

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058149.D
 Acq On : 14 Jun 2018 21:34
 Operator : VA/AP
 Sample : J3241-07
 Misc : 5.52g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:06:24 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	605351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	818483	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	433466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	248012	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	274008	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
35) Dibromofluoromethane	5.55	113	276645	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
50) Toluene-d8	8.71	98	337404	22.41	ug/l	0.00
Spiked Amount			Recovery	=	44.82%	
62) 4-Bromofluorobenzene	11.93	95	182753	27.83	ug/l	0.00
Spiked Amount			Recovery	=	55.66%	

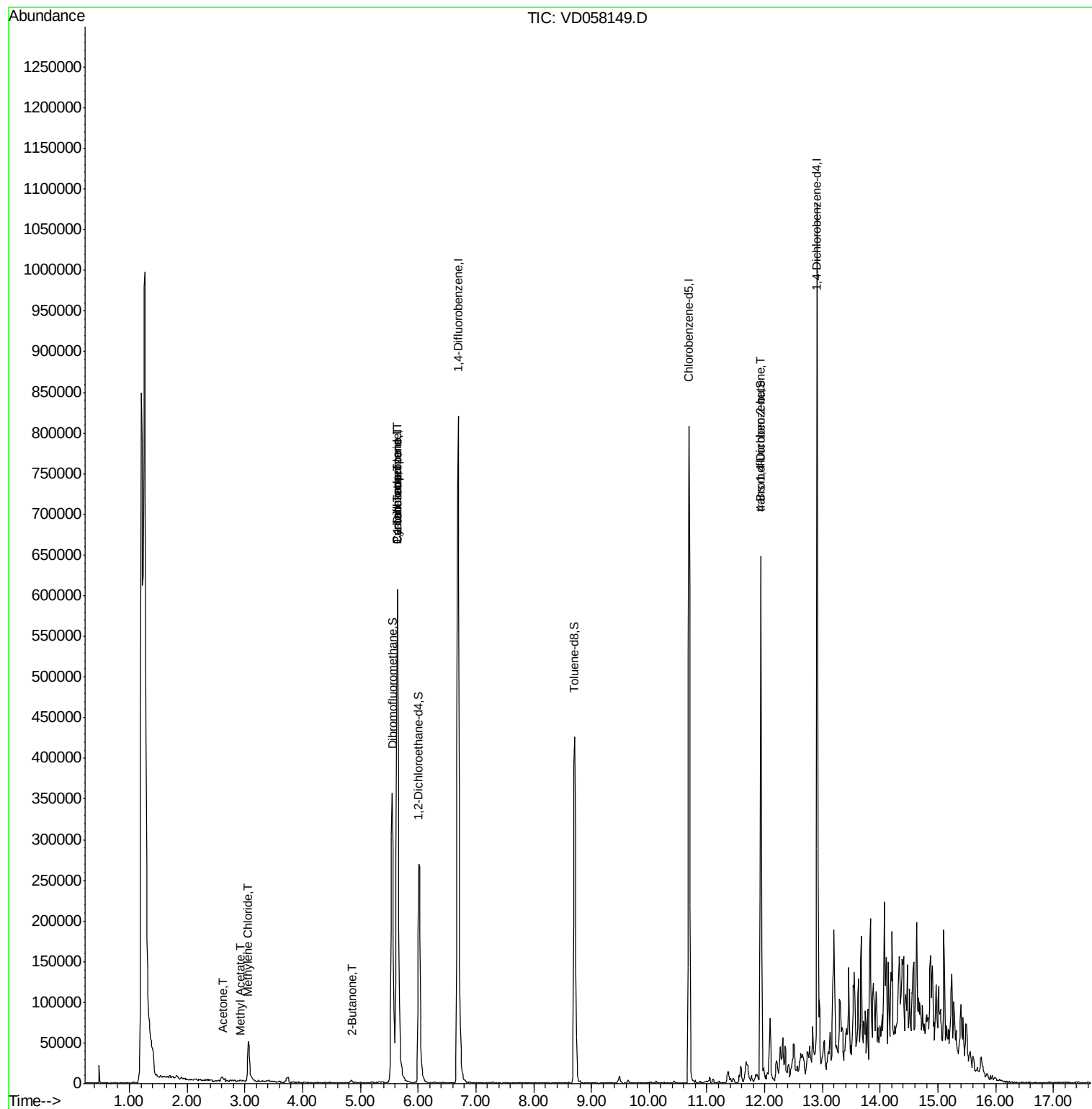
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	11679	13.394	ug/l #	91
18) Methyl Acetate	2.94	43	3178	1.884	ug/l #	66
20) Methylene Chloride	3.07	84	21232	2.589	ug/l #	90
25) 2-Butanone	4.85	43	1997	1.008	ug/l #	64
31) Cyclohexane	5.65	56	13197	1.254	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	49974	5.542	ug/l #	51
38) Carbon Tetrachloride	5.64	117	51028	5.742	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	87511	94.837	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1772	Below Cal	#	50
89) n-Butylbenzene	13.18	91	11826	Below Cal	#	1

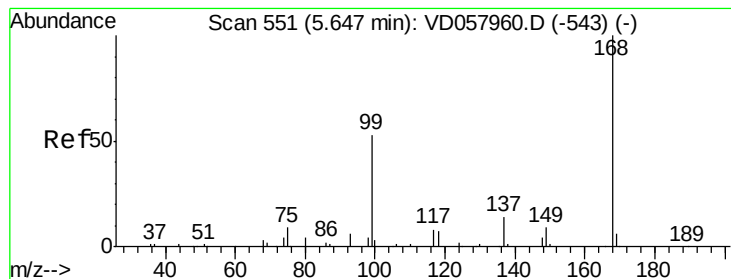
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058149.D

Acq: 14 Jun 2018 21:34

Instrument :

MSVOA_D

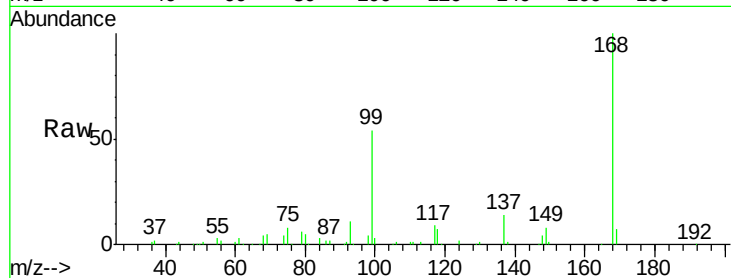
ClientSampleId :

Tot Ion:168 Resp: 605351

Ion Ratio Lower Upper

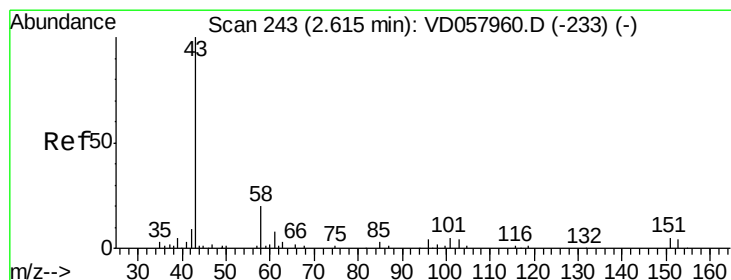
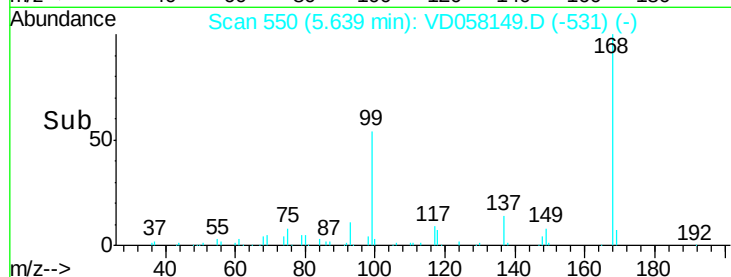
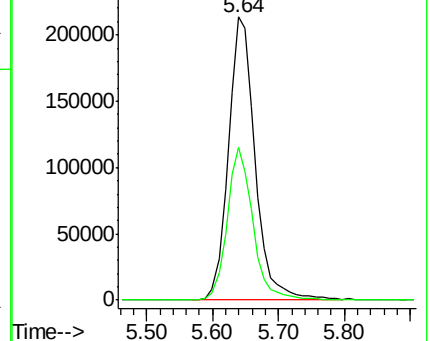
168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 13.394 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058149.D

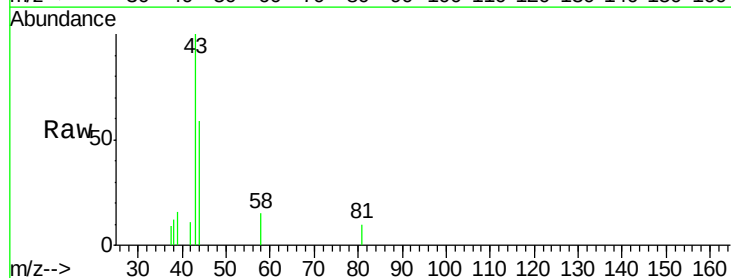
Acq: 14 Jun 2018 21:34

Tgt Ion: 43 Resp: 11679

Ion Ratio Lower Upper

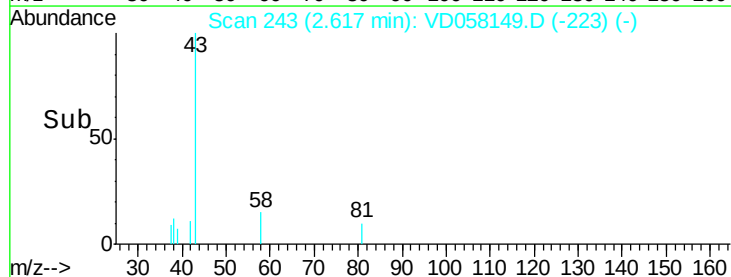
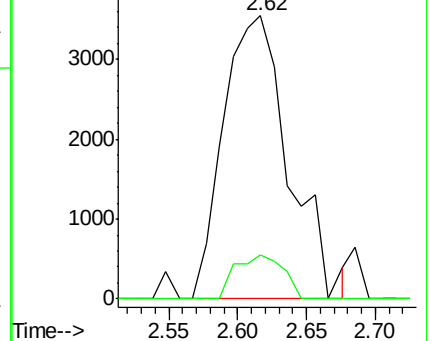
43 100

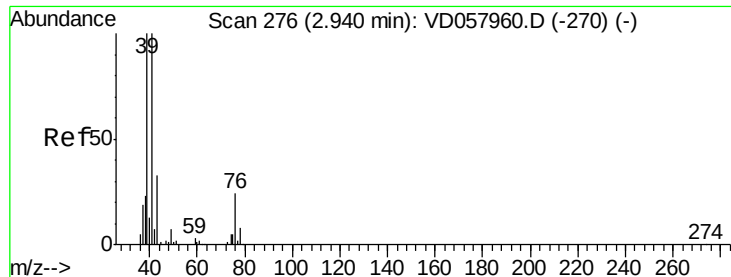
58 15.5 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

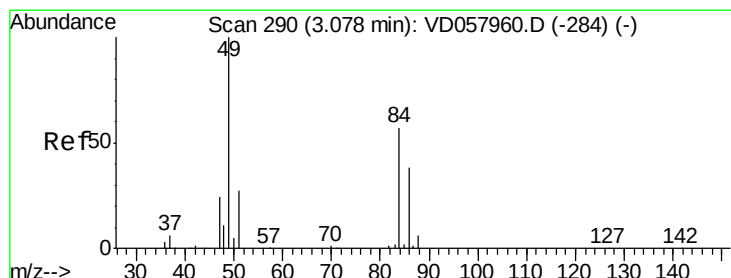
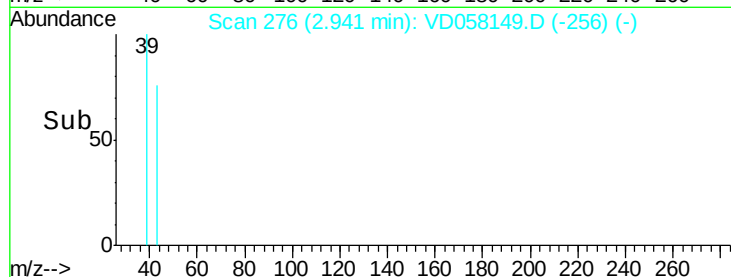
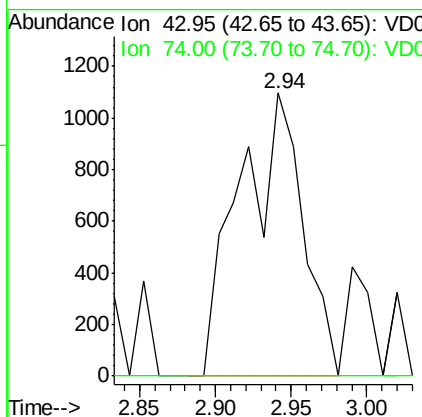
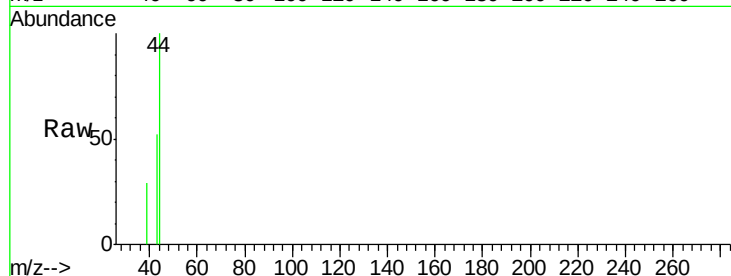




#18
Methvl Acetate
Concen: 1.884 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

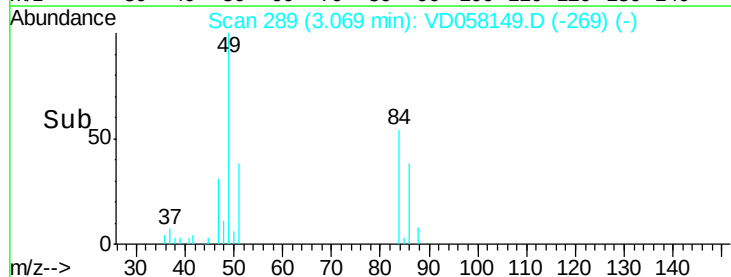
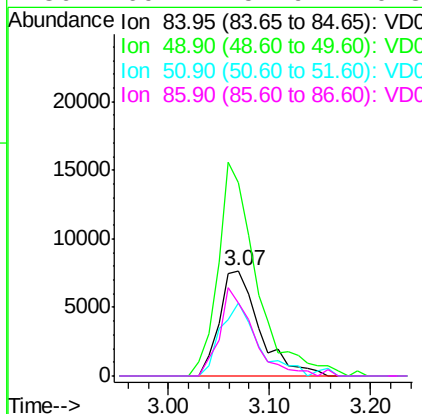
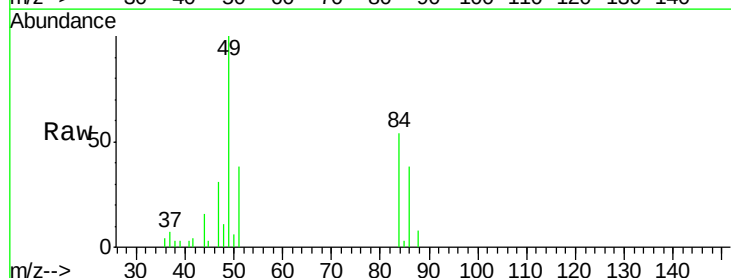
Instrument :
MSVOA_D
ClientSampleId :

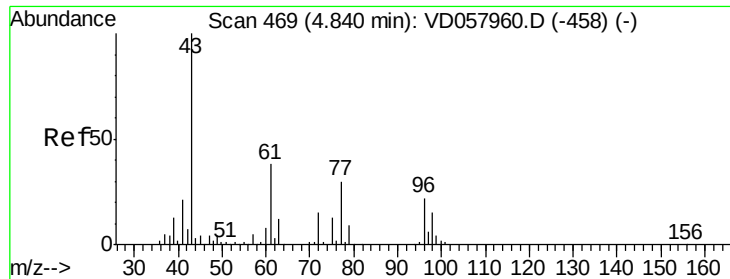
Tot Ion: 43 Resp: 3178
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#20
Methylene Chloride
Concen: 2.589 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

Tgt Ion: 84 Resp: 21232
Ion Ratio Lower Upper
84 100
49 183.8 141.4 212.0
51 70.1 38.3 57.5#
86 69.7 52.9 79.3





#25

2-Butanone

Concen: 1.008 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058149.D

Acq: 14 Jun 2018 21:34

Instrument :

MSVOA_D

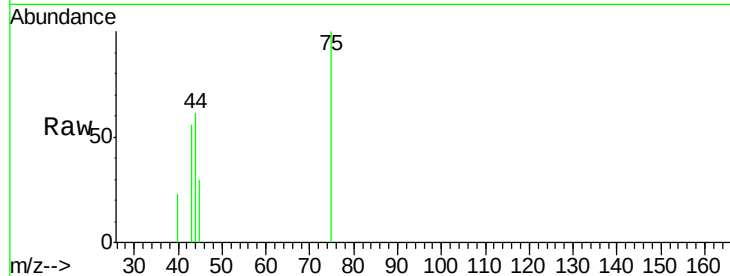
ClientSampleId :

Tot Ion: 43 Resp: 1997

Ion Ratio Lower Upper

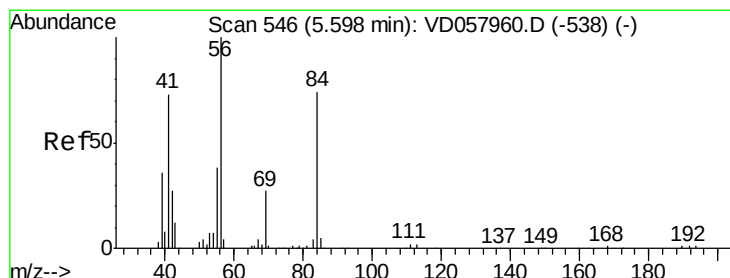
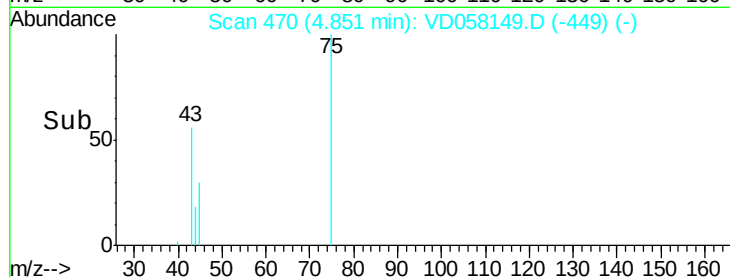
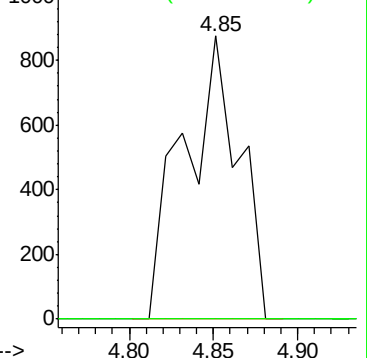
43 100

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: 1.254 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.05 min

Lab File: VD058149.D

Acq: 14 Jun 2018 21:34

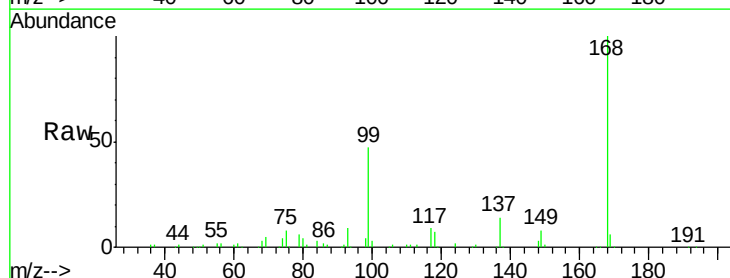
Tgt Ion: 56 Resp: 13197

Ion Ratio Lower Upper

56 100

69 227.8 21.5 32.3#

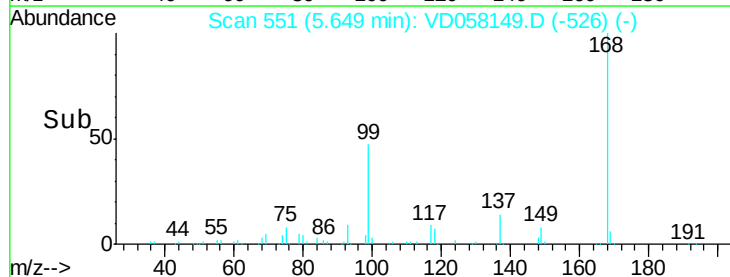
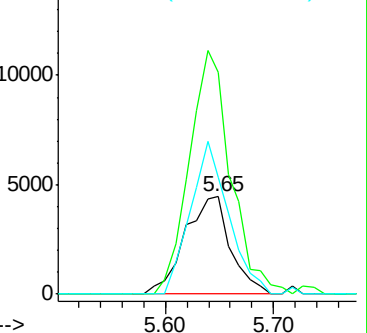
84 119.9 61.0 91.6#

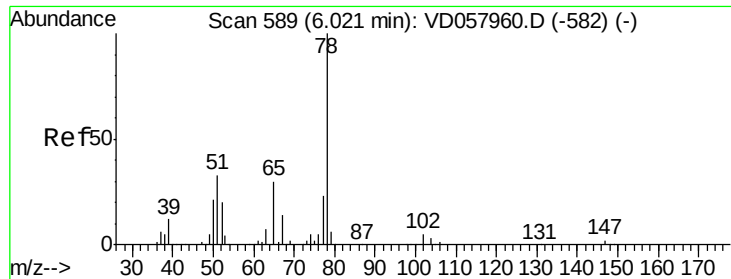


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

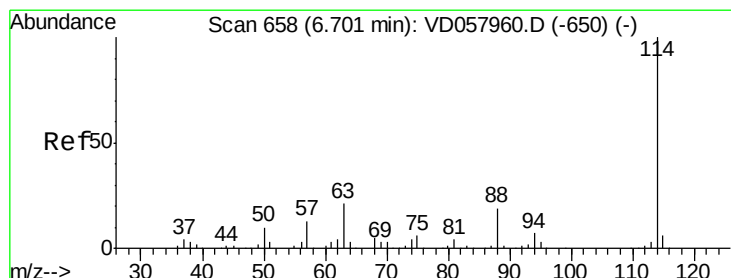
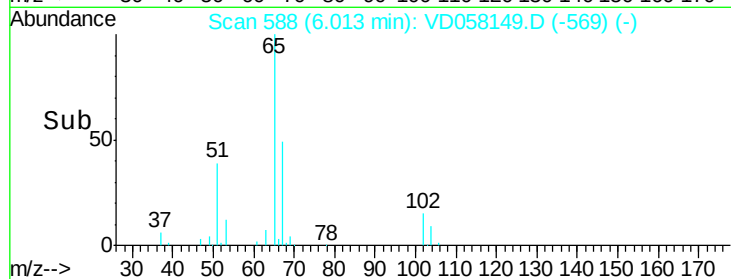
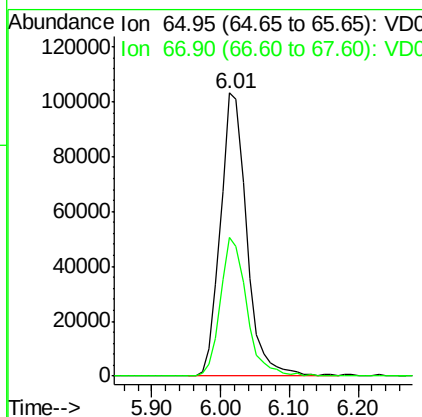
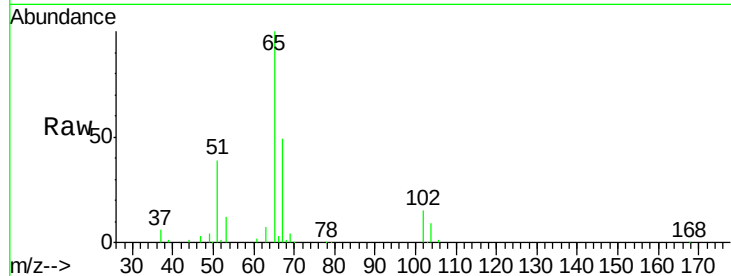




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058149.D
 Acq: 14 Jun 2018 21:34

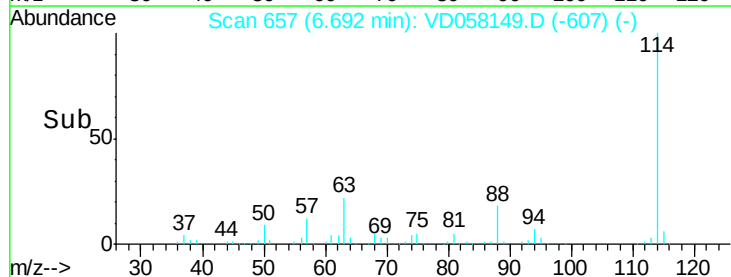
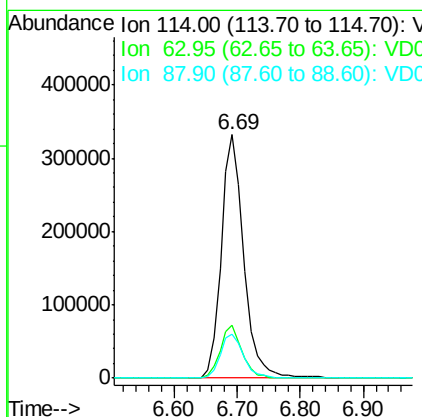
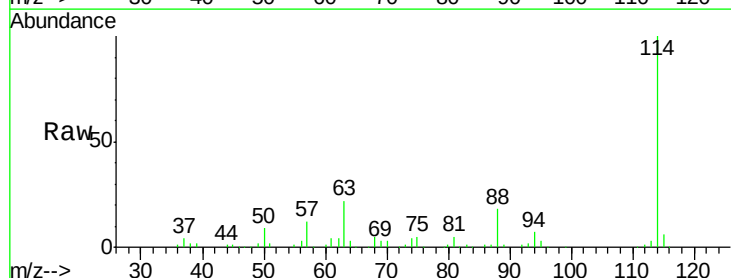
Instrument :
 MSVOA_D
 ClientSampled :

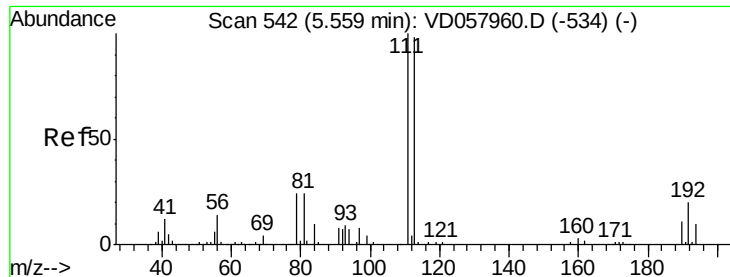
Tot Ion: 65 Resp: 274008
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058149.D
 Acq: 14 Jun 2018 21:34

Tgt Ion: 114 Resp: 818483
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.8
 88 18.1 0.0 37.8

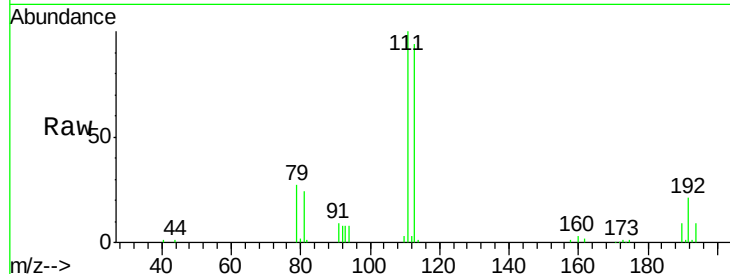




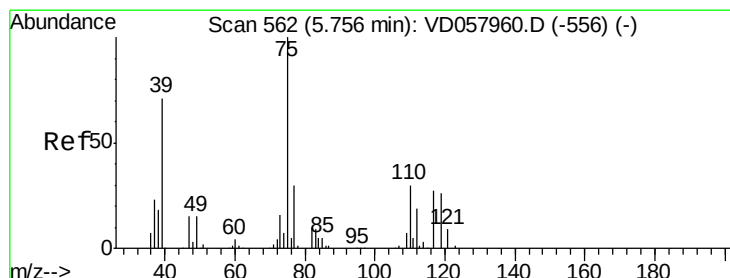
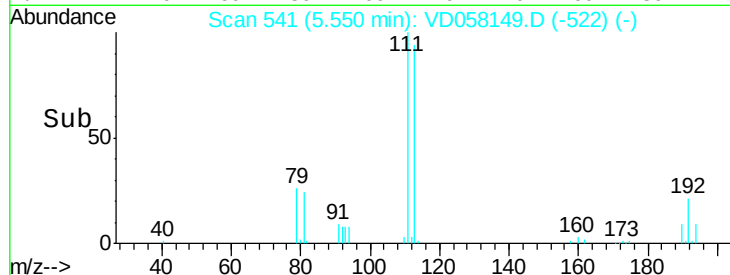
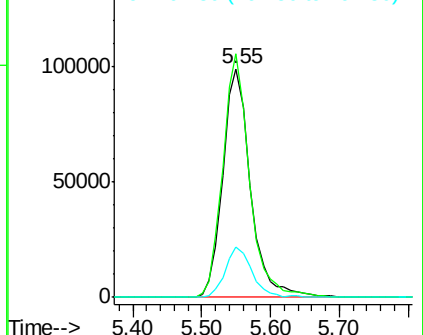
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 276645
Ion Ratio Lower Upper
113 100
111 106.5 81.5 122.3
192 22.2 16.4 24.6

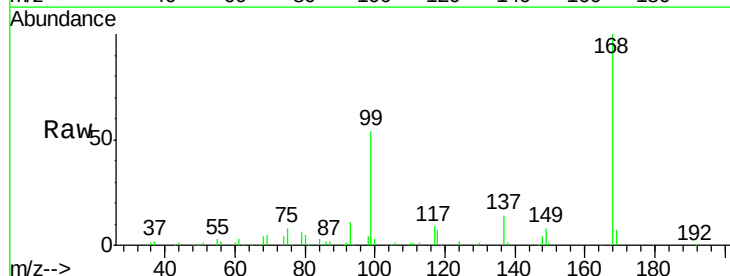


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

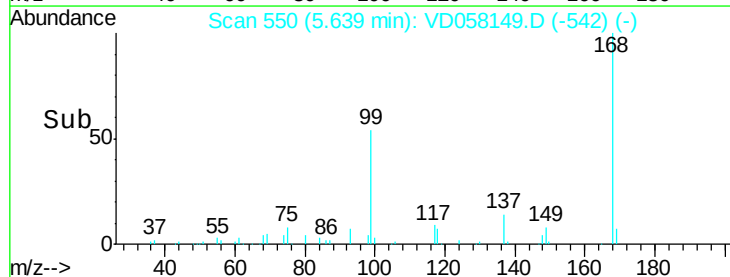
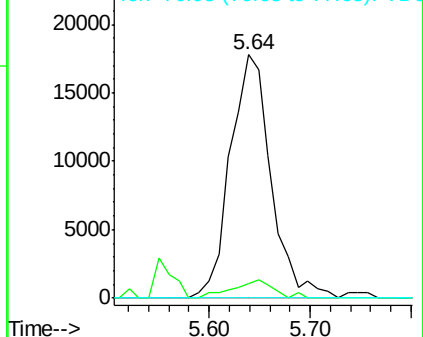


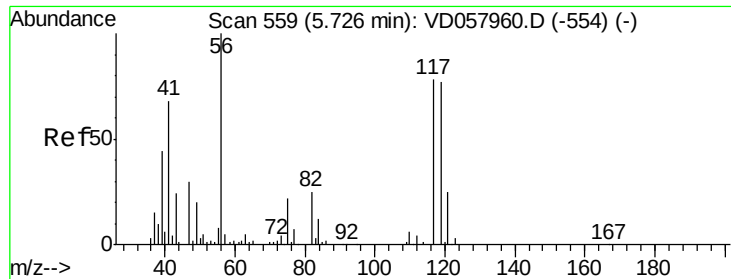
#36
1,1-Dichloropropene
Concen: 5.542 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.12 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

Tgt Ion: 75 Resp: 49974
Ion Ratio Lower Upper
75 100
110 6.2 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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058149.D

Acq: 14 Jun 2018 21:34

Instrument :

MSVOA_D

ClientSampleId :

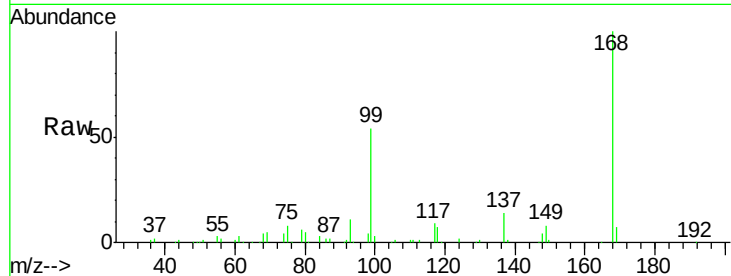
Tot Ion:117 Resp: 51028

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

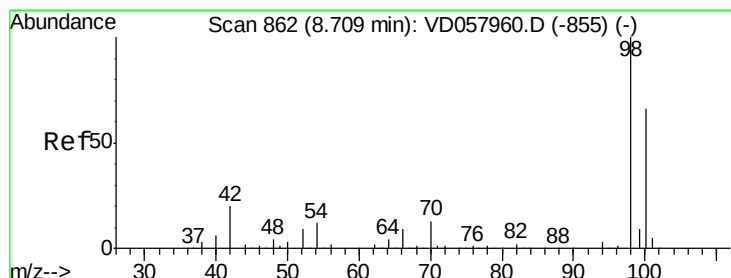
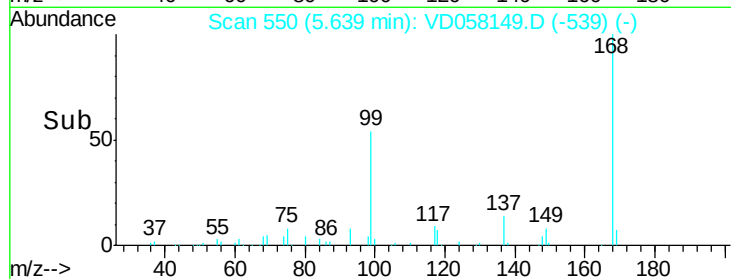
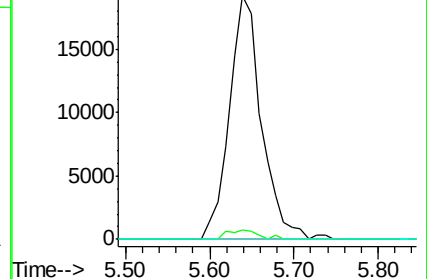
121 0.0 24.9 37.3#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058149.D

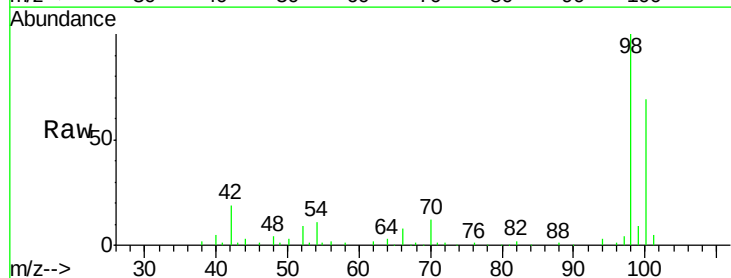
Acq: 14 Jun 2018 21:34

Tgt Ion: 98 Resp: 337404

Ion Ratio Lower Upper

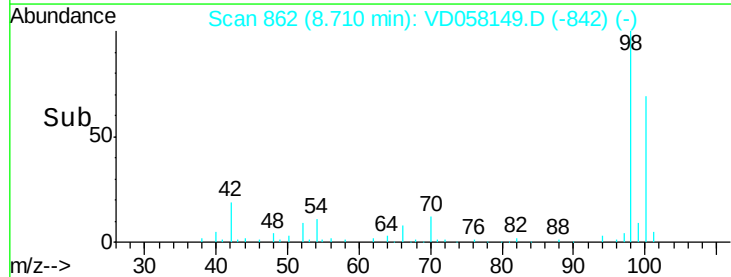
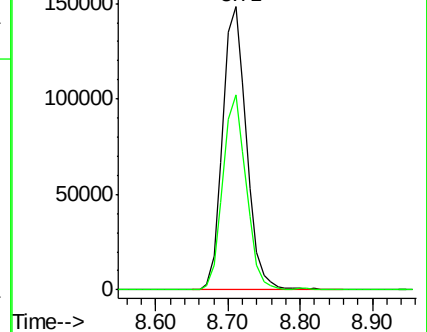
98 100

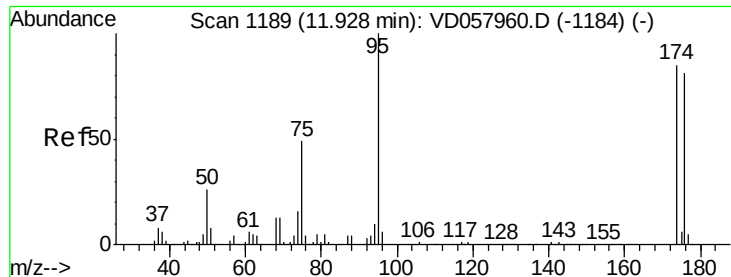
100 68.8 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

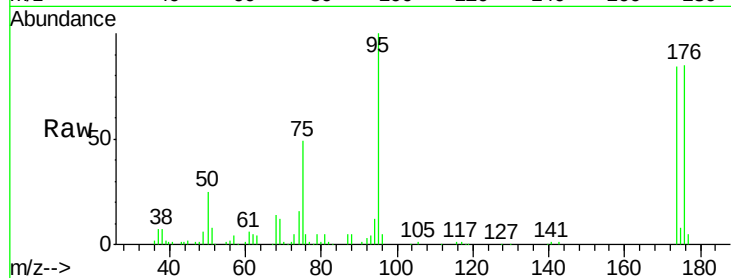




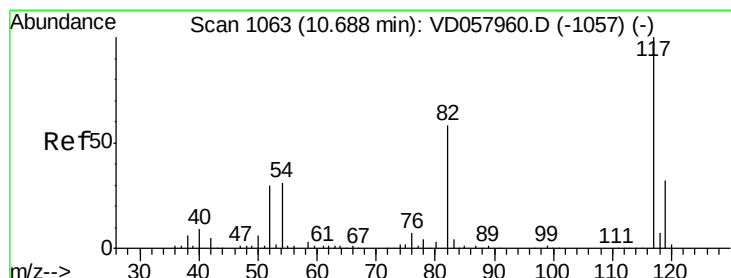
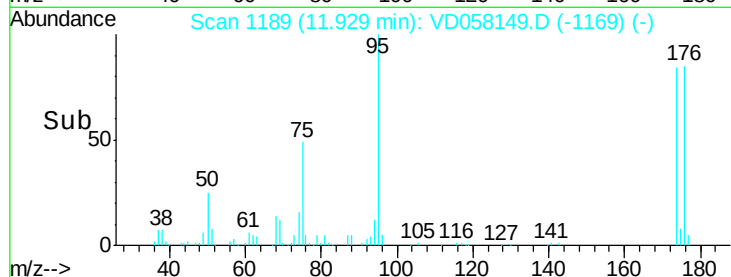
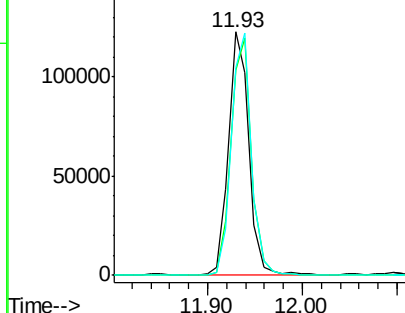
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 182753
Ion Ratio Lower Upper
95 100
174 84.2 0.0 169.4
176 85.2 0.0 162.6

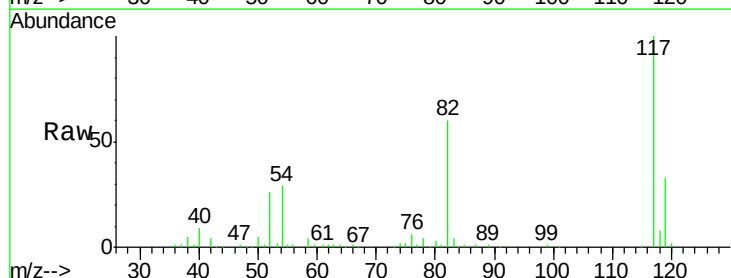


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

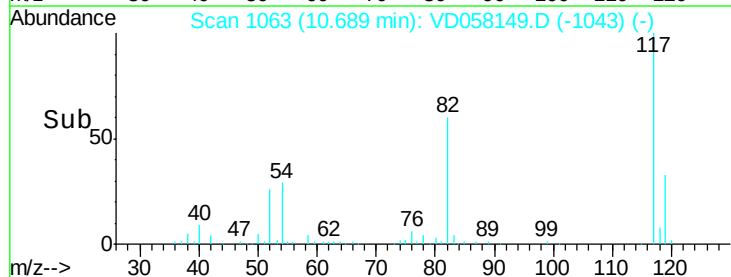
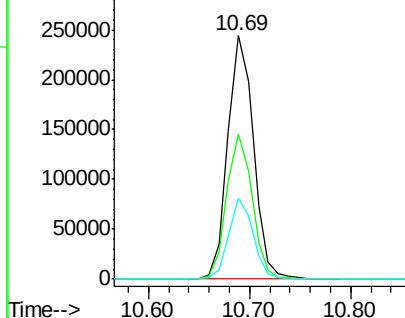


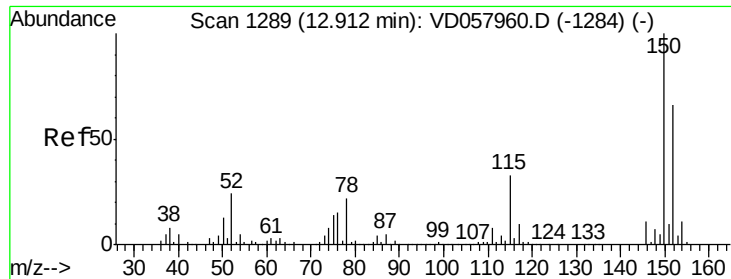
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058149.D
Acq: 14 Jun 2018 21:34

Tgt Ion: 117 Resp: 433466
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 33.2 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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058149.D

Acq: 14 Jun 2018 21:34

Instrument :

MSVOA_D

ClientSampleId :

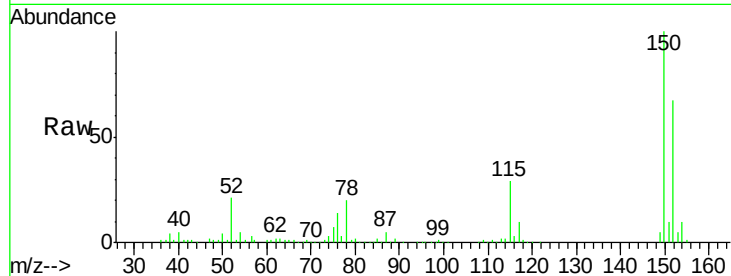
Tot Ion:152 Resp: 248012

Ion Ratio Lower Upper

152 100

115 43.1 25.6 76.6

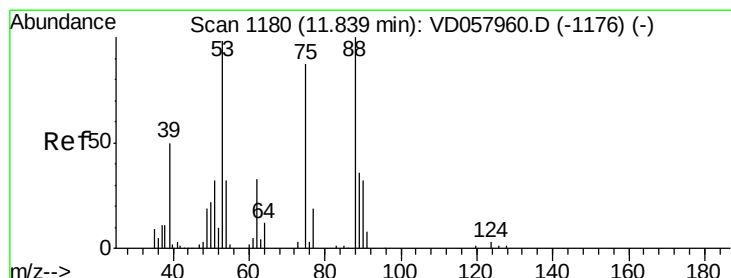
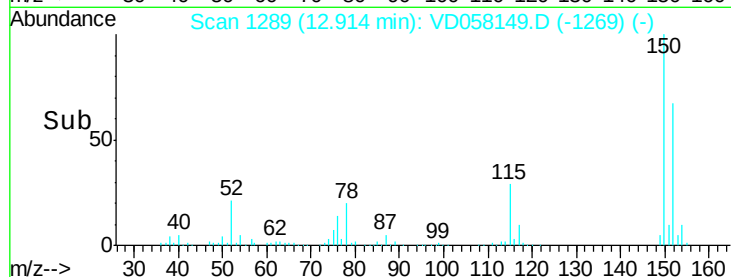
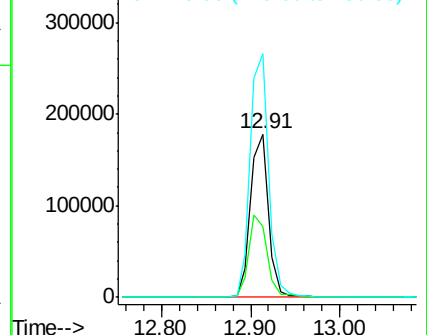
150 149.4 0.0 306.8



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: 94.837 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058149.D

Acq: 14 Jun 2018 21:34

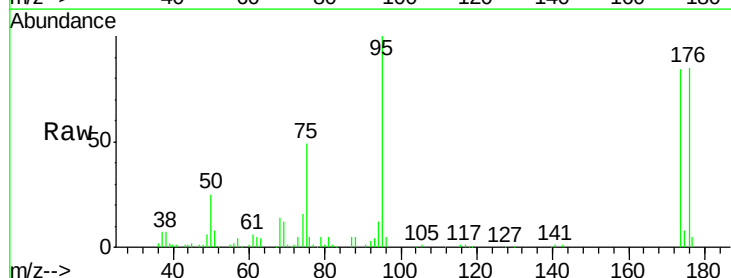
Tgt Ion: 75 Resp: 87511

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

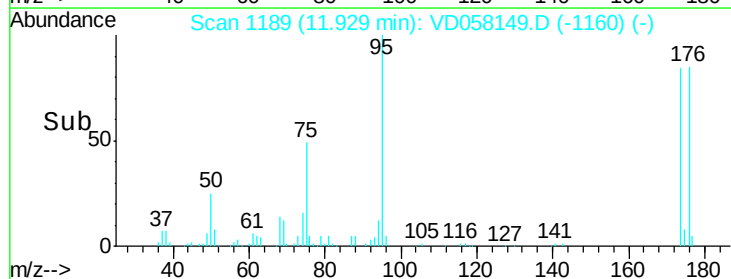
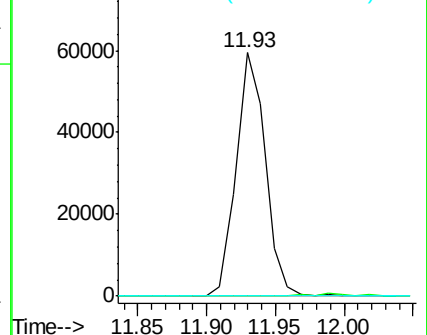
89 0.0 33.3 49.9#

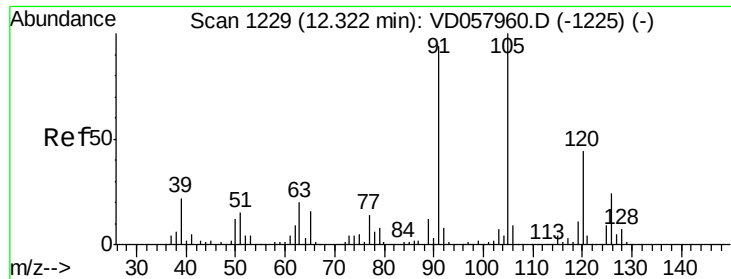


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

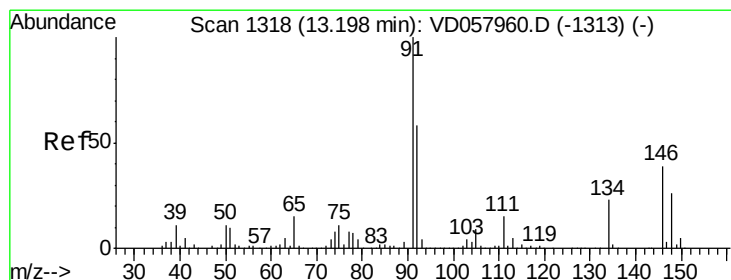
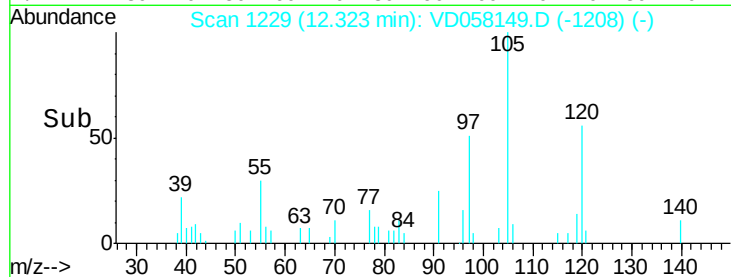
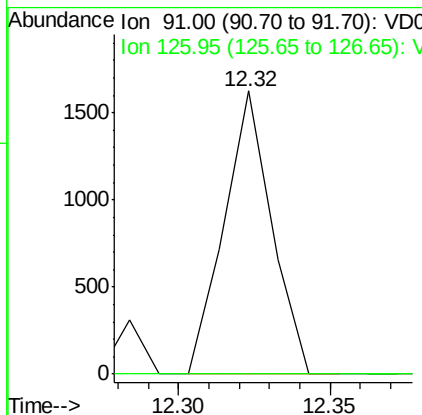
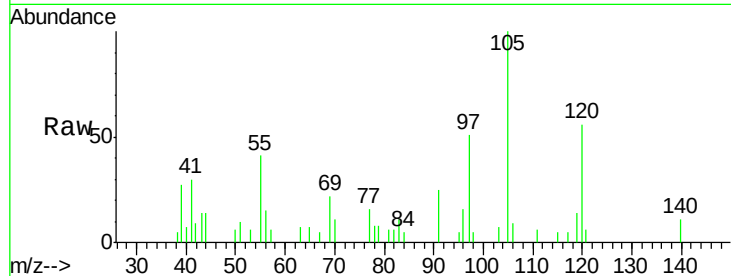




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058149.D
 Acq: 14 Jun 2018 21:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1772
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: VD058149.D
 Acq: 14 Jun 2018 21:34

Tgt Ion: 91 Resp: 11826
 Ion Ratio Lower Upper
 91 100
 92 11.7 29.2 87.6#
 134 149.1 11.3 33.9#

