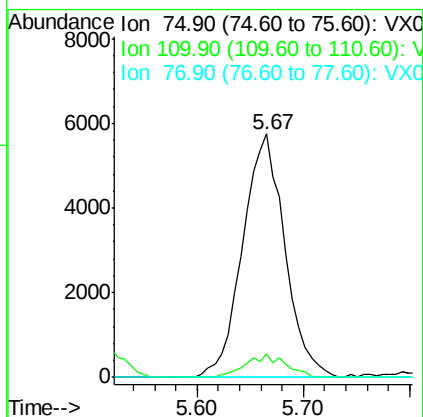
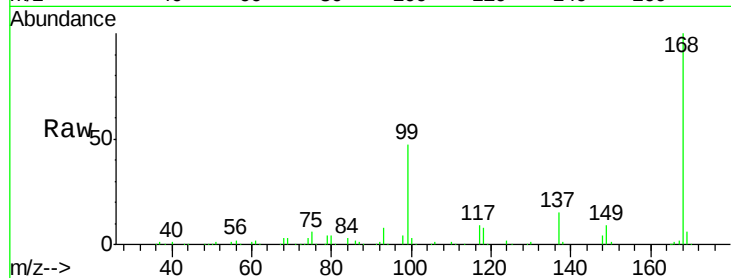




#36
 1,1-Dichloropropene
 Concen: 4.482 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008015.D
 Acq: 12 Mar 2019 14:48

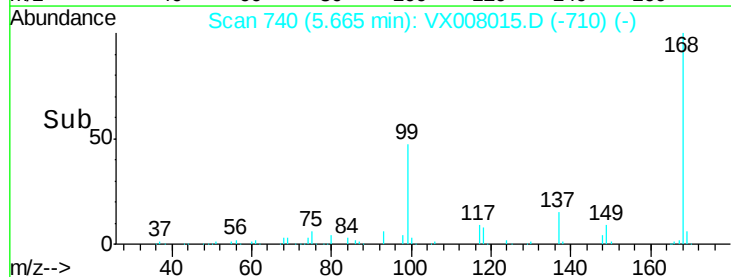
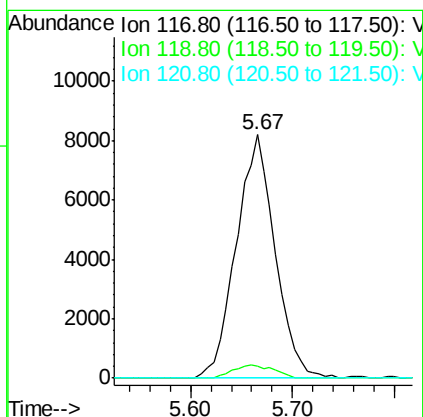
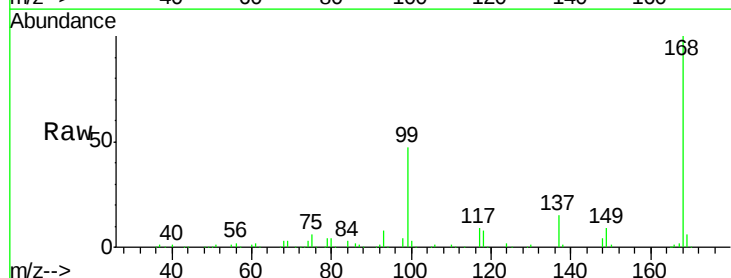
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

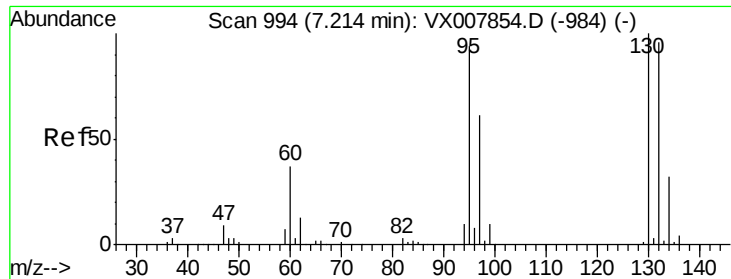
Tot Ion: 75 Resp: 15918
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.407 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008015.D
 Acq: 12 Mar 2019 14:48

Tgt Ion: 117 Resp: 21602
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 6.420 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

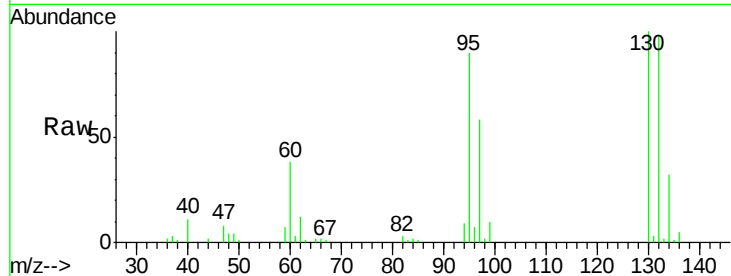
RE122D3-20190308

Tot Ion:130 Resp: 18706

Ion Ratio Lower Upper

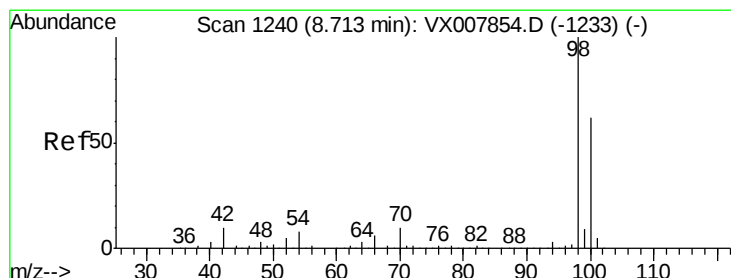
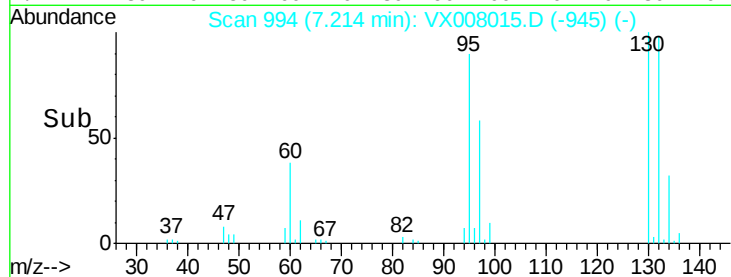
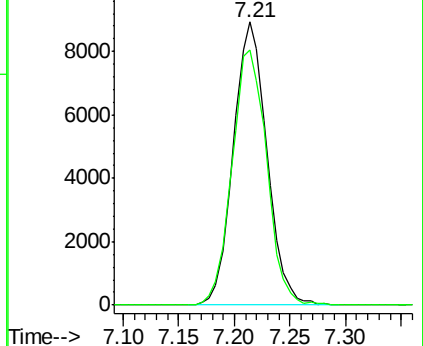
130 100

95 90.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.642 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008015.D

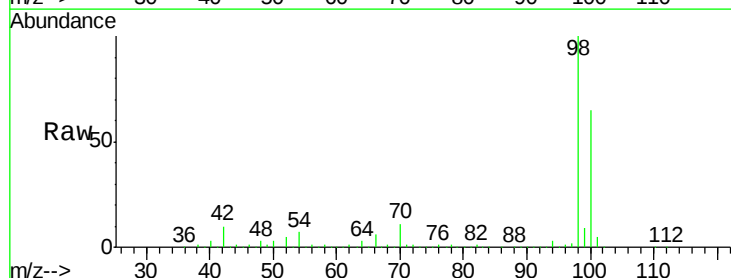
Acq: 12 Mar 2019 14:48

Tgt Ion: 98 Resp: 475842

Ion Ratio Lower Upper

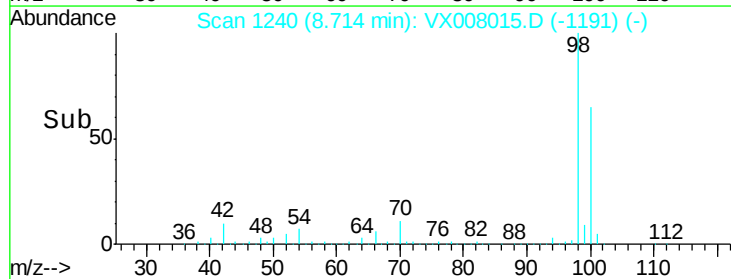
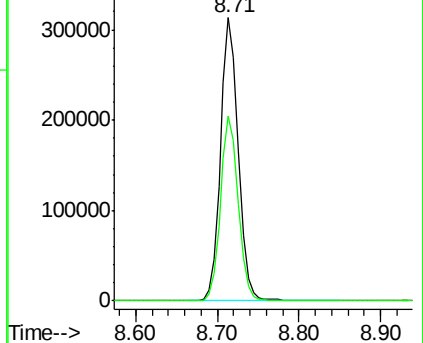
98 100

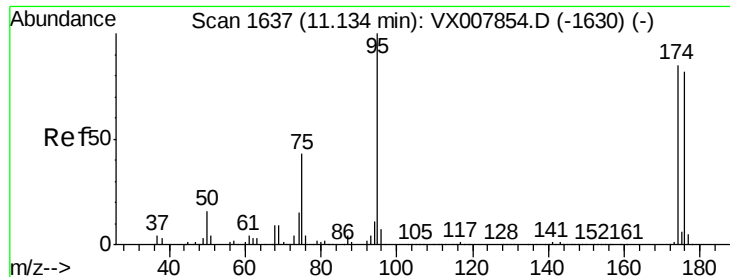
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

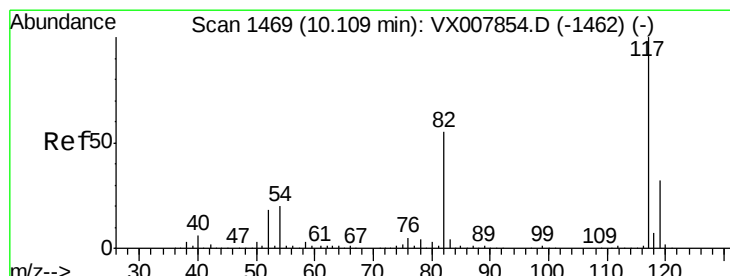
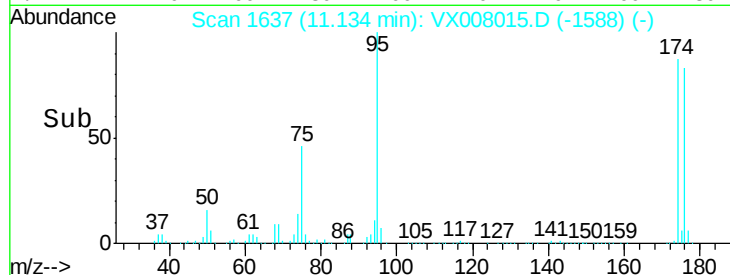
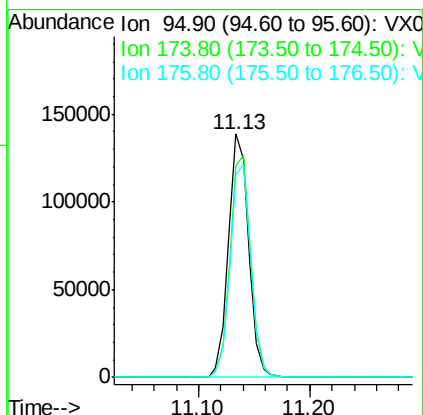
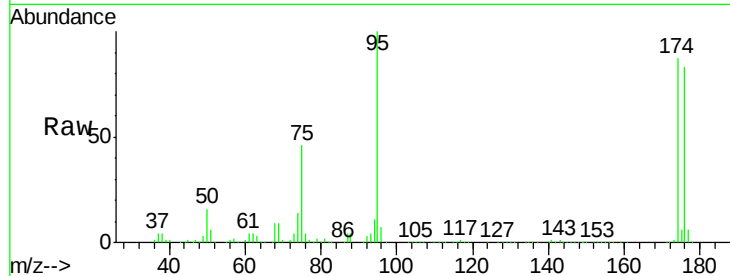




#62
4-Bromofluorobenzene
Concen: 54.031 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008015.D
Acq: 12 Mar 2019 14:48

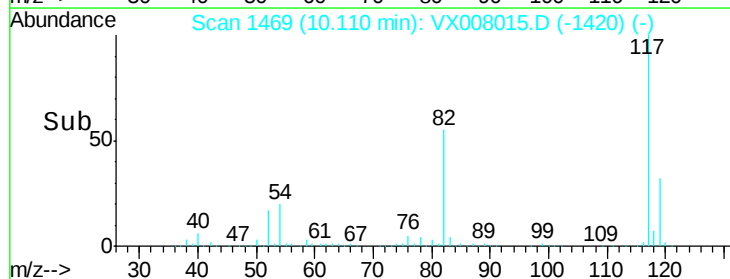
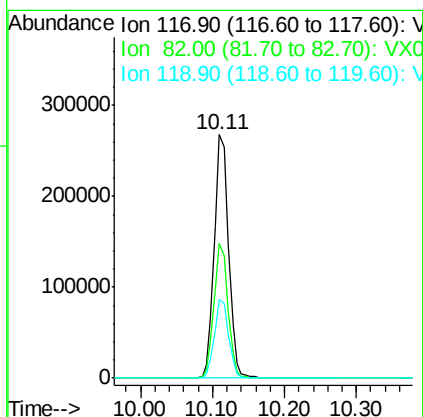
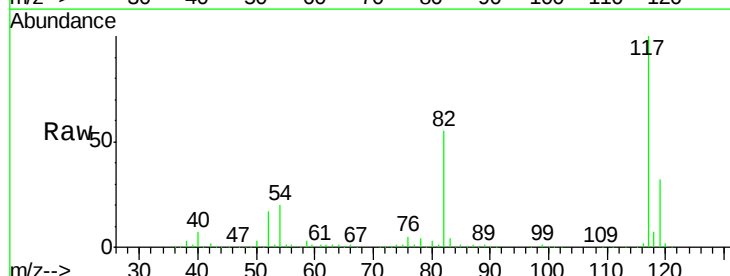
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

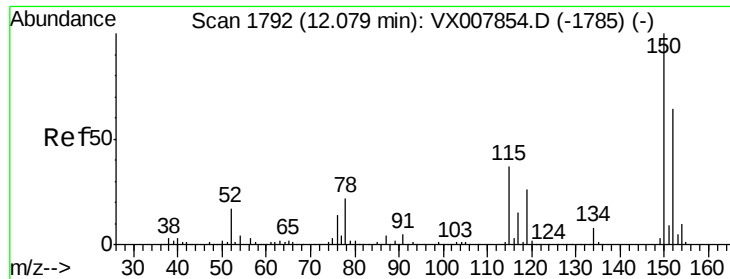
Tot Ion: 95 Resp: 174549
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.8
176 89.3 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008015.D
Acq: 12 Mar 2019 14:48

Tgt Ion: 117 Resp: 368760
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 32.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190308

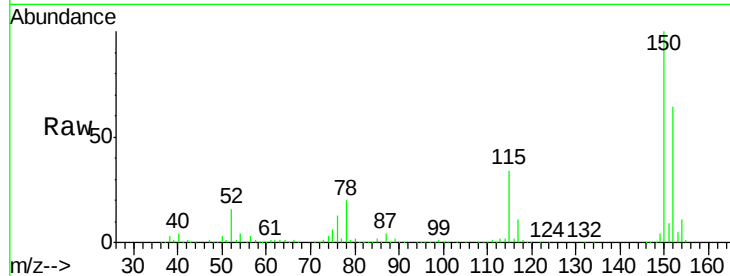
Tot Ion:152 Resp: 178444

Ion Ratio Lower Upper

152 100

115 55.3 38.6 115.7

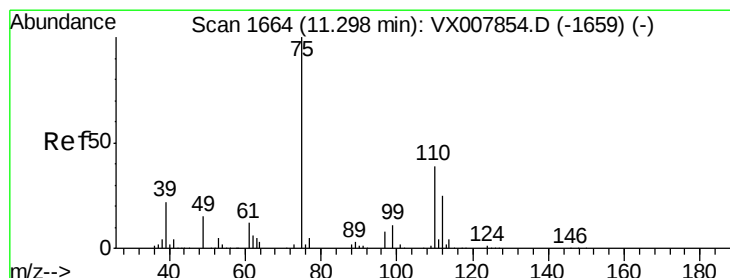
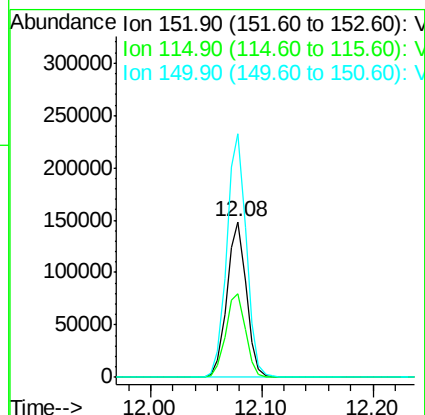
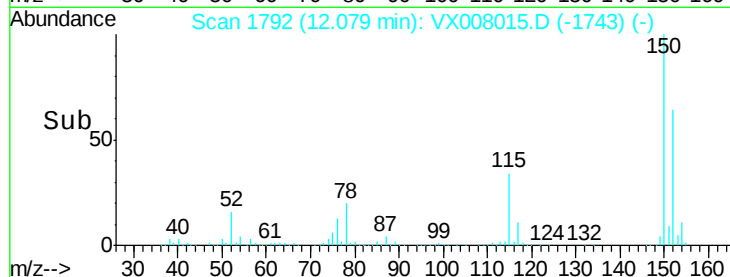
150 157.7 0.0 348.4



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: 21.411 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008015.D

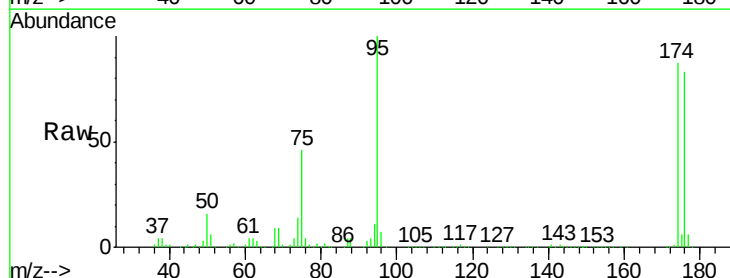
Acq: 12 Mar 2019 14:48

Tgt Ion: 75 Resp: 80174

Ion Ratio Lower Upper

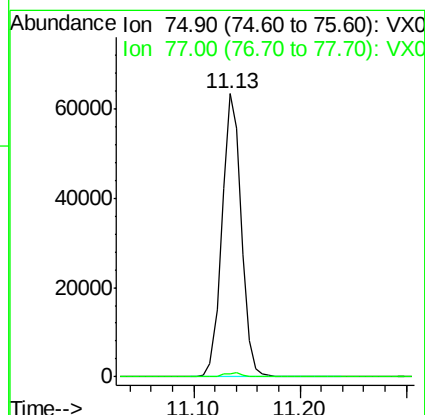
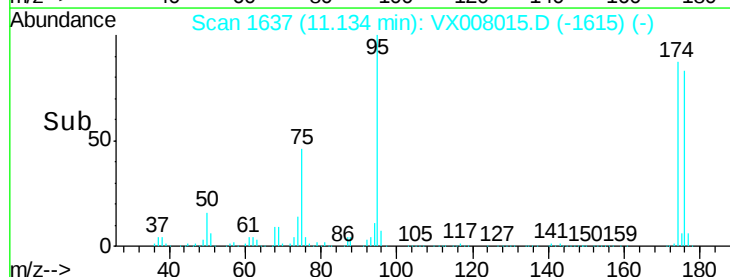
75 100

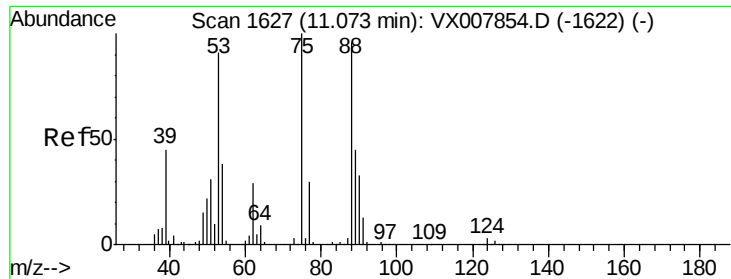
77 1.4 18.9 56.7#



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: 68.441 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008015.D

Acq: 12 Mar 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20190308

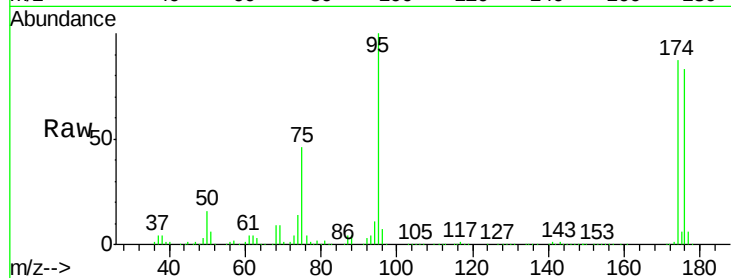
Tot Ion: 75 Resp: 80174

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

