

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058057.D
 Acq On : 9 Jun 2018 11:33
 Operator : VA/AP
 Sample : J3377-04RE
 Misc : 6.45g/5ml/MSVOA D/SOIL
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:08:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	667465	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	918985	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	731430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	356981	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	366610	54.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.88%	
35) Dibromofluoromethane	5.53	113	370323	52.08	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.16%	
50) Toluene-d8	8.69	98	884130	52.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.92	95	377498	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	

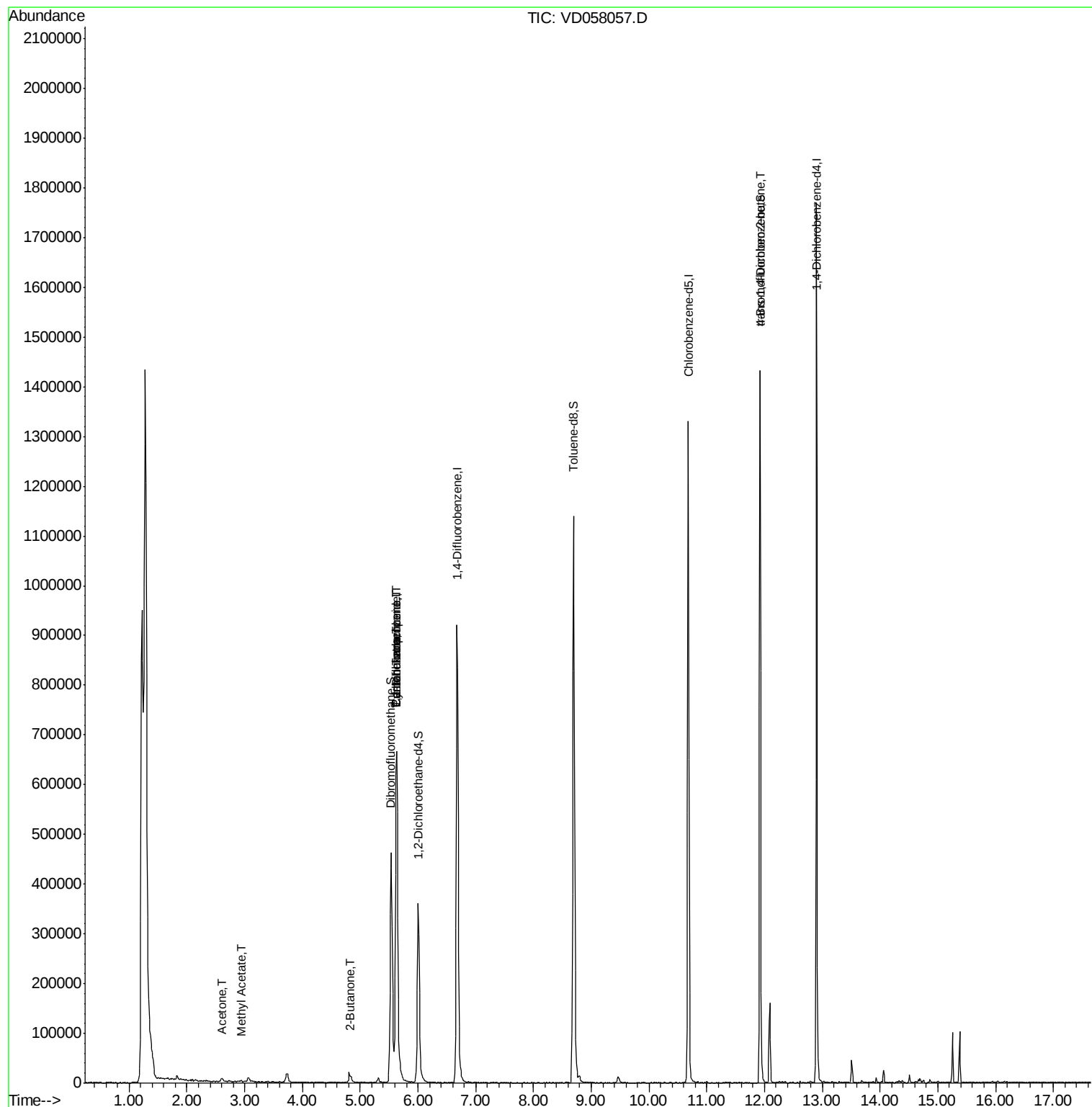
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	14145	14.713	ug/l #	85
18) Methyl Acetate	2.93	43	2106	1.132	ug/l #	66
20) Methylene Chloride	3.06	84	3771	Below Cal	#	83
25) 2-Butanone	4.82	43	6032	2.761	ug/l #	64
31) Cyclohexane	5.63	56	17256	1.487	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	57302	5.660	ug/l #	52
38) Carbon Tetrachloride	5.63	117	57127	5.725	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	179524	135.166	ug/l #	6
82) 4-Chlorotoluene	12.32	91	519	Below Cal	#	50
89) n-Butylbenzene	13.19	91	241	Below Cal	#	30

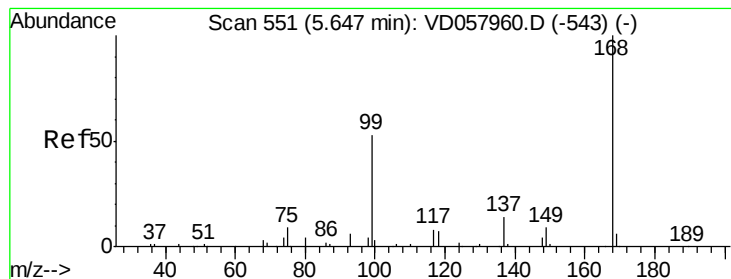
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058057.D

Acq: 9 Jun 2018 11:33

Instrument :

MSVOA_D

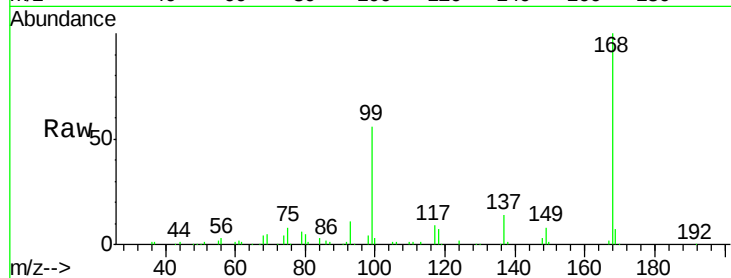
ClientSampleId :

Tot Ion:168 Resp: 667465

Ion Ratio Lower Upper

168 100

99 56.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

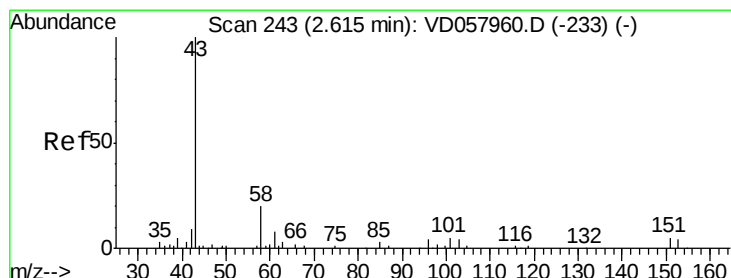
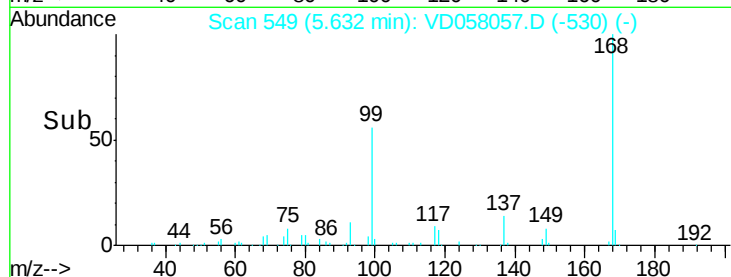
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 14.713 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058057.D

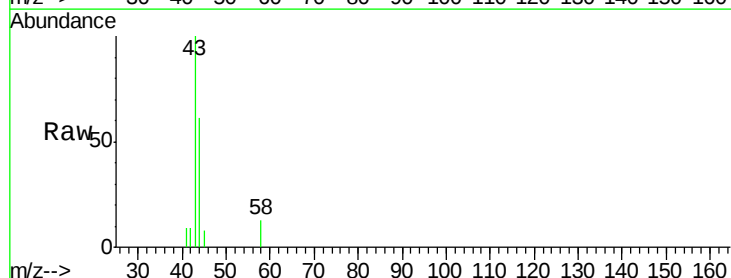
Acq: 9 Jun 2018 11:33

Tgt Ion: 43 Resp: 14145

Ion Ratio Lower Upper

43 100

58 12.9 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

5000

4000

3000

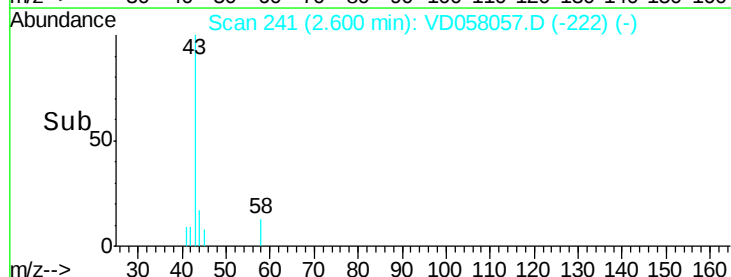
2000

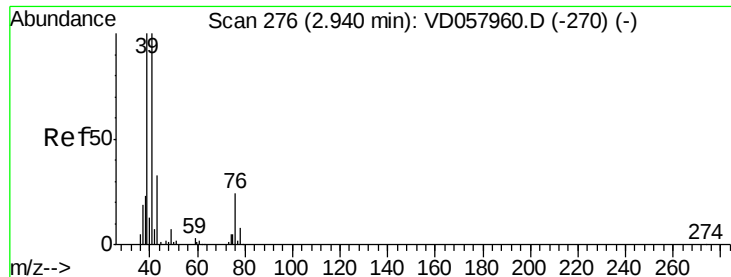
1000

0

Time-->

2.50 2.60 2.70

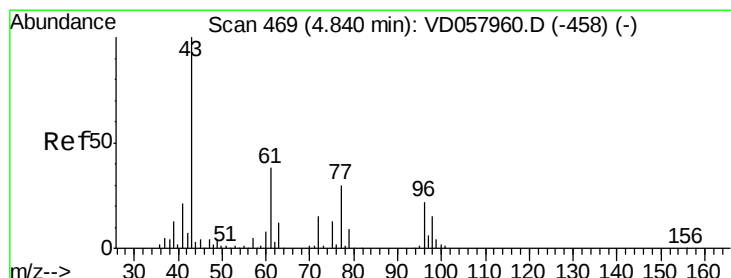
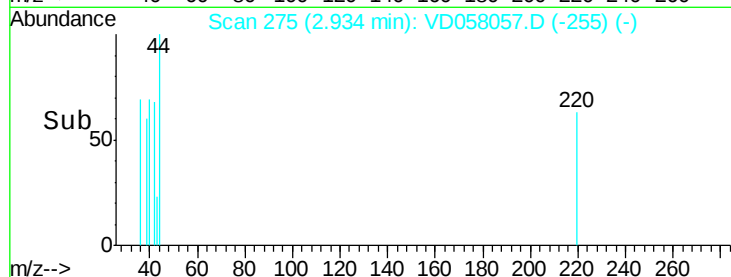
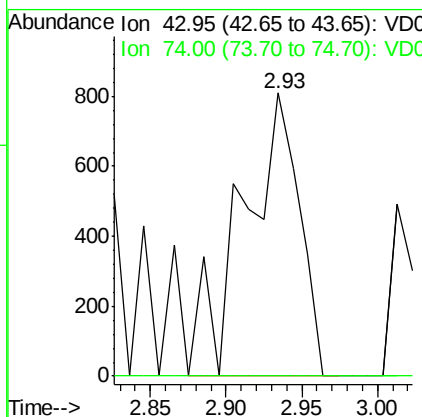
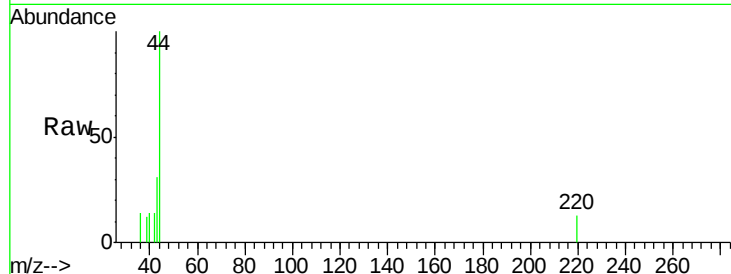




#18
Methvl Acetate
Concen: 1.132 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

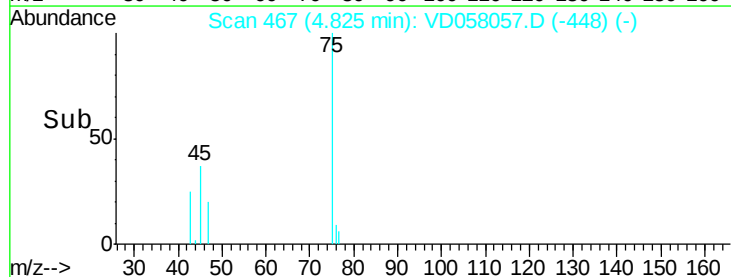
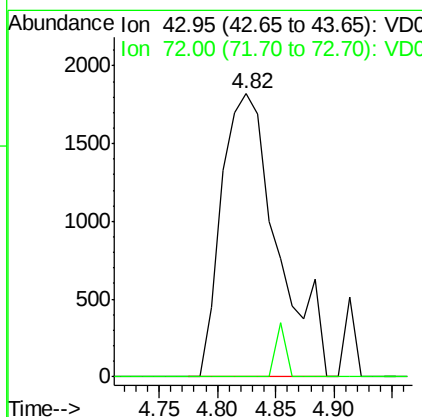
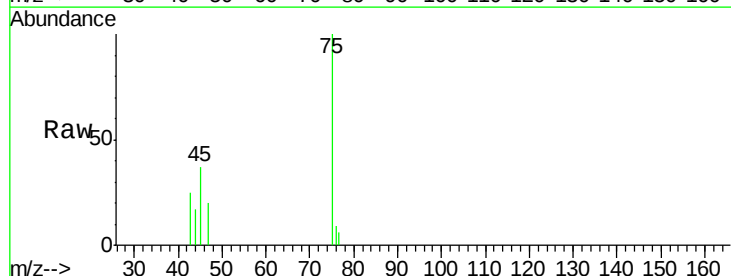
Instrument :
MSVOA_D
ClientSampleId :

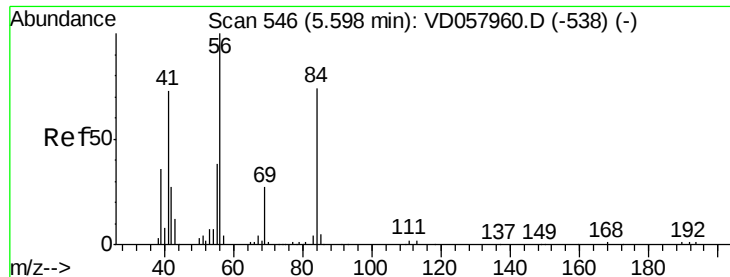
Tot Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 2.761 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Tgt Ion: 43 Resp: 6032
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#

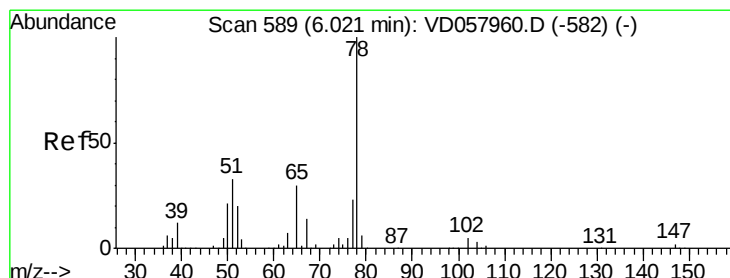
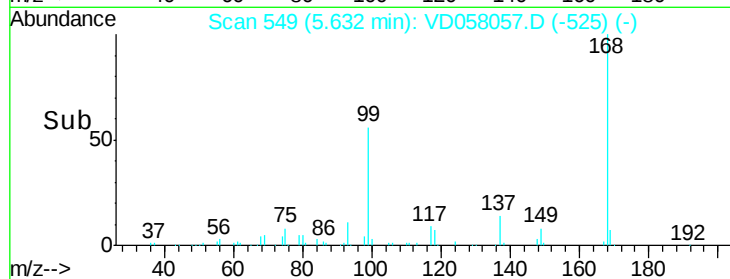
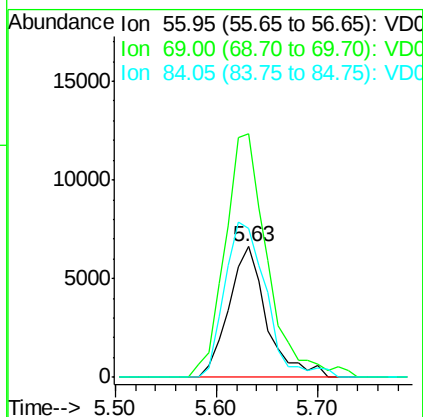
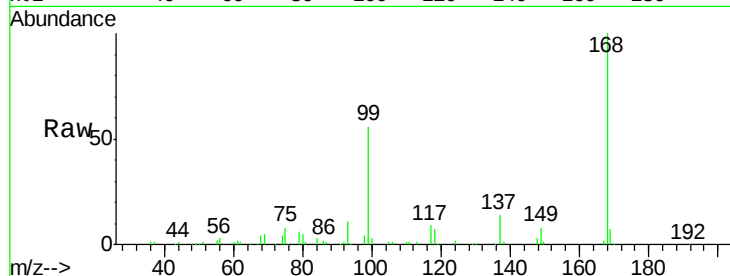




#31
Cyclohexane
Concen: 1.487 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

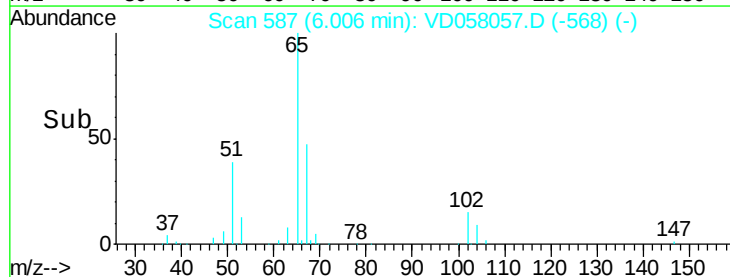
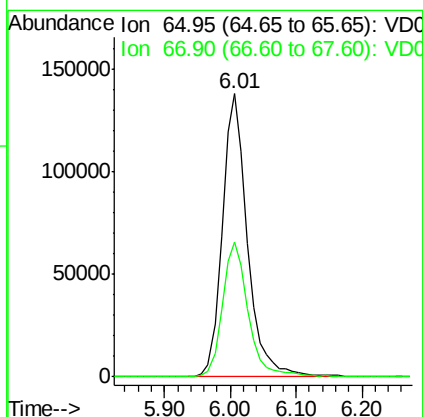
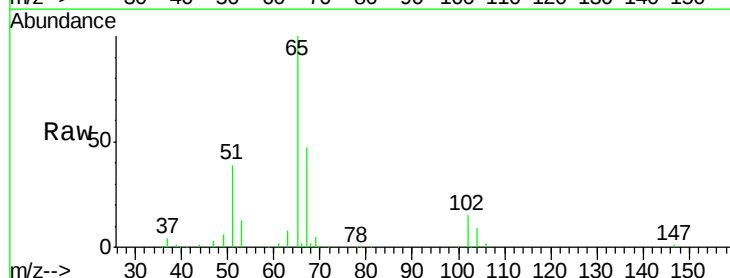
Instrument :
MSVOA_D
ClientSampleId :

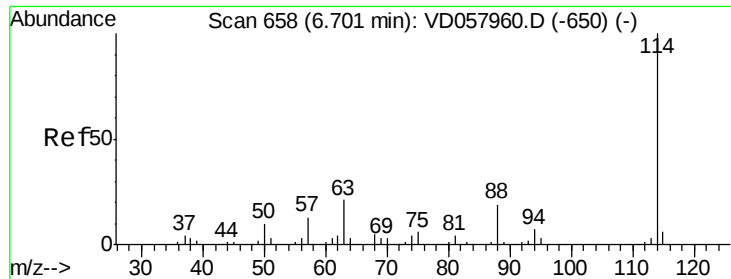
Tot Ion: 56 Resp: 17256
Ion Ratio Lower Upper
56 100
69 186.2 21.5 32.3#
84 113.8 61.0 91.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Tgt Ion: 65 Resp: 366610
Ion Ratio Lower Upper
65 100
67 47.5 0.0 94.0

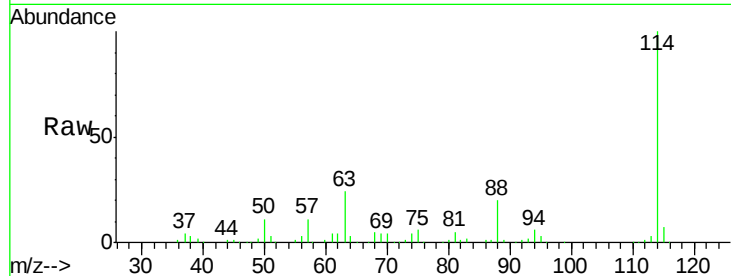




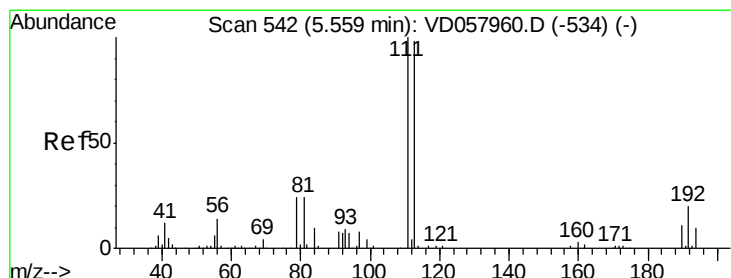
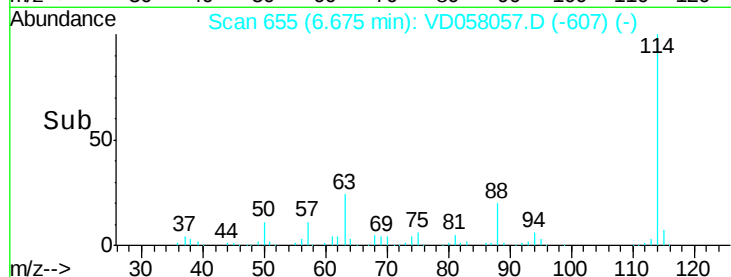
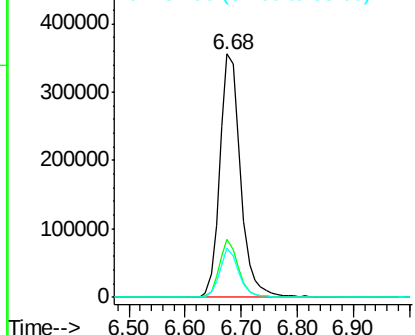
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD058057.D
 Acq: 9 Jun 2018 11:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 918985
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 42.8
 88 20.0 0.0 37.8

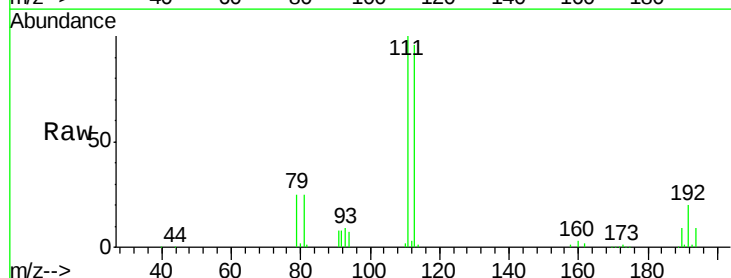


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

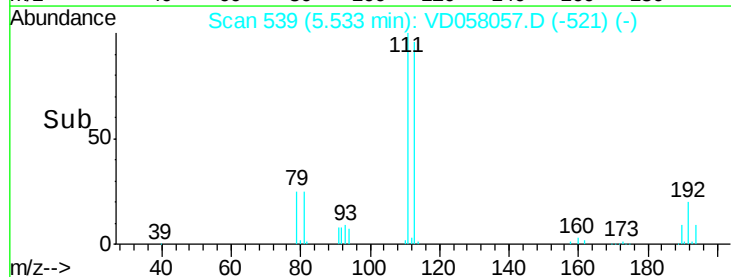
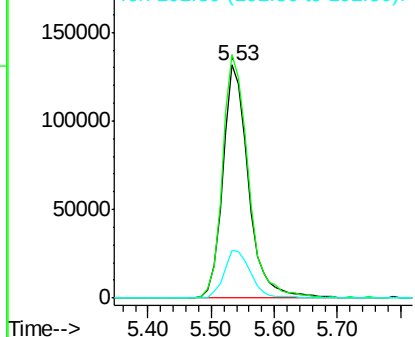


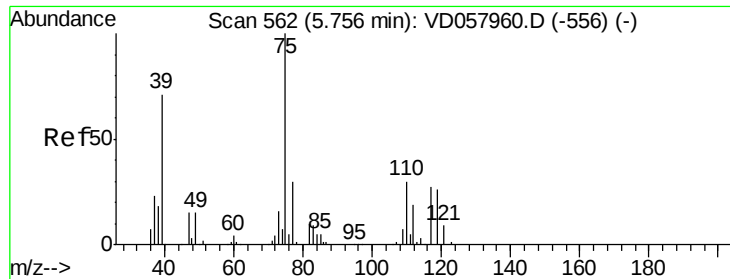
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD058057.D
 Acq: 9 Jun 2018 11:33

Tgt Ion:113 Resp: 370323
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.5 122.3
 192 20.6 16.4 24.6



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: 5.660 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD058057.D

Acq: 9 Jun 2018 11:33

Instrument :
MSVOA_D
ClientSampleId :

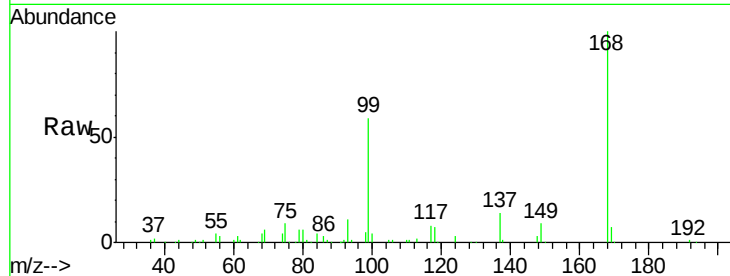
Tot Ion: 75 Resp: 57302

Ion Ratio Lower Upper

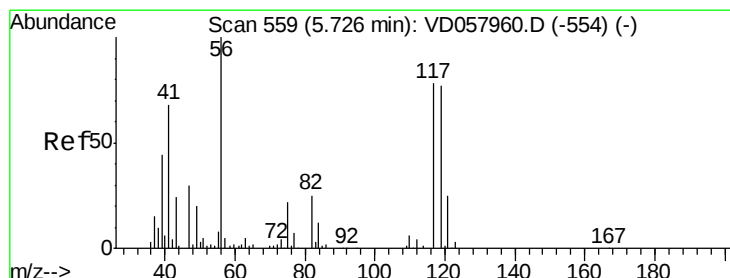
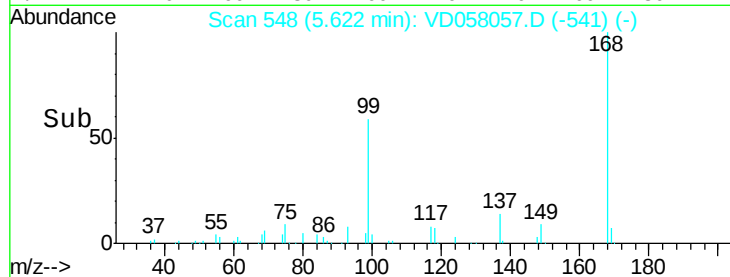
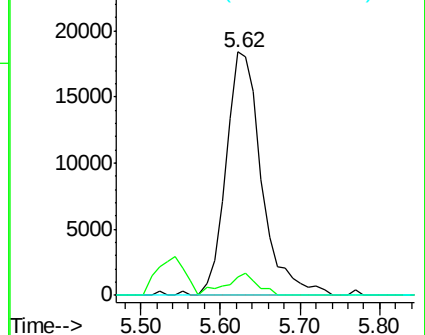
75 100

110 7.7 14.8 44.3#

77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058057.D

Acq: 9 Jun 2018 11:33

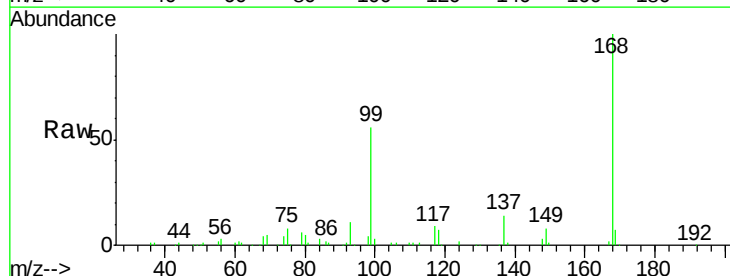
Tgt Ion: 117 Resp: 57127

Ion Ratio Lower Upper

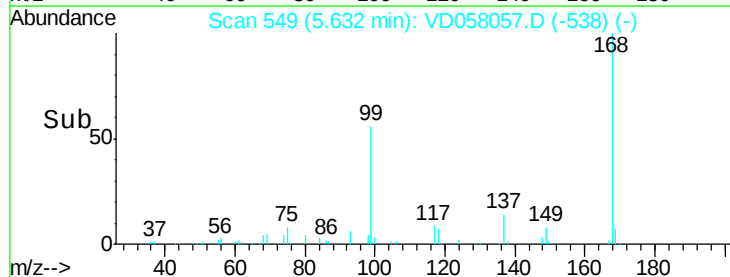
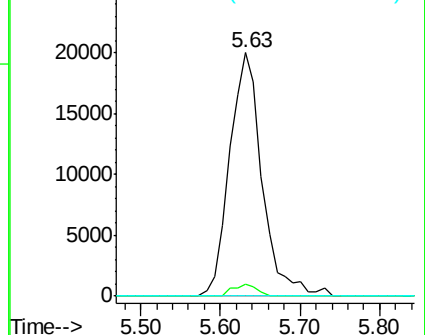
117 100

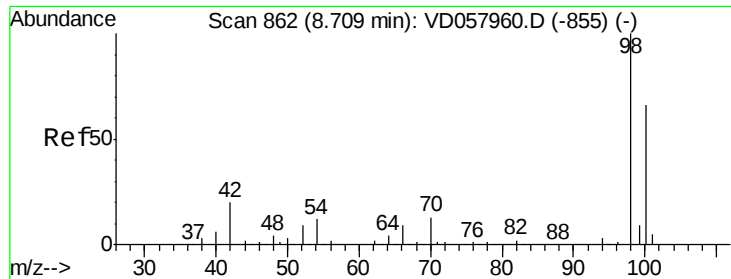
119 5.1 76.1 114.1#

121 0.0 24.9 37.3#



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

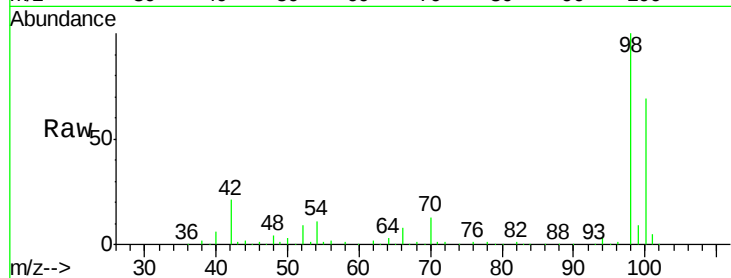




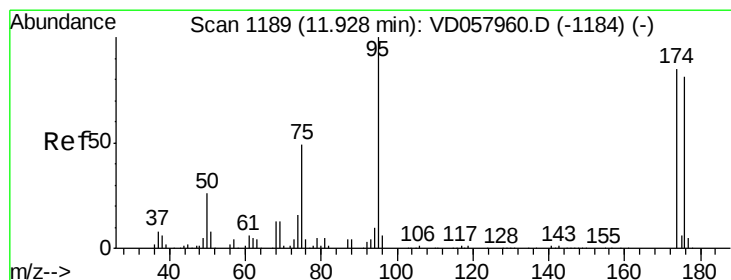
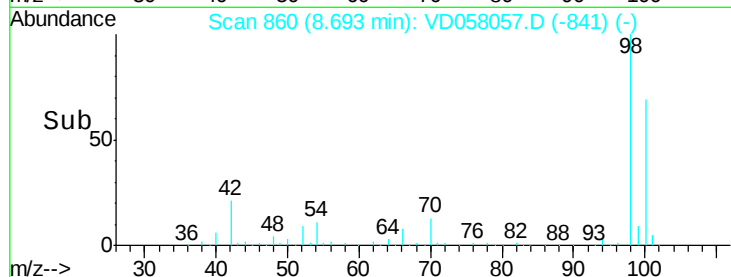
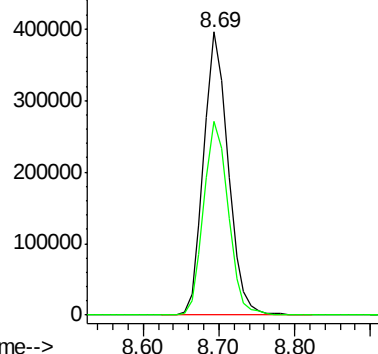
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 884130
Ion Ratio Lower Upper
98 100
100 68.6 53.4 80.0

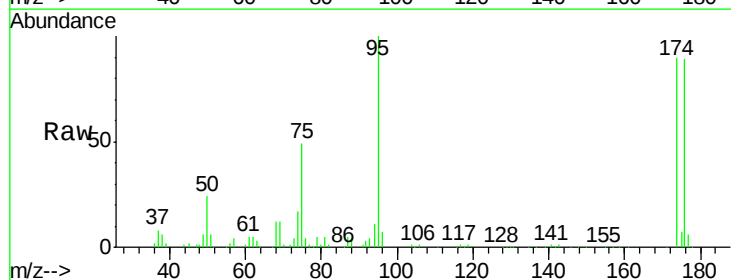


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

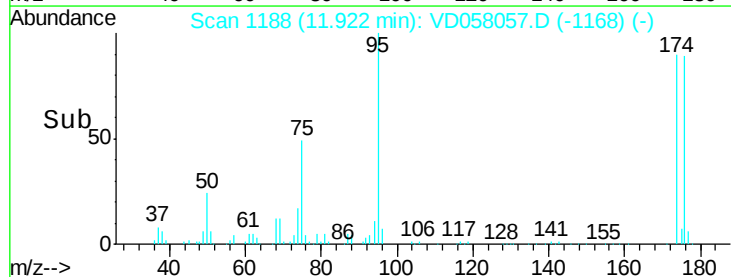
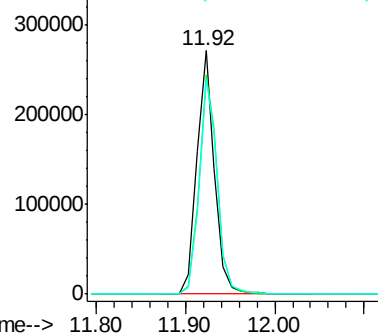


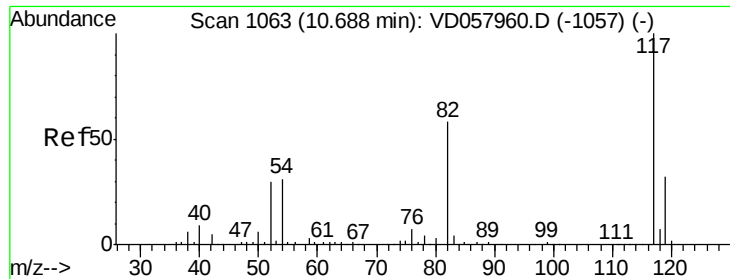
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Tgt Ion: 95 Resp: 377498
Ion Ratio Lower Upper
95 100
174 89.9 0.0 169.4
176 88.5 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

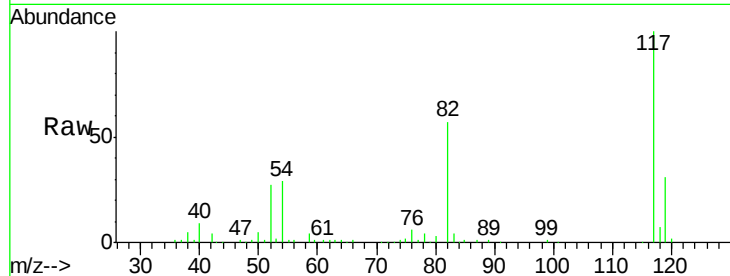




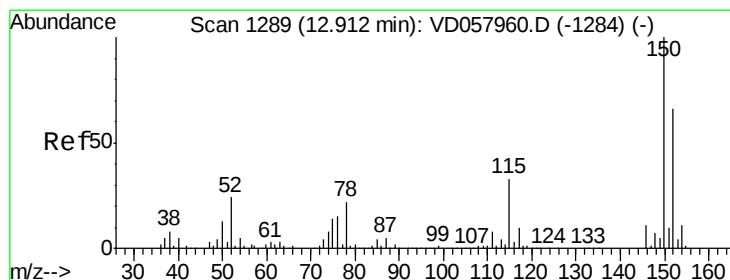
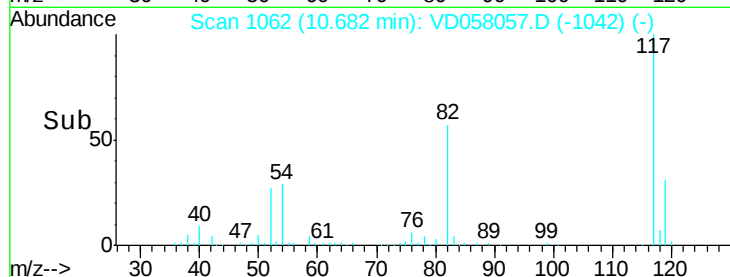
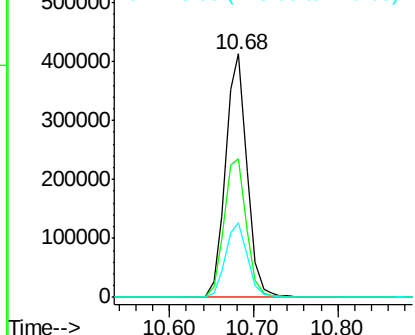
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 731430
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 30.7 25.8 38.6

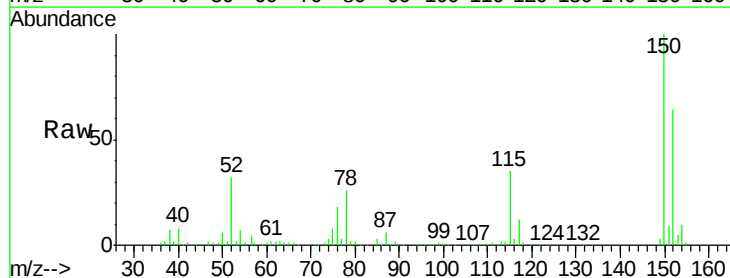


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

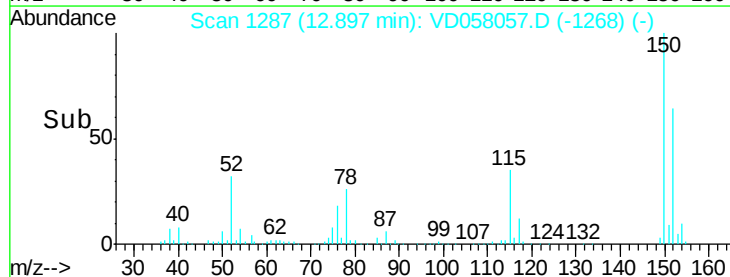
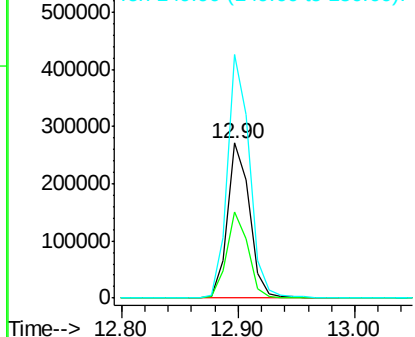


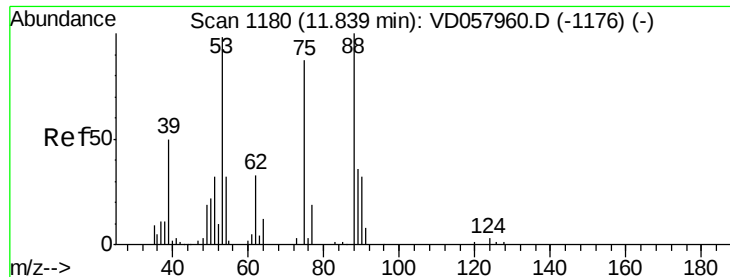
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VD058057.D
Acq: 9 Jun 2018 11:33

Tgt Ion:152 Resp: 356981
Ion Ratio Lower Upper
152 100
115 55.9 25.6 76.6
150 157.4 0.0 306.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 135.166 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058057.D

Acq: 9 Jun 2018 11:33

Instrument :

MSVOA_D

ClientSampleId :

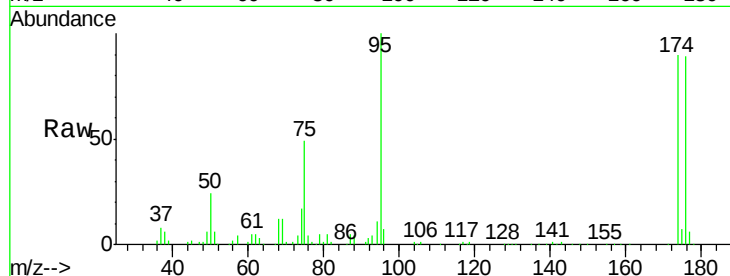
Tot Ion: 75 Resp: 179524

Ion Ratio Lower Upper

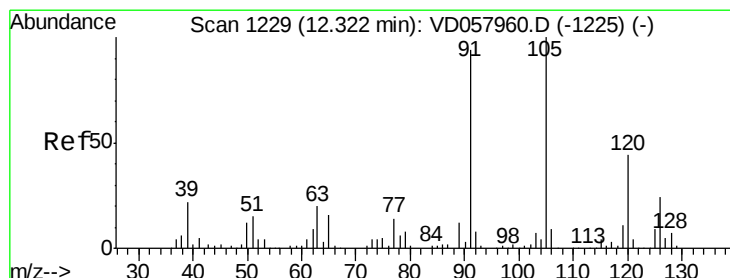
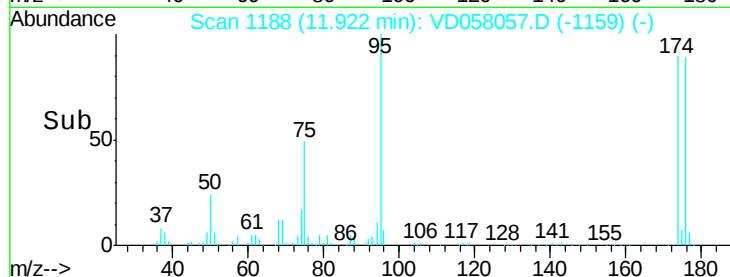
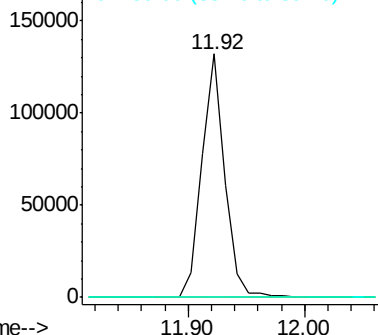
75 100

53 0.0 89.3 133.9#

89 0.0 33.3 49.9#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD058057.D

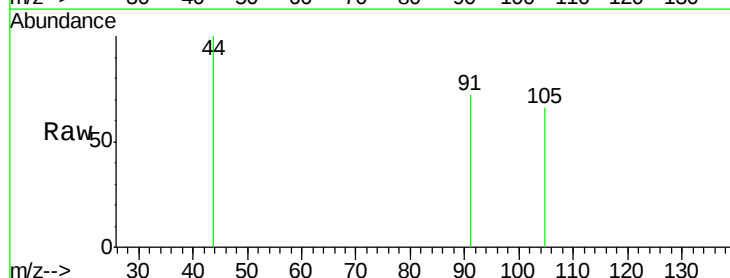
Acq: 9 Jun 2018 11:33

Tgt Ion: 91 Resp: 519

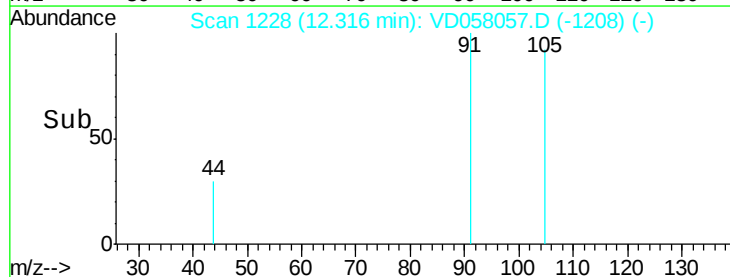
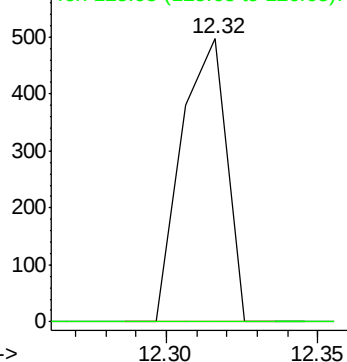
Ion Ratio Lower Upper

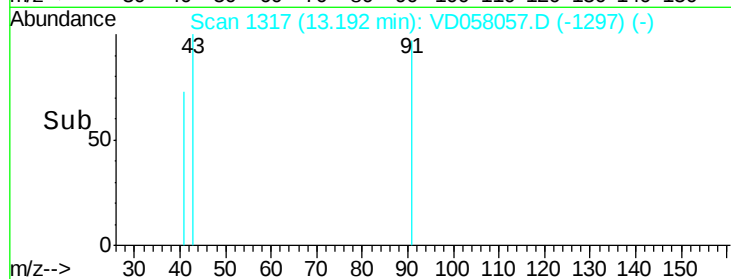
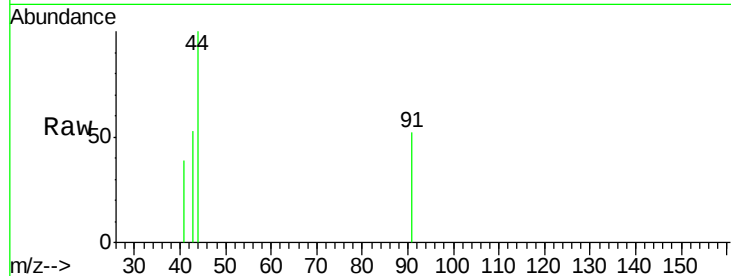
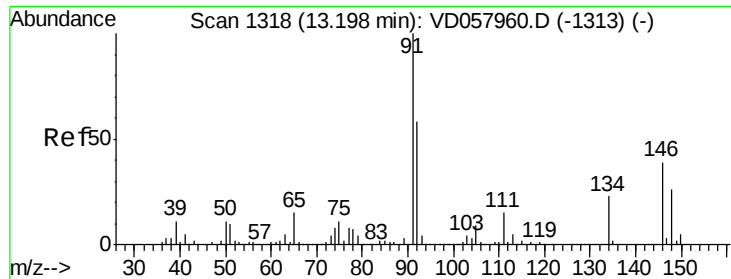
91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058057.D

Acq: 9 Jun 2018 11:33

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 91 Resp: 241

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 0.0 11.3 33.9#

