

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060813.D
 Acq On : 1 Feb 2019 12:07
 Operator : VA/AP
 Sample : VD0201SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBL01

Quant Time: Feb 02 00:22:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.75	168	531732	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.94	114	741188	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	589035	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	312544	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	406568	49.87	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	99.74%	
35) Dibromofluoromethane	6.64	113	342046	48.12	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	96.24%	
50) Toluene-d8	10.15	98	787274	47.43	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	13.34	95	397186	47.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.22%	

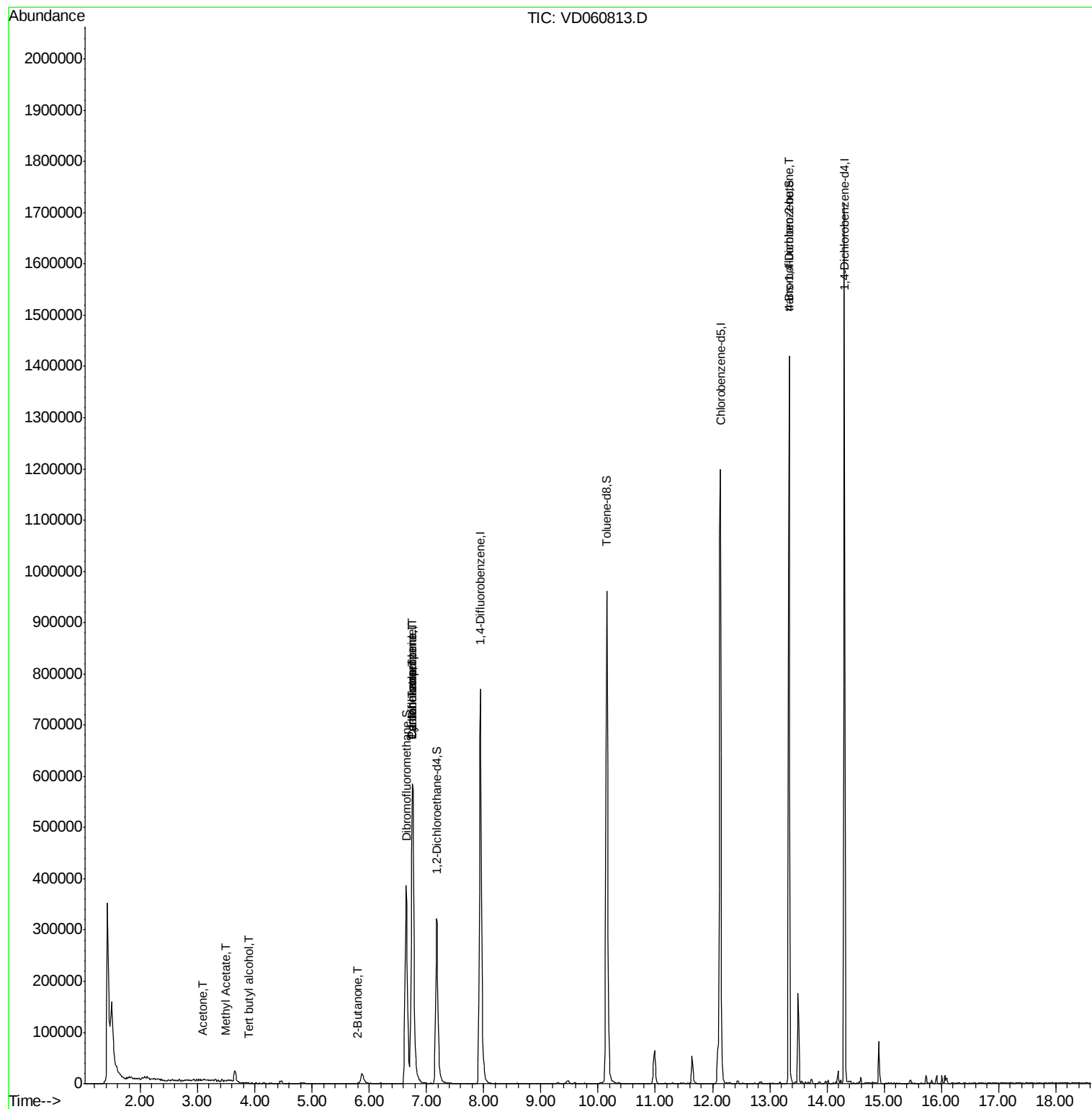
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.89	59	485	1.245	ug/l #	69
13) Acrolein	2.93	56	392	Below Cal	#	10
16) Acetone	3.09	43	4329	3.677	ug/l #	59
18) Methyl Acetate	3.49	43	3237	1.387	ug/l #	63
20) Methylene Chloride	3.64	84	14366	Below Cal	#	82
25) 2-Butanone	5.79	43	1511	1.003	ug/l #	59
31) Cyclohexane	6.75	56	15880	2.123	ug/l #	1
36) 1,1-Dichloropropene	6.75	75	55526	6.274	ug/l #	53
38) Carbon Tetrachloride	6.76	117	61569	5.548	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.34	75	215388	144.149	ug/l #	1

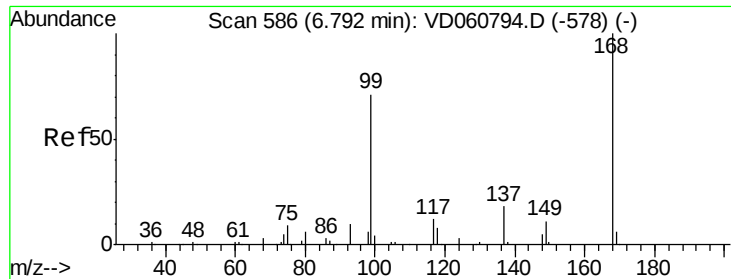
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060813.D
Acq On : 1 Feb 2019 12:07
Operator : VA/AP
Sample : VD0201SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VD0201SBL01

Quant Time: Feb 02 00:22:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 29 13:53:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.75 min Scan# 582

Delta R.T. -0.04 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

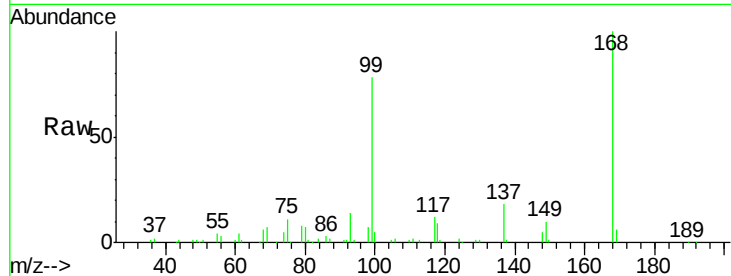
VD0201SBL01

Tot Ion:168 Resp: 531732

Ion Ratio Lower Upper

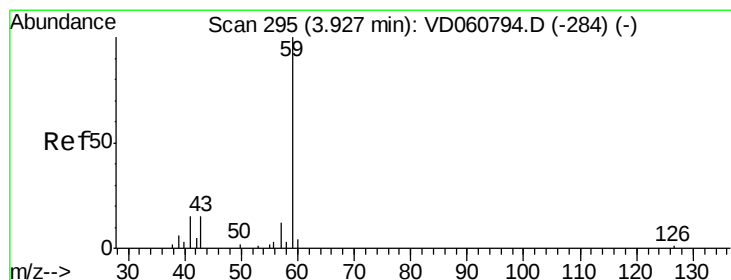
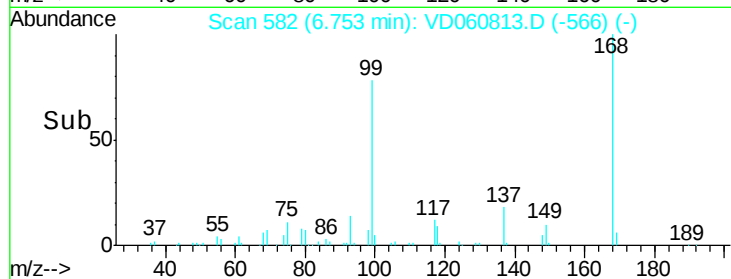
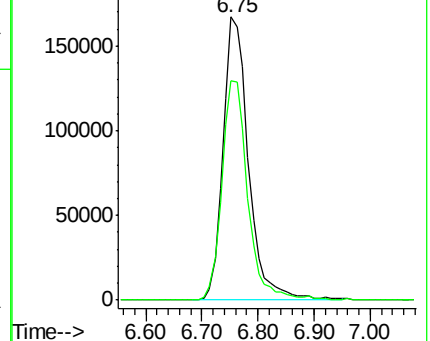
168 100

99 77.7 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.245 ug/l

RT: 3.89 min Scan# 291

Delta R.T. -0.04 min

Lab File: VD060813.D

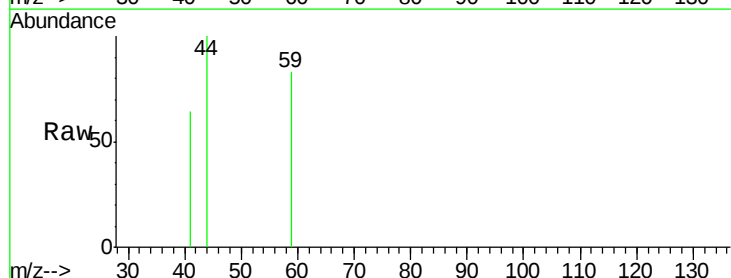
Acq: 1 Feb 2019 12:07

Tgt Ion: 59 Resp: 485

Ion Ratio Lower Upper

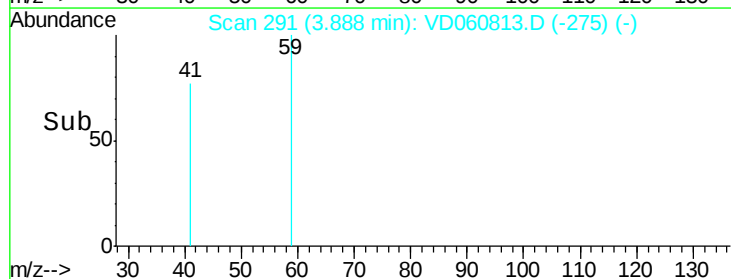
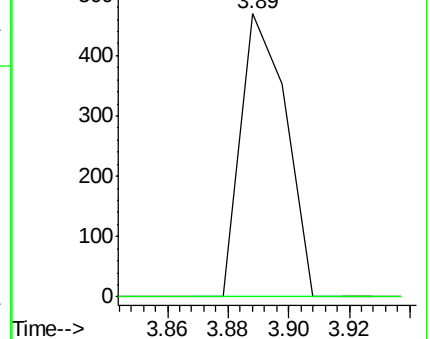
59 100

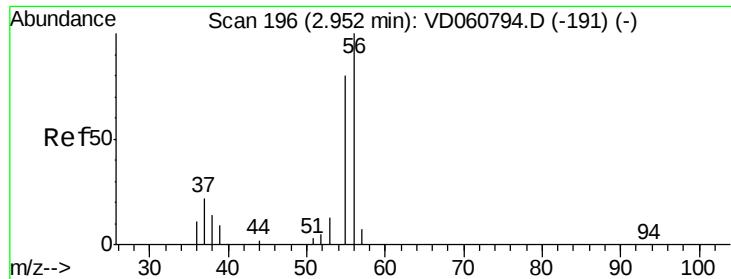
57 0.0 9.8 14.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: Below Cal

RT: 2.93 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

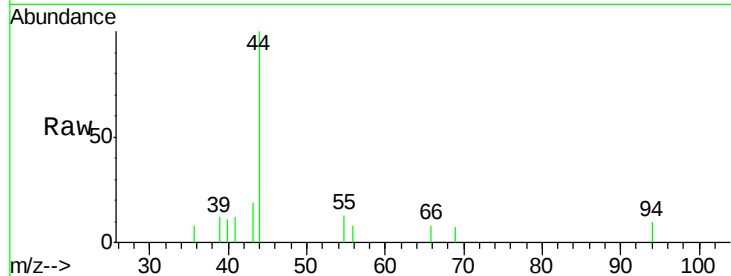
VD0201SBL01

Tot Ion: 56 Resp: 392

Ion Ratio Lower Upper

56 100

55 159.6 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

600

500

400

300

200

100

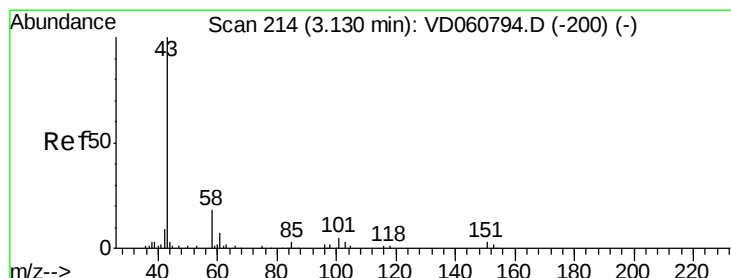
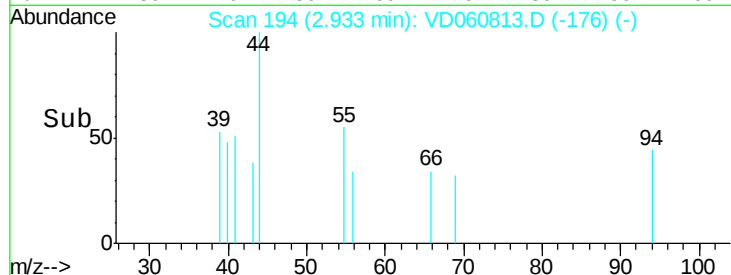
0

Time-->

2.90

2.95

2.93



#16

Acetone

Concen: 3.677 ug/l

RT: 3.09 min Scan# 210

Delta R.T. -0.04 min

Lab File: VD060813.D

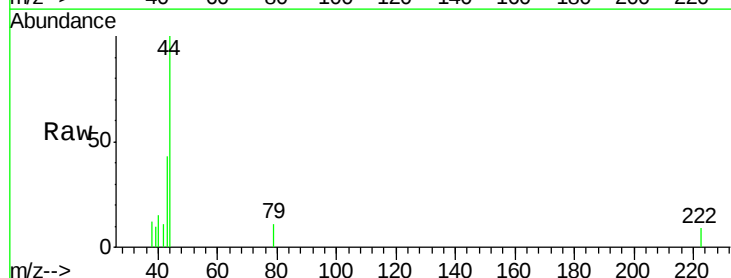
Acq: 1 Feb 2019 12:07

Tgt Ion: 43 Resp: 4329

Ion Ratio Lower Upper

43 100

58 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2000

1500

1000

500

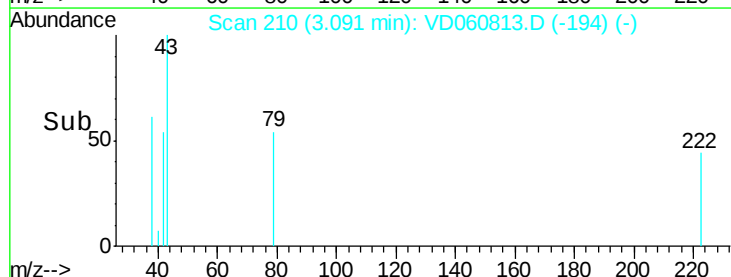
0

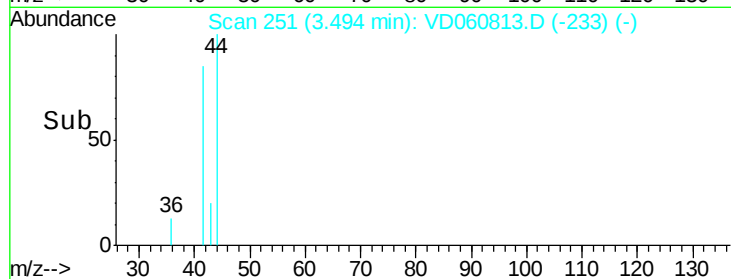
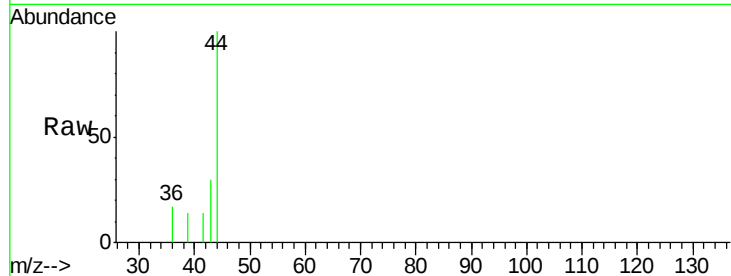
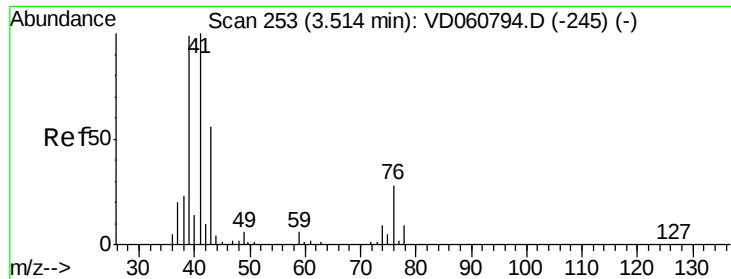
Time-->

3.05

3.10

3.09

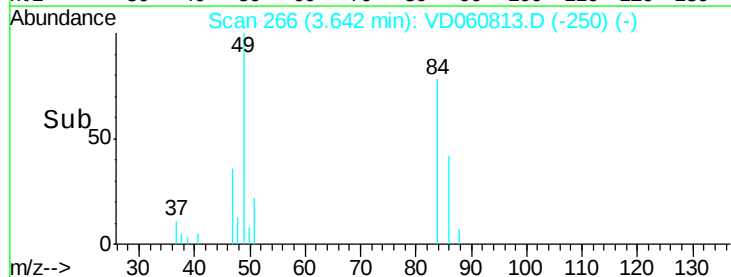
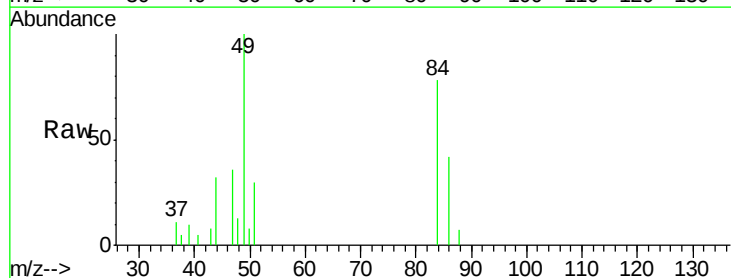
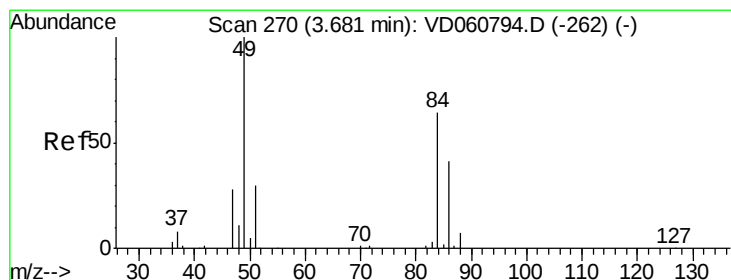
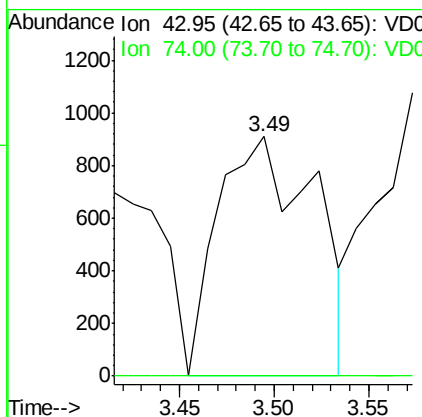




#18
Methyl Acetate
Concen: 1.387 ug/l
RT: 3.49 min Scan# 251
Delta R.T. -0.02 min
Lab File: VD060813.D
Acq: 1 Feb 2019 12:07

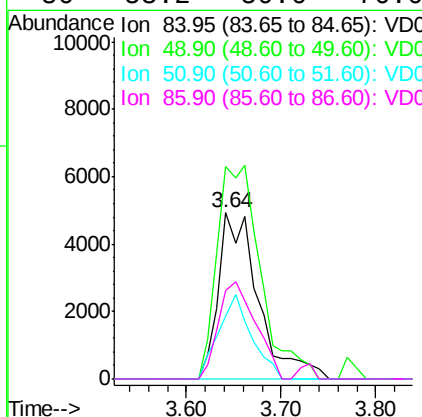
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBL01

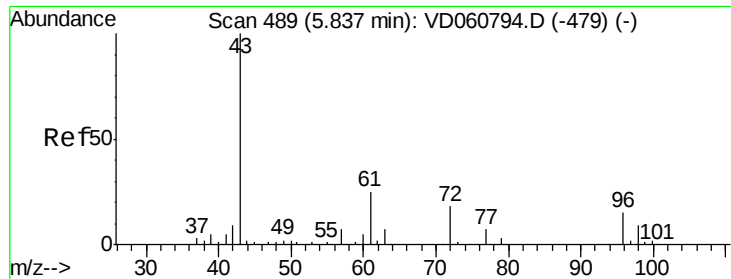
Tot Ion: 43 Resp: 3237
Ion Ratio Lower Upper
43 100
74 0.0 12.5 18.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.64 min Scan# 266
Delta R.T. -0.04 min
Lab File: VD060813.D
Acq: 1 Feb 2019 12:07

Tgt Ion: 84 Resp: 14366
Ion Ratio Lower Upper
84 100
49 127.8 124.2 186.2
51 37.8 38.1 57.1#
86 53.2 50.6 76.0





#25

2-Butanone

Concen: 1.003 ug/l

RT: 5.79 min Scan# 484

Delta R.T. -0.05 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

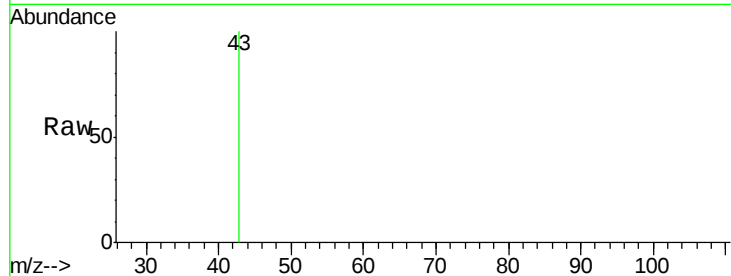
VD0201SBL01

Tot Ion: 43 Resp: 1511

Ion Ratio Lower Upper

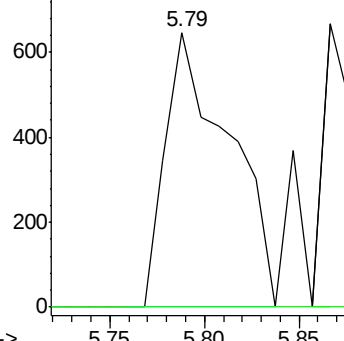
43 100

72 0.0 14.4 21.6#

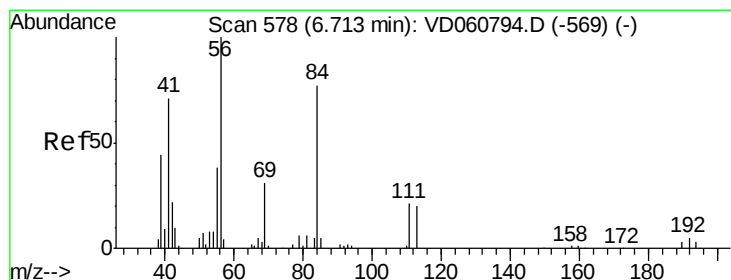
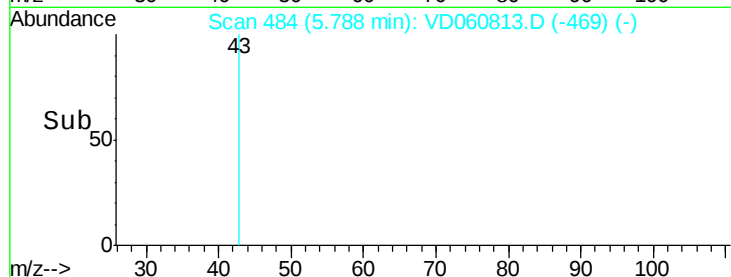


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 2.123 ug/l

RT: 6.75 min Scan# 582

Delta R.T. 0.04 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

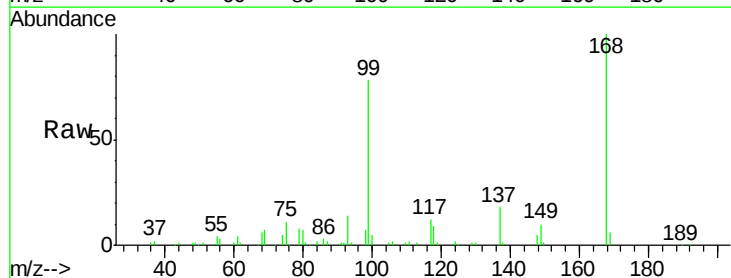
Tgt Ion: 56 Resp: 15880

Ion Ratio Lower Upper

56 100

69 227.7 25.1 37.7#

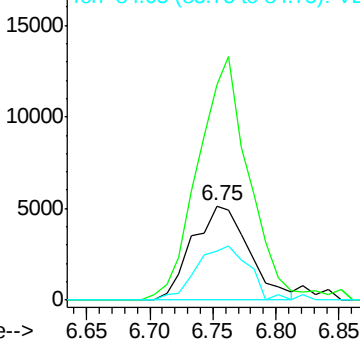
84 52.1 63.9 95.9#



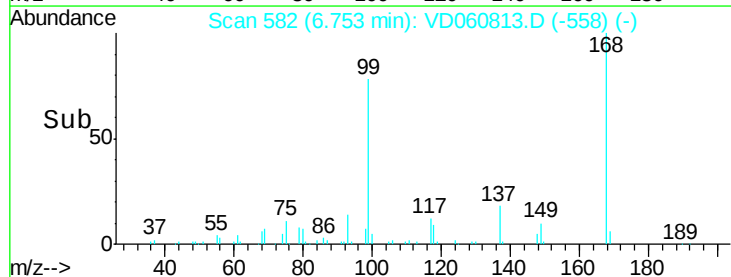
Abundance Ion 55.95 (55.65 to 56.65): VDC

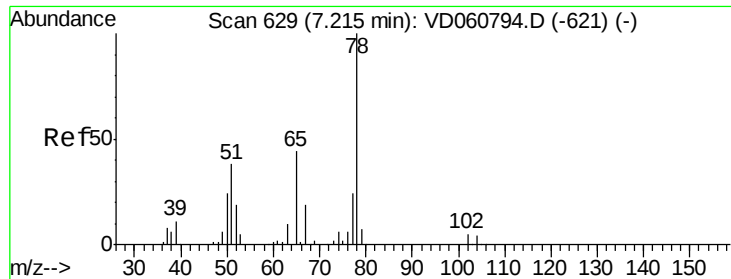
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->

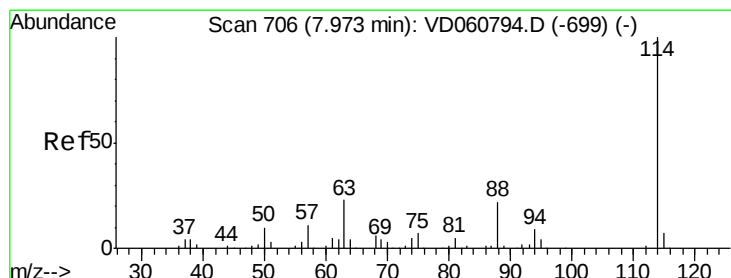
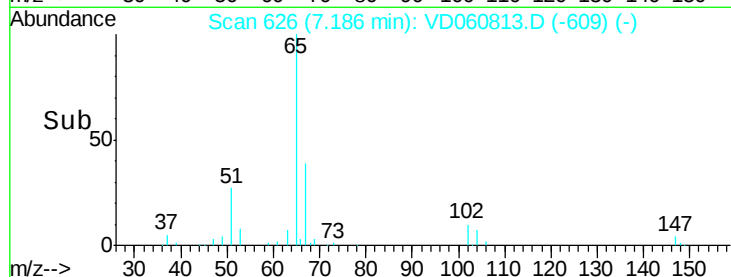
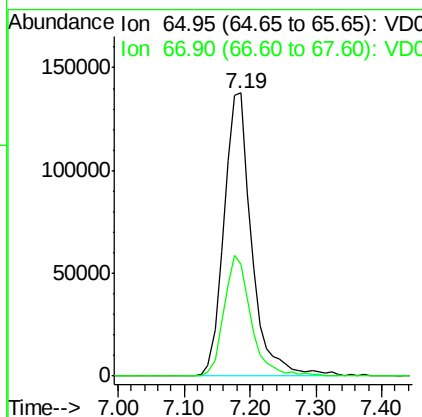
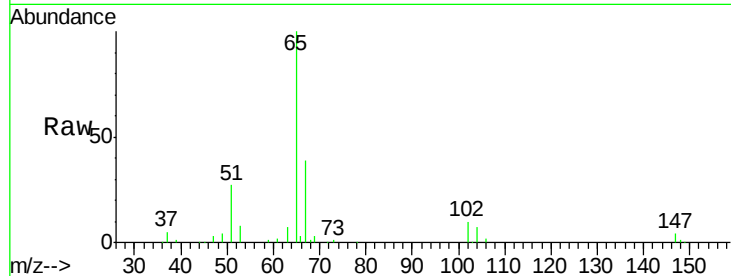




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.19 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD060813.D
 Acq: 1 Feb 2019 12:07

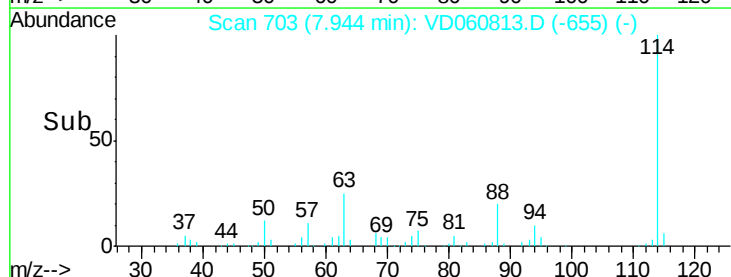
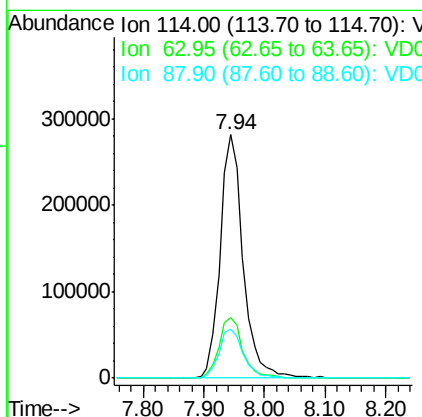
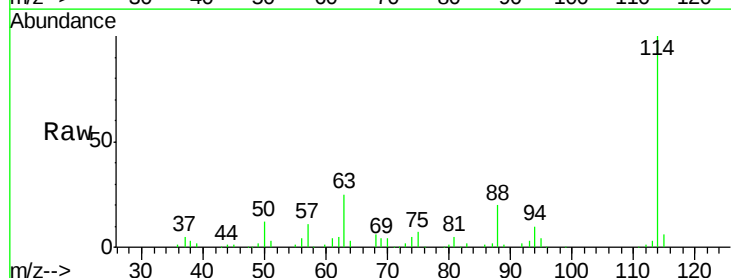
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBL01

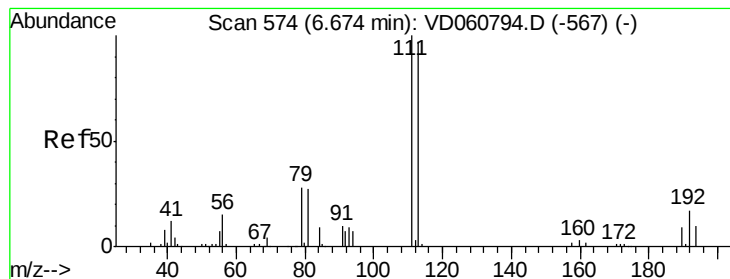
Tot Ion: 65 Resp: 406568
 Ion Ratio Lower Upper
 65 100
 67 39.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060813.D
 Acq: 1 Feb 2019 12:07

Tgt Ion: 114 Resp: 741188
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 46.6
 88 20.4 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBL01

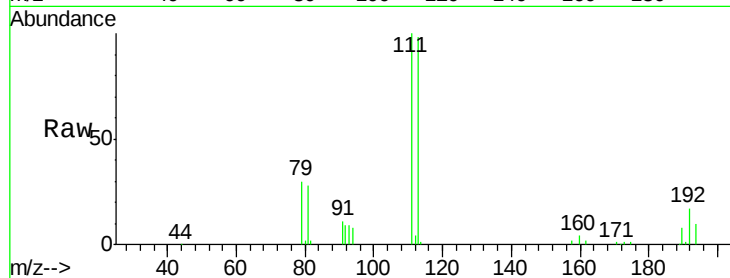
Tot Ion:113 Resp: 342046

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

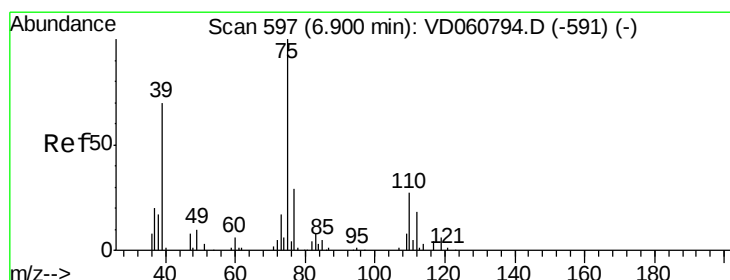
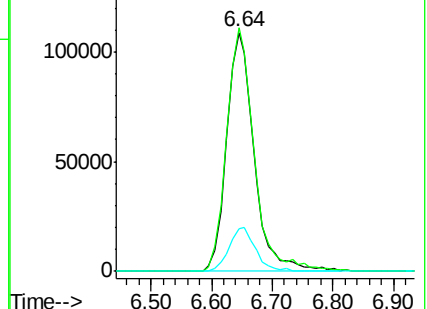
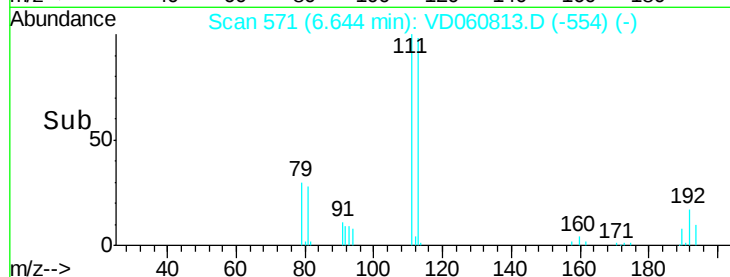
192 17.7 14.4 21.6



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: 6.274 ug/l

RT: 6.75 min Scan# 582

Delta R.T. -0.15 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

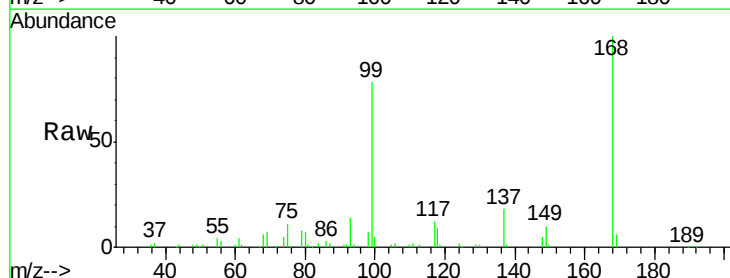
Tgt Ion: 75 Resp: 55526

Ion Ratio Lower Upper

75 100

110 6.8 13.5 40.4#

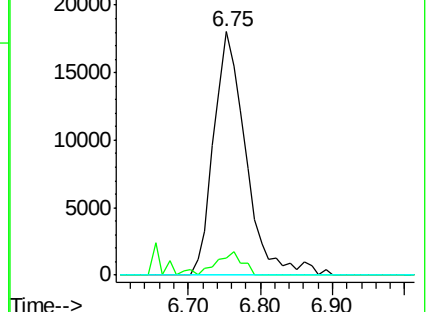
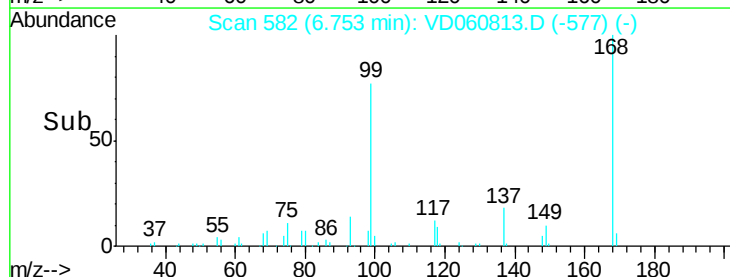
77 0.0 23.4 35.2#

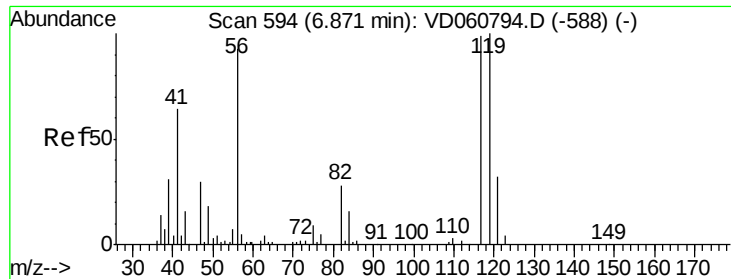


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.548 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.11 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBL01

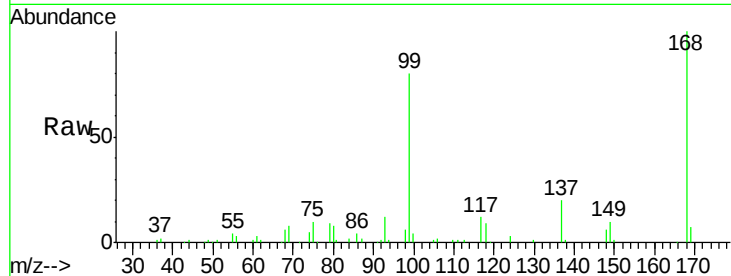
Tot Ion:117 Resp: 61569

Ion Ratio Lower Upper

117 100

119 2.4 75.6 113.4#

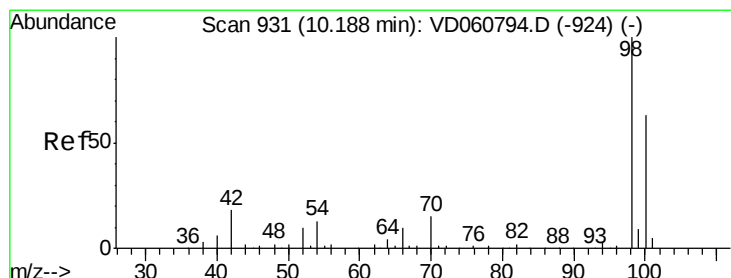
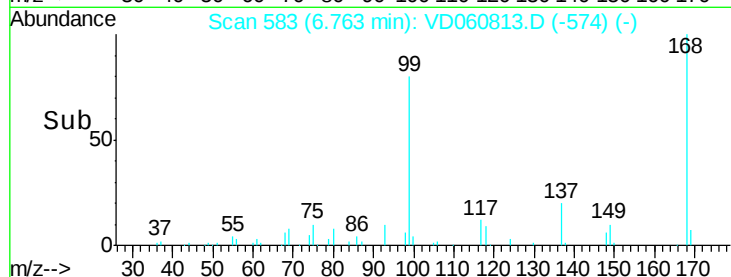
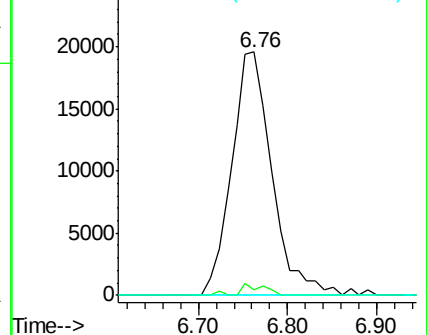
121 0.0 23.4 35.2#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.15 min Scan# 927

Delta R.T. -0.04 min

Lab File: VD060813.D

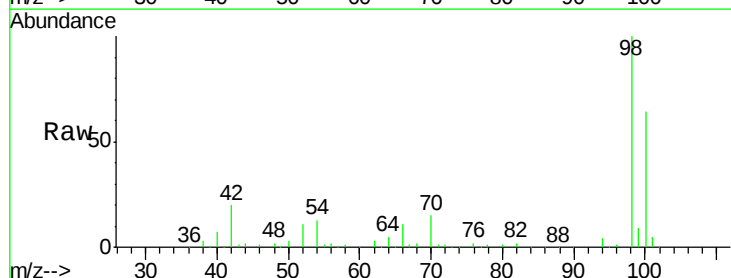
Acq: 1 Feb 2019 12:07

Tgt Ion: 98 Resp: 787274

Ion Ratio Lower Upper

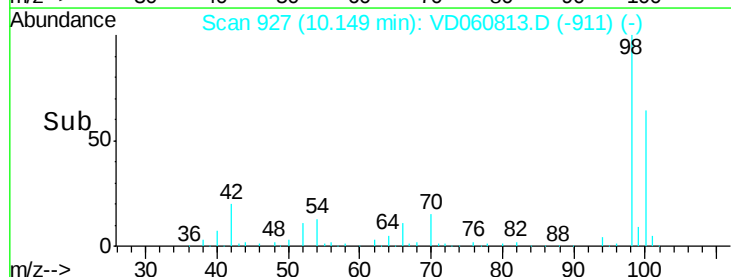
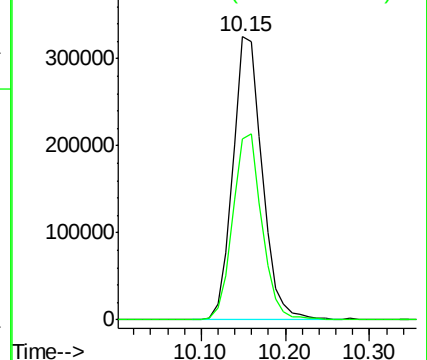
98 100

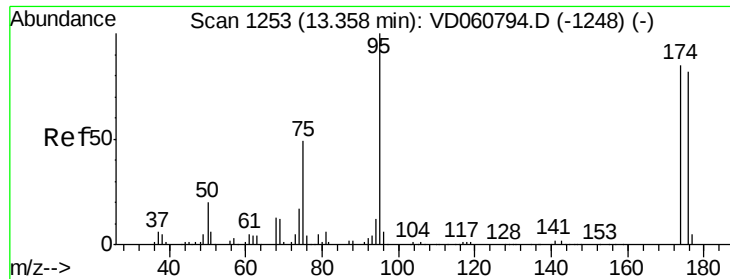
100 64.1 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBL01

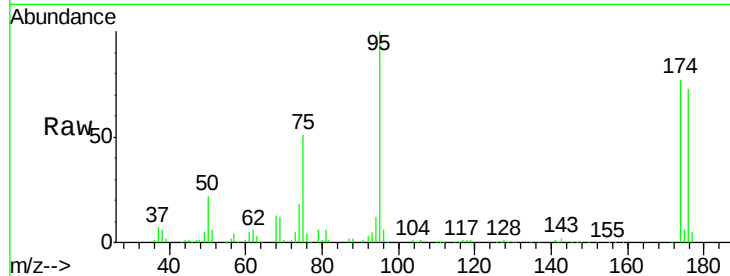
Tot Ion: 95 Resp: 397186

Ion Ratio Lower Upper

95 100

174 77.3 0.0 169.6

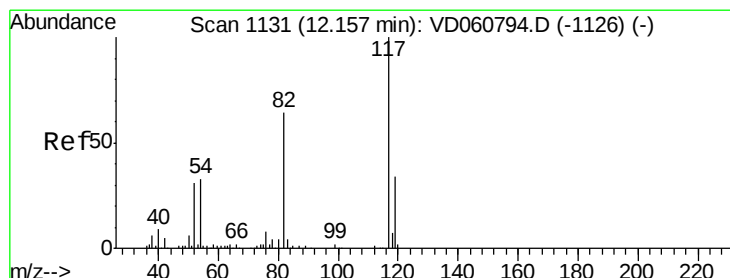
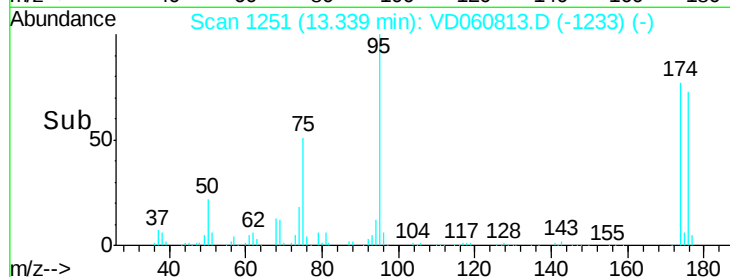
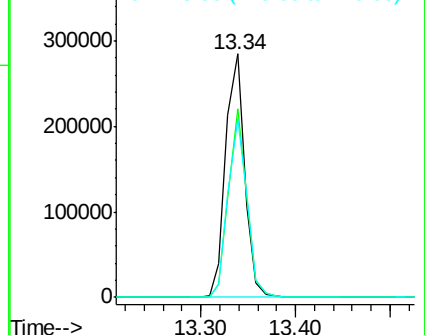
176 73.4 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.14 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

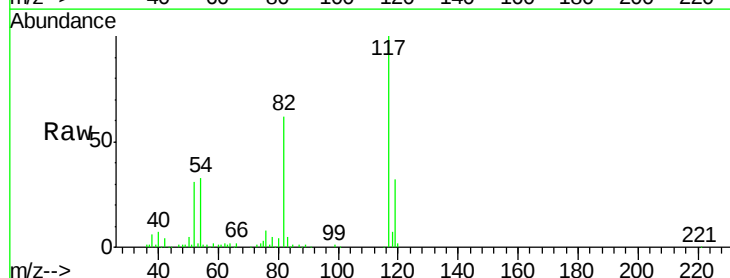
Tgt Ion: 117 Resp: 589035

Ion Ratio Lower Upper

117 100

82 61.7 51.5 77.3

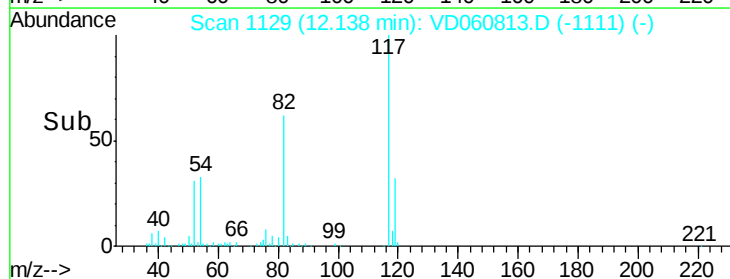
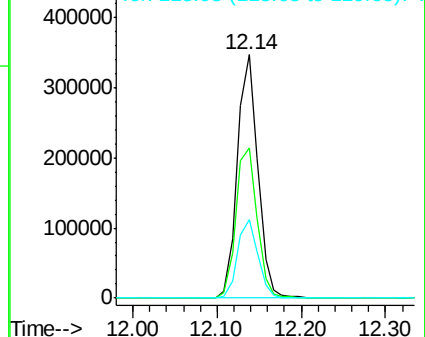
119 32.0 27.1 40.7

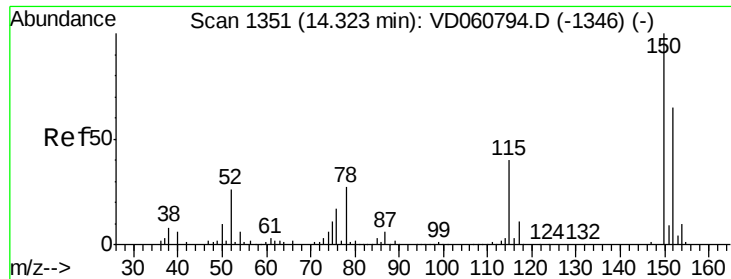


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.30 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBL01

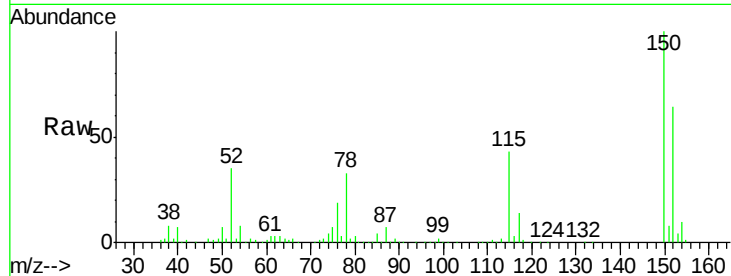
Tot Ion:152 Resp: 312544

Ion Ratio Lower Upper

152 100

115 67.7 31.6 95.0

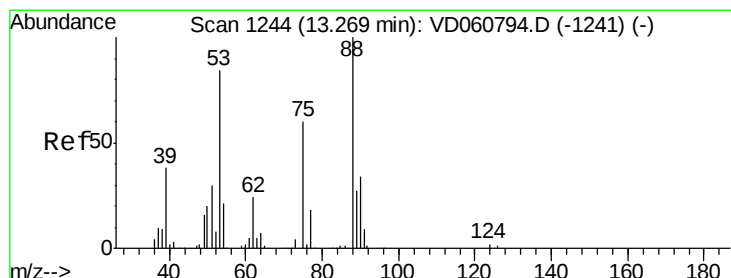
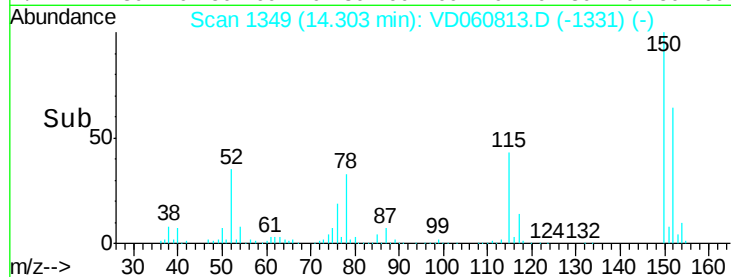
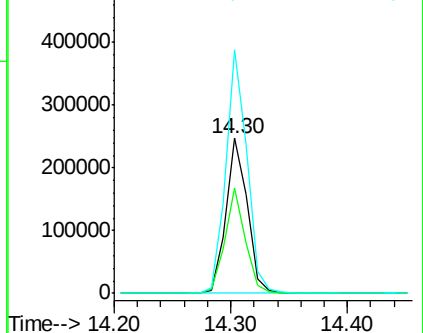
150 157.2 0.0 317.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 144.149 ug/l

RT: 13.34 min Scan# 1251

Delta R.T. 0.07 min

Lab File: VD060813.D

Acq: 1 Feb 2019 12:07

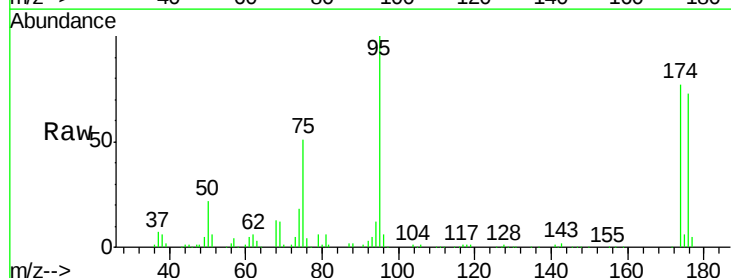
Tgt Ion: 75 Resp: 215388

Ion Ratio Lower Upper

75 100

53 0.0 111.6 167.4#

89 0.0 35.9 53.9#



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

