

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059521.D
 Acq On : 3 Jul 2018 00:43
 Operator : VA/AP
 Sample : J3771-01
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REACTOR-PAD

Quant Time: Jul 03 09:09:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	426981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	625216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	491889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	241475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	311612	55.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	5.52	113	208085	39.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	79.14%	
50) Toluene-d8	8.68	98	613251	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.92	95	260917	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

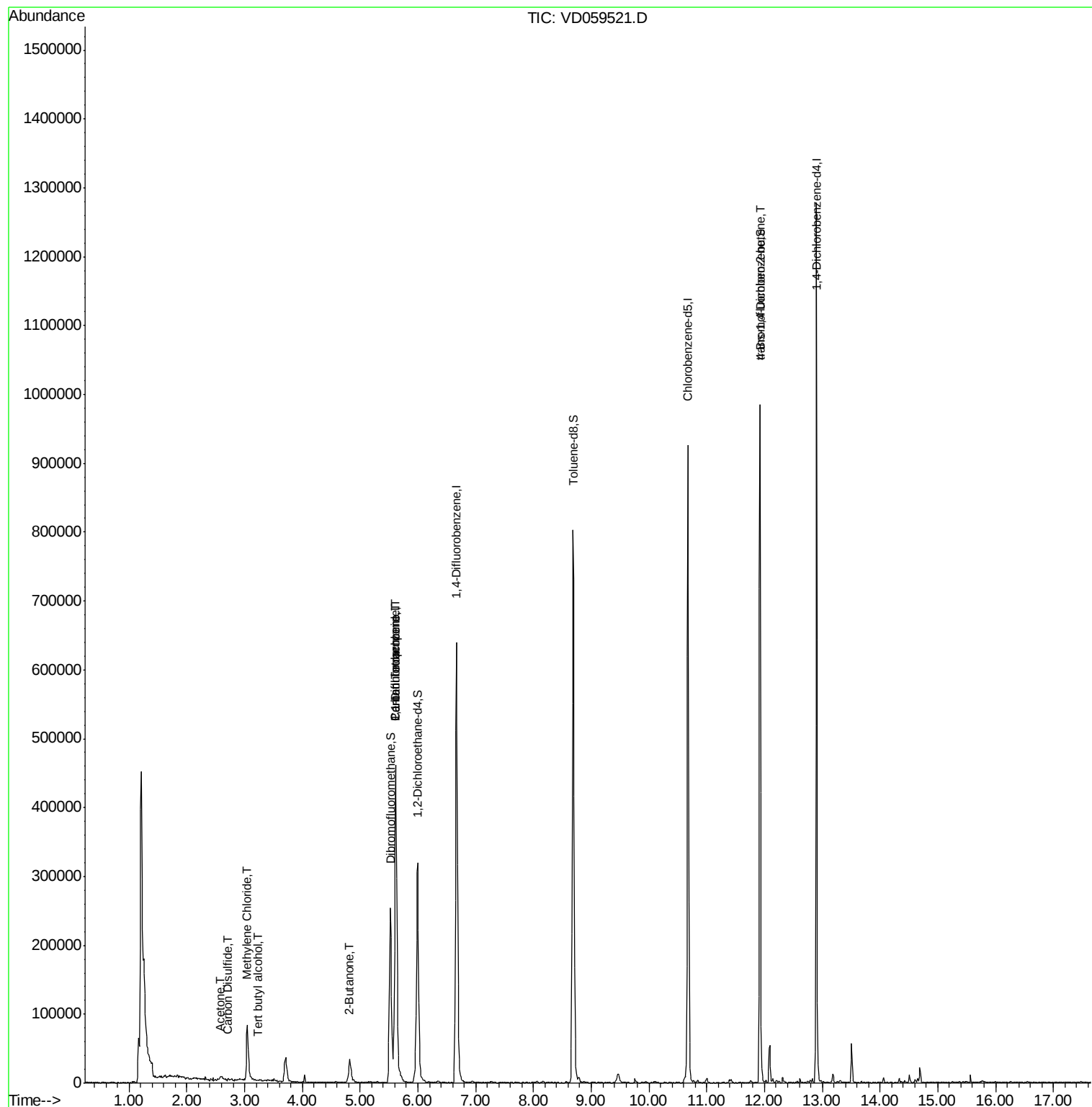
					Qvalue	
11) Tert butyl alcohol	3.23	59	197	1.067	ug/l #	72
16) Acetone	2.58	43	14073	18.781	ug/l #	79
17) Carbon Disulfide	2.72	76	191	3.127	ug/l #	76
20) Methylene Chloride	3.04	84	39889	13.741	ug/l	95
25) 2-Butanone	4.82	43	4288	2.751	ug/l #	60
31) Cyclohexane	5.61	56	12581	Below Cal	#	1
36) 1,1-Dichloropropene	5.61	75	40041	5.964	ug/l #	50
38) Carbon Tetrachloride	5.61	117	39437	5.976	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	142043	133.175	ug/l #	4

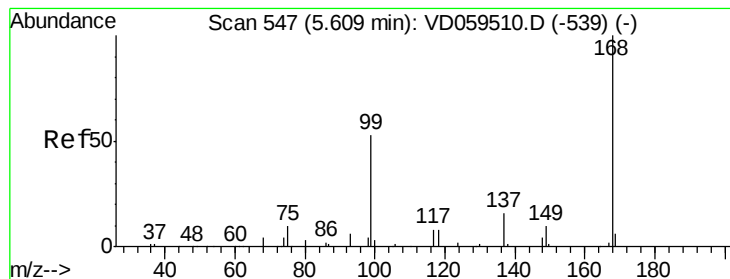
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

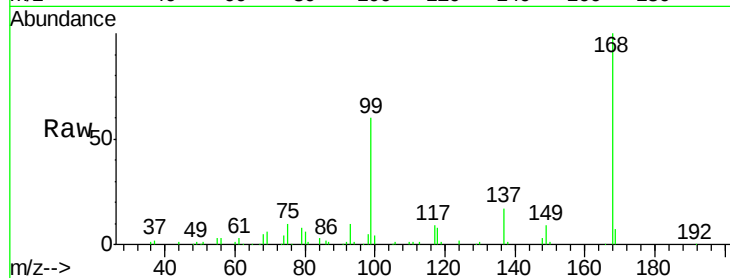
REACTOR-PAD

Tot Ion:168 Resp: 426981

Ion Ratio Lower Upper

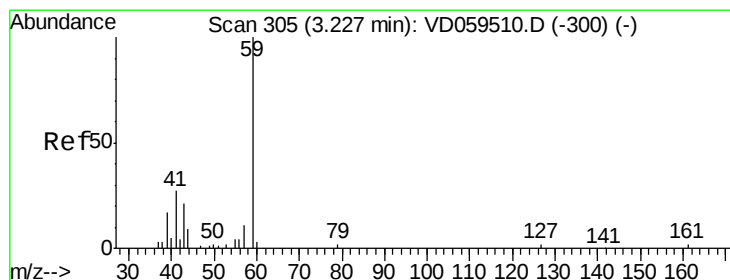
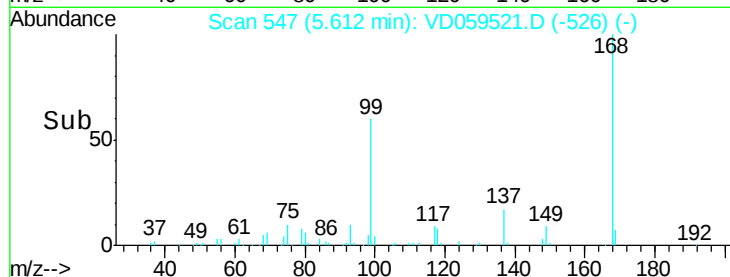
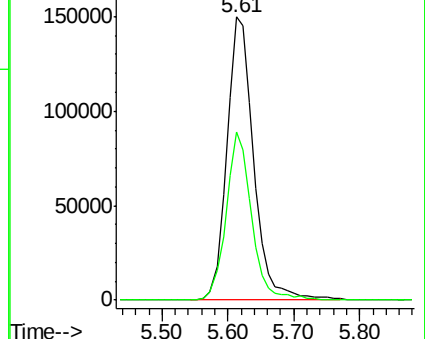
168 100

99 59.5 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.067 ug/l

RT: 3.23 min Scan# 305

Delta R.T. 0.00 min

Lab File: VD059521.D

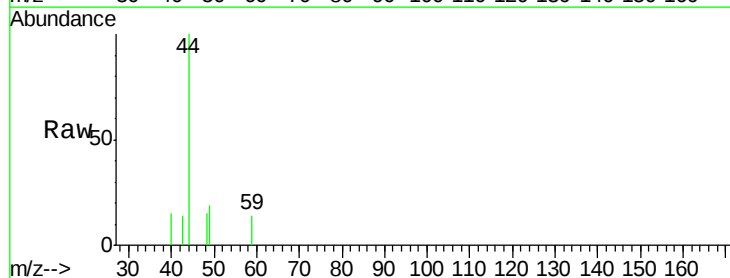
Acq: 3 Jul 2018 00:43

Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

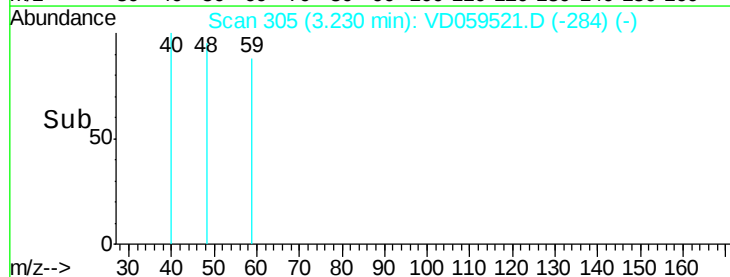
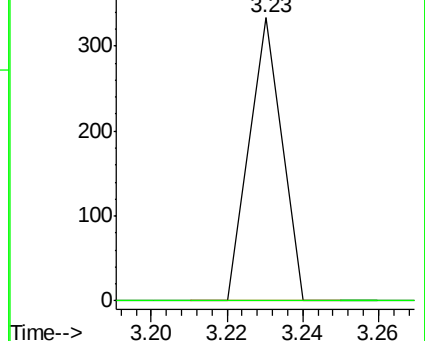
59 100

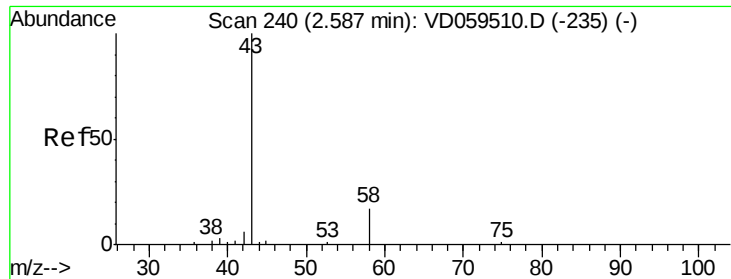
57 0.0 8.6 12.8#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 18.781 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

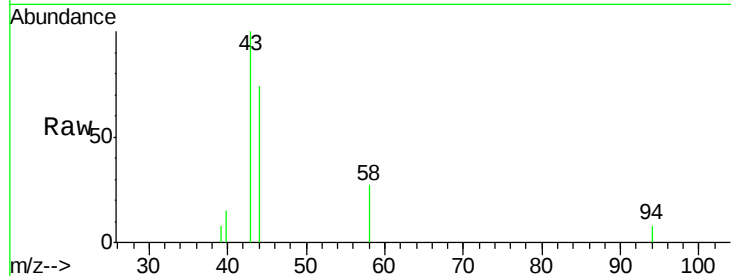
REACTOR-PAD

Tot Ion: 43 Resp: 14073

Ion Ratio Lower Upper

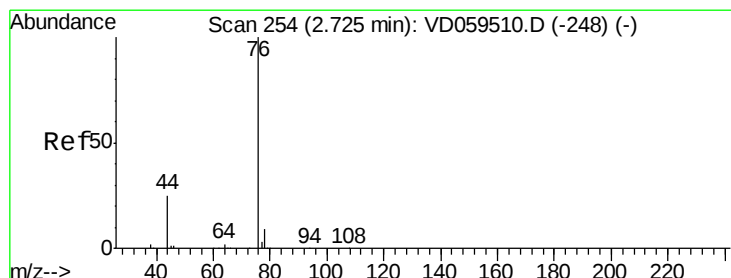
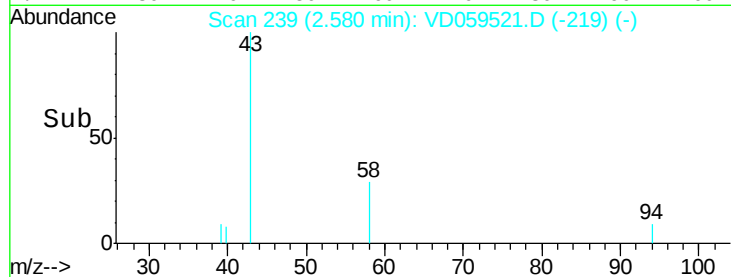
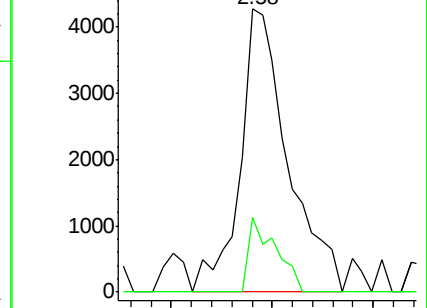
43 100

58 26.5 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 3.127 ug/l

RT: 2.72 min Scan# 253

Delta R.T. -0.01 min

Lab File: VD059521.D

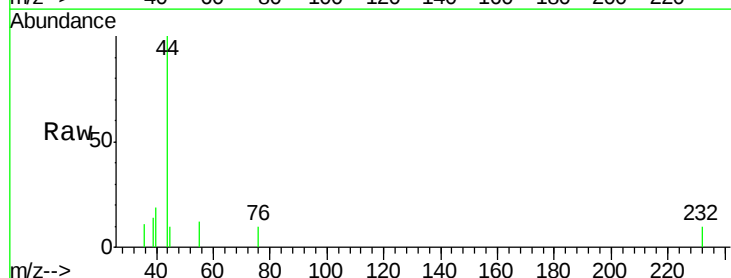
Acq: 3 Jul 2018 00:43

Tgt Ion: 76 Resp: 191

Ion Ratio Lower Upper

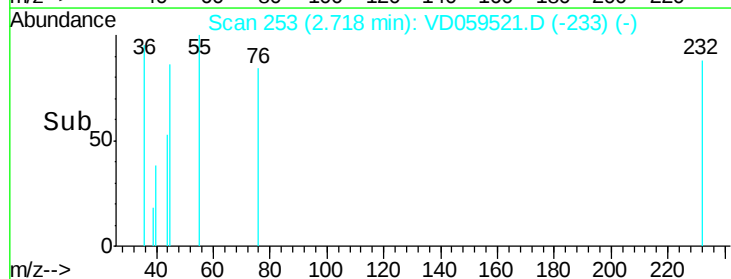
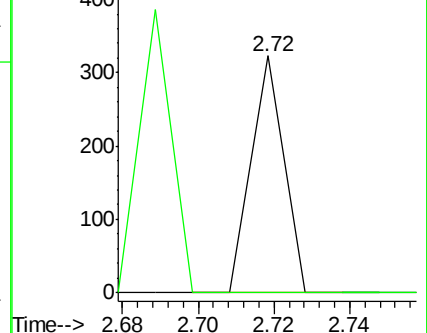
76 100

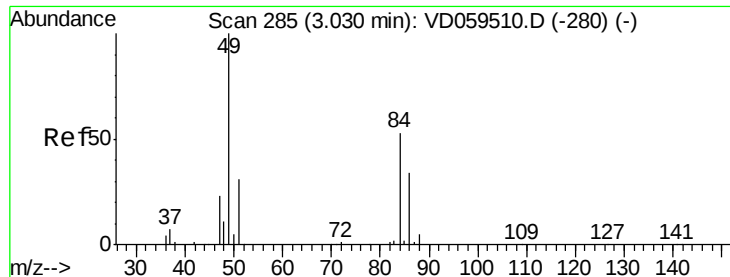
78 0.0 6.9 10.3#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

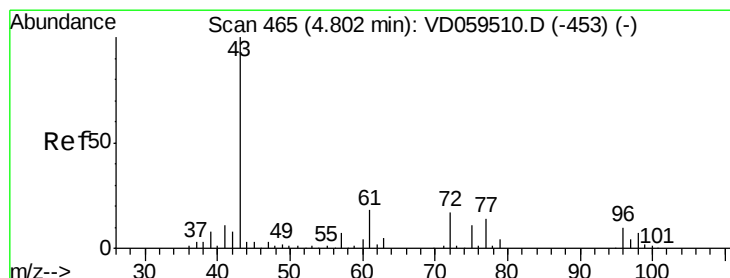
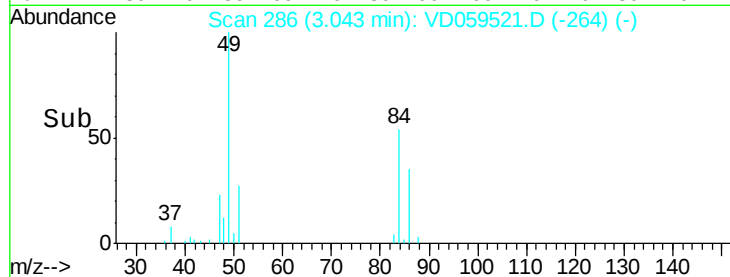
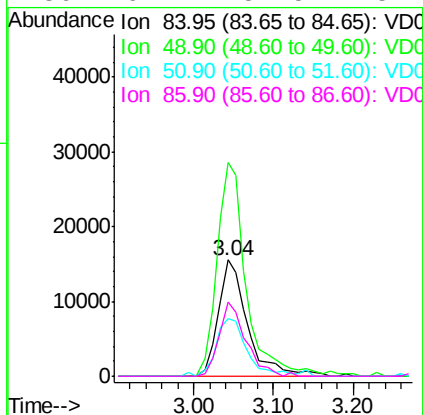
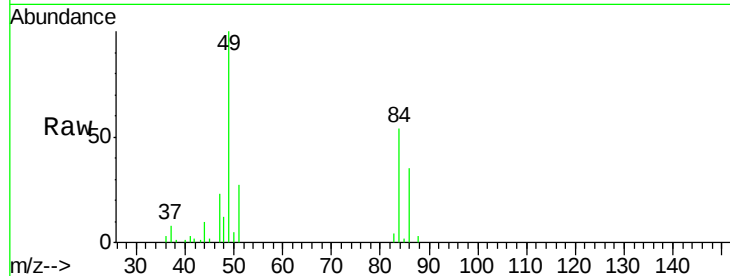




#20
Methvlene Chloride
Concen: 13.741 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059521.D
Acq: 3 Jul 2018 00:43

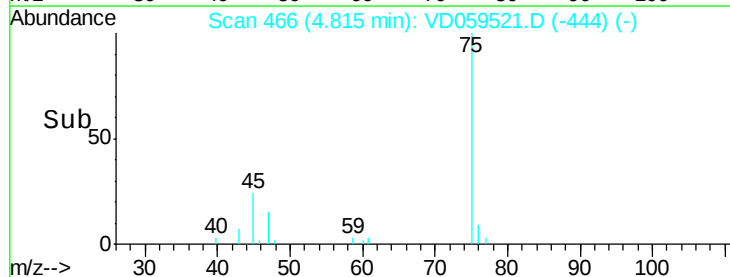
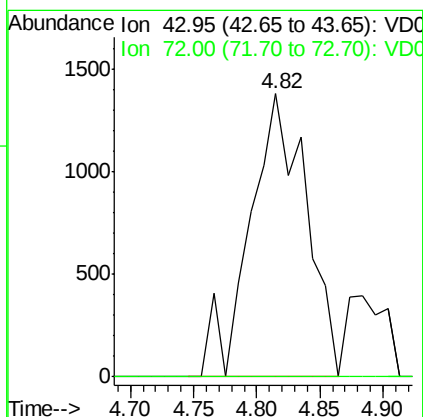
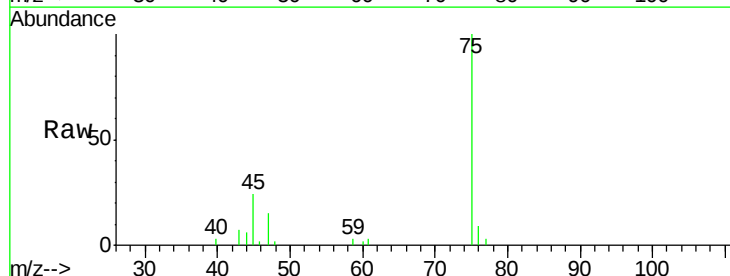
Instrument :
MSVOA_D
ClientSampleId :
REACTOR-PAD

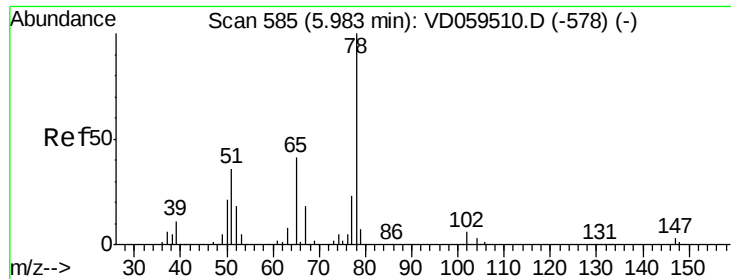
Tot Ion: 84 Resp: 39889
Ion Ratio Lower Upper
84 100
49 184.2 152.2 228.2
51 50.0 46.5 69.7
86 64.1 52.5 78.7



#25
2-Butanone
Concen: 2.751 ug/l
RT: 4.82 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059521.D
Acq: 3 Jul 2018 00:43

Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.00 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

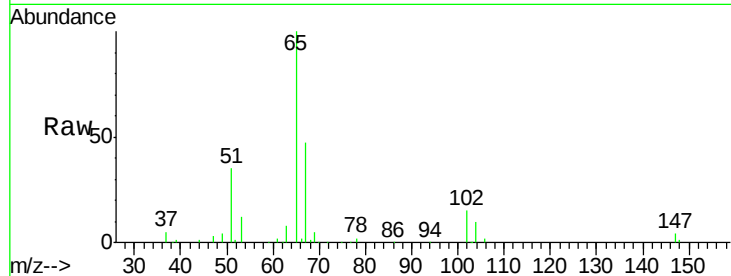
REACTOR-PAD

Tot Ion: 65 Resp: 311612

Ion Ratio Lower Upper

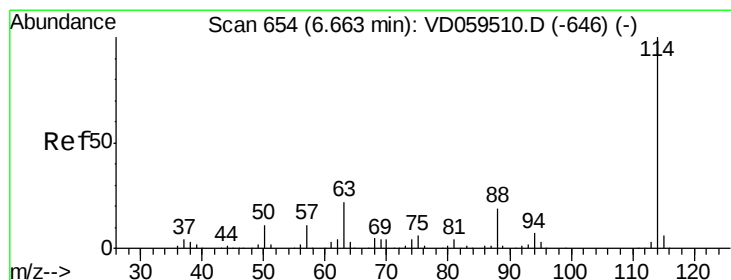
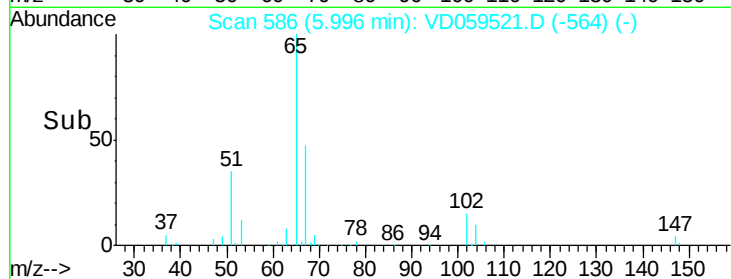
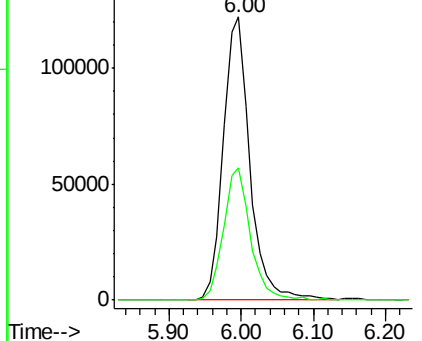
65 100

67 46.6 0.0 90.2



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: 6.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

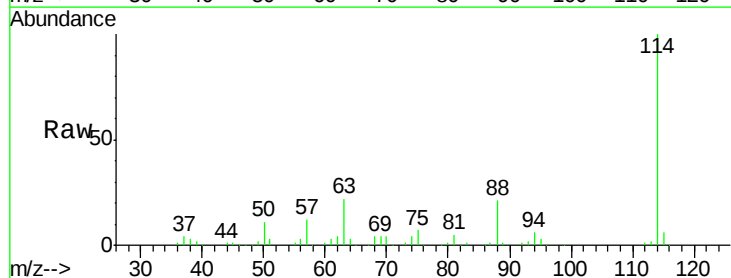
Tgt Ion: 114 Resp: 625216

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

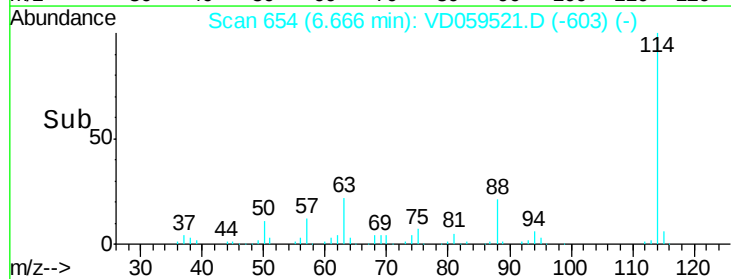
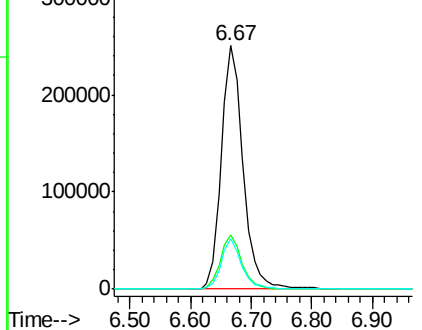
88 20.5 0.0 37.8

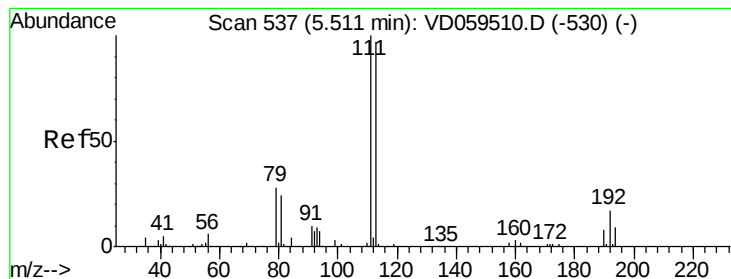


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

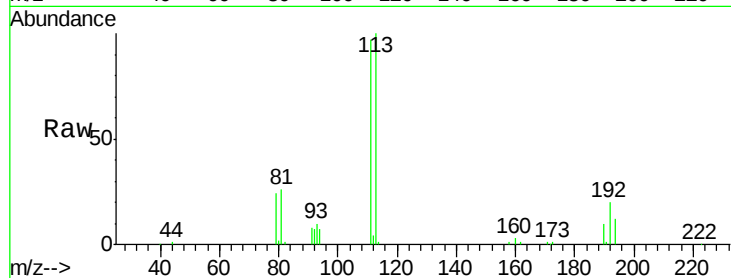
Tot Ion:113 Resp: 208085

Ion Ratio Lower Upper

113 100

111 96.8 82.7 124.1

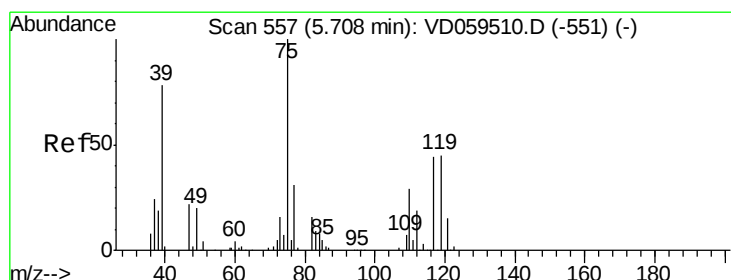
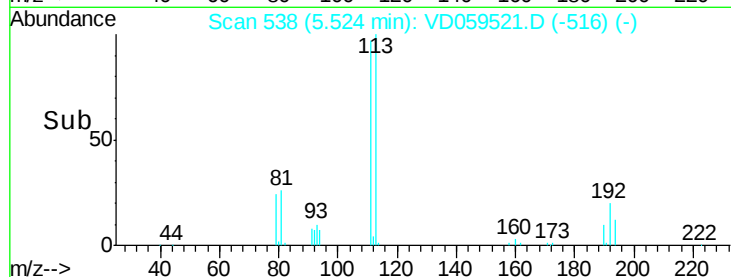
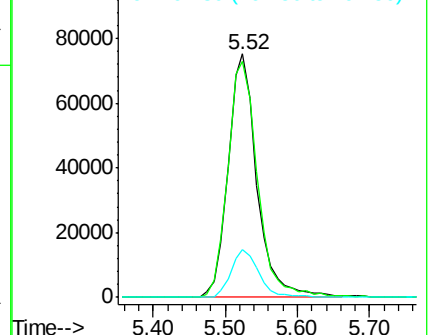
192 19.6 14.2 21.2



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: 5.964 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.10 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

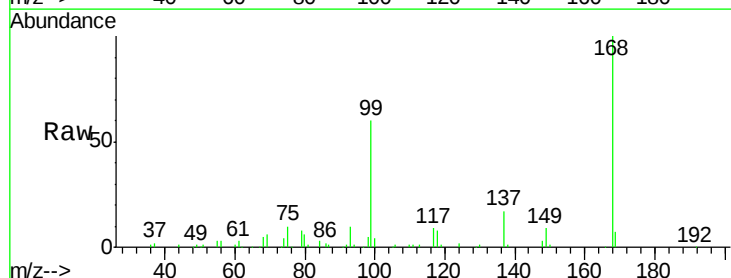
Tgt Ion: 75 Resp: 40041

Ion Ratio Lower Upper

75 100

110 6.1 14.4 43.4#

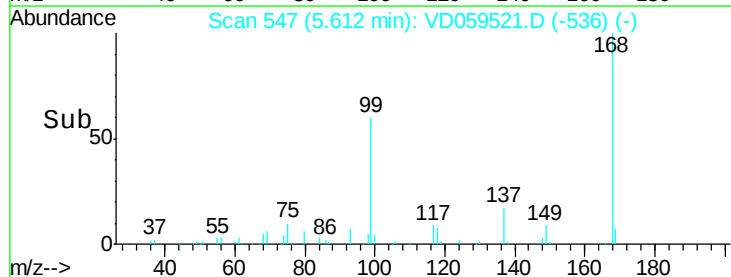
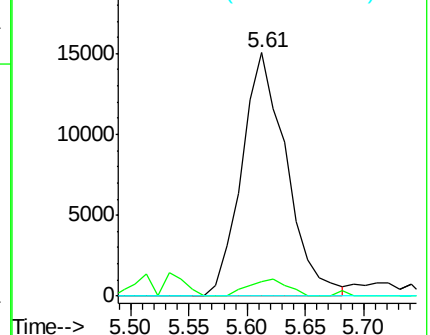
77 0.0 25.0 37.6#

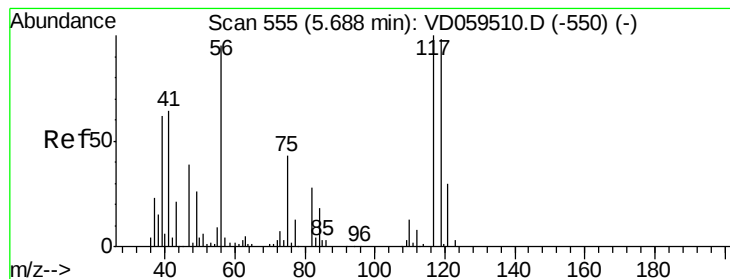


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.976 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.08 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

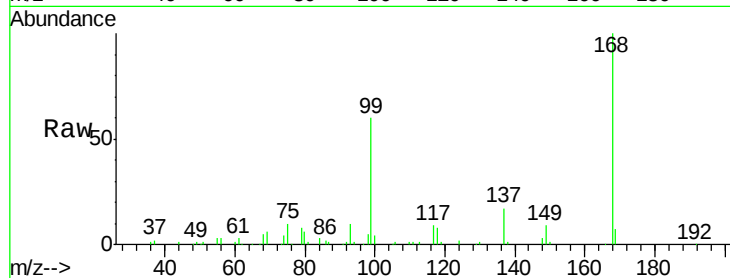
Tot Ion:117 Resp: 39437

Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

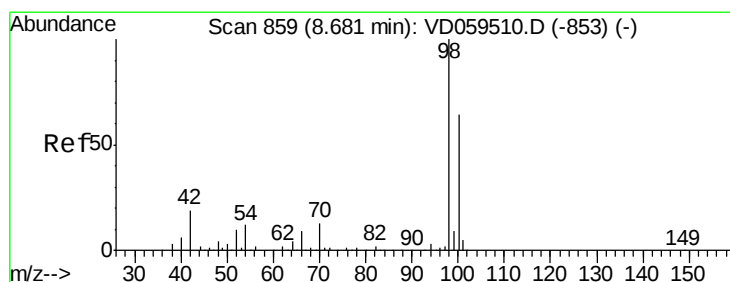
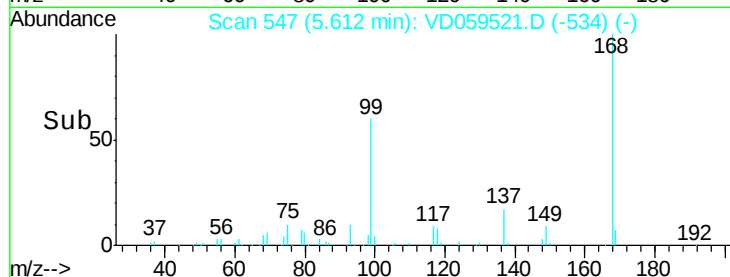
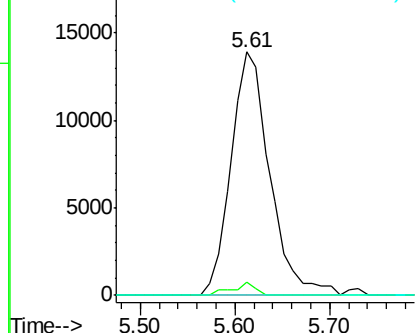
121 0.0 23.9 35.9#



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: 8.68 min Scan# 859

Delta R.T. 0.00 min

Lab File: VD059521.D

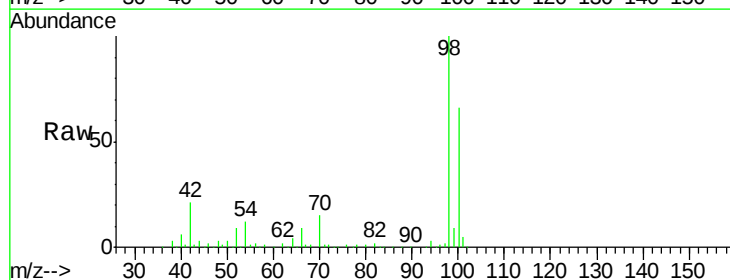
Acq: 3 Jul 2018 00:43

Tgt Ion: 98 Resp: 613251

Ion Ratio Lower Upper

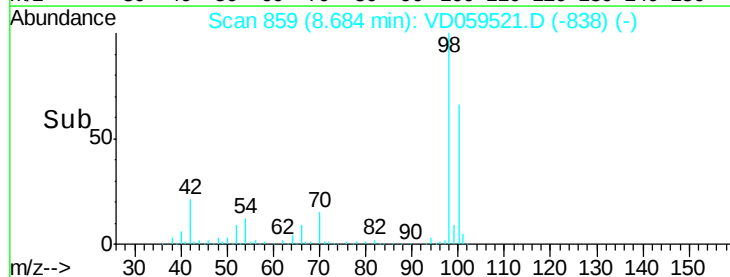
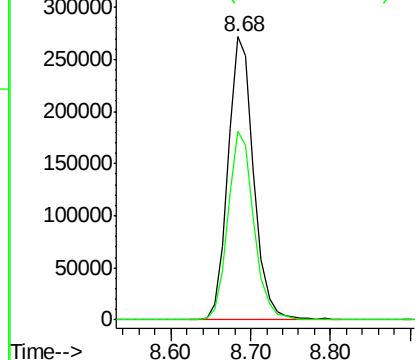
98 100

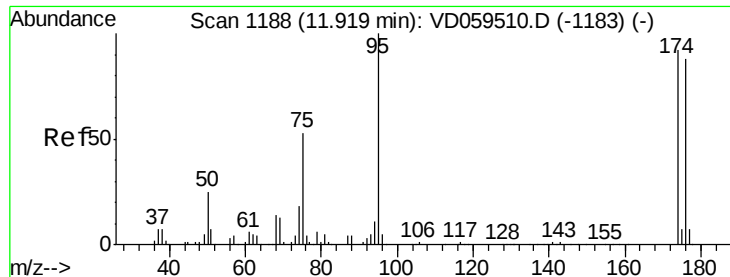
100 66.4 51.8 77.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

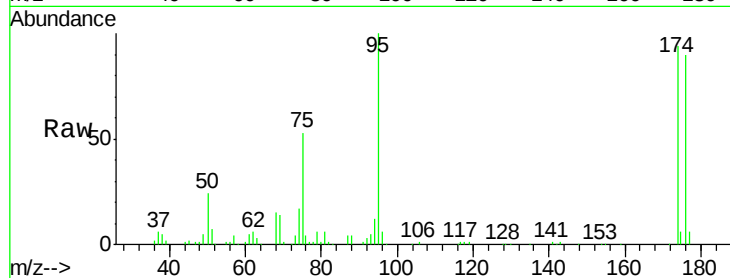
Tot Ion: 95 Resp: 260917

Ion Ratio Lower Upper

95 100

174 94.4 0.0 183.0

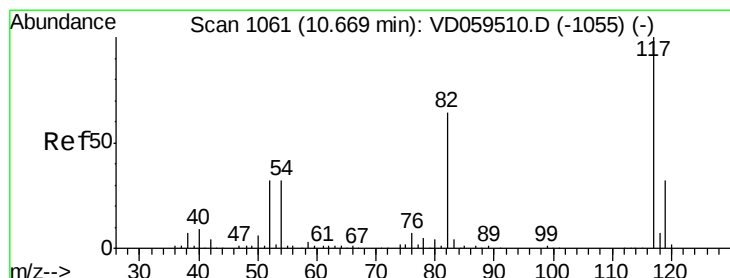
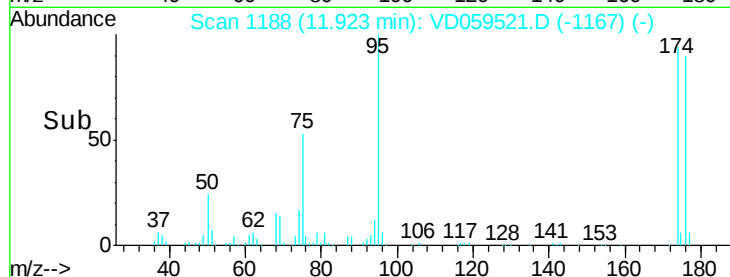
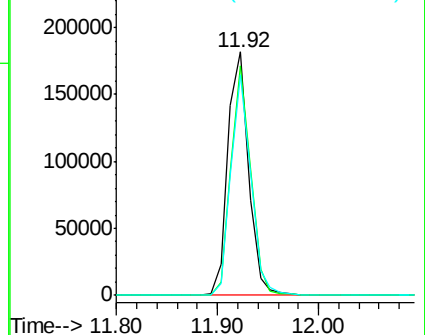
176 90.5 0.0 176.6



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: 10.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

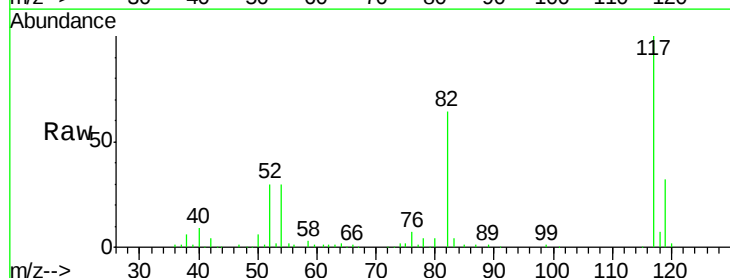
Tgt Ion: 117 Resp: 491889

Ion Ratio Lower Upper

117 100

82 64.4 51.1 76.7

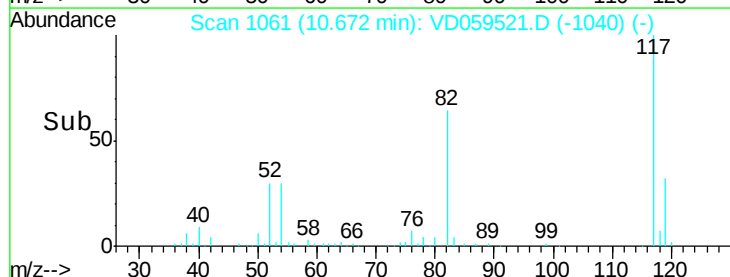
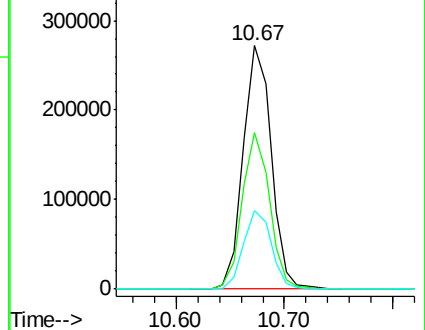
119 32.2 25.6 38.4

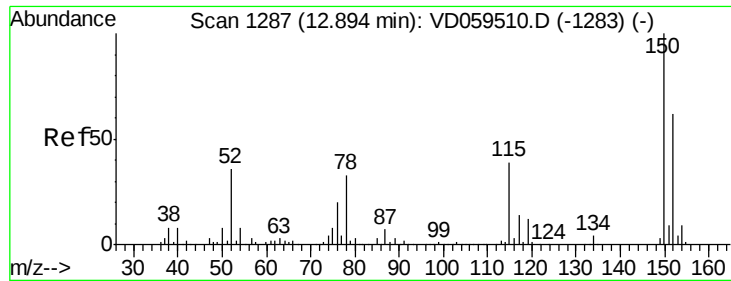


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

Instrument :

MSVOA_D

ClientSampleId :

REACTOR-PAD

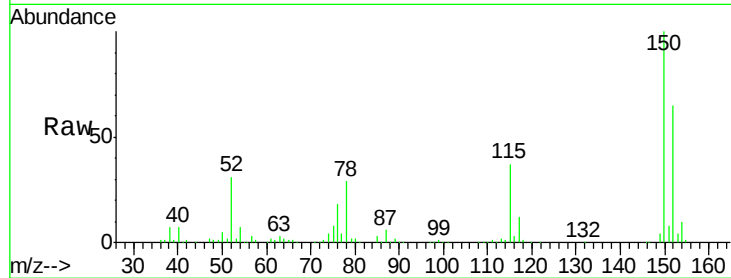
Tot Ion:152 Resp: 241475

Ion Ratio Lower Upper

152 100

115 57.6 31.3 93.9

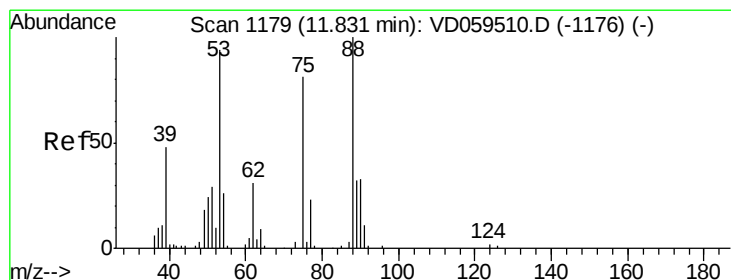
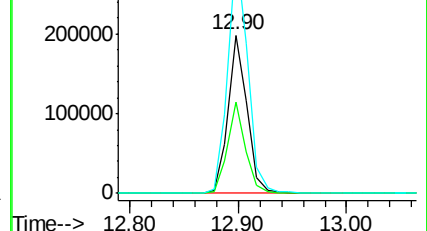
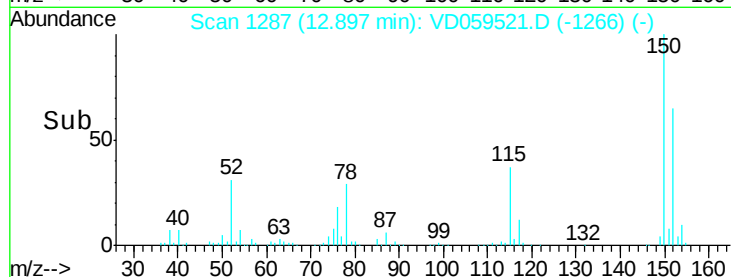
150 154.2 0.0 323.6



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: 133.175 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.09 min

Lab File: VD059521.D

Acq: 3 Jul 2018 00:43

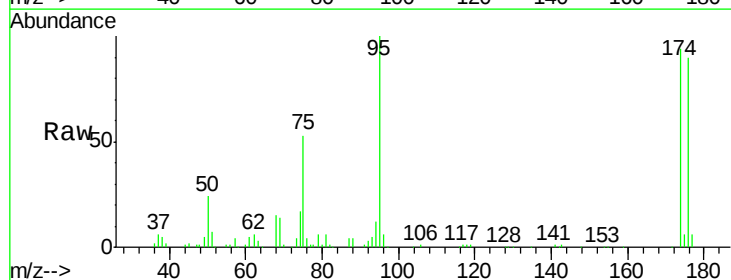
Tgt Ion: 75 Resp: 142043

Ion Ratio Lower Upper

75 100

53 0.0 92.6 139.0#

89 0.0 31.5 47.3#



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

