

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060760.D
 Acq On : 18 Jan 2019 14:01
 Operator : VA/AP
 Sample : I.BLANK
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 I.BLANK

Quant Time: Jan 19 03:23:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	1578167	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.98	114	2137845	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1723134	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.32	152	867339	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	897329	82.28	ug/l	0.02
Spiked Amount			Recovery	=	164.56%	
35) Dibromofluoromethane	6.69	113	869800	55.59	ug/l	0.02
Spiked Amount			Recovery	=	111.18%	
50) Toluene-d8	10.18	98	2466314	52.83	ug/l	0.01
Spiked Amount			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	13.35	95	952773	58.27	ug/l	0.02
Spiked Amount			Recovery	=	116.54%	

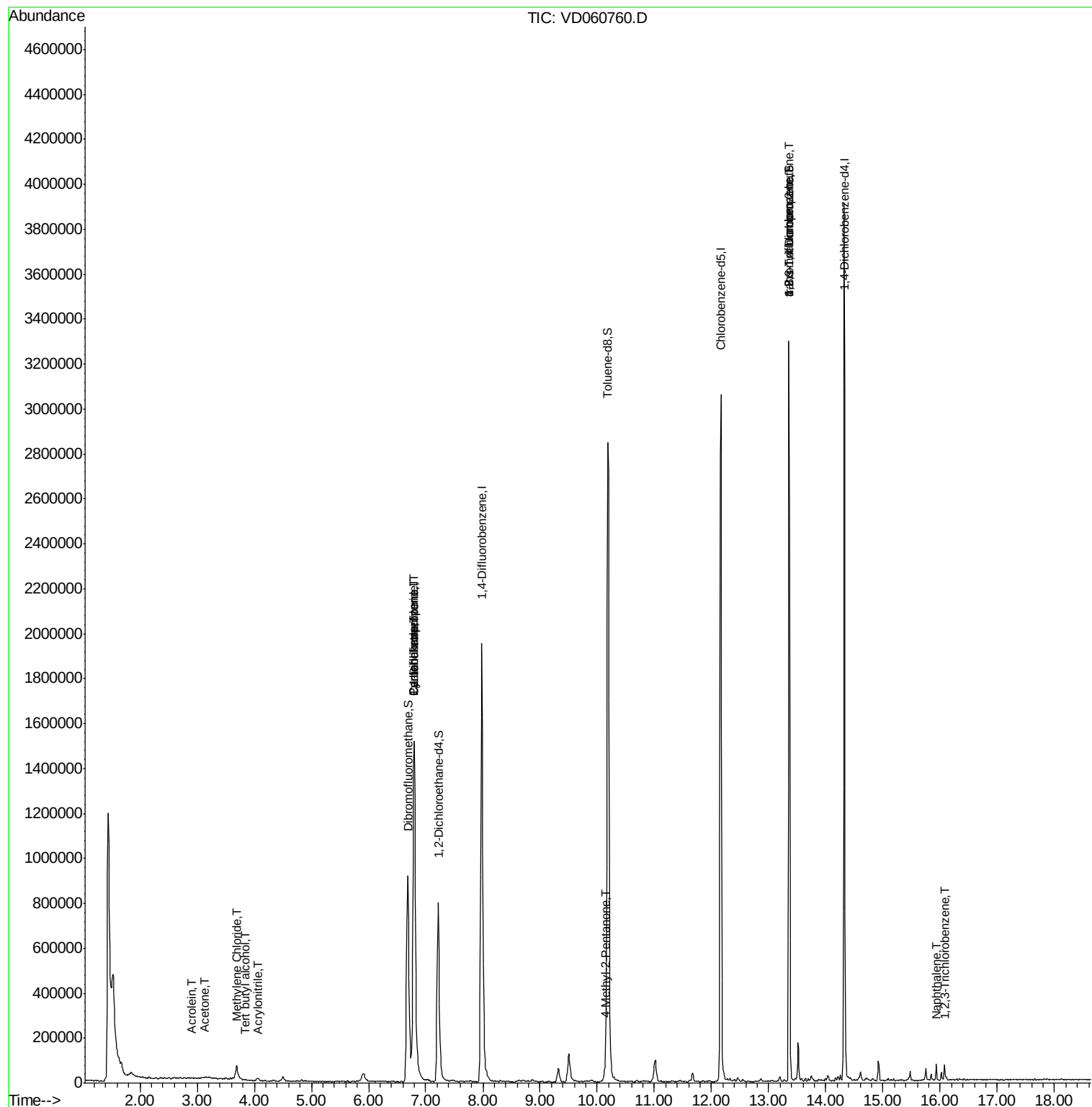
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.85	59	716	1.571	ug/l #	1
13) Acrolein	2.91	56	1690	3.638	ug/l	85
15) Acrylonitrile	4.07	53	4721	1.784	ug/l #	78
16) Acetone	3.12	43	12759	6.699	ug/l #	53
20) Methylene Chloride	3.69	84	36253	1.833	ug/l #	85
31) Cyclohexane	6.79	56	43702	1.587	ug/l #	19
36) 1,1-Dichloropropene	6.80	75	132066	5.999	ug/l #	49
38) Carbon Tetrachloride	6.80	117	146713	7.554	ug/l #	17
51) 4-Methyl-2-Pentanone	10.13	43	13642	1.885	ug/l #	67
76) 1,2,3-Trichloropropane	13.35	75	357840	36.239	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.35	75	455799	167.047	ug/l #	13
95) Naphthalene	15.93	128	42071	1.853	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.08	180	19355	1.296	ug/l	96

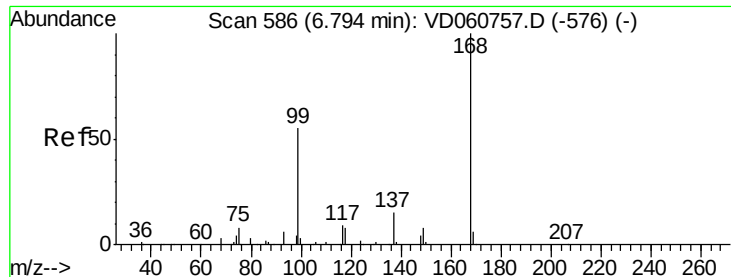
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD011819\
Data File : VD060760.D
Acq On : 18 Jan 2019 14:01
Operator : VA/AP
Sample : I.BLANK
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
I.BLANK

Quant Time: Jan 19 03:23:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.02 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

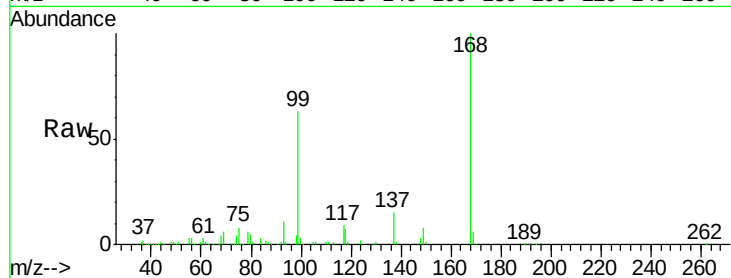
I.BLANK

Tot Ion:168 Resp: 1578167

Ion Ratio Lower Upper

168 100

99 62.8 38.7 58.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.80

500000

400000

300000

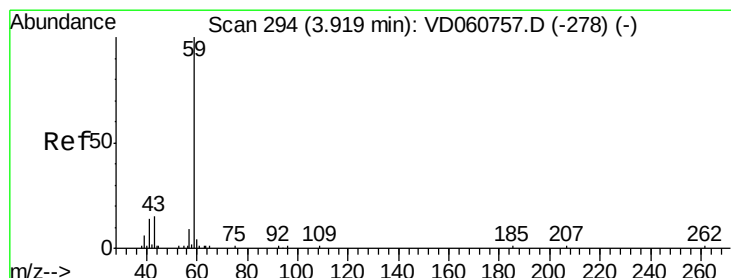
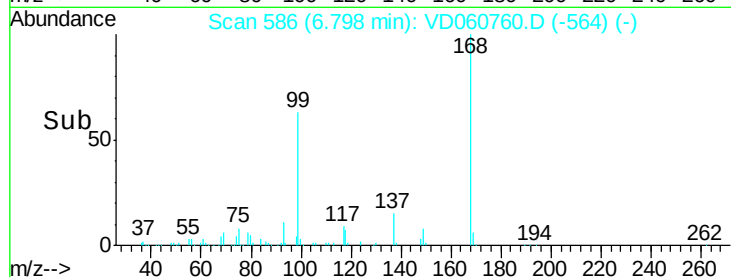
200000

100000

0

Time-->

6.70 6.80 6.90 7.00



#11

Tert butyl alcohol

Concen: 1.571 ug/l

RT: 3.85 min Scan# 287

Delta R.T. -0.00 min

Lab File: VD060760.D

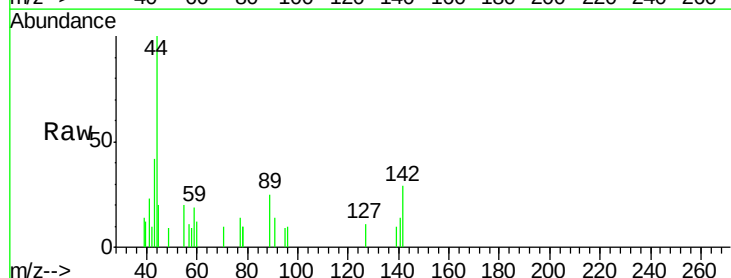
Acq: 18 Jan 2019 14:01

Tgt Ion: 59 Resp: 716

Ion Ratio Lower Upper

59 100

57 105.5 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.85

800

600

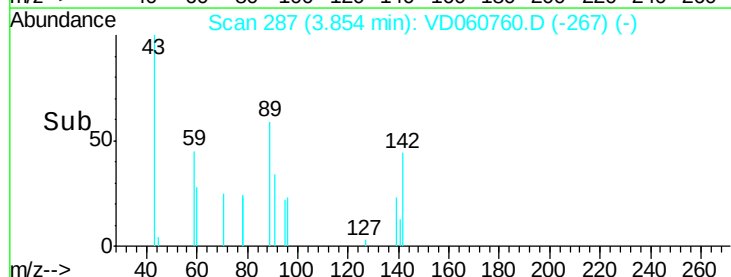
400

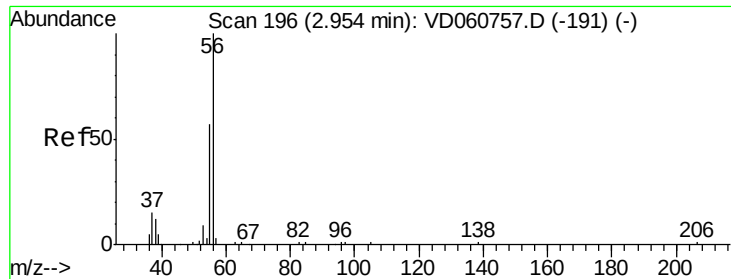
200

0

Time-->

3.82 3.84 3.86 3.88





#13

Acrolein

Concen: 3.638 ug/l

RT: 2.91 min Scan# 191

Delta R.T. -0.04 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

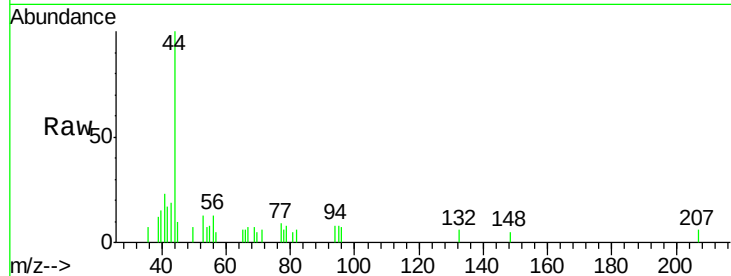
I.BLANK

Tot Ion: 56 Resp: 1690

Ion Ratio Lower Upper

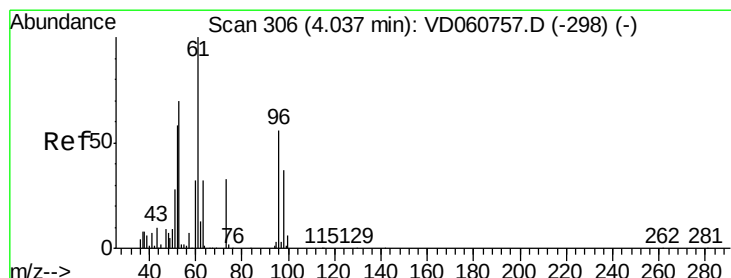
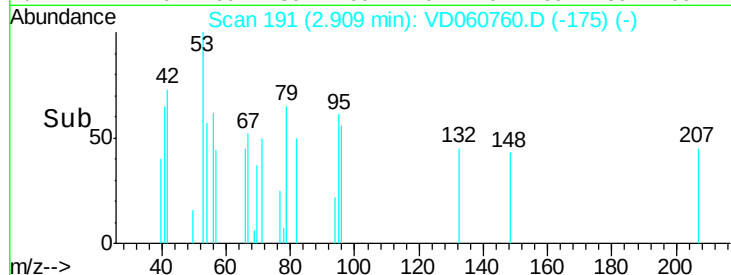
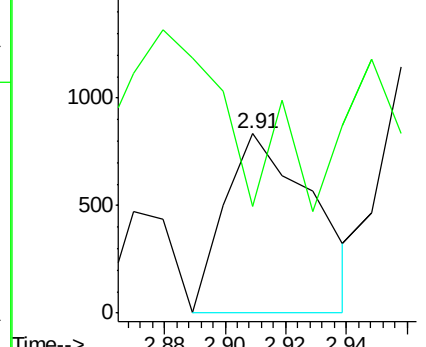
56 100

55 59.9 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.784 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.05 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

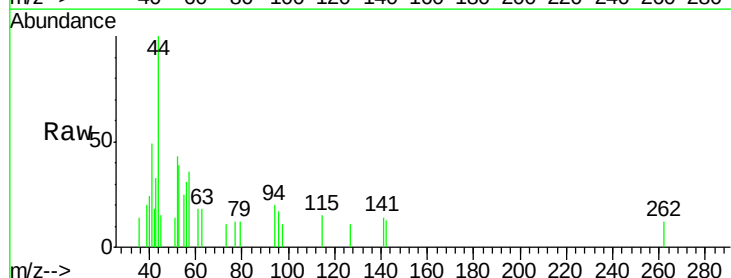
Tgt Ion: 53 Resp: 4721

Ion Ratio Lower Upper

53 100

52 109.7 66.7 100.1#

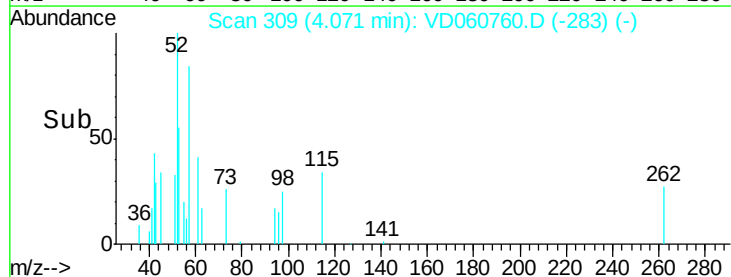
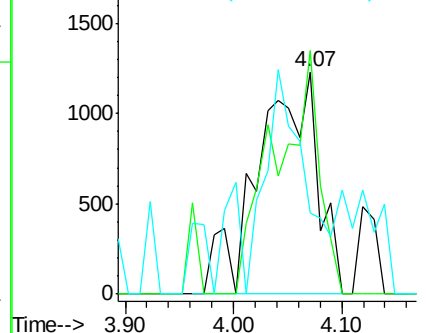
51 36.6 32.7 49.1

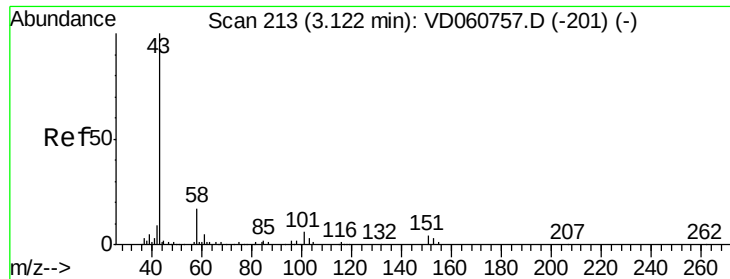


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 6.699 ug/l

RT: 3.12 min Scan# 212

Delta R.T. 0.01 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

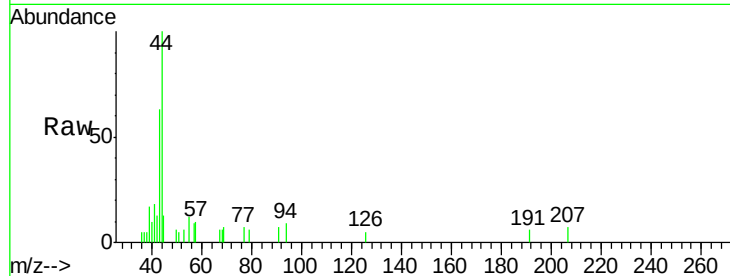
I.BLANK

Tot Ion: 43 Resp: 12759

Ion Ratio Lower Upper

43 100

58 0.0 18.2 27.2#

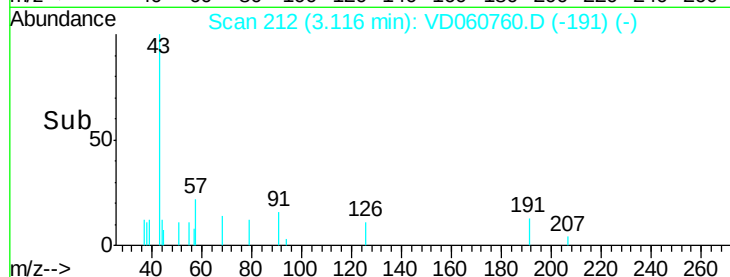


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.12

Time-->



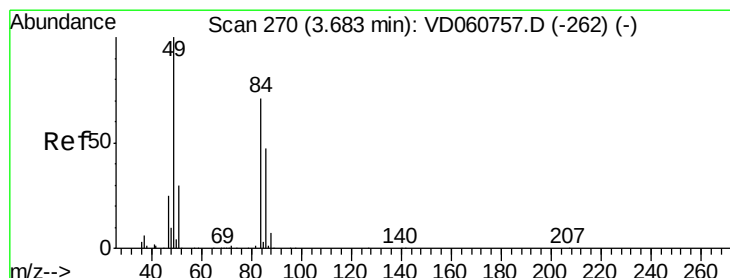
Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.12

Time-->



#20

Methylene Chloride

Concen: 1.833 ug/l

RT: 3.69 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Tgt Ion: 84 Resp: 36253

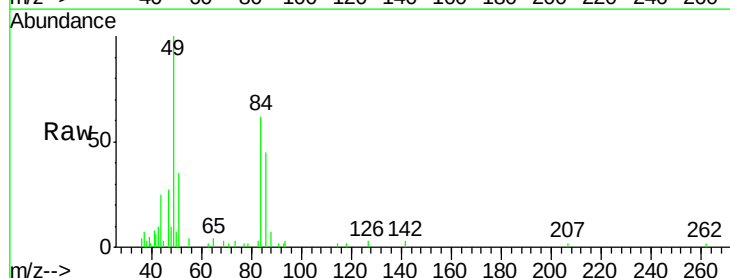
Ion Ratio Lower Upper

84 100

49 162.2 113.6 170.4

51 56.3 34.7 52.1#

86 72.5 52.8 79.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

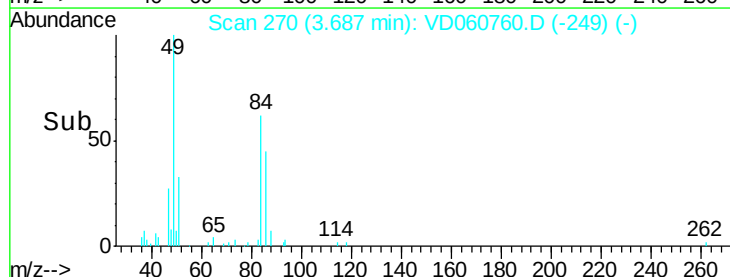
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.69

Time-->



Abundance

Ion 83.95 (83.65 to 84.65): VDC

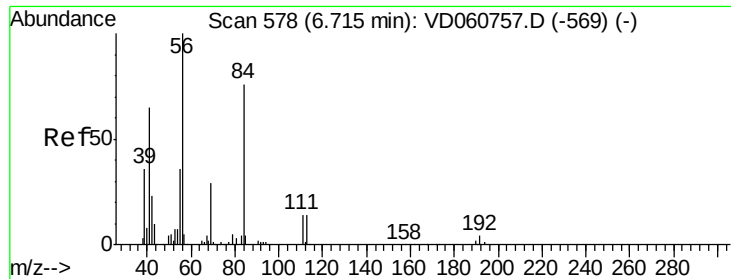
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.69

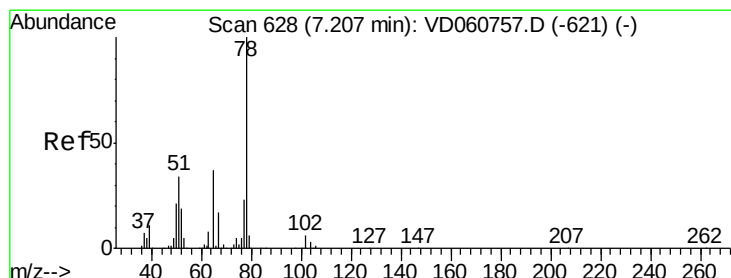
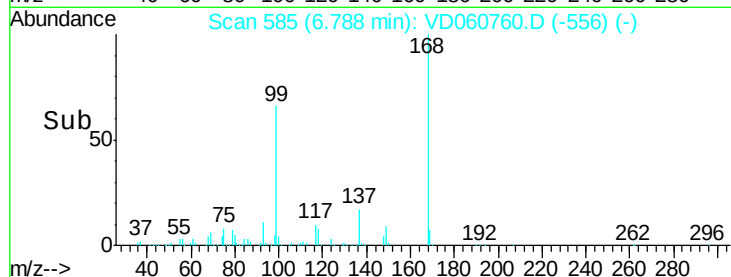
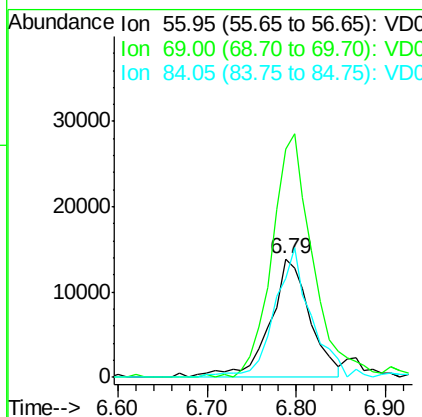
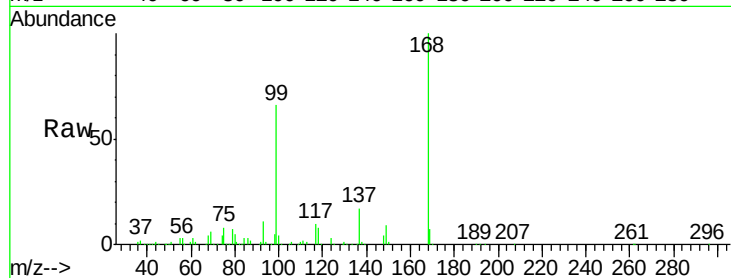
Time-->



#31
Cyclohexane
Concen: 1.587 ug/l
RT: 6.79 min Scan# 585
Delta R.T. 0.08 min
Lab File: VD060760.D
Acq: 18 Jan 2019 14:01

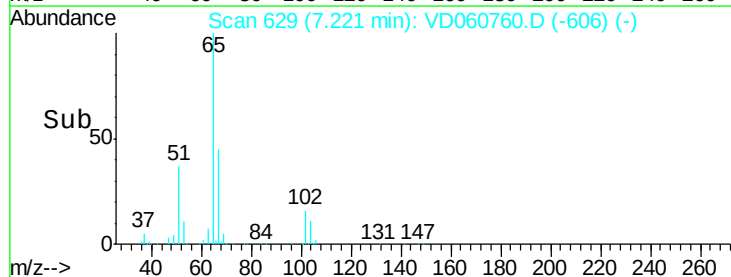
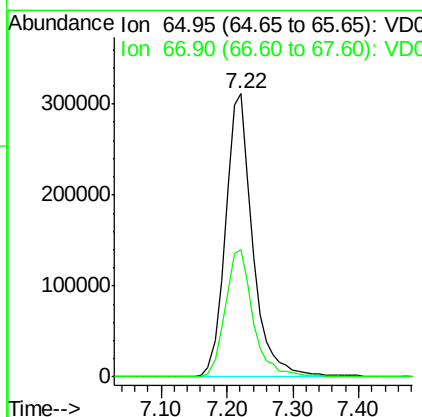
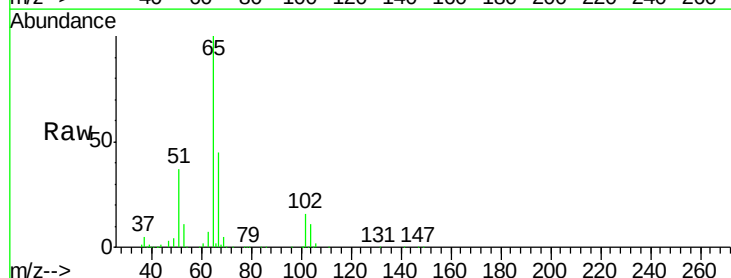
Instrument :
MSVOA_D
ClientSampleId :
I.BLANK

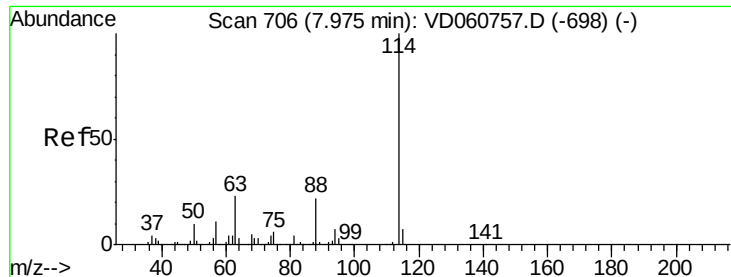
Tot Ion: 56 Resp: 43702
Ion Ratio Lower Upper
56 100
69 193.1 23.6 35.4#
84 83.4 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.02 min
Lab File: VD060760.D
Acq: 18 Jan 2019 14:01

Tgt Ion: 65 Resp: 897329
Ion Ratio Lower Upper
65 100
67 44.9 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

I.BLANK

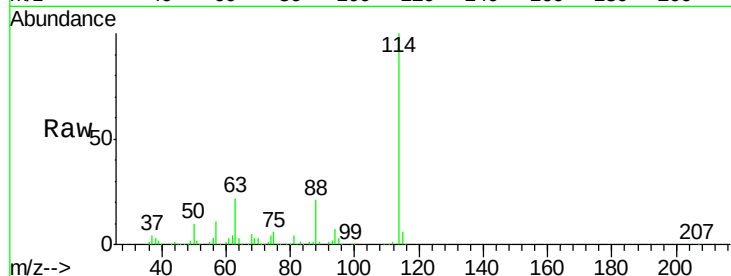
Tot Ion:114 Resp: 2137845

Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.2

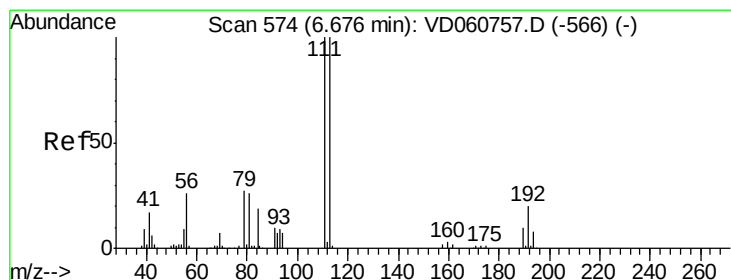
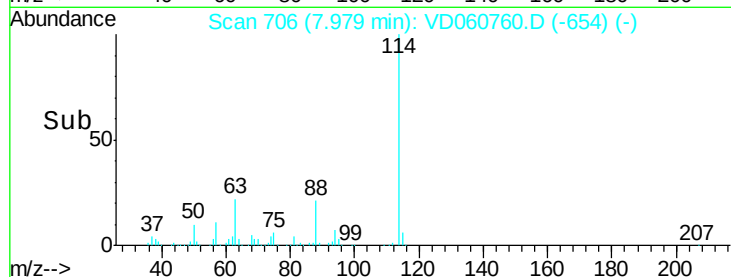
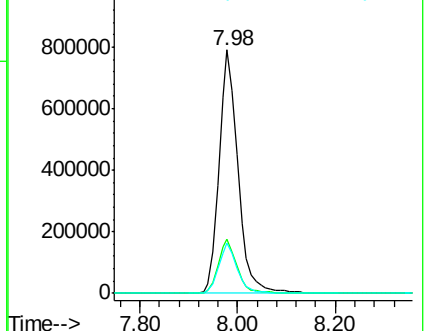
88 20.6 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.69 min Scan# 575

Delta R.T. 0.02 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

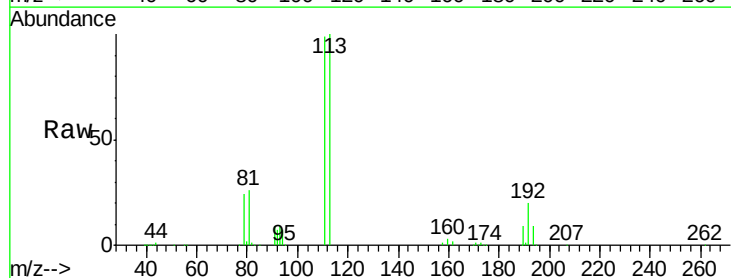
Tgt Ion:113 Resp: 869800

Ion Ratio Lower Upper

113 100

111 99.3 80.0 120.0

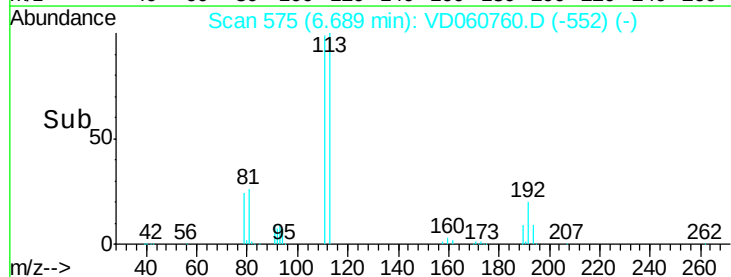
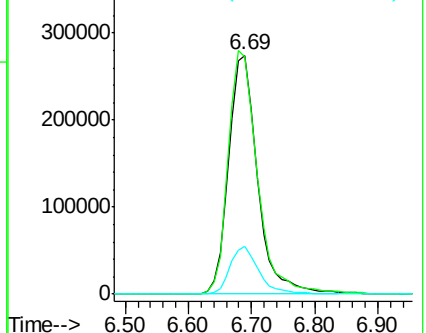
192 19.9 16.6 25.0

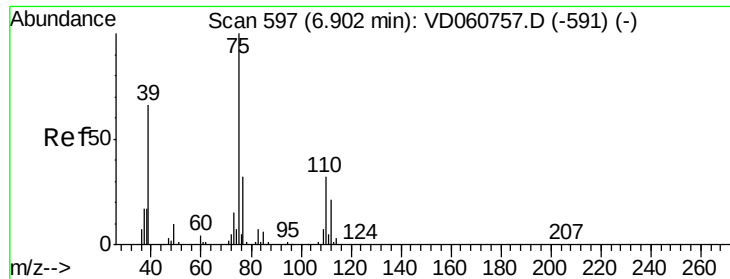


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.999 ug/l

RT: 6.80 min Scan# 586

Delta R.T. -0.09 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

I.BLANK

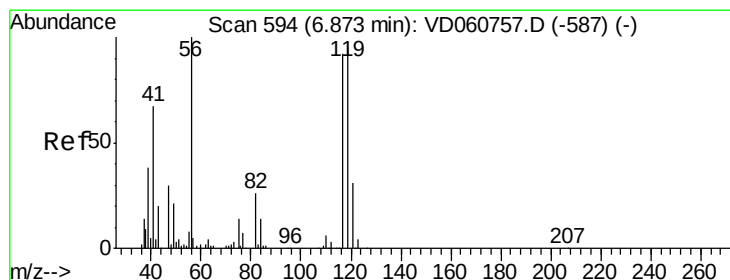
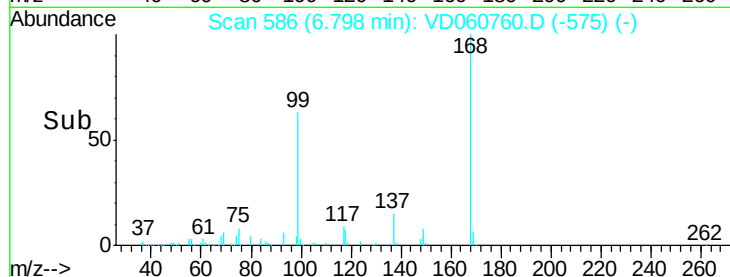
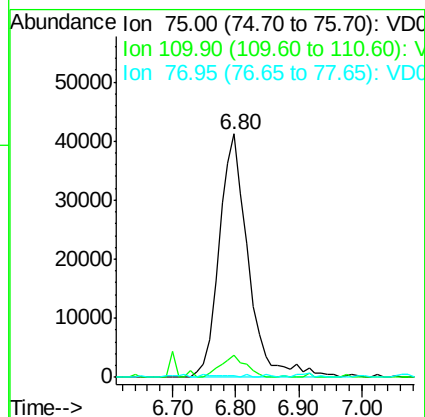
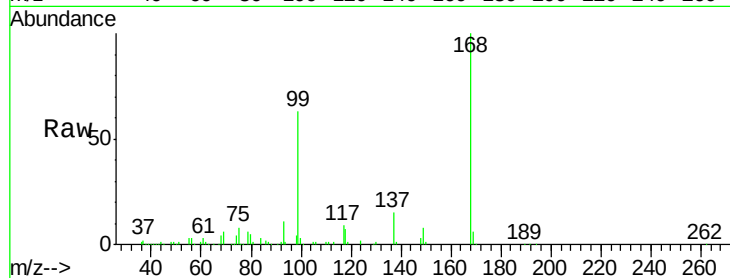
Tot Ion: 75 Resp: 132066

Ion Ratio Lower Upper

75 100

110 9.3 18.9 56.7#

77 0.8 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 7.554 ug/l

RT: 6.80 min Scan# 586

Delta R.T. -0.06 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

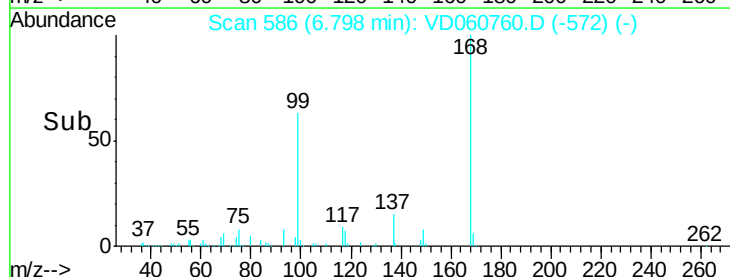
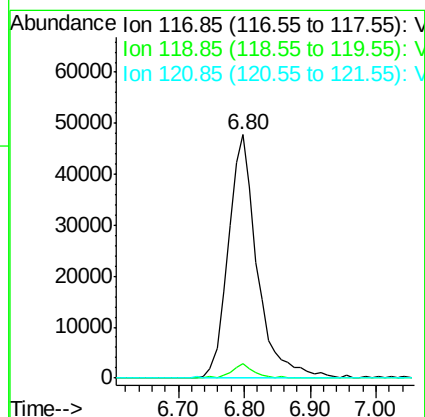
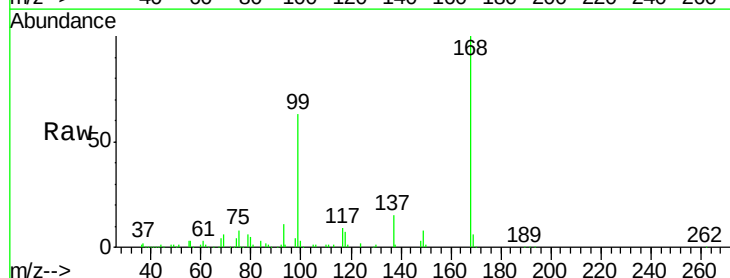
Tgt Ion: 117 Resp: 146713

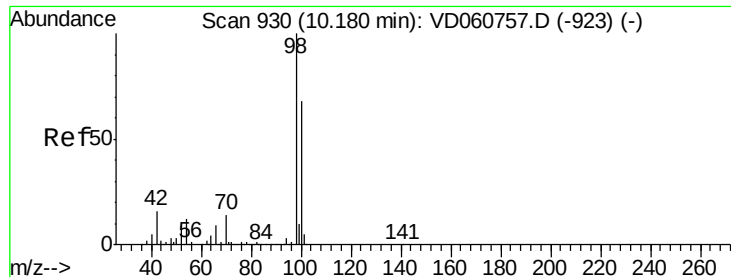
Ion Ratio Lower Upper

117 100

119 6.1 77.0 115.4#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.18 min Scan# 930

Delta R.T. 0.01 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

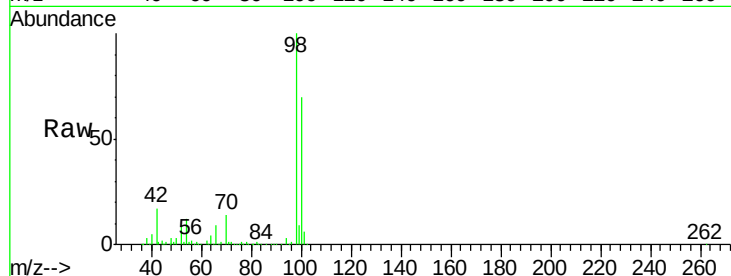
I.BLANK

Tot Ion: 98 Resp: 2466314

Ion Ratio Lower Upper

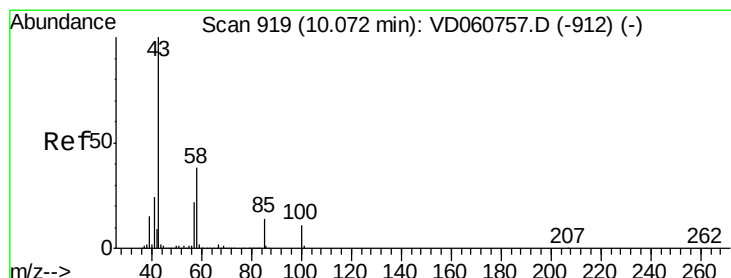
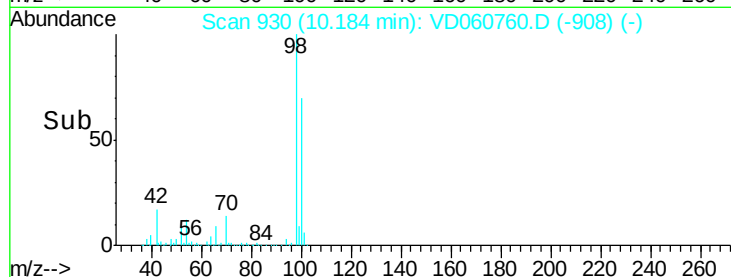
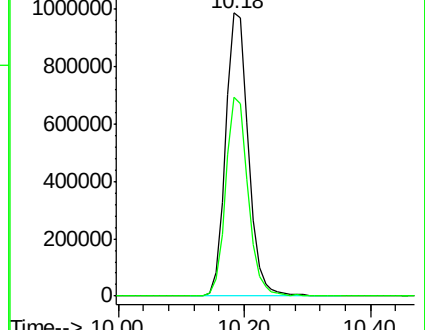
98 100

100 70.4 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VD060757.D (-923) (-)

Ion 100.05 (99.75 to 100.75): VD060757.D (-923) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.885 ug/l

RT: 10.13 min Scan# 925

Delta R.T. 0.08 min

Lab File: VD060760.D

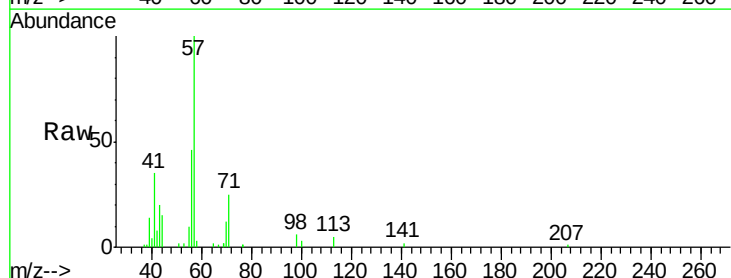
Acq: 18 Jan 2019 14:01

Tgt Ion: 43 Resp: 13642

Ion Ratio Lower Upper

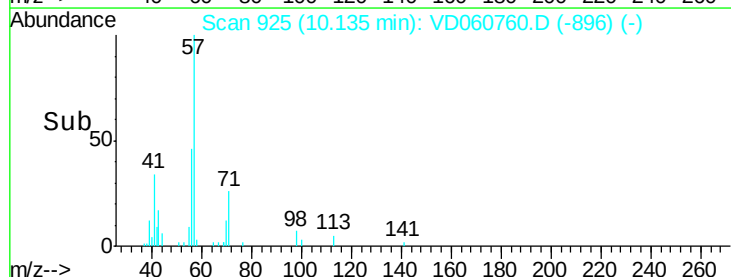
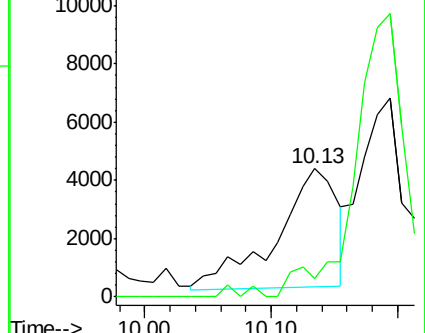
43 100

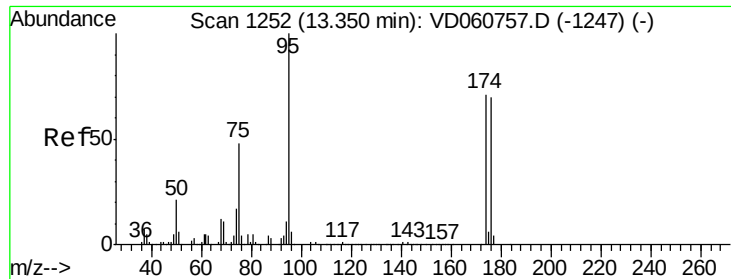
58 14.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060757.D (-912) (-)

Ion 57.95 (57.65 to 58.65): VD060757.D (-912) (-)

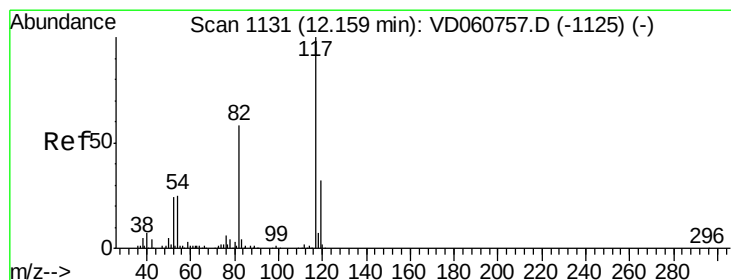
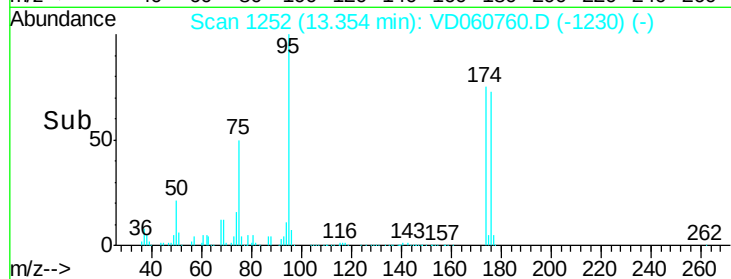
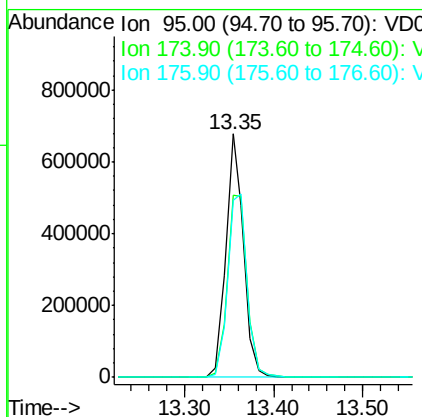
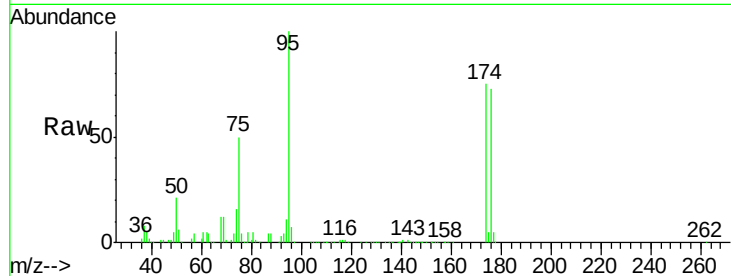




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.35 min Scan# 1252
Delta R.T. 0.02 min
Lab File: VD060760.D
Acq: 18 Jan 2019 14:01

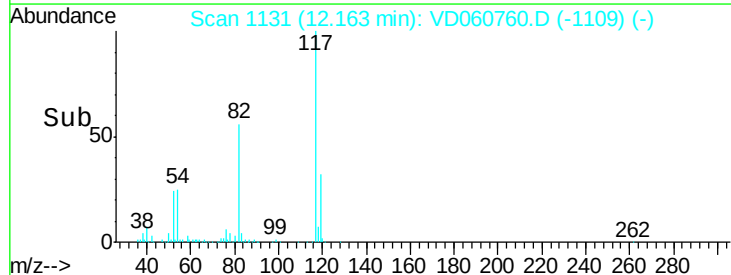
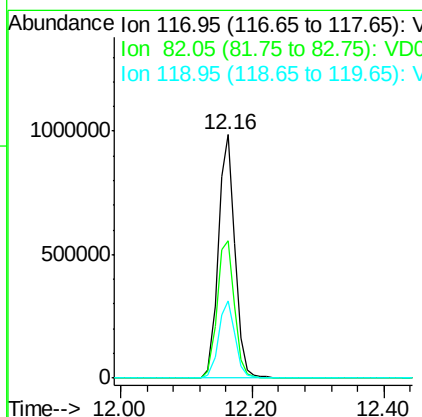
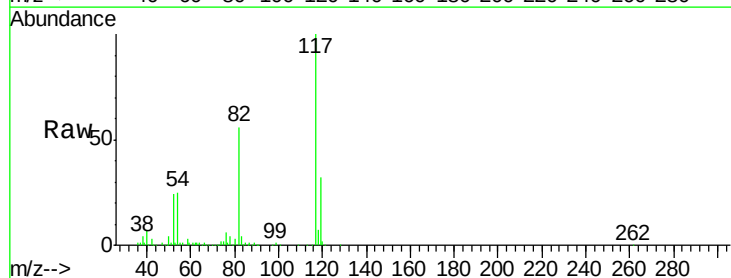
Instrument :
MSVOA_D
ClientSampleId :
I.BLANK

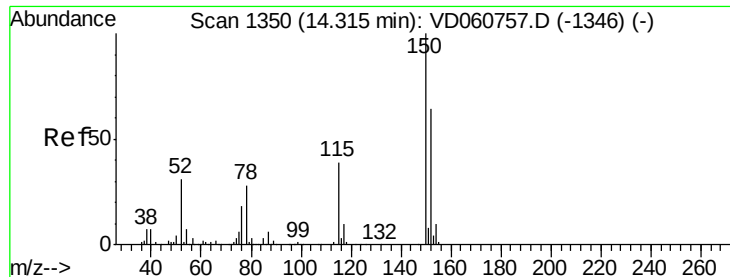
Tot Ion	95	Resp	952773
Ion Ratio	Lower	Upper	
95	100		
174	75.0	0.0	158.2
176	72.6	0.0	152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.02 min
Lab File: VD060760.D
Acq: 18 Jan 2019 14:01

Tgt Ion	117	Resp	1723134
Ion Ratio	Lower	Upper	
117	100		
82	56.3	44.5	66.7
119	31.5	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

I.BLANK

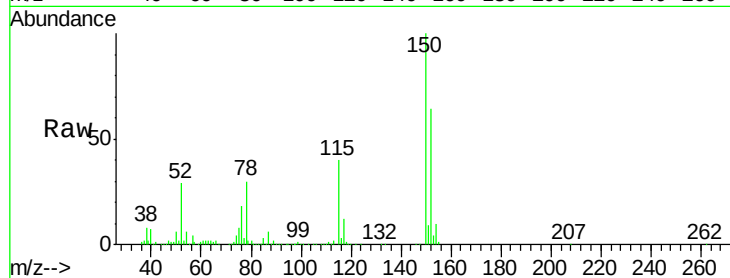
Tot Ion:152 Resp: 867339

Ion Ratio Lower Upper

152 100

115 62.1 24.1 72.3

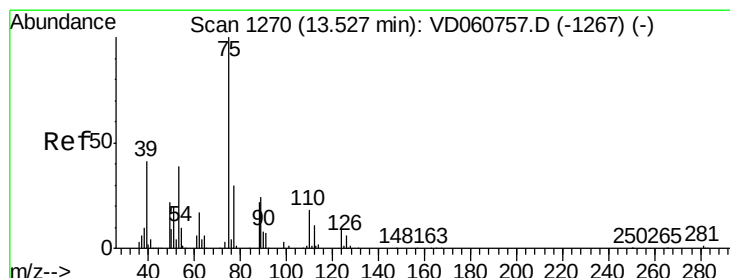
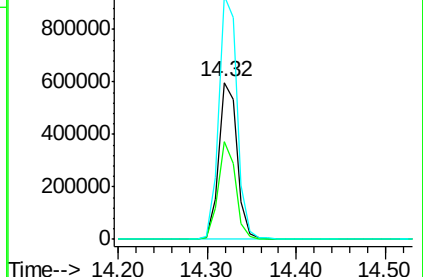
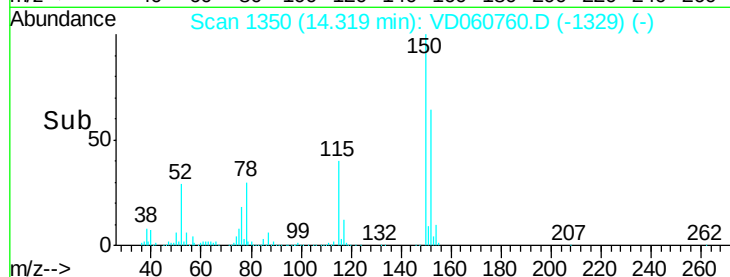
150 155.5 0.0 315.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.239 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. -0.17 min

Lab File: VD060760.D

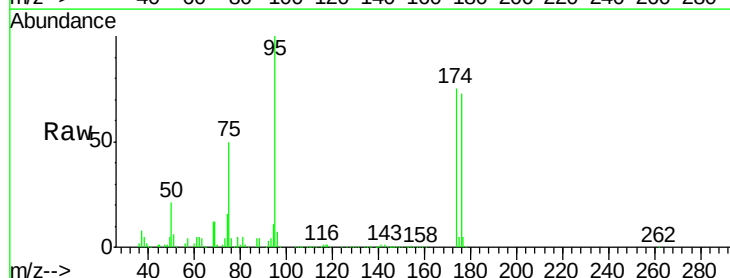
Acq: 18 Jan 2019 14:01

Tgt Ion: 75 Resp: 357840

Ion Ratio Lower Upper

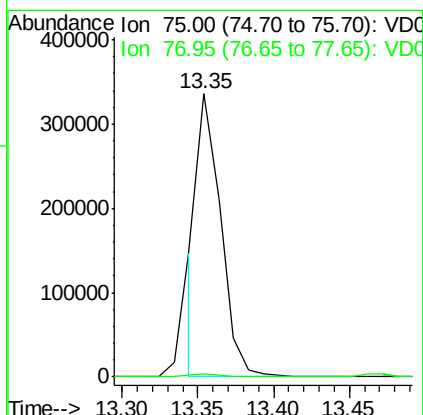
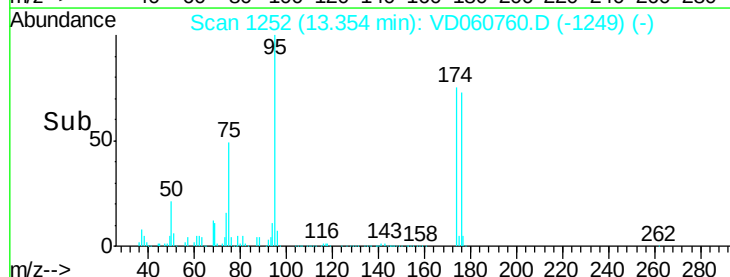
75 100

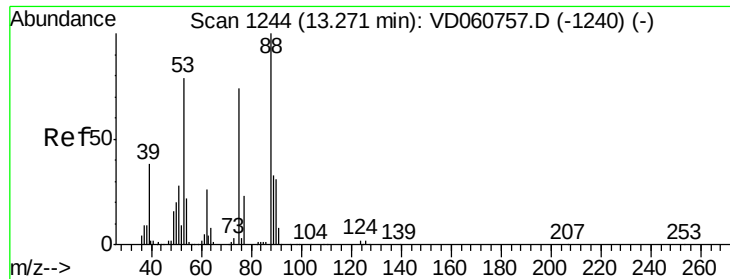
77 1.0 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 167.047 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.09 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

I.BLANK

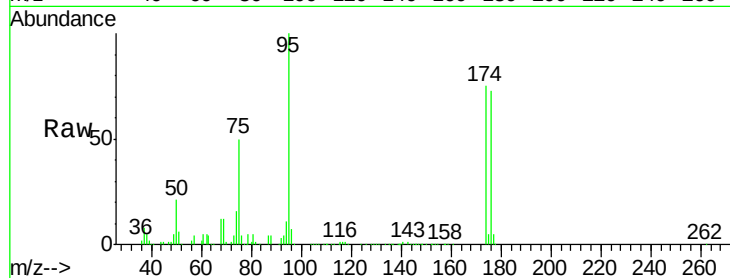
Tot Ion: 75 Resp: 455799

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

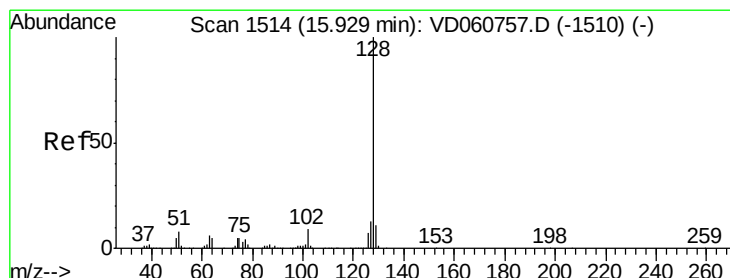
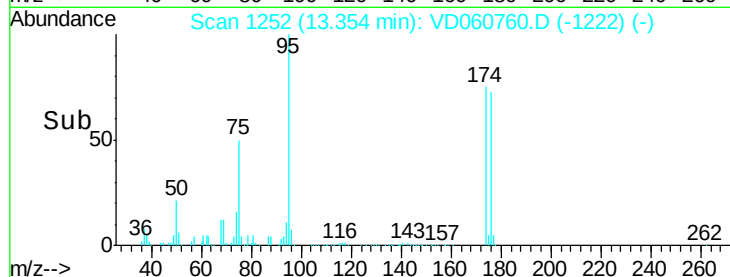
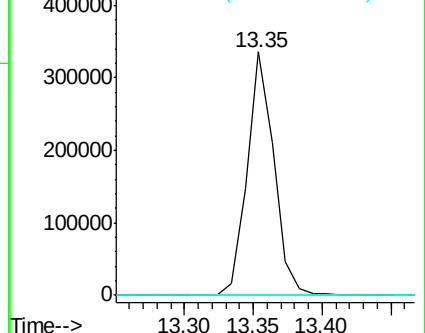
89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#95

Naphthalene

Concen: 1.853 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.02 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

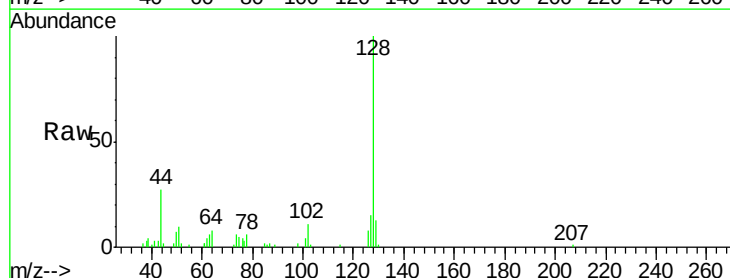
Tgt Ion:128 Resp: 42071

Ion Ratio Lower Upper

128 100

127 15.2 10.1 15.1#

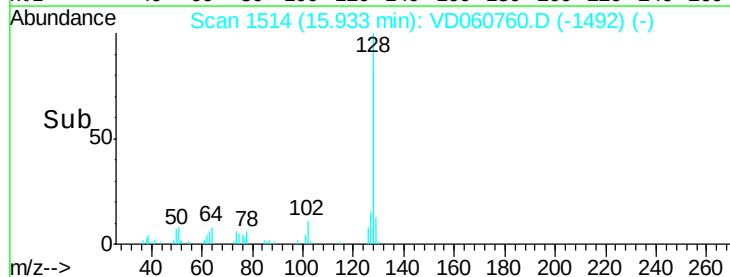
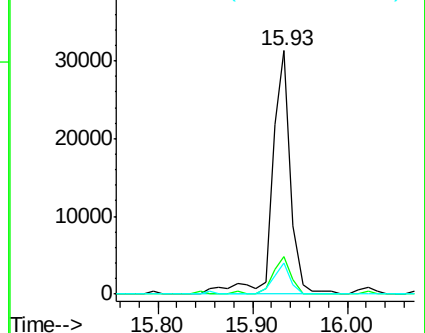
129 12.5 8.6 13.0

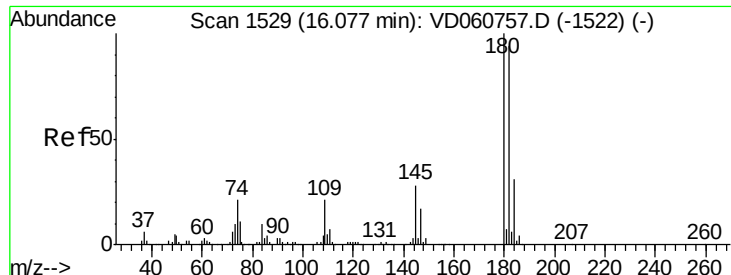


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.296 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.02 min

Lab File: VD060760.D

Acq: 18 Jan 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

I.BLANK

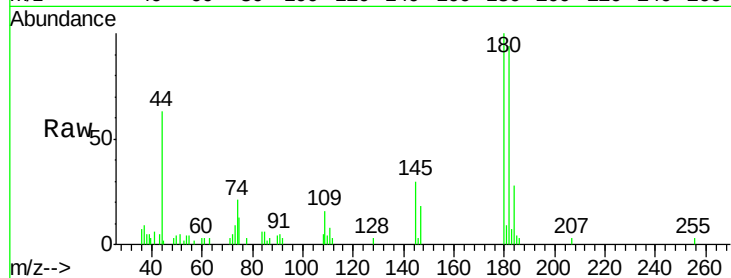
Tot Ion:180 Resp: 19355

Ion Ratio Lower Upper

180 100

182 94.5 48.6 145.9

145 29.8 12.6 37.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

