

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060672.D
 Acq On : 20 Dec 2018 21:40
 Operator : VA/AP
 Sample : J6465-06
 Misc : 4.77g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 03:41:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

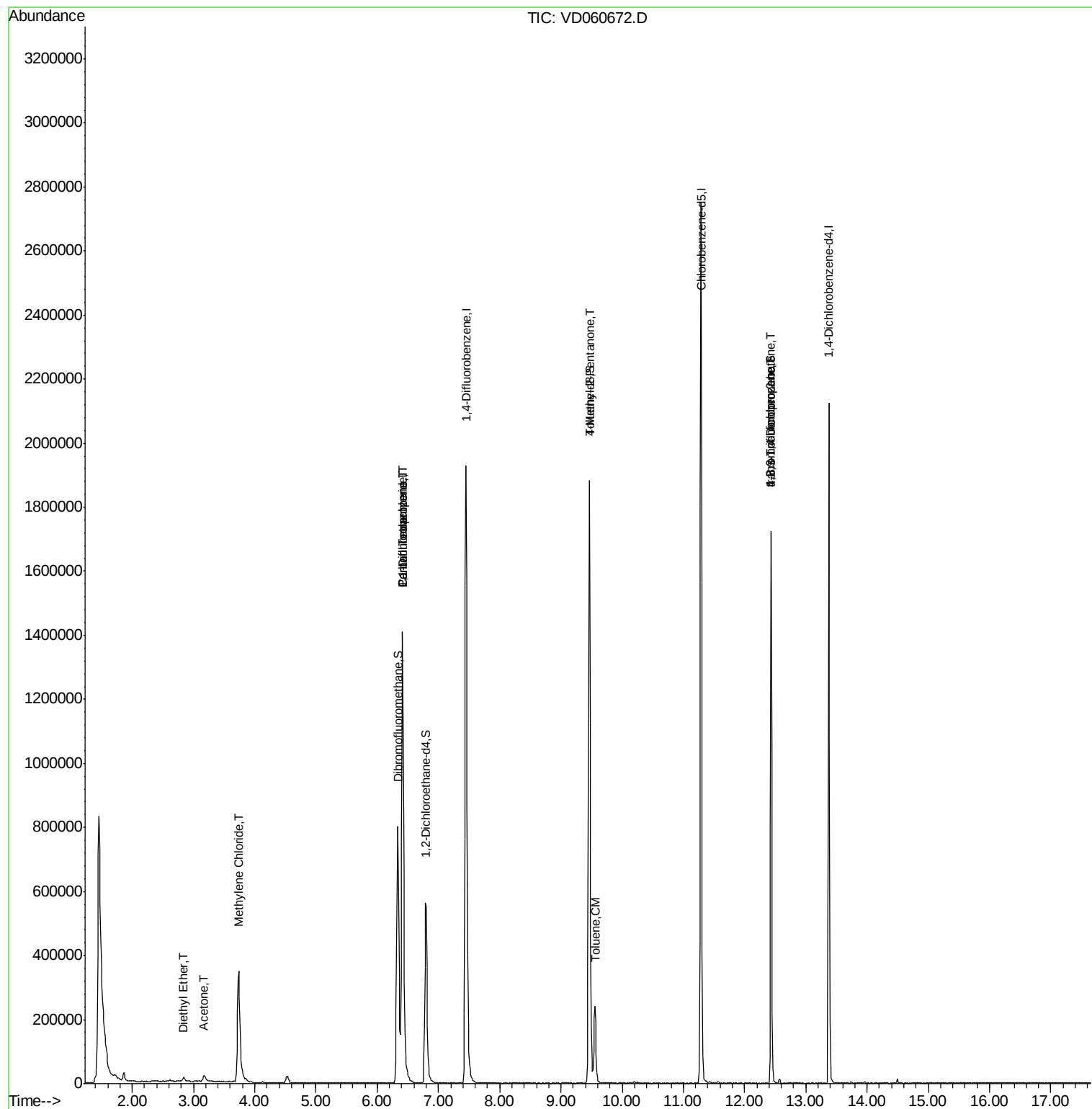
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1392682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2038637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1426086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	453676	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	477722	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
35) Dibromofluoromethane	6.34	113	654754	43.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.76%	
50) Toluene-d8	9.47	98	1583828	35.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.14%	
62) 4-Bromofluorobenzene	12.43	95	460625	29.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.84	74	4803	1.985	ug/l	93
16) Acetone	3.17	43	45128	26.850	ug/l	95
20) Methylene Chloride	3.74	84	244514	14.008	ug/l	97
36) 1,1-Dichloropropene	6.42	75	101647	4.842	ug/l #	45
38) Carbon Tetrachloride	6.42	117	106375	5.744	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	8440	1.223	ug/l #	1
52) Toluene	9.56	92	122221	3.595	ug/l	98
76) 1,2,3-Trichloropropane	12.43	75	136625	26.452	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	190260	133.308	ug/l #	13

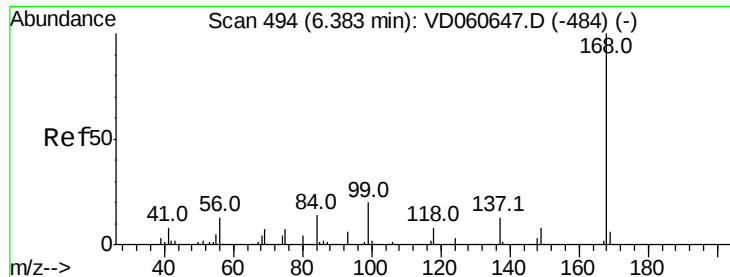
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :

MSVOA_D

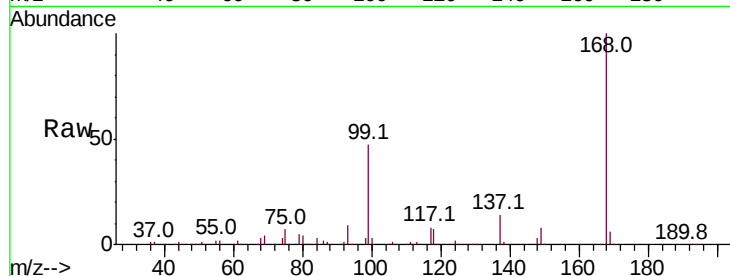
ClientSampled :

Tot Ion:168 Resp: 1392682

Ion Ratio Lower Upper

168 100

99 46.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

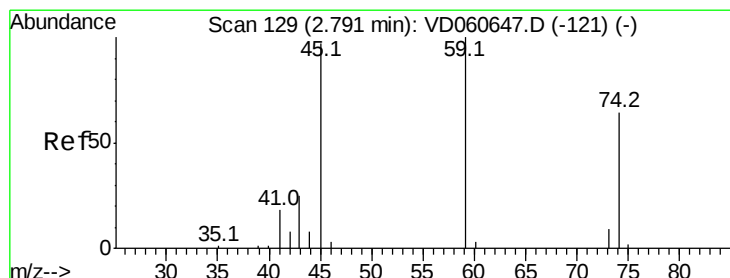
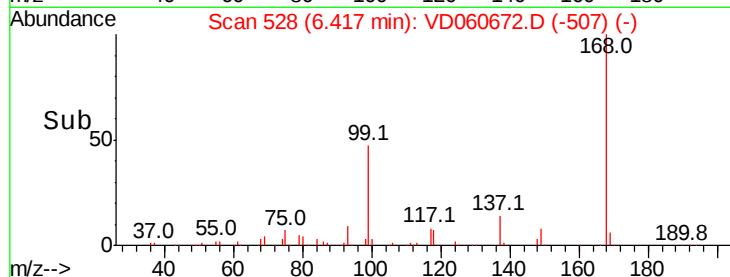
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.985 ug/l

RT: 2.84 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060672.D

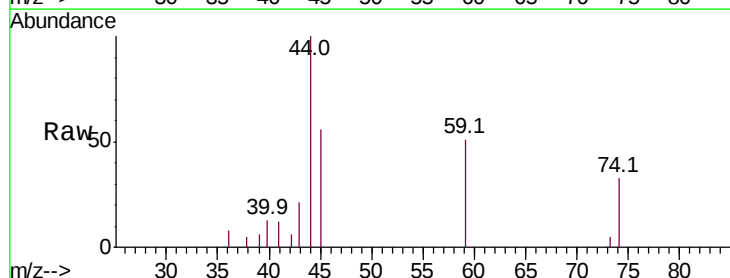
Acq: 20 Dec 2018 21:40

Tgt Ion: 74 Resp: 4803

Ion Ratio Lower Upper

74 100

45 167.3 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.84

4000

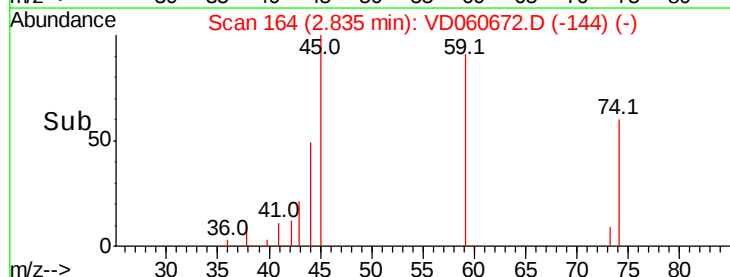
3000

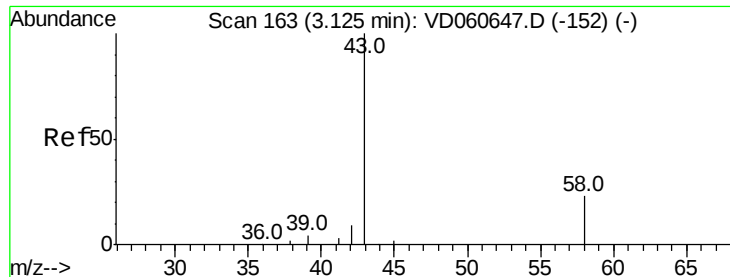
2000

1000

0

Time-->





#16

Acetone

Concen: 26.850 ug/l

RT: 3.17 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :

MSVOA_D

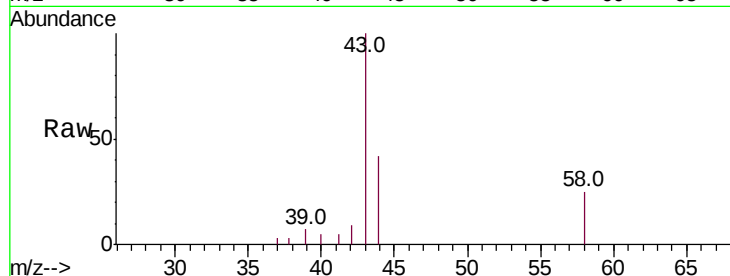
ClientSampleId :

Tot Ion: 43 Resp: 45128

Ion Ratio Lower Upper

43 100

58 25.2 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

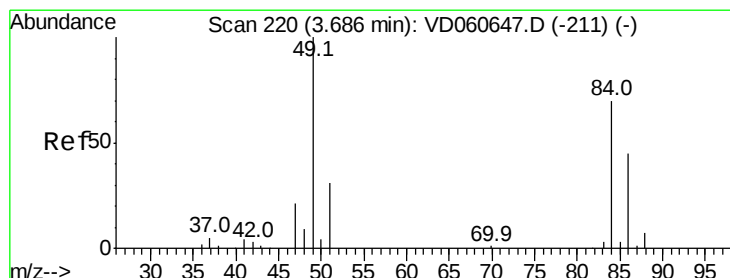
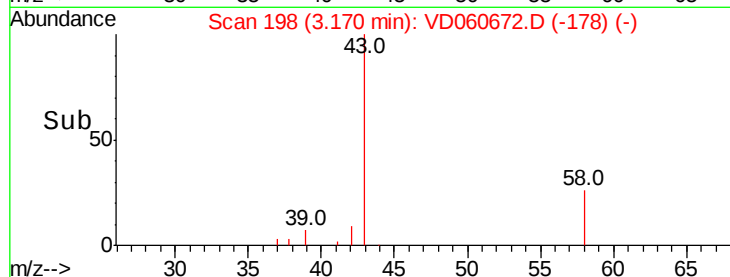
10000

5000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 14.008 ug/l

RT: 3.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Tgt Ion: 84 Resp: 244514

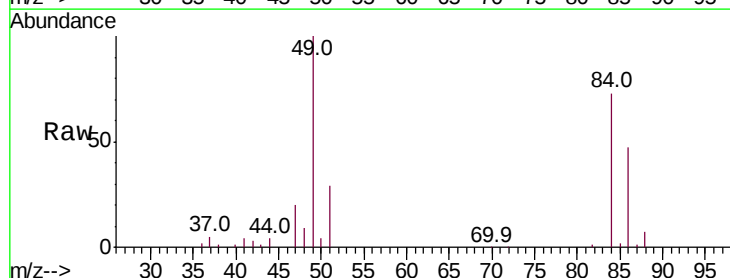
Ion Ratio Lower Upper

84 100

49 137.5 113.6 170.4

51 40.1 34.7 52.1

86 64.6 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

150000

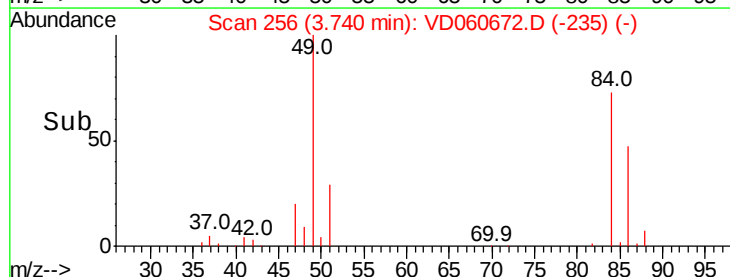
100000

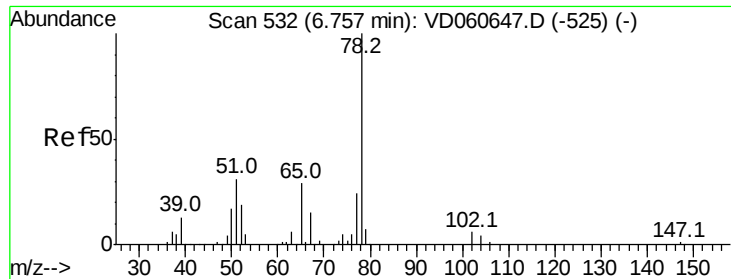
50000

0

3.60 3.70 3.80 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 566

Delta R.T. -0.00 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

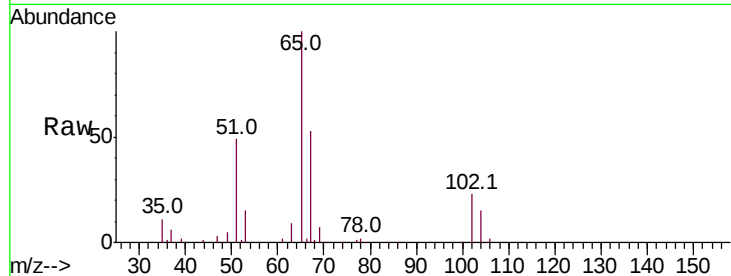
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 477722

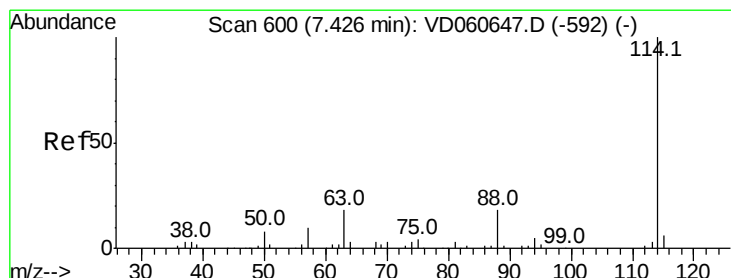
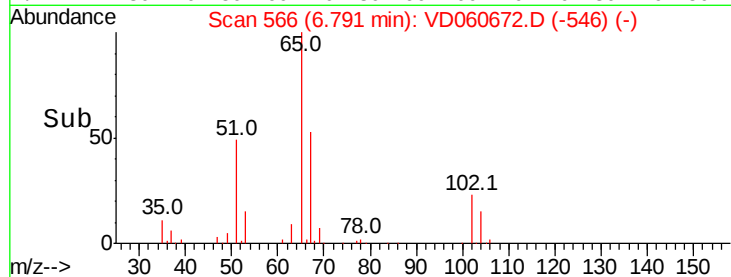
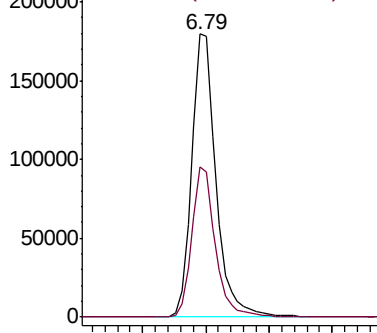
Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.4



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: 7.45 min Scan# 633

Delta R.T. 0.01 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

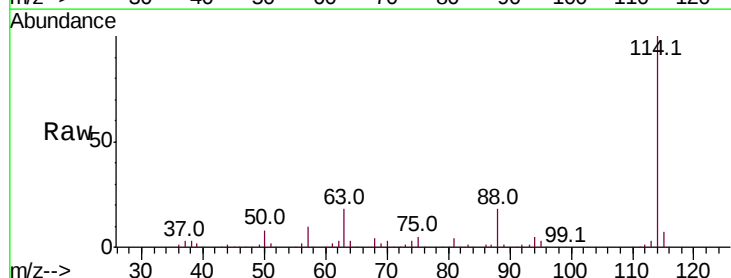
Tgt Ion:114 Resp: 2038637

Ion Ratio Lower Upper

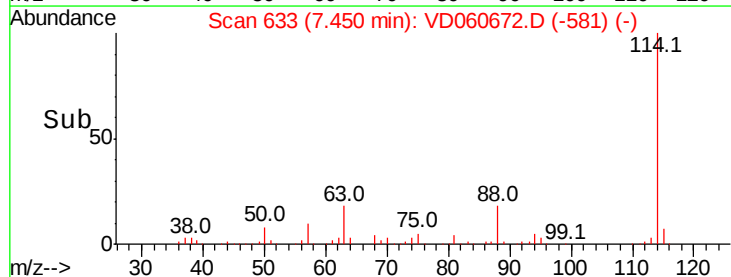
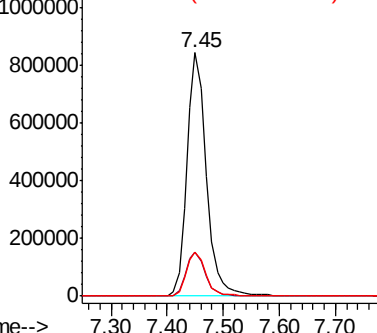
114 100

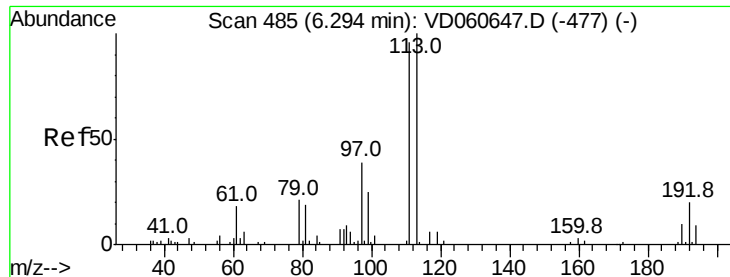
63 18.3 0.0 36.2

88 18.1 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

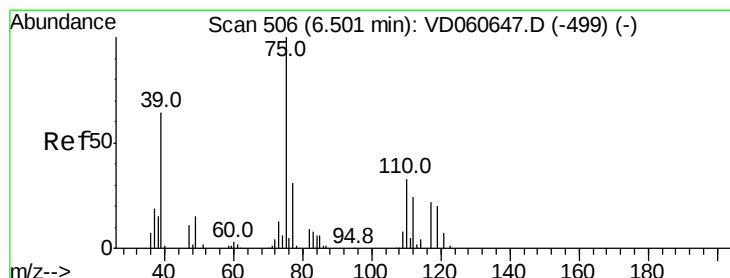
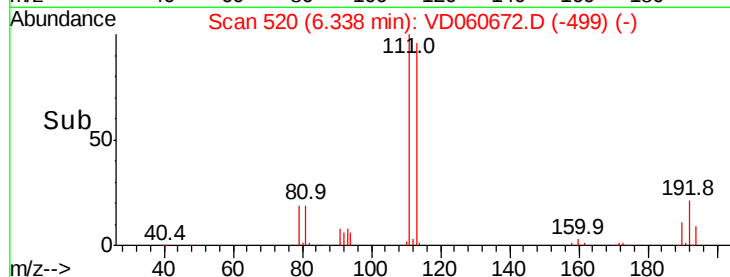
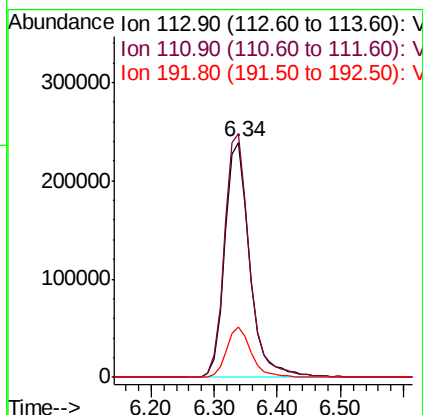
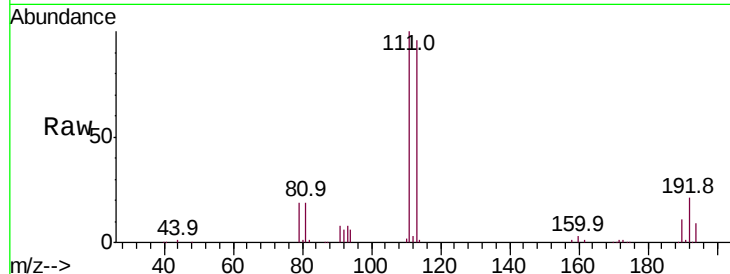




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD060672.D
Acq: 20 Dec 2018 21:40

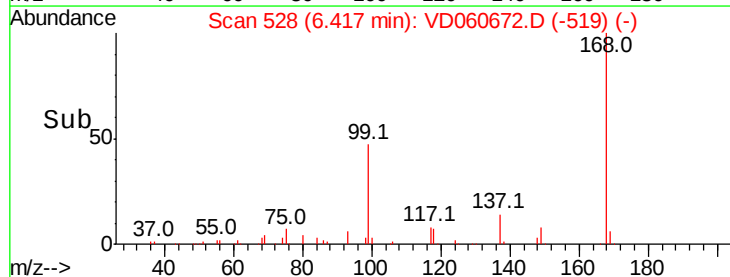
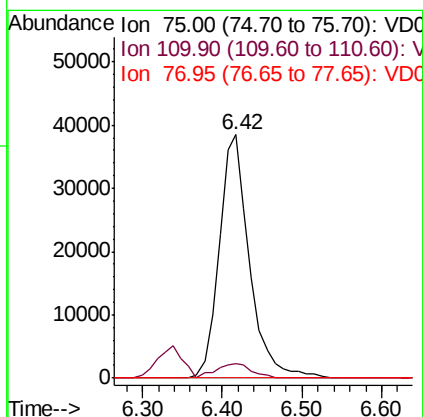
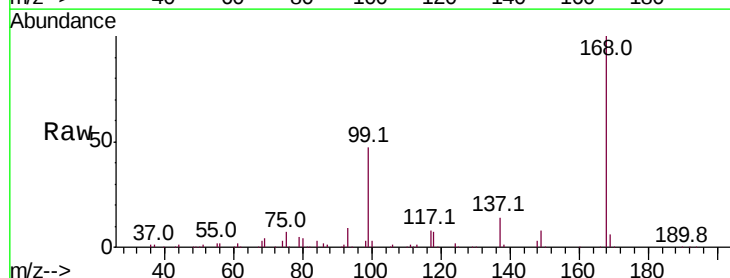
Instrument :
MSVOA_D
ClientSampleId :

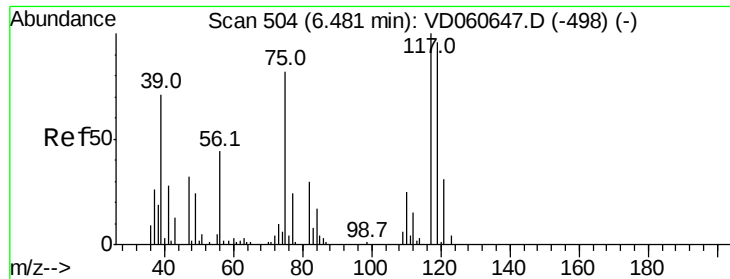
Tot Ion:113 Resp: 654754
Ion Ratio Lower Upper
113 100
111 103.7 80.0 120.0
192 21.3 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.842 ug/l
RT: 6.42 min Scan# 528
Delta R.T. -0.11 min
Lab File: VD060672.D
Acq: 20 Dec 2018 21:40

Tgt Ion: 75 Resp: 101647
Ion Ratio Lower Upper
75 100
110 5.8 18.9 56.7#
77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 6.42 min Scan# 528

Delta R.T. -0.08 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :
MSVOA_D
ClientSampled :

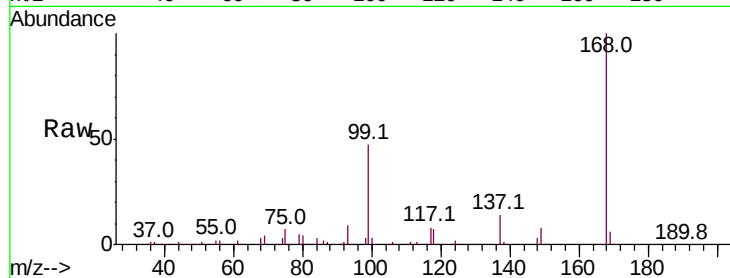
Tot Ion:117 Resp: 106375

Ion Ratio Lower Upper

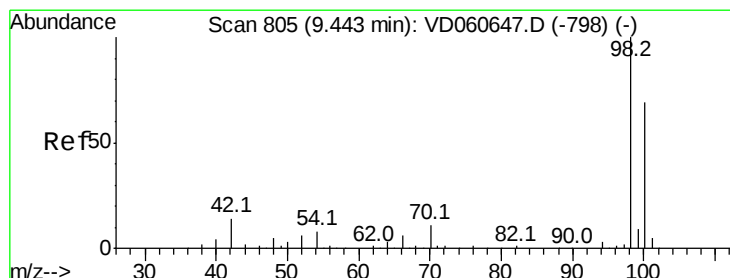
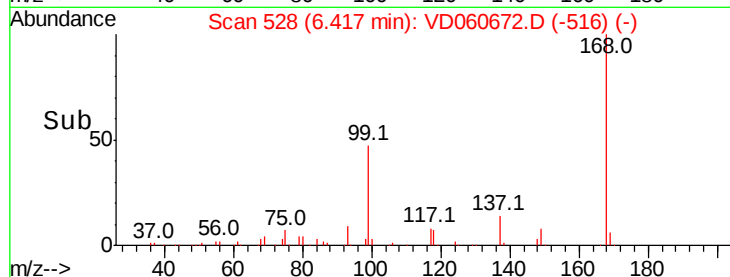
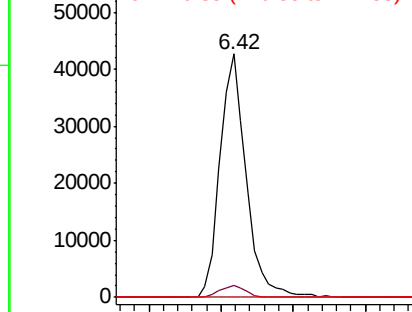
117 100

119 4.7 77.0 115.4#

121 0.0 24.7 37.1#



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: 9.47 min Scan# 838

Delta R.T. 0.01 min

Lab File: VD060672.D

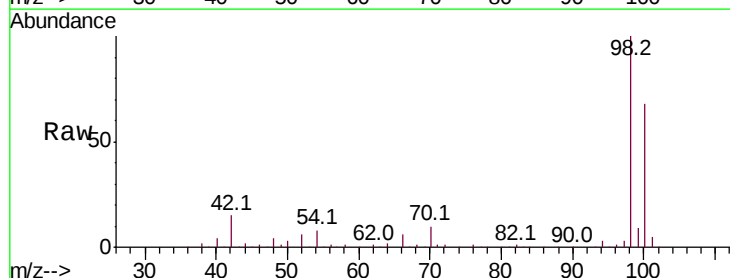
Acq: 20 Dec 2018 21:40

Tgt Ion: 98 Resp: 1583828

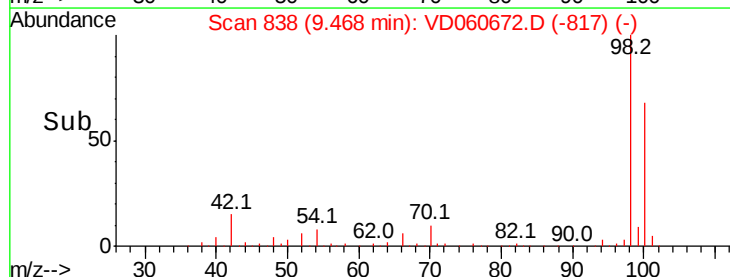
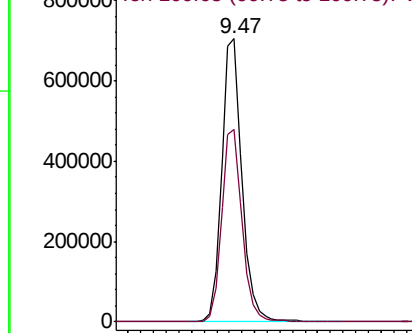
Ion Ratio Lower Upper

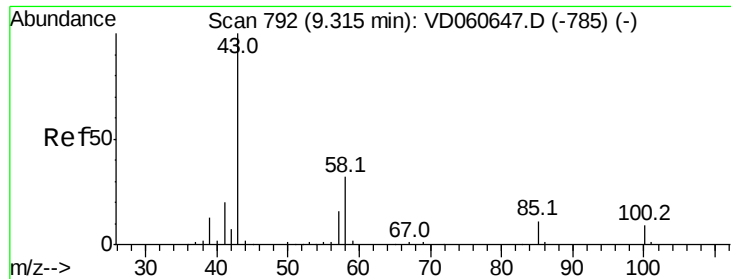
98 100

100 68.1 55.8 83.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.223 ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.12 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :

MSVOA_D

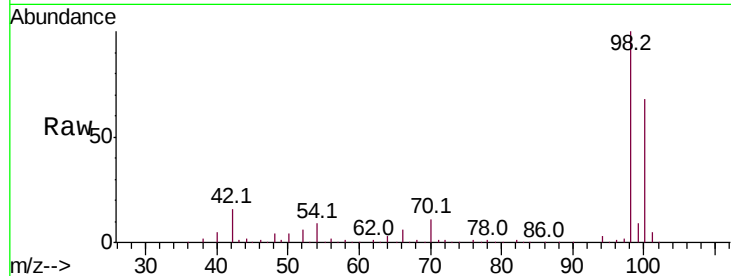
ClientSampleId :

Tot Ion: 43 Resp: 8440

Ion Ratio Lower Upper

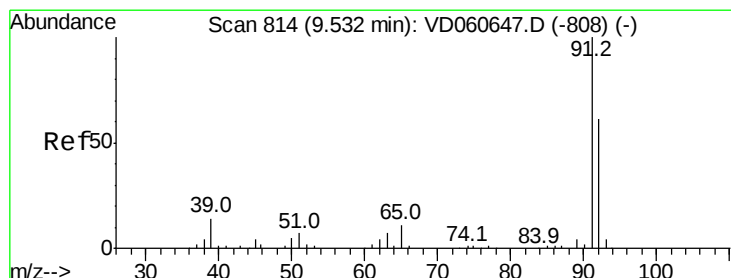
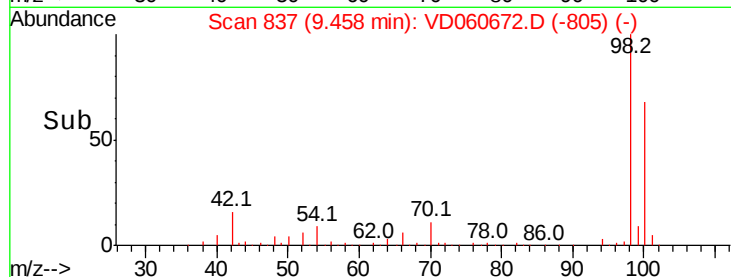
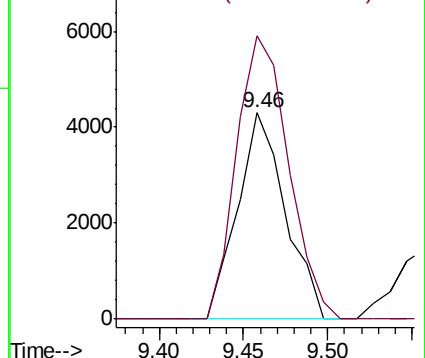
43 100

58 137.2 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 3.595 ug/l

RT: 9.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD060672.D

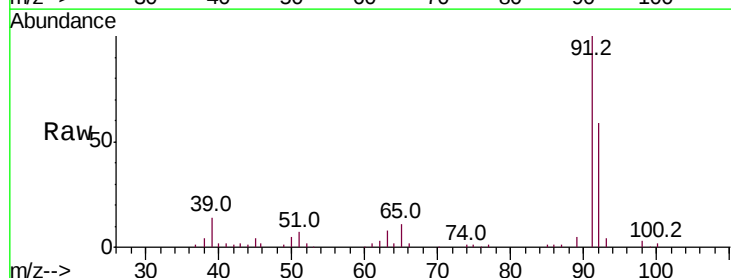
Acq: 20 Dec 2018 21:40

Tgt Ion: 92 Resp: 122221

Ion Ratio Lower Upper

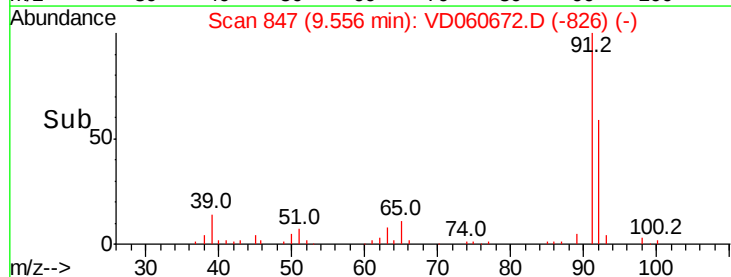
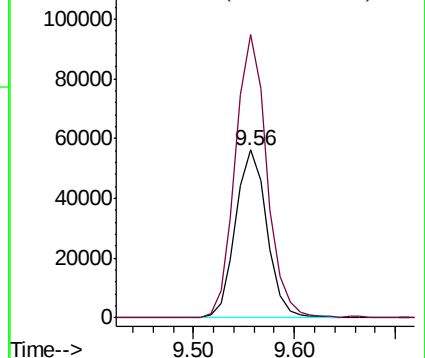
92 100

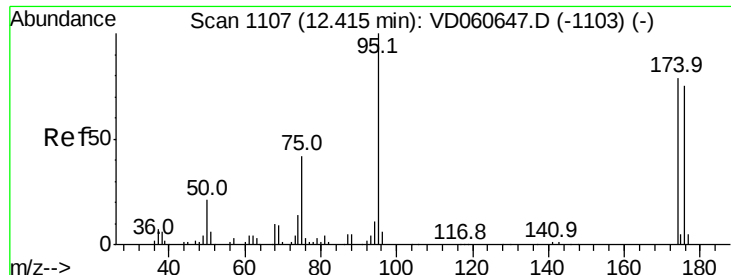
91 168.4 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

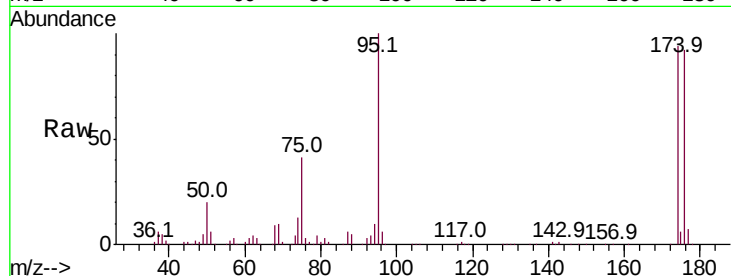
Tot Ion: 95 Resp: 460625

Ion Ratio Lower Upper

95 100

174 93.8 0.0 158.2

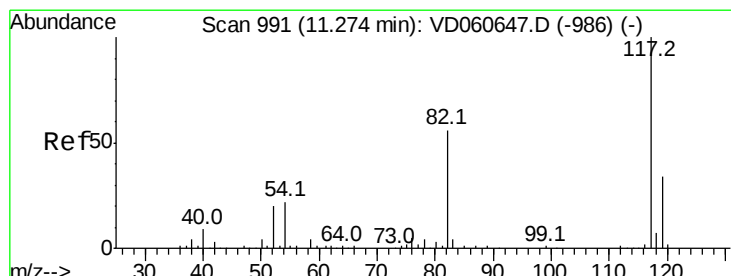
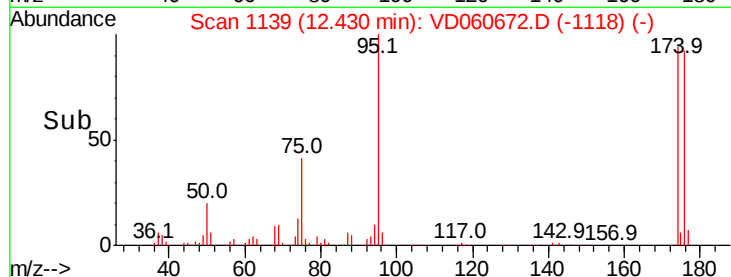
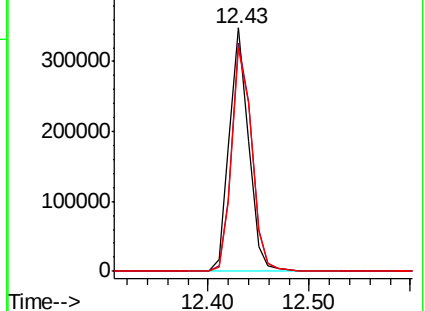
176 91.9 0.0 152.4



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: 11.29 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

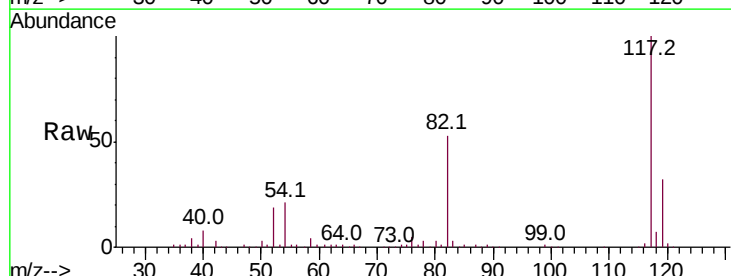
Tgt Ion: 117 Resp: 1426086

Ion Ratio Lower Upper

117 100

82 53.5 44.5 66.7

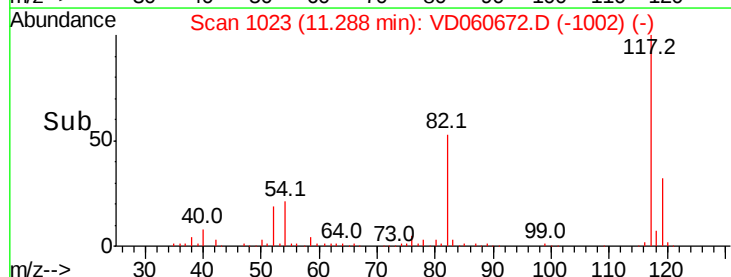
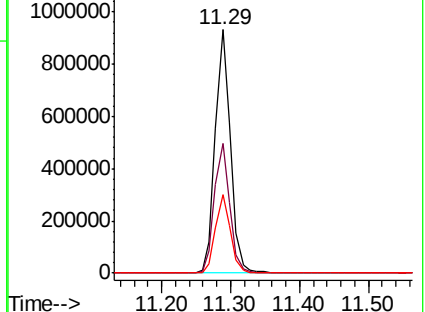
119 32.3 26.3 39.5

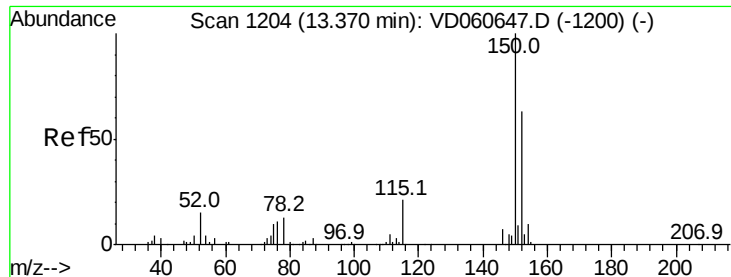


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



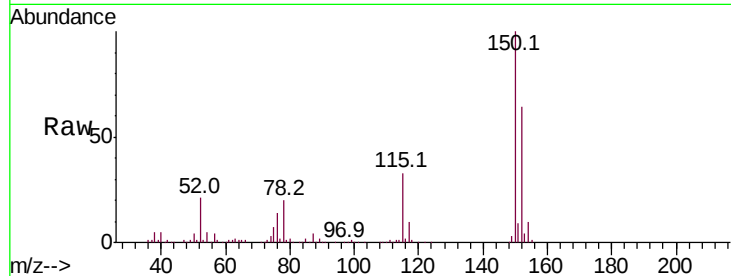


#72

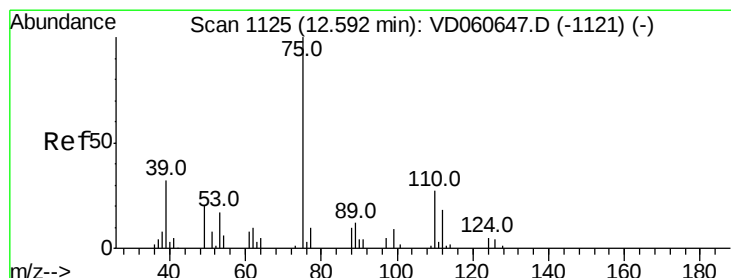
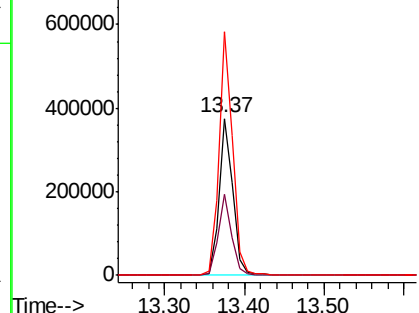
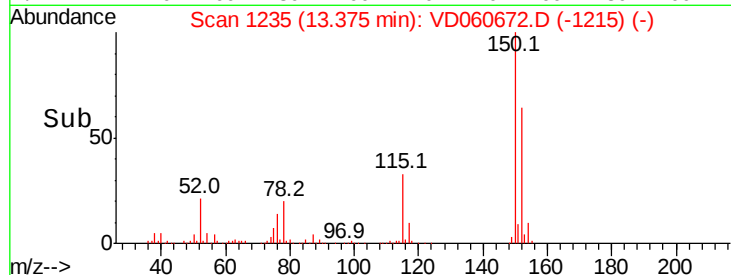
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VD060672.D
Acq: 20 Dec 2018 21:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 453676
Ion Ratio Lower Upper
152 100
115 51.5 24.1 72.3
150 155.1 0.0 315.0



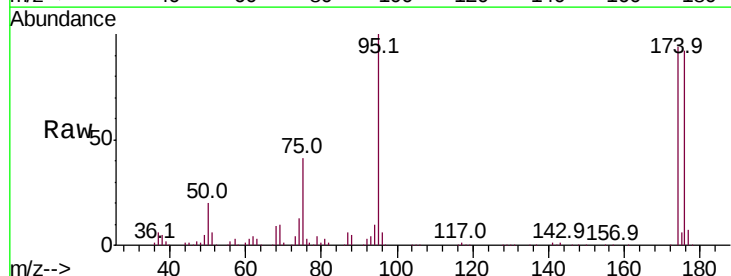
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



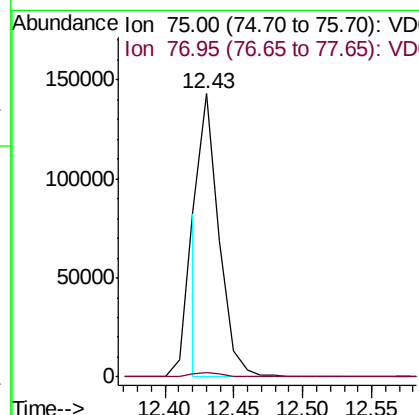
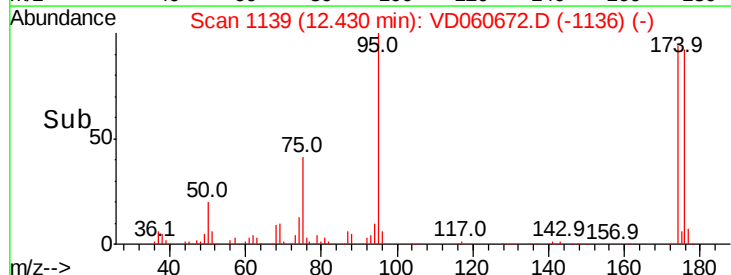
#76

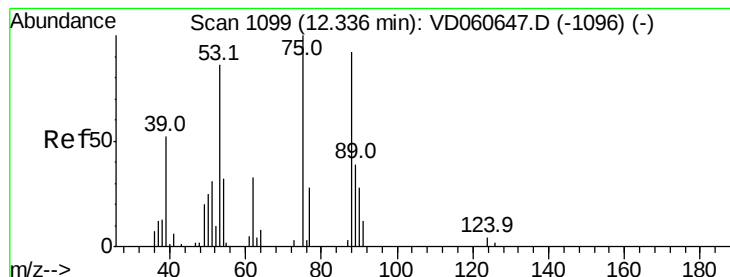
1,2,3-Trichloropropane
Concen: 26.452 ug/l
RT: 12.43 min Scan# 1139
Delta R.T. -0.17 min
Lab File: VD060672.D
Acq: 20 Dec 2018 21:40

Tgt Ion: 75 Resp: 136625
Ion Ratio Lower Upper
75 100
77 1.5 16.7 50.0#



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: 133.308 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.09 min

Lab File: VD060672.D

Acq: 20 Dec 2018 21:40

Instrument :

MSVOA_D

ClientSampleId :

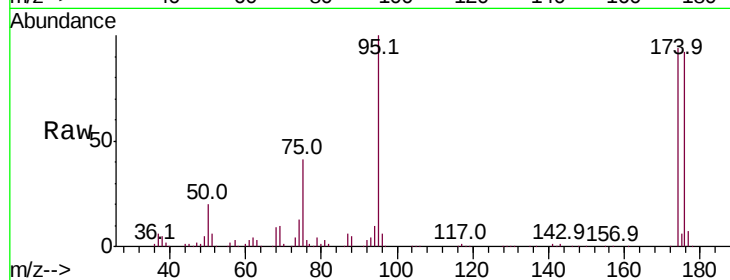
Tot Ion: 75 Resp: 190260

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

