

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058144.D
 Acq On : 14 Jun 2018 19:13
 Operator : VA/AP
 Sample : J3498-11
 Misc : 6.16g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:05:42 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	627499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	856767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	669867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	302999	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	268786	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	
35) Dibromofluoromethane	5.55	113	294167	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
50) Toluene-d8	8.71	98	606292	38.47	ug/l	0.00
Spiked Amount			Recovery	=	76.94%	
62) 4-Bromofluorobenzene	11.93	95	247772	36.04	ug/l	0.00
Spiked Amount			Recovery	=	72.08%	

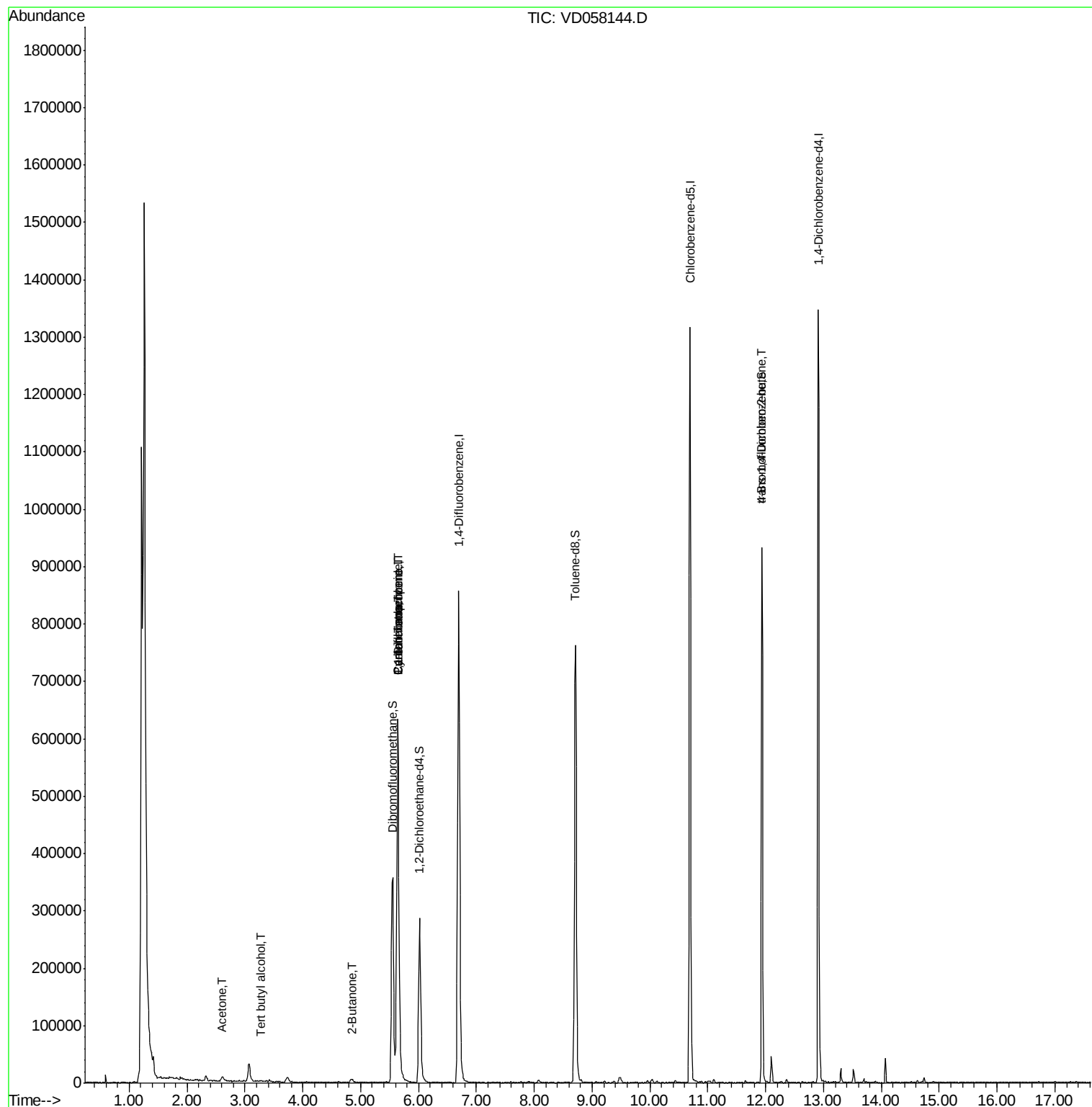
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.28	59	190	1.131	ug/l #	74
16) Acetone	2.60	43	15860	17.548	ug/l	94
20) Methylene Chloride	3.07	84	15043	Below Cal		86
25) 2-Butanone	4.86	43	2079	1.012	ug/l #	64
31) Cyclohexane	5.65	56	14256	1.307	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	53491	5.667	ug/l #	50
38) Carbon Tetrachloride	5.64	117	52921	5.689	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	123434	109.492	ug/l #	6
82) 4-Chlorotoluene	12.16	91	413	Below Cal	#	50
89) n-Butylbenzene	13.20	91	270	Below Cal	#	53

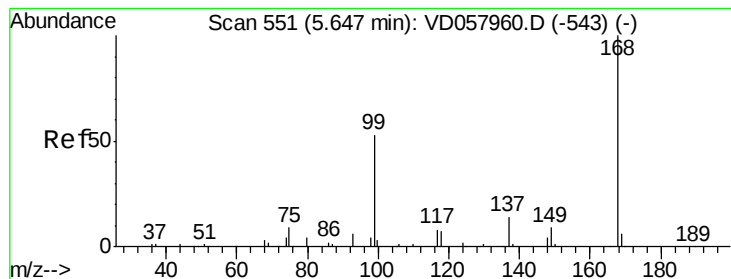
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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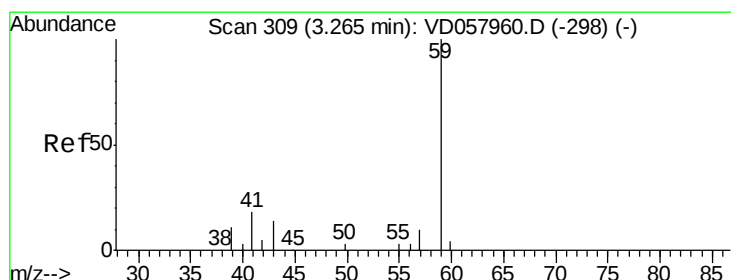
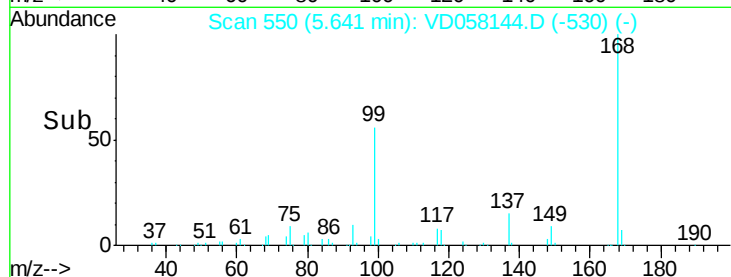
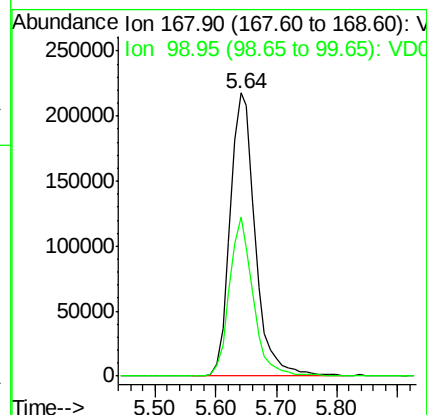
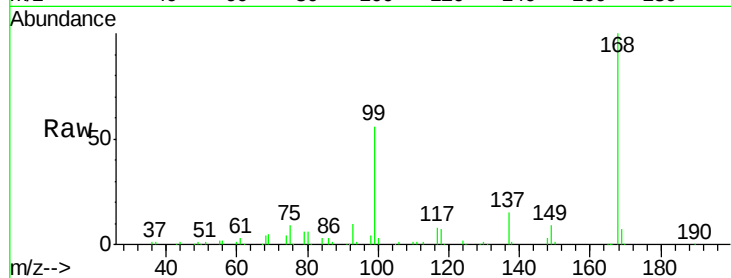




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

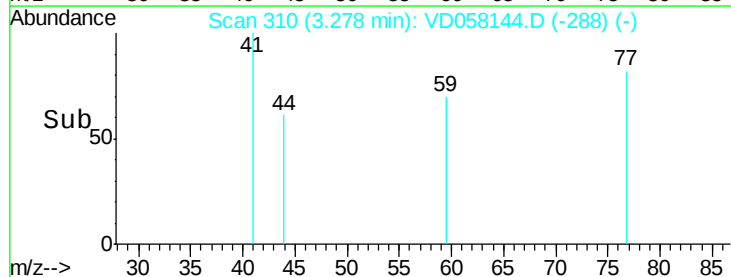
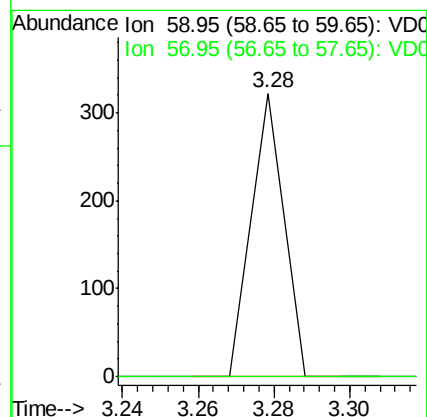
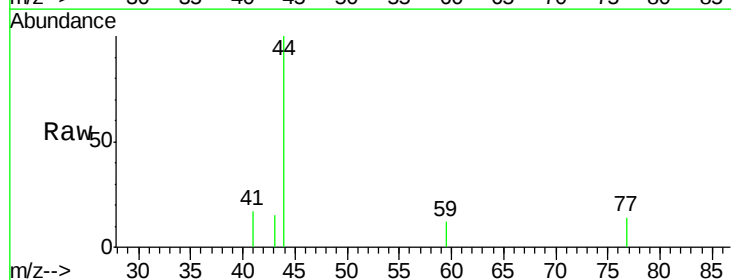
Instrument :
MSVOA_D
ClientSampleId :

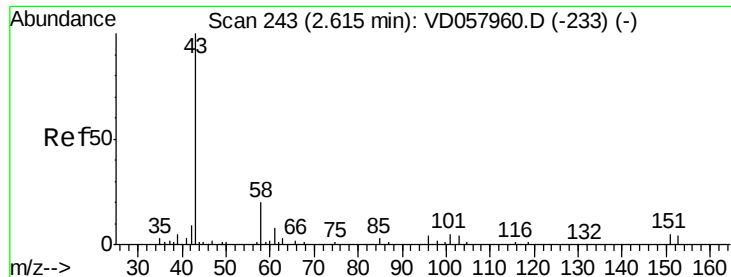
Tot Ion:168 Resp: 627499
Ion Ratio Lower Upper
168 100
99 56.0 46.8 70.2



#11
Tert butyl alcohol
Concen: 1.131 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 17.548 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

Instrument :

MSVOA_D

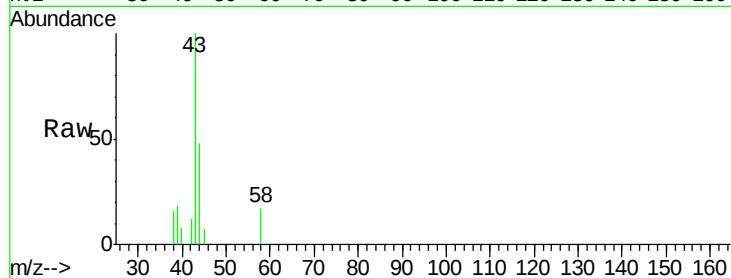
ClientSampled :

Tot Ion: 43 Resp: 15860

Ion Ratio Lower Upper

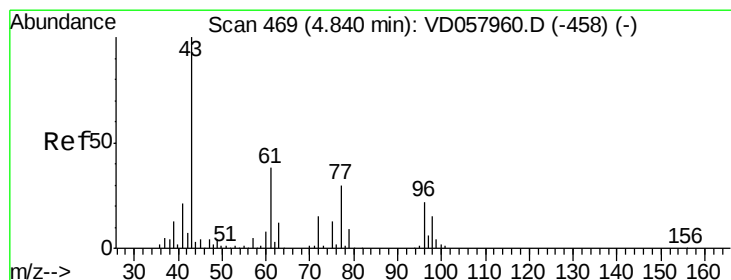
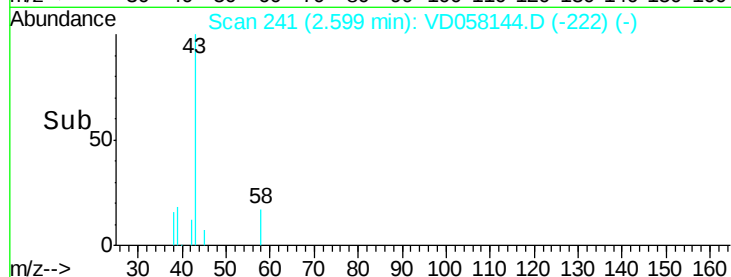
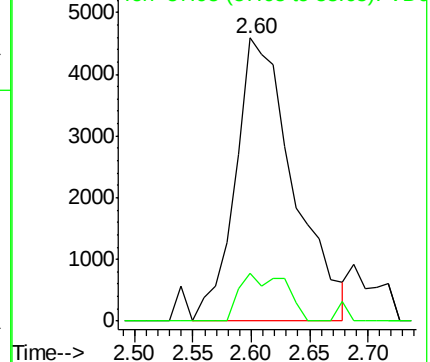
43 100

58 16.9 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 1.012 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058144.D

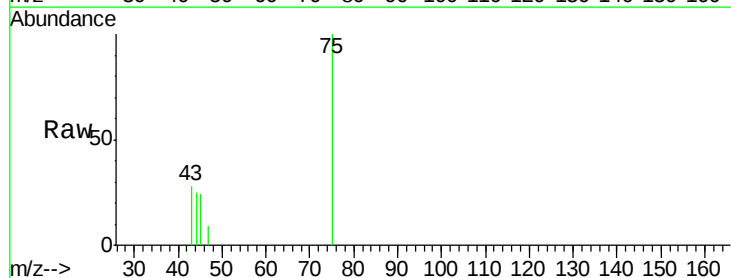
Acq: 14 Jun 2018 19:13

Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

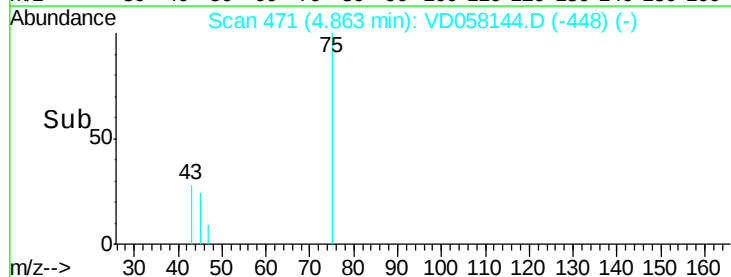
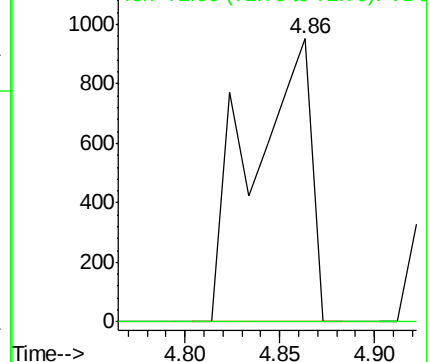
43 100

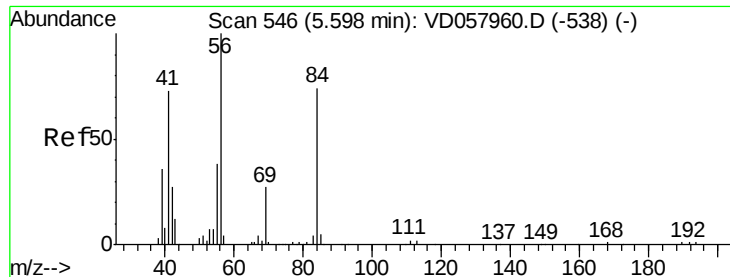
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

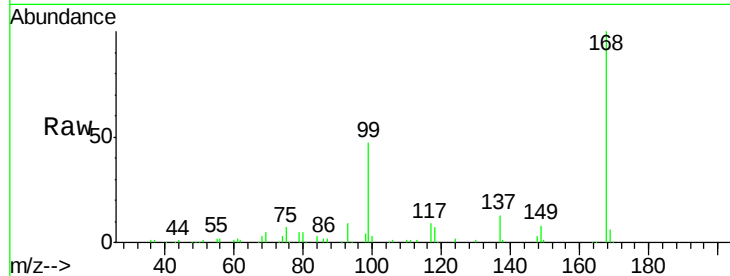




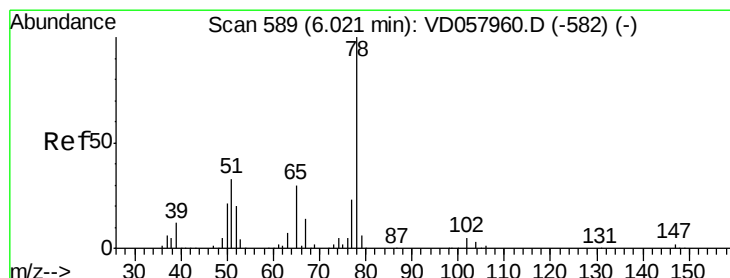
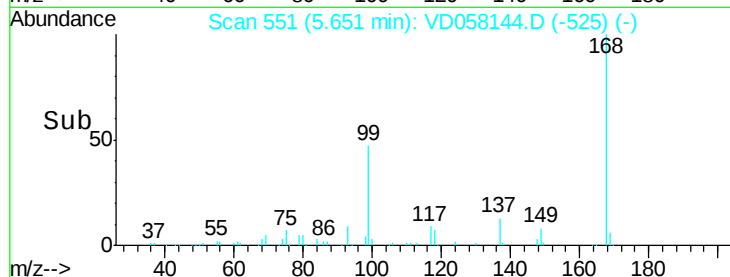
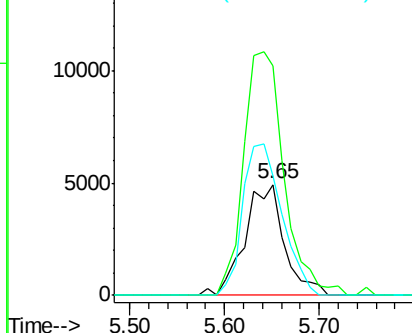
#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.05 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14256
Ion Ratio Lower Upper
56 100
69 207.2 21.5 32.3#
84 107.2 61.0 91.6#

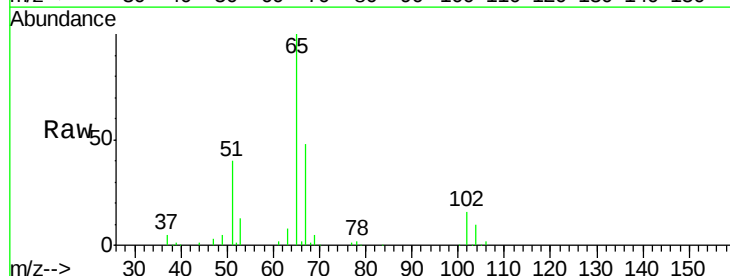


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

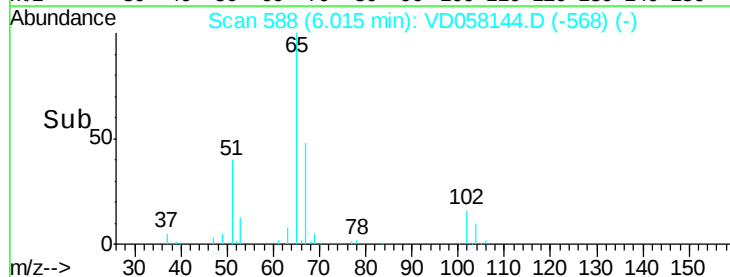
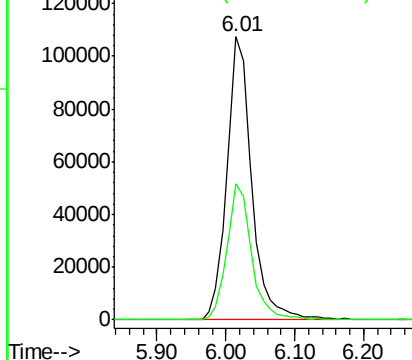


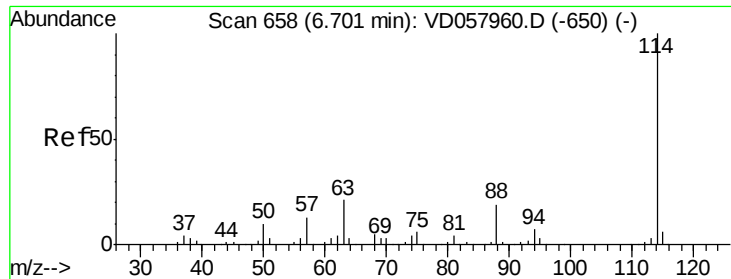
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

Tgt Ion: 65 Resp: 268786
Ion Ratio Lower Upper
65 100
67 48.3 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: VD058144.D

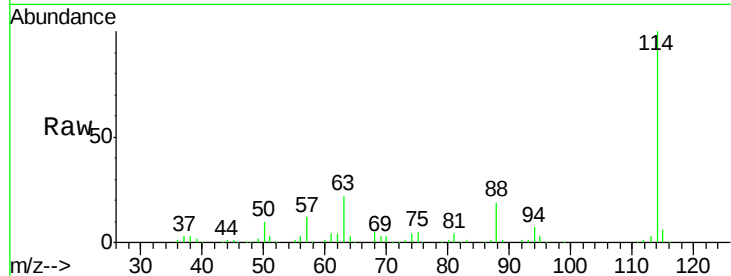
Acq: 14 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

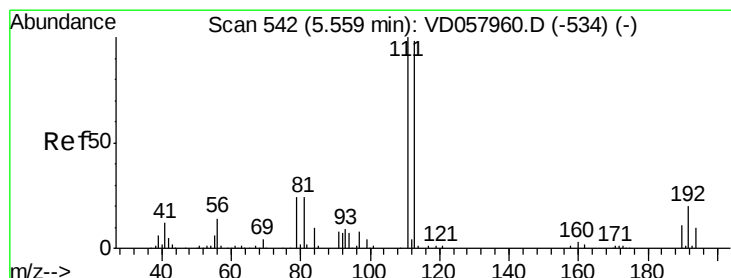
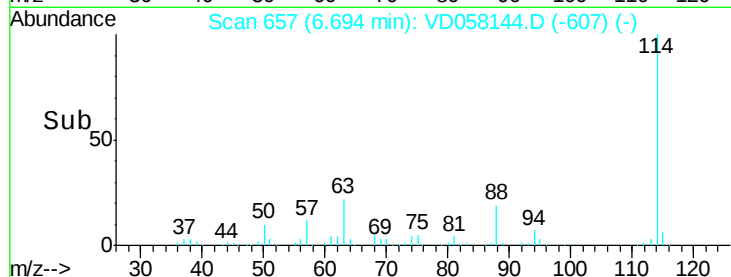
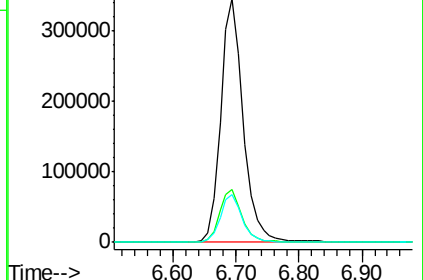
Tot Ion:114	Resp:	856767
Ion Ratio	Lower	Upper
114	100	
63	21.6	0.0 42.8
88	19.5	0.0 37.8



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

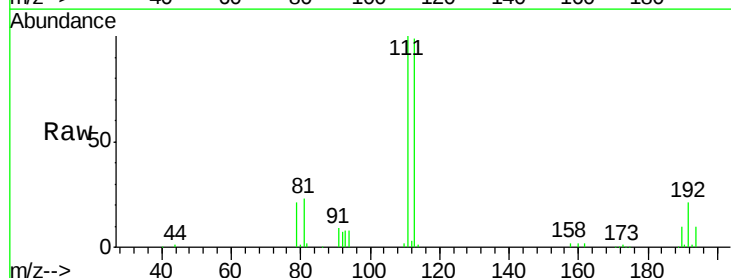
RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

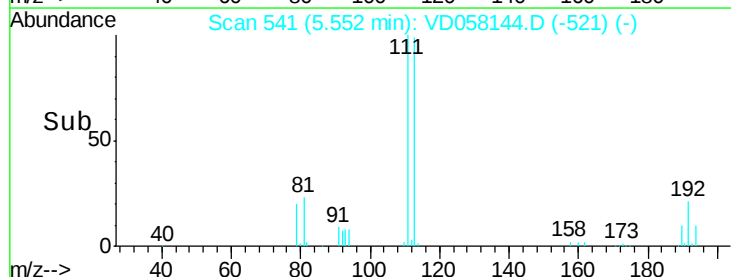
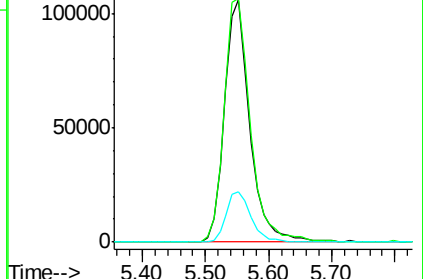
Tgt Ion:113	Resp:	294167
Ion Ratio	Lower	Upper
113	100	
111	100.6	81.5 122.3
192	20.7	16.4 24.6

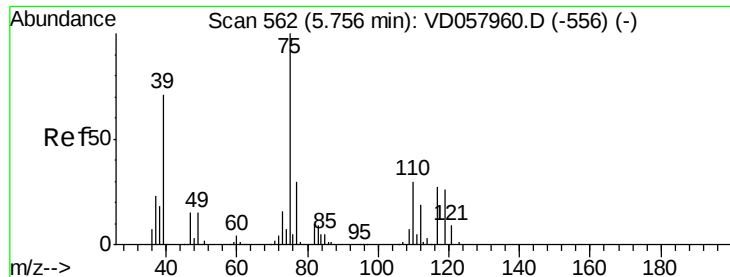


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.667 ug/l

RT: 5.64 min Scan# 550

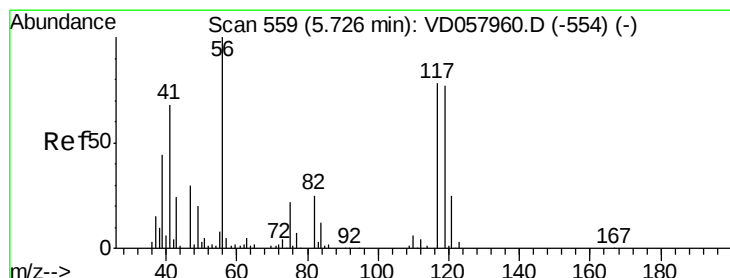
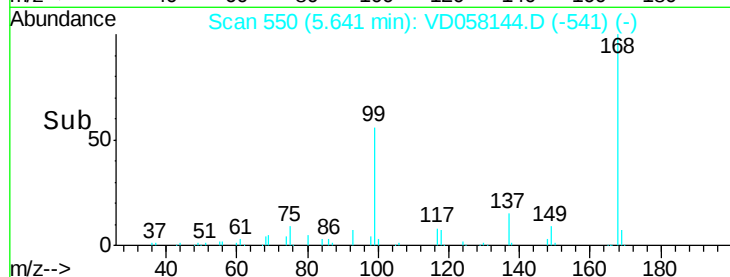
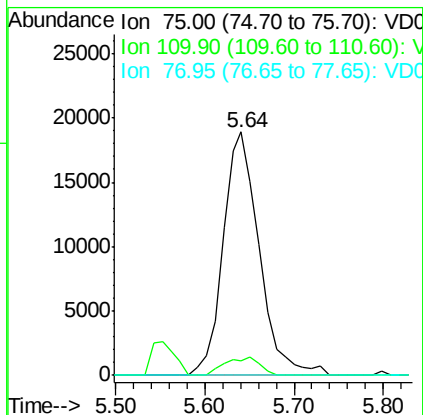
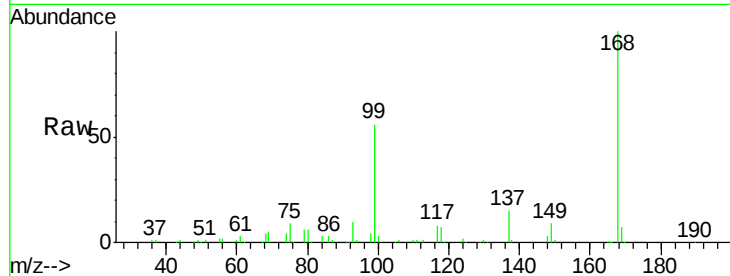
Delta R.T. -0.11 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	53491
Ion	Ratio	Lower	Upper
75	100		
110	6.0	14.8	44.3#
77	0.0	23.9	35.9#



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

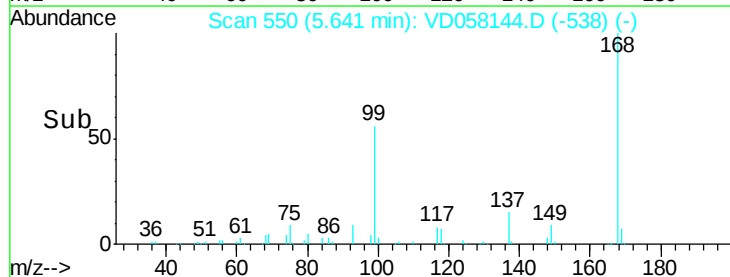
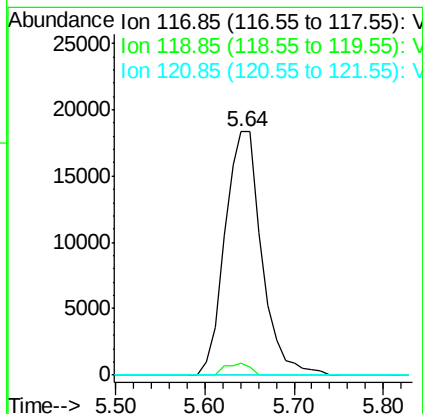
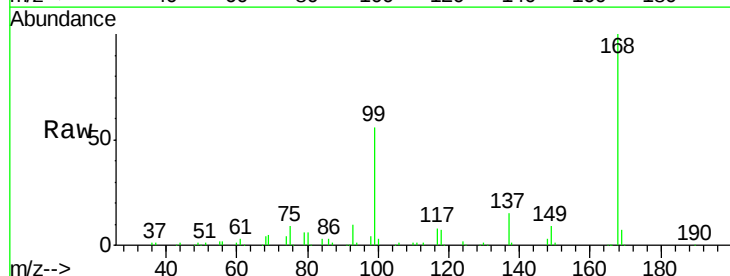
RT: 5.64 min Scan# 550

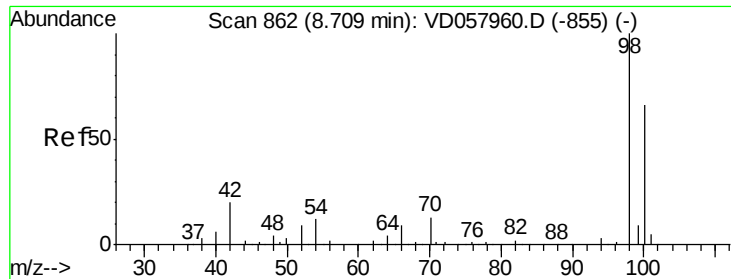
Delta R.T. -0.09 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

Tgt Ion:	117	Resp:	52921
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

Instrument :

MSVOA_D

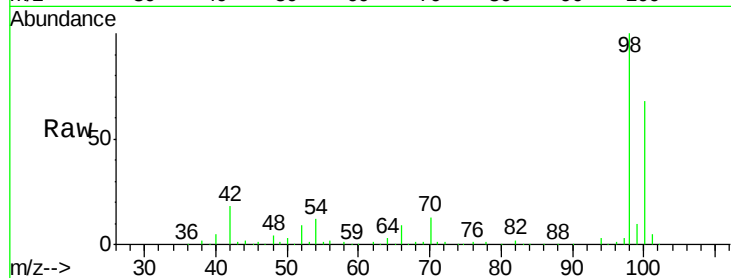
ClientSampleId :

Tot Ion: 98 Resp: 606292

Ion Ratio Lower Upper

98 100

100 68.2 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) (-)

8.71

250000

200000

150000

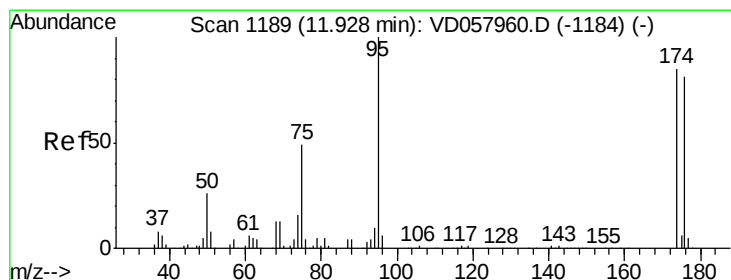
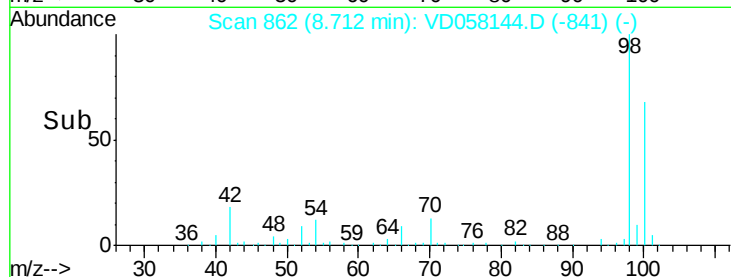
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

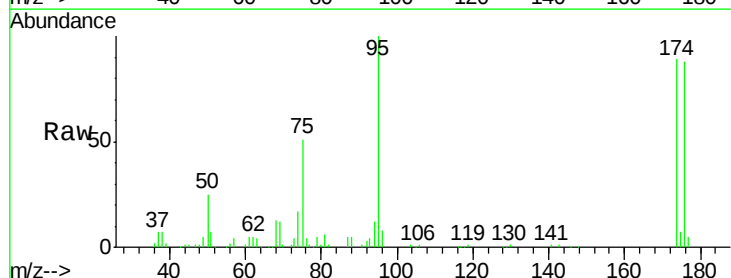
Tgt Ion: 95 Resp: 247772

Ion Ratio Lower Upper

95 100

174 88.7 0.0 169.4

176 88.0 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) (-)

11.93

200000

150000

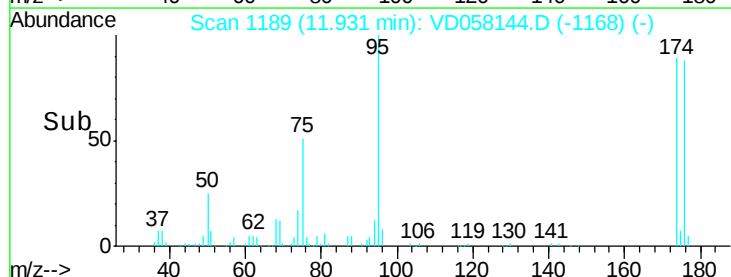
100000

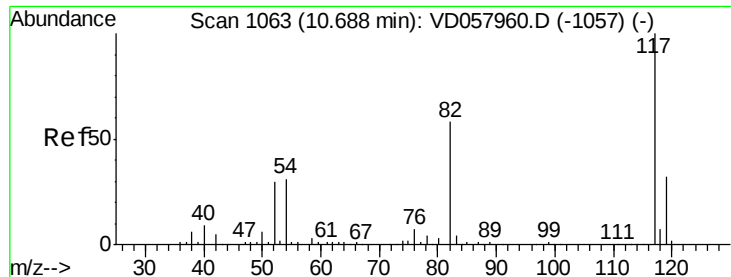
50000

0

11.90 12.00 12.10

Time-->

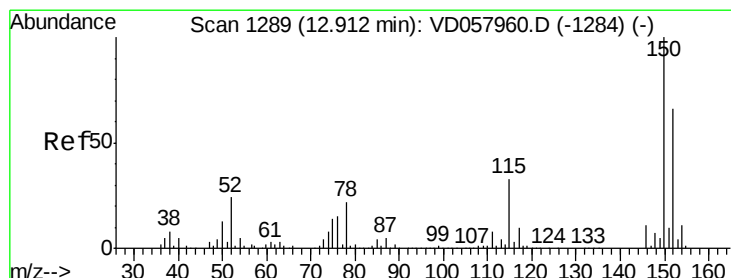
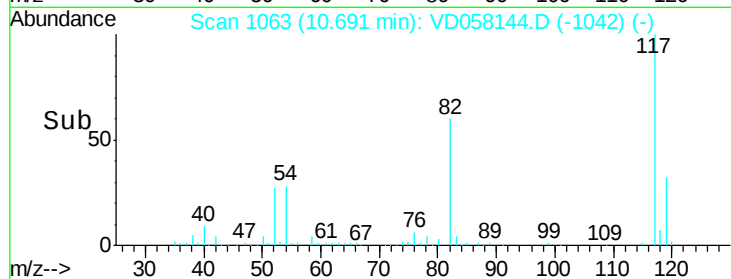
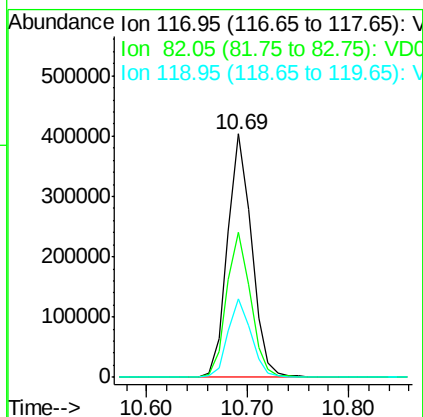
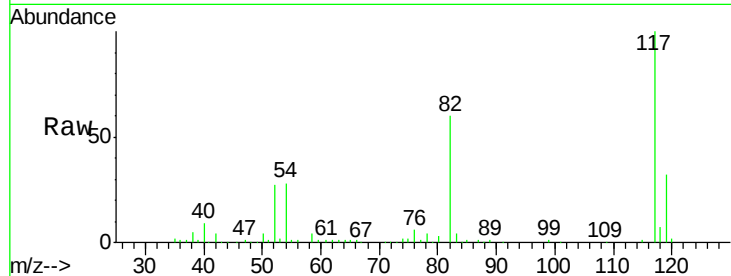




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

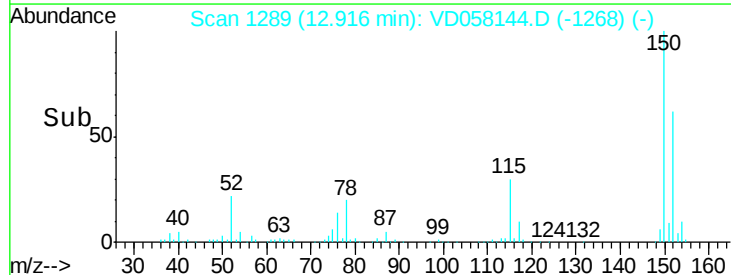
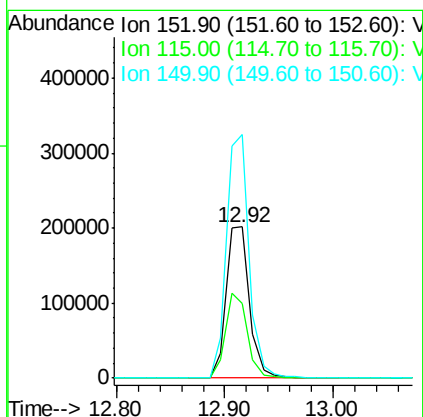
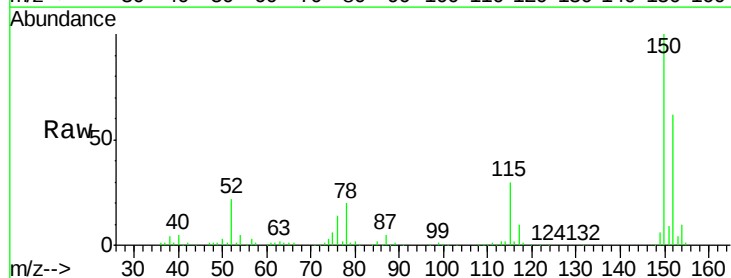
Instrument :
MSVOA_D
ClientSampleId :

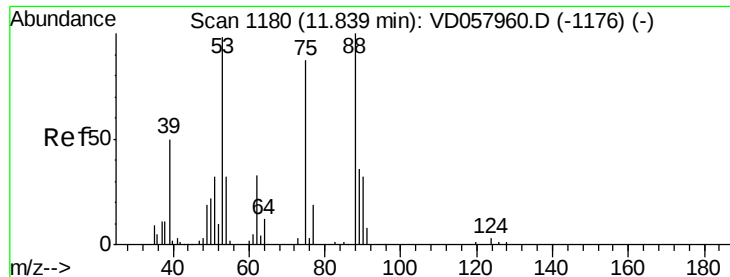
Tot Ion:117 Resp: 669867
Ion Ratio Lower Upper
117 100
82 59.5 46.8 70.2
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058144.D
Acq: 14 Jun 2018 19:13

Tgt Ion:152 Resp: 302999
Ion Ratio Lower Upper
152 100
115 49.1 25.6 76.6
150 161.1 0.0 306.8





#81

trans-1,4-Dichloro-2-butene

Concen: 109.492 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058144.D

Acq: 14 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

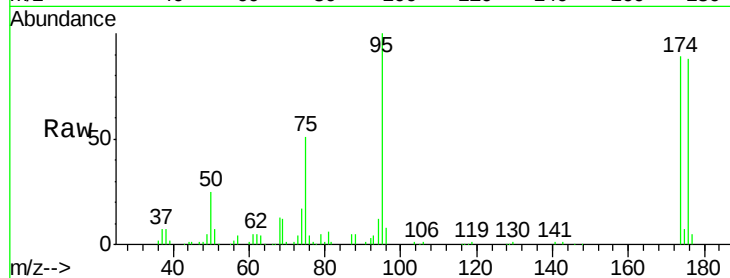
Tot Ion: 75 Resp: 123434

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

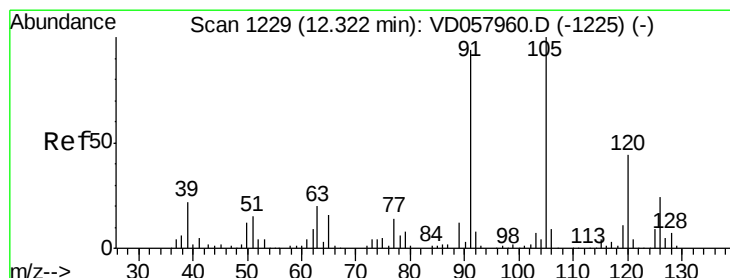
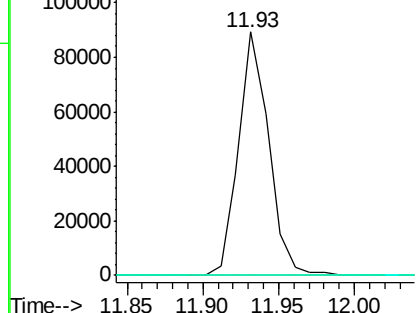
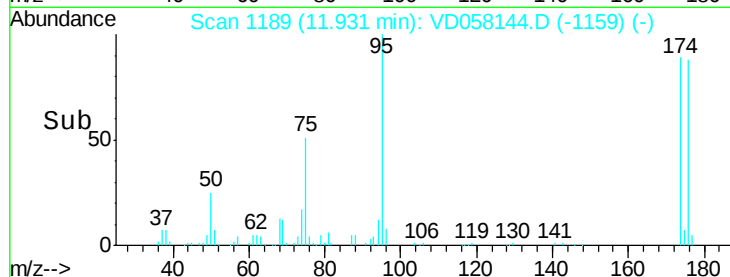
89 0.0 33.3 49.9#



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: 12.16 min Scan# 1212

Delta R.T. -0.16 min

Lab File: VD058144.D

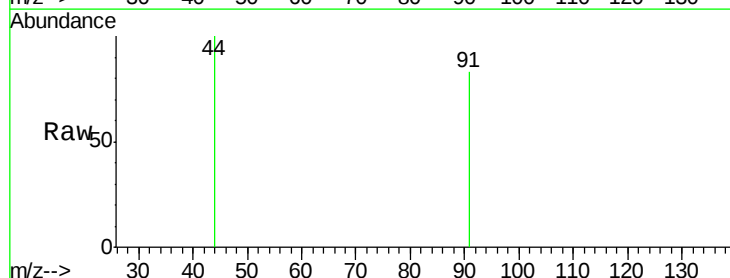
Acq: 14 Jun 2018 19:13

Tgt Ion: 91 Resp: 413

Ion Ratio Lower Upper

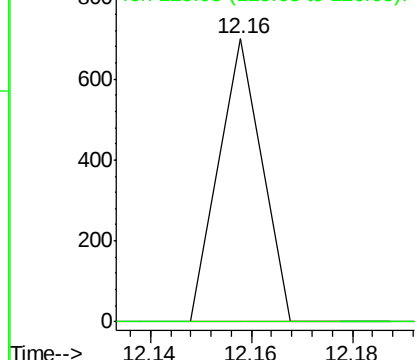
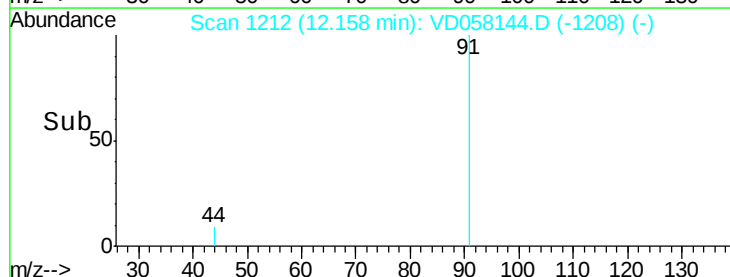
91 100

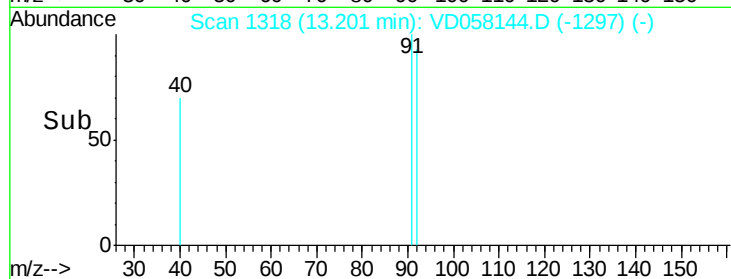
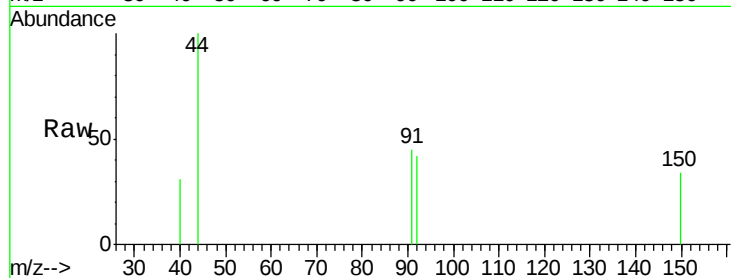
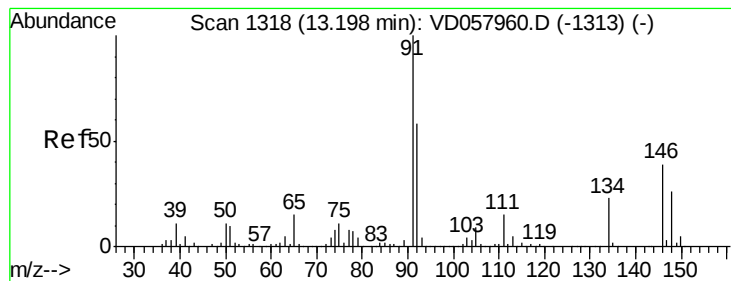
126 0.0 12.5 37.5#



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: VD058144.D

Acq: 14 Jun 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 91 Resp: 270

Ion Ratio Lower Upper

91 100

92 93.4 29.2 87.6#

134 0.0 11.3 33.9#

