

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057983.D
 Acq On : 7 Jun 2018 20:35
 Operator : JC/SY
 Sample : J3344-09
 Misc : 5.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HS-HOUSE-WALL

Quant Time: Jun 08 06:51:00 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	596305	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	811019	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	626191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	283477	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	311998	52.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.68%	
35) Dibromofluoromethane	5.54	113	318943	50.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.66%	
50) Toluene-d8	8.70	98	652639	43.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	11.92	95	257167	39.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.04%	

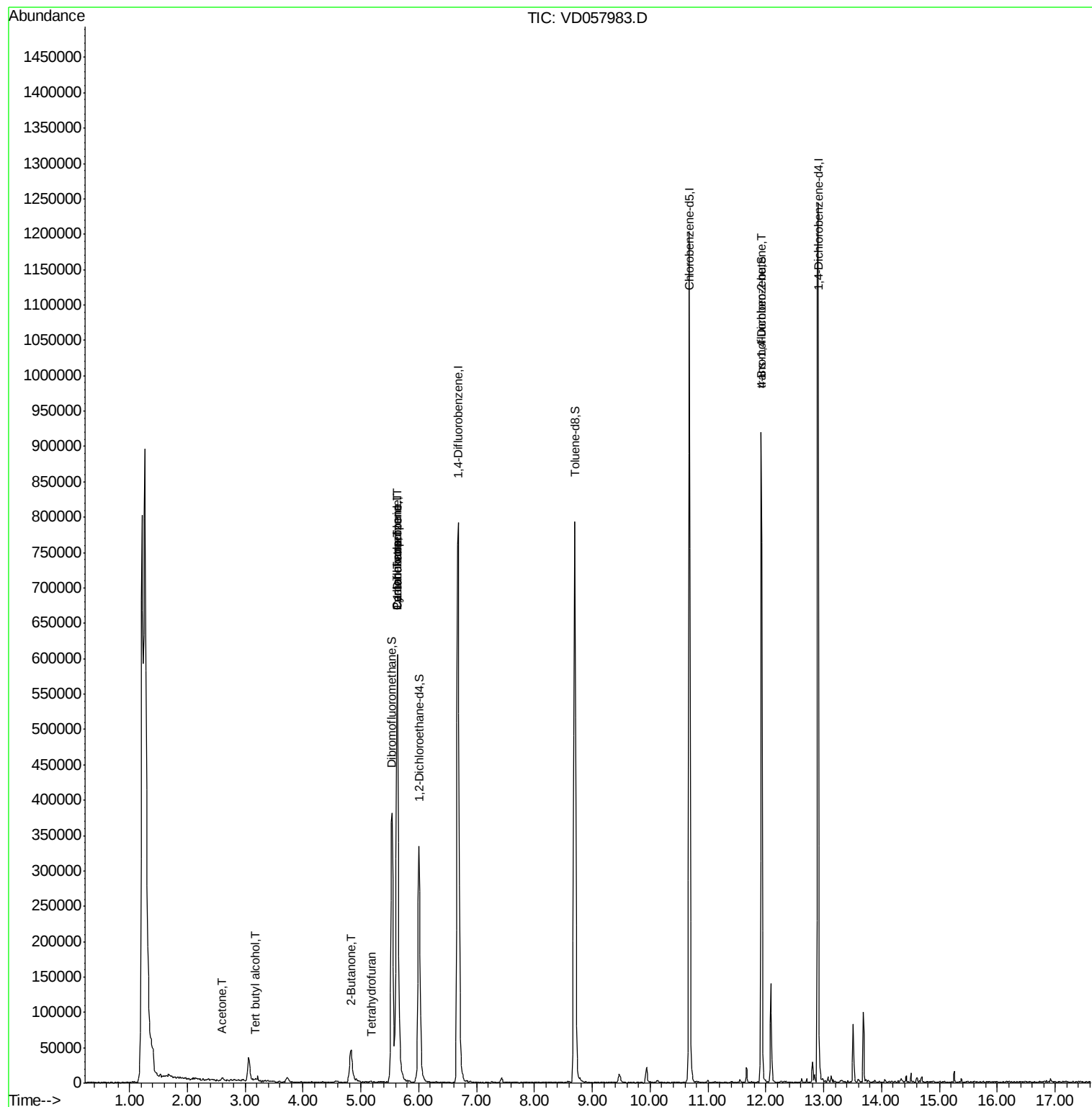
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	3505	21.947	ug/l #	74
16) Acetone	2.61	43	10437	12.152	ug/l	98
25) 2-Butanone	4.82	43	6086	3.118	ug/l #	64
29) Tetrahydrofuran	5.19	42	1294	1.265	ug/l #	39
31) Cyclohexane	5.63	56	15377	1.483	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	53121	5.945	ug/l #	52
38) Carbon Tetrachloride	5.63	117	50543	5.740	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	124423	117.970	ug/l #	6
82) 4-Chlorotoluene	12.32	91	835	Below Cal	#	54
89) n-Butylbenzene	13.19	91	1178	Below Cal	#	30

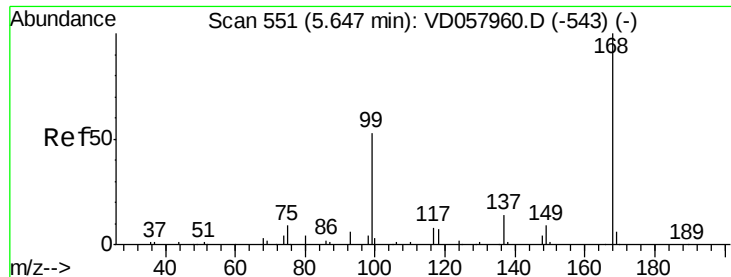
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

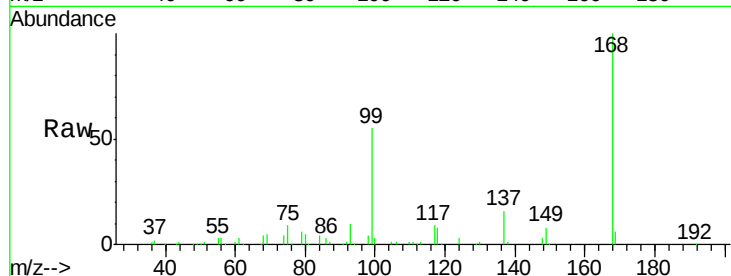
HS-HOUSE-WALL

Tgt Ion:168 Resp: 596305

Ion Ratio Lower Upper

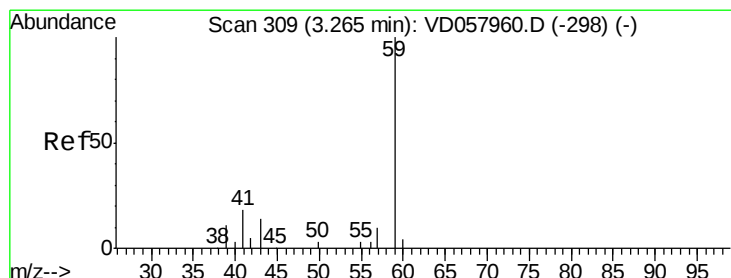
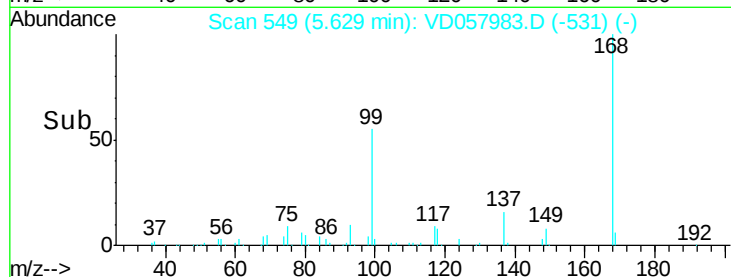
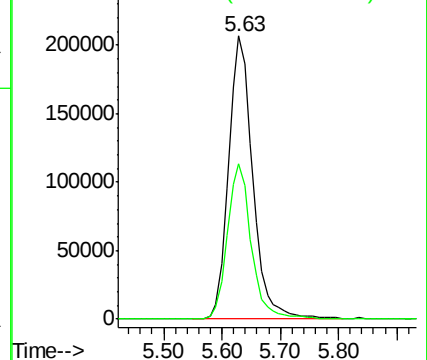
168 100

99 54.9 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: 21.947 ug/l

RT: 3.18 min Scan# 300

Delta R.T. -0.09 min

Lab File: VD057983.D

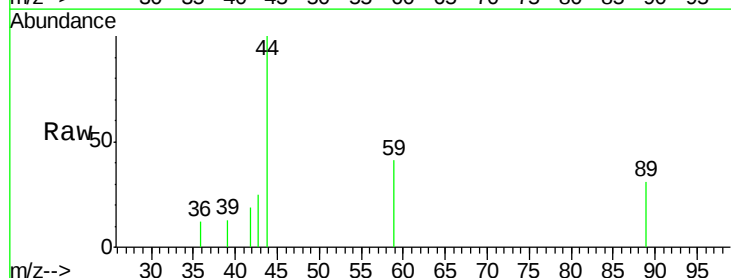
Acq: 7 Jun 2018 20:35

Tgt Ion: 59 Resp: 3505

Ion Ratio Lower Upper

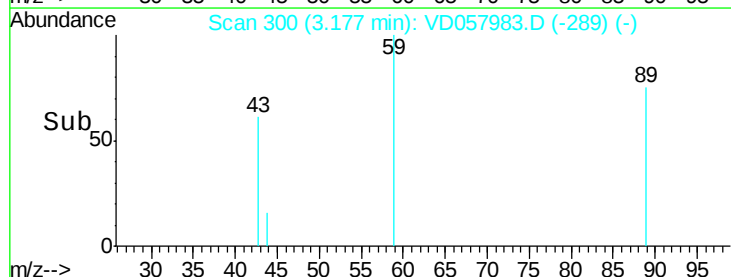
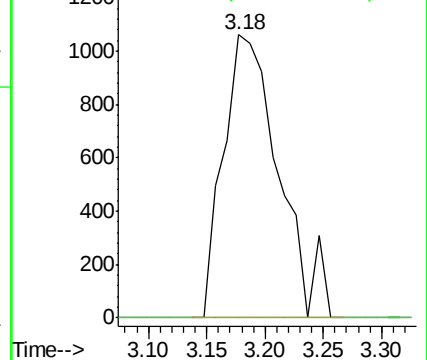
59 100

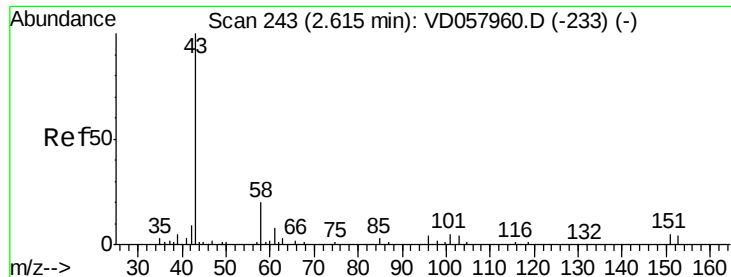
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 12.152 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

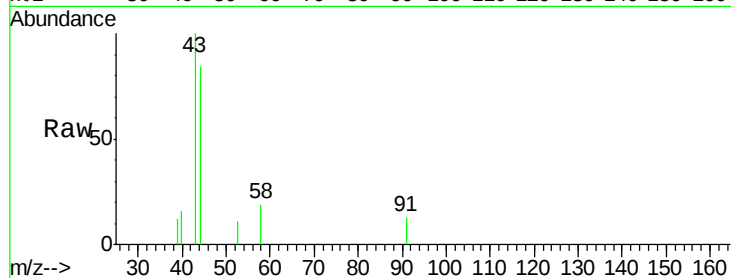
HS-HOUSE-WALL

Tgt Ion: 43 Resp: 10437

Ion Ratio Lower Upper

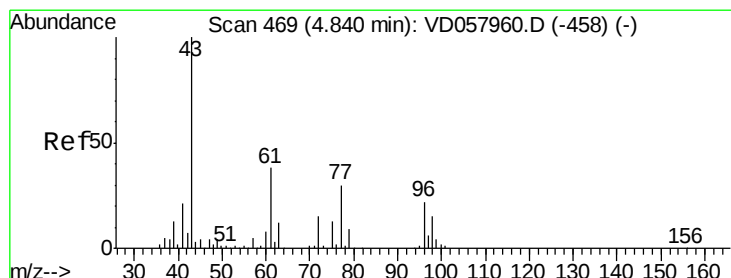
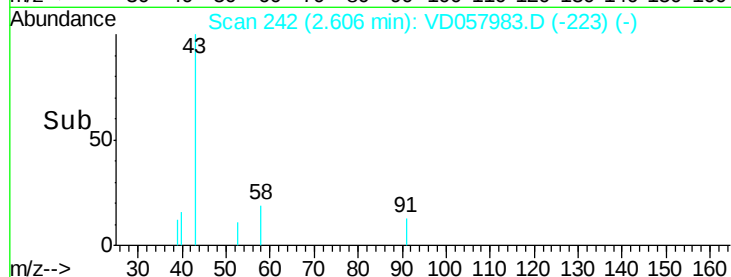
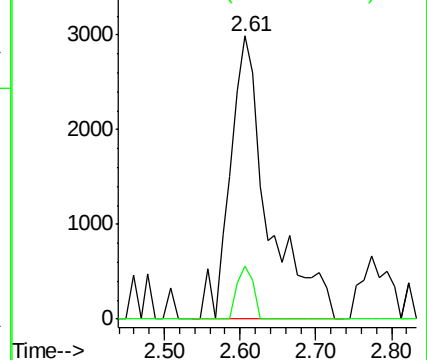
43 100

58 18.8 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: 3.118 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD057983.D

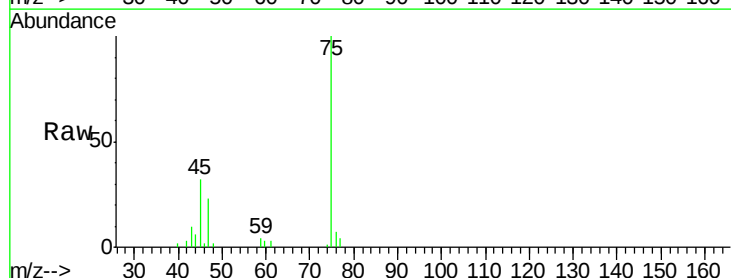
Acq: 7 Jun 2018 20:35

Tgt Ion: 43 Resp: 6086

Ion Ratio Lower Upper

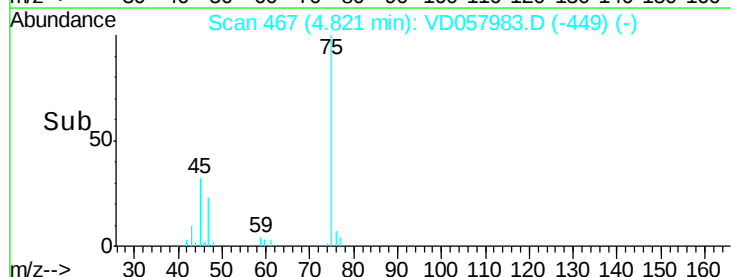
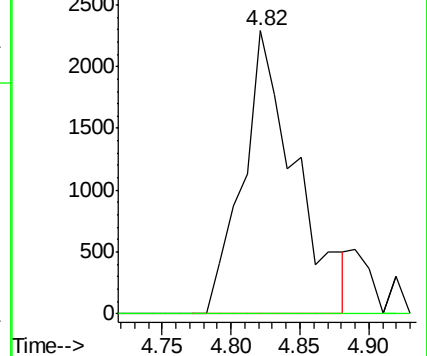
43 100

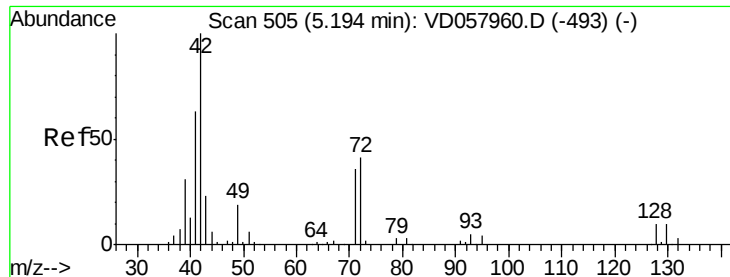
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.265 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

HS-HOUSE-WALL

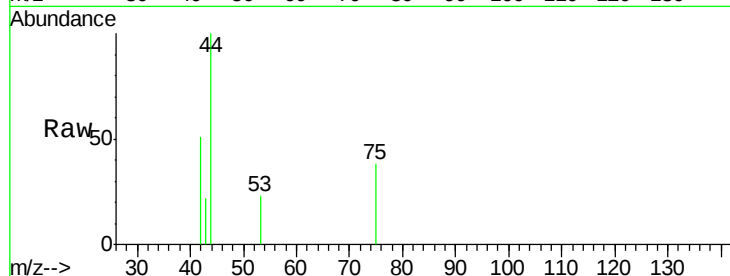
Tgt Ion: 42 Resp: 1294

Ion Ratio Lower Upper

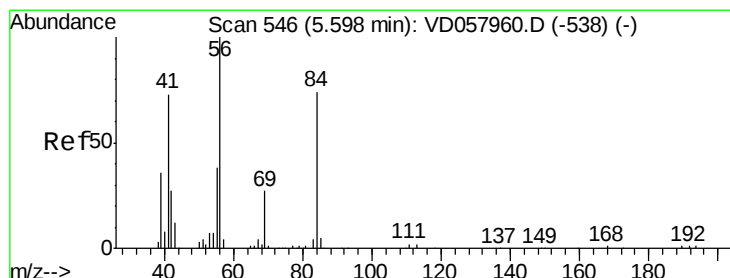
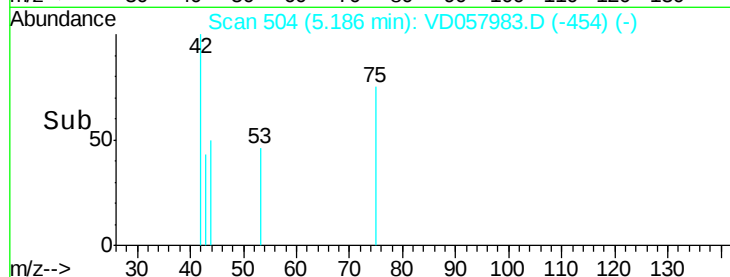
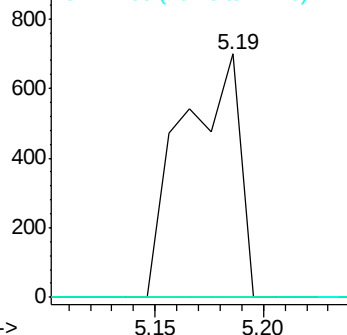
42 100

72 0.0 28.5 42.7#

71 0.0 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: 1.483 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

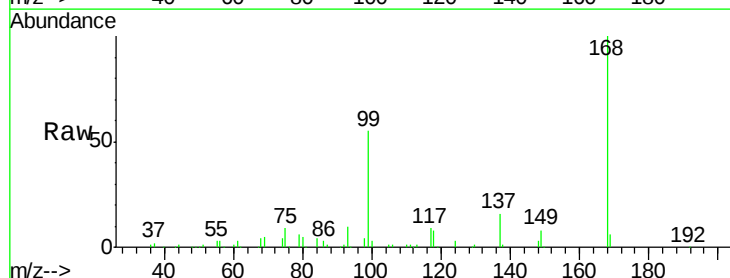
Tgt Ion: 56 Resp: 15377

Ion Ratio Lower Upper

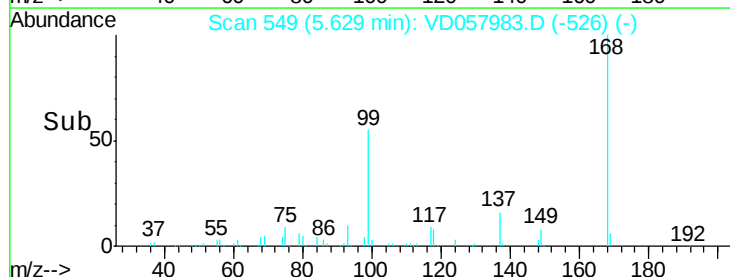
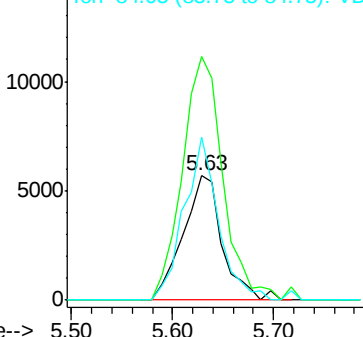
56 100

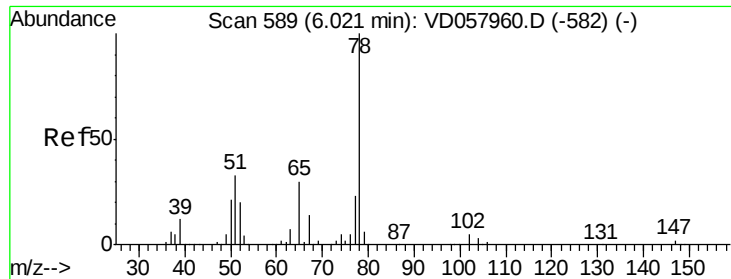
69 195.6 21.5 32.3#

84 131.1 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: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

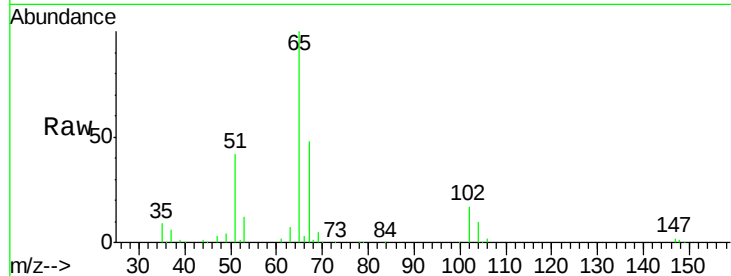
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Tgt Ion: 65 Resp: 311998

Ion Ratio Lower Upper

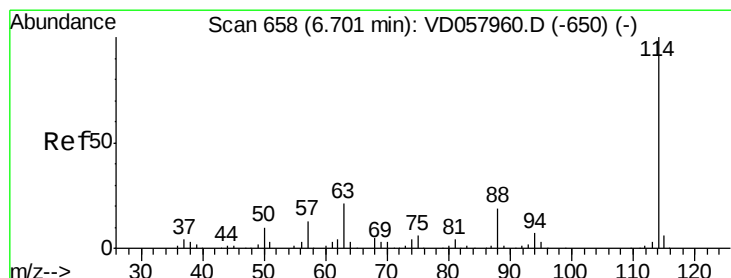
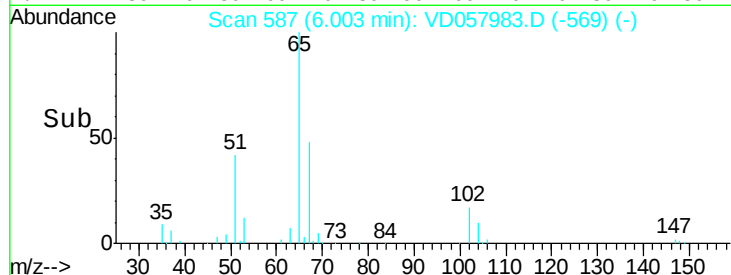
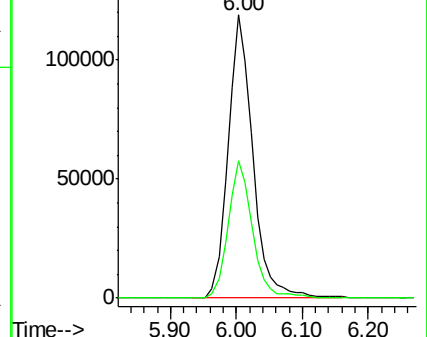
65 100

67 48.5 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: VD057983.D

Acq: 7 Jun 2018 20:35

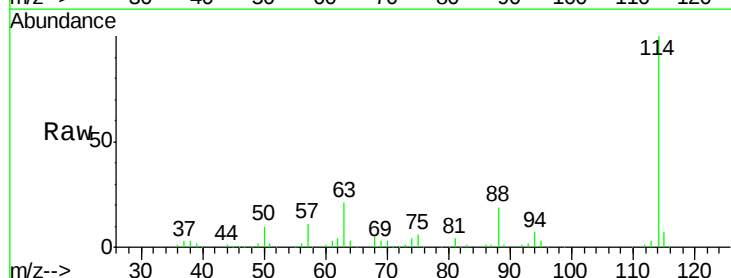
Tgt Ion: 114 Resp: 811019

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

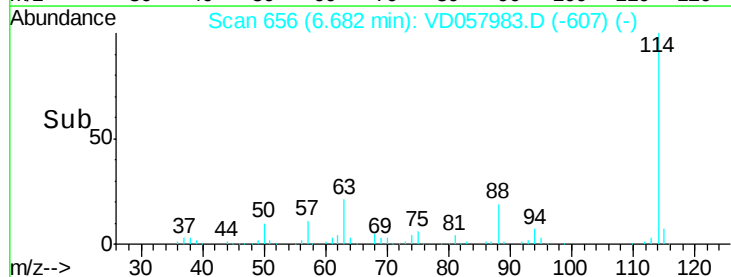
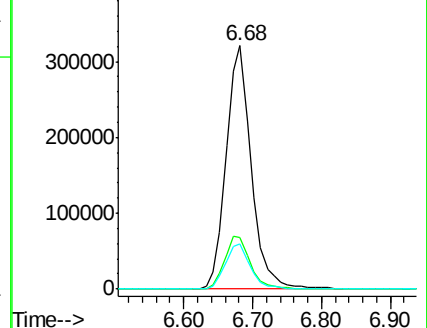
88 18.8 0.0 37.8

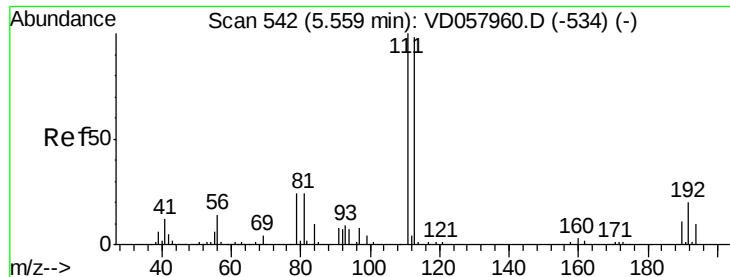


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

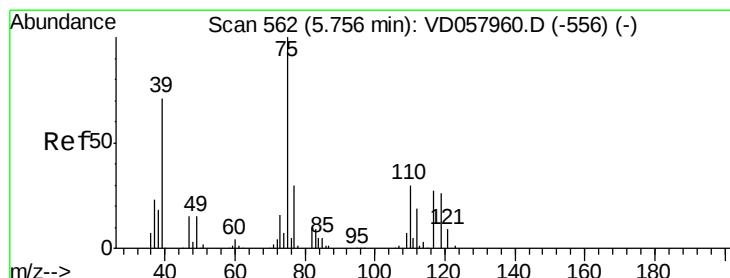
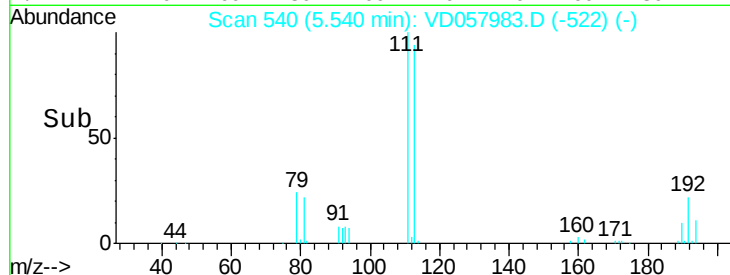
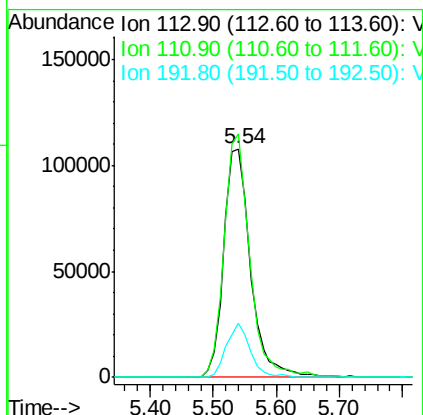
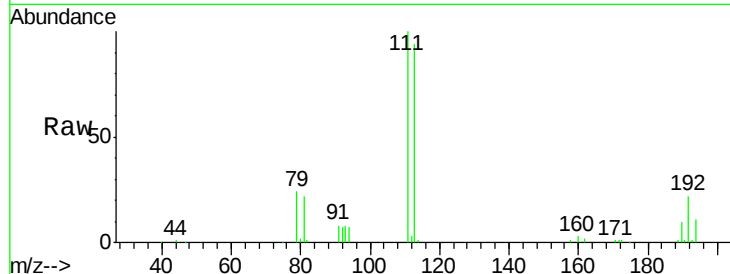




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD057983.D
 Acq: 7 Jun 2018 20:35

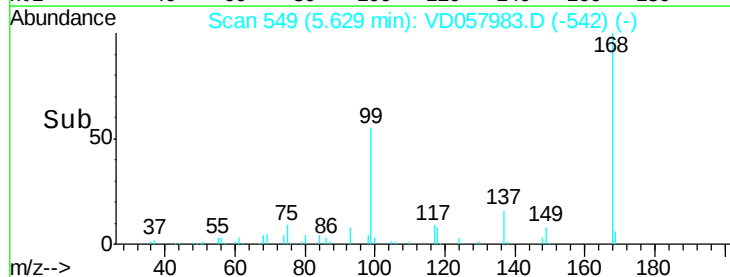
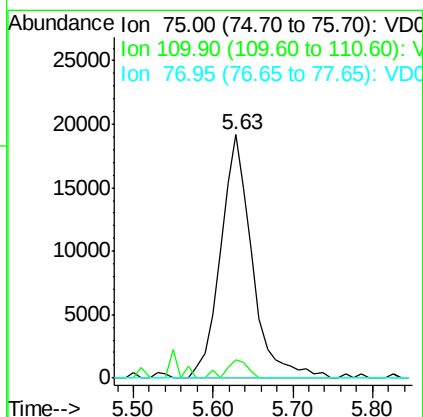
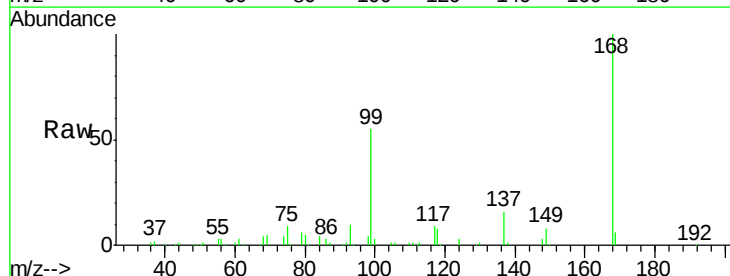
Instrument :
 MSVOA_D
 ClientSampleId :
 HS-HOUSE-WALL

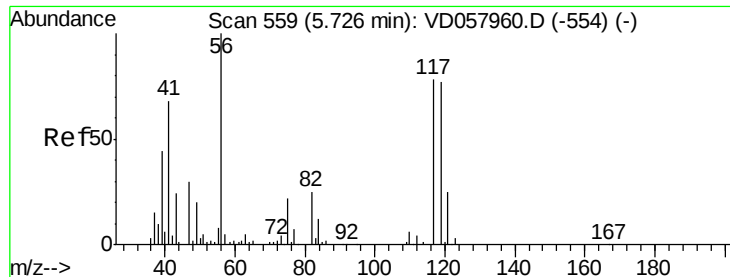
Tgt Ion:113 Resp: 318943
 Ion Ratio Lower Upper
 113 100
 111 106.6 81.5 122.3
 192 23.6 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.945 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD057983.D
 Acq: 7 Jun 2018 20:35

Tgt Ion: 75 Resp: 53121
 Ion Ratio Lower Upper
 75 100
 110 7.5 14.8 44.3#
 77 0.0 23.9 35.9#

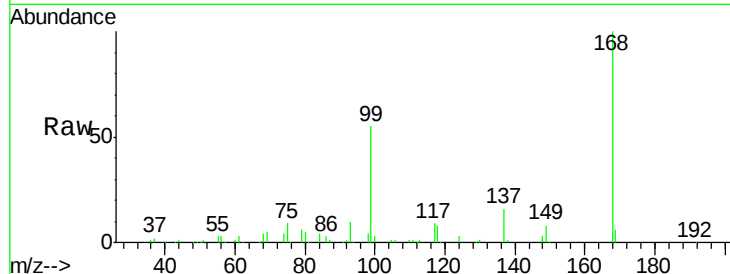




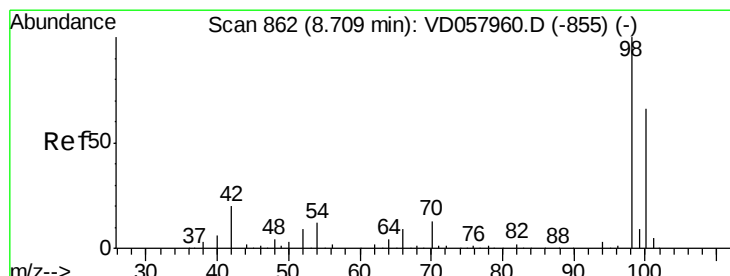
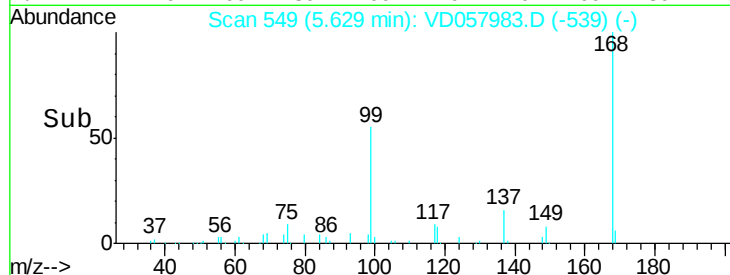
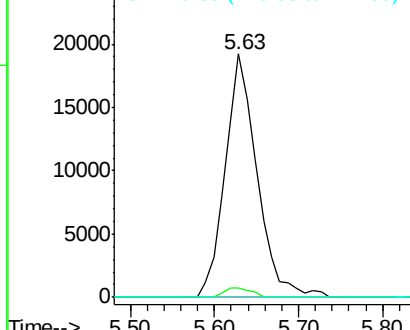
#38
Carbon Tetrachloride
Concen: 5.740 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD057983.D
Acq: 7 Jun 2018 20:35

Instrument :
MSVOA_D
ClientSampleId :
HS-HOUSE-WALL

Tgt Ion:117 Resp: 50543
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.9 37.3#

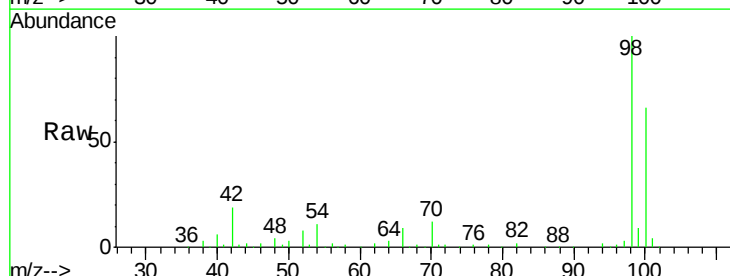


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

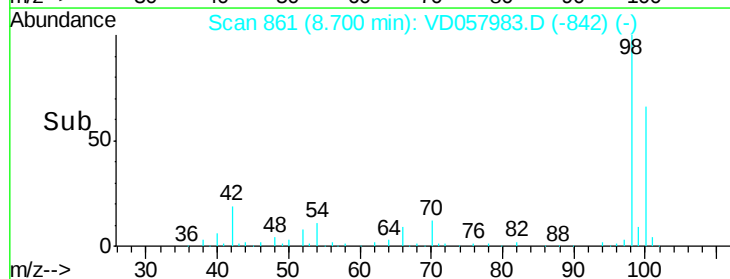
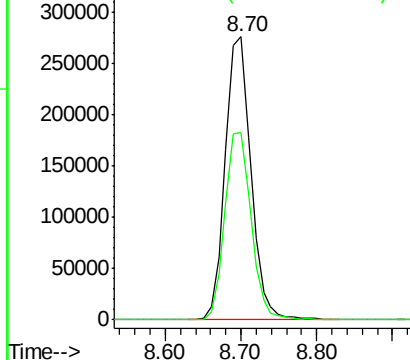


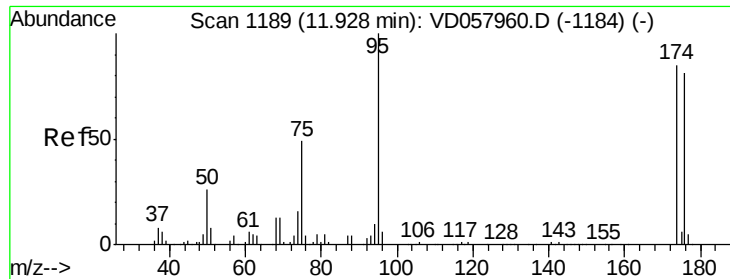
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057983.D
Acq: 7 Jun 2018 20:35

Tgt Ion: 98 Resp: 652639
Ion Ratio Lower Upper
98 100
100 66.4 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: 11.92 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

HS-HOUSE-WALL

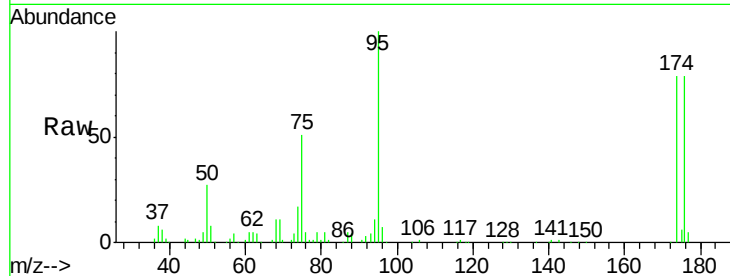
Tgt Ion: 95 Resp: 257167

Ion Ratio Lower Upper

95 100

174 78.7 0.0 169.4

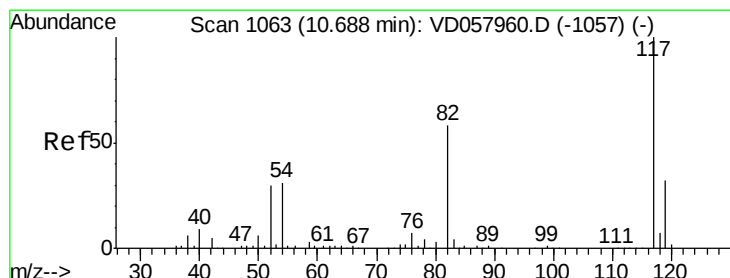
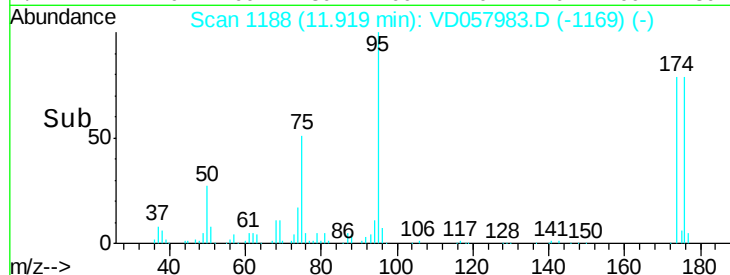
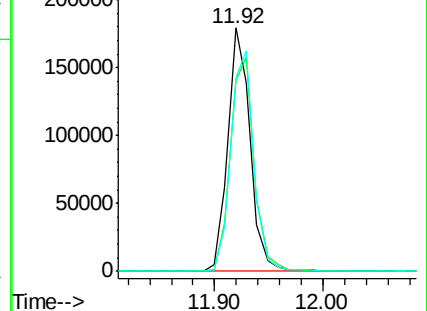
176 79.4 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

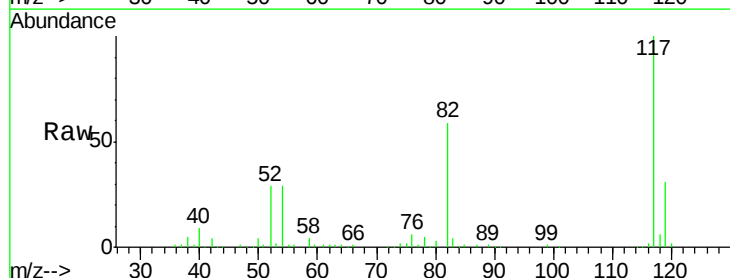
Tgt Ion: 117 Resp: 626191

Ion Ratio Lower Upper

117 100

82 59.1 46.8 70.2

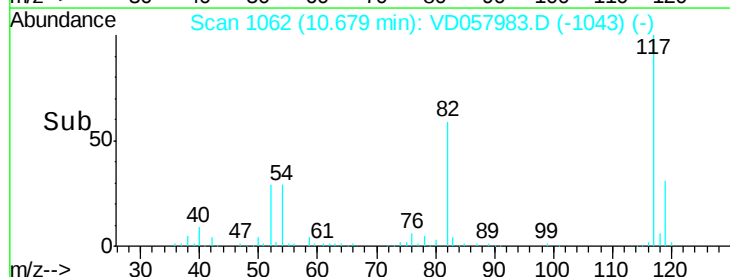
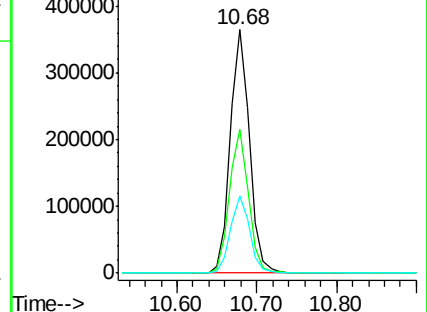
119 31.5 25.8 38.6

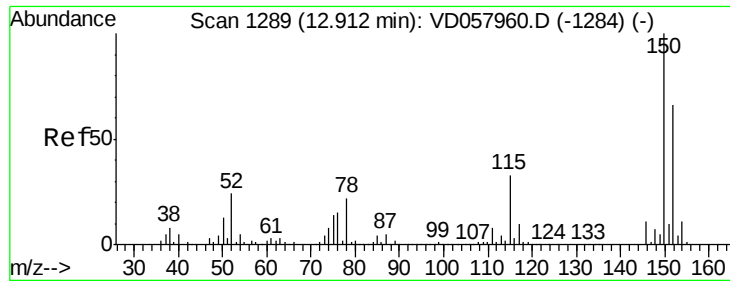


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

Instrument :

MSVOA_D

ClientSampleId :

HS-HOUSE-WALL

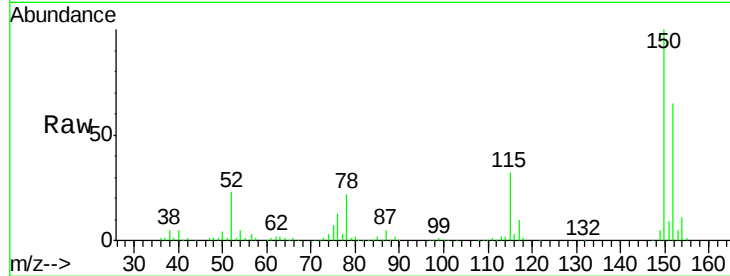
Tgt Ion: 152 Resp: 283477

Ion Ratio Lower Upper

152 100

115 50.0 25.6 76.6

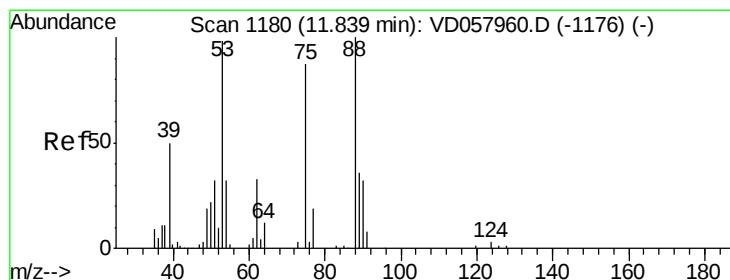
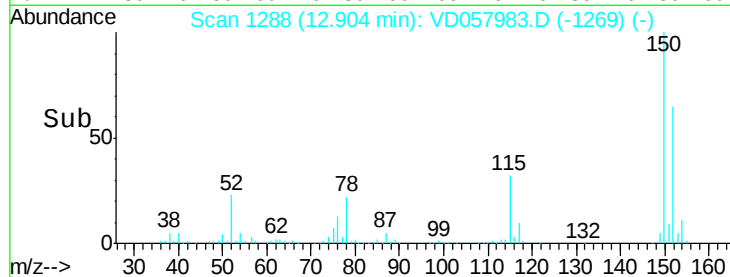
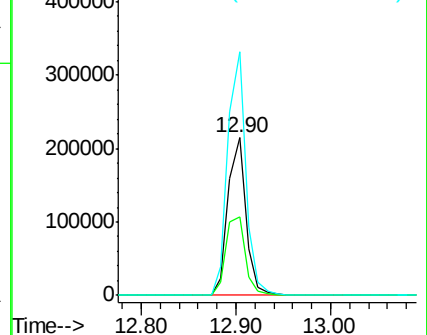
150 154.8 0.0 306.8



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: 117.970 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057983.D

Acq: 7 Jun 2018 20:35

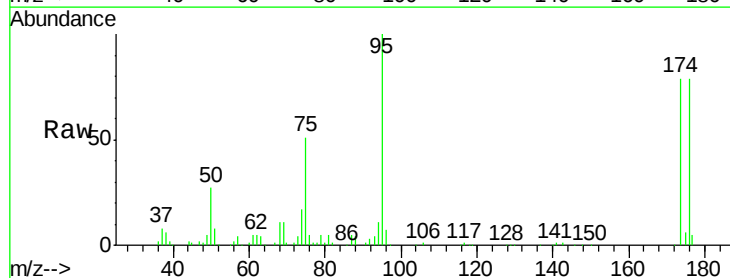
Tgt Ion: 75 Resp: 124423

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

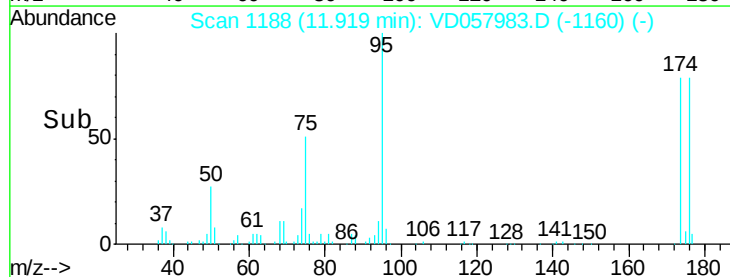
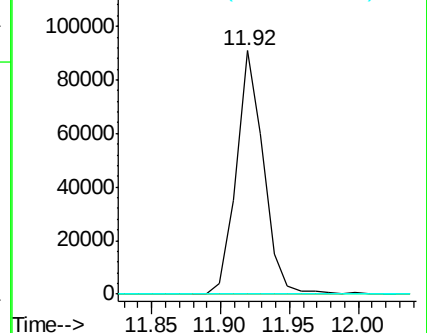
89 0.0 33.3 49.9#

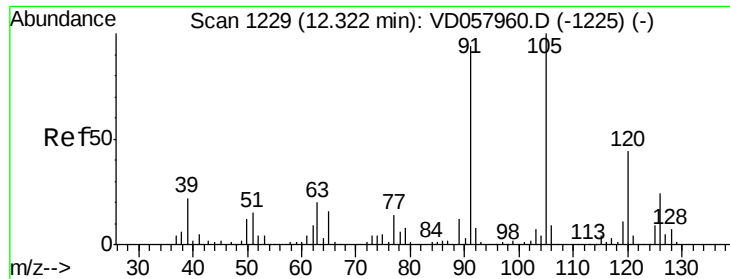


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

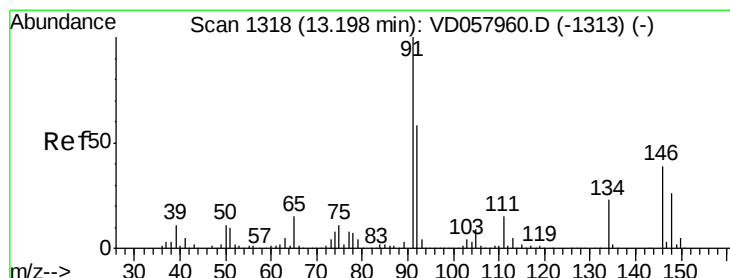
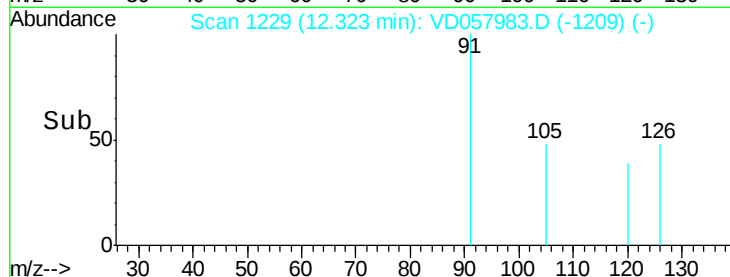
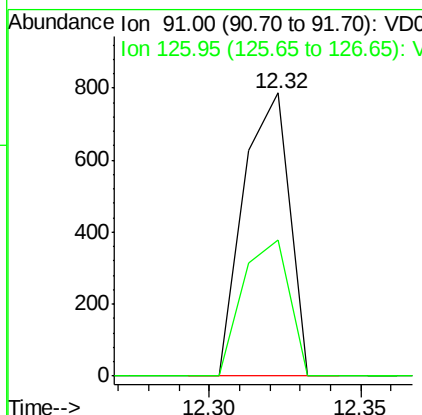
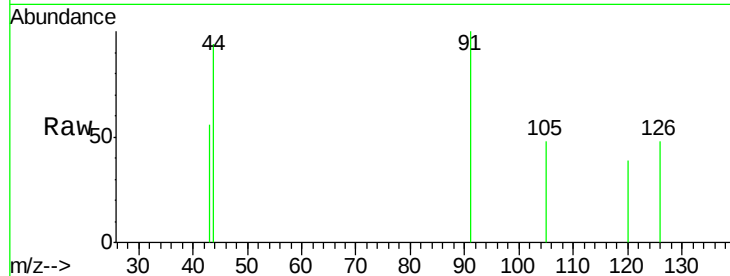




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD057983.D
Acq: 7 Jun 2018 20:35

Instrument :
MSVOA_D
ClientSampleId :
HS-HOUSE-WALL

Tgt Ion: 91 Resp: 835
Ion Ratio Lower Upper
91 100
126 48.2 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057983.D
Acq: 7 Jun 2018 20:35

Tgt Ion: 91 Resp: 1178
Ion Ratio Lower Upper
91 100
92 0.0 29.2 87.6#
134 0.0 11.3 33.9#

