

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060254.D
 Acq On : 31 Oct 2018 21:06
 Operator : VA/AP
 Sample : J5737-01
 Misc : 5.62g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A

Quant Time: Oct 31 23:56:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

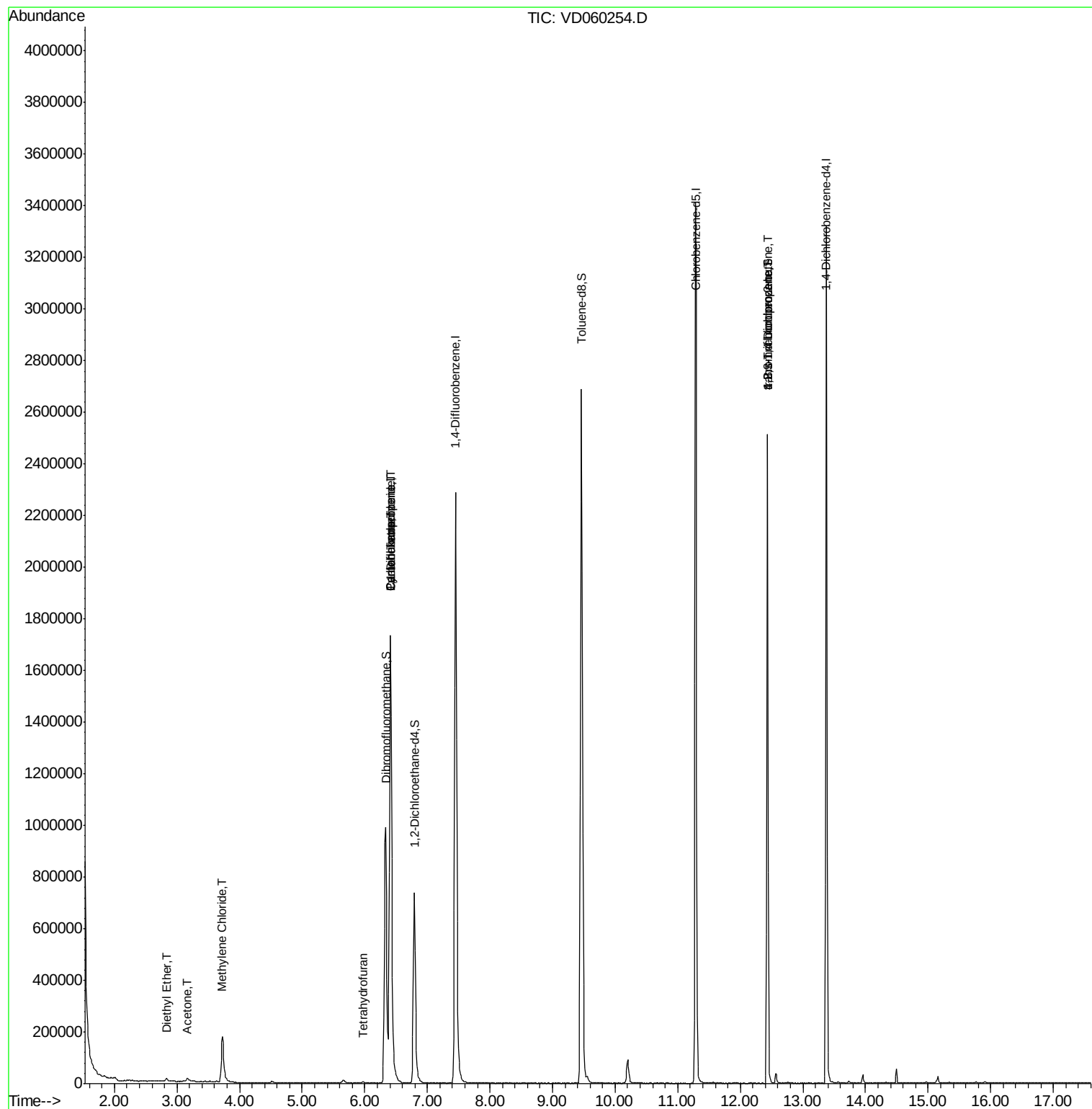
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1683473	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2469605	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1958138	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	872212	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	641348	50.26	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	6.33	113	793851	42.33	ug/l	0.04
Spiked Amount 50.000			Recovery	=	84.66%	
50) Toluene-d8	9.46	98	2181291	40.79	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.58%	
62) 4-Bromofluorobenzene	12.43	95	772735	38.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.18%	
Target Compounds						
8) Diethyl Ether	2.83	74	4554	1.583	ug/l	78
16) Acetone	3.17	43	27136	11.719	ug/l #	80
20) Methylene Chloride	3.73	84	114998	2.198	ug/l	97
29) Tetrahydrofuran	5.96	42	3727	1.109	ug/l #	70
31) Cyclohexane	6.41	56	31123	1.126	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	120284	5.097	ug/l #	47
38) Carbon Tetrachloride	6.41	117	130992	6.116	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	315340	25.105	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	316982	89.810	ug/l #	13

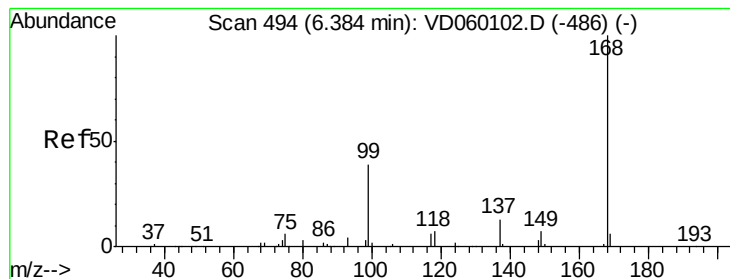
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\
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Quant Time: Oct 31 23:56:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

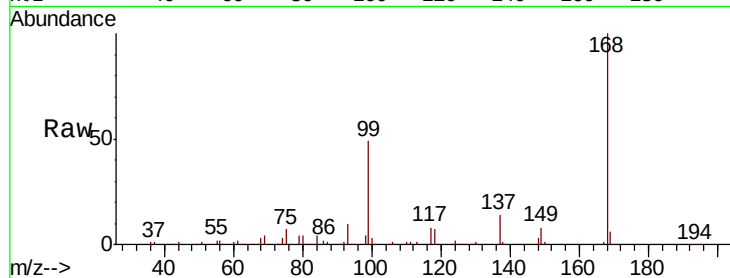
Instrument :
MSVOA_D
ClientSampleId :
TP-A

Tot Ion:168 Resp: 1683473

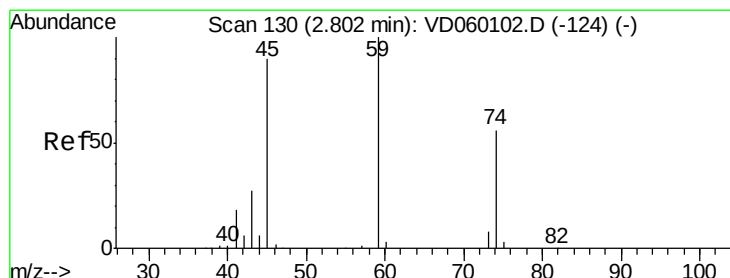
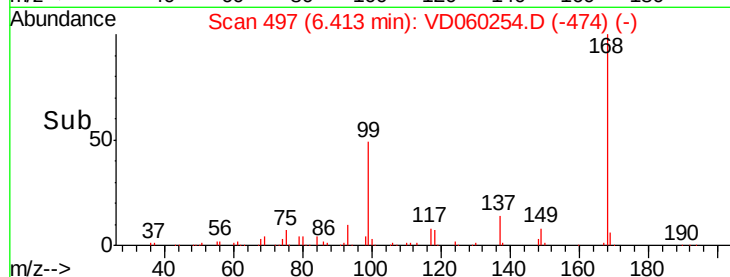
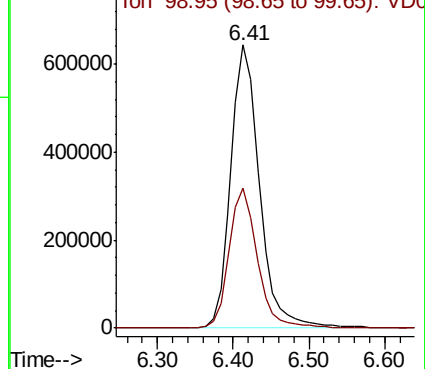
Ion Ratio Lower Upper

168 100

99 49.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V



#8

Diethyl Ether

Concen: 1.583 ug/l

RT: 2.83 min Scan# 133

Delta R.T. 0.03 min

Lab File: VD060254.D

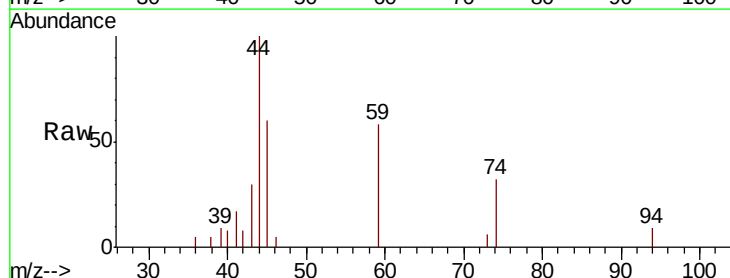
Acq: 31 Oct 2018 21:06

Tgt Ion: 74 Resp: 4554

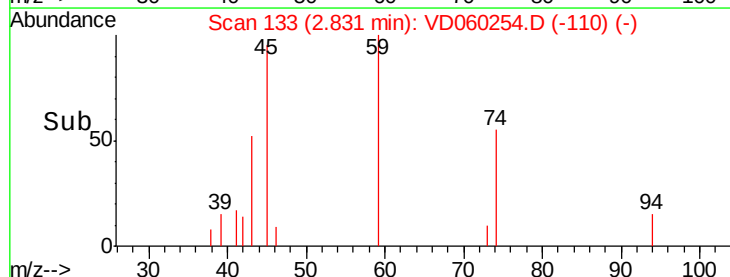
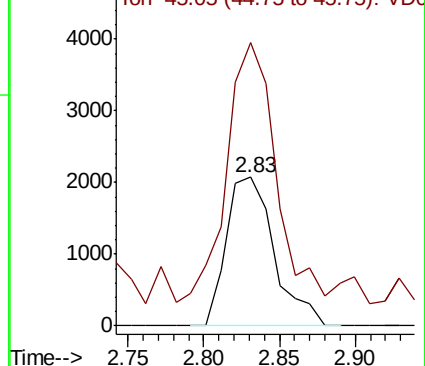
Ion Ratio Lower Upper

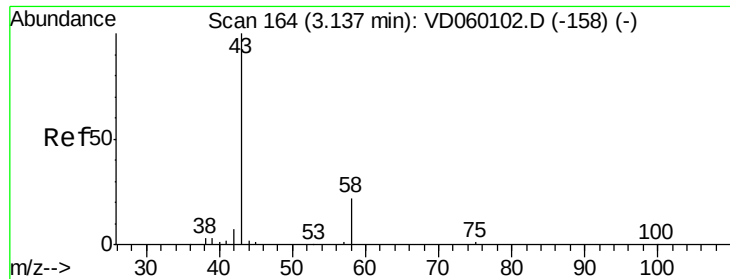
74 100

45 190.2 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC





#16

Acetone

Concen: 11.719 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

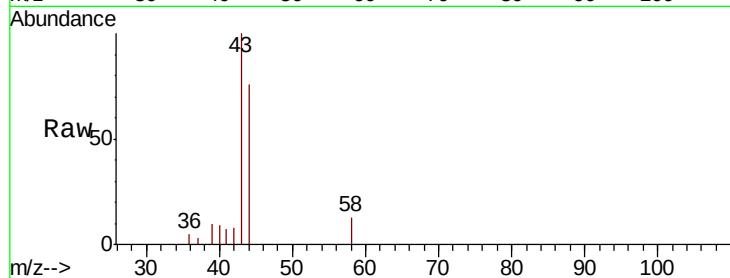
TP-A

Tot Ion: 43 Resp: 27136

Ion Ratio Lower Upper

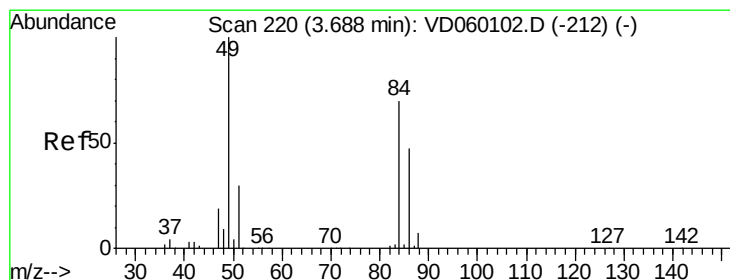
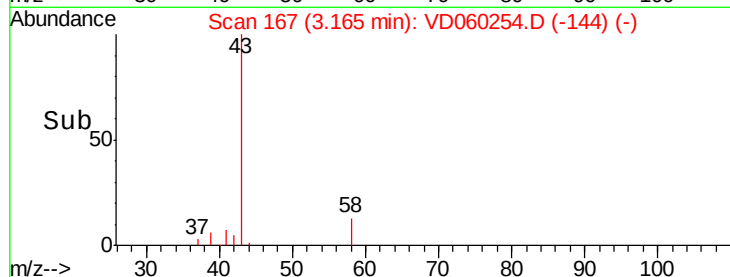
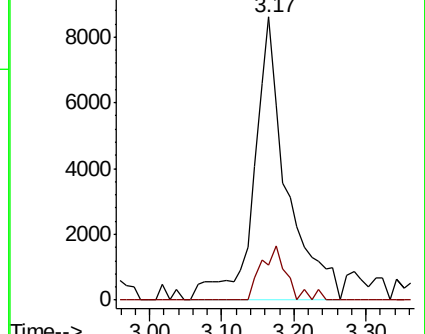
43 100

58 12.6 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.198 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Tgt Ion: 84 Resp: 114998

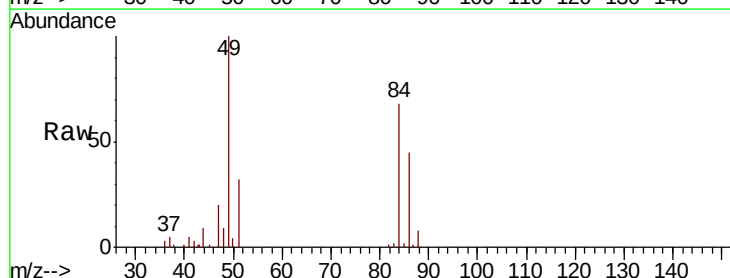
Ion Ratio Lower Upper

84 100

49 147.2 114.6 172.0

51 47.2 33.8 50.8

86 66.0 53.3 79.9

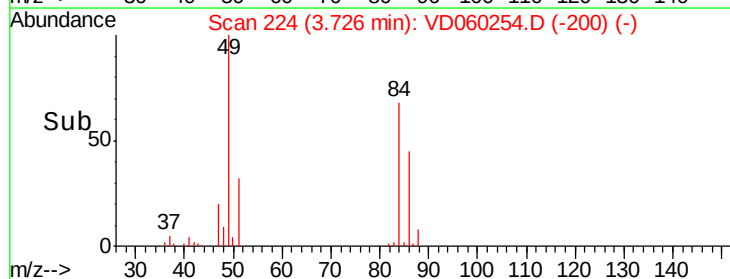
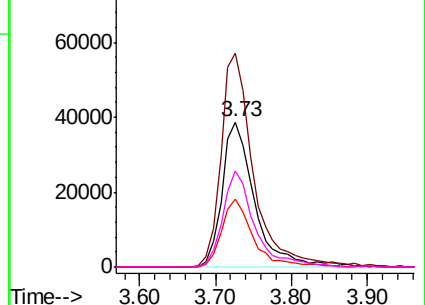


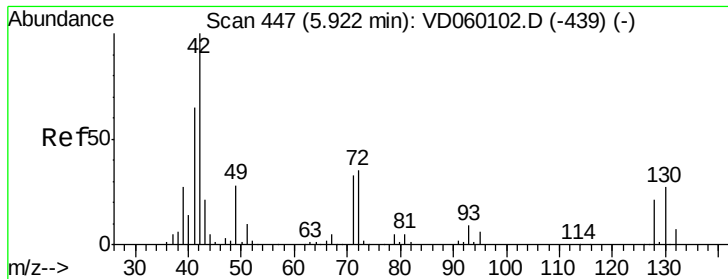
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

TP-A

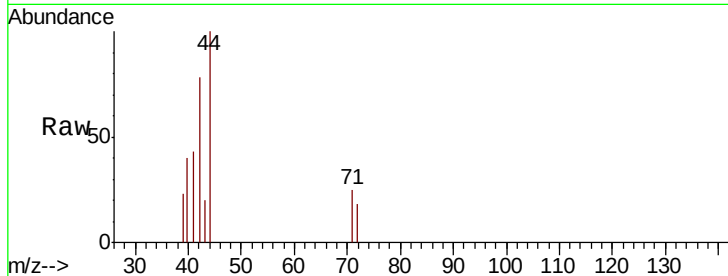
Tot Ion: 42 Resp: 3727

Ion Ratio Lower Upper

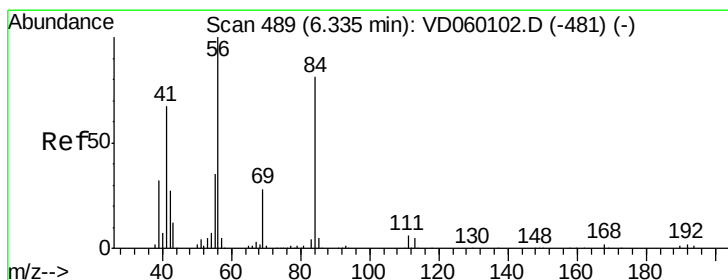
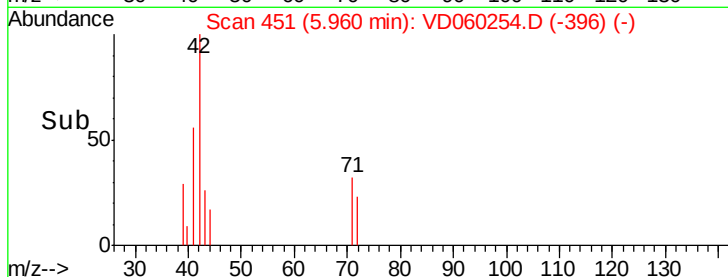
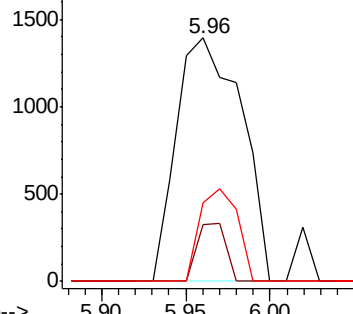
42 100

72 10.3 26.9 40.3#

71 22.0 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.08 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

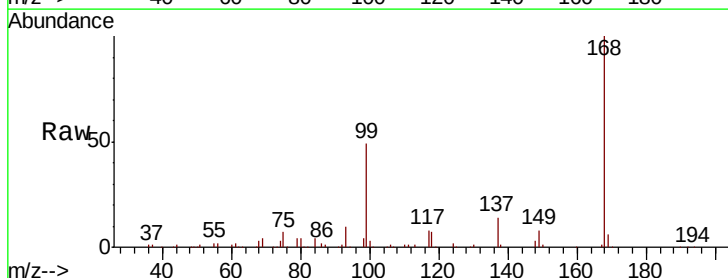
Tgt Ion: 56 Resp: 31123

Ion Ratio Lower Upper

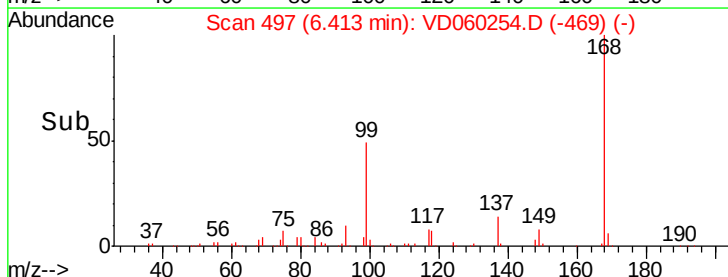
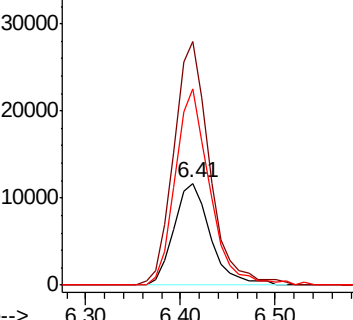
56 100

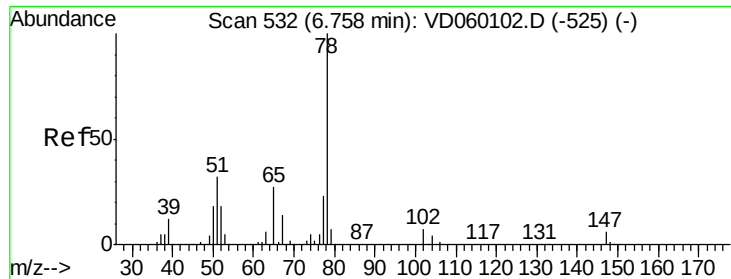
69 239.2 22.8 34.2#

84 193.0 64.9 97.3#



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

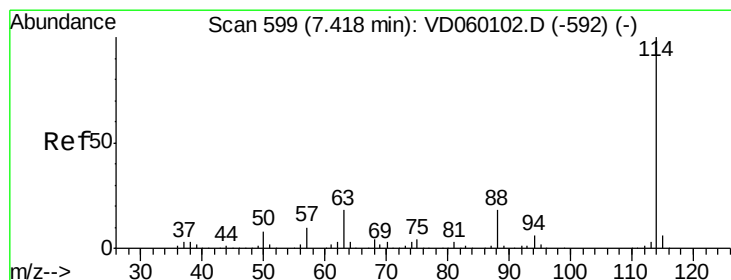
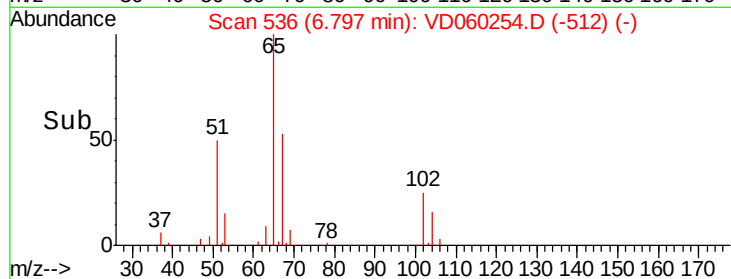
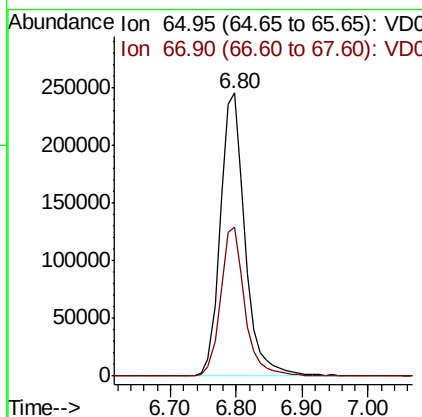
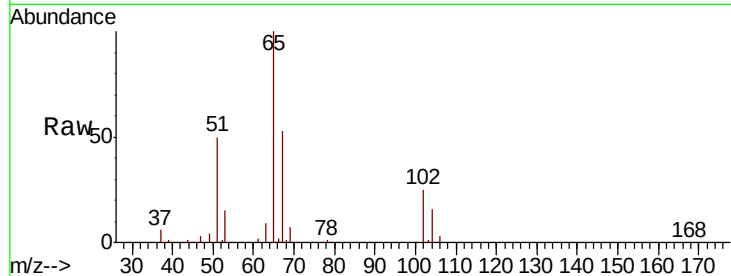




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.04 min
 Lab File: VD060254.D
 Acq: 31 Oct 2018 21:06

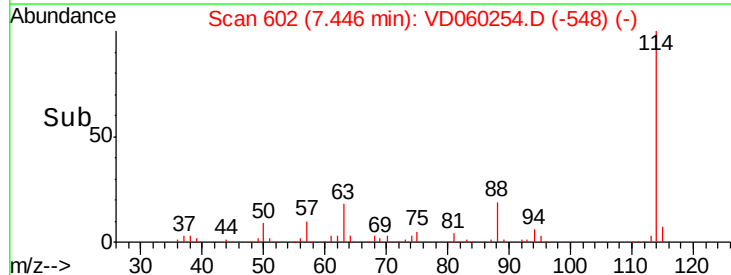
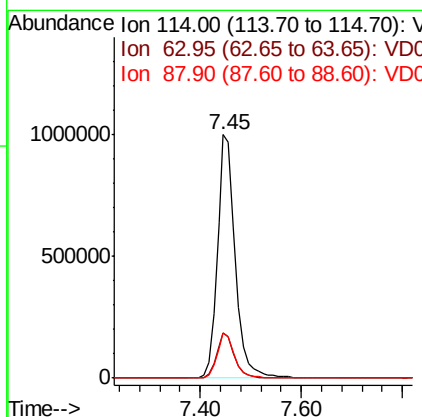
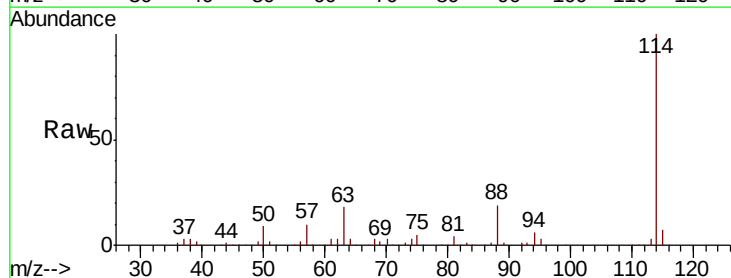
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A

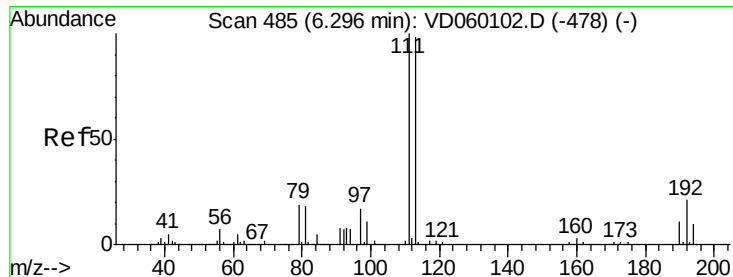
Tot Ion: 65 Resp: 641348
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060254.D
 Acq: 31 Oct 2018 21:06

Tgt Ion: 114 Resp: 2469605
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 18.6 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

TP-A

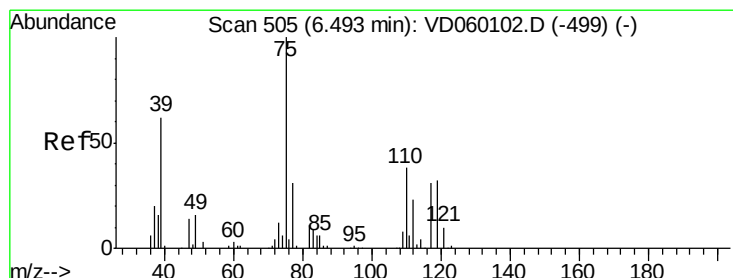
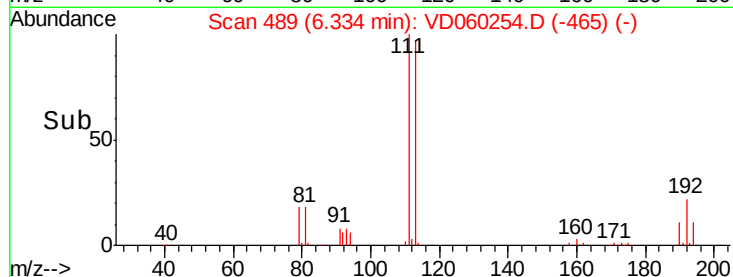
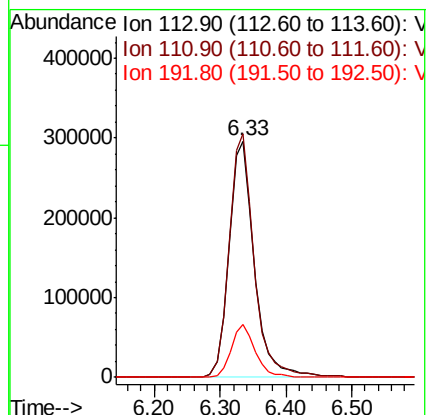
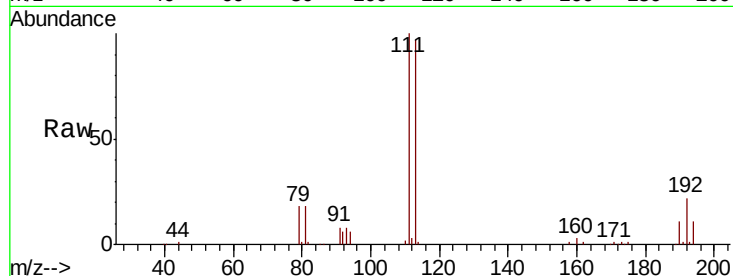
Tot Ion:113 Resp: 793851

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

192 22.3 17.4 26.0



#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.08 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

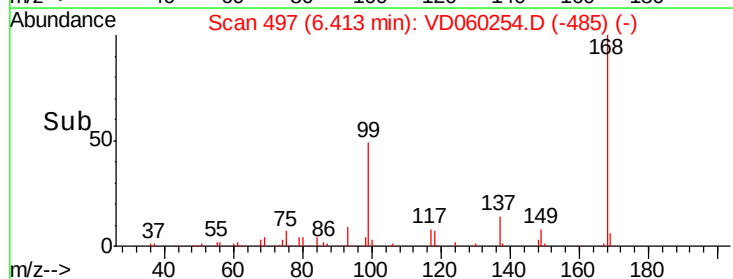
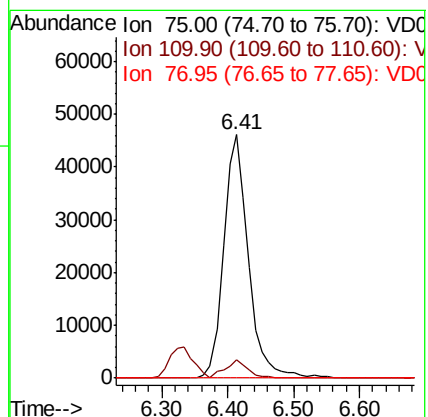
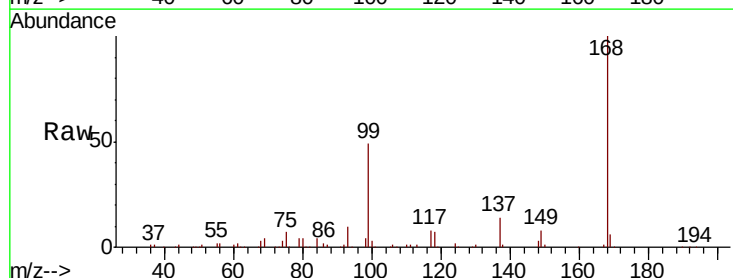
Tgt Ion: 75 Resp: 120284

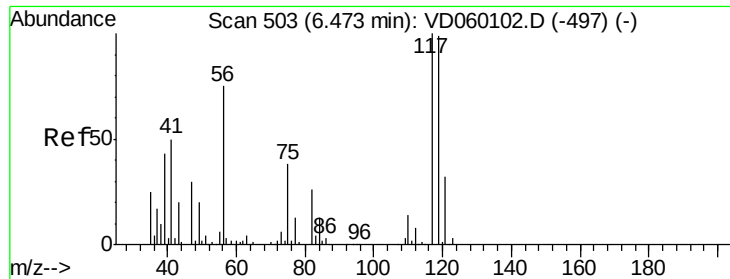
Ion Ratio Lower Upper

75 100

110 7.3 19.0 57.0#

77 0.0 24.9 37.3#

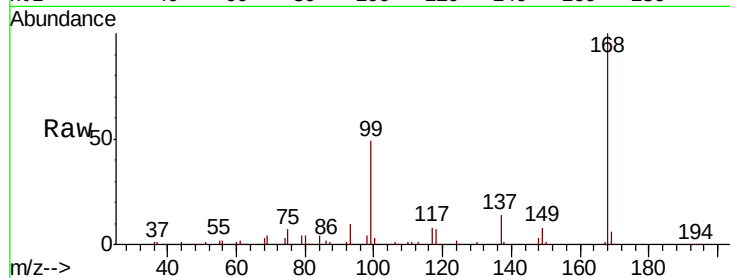




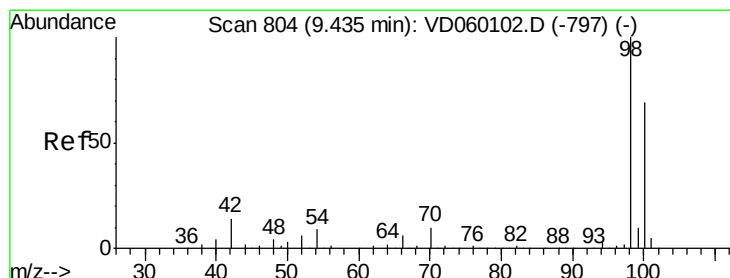
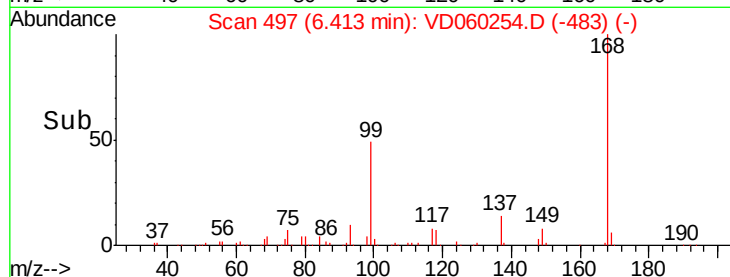
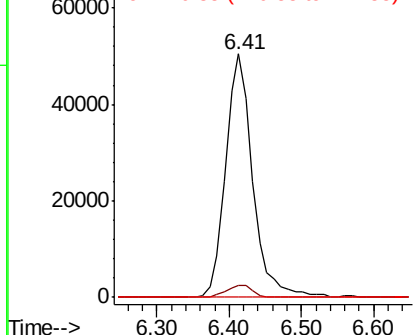
#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.06 min
Lab File: VD060254.D
Acq: 31 Oct 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :
TP-A

Tot Ion:117 Resp: 130992
Ion Ratio Lower Upper
117 100
119 4.7 77.8 116.6#
121 0.0 24.8 37.2#

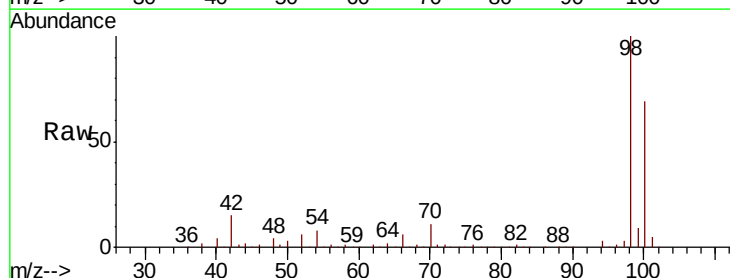


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

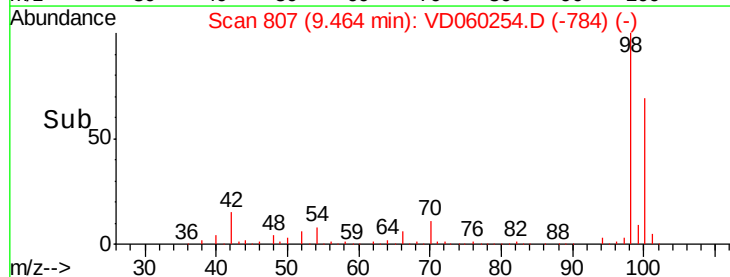
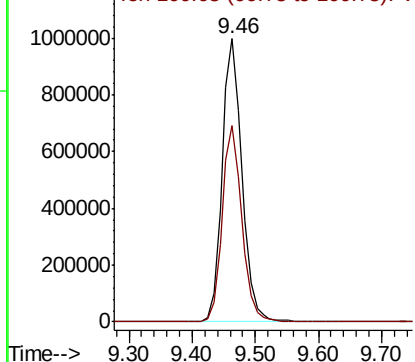


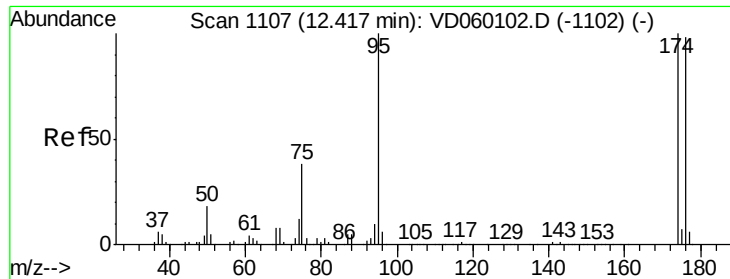
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060254.D
Acq: 31 Oct 2018 21:06

Tgt Ion: 98 Resp: 2181291
Ion Ratio Lower Upper
98 100
100 69.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

TP-A

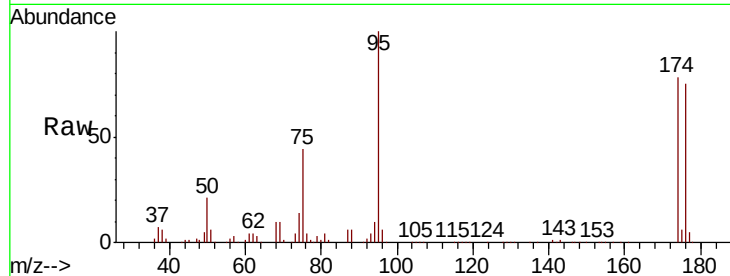
Tot Ion: 95 Resp: 772735

Ion Ratio Lower Upper

95 100

174 78.5 0.0 200.2

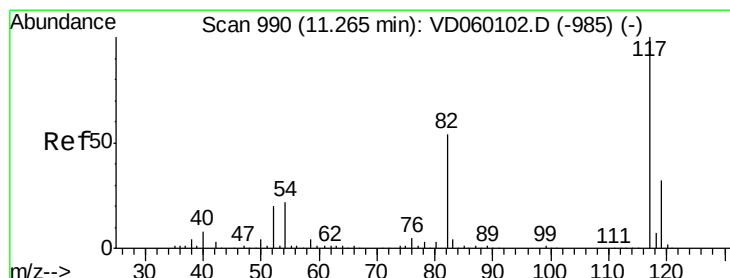
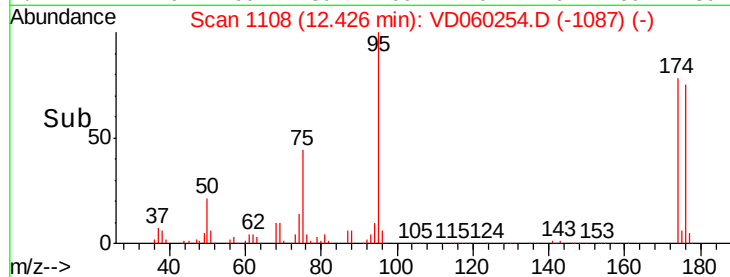
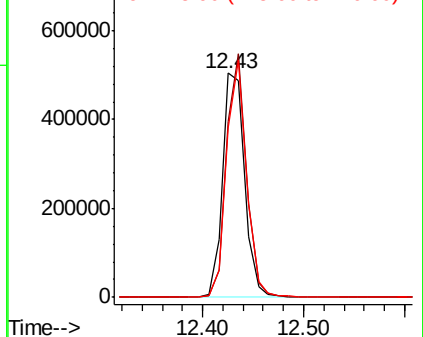
176 75.5 0.0 195.6



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: 11.28 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

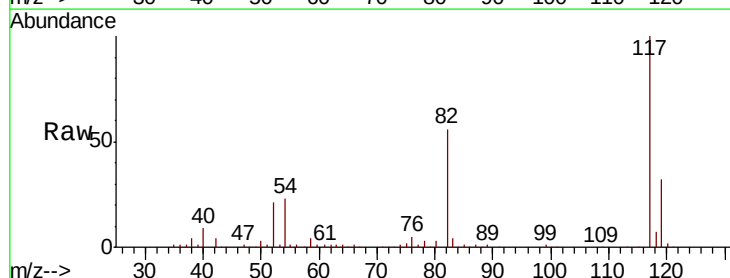
Tgt Ion: 117 Resp: 1958138

Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.2

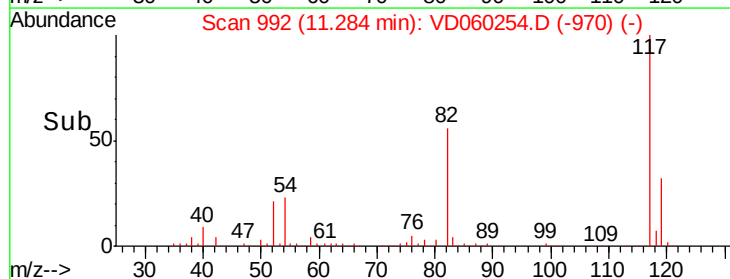
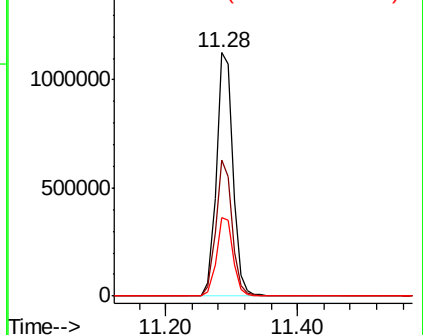
119 32.3 26.0 39.0

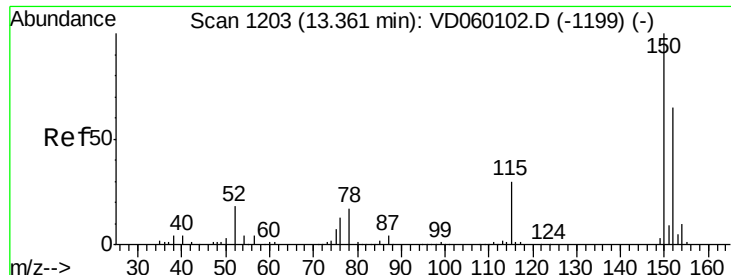


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



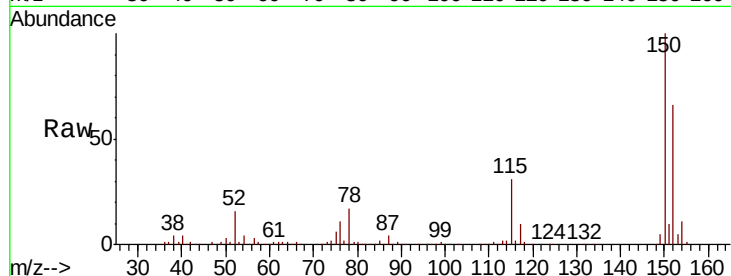


#72

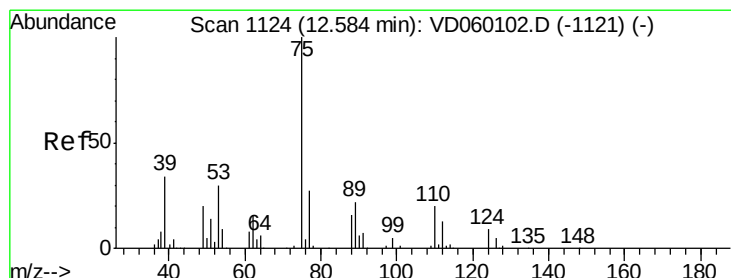
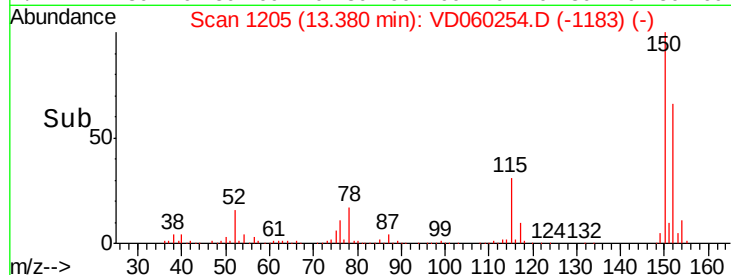
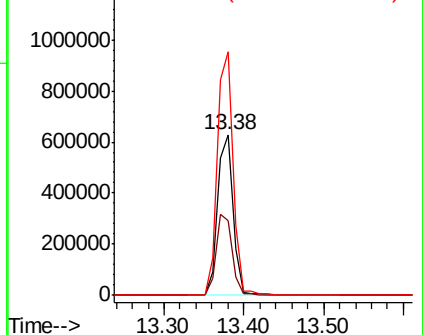
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060254.D
Acq: 31 Oct 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :
TP-A

Tot Ion:152 Resp: 872212
Ion Ratio Lower Upper
152 100
115 46.6 27.1 81.2
150 151.4 0.0 311.8



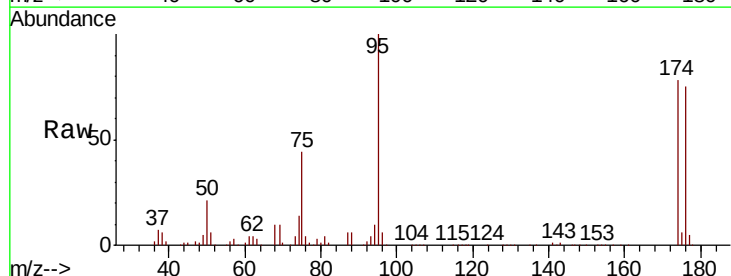
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



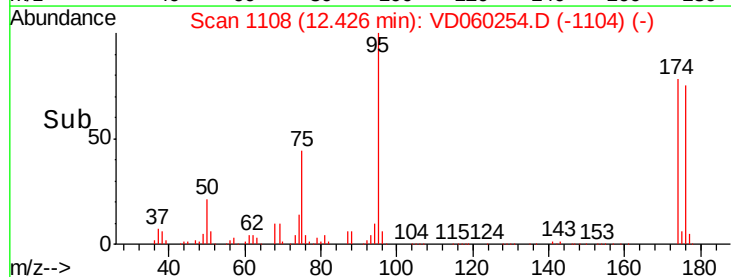
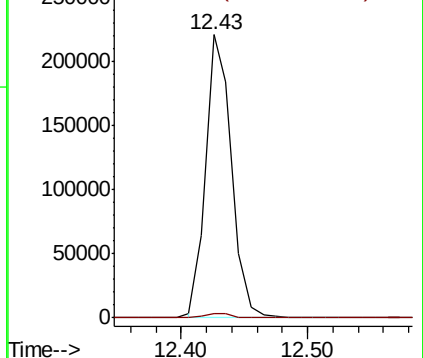
#76

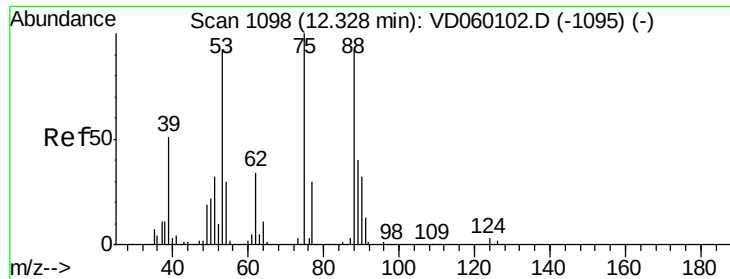
1,2,3-Trichloropropane
Concen: 25.105 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.16 min
Lab File: VD060254.D
Acq: 31 Oct 2018 21:06

Tgt Ion: 75 Resp: 315340
Ion Ratio Lower Upper
75 100
77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 89.810 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060254.D

Acq: 31 Oct 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

TP-A

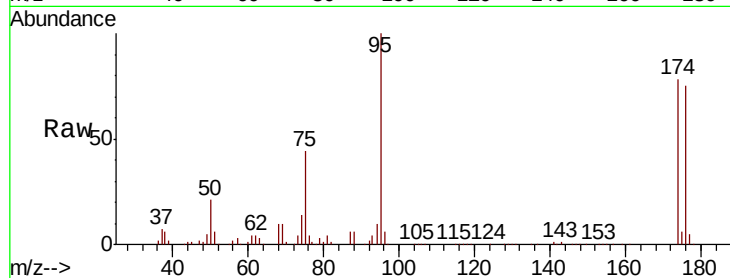
Tot Ion: 75 Resp: 316982

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

