

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002135.D
 Acq On : 30 May 2018 12:26
 Operator : JC/MD
 Sample : VX0530WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

Quant Time: May 31 02:08:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	52546	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	307125	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	268891	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	129097	31.22	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.07%
60) 4-Bromofluorobenzene	11.14	95	126546	27.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.63%
63) Toluene-d8	8.72	98	366592	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

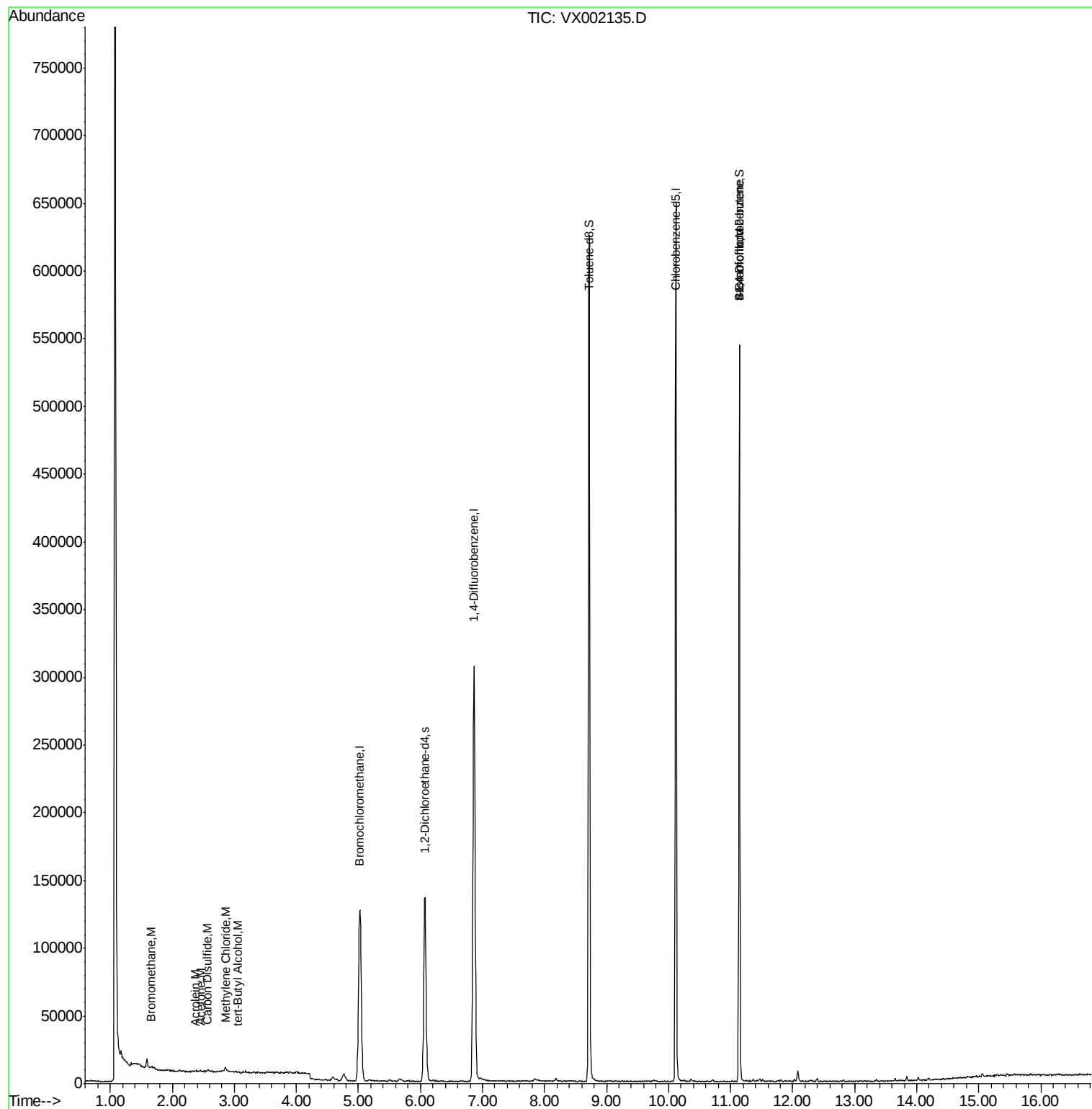
						Qvalue
5) Bromomethane	1.66	94	577	0.31	ug/l	88
13) Acrolein	2.36	56	81	0.22	ug/l	99
15) Acetone	2.45	58	333	0.72	ug/l	89
16) Carbon Disulfide	2.57	76	1579	0.21	ug/l #	89
18) Methylene Chloride	2.86	84	1150	0.39	ug/l #	78
23) tert-Butyl Alcohol	3.06	59	188	0.21	ug/l #	87
56) Bromoform	11.15	173	1190	0.33	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	67477	40.16	ug/l #	11

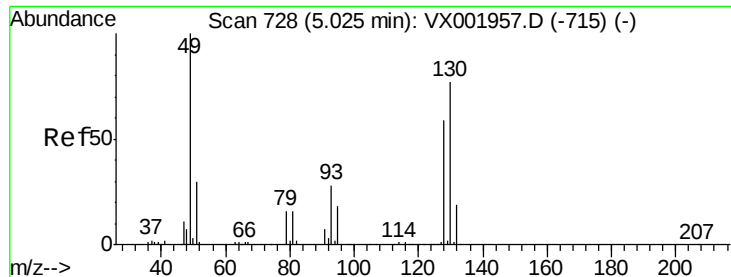
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Quant Time: May 31 02:08:15 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

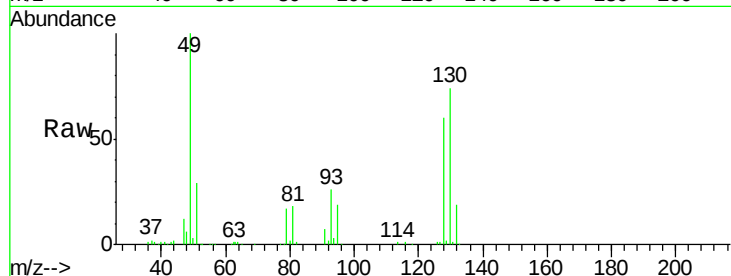
Tgt Ion:128 Resp: 52546

Ion Ratio Lower Upper

128 100

49 170.7 0.0 423.0

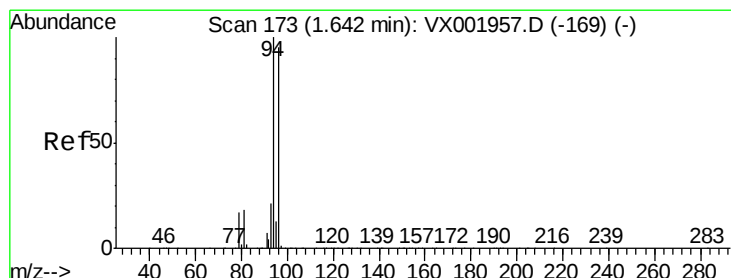
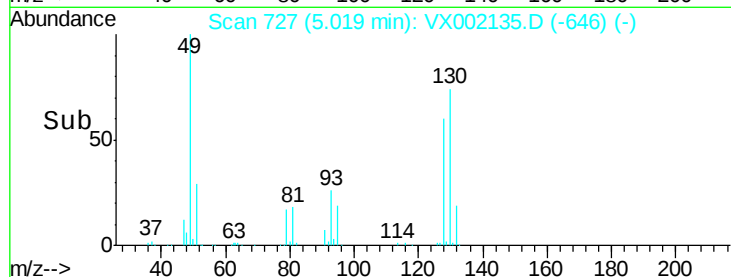
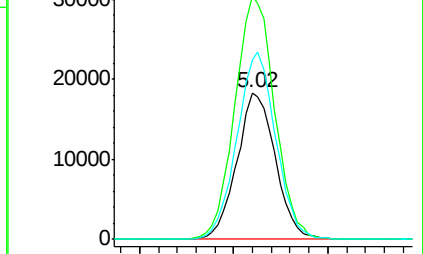
130 128.6 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.31 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002135.D

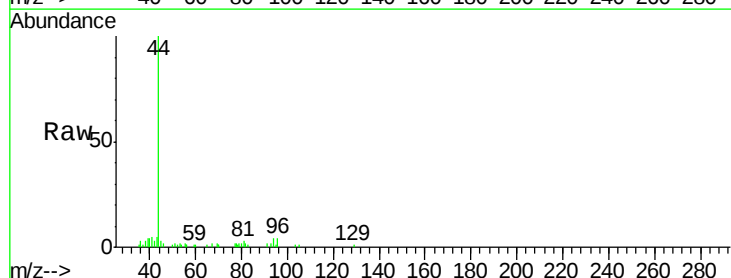
Acq: 30 May 2018 12:26

Tgt Ion: 94 Resp: 577

Ion Ratio Lower Upper

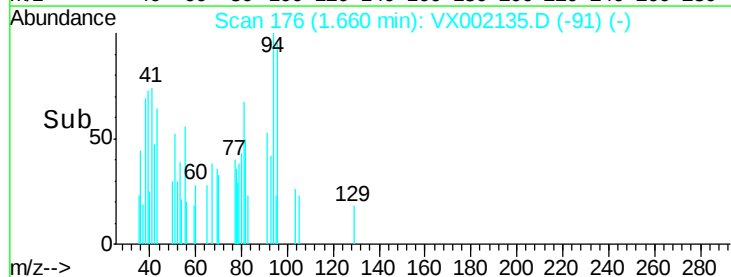
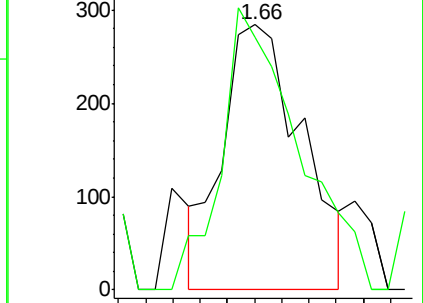
94 100

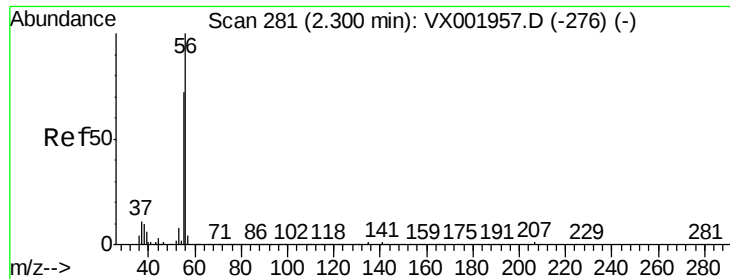
96 106.5 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.22 ug/l

RT: 2.36 min Scan# 291

Delta R.T. 0.06 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

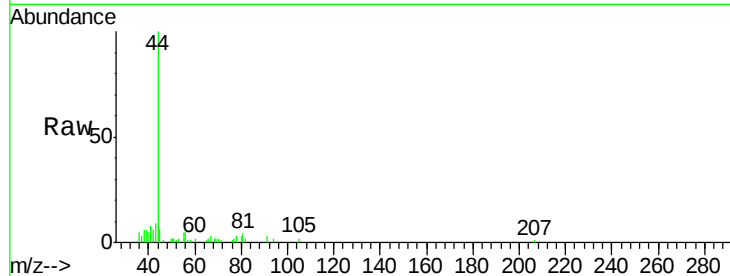
VX0530WBL01

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

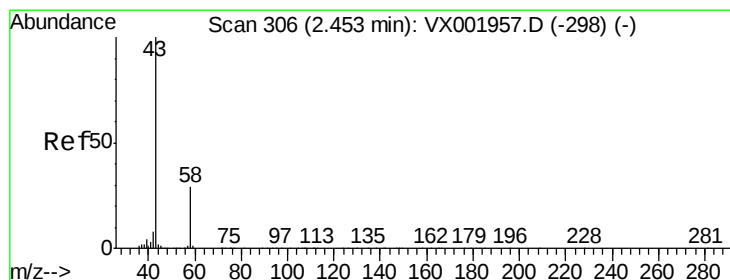
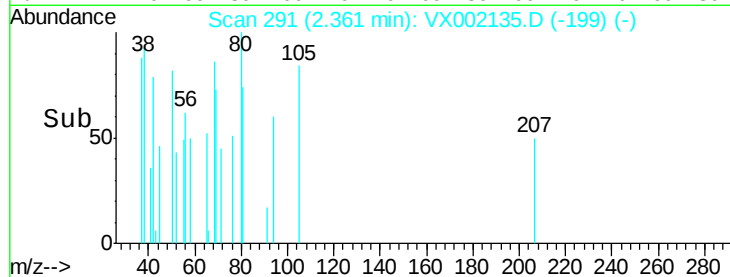
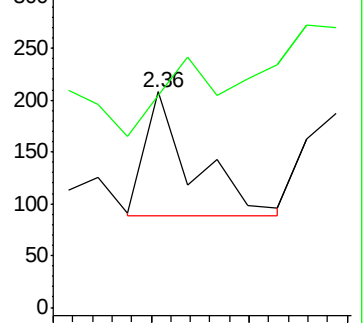
56 100

55 70.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 0.72 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002135.D

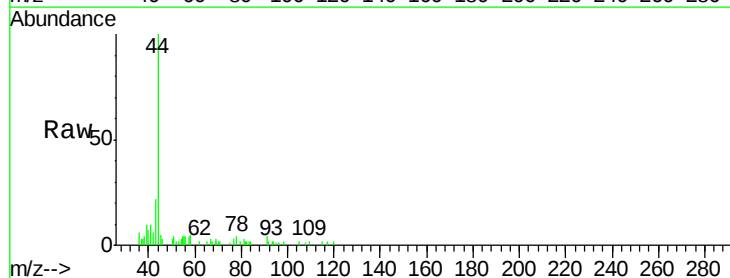
Acq: 30 May 2018 12:26

Tgt Ion: 58 Resp: 333

Ion Ratio Lower Upper

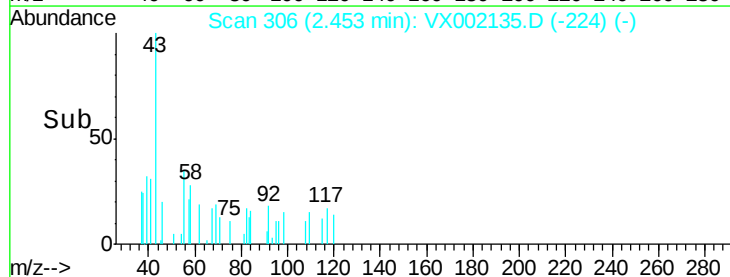
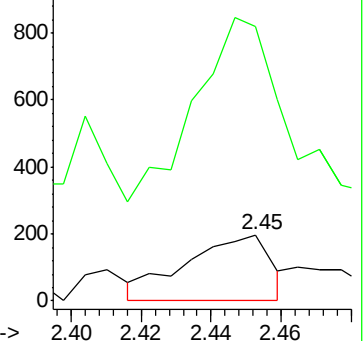
58 100

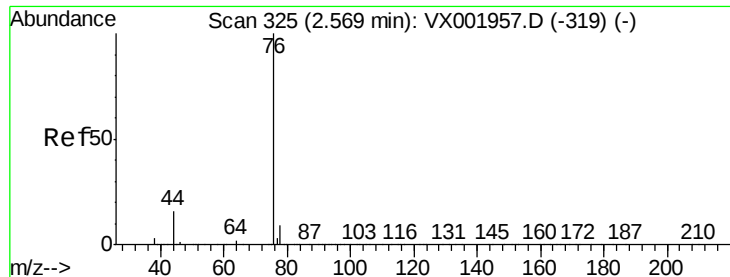
43 372.3 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#16

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

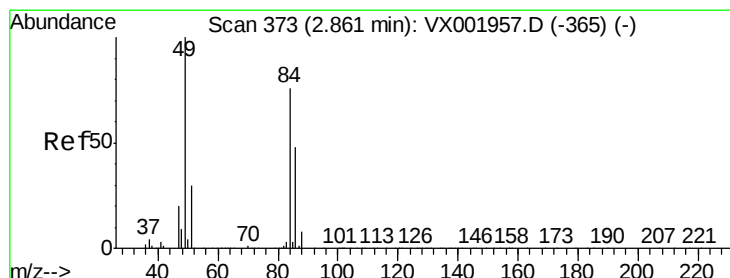
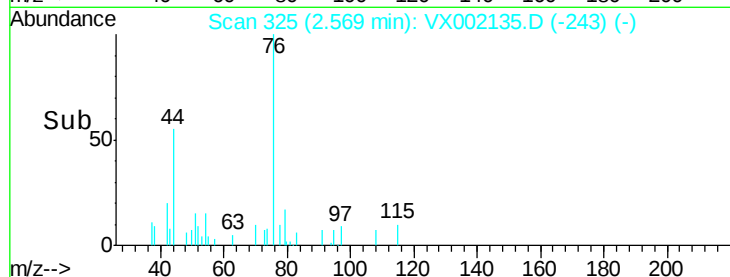
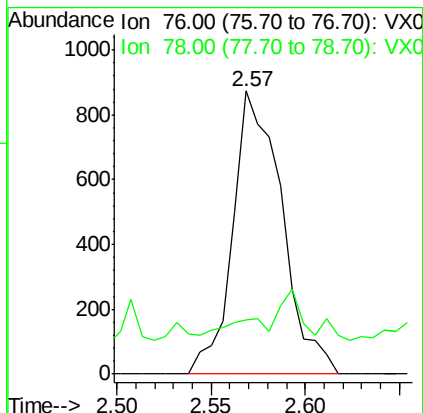
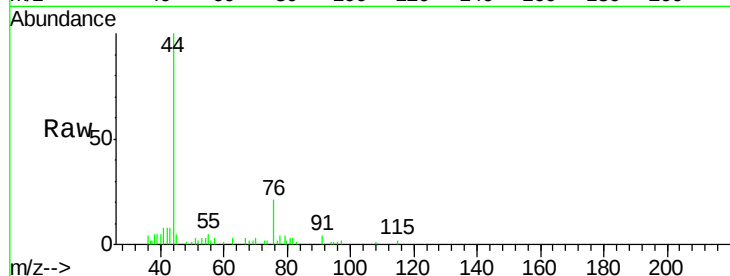
VX0530WBL01

Tgt Ion: 76 Resp: 1579

Ion Ratio Lower Upper

76 100

78 5.3 7.4 11.0#



#18

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Tgt Ion: 84 Resp: 1150

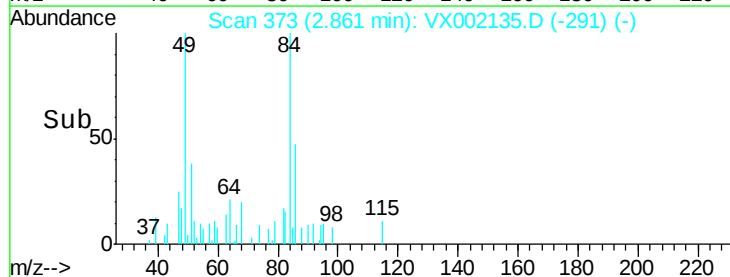
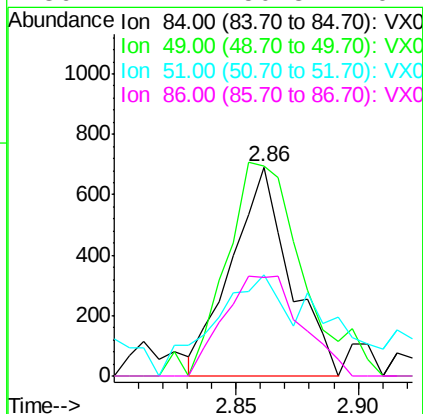
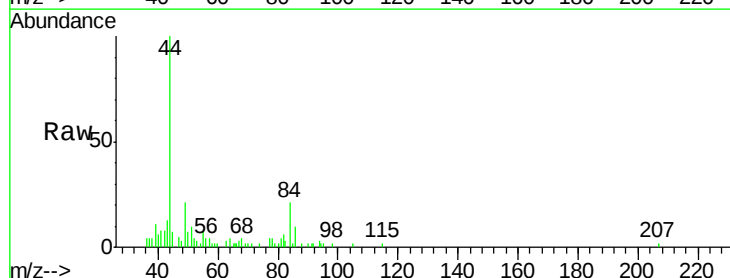
Ion Ratio Lower Upper

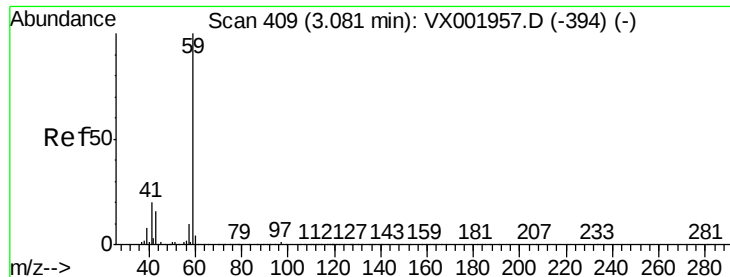
84 100

49 100.1 104.7 157.1#

51 34.1 31.0 46.4

86 47.1 50.8 76.2#

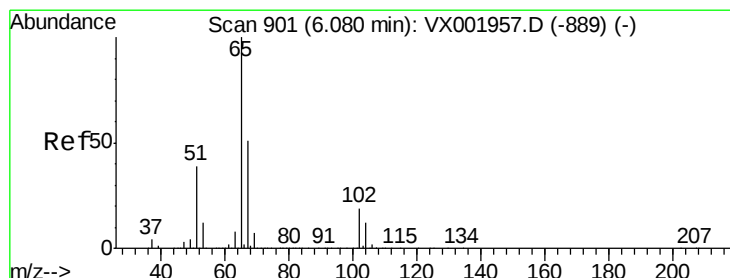
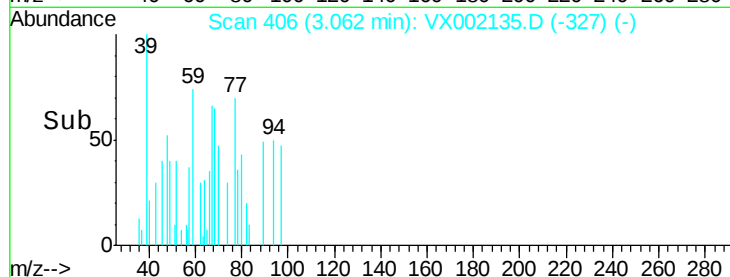
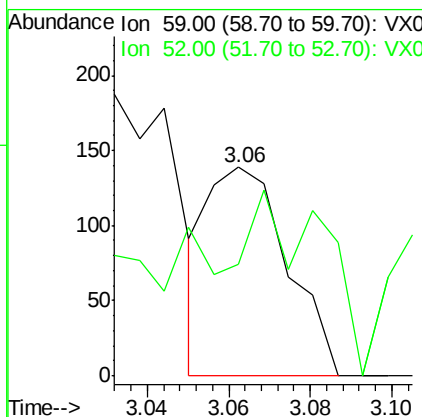
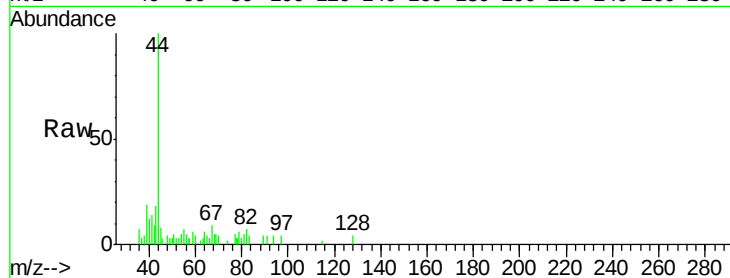




#23
 tert-Butyl Alcohol
 Concen: 0.21 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002135.D
 Acq: 30 May 2018 12:26

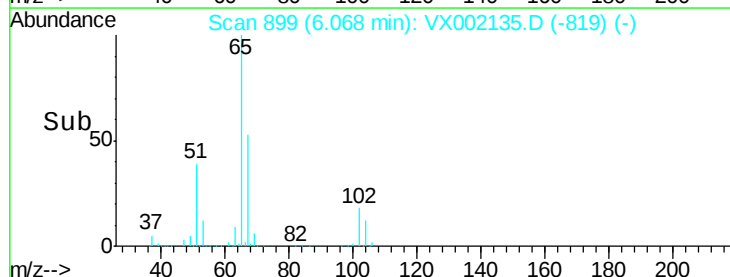
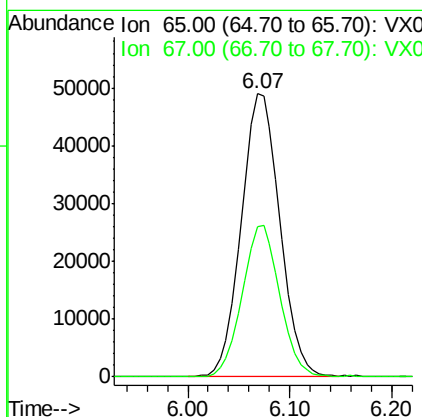
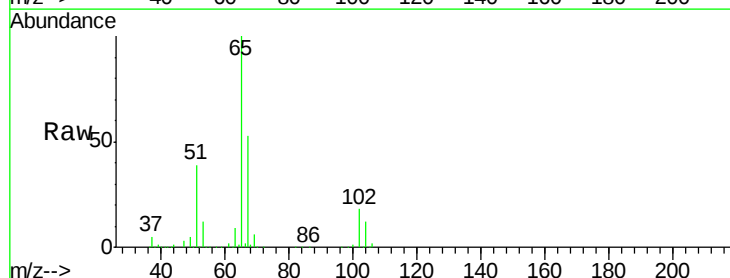
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

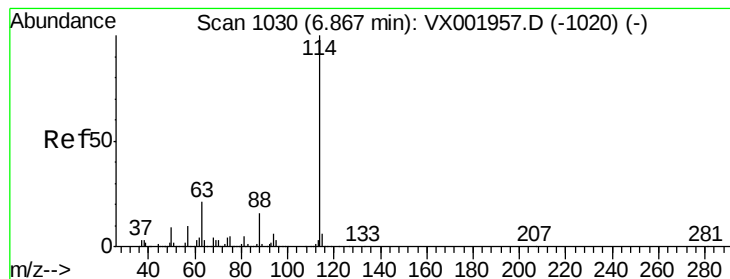
Tgt Ion: 59 Resp: 188
 Ion Ratio Lower Upper
 59 100
 52 16.5 0.2 0.2#



#27
 1,2-Dichloroethane-d4
 Concen: 31.22 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002135.D
 Acq: 30 May 2018 12:26

Tgt Ion: 65 Resp: 129097
 Ion Ratio Lower Upper
 65 100
 67 52.2 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

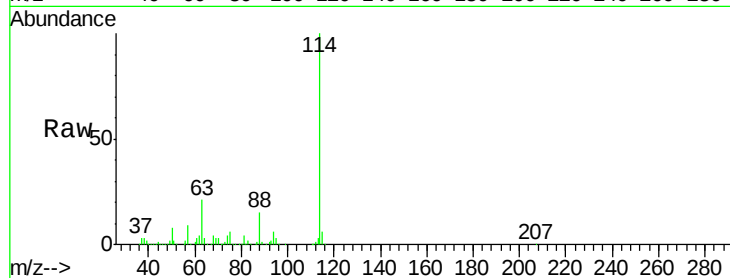
Tgt Ion:114 Resp: 307125

Ion Ratio Lower Upper

114 100

63 21.5 17.1 25.7

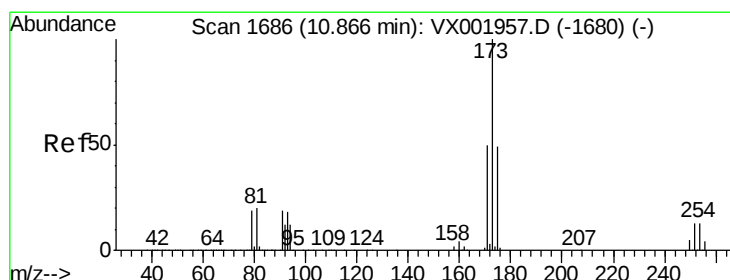
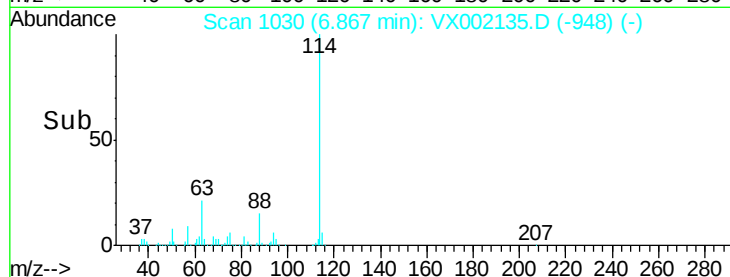
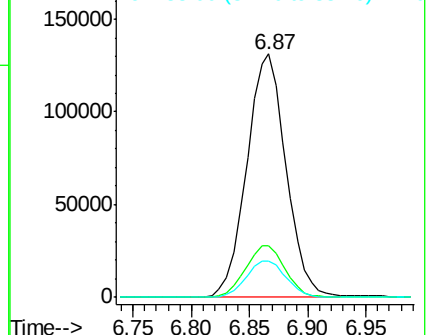
88 15.4 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#56

Bromoform

Concen: 0.33 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.28 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

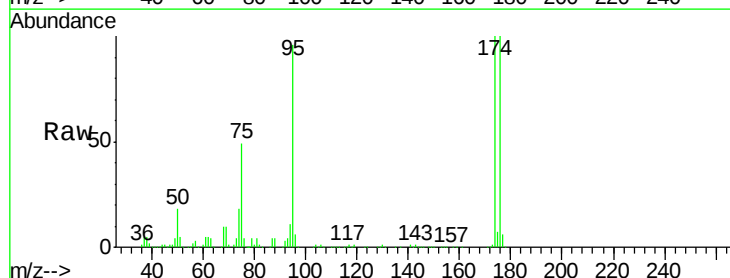
Tgt Ion:173 Resp: 1190

Ion Ratio Lower Upper

173 100

175 697.5 39.0 58.4#

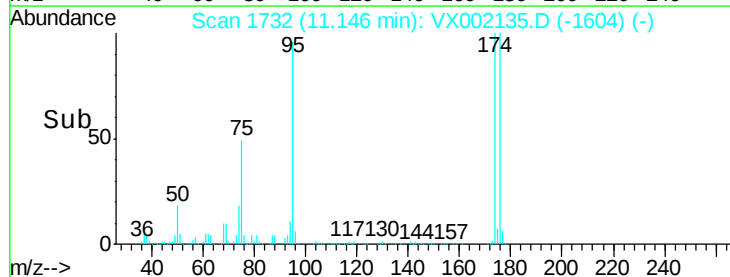
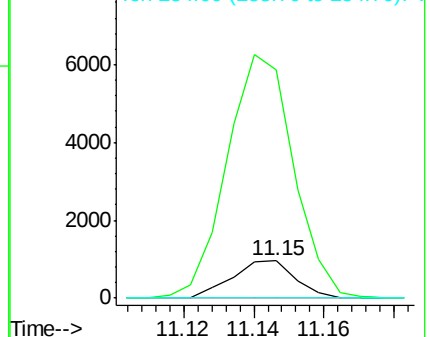
254 0.0 9.6 14.4#

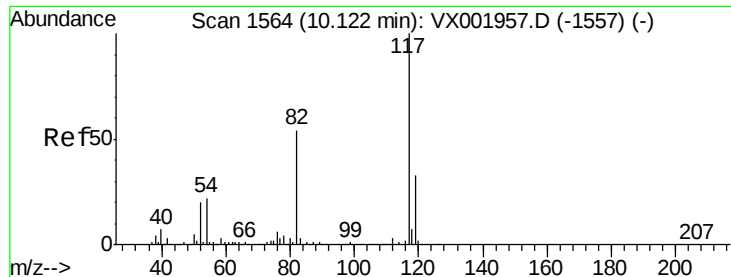


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

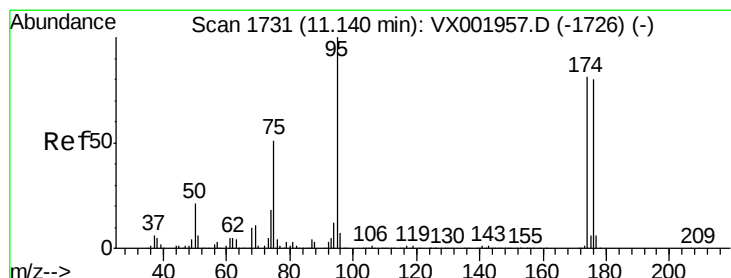
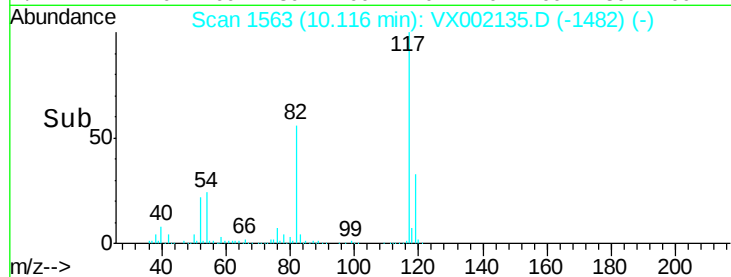
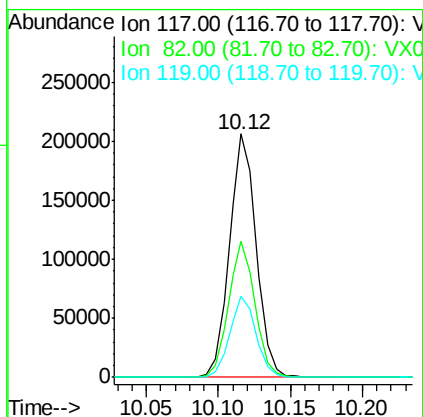
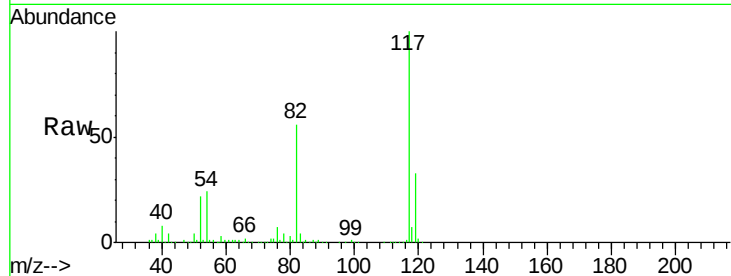




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002135.D
Acq: 30 May 2018 12:26

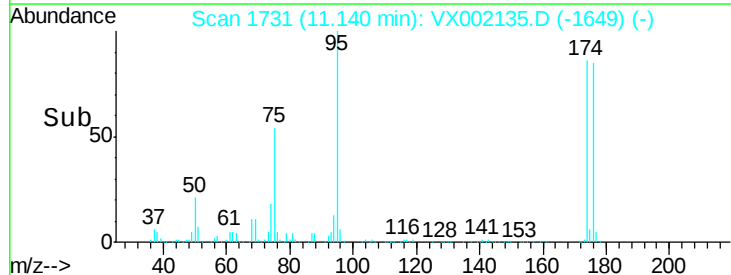
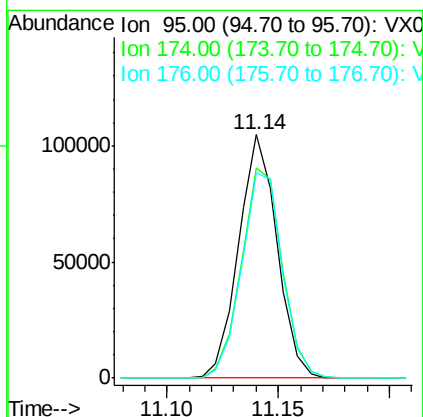
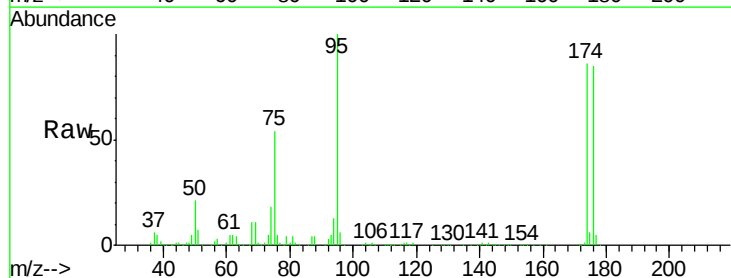
Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

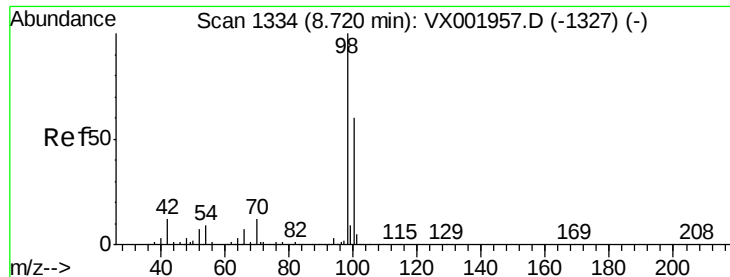
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.3	66.5
119	32.7	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 27.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002135.D
Acq: 30 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	71.8	107.6
176	89.5	70.1	105.1





#63

Toluene-d8

Concen: 30.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

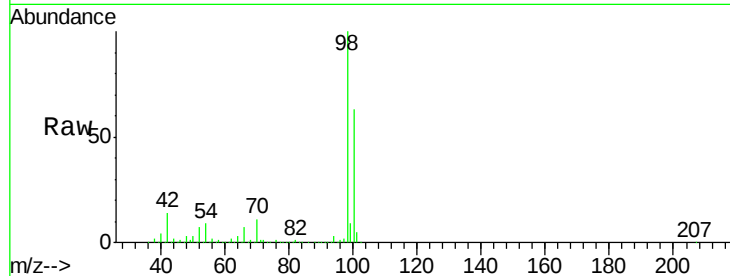
VX0530WBL01

Tgt Ion: 98 Resp: 366592

Ion Ratio Lower Upper

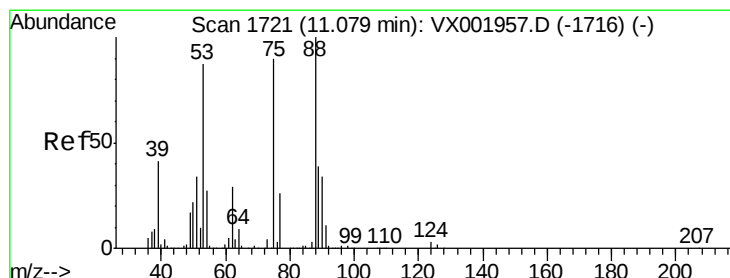
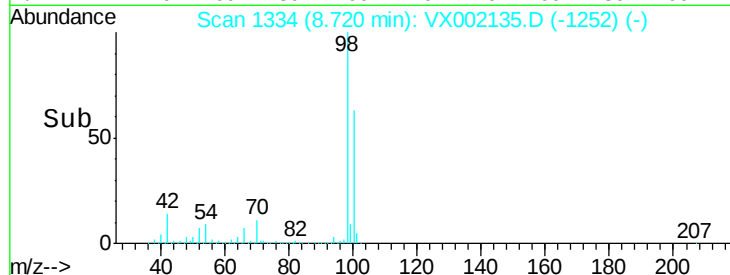
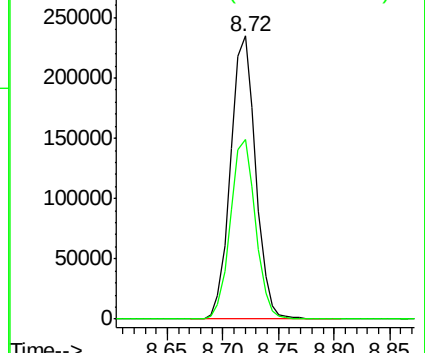
98 100

100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#77

t-1,4-Dichloro-2-butene

Concen: 40.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002135.D

Acq: 30 May 2018 12:26

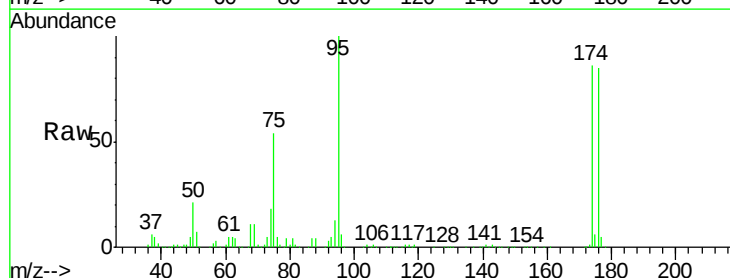
Tgt Ion: 75 Resp: 67477

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

