

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060823.D
 Acq On : 1 Feb 2019 17:04
 Operator : VA/AP
 Sample : K1297-04RE
 Misc : 4.34g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-01-30-19RE

Quant Time: Feb 02 00:25:37 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	6.77	168	438136	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.95	114	559233	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	398583	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	136481	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	283164	42.16	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	84.32%	
35) Dibromofluoromethane	6.65	113	222506	41.49	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.98%	
50) Toluene-d8	10.16	98	421851	33.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	67.36%	
62) 4-Bromofluorobenzene	13.33	95	166626	26.47	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	52.94%	

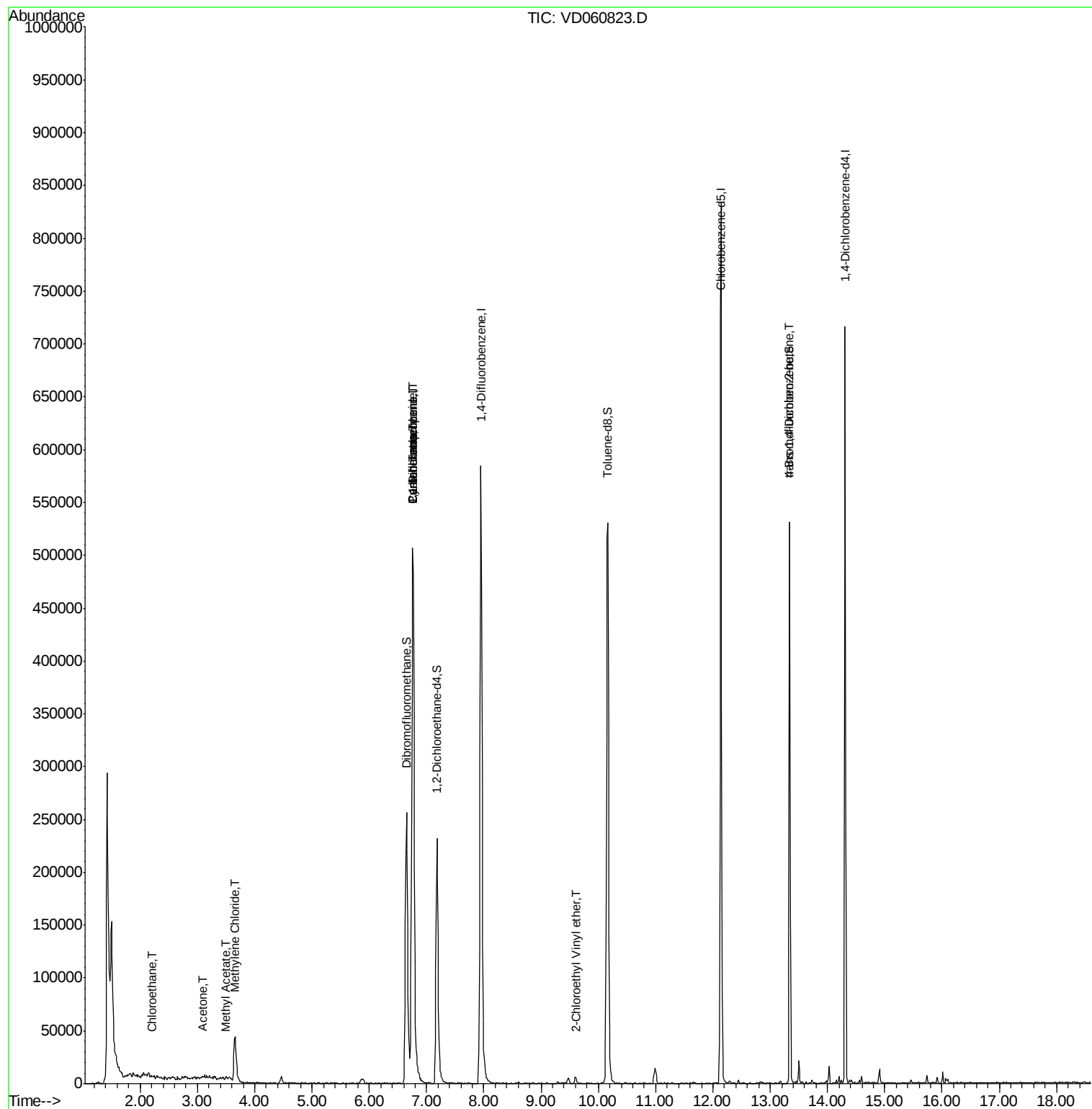
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.21	64	182	2.772	ug/l #	37
13) Acrolein	2.93	56	250	Below Cal	#	9
16) Acetone	3.10	43	5561	5.732	ug/l	99
18) Methyl Acetate	3.50	43	3814	1.983	ug/l #	63
20) Methylene Chloride	3.65	84	27362	1.927	ug/l #	83
31) Cyclohexane	6.76	56	13744	2.230	ug/l #	1
36) 1,1-Dichloropropene	6.77	75	43794	6.559	ug/l #	53
38) Carbon Tetrachloride	6.76	117	51426	6.142	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.59	63	3185	1.758	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.33	75	87467	134.052	ug/l #	1

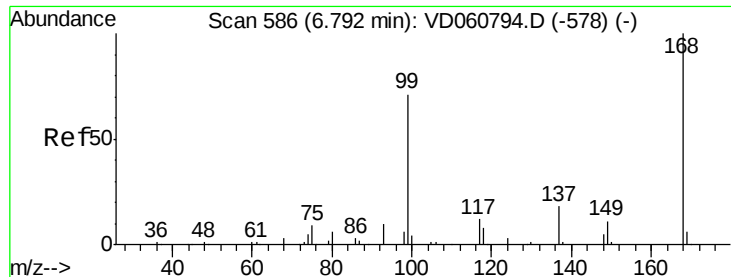
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060823.D
Acq On : 1 Feb 2019 17:04
Operator : VA/AP
Sample : K1297-04RE
Misc : 4.34g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01-30-19RE

Quant Time: Feb 02 00:25:37 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: 6.77 min Scan# 583

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

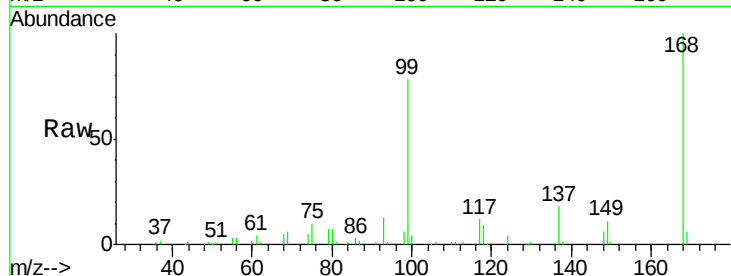
DUP-01-30-19RE

Tot Ion:168 Resp: 438136

Ion Ratio Lower Upper

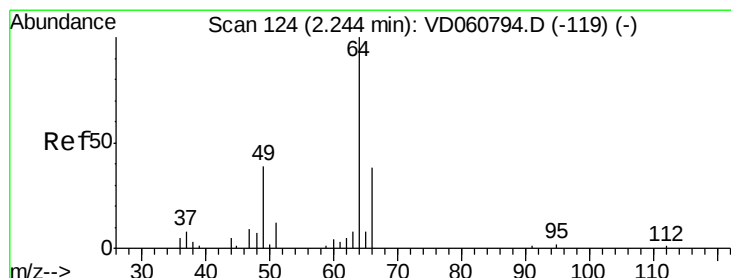
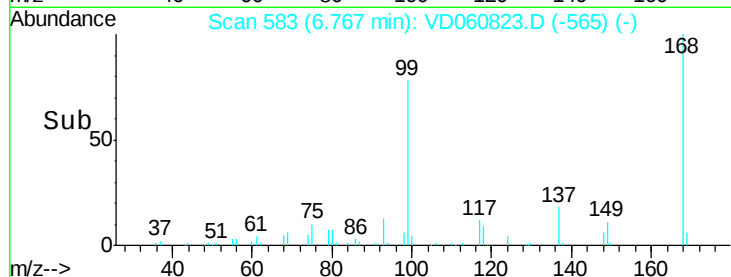
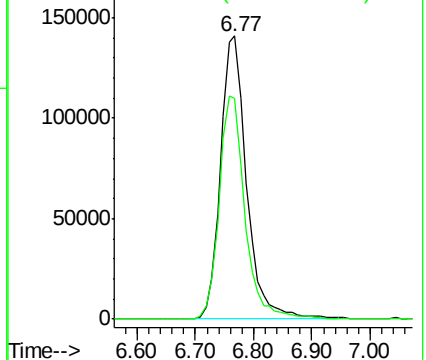
168 100

99 77.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#6

Chloroethane

Concen: 2.772 ug/l

RT: 2.21 min Scan# 120

Delta R.T. -0.03 min

Lab File: VD060823.D

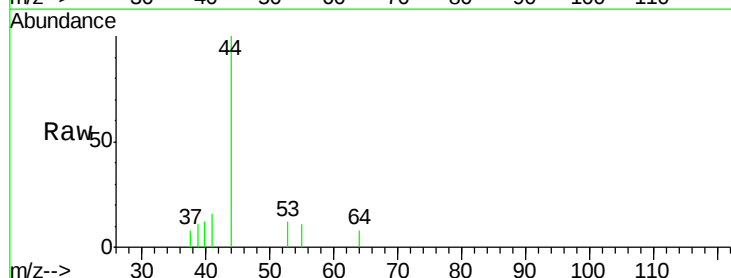
Acq: 1 Feb 2019 17:04

Tgt Ion: 64 Resp: 182

Ion Ratio Lower Upper

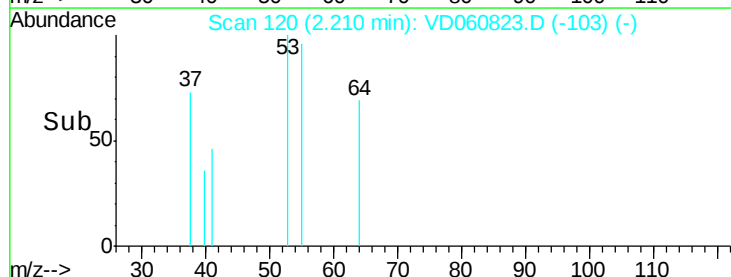
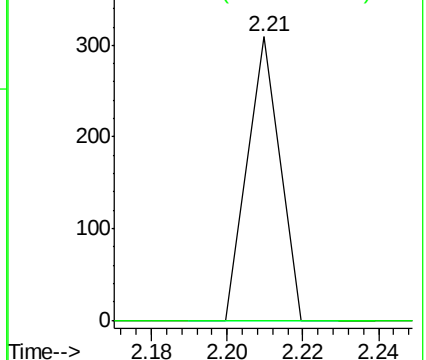
64 100

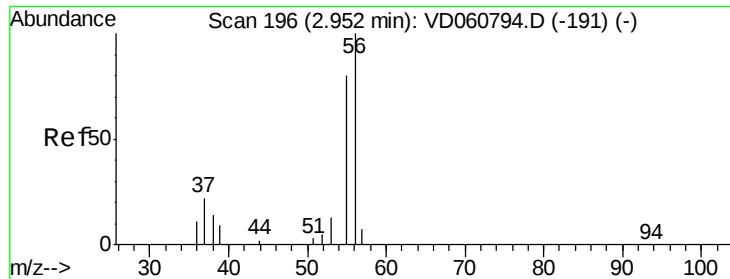
66 0.0 30.2 45.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#13

Acrolein

Concen: Below Cal

RT: 2.93 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

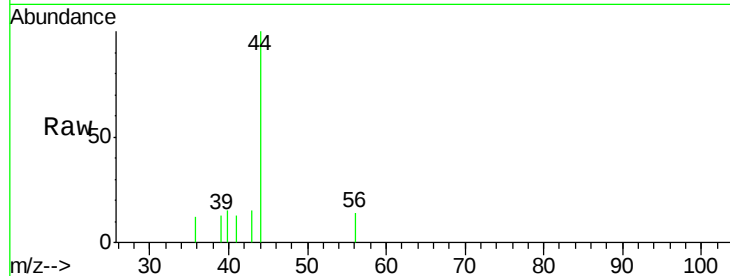
DUP-01-30-19RE

Tot Ion: 56 Resp: 250

Ion Ratio Lower Upper

56 100

55 0.0 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.93

400

300

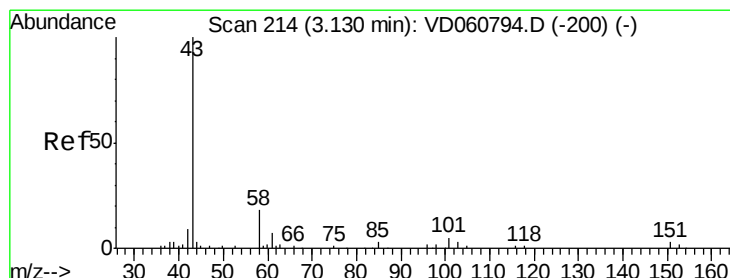
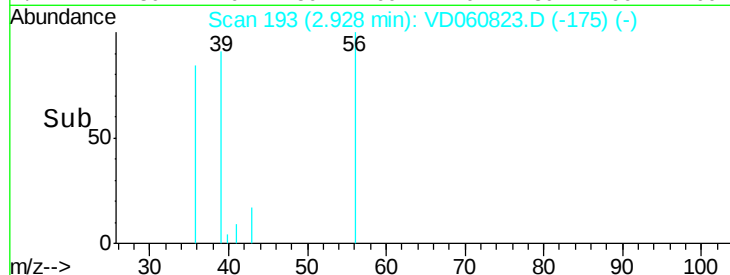
200

100

0

2.90 2.92 2.94 2.96

Time-->



#16

Acetone

Concen: 5.732 ug/l

RT: 3.10 min Scan# 210

Delta R.T. -0.03 min

Lab File: VD060823.D

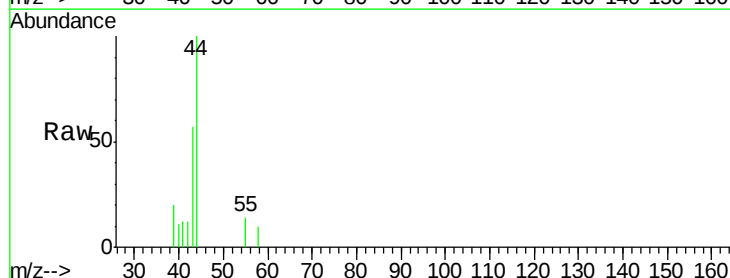
Acq: 1 Feb 2019 17:04

Tgt Ion: 43 Resp: 5561

Ion Ratio Lower Upper

43 100

58 17.8 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.10

2000

1500

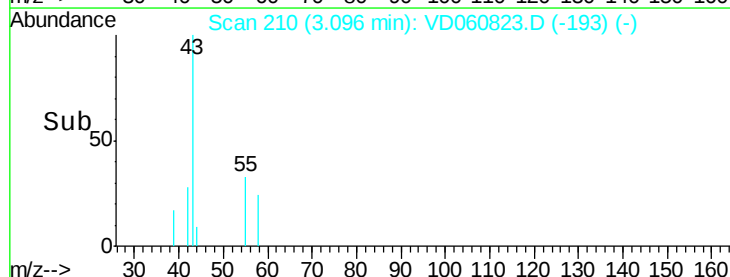
1000

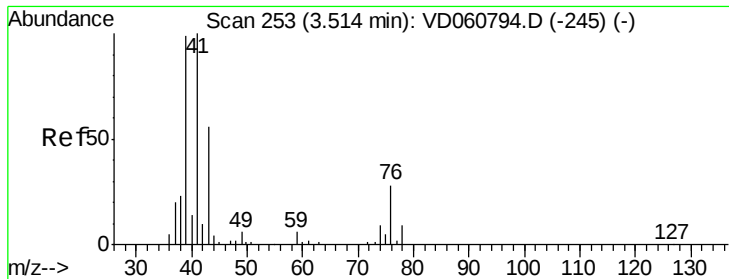
500

0

3.05 3.10 3.15

Time-->

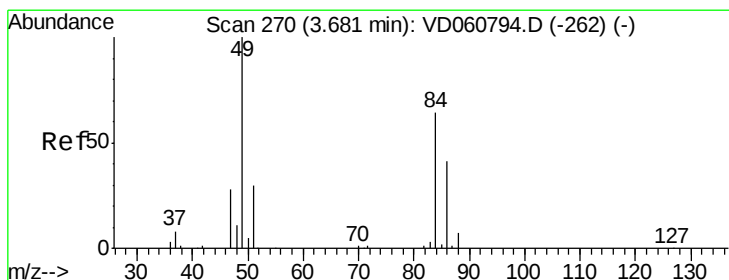
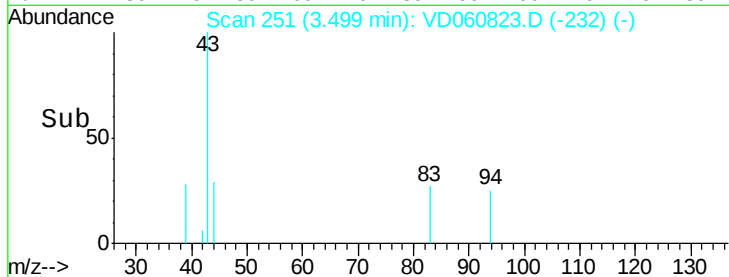
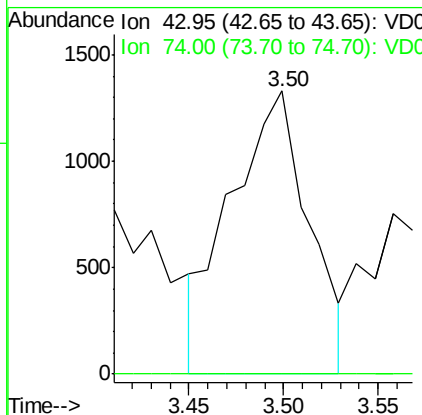
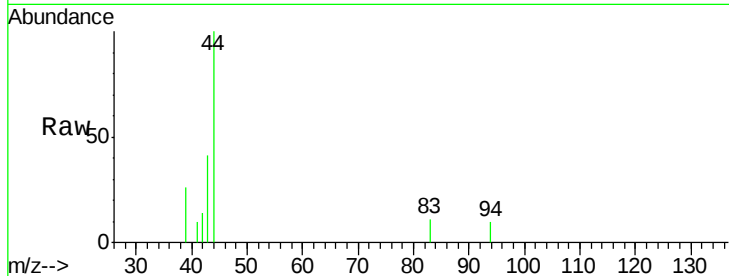




#18
Methyl Acetate
Concen: 1.983 ug/l
RT: 3.50 min Scan# 251
Delta R.T. -0.01 min
Lab File: VD060823.D
Acq: 1 Feb 2019 17:04

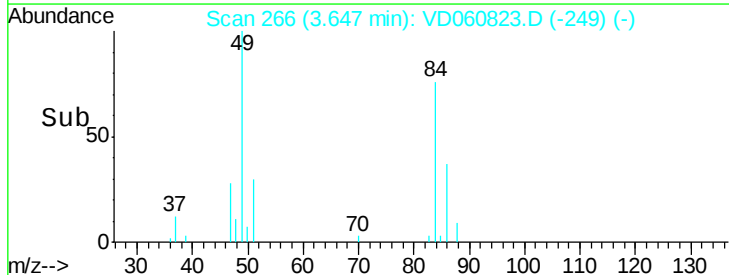
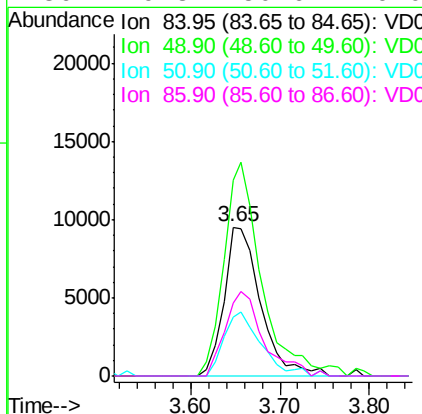
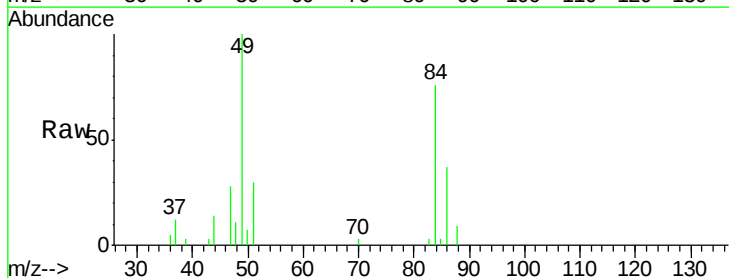
Instrument :
MSVOA_D
ClientSampleId :
DUP-01-30-19RE

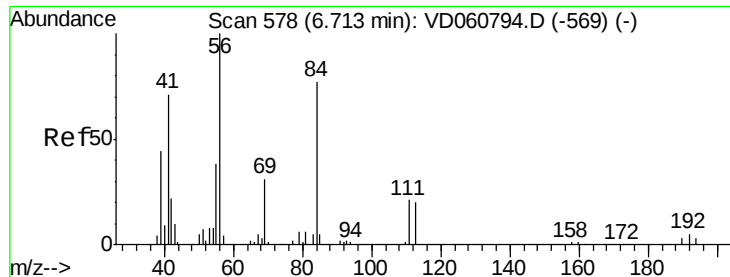
Tot Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
74 0.0 12.5 18.7#



#20
Methylene Chloride
Concen: 1.927 ug/l
RT: 3.65 min Scan# 266
Delta R.T. -0.03 min
Lab File: VD060823.D
Acq: 1 Feb 2019 17:04

Tgt Ion: 84 Resp: 27362
Ion Ratio Lower Upper
84 100
49 131.8 124.2 186.2
51 39.5 38.1 57.1
86 49.3 50.6 76.0#

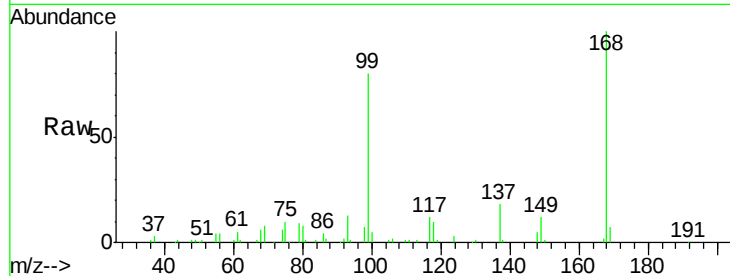




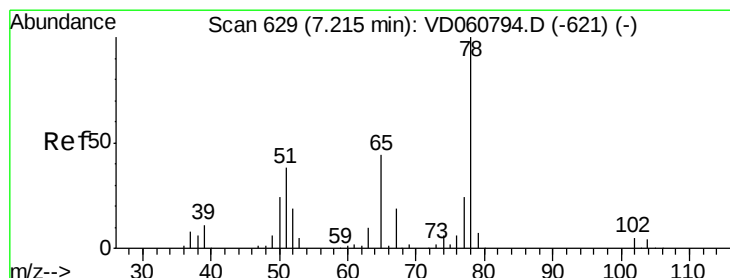
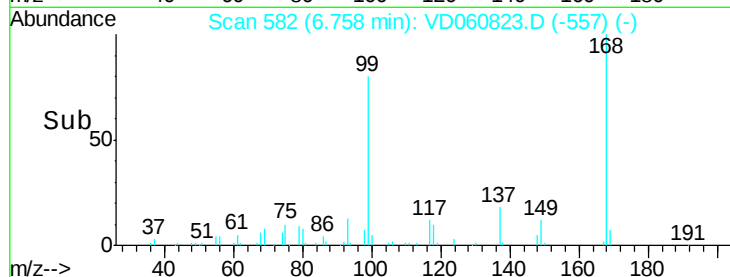
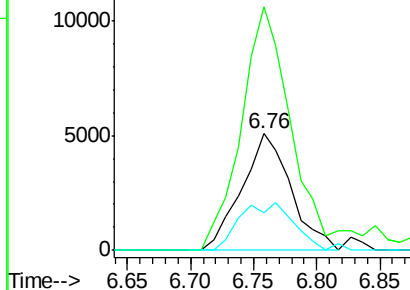
#31
Cyclohexane
Concen: 2.230 ug/l
RT: 6.76 min Scan# 582
Delta R.T. 0.04 min
Lab File: VD060823.D
Acq: 1 Feb 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
DUP-01-30-19RE

Tot Ion: 56 Resp: 13744
Ion Ratio Lower Upper
56 100
69 209.2 25.1 37.7#
84 32.5 63.9 95.9#

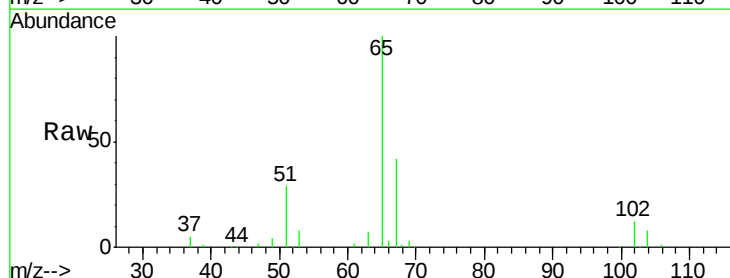


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

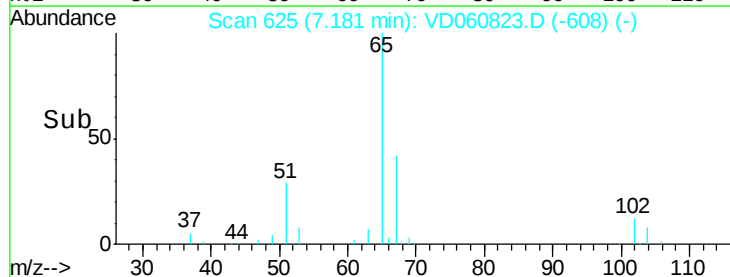
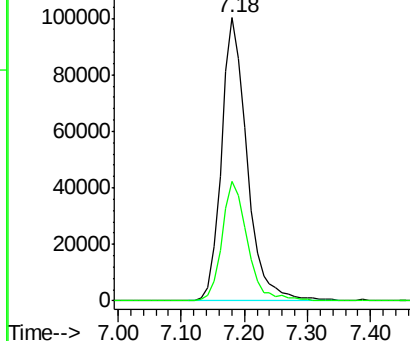


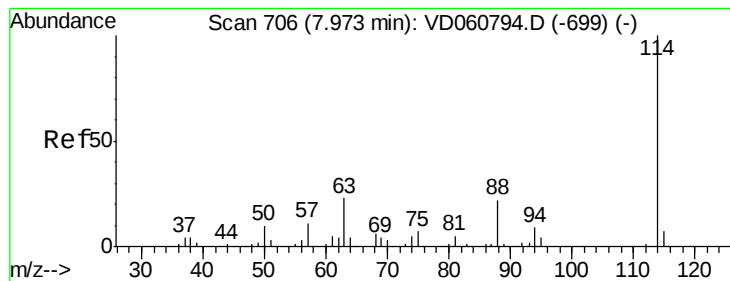
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.18 min Scan# 625
Delta R.T. -0.03 min
Lab File: VD060823.D
Acq: 1 Feb 2019 17:04

Tgt Ion: 65 Resp: 283164
Ion Ratio Lower Upper
65 100
67 42.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 703

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

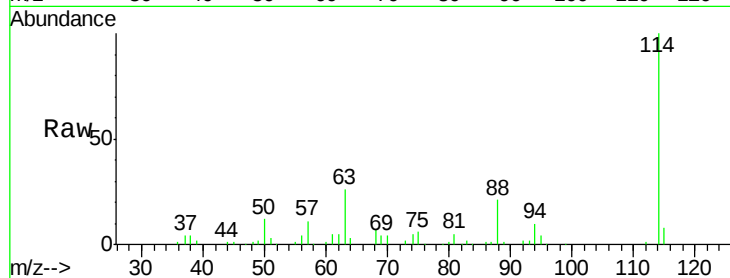
Tot Ion:114 Resp: 559233

Ion Ratio Lower Upper

114 100

63 25.8 0.0 46.6

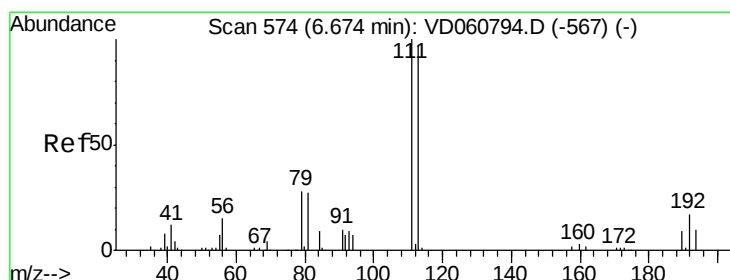
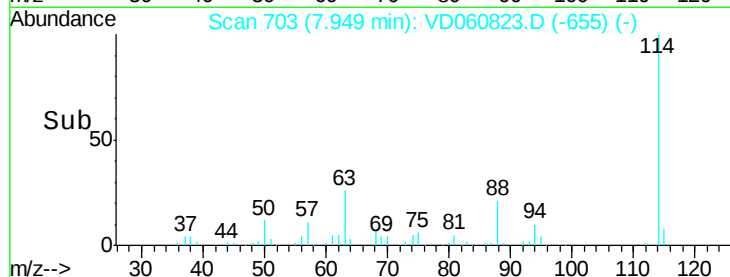
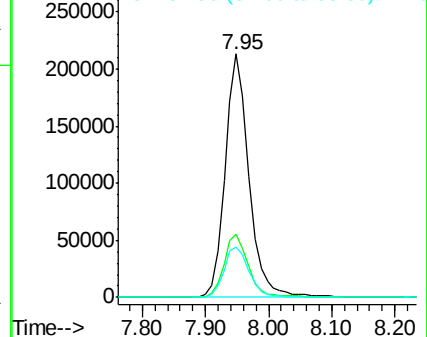
88 20.8 0.0 44.0



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: 6.65 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

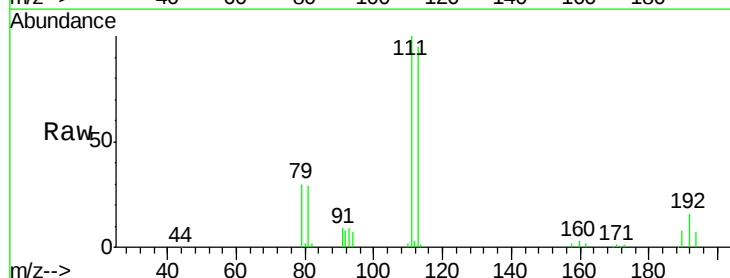
Tgt Ion:113 Resp: 222506

Ion Ratio Lower Upper

113 100

111 105.2 82.3 123.5

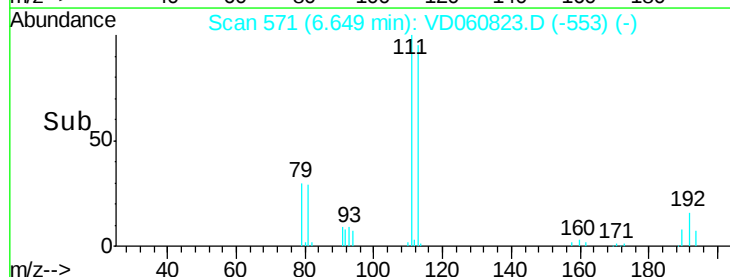
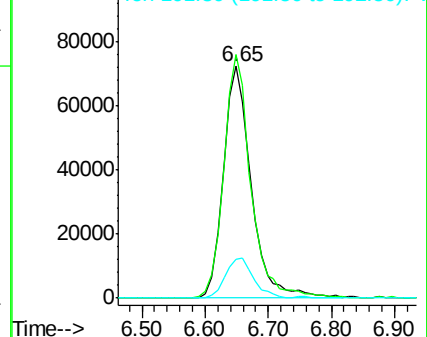
192 16.6 14.4 21.6

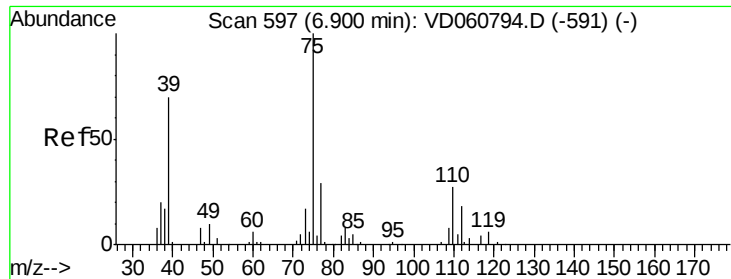


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

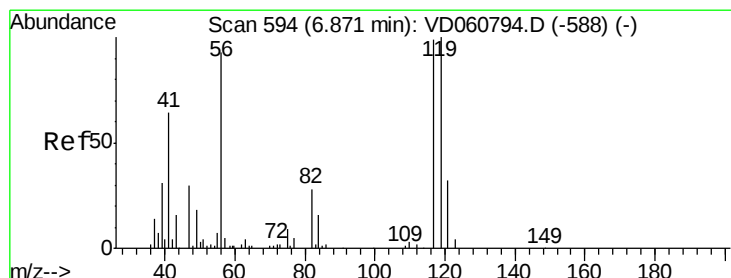
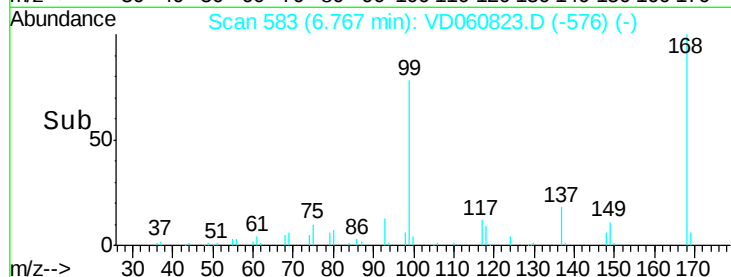
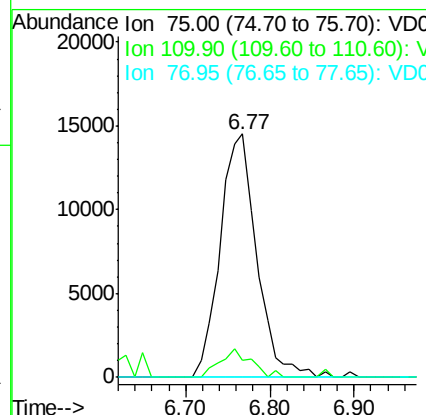
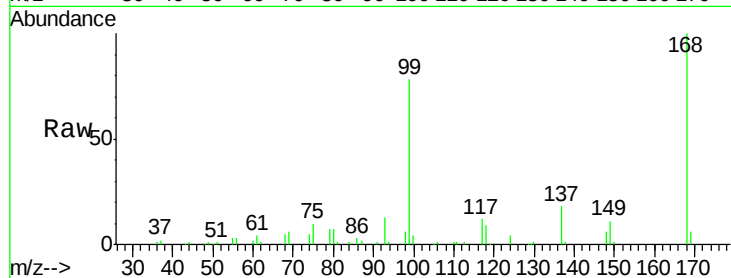




#36
 1,1-Dichloropropene
 Concen: 6.559 ug/l
 RT: 6.77 min Scan# 583
 Delta R.T. -0.13 min
 Lab File: VD060823.D
 Acq: 1 Feb 2019 17:04

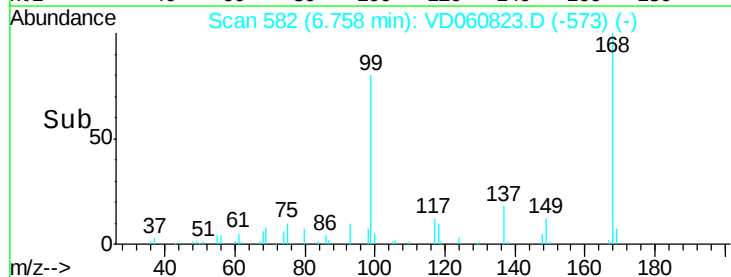
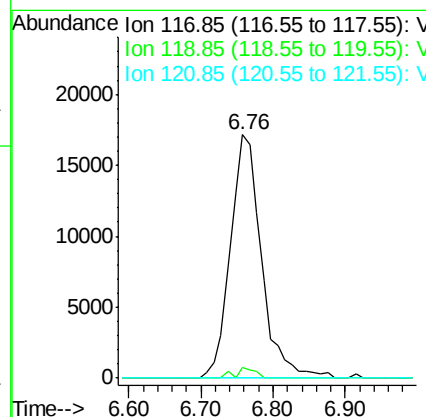
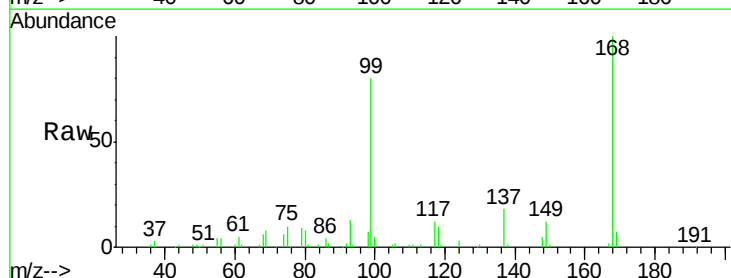
Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-01-30-19RE

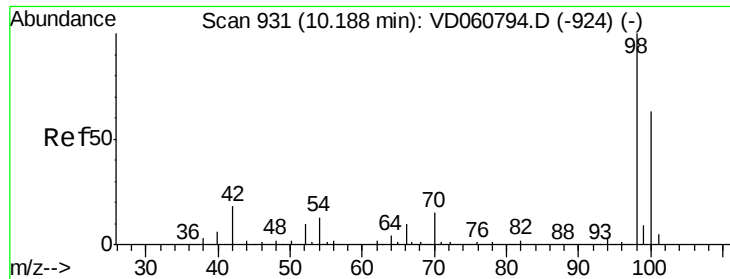
Tot Ion: 75 Resp: 43794
 Ion Ratio Lower Upper
 75 100
 110 7.1 13.5 40.4#
 77 0.0 23.4 35.2#



#38
 Carbon Tetrachloride
 Concen: 6.142 ug/l
 RT: 6.76 min Scan# 582
 Delta R.T. -0.11 min
 Lab File: VD060823.D
 Acq: 1 Feb 2019 17:04

Tgt Ion: 117 Resp: 51426
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.6 113.4#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.16 min Scan# 928

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

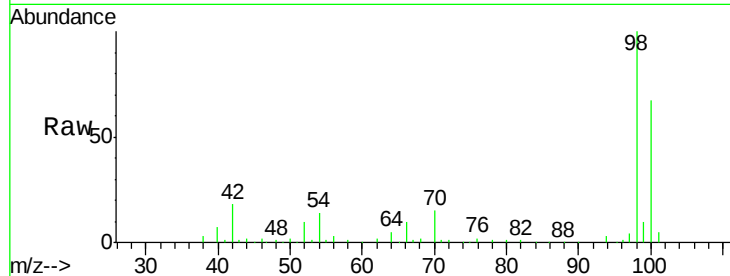
DUP-01-30-19RE

Tot Ion: 98 Resp: 421851

Ion Ratio Lower Upper

98 100

100 67.2 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VD060794.D (-924) (-)

Ion 100.05 (99.75 to 100.75): VD060794.D (-924) (-)

10.16

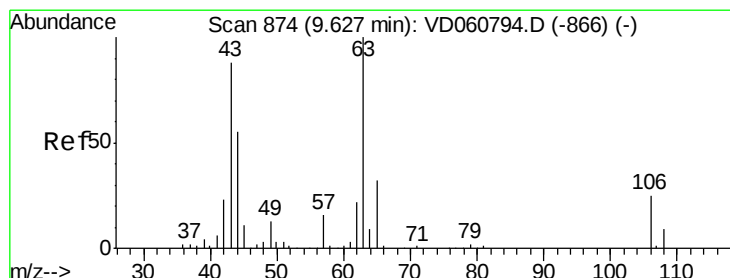
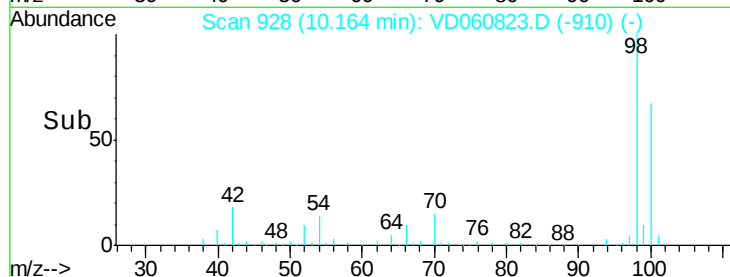
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.758 ug/l

RT: 9.59 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD060823.D

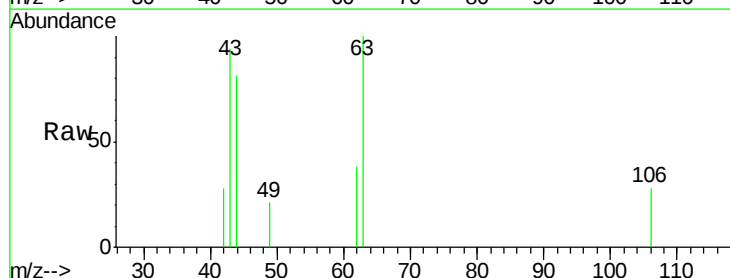
Acq: 1 Feb 2019 17:04

Tgt Ion: 63 Resp: 3185

Ion Ratio Lower Upper

63 100

106 27.9 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VD060794.D (-866) (-)

Ion 105.95 (105.65 to 106.65): VD060794.D (-866) (-)

9.59

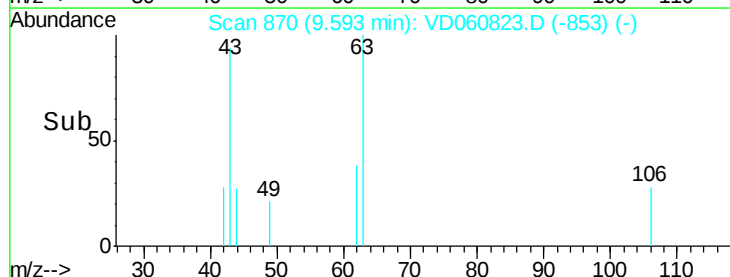
1500

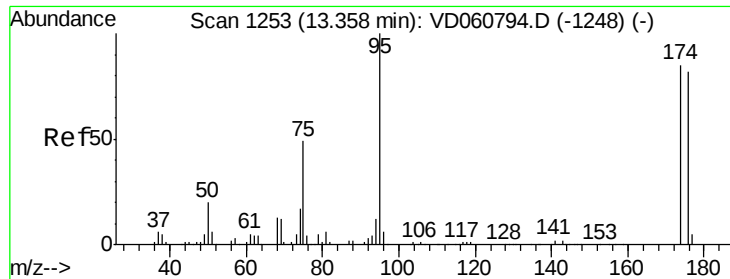
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.33 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

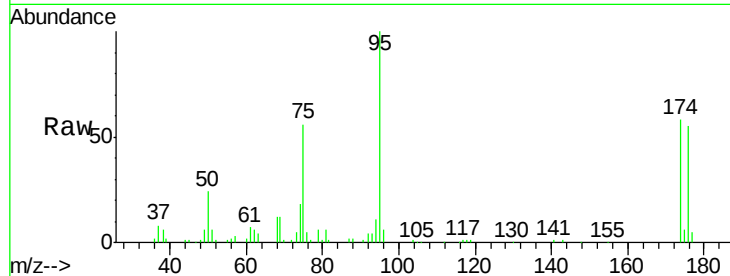
Tot Ion: 95 Resp: 166626

Ion Ratio Lower Upper

95 100

174 58.0 0.0 169.6

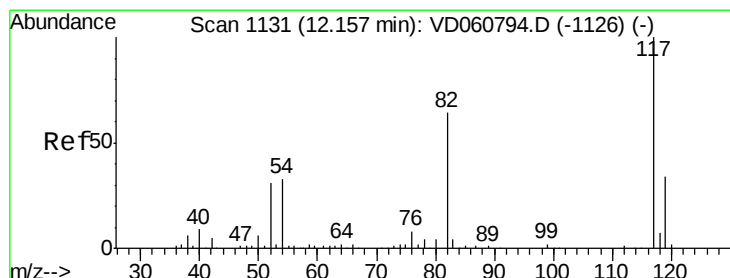
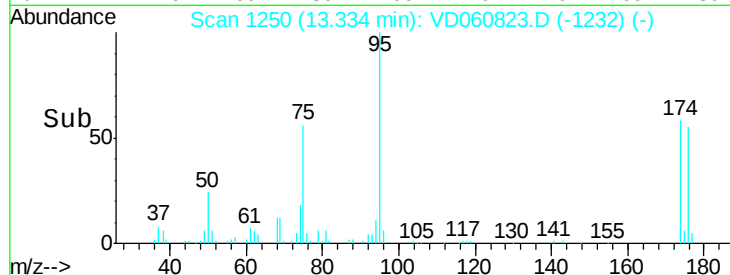
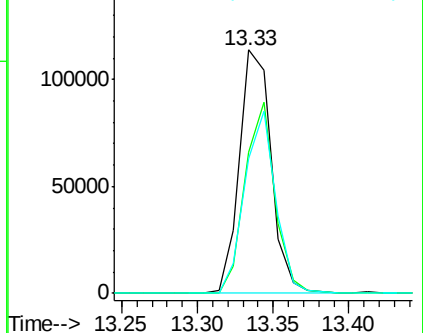
176 55.4 0.0 163.8



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. -0.01 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

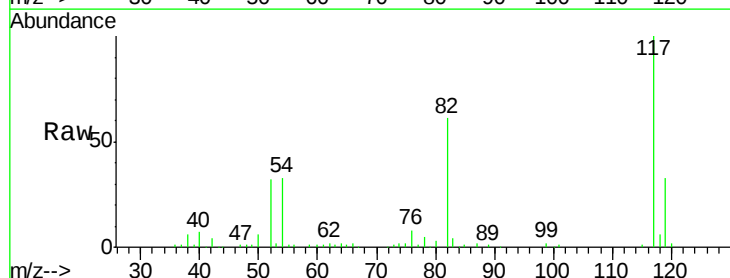
Tgt Ion: 117 Resp: 398583

Ion Ratio Lower Upper

117 100

82 61.3 51.5 77.3

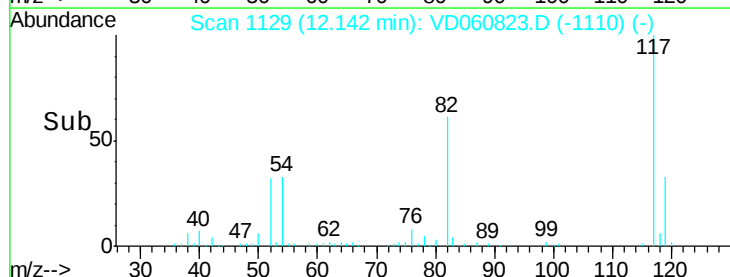
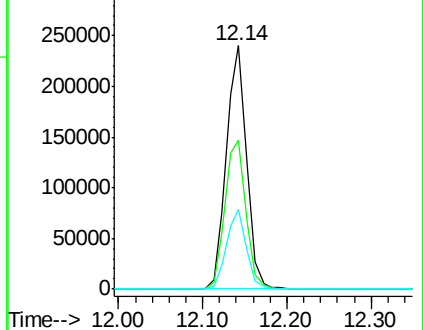
119 32.9 27.1 40.7

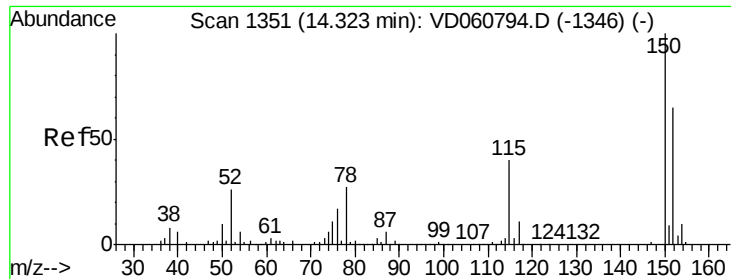


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

DUP-01-30-19RE

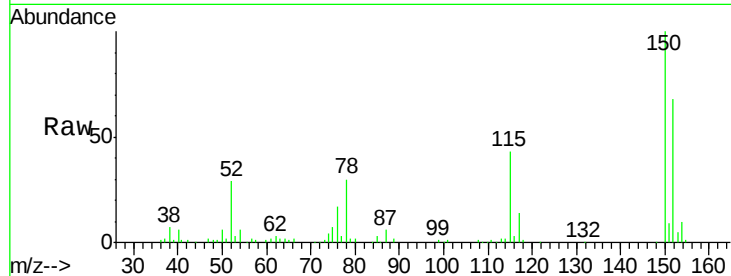
Tot Ion:152 Resp: 136481

Ion Ratio Lower Upper

152 100

115 63.4 31.6 95.0

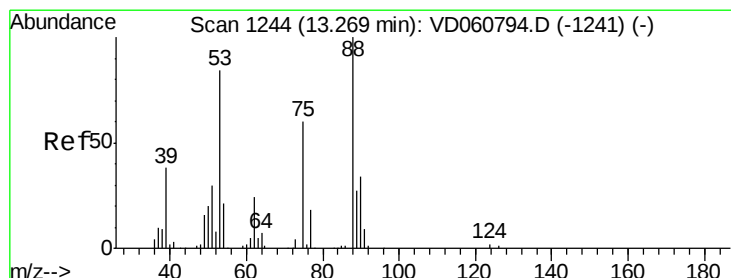
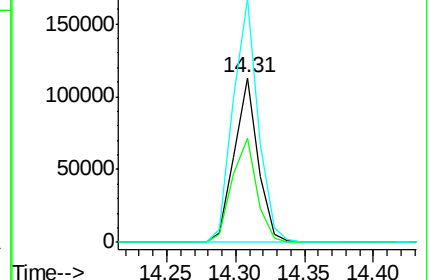
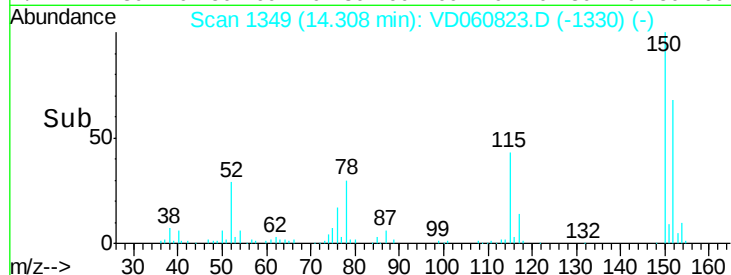
150 147.9 0.0 317.6



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: 134.052 ug/l

RT: 13.33 min Scan# 1250

Delta R.T. 0.06 min

Lab File: VD060823.D

Acq: 1 Feb 2019 17:04

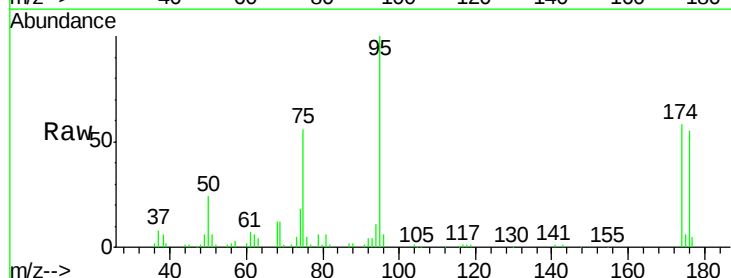
Tgt Ion: 75 Resp: 87467

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

