

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060041.D
 Acq On : 19 Sep 2018 14:08
 Operator : JC/SY
 Sample : J4975-01RE
 Misc : 5.20g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-220RE

Quant Time: Sep 21 16:24:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

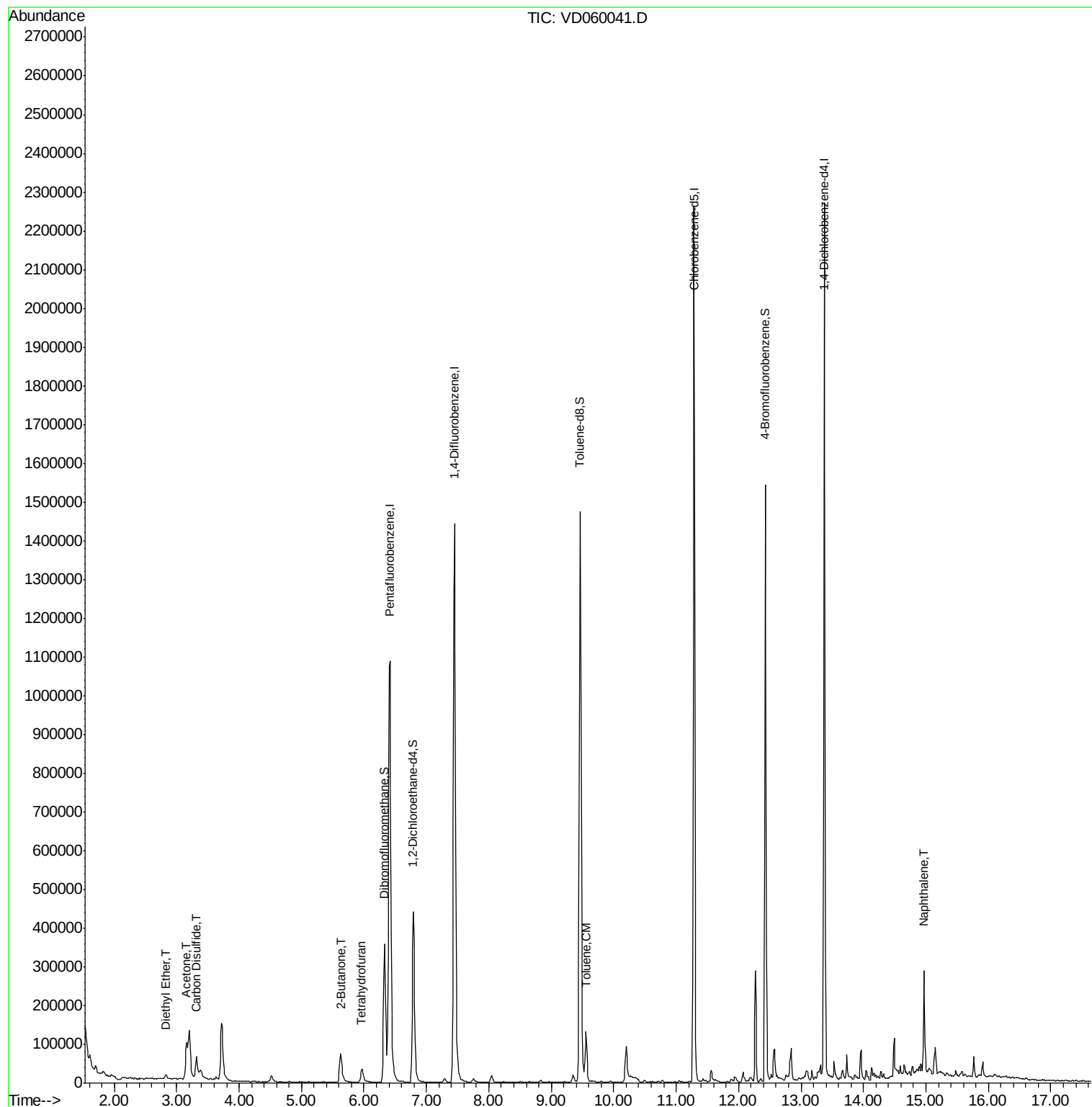
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1106837	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.45	114	1518303	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1178271	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	518640	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	359630	41.67	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.34%	
35) Dibromofluoromethane	6.33	113	281972	23.77	ug/l	0.03
Spiked Amount 50.000			Recovery	=	47.54%	
50) Toluene-d8	9.46	98	1247510	37.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.90%	
62) 4-Bromofluorobenzene	12.43	95	432362	34.43	ug/l	0.02
Spiked Amount 50.000			Recovery	=	68.86%	
Target Compounds						
8) Diethyl Ether	2.82	74	3587	1.847	ug/l	77
16) Acetone	3.16	43	198614	119.182	ug/l	95
17) Carbon Disulfide	3.31	76	95133	6.063	ug/l	98
25) 2-Butanone	5.63	43	149042	33.143	ug/l	99
29) Tetrahydrofuran	5.96	42	17670	7.327	ug/l	95
52) Toluene	9.55	92	64782	2.629	ug/l	96
95) Naphthalene	14.97	128	157065	8.376	ug/l	99

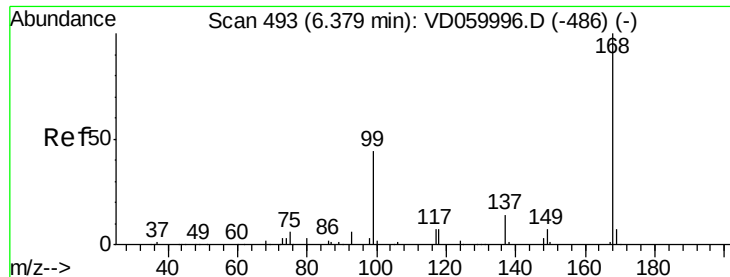
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091918\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.04 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

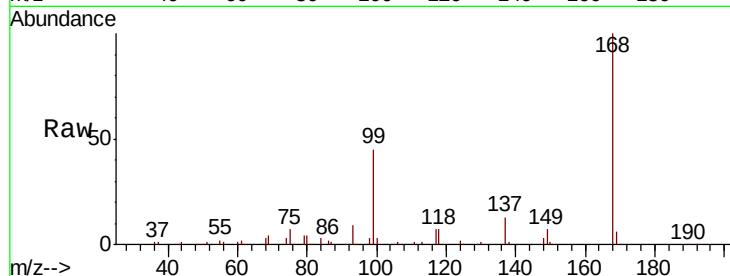
VNJ-220RE

Tot Ion:168 Resp: 1106837

Ion Ratio Lower Upper

168 100

99 45.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

400000

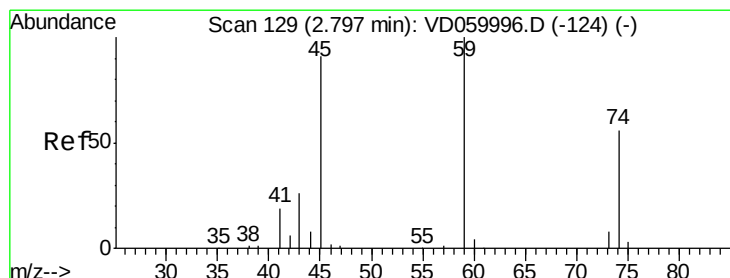
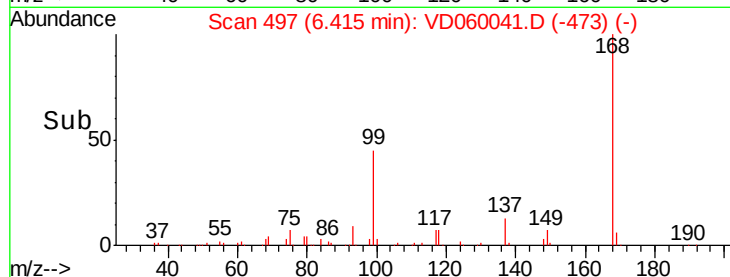
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.847 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.03 min

Lab File: VD060041.D

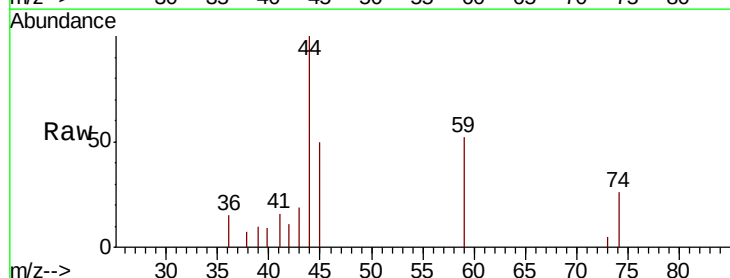
Acq: 19 Sep 2018 14:08

Tgt Ion: 74 Resp: 3587

Ion Ratio Lower Upper

74 100

45 192.7 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

4000

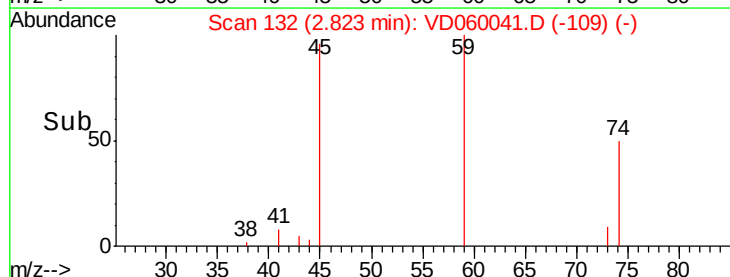
3000

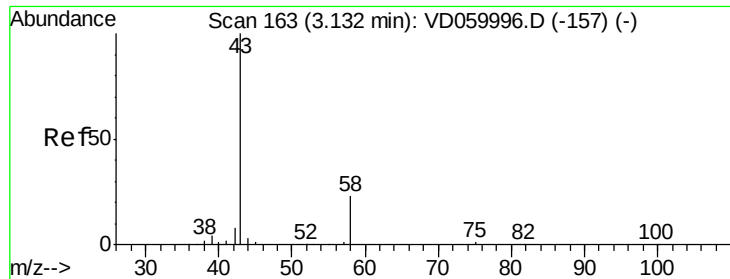
2000

1000

0

Time-->

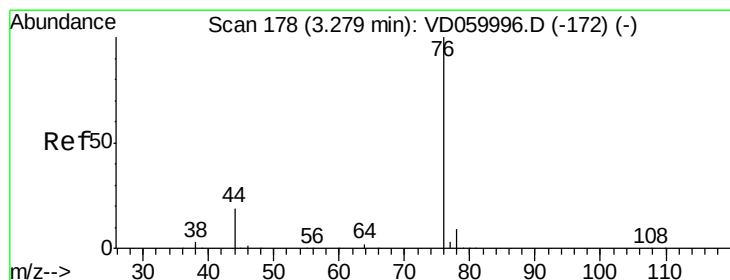
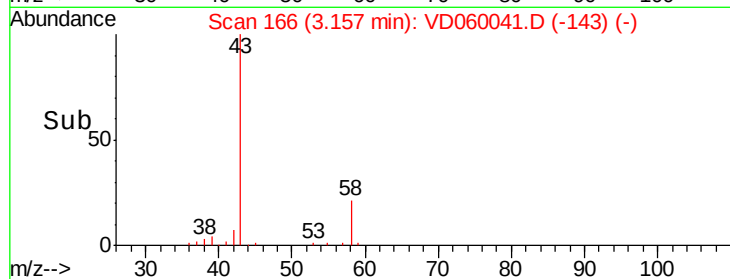
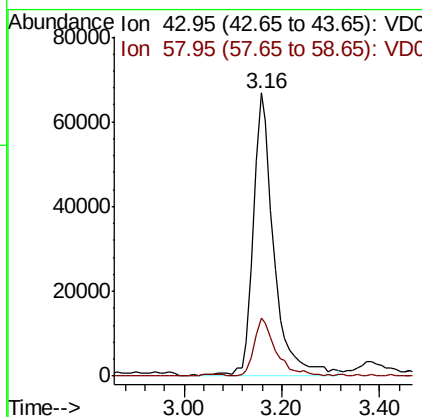
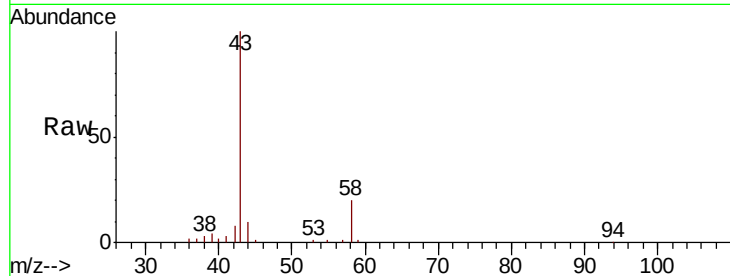




#16
Acetone
Concen: 119.182 ug/l
RT: 3.16 min Scan# 166
Delta R.T. 0.03 min
Lab File: VD060041.D
Acq: 19 Sep 2018 14:08

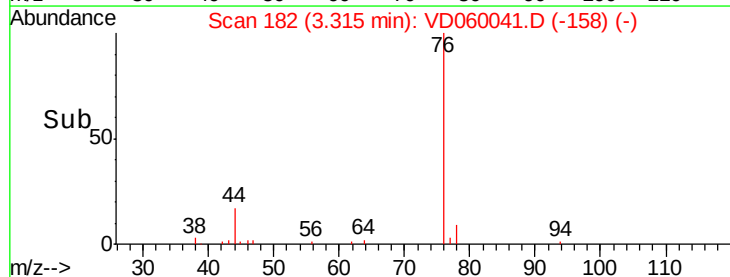
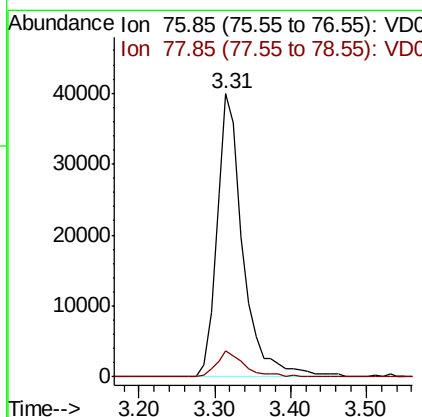
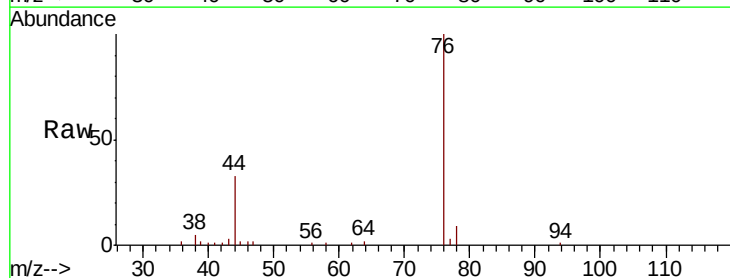
Instrument :
MSVOA_D
ClientSampleId :
VNJ-220RE

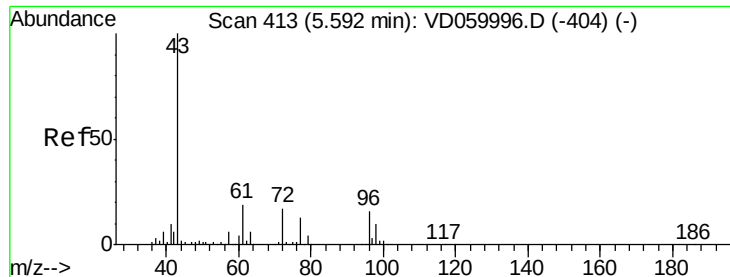
Tot Ion: 43 Resp: 198614
Ion Ratio Lower Upper
43 100
58 20.4 18.1 27.1



#17
Carbon Disulfide
Concen: 6.063 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.04 min
Lab File: VD060041.D
Acq: 19 Sep 2018 14:08

Tgt Ion: 76 Resp: 95133
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4





#25

2-Butanone

Concen: 33.143 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.04 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

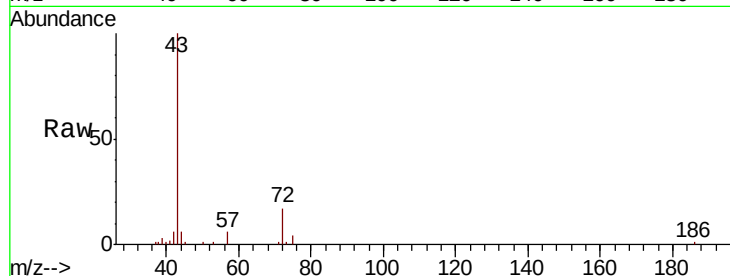
VNJ-220RE

Tot Ion: 43 Resp: 149042

Ion Ratio Lower Upper

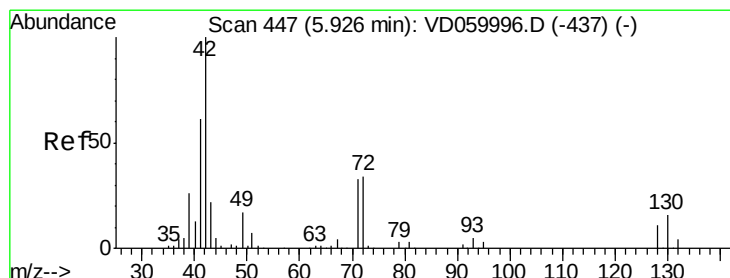
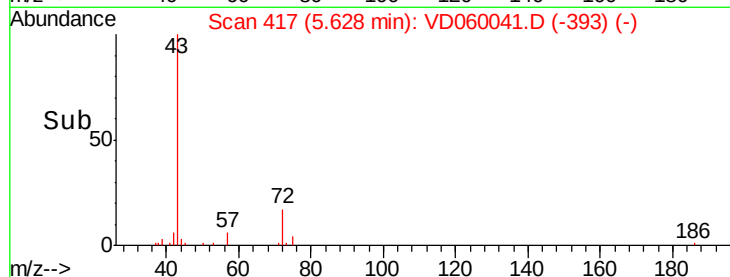
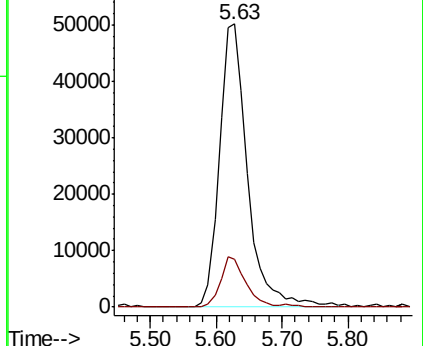
43 100

72 16.7 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 7.327 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

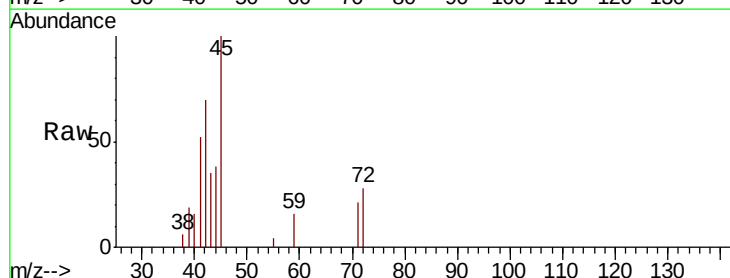
Tgt Ion: 42 Resp: 17670

Ion Ratio Lower Upper

42 100

72 32.3 26.9 40.3

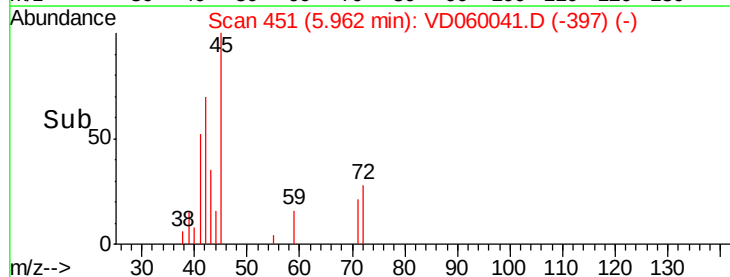
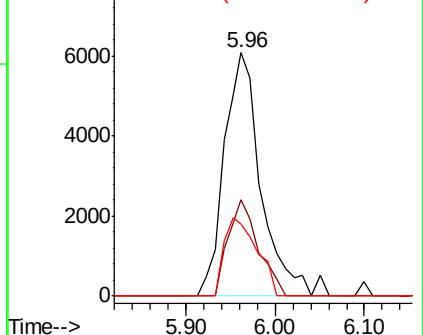
71 28.4 26.2 39.4

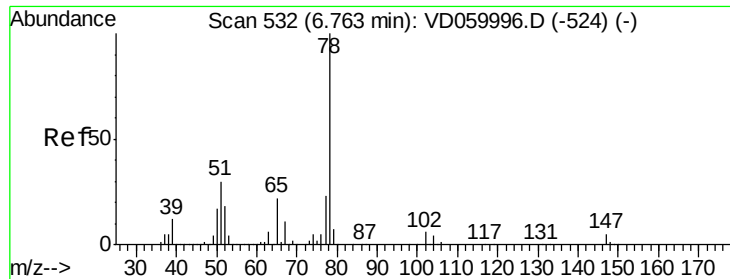


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

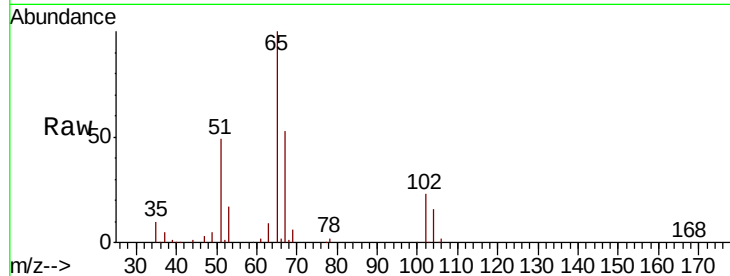
VNJ-220RE

Tot Ion: 65 Resp: 359630

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

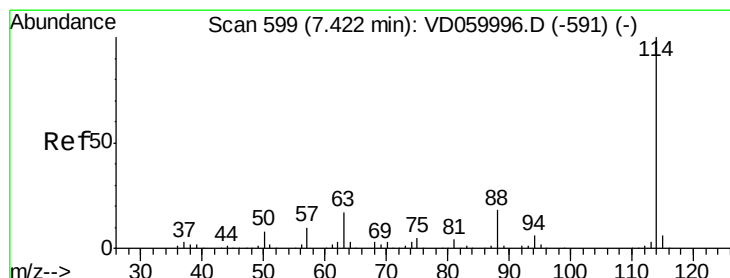
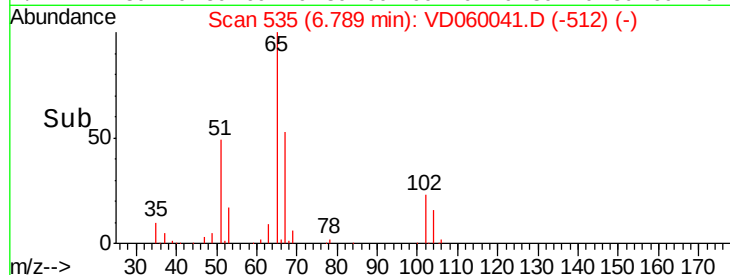
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

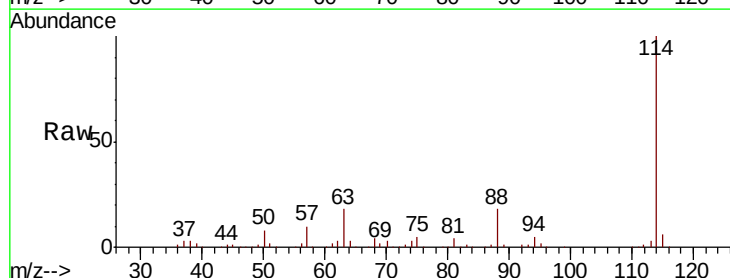
Tgt Ion: 114 Resp: 1518303

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 18.2 0.0 35.8



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

7.45

800000

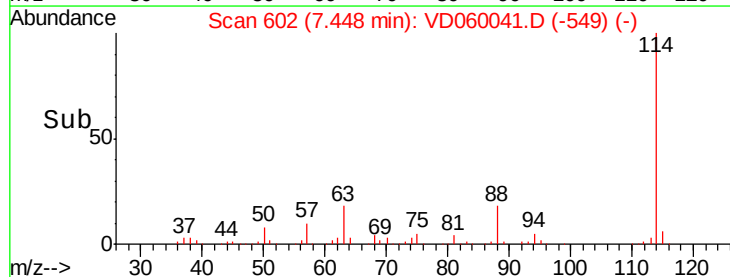
600000

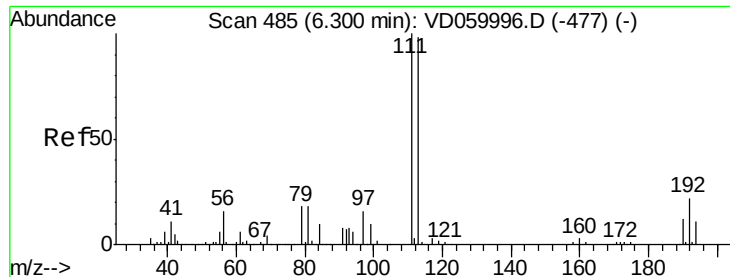
400000

200000

0

Time--> 7.40 7.60 7.80

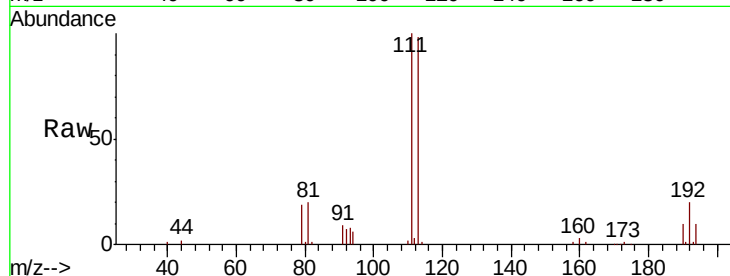




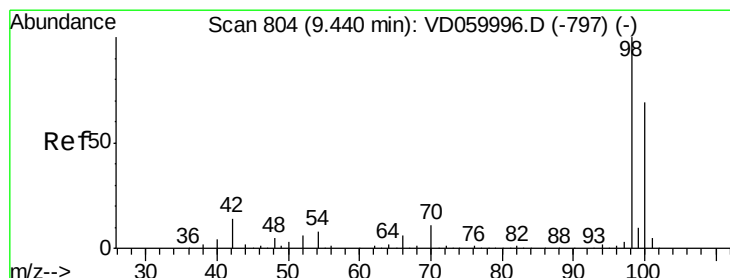
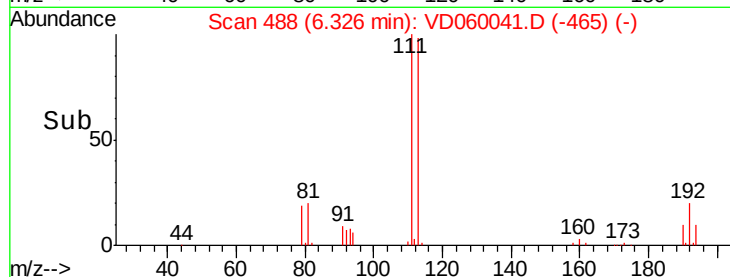
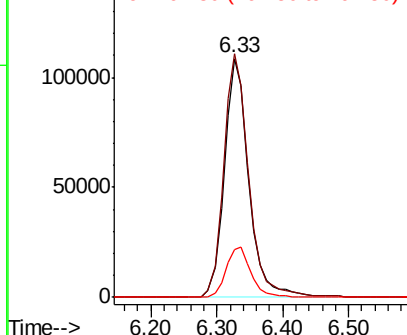
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060041.D
 Acq: 19 Sep 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-220RE

Tot Ion:113 Resp: 281972
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.3 121.9
 192 19.9 18.1 27.1

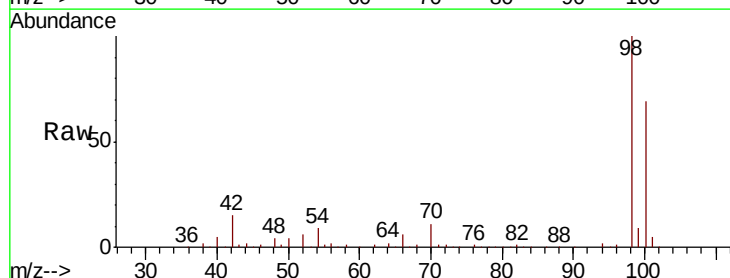


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

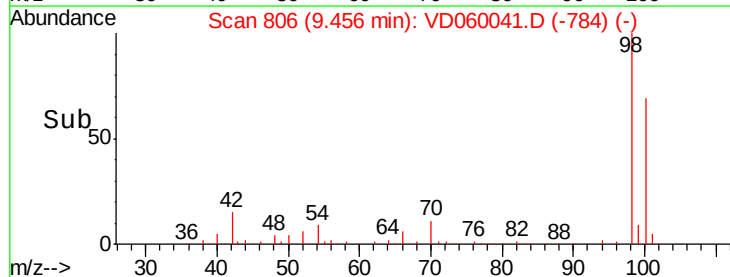
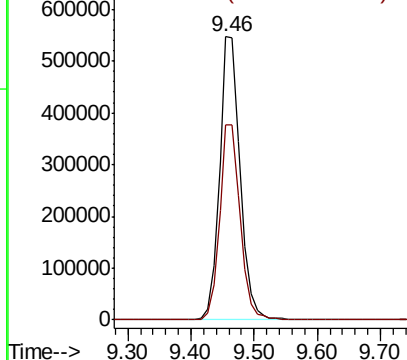


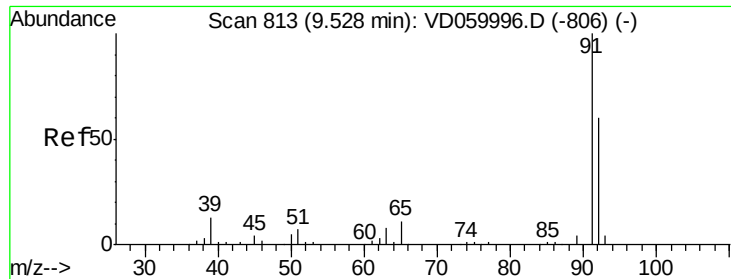
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.46 min Scan# 806
 Delta R.T. 0.02 min
 Lab File: VD060041.D
 Acq: 19 Sep 2018 14:08

Tgt Ion: 98 Resp: 1247510
 Ion Ratio Lower Upper
 98 100
 100 68.9 55.8 83.6



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





#52

Toluene

Concen: 2.629 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

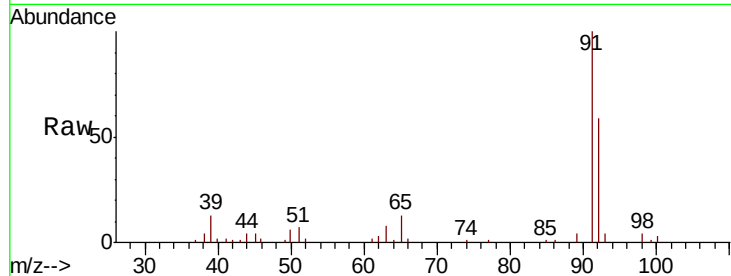
VNJ-220RE

Tot Ion: 92 Resp: 64782

Ion Ratio Lower Upper

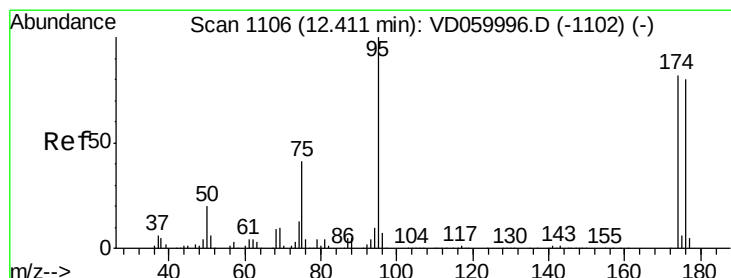
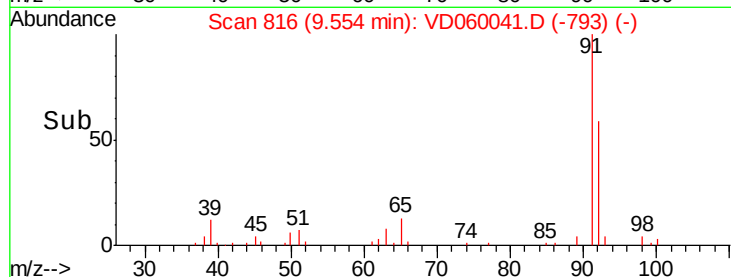
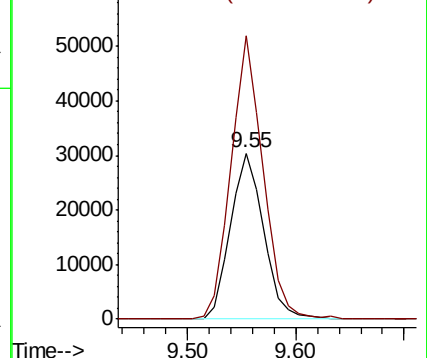
92 100

91 170.3 132.3 198.5



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# 1108

Delta R.T. 0.02 min

Lab File: VD060041.D

Acq: 19 Sep 2018 14:08

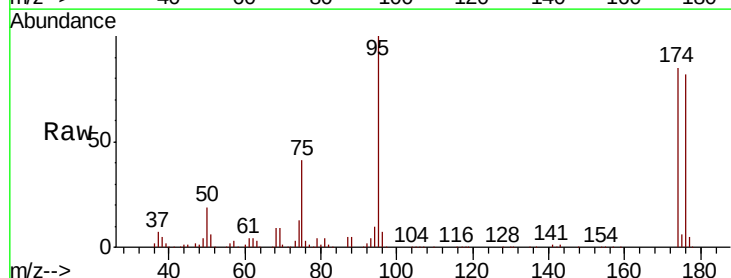
Tgt Ion: 95 Resp: 432362

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.0

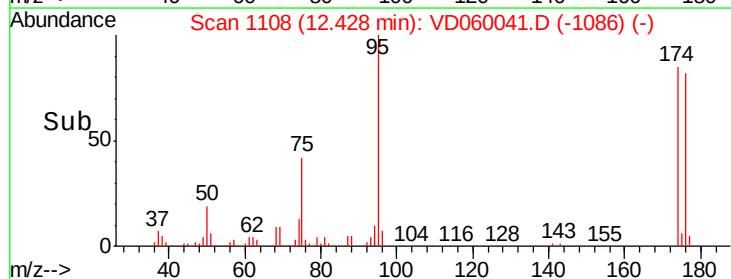
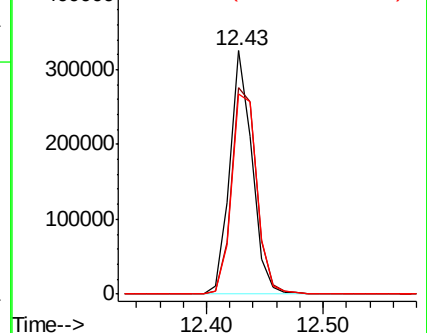
176 82.4 0.0 160.2

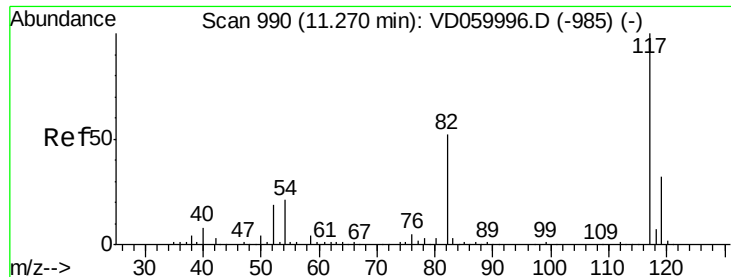


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

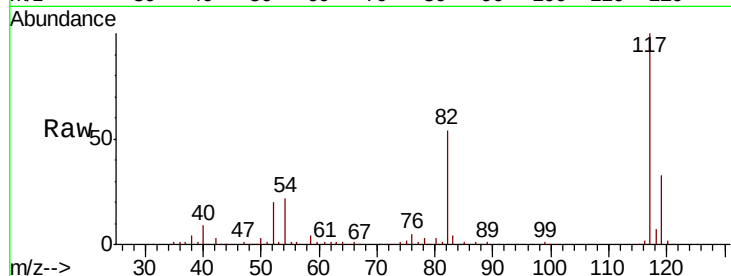




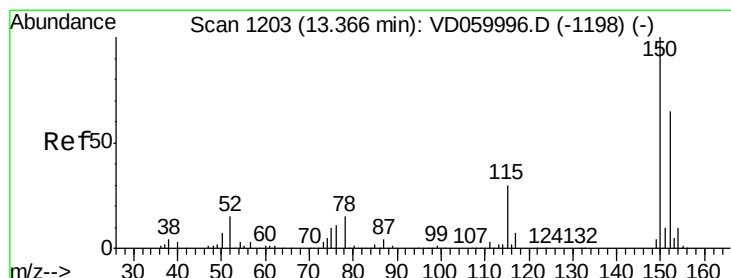
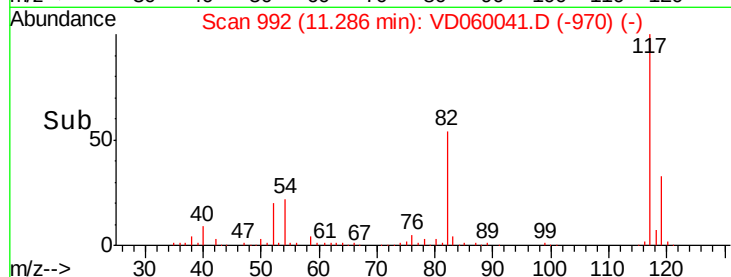
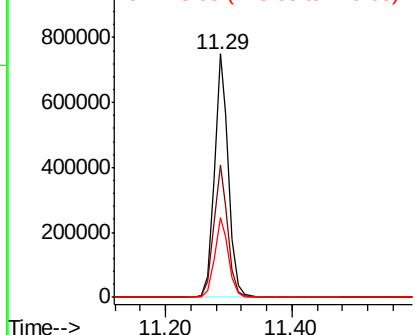
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060041.D
Acq: 19 Sep 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VNJ-220RE

Tot Ion:117 Resp: 1178271
Ion Ratio Lower Upper
117 100
82 54.3 41.7 62.5
119 32.9 26.0 39.0

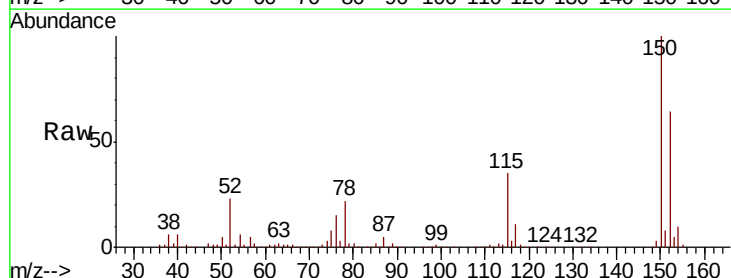


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

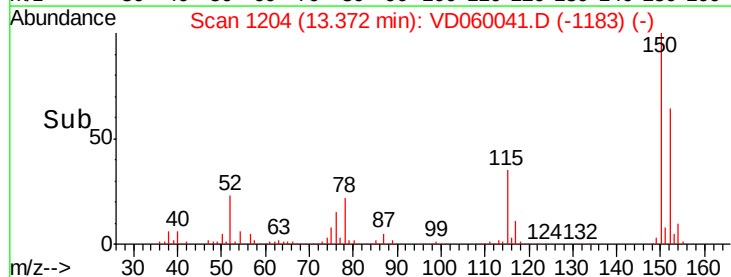
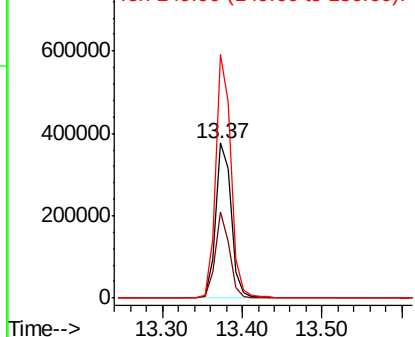


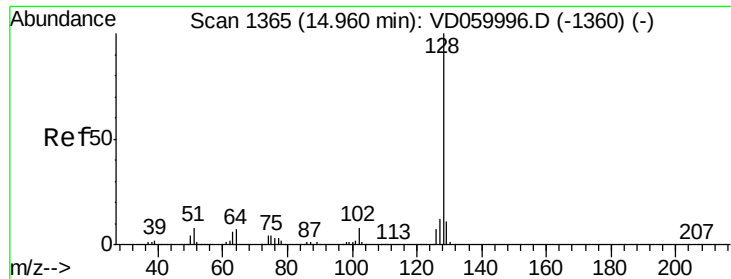
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060041.D
Acq: 19 Sep 2018 14:08

Tgt Ion:152 Resp: 518640
Ion Ratio Lower Upper
152 100
115 55.7 24.6 73.8
150 157.1 0.0 313.4



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





#95
Naphthalene
Concen: 8.376 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060041.D
Acq: 19 Sep 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VNJ-220RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.7	14.5
129	10.5	8.9	13.3

