

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058188.D
 Acq On : 18 Jun 2018 18:34
 Operator : VA/AP
 Sample : J3554-06
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:50:29 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	526165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	711396	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	555235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	268317	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	356043	67.69	ug/l	0.00
Spiked Amount			Recovery	=	135.38%	
35) Dibromofluoromethane	5.54	113	341424	62.03	ug/l	-0.02
Spiked Amount			Recovery	=	124.06%	
50) Toluene-d8	8.71	98	723496	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	11.93	95	286830	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	

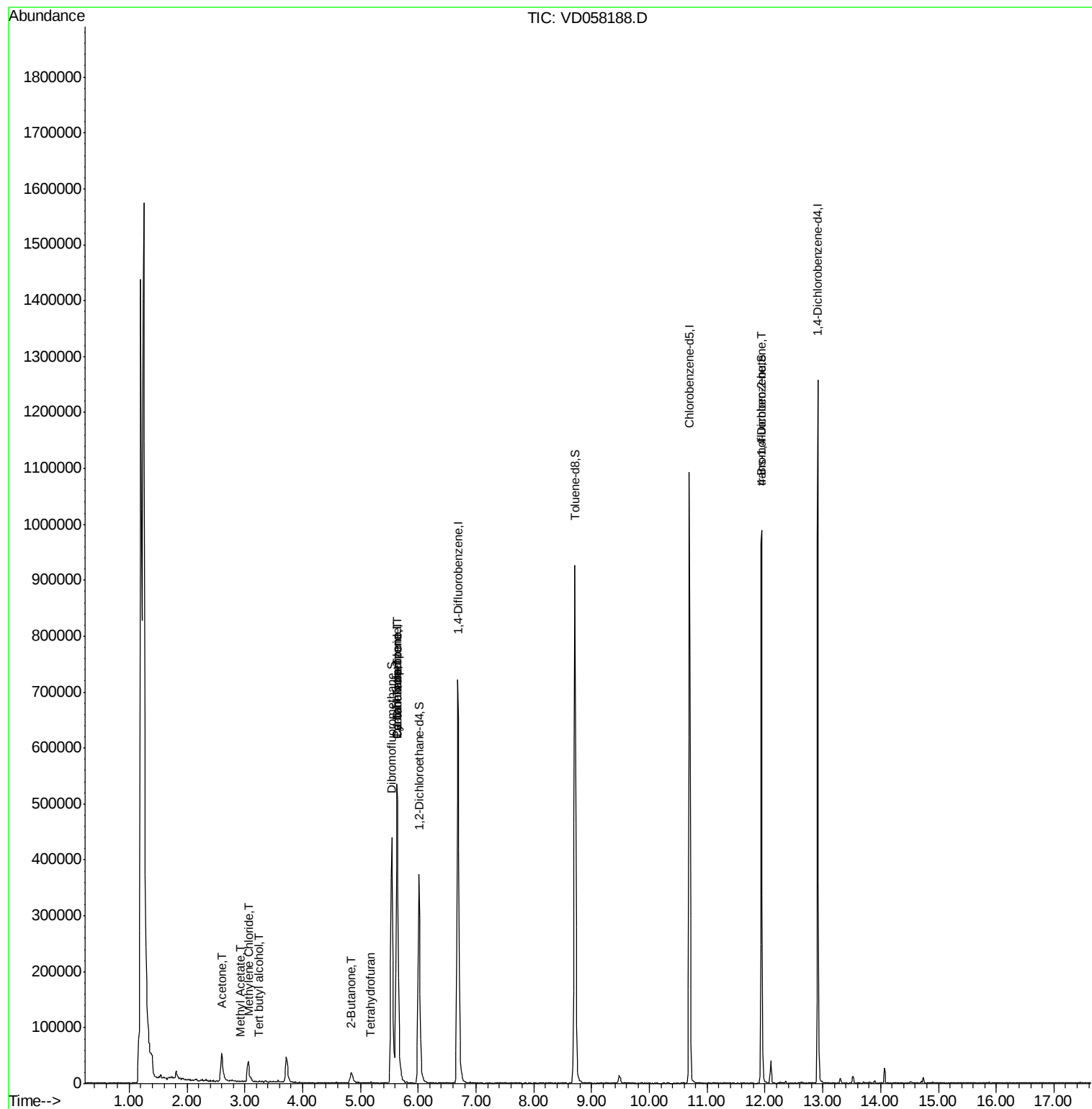
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.25	59	313	2.221	ug/l #	74
16) Acetone	2.60	43	104716	138.171	ug/l	96
18) Methyl Acetate	2.92	43	3447	2.351	ug/l #	66
20) Methylene Chloride	3.06	84	18589	2.684	ug/l #	91
25) 2-Butanone	4.85	43	4205	2.441	ug/l #	64
29) Tetrahydrofuran	5.19	42	2125	2.354	ug/l #	68
31) Cyclohexane	5.64	56	12194	1.333	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	43212	5.513	ug/l #	51
38) Carbon Tetrachloride	5.63	117	42633	5.519	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.93	75	141386	141.627	ug/l #	6
82) 4-Chlorotoluene	12.32	91	419	Below Cal	#	50

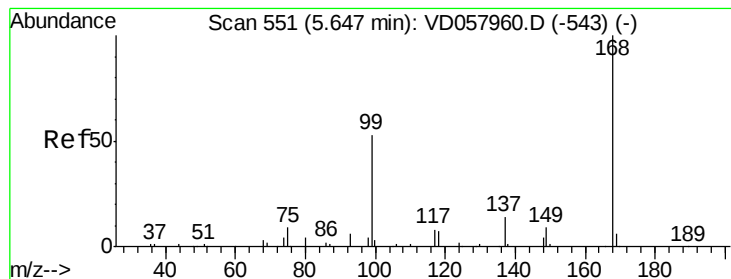
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058188.D

Acq: 18 Jun 2018 18:34

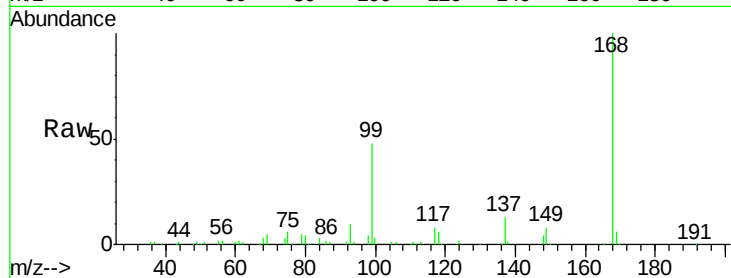
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 526165

Ion Ratio Lower Upper

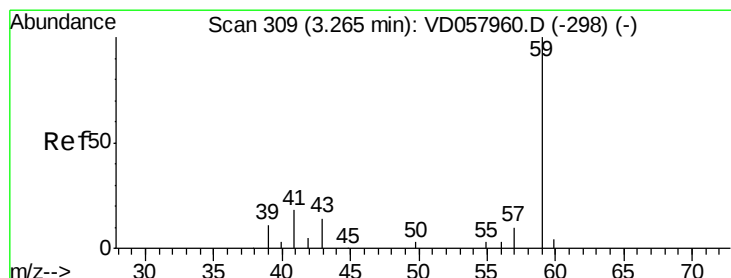
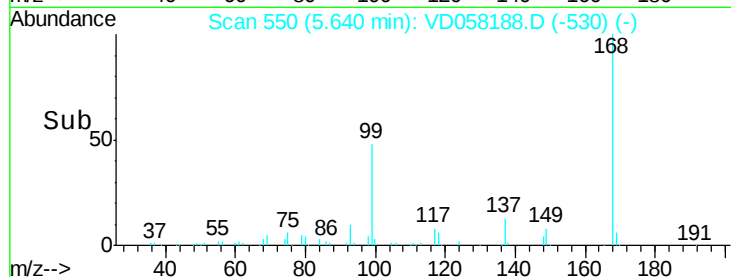
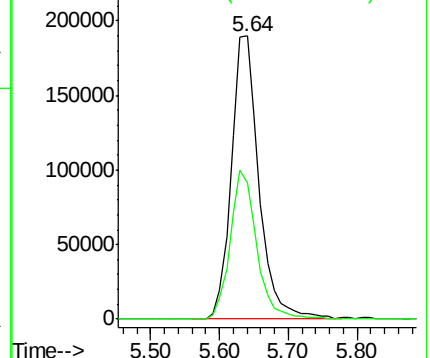
168 100

99 48.1 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: 2.221 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD058188.D

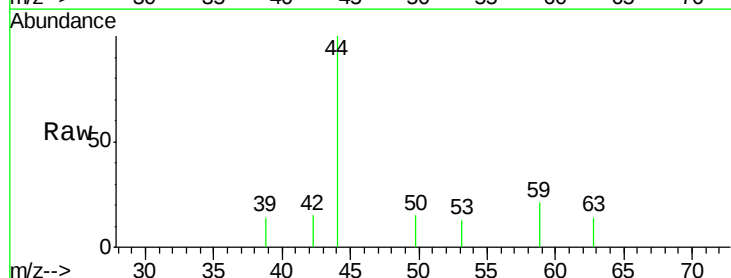
Acq: 18 Jun 2018 18:34

Tgt Ion: 59 Resp: 313

Ion Ratio Lower Upper

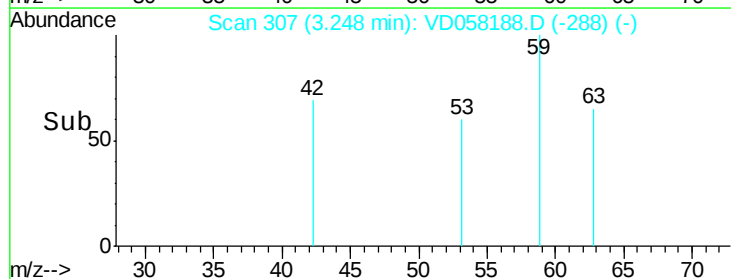
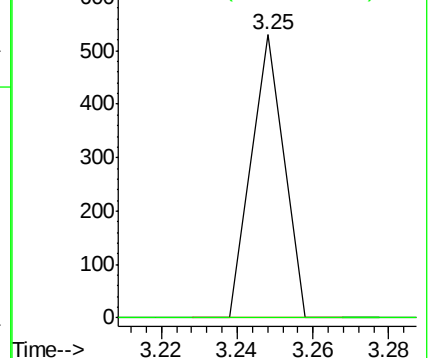
59 100

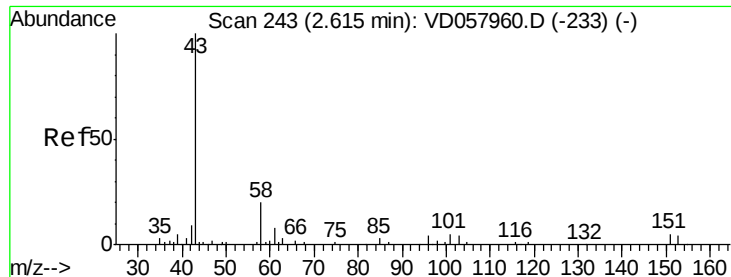
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 138.171 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

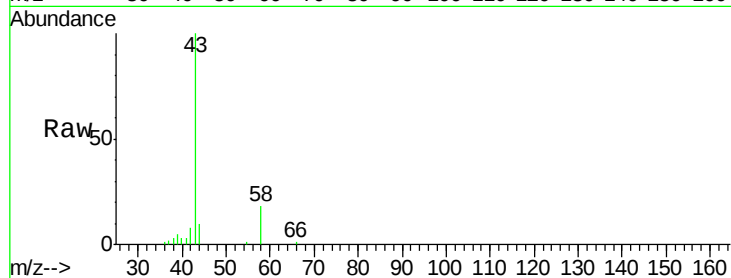
ClientSampleId :

Tot Ion: 43 Resp: 104716

Ion Ratio Lower Upper

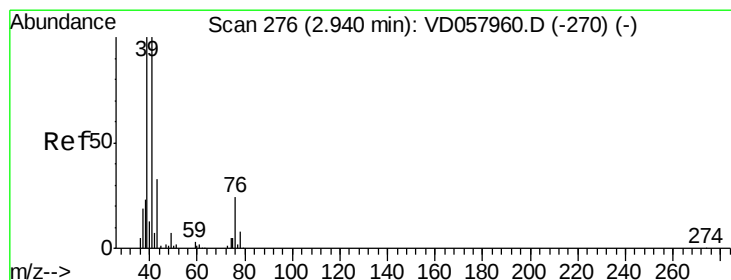
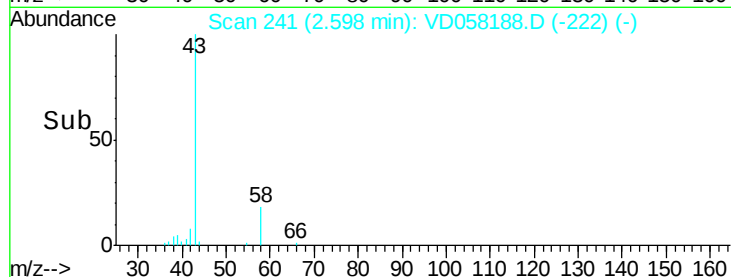
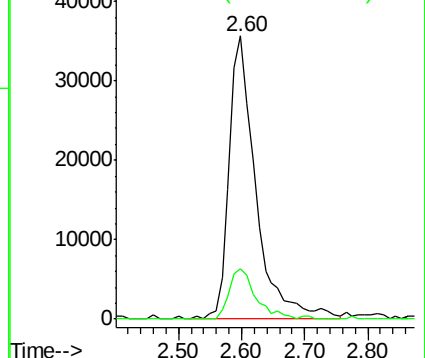
43 100

58 18.0 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.351 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD058188.D

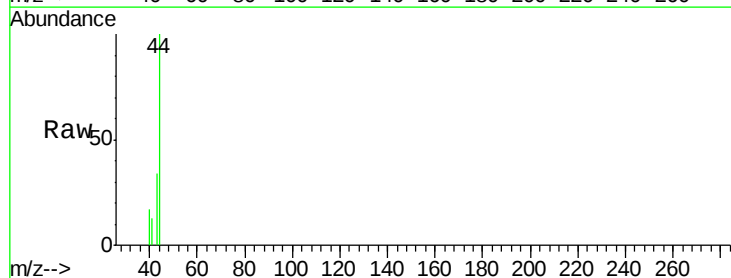
Acq: 18 Jun 2018 18:34

Tgt Ion: 43 Resp: 3447

Ion Ratio Lower Upper

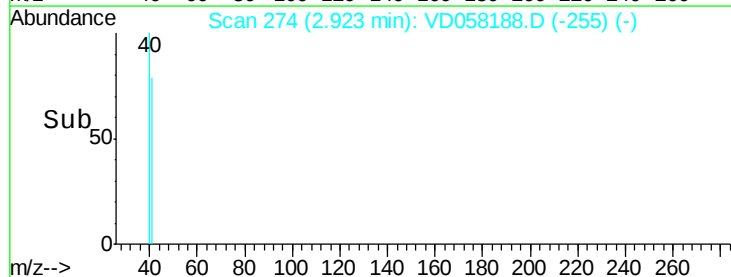
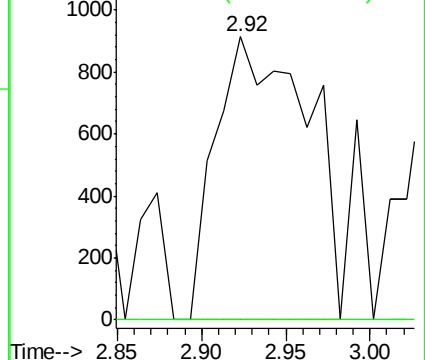
43 100

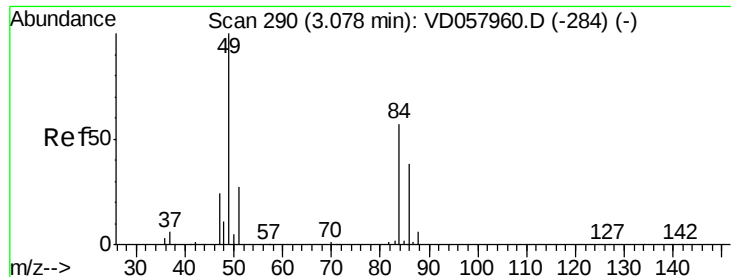
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 2.684 ug/l

RT: 3.06 min Scan# 288

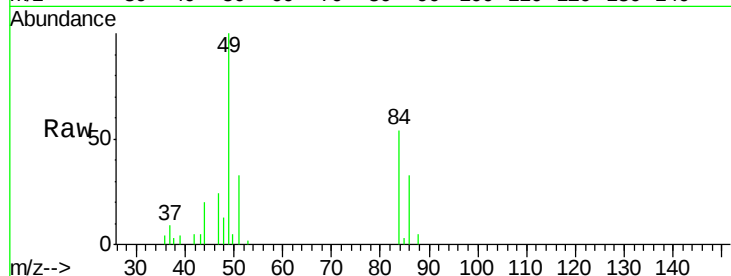
Delta R.T. -0.02 min

Lab File: VD058188.D

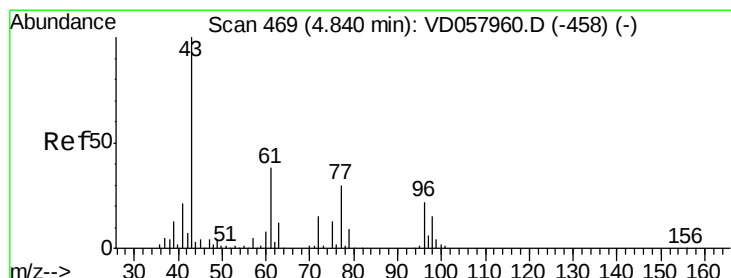
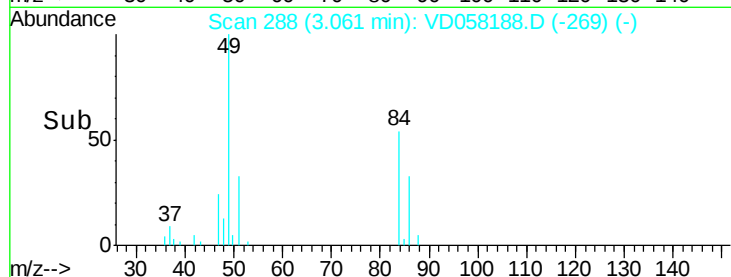
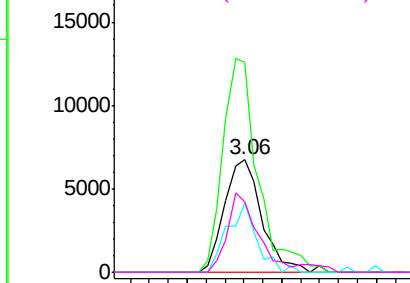
Acq: 18 Jun 2018 18:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	18589
Ion	Ratio	Lower	Upper
84	100		
49	186.8	141.4	212.0
51	61.4	38.3	57.5#
86	62.5	52.9	79.3



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 2.441 ug/l

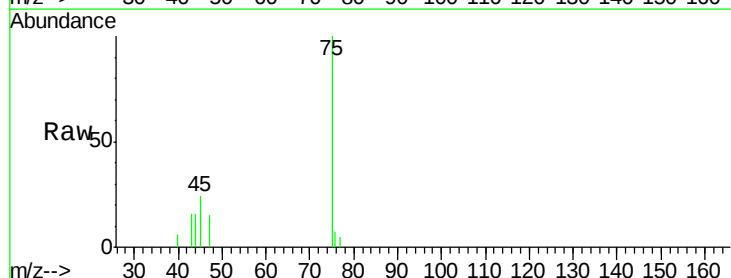
RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

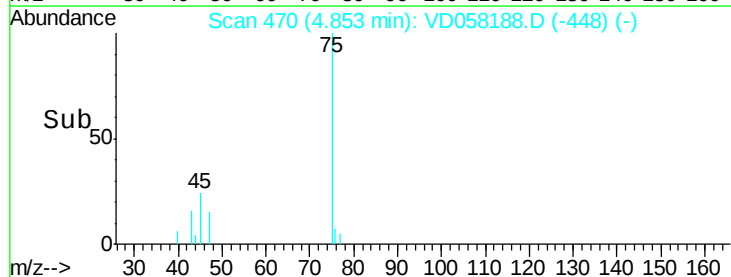
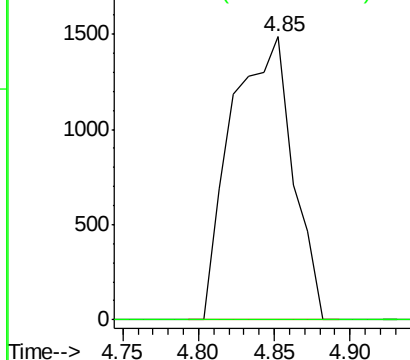
Lab File: VD058188.D

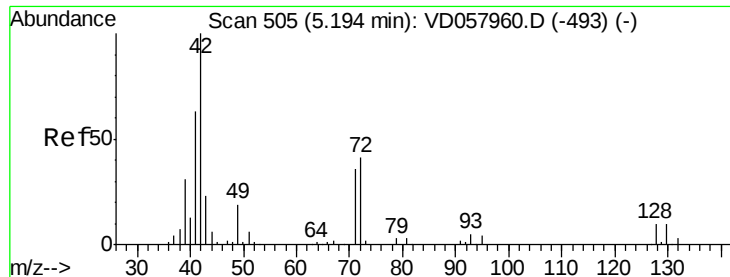
Acq: 18 Jun 2018 18:34

Tgt Ion:	43	Resp:	4205
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

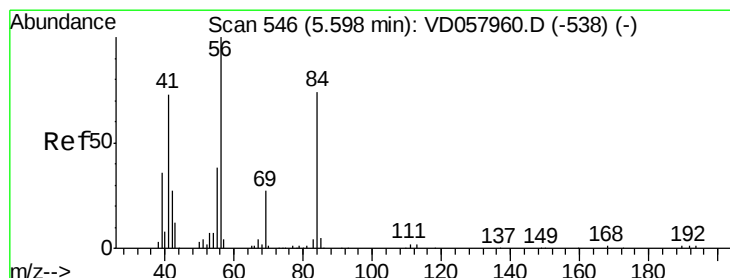
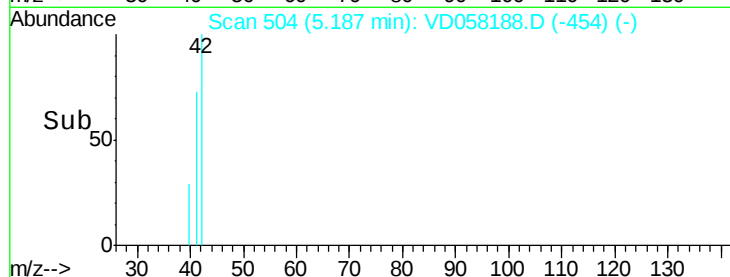
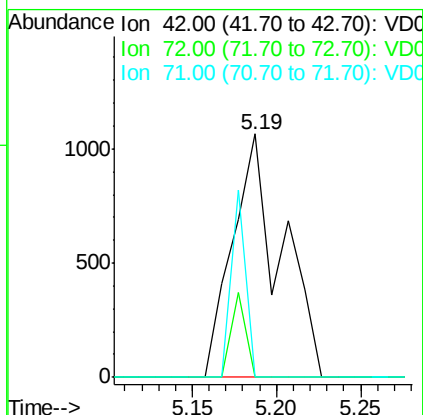
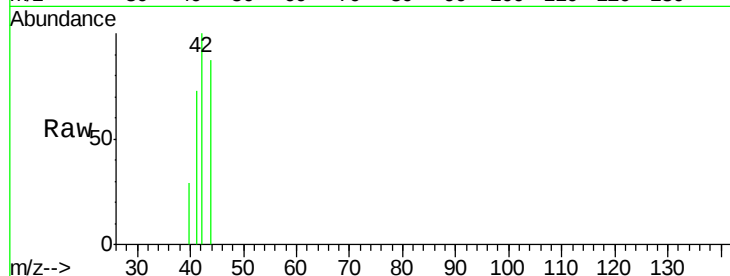




#29
Tetrahydrofuran
Concen: 2.354 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058188.D
Acq: 18 Jun 2018 18:34

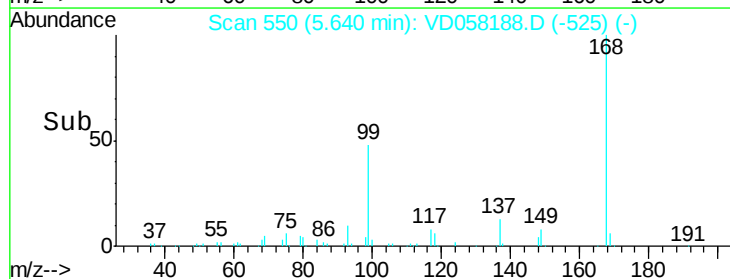
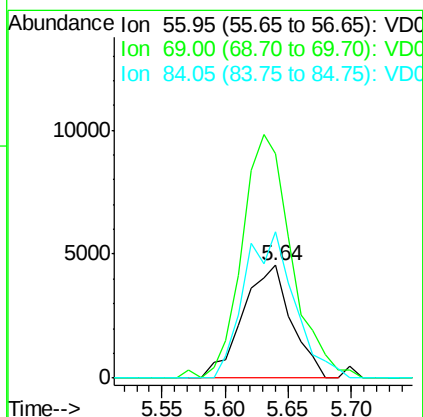
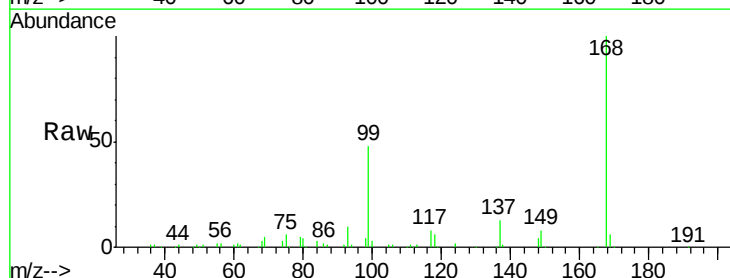
Instrument :
MSVOA_D
ClientSampleId :

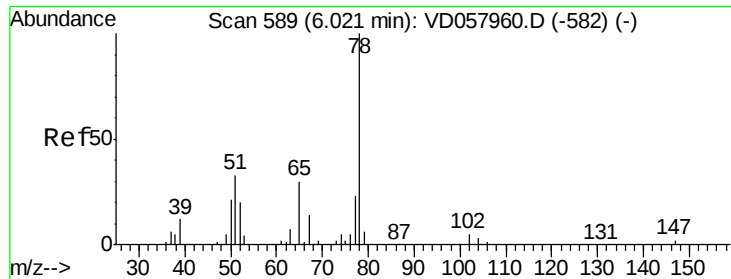
Tot Ion	Ratio	Lower	Upper
42	100		
72	10.4	28.5	42.7#
71	22.8	27.9	41.9#



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058188.D
Acq: 18 Jun 2018 18:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	199.1	21.5	32.3#
84	130.6	61.0	91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

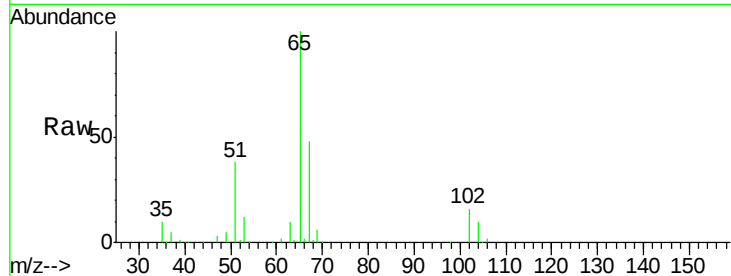
ClientSampleId :

Tot Ion: 65 Resp: 356043

Ion Ratio Lower Upper

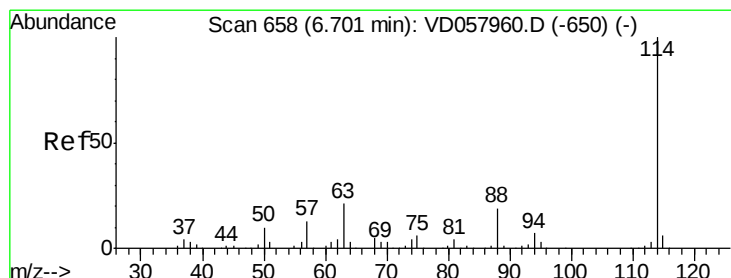
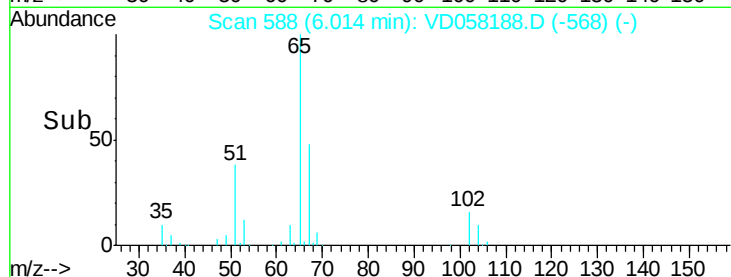
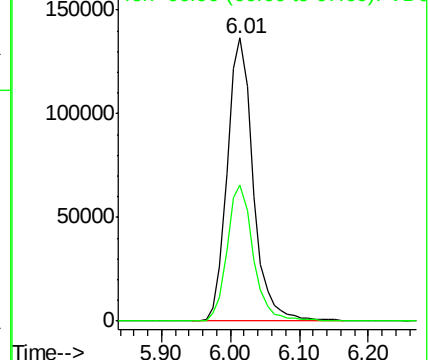
65 100

67 48.2 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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

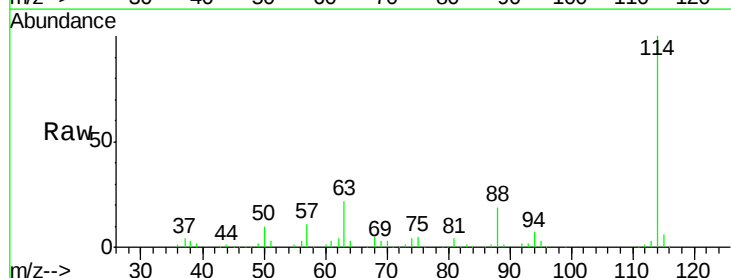
Tgt Ion: 114 Resp: 711396

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

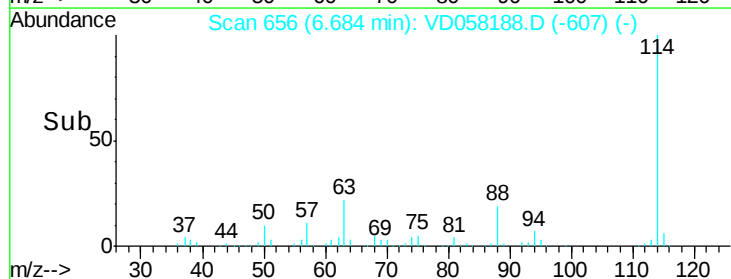
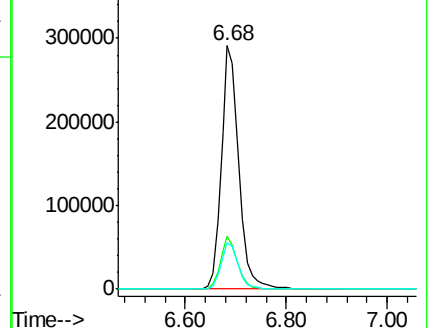
88 19.2 0.0 37.8

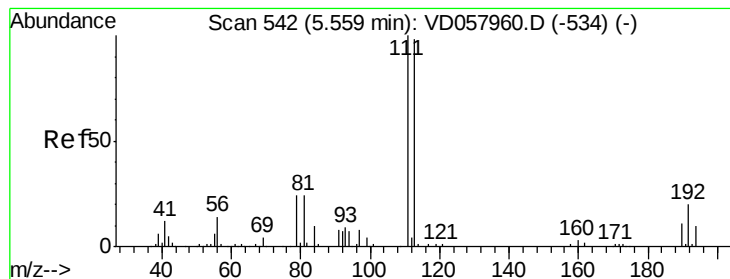


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

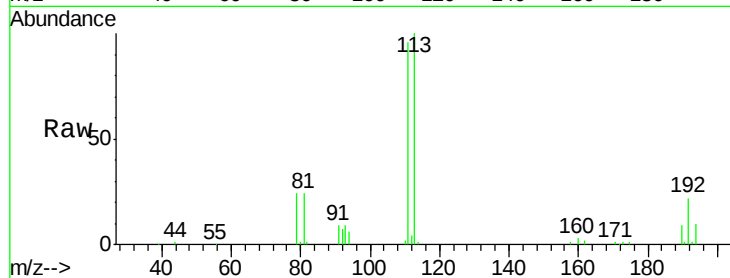
Tot Ion:113 Resp: 341424

Ion Ratio Lower Upper

113 100

111 96.0 81.5 122.3

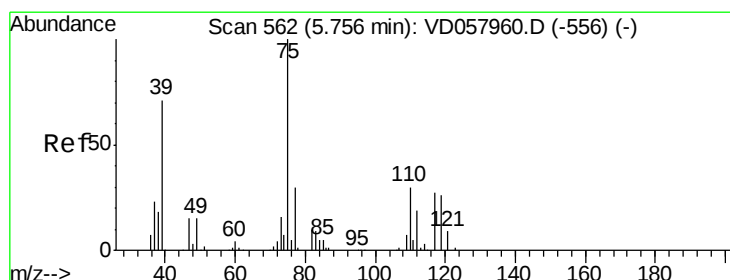
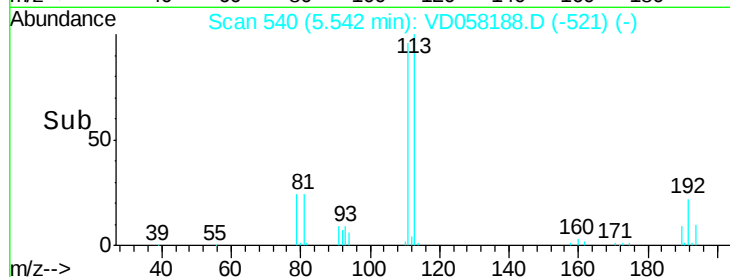
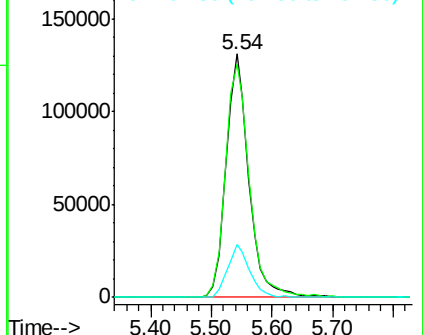
192 21.6 16.4 24.6



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: 5.513 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

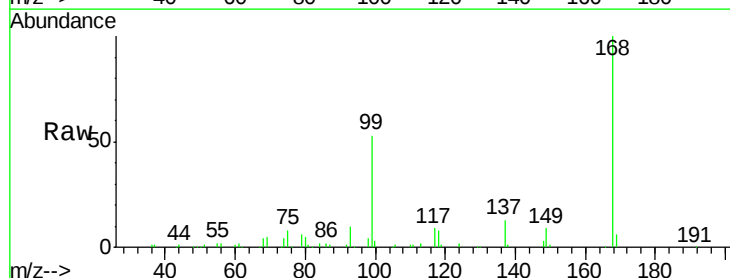
Tgt Ion: 75 Resp: 43212

Ion Ratio Lower Upper

75 100

110 6.8 14.8 44.3#

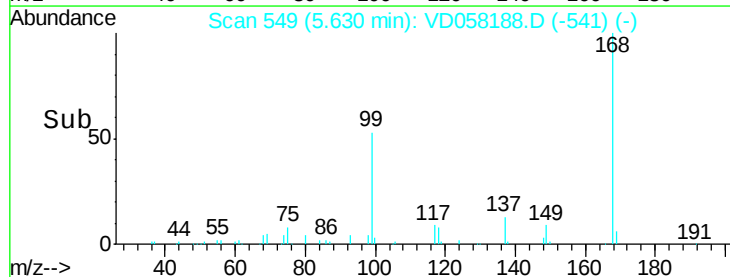
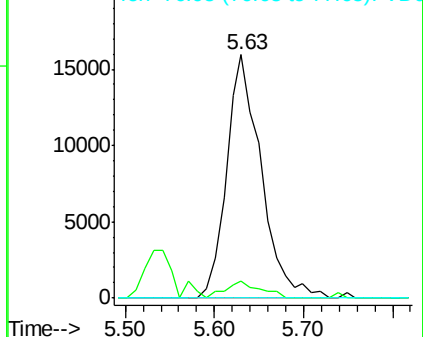
77 0.0 23.9 35.9#

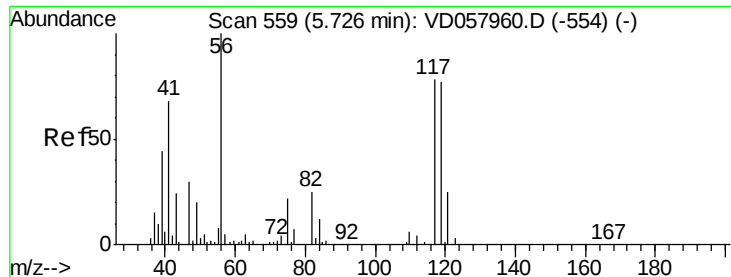


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.519 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

ClientSampled :

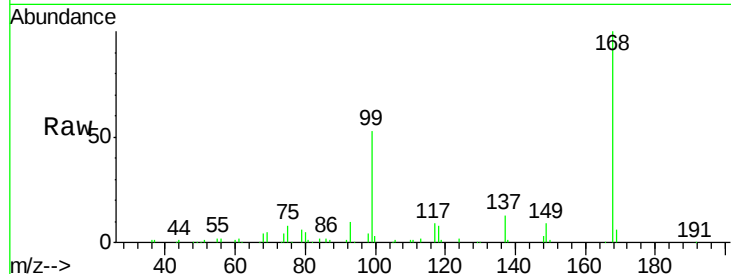
Tot Ion:117 Resp: 42633

Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

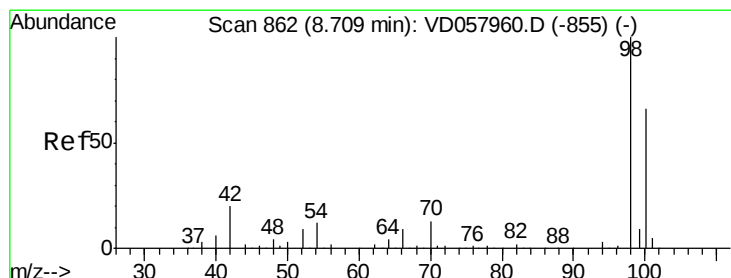
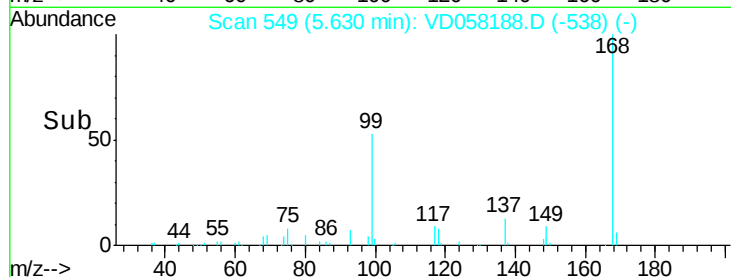
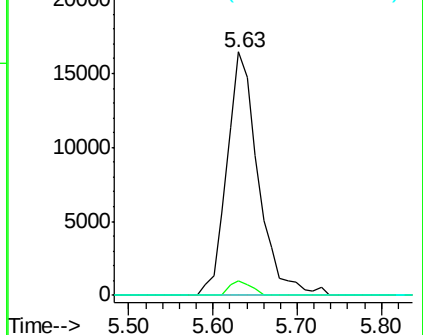
121 0.0 24.9 37.3#



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: VD058188.D

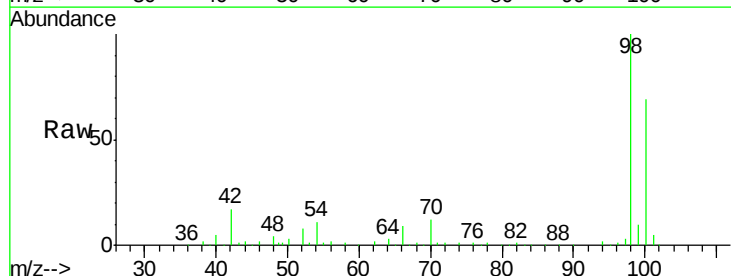
Acq: 18 Jun 2018 18:34

Tgt Ion: 98 Resp: 723496

Ion Ratio Lower Upper

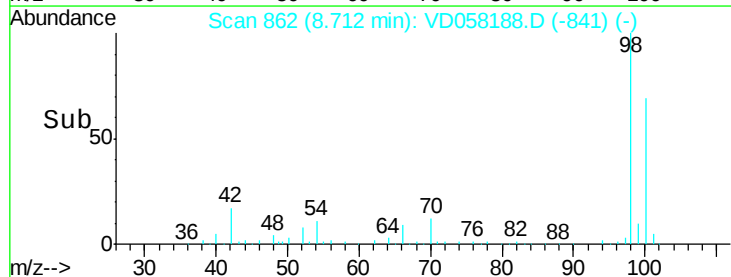
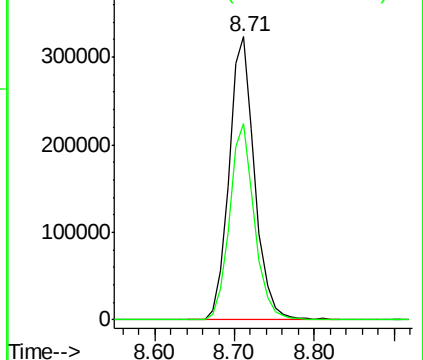
98 100

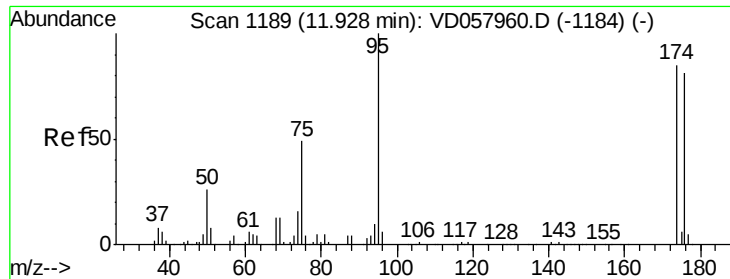
100 69.2 53.4 80.0



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: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

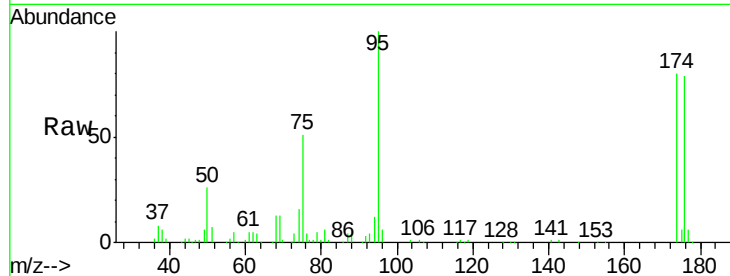
Tot Ion: 95 Resp: 286830

Ion Ratio Lower Upper

95 100

174 80.3 0.0 169.4

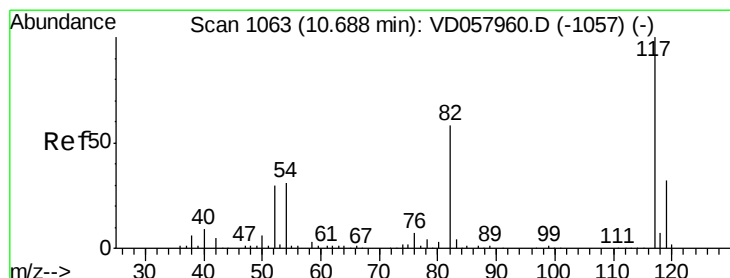
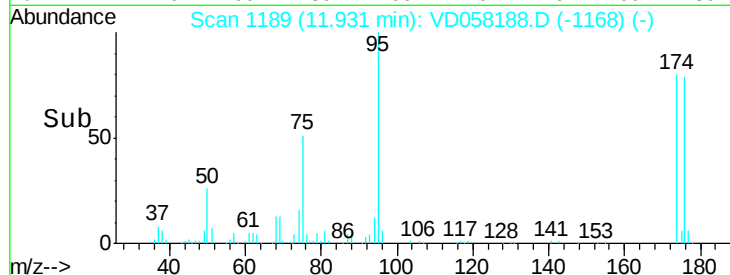
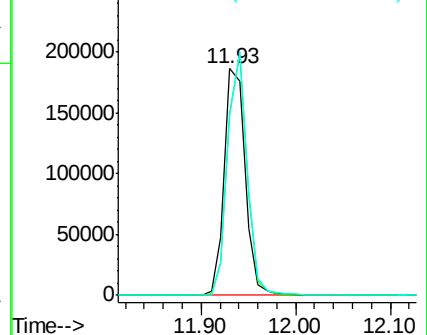
176 79.0 0.0 162.6



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: VD058188.D

Acq: 18 Jun 2018 18:34

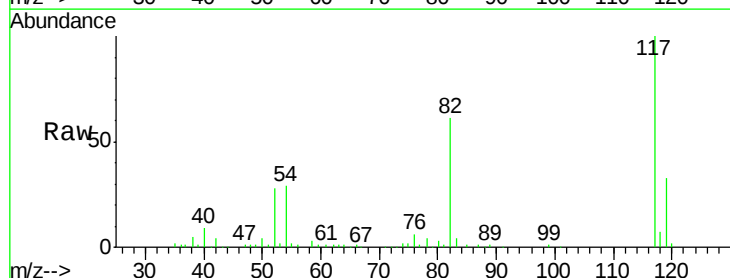
Tgt Ion: 117 Resp: 555235

Ion Ratio Lower Upper

117 100

82 61.5 46.8 70.2

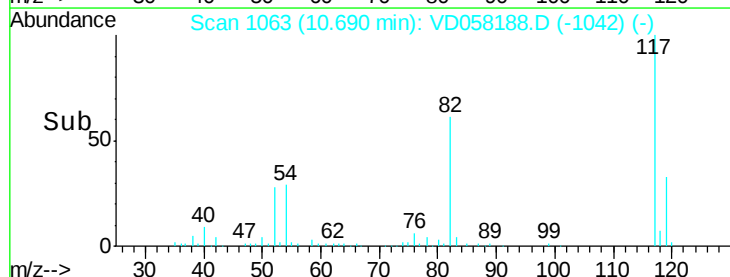
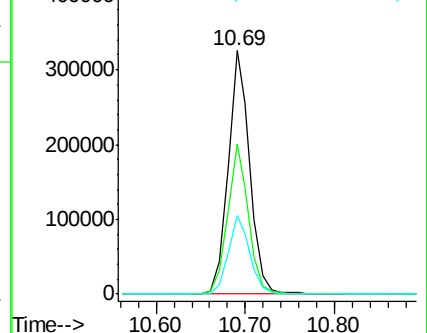
119 32.5 25.8 38.6

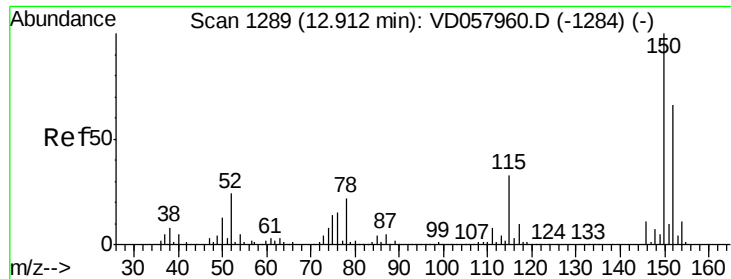


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

Instrument :

MSVOA_D

ClientSampled :

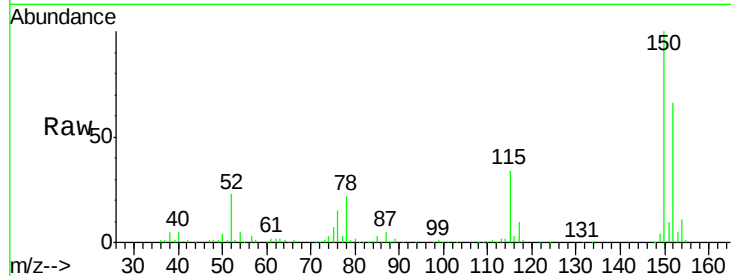
Tot Ion:152 Resp: 268317

Ion Ratio Lower Upper

152 100

115 51.1 25.6 76.6

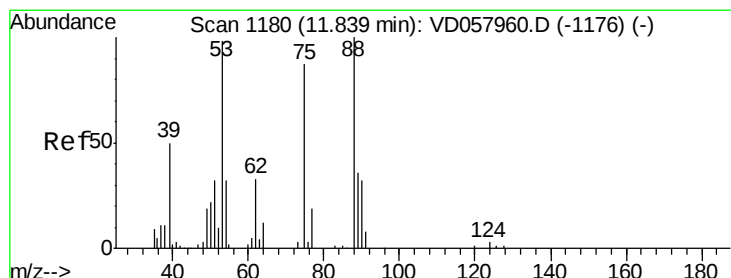
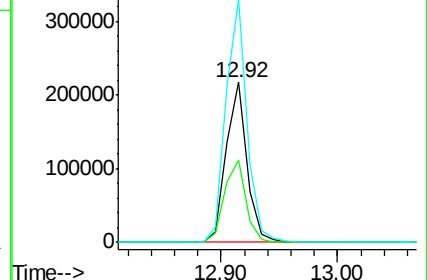
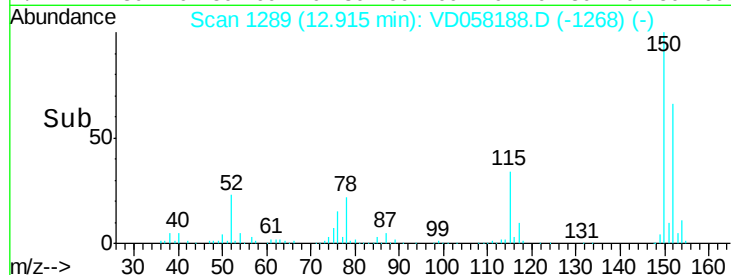
150 151.8 0.0 306.8



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: 141.627 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058188.D

Acq: 18 Jun 2018 18:34

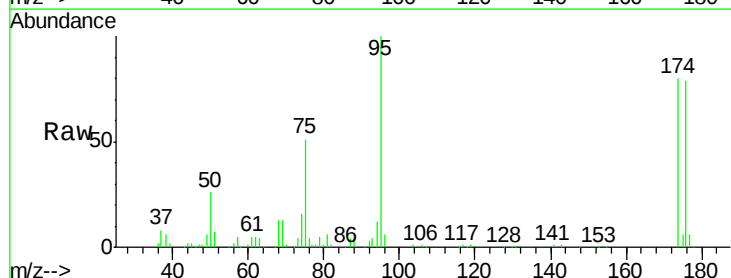
Tgt Ion: 75 Resp: 141386

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

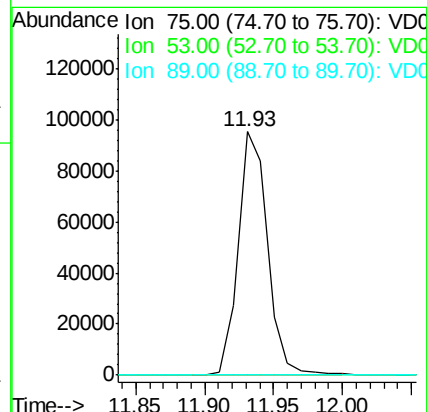
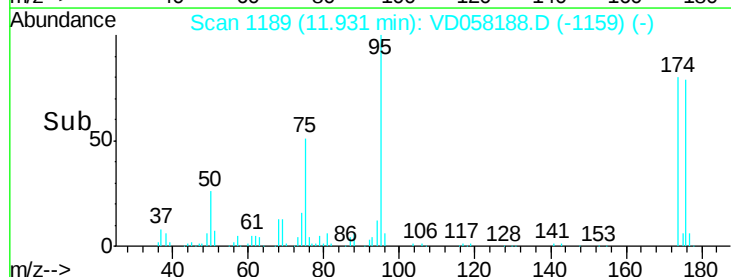
89 0.0 33.3 49.9#

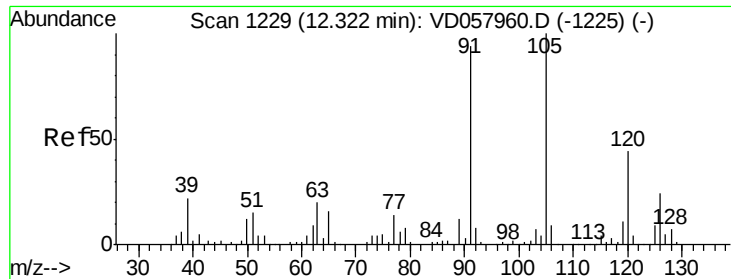


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058188.D
 Acq: 18 Jun 2018 18:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 419
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#

