

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058032.D
 Acq On : 8 Jun 2018 21:56
 Operator : VA/AP
 Sample : J3377-08
 Misc : 5.44g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:58:06 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	605125	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	831324	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	636544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	298714	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	402617	66.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	133.10%	
35) Dibromofluoromethane	5.53	113	424047	65.93	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	131.86%	
50) Toluene-d8	8.69	98	933198	61.03	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	122.06%	
62) 4-Bromofluorobenzene	11.92	95	370106	55.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.96%	

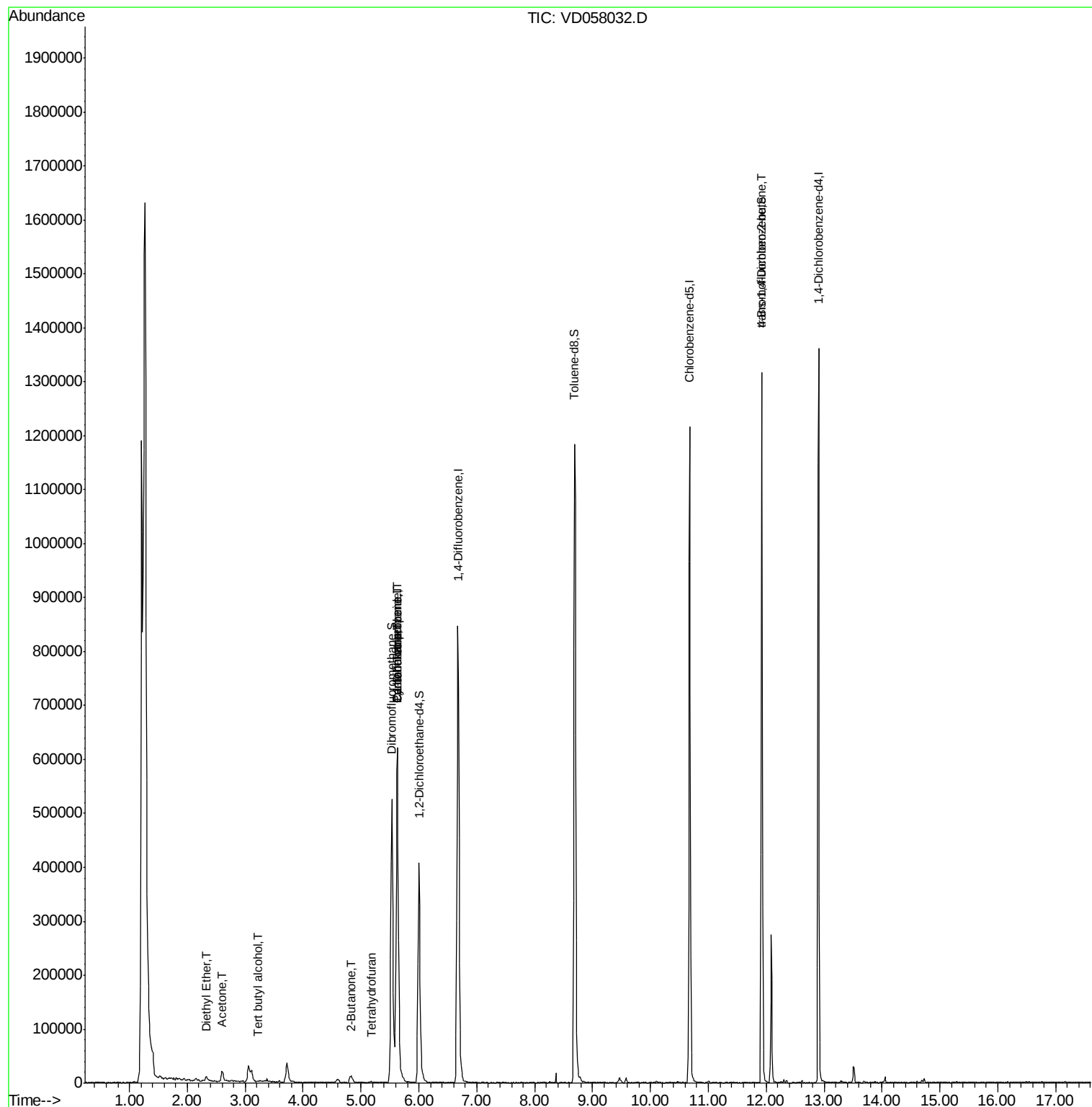
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.33	74	1438	1.463	ug/l	68
11) Tert butyl alcohol	3.23	59	3099	19.122	ug/l #	74
16) Acetone	2.60	43	38756	44.465	ug/l #	88
20) Methylene Chloride	3.06	84	13172	Below Cal	#	86
25) 2-Butanone	4.84	43	2488	1.256	ug/l #	64
29) Tetrahydrofuran	5.17	42	1460	1.406	ug/l #	55
31) Cyclohexane	5.62	56	15436	1.467	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	53305	5.820	ug/l #	52
38) Carbon Tetrachloride	5.63	117	52967	5.868	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	182794	164.473	ug/l #	6
82) 4-Chlorotoluene	12.32	91	690	Below Cal	#	50
89) n-Butylbenzene	13.19	91	225	Below Cal	#	30

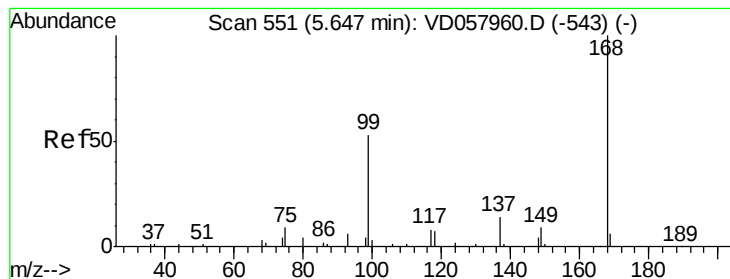
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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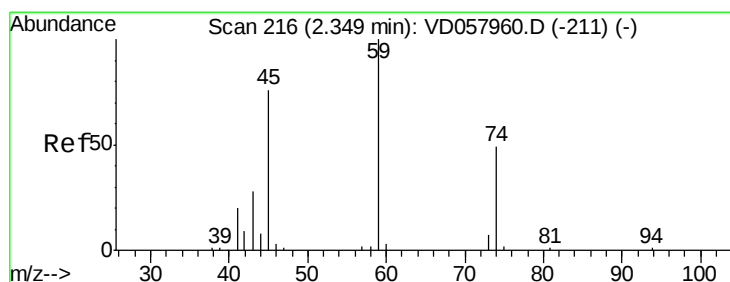
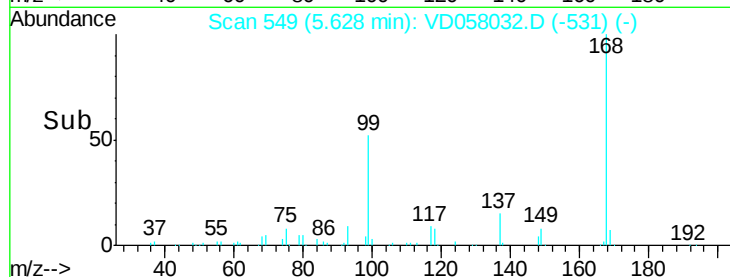
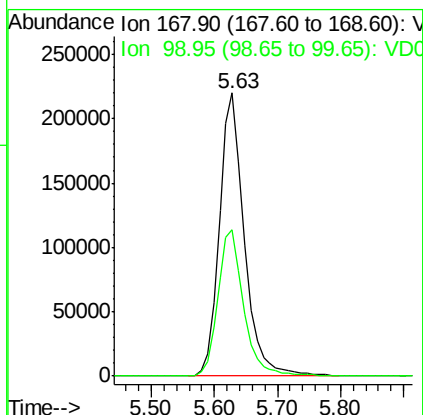
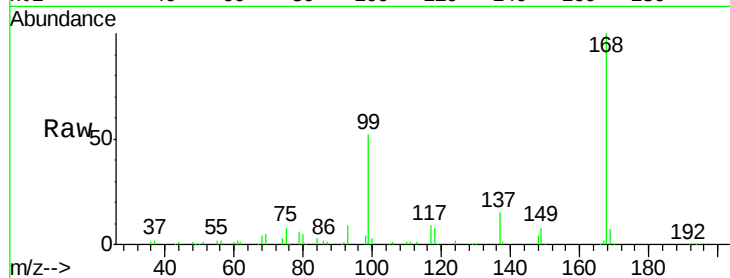




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.02 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

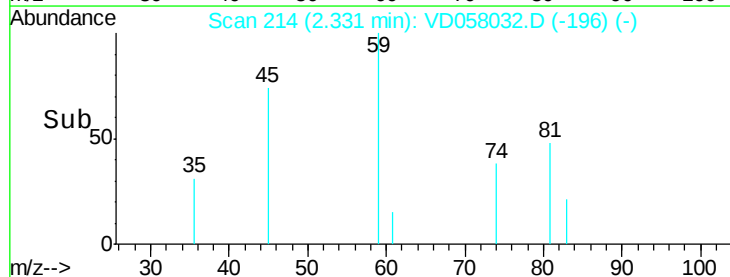
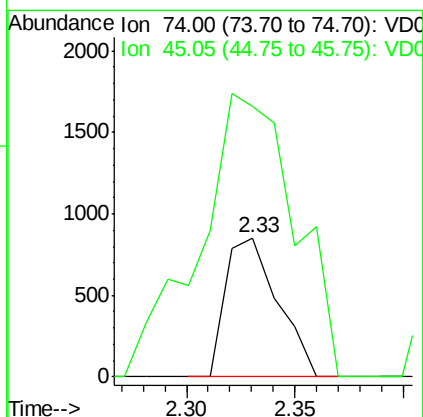
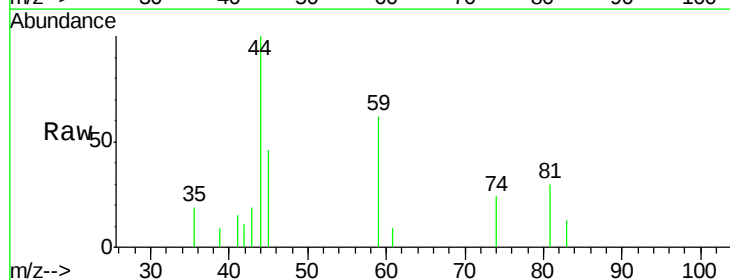
Instrument :
MSVOA_D
ClientSampleId :

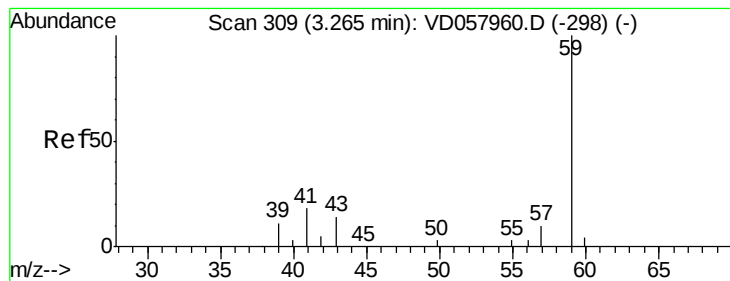
Tot Ion:168 Resp: 605125
Ion Ratio Lower Upper
168 100
99 51.8 46.8 70.2



#8
Diethyl Ether
Concen: 1.463 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.02 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

Tgt Ion: 74 Resp: 1438
Ion Ratio Lower Upper
74 100
45 195.2 77.1 231.3



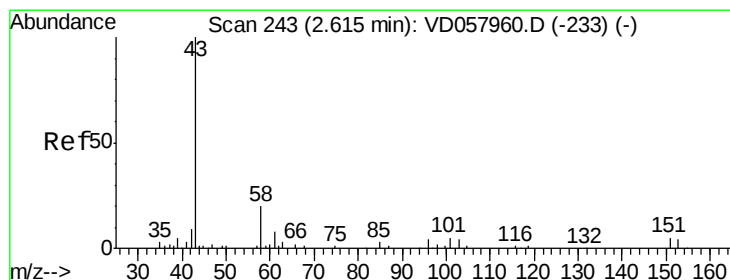
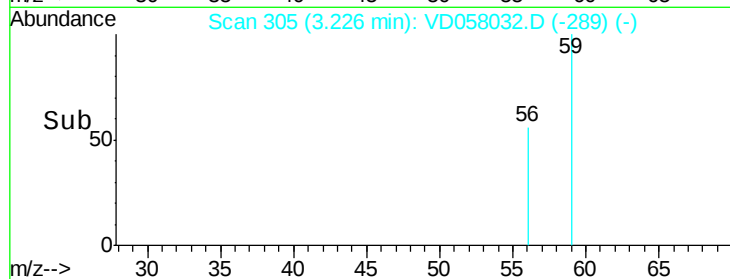
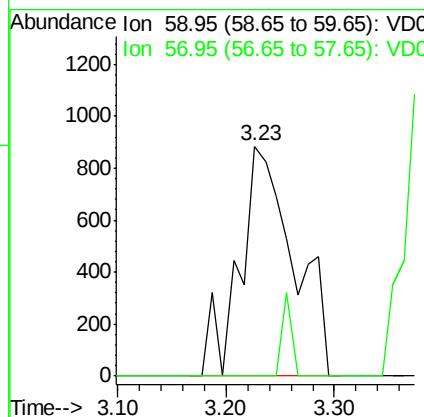
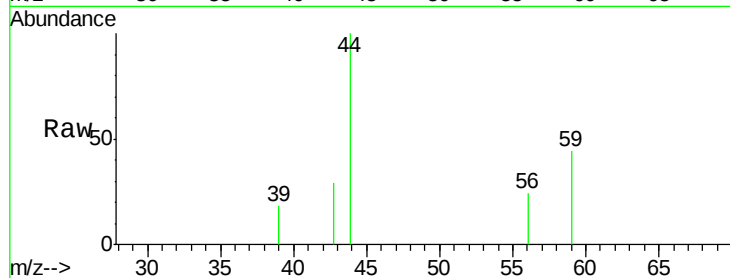


#11

Tert butyl alcohol
 Concen: 19.122 ug/l
 RT: 3.23 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VD058032.D
 Acq: 8 Jun 2018 21:56

Instrument :
 MSVOA_D
 ClientSampled :

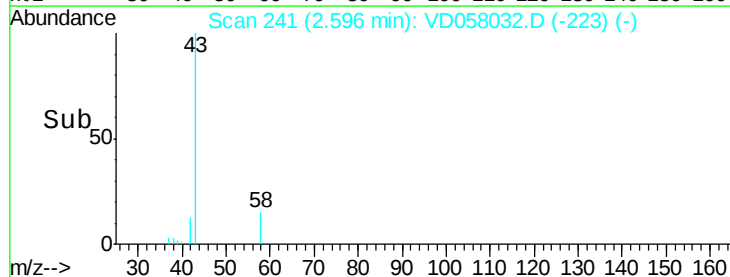
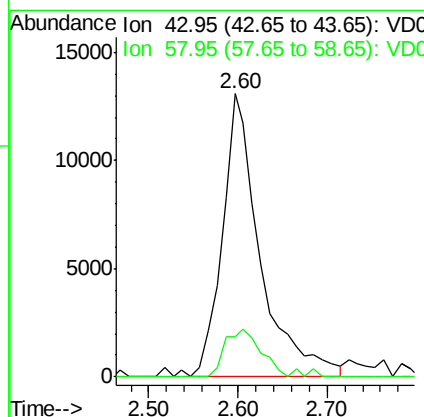
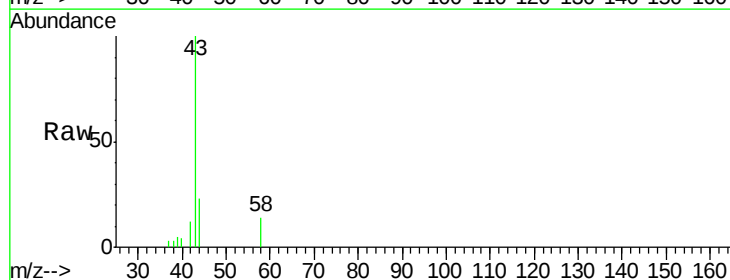
Tot Ion: 59 Resp: 3099
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

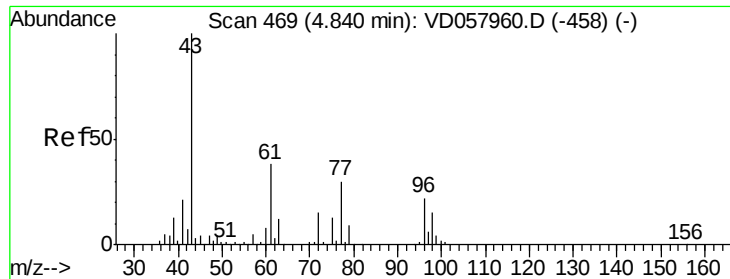


#16

Acetone
 Concen: 44.465 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD058032.D
 Acq: 8 Jun 2018 21:56

Tgt Ion: 43 Resp: 38756
 Ion Ratio Lower Upper
 43 100
 58 14.4 15.8 23.8#





#25

2-Butanone

Concen: 1.256 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

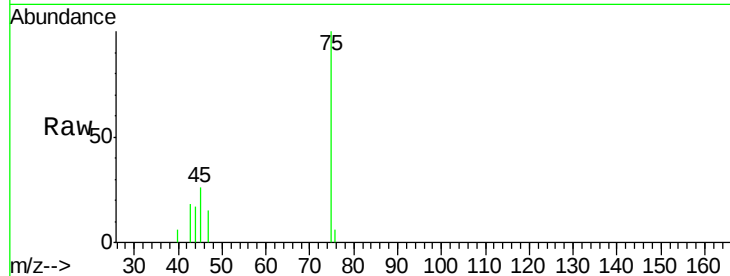
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2488

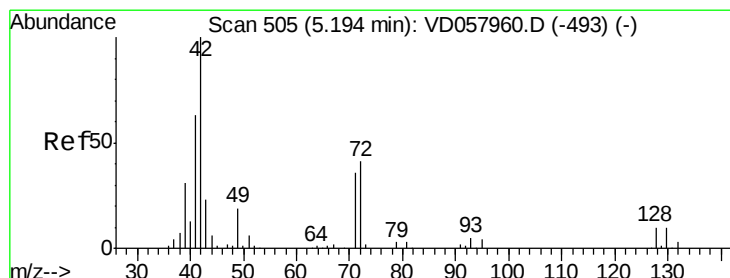
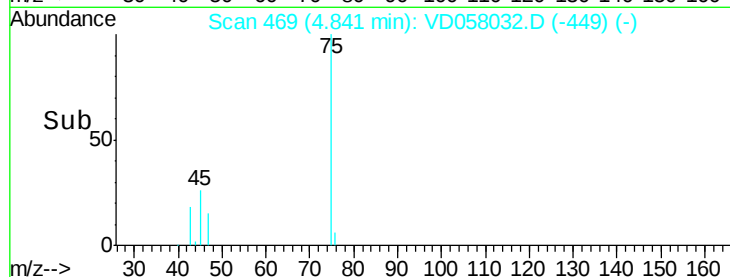
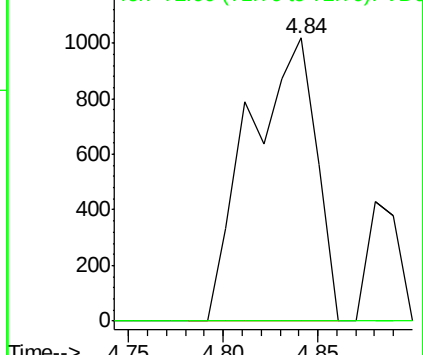
Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.406 ug/l

RT: 5.17 min Scan# 502

Delta R.T. -0.03 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

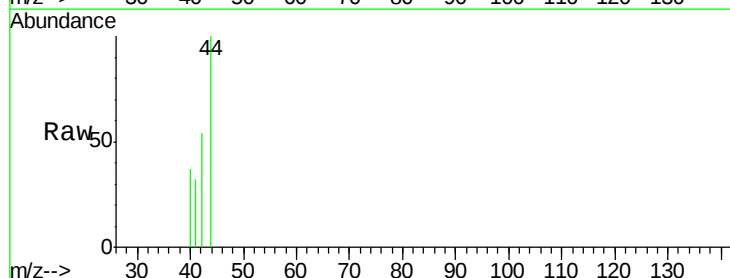
Tgt Ion: 42 Resp: 1460

Ion Ratio Lower Upper

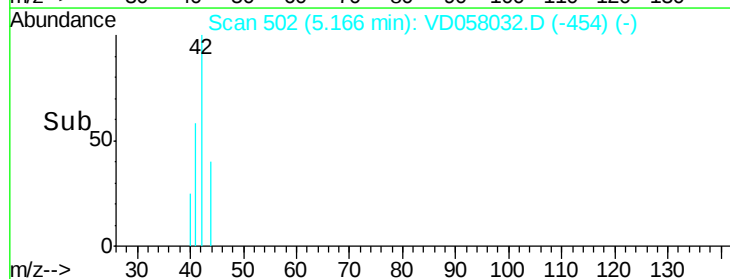
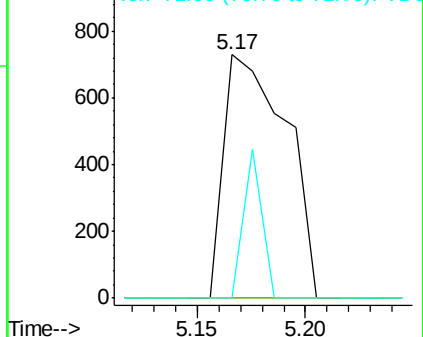
42 100

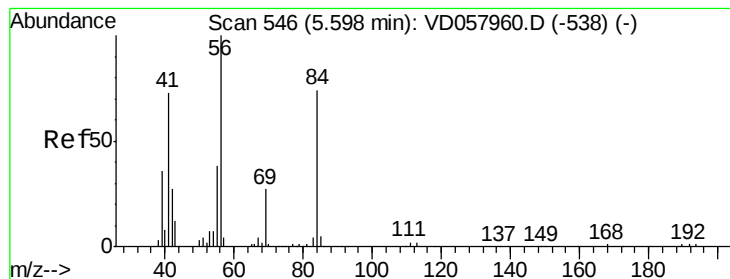
72 0.0 28.5 42.7#

71 18.0 27.9 41.9#



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: 1.467 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

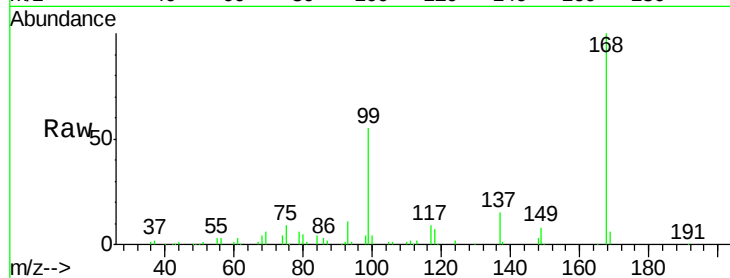
Tot Ion: 56 Resp: 15436

Ion Ratio Lower Upper

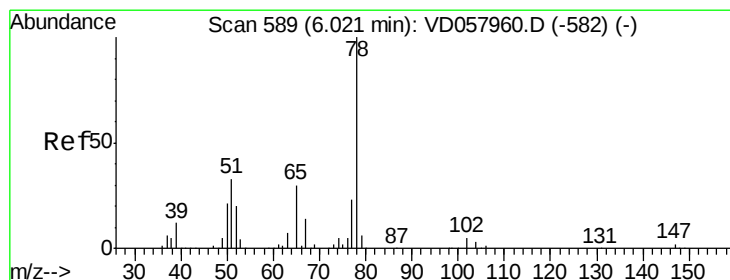
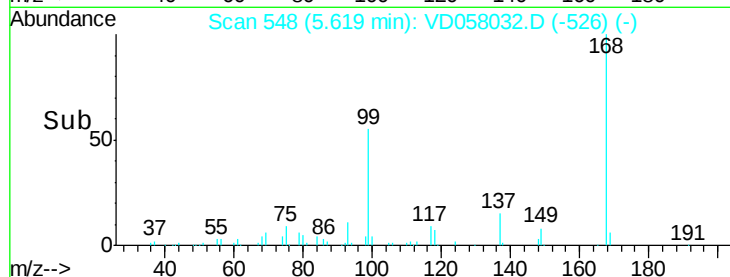
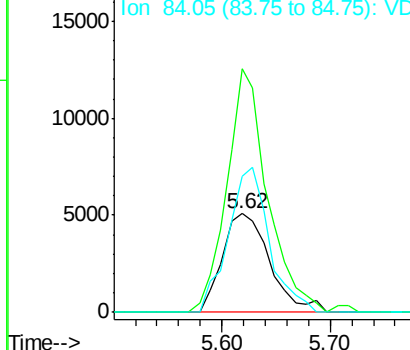
56 100

69 247.0 21.5 32.3#

84 138.1 61.0 91.6#



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: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058032.D

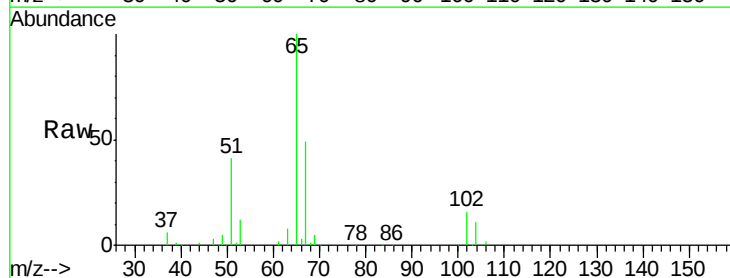
Acq: 8 Jun 2018 21:56

Tgt Ion: 65 Resp: 402617

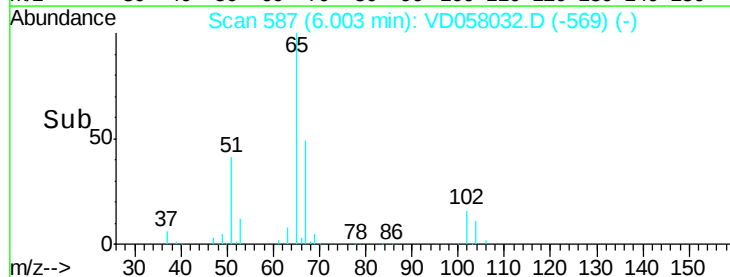
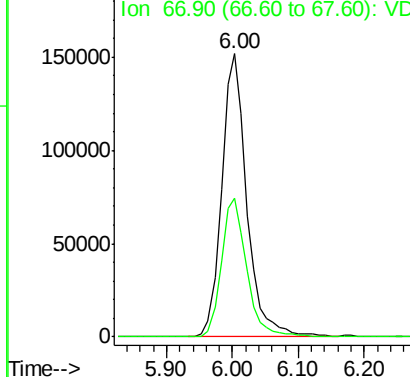
Ion Ratio Lower Upper

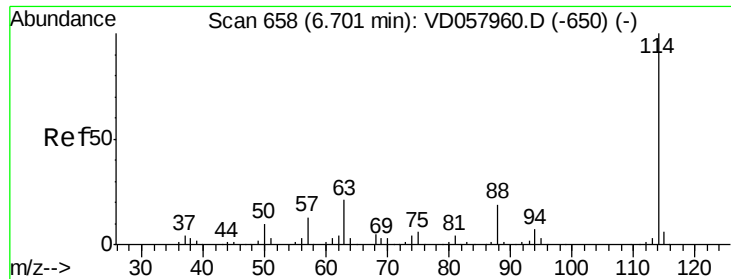
65 100

67 49.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

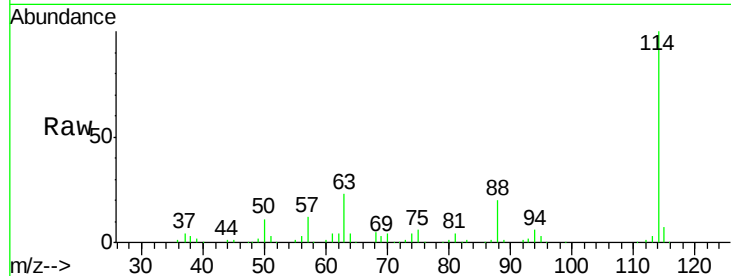




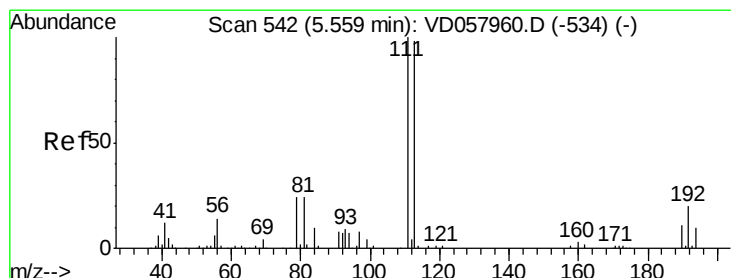
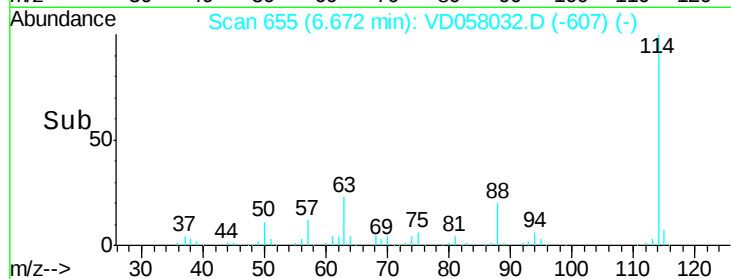
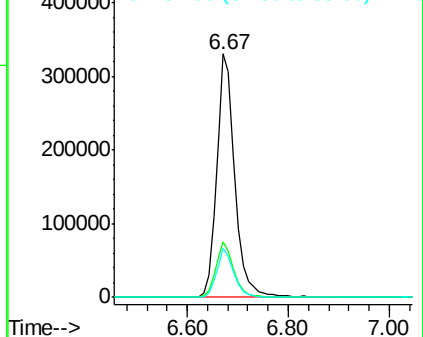
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.67 min Scan# 655
Delta R.T. -0.03 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 831324
Ion Ratio Lower Upper
114 100
63 22.9 0.0 42.8
88 20.1 0.0 37.8

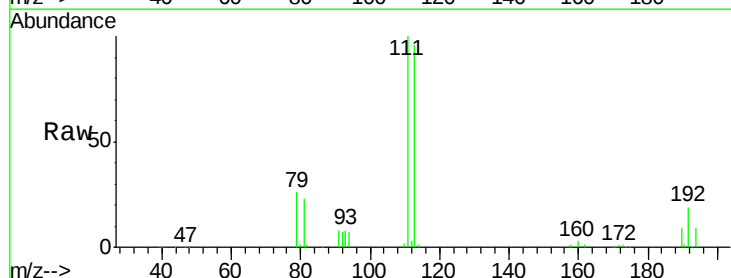


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

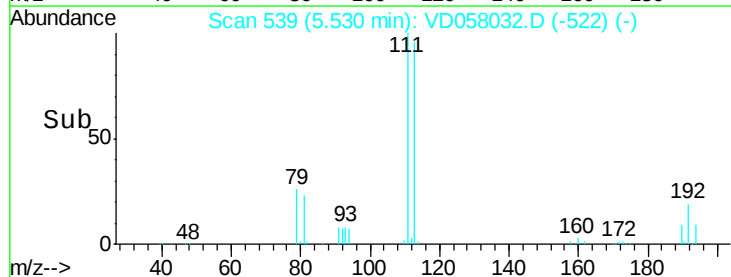
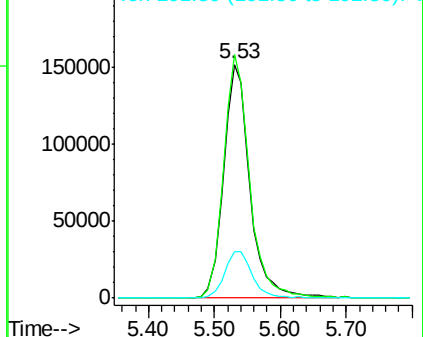


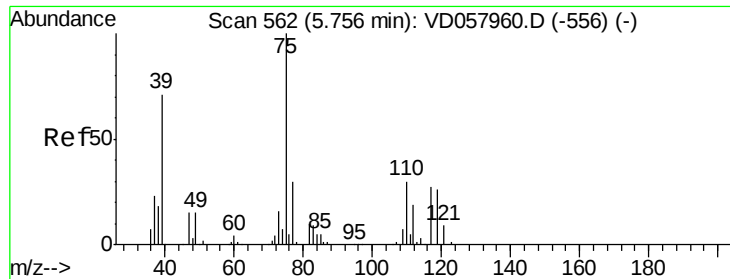
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.03 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

Tgt Ion:113 Resp: 424047
Ion Ratio Lower Upper
113 100
111 104.2 81.5 122.3
192 19.6 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: 5.820 ug/l

RT: 5.63 min Scan# 549

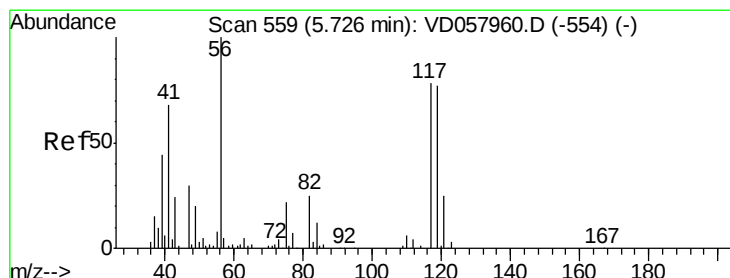
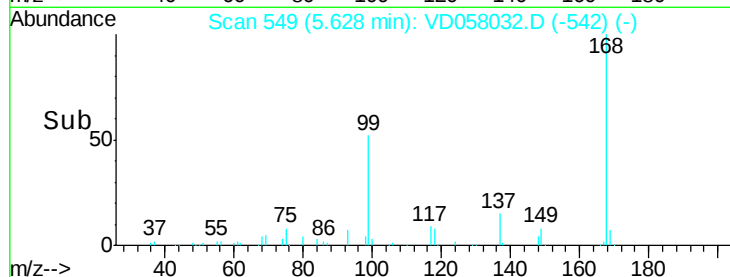
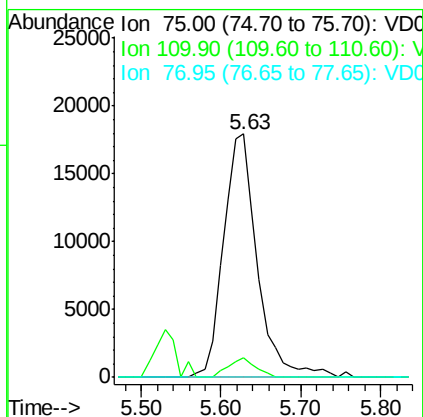
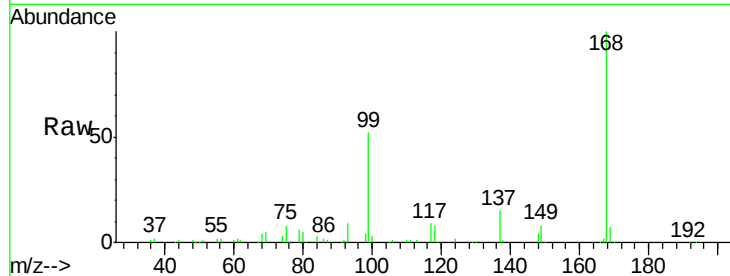
Delta R.T. -0.13 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	53305
Ion	Ratio	Lower	Upper
75	100		
110	8.0	14.8	44.3#
77	0.0	23.9	35.9#



#38

Carbon Tetrachloride

Concen: 5.868 ug/l

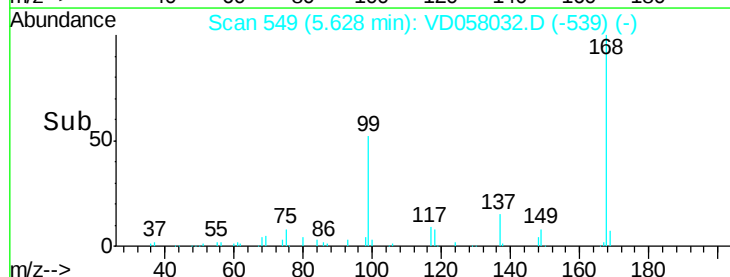
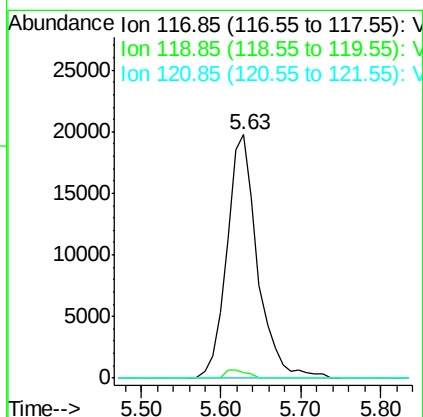
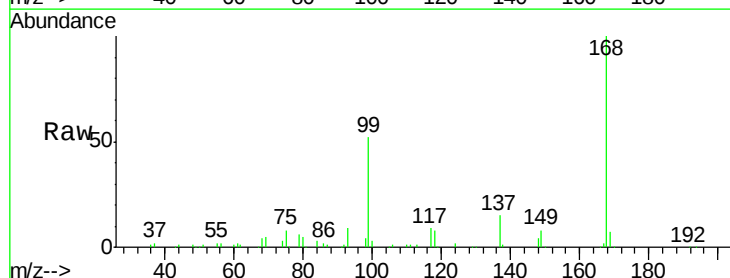
RT: 5.63 min Scan# 549

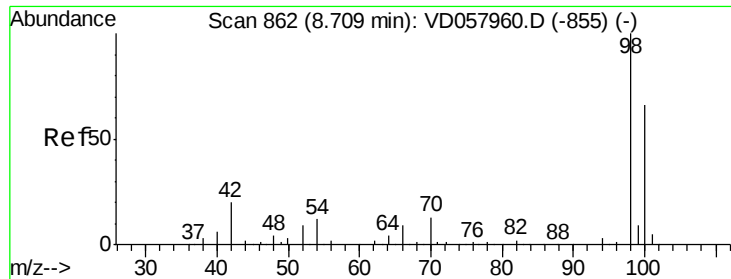
Delta R.T. -0.10 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Tgt Ion:	117	Resp:	52967
Ion	Ratio	Lower	Upper
117	100		
119	2.5	76.1	114.1#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Instrument :

MSVOA_D

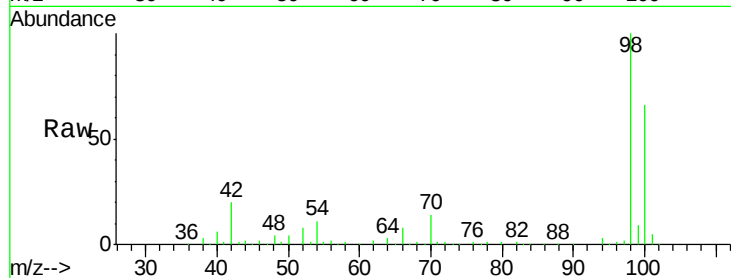
ClientSampleId :

Tot Ion: 98 Resp: 933198

Ion Ratio Lower Upper

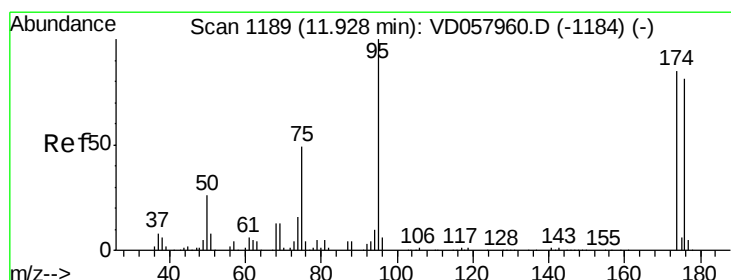
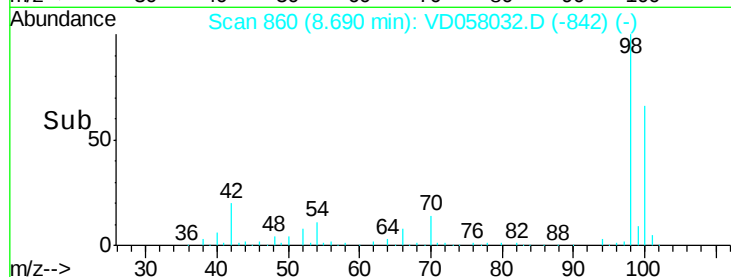
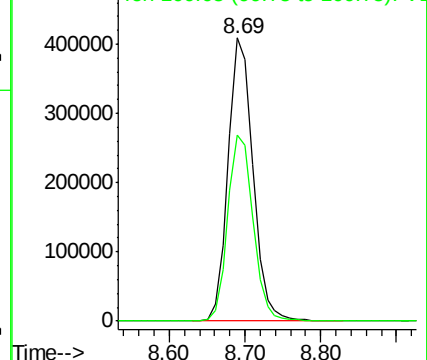
98 100

100 65.7 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

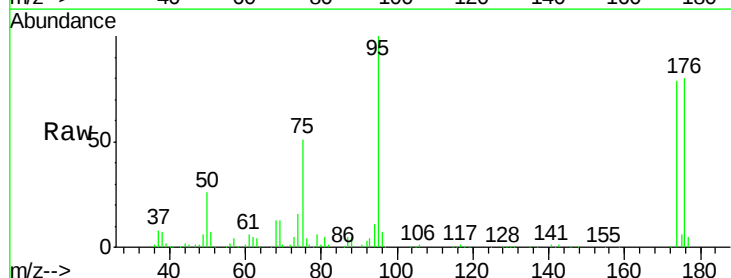
Tgt Ion: 95 Resp: 370106

Ion Ratio Lower Upper

95 100

174 79.2 0.0 169.4

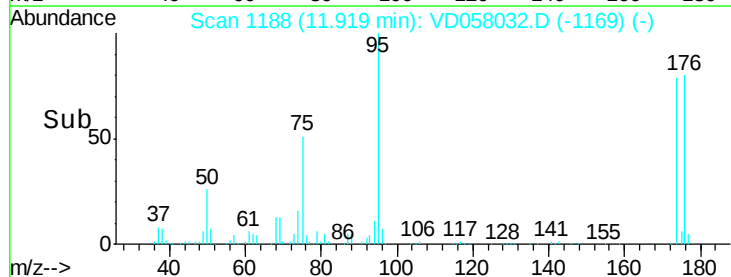
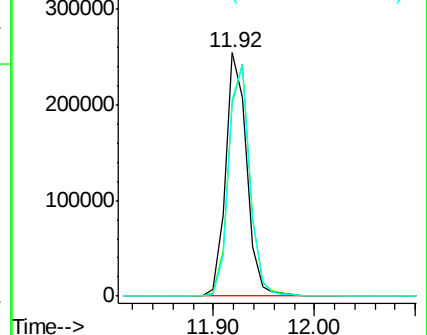
176 80.4 0.0 162.6

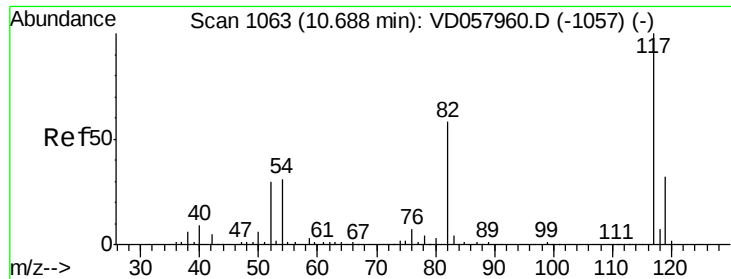


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

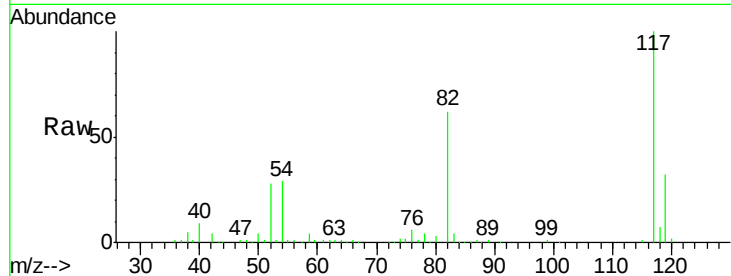




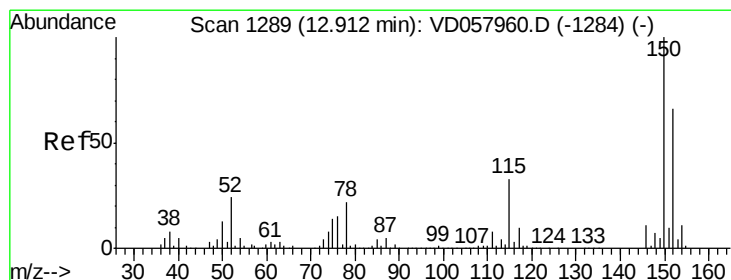
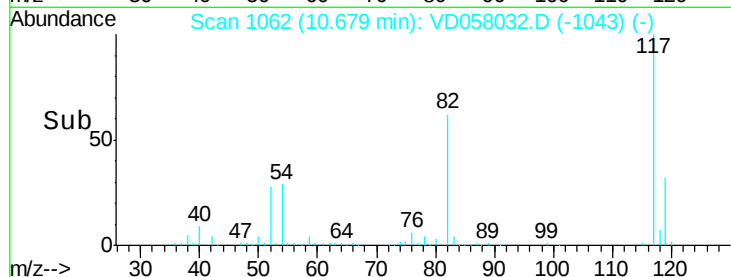
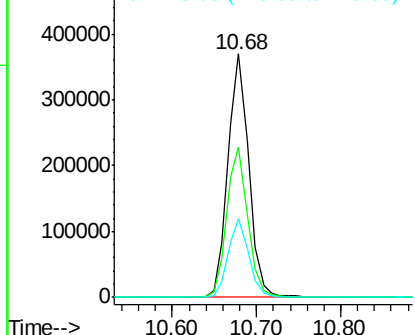
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 636544
Ion Ratio Lower Upper
117 100
82 61.6 46.8 70.2
119 32.2 25.8 38.6

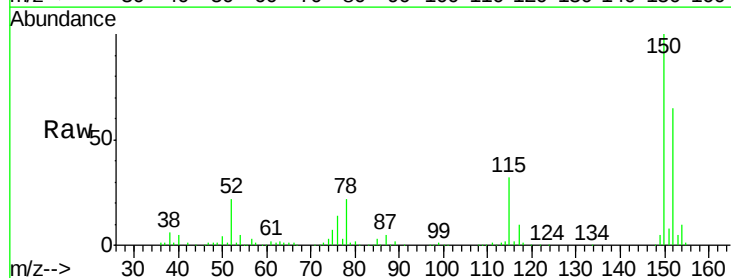


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

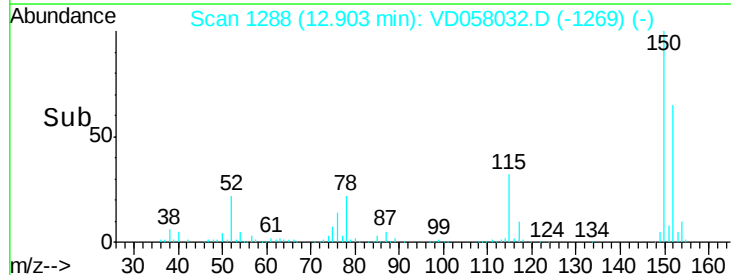
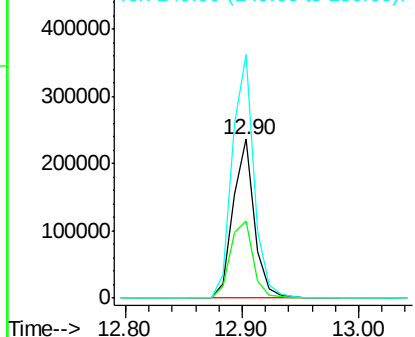


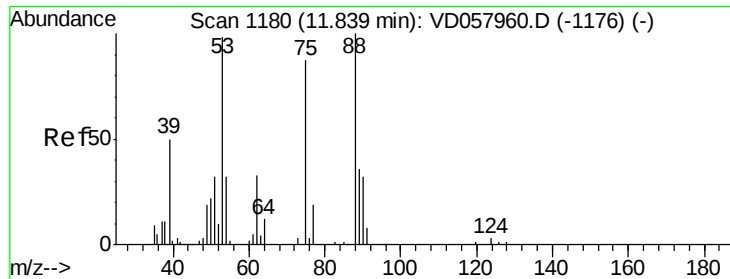
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058032.D
Acq: 8 Jun 2018 21:56

Tgt Ion:152 Resp: 298714
Ion Ratio Lower Upper
152 100
115 48.4 25.6 76.6
150 153.4 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: 164.473 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

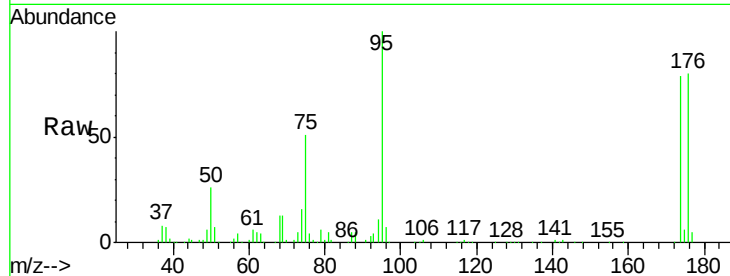
Tot Ion: 75 Resp: 182794

Ion Ratio Lower Upper

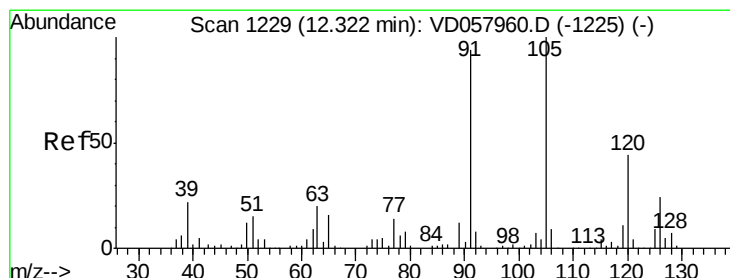
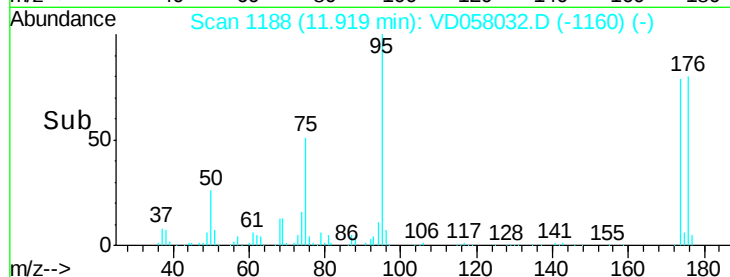
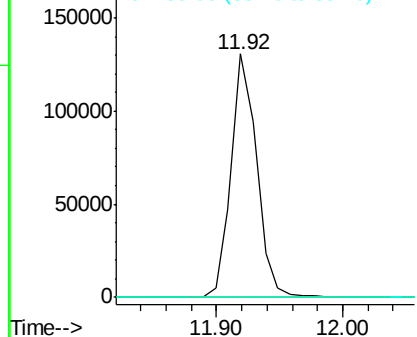
75 100

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# 1229

Delta R.T. 0.00 min

Lab File: VD058032.D

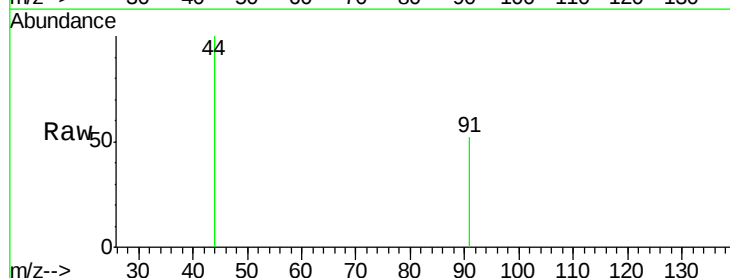
Acq: 8 Jun 2018 21:56

Tgt Ion: 91 Resp: 690

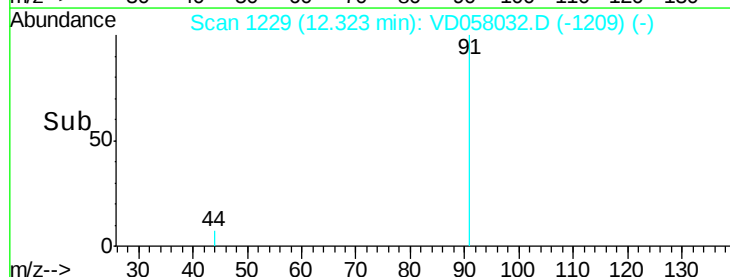
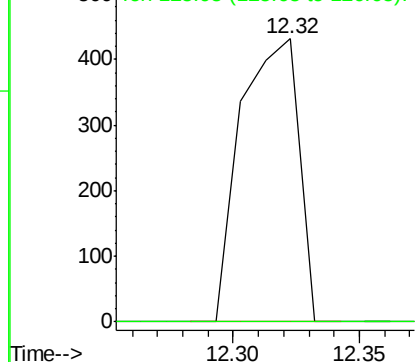
Ion Ratio Lower Upper

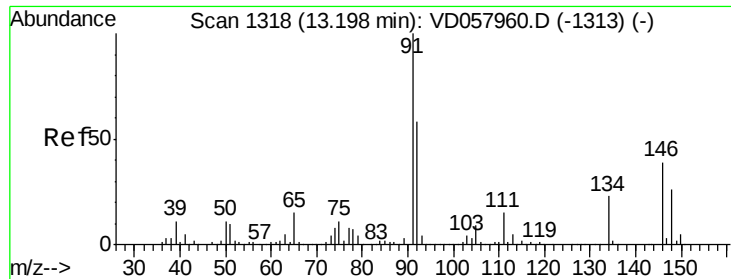
91 100

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. -0.01 min

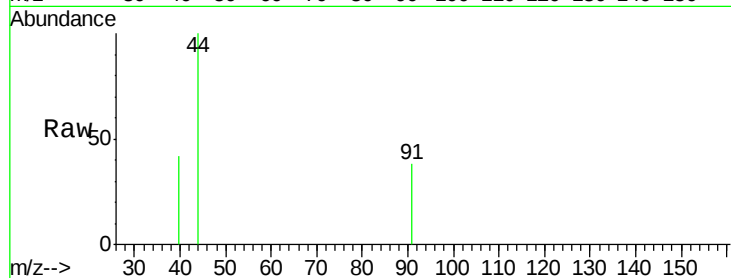
Lab File: VD058032.D

Acq: 8 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :



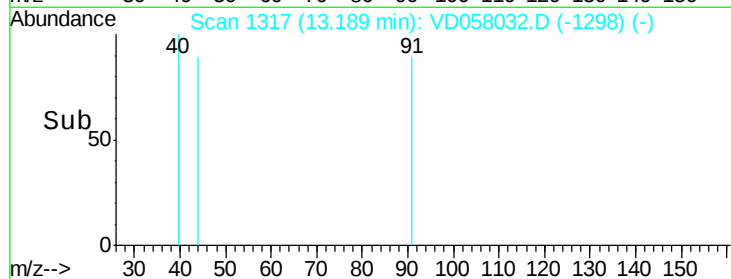
Tot Ion: 91 Resp: 225

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

13.19

