

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058185.D
 Acq On : 18 Jun 2018 17:08
 Operator : VA/AP
 Sample : J3554-03
 Misc : 5.79g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:49:55 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	5.64	168	748181	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	960108	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	778848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	367340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	388350	51.92	ug/l	-0.01
Spiked Amount 50.000			Recovery =	103.84%		
35) Dibromofluoromethane	5.54	113	380488	51.22	ug/l	-0.02
Spiked Amount 50.000			Recovery =	102.44%		
50) Toluene-d8	8.70	98	815303	46.16	ug/l	-0.01
Spiked Amount 50.000			Recovery =	92.32%		
62) 4-Bromofluorobenzene	11.93	95	330979	42.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.92%		

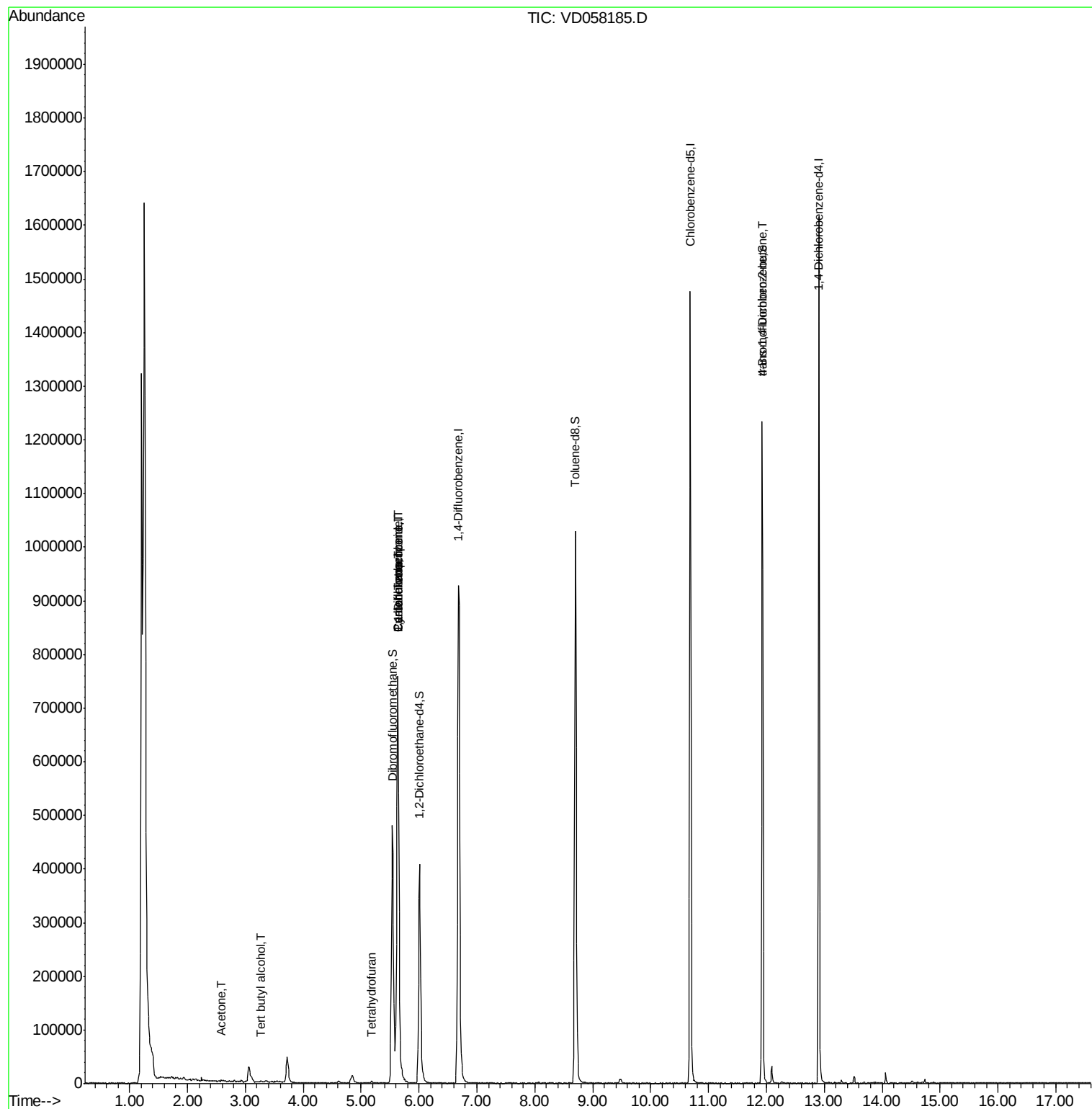
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.27	59	315	1.572	ug/l #	74
16) Acetone	2.59	43	5694	5.284	ug/l #	57
20) Methylene Chloride	3.06	84	13676	Below Cal		96
29) Tetrahydrofuran	5.19	42	1719	1.339	ug/l #	65
31) Cyclohexane	5.64	56	17121	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	62412	5.900	ug/l #	49
38) Carbon Tetrachloride	5.64	117	60550	5.808	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	163147	119.371	ug/l #	6
82) 4-Chlorotoluene	12.17	91	184	Below Cal	#	50
89) n-Butylbenzene	13.20	91	190	Below Cal	#	30

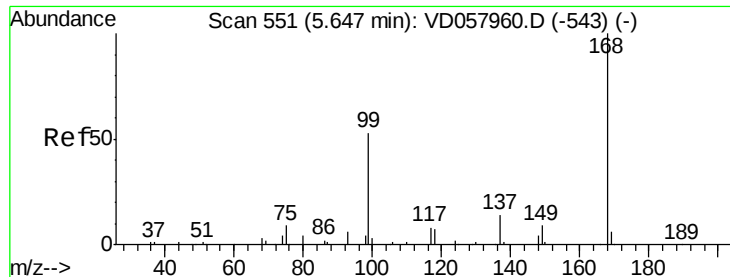
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
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MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:49:55 2018
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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

Instrument :

MSVOA_D

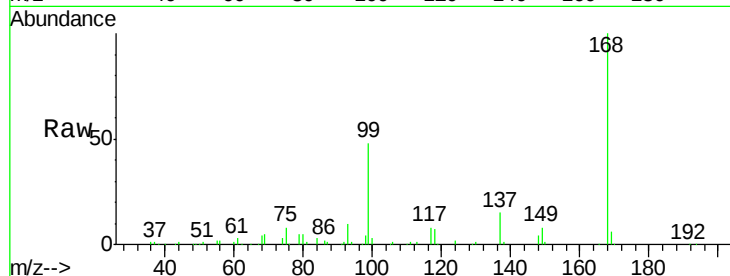
ClientSampleId :

Tot Ion:168 Resp: 748181

Ion Ratio Lower Upper

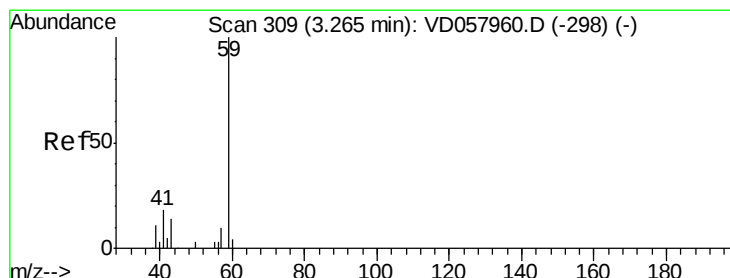
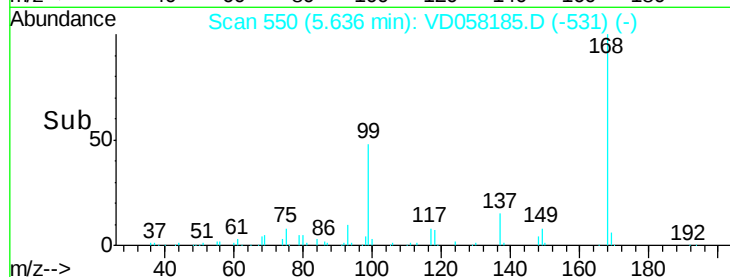
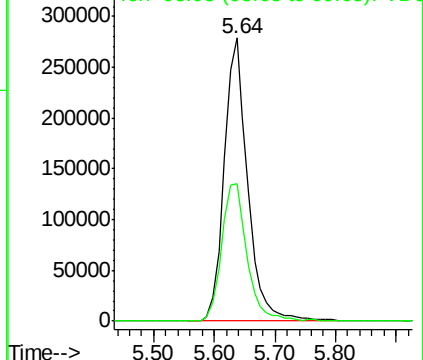
168 100

99 48.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.572 ug/l

RT: 3.27 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058185.D

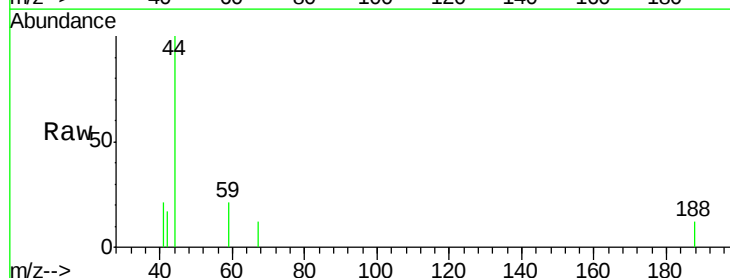
Acq: 18 Jun 2018 17:08

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

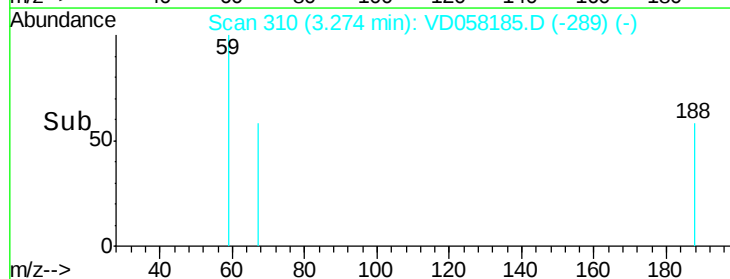
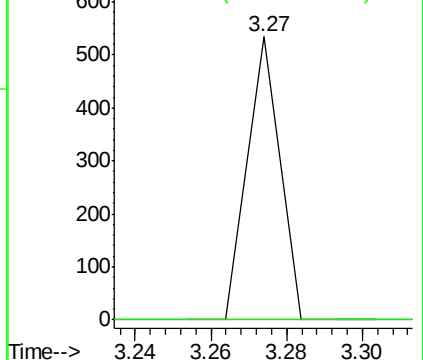
59 100

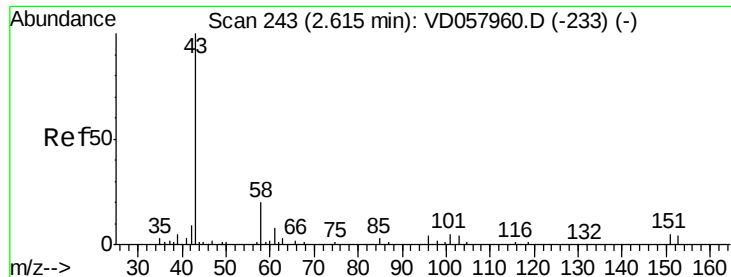
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.284 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

Instrument :

MSVOA_D

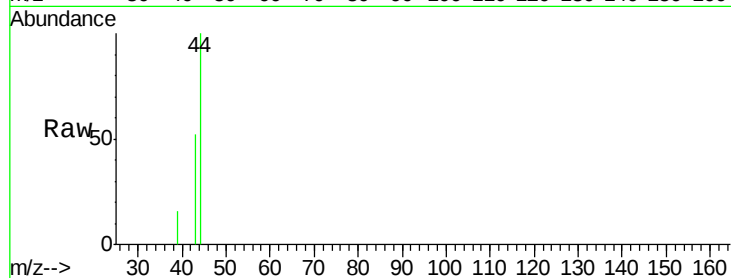
ClientSampleId :

Tot Ion: 43 Resp: 5694

Ion Ratio Lower Upper

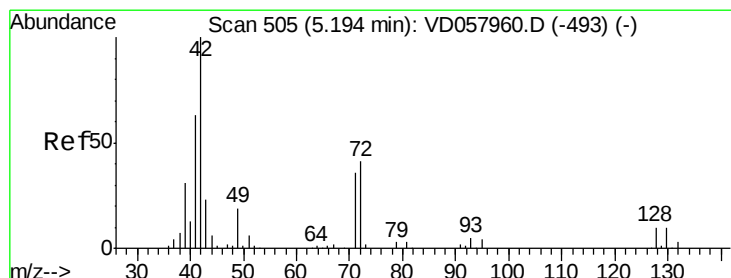
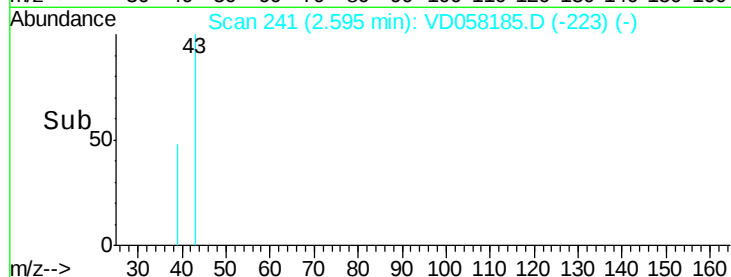
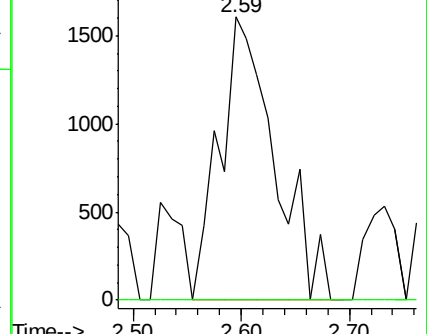
43 100

58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.339 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

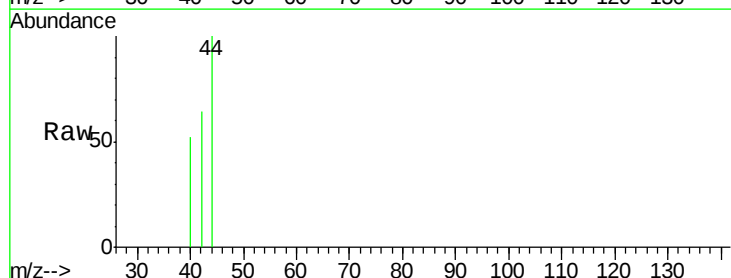
Tgt Ion: 42 Resp: 1719

Ion Ratio Lower Upper

42 100

72 15.1 28.5 42.7#

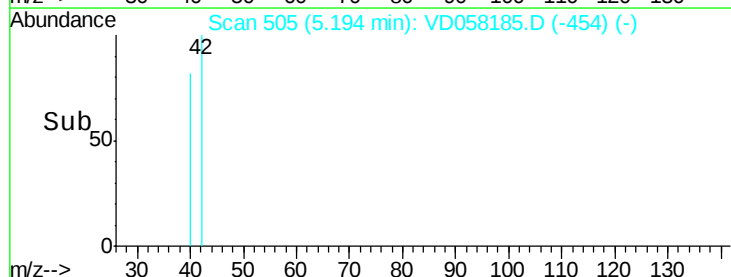
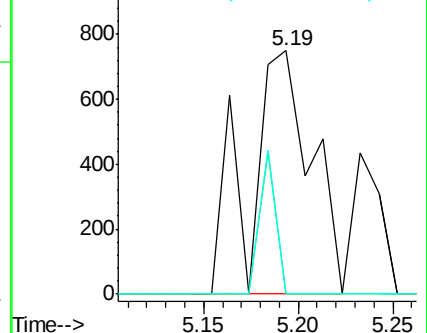
71 15.1 27.9 41.9#

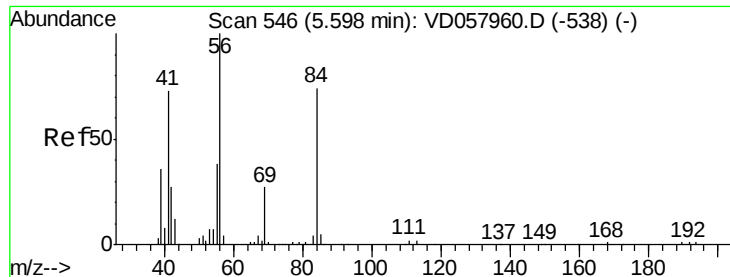


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

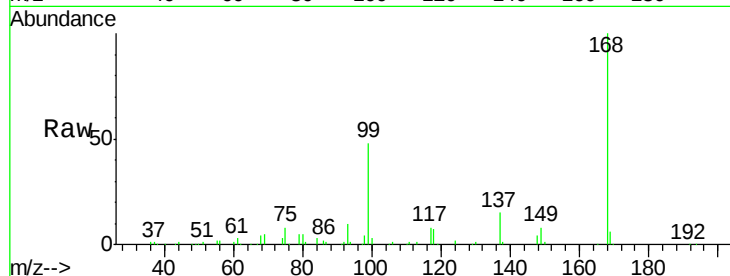




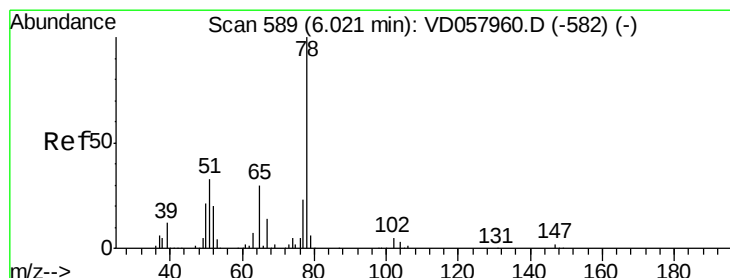
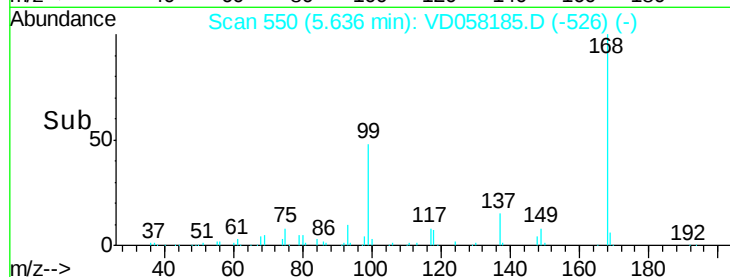
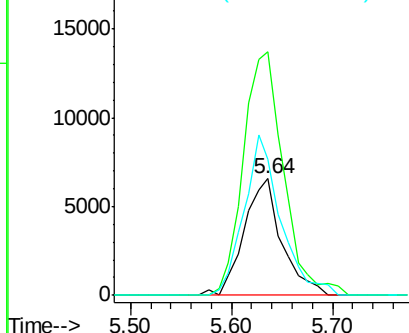
#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17121
Ion Ratio Lower Upper
56 100
69 209.2 21.5 32.3#
84 117.3 61.0 91.6#

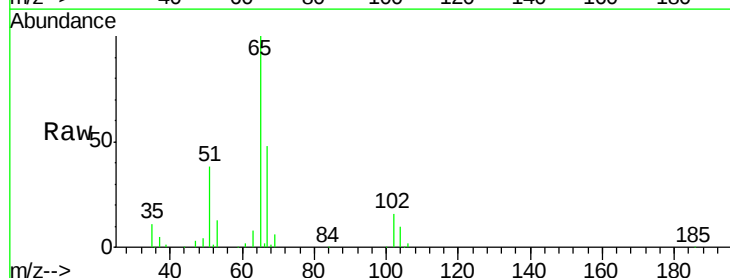


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

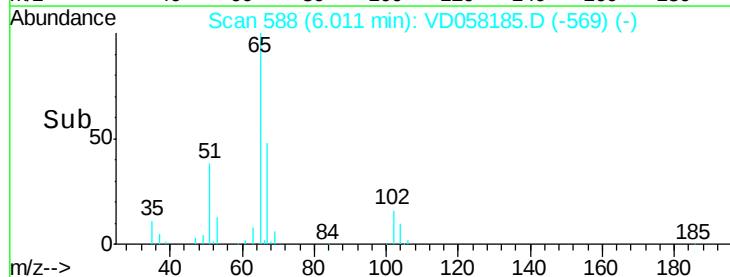
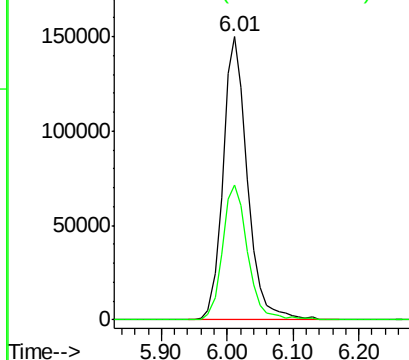


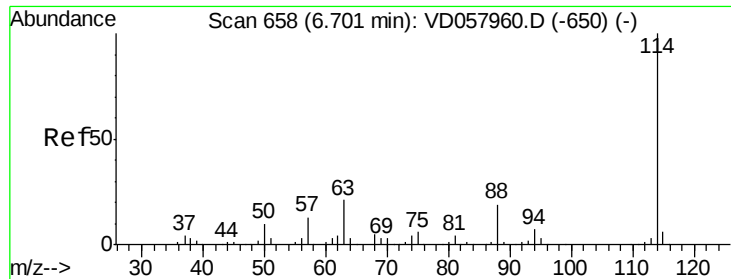
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Tgt Ion: 65 Resp: 388350
Ion Ratio Lower Upper
65 100
67 47.7 0.0 94.0



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

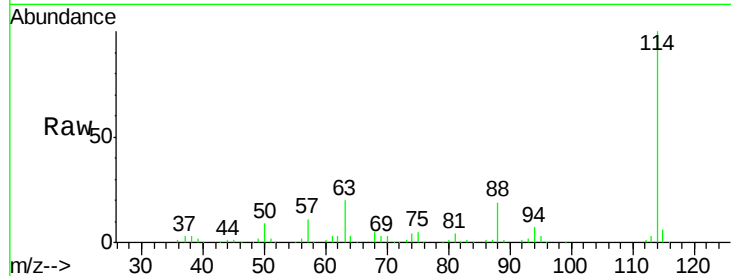




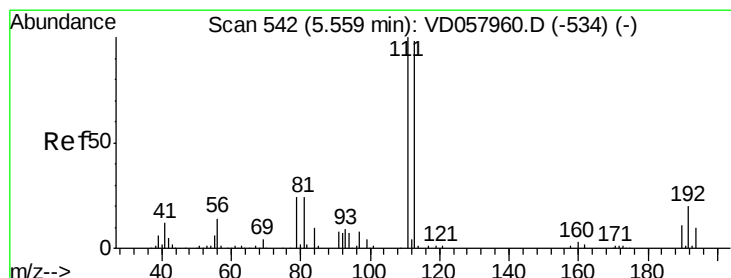
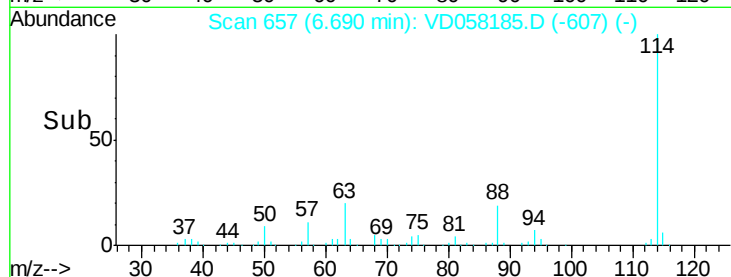
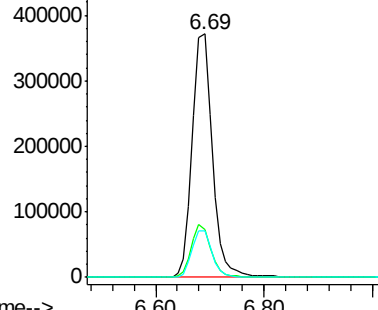
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058185.D
 Acq: 18 Jun 2018 17:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 960108
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 19.0 0.0 37.8

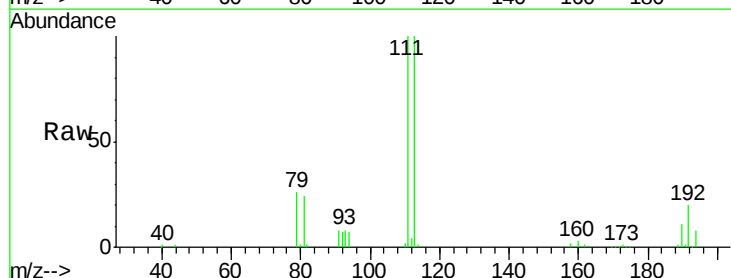


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

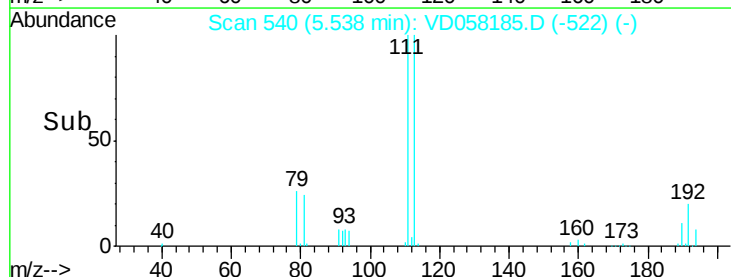
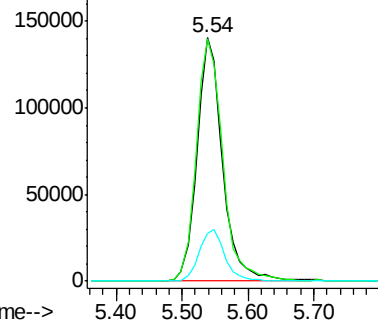


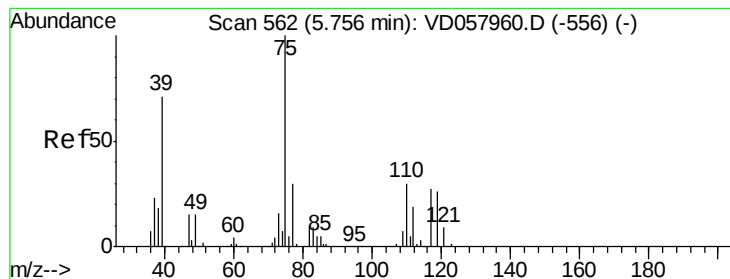
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058185.D
 Acq: 18 Jun 2018 17:08

Tgt Ion:113 Resp: 380488
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.5 122.3
 192 19.7 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: 5.900 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

Instrument :

MSVOA_D

ClientSampled :

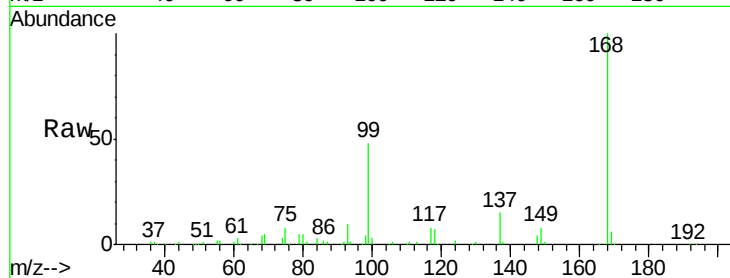
Tot Ion: 75 Resp: 62412

Ion Ratio Lower Upper

75 100

110 4.7 14.8 44.3#

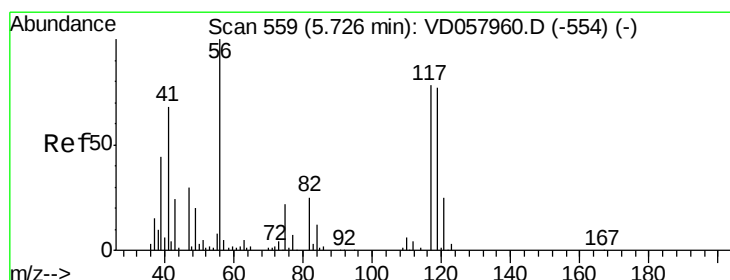
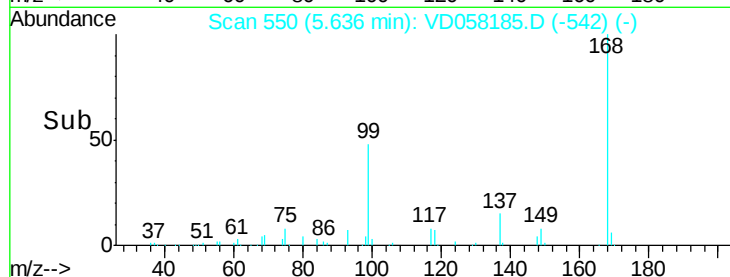
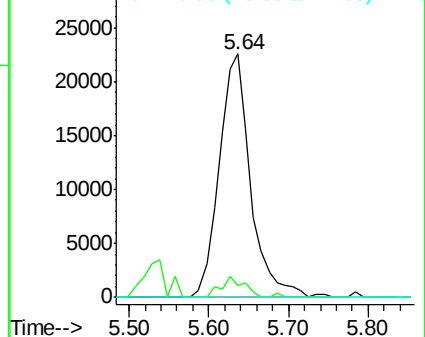
77 0.0 23.9 35.9#



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: 5.808 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

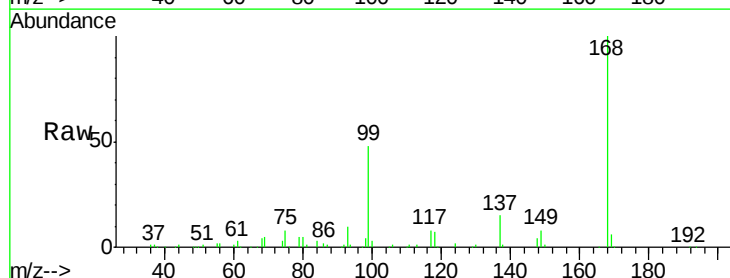
Tgt Ion: 117 Resp: 60550

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

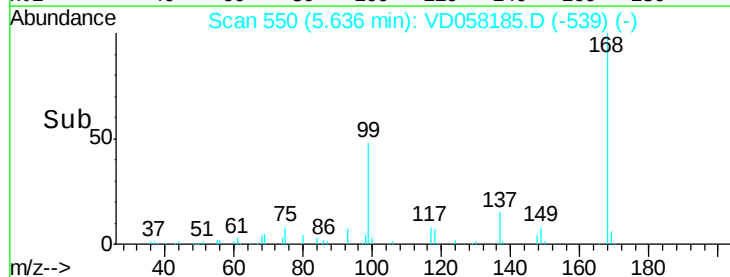
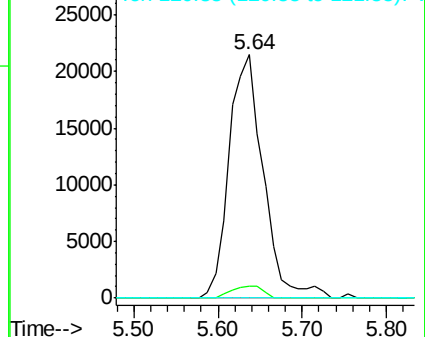
121 0.0 24.9 37.3#

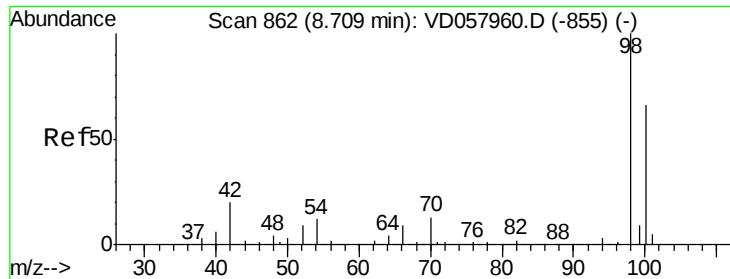


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

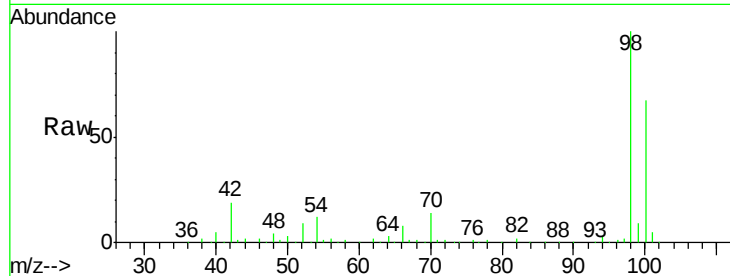




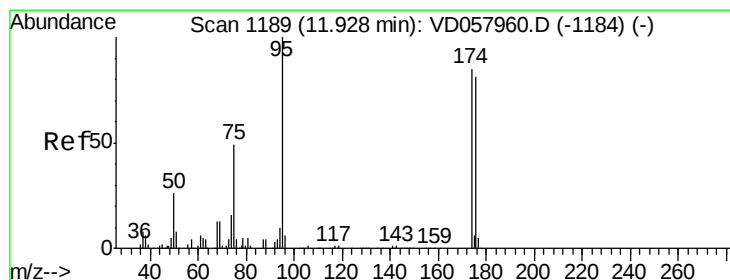
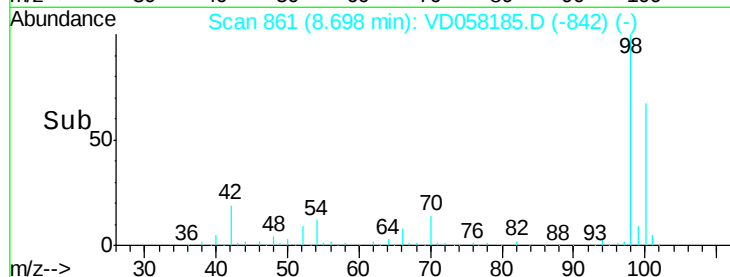
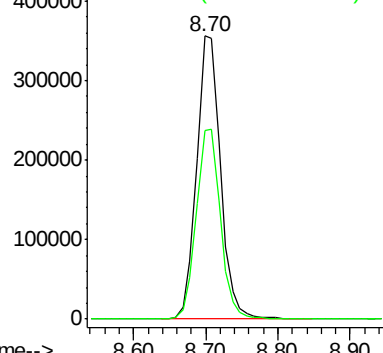
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 815303
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0

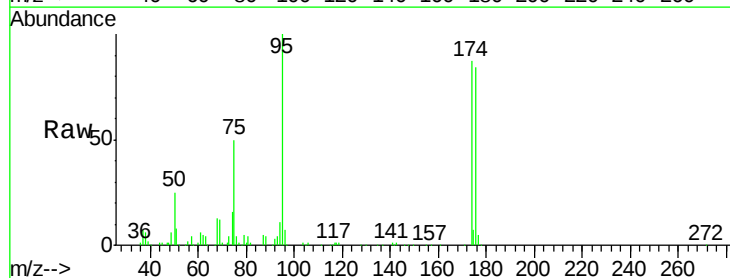


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

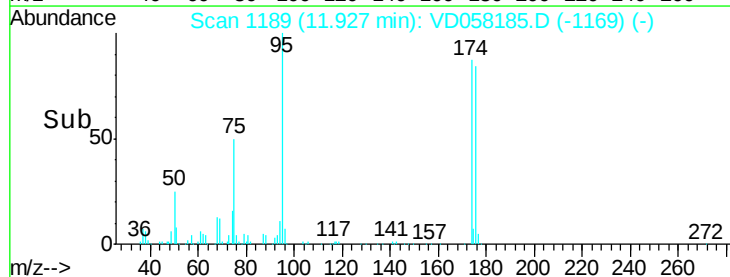
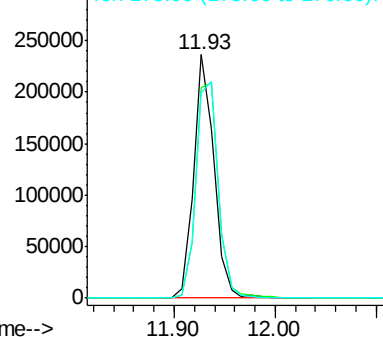


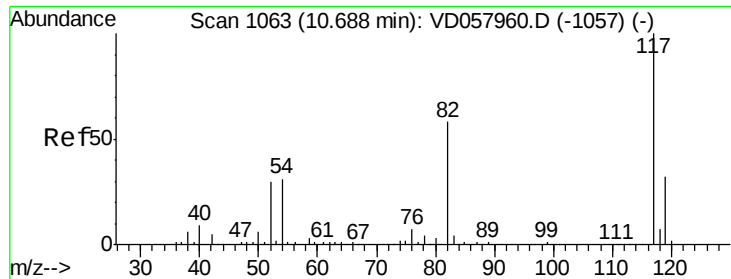
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Tgt Ion: 95 Resp: 330979
Ion Ratio Lower Upper
95 100
174 86.5 0.0 169.4
176 84.4 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

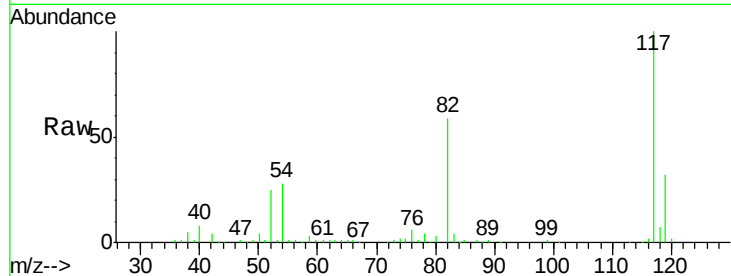




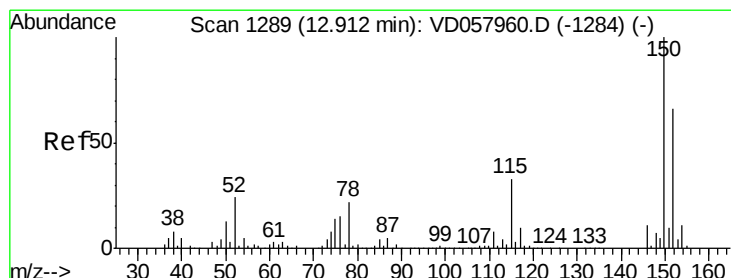
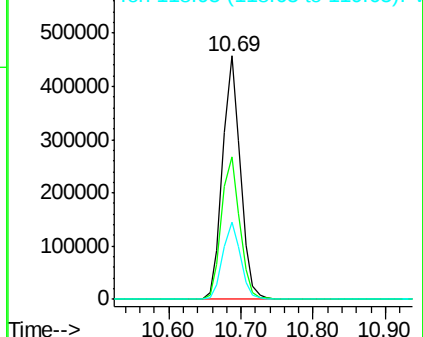
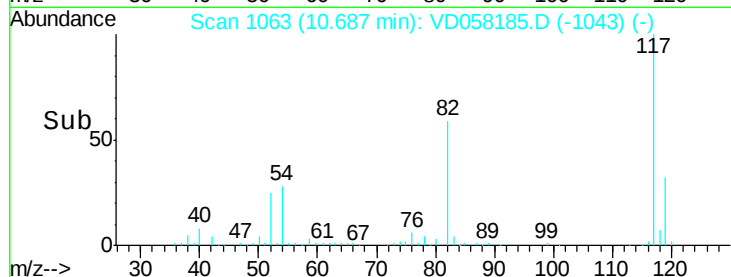
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 778848
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 31.7 25.8 38.6

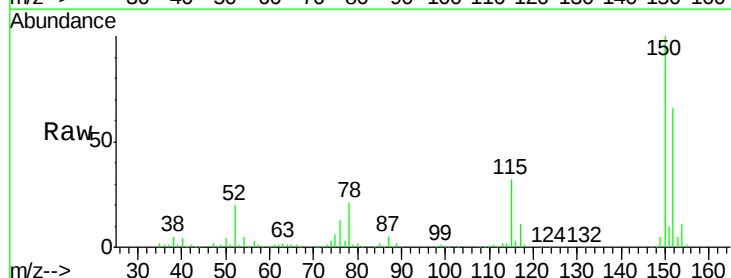


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

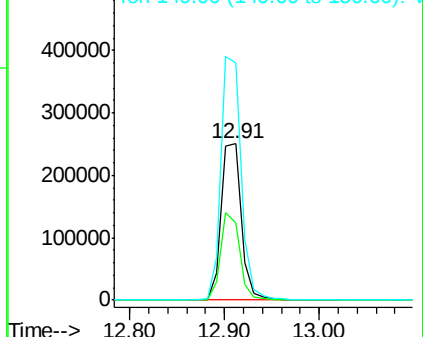
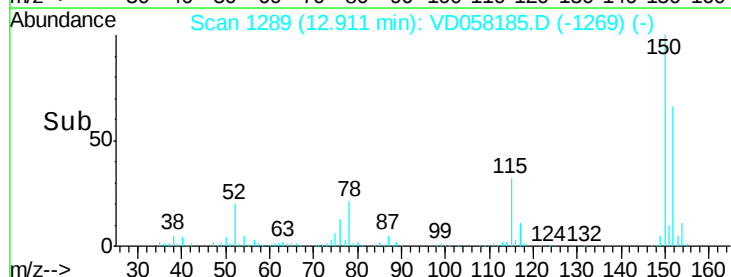


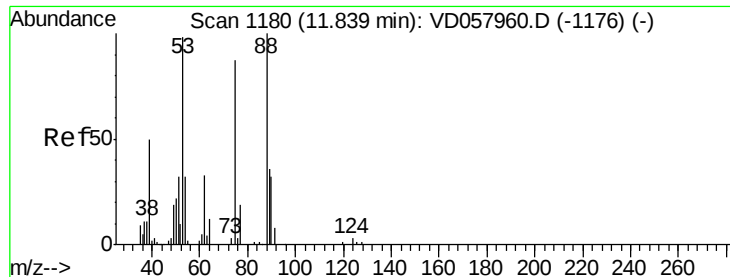
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058185.D
Acq: 18 Jun 2018 17:08

Tgt Ion:152 Resp: 367340
Ion Ratio Lower Upper
152 100
115 48.9 25.6 76.6
150 151.6 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: 119.371 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

Instrument :

MSVOA_D

ClientSampleId :

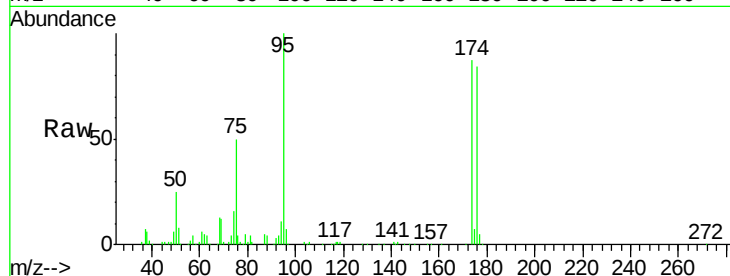
Tot Ion: 75 Resp: 163147

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

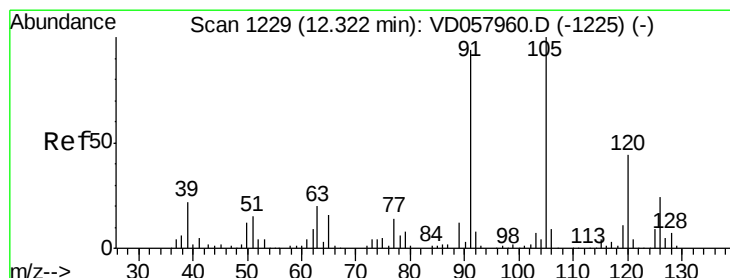
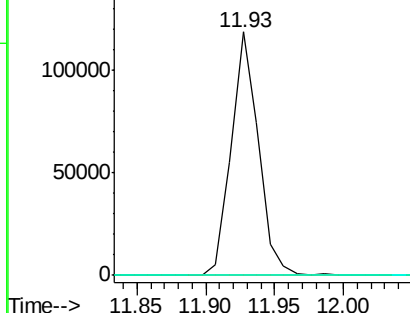
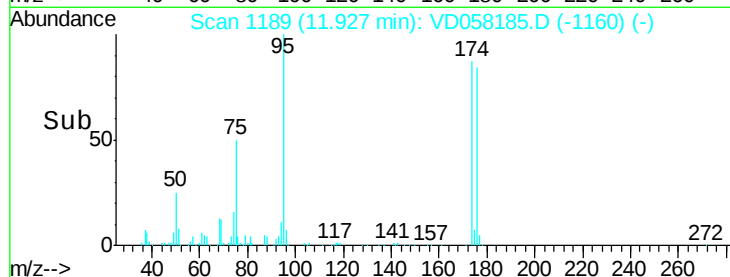
89 0.0 33.3 49.9#



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: 12.17 min Scan# 1214

Delta R.T. -0.15 min

Lab File: VD058185.D

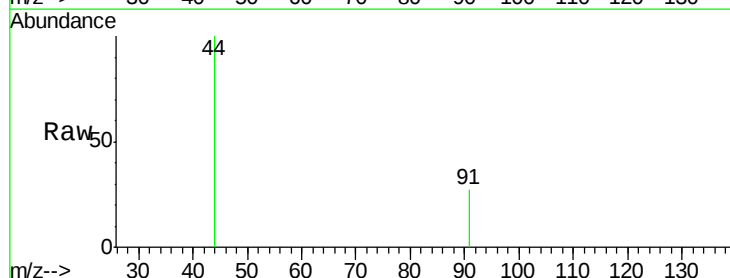
Acq: 18 Jun 2018 17:08

Tgt Ion: 91 Resp: 184

Ion Ratio Lower Upper

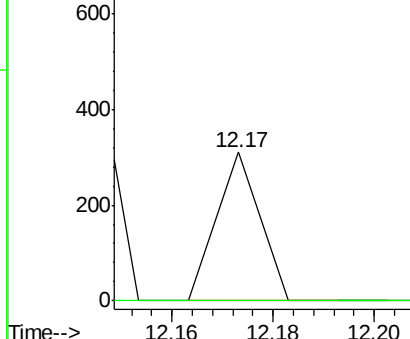
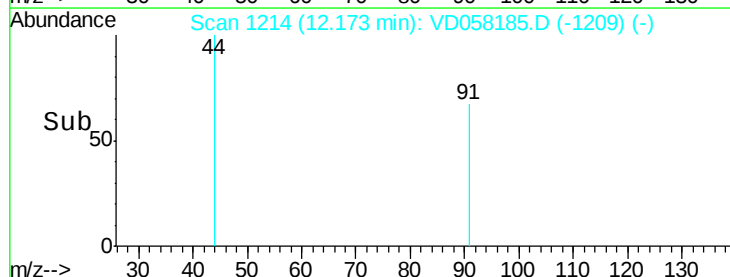
91 100

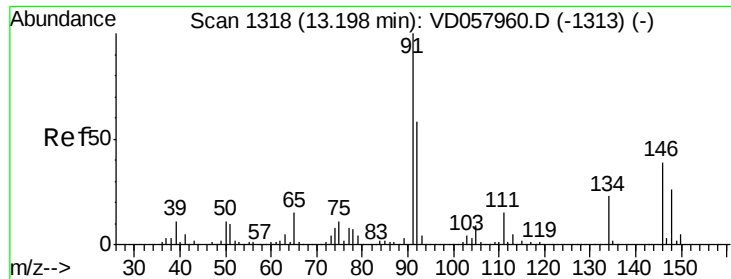
126 0.0 12.5 37.5#



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: 13.20 min Scan# 1318

Delta R.T. -0.00 min

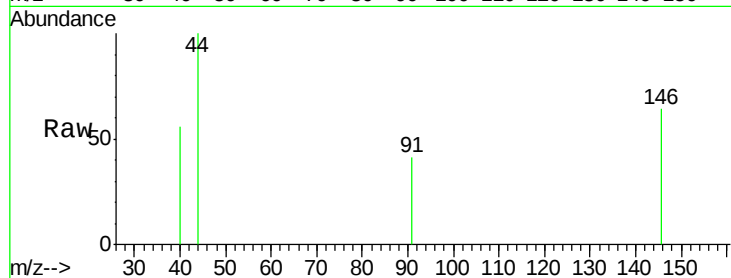
Lab File: VD058185.D

Acq: 18 Jun 2018 17:08

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:	91	Resp:	190
Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.2	87.6#
134	0.0	11.3	33.9#

