

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058220.D
 Acq On : 20 Jun 2018 20:04
 Operator : VA/AP
 Sample : J3582-07
 Misc : 5.70g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-1-GRAB

Quant Time: Jun 21 01:47:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	632378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	798764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	614326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	233408	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	372483	58.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.64%	
35) Dibromofluoromethane	5.55	113	334104	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
50) Toluene-d8	8.71	98	812658	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.93	95	272829	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	

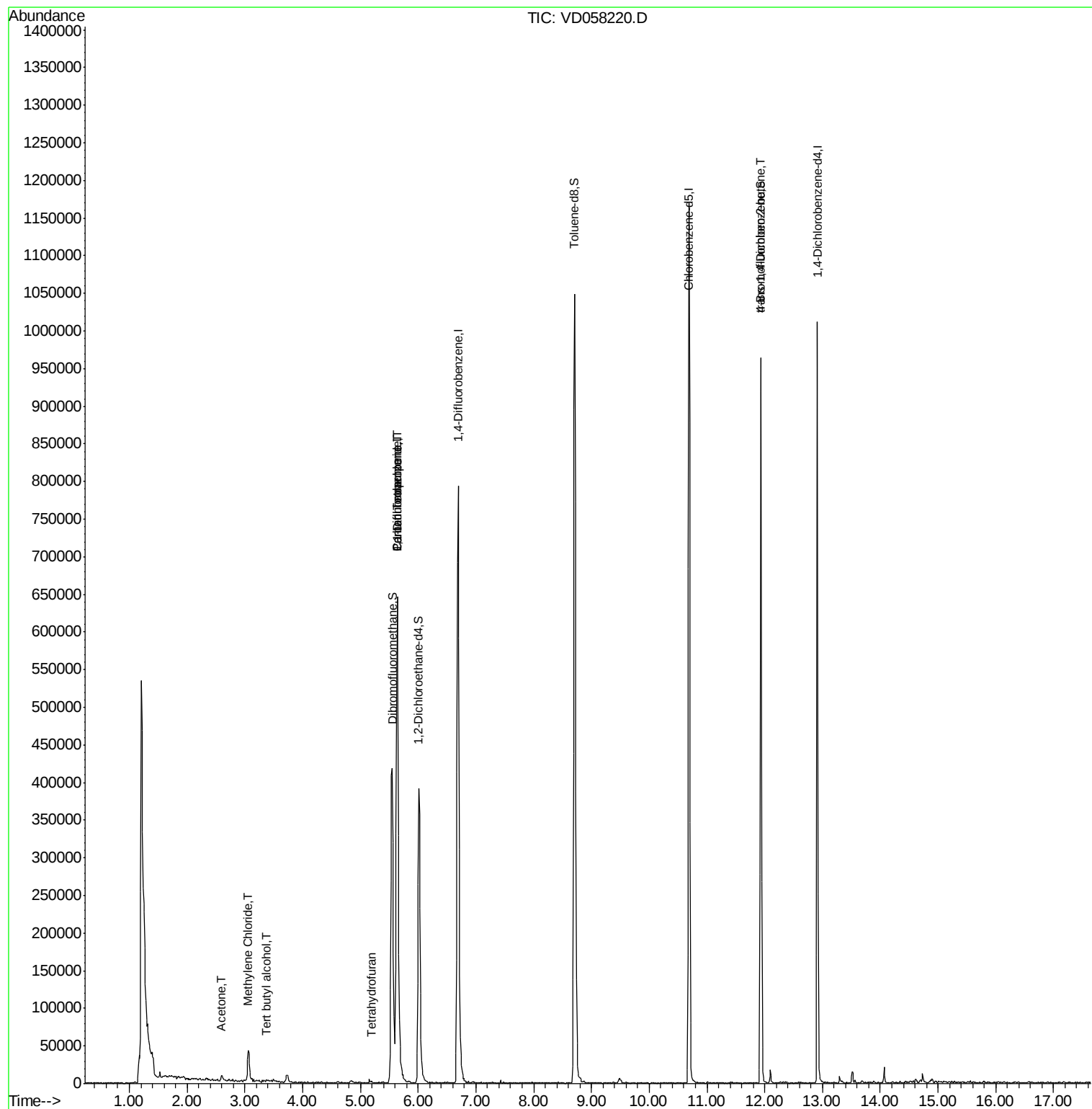
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	594	Below Cal	#	1
3) Chloromethane	1.53	50	222	Below Cal	#	43
11) Tert butyl alcohol	3.36	59	211	1.002	ug/l #	78
16) Acetone	2.60	43	13921	15.936	ug/l	96
20) Methylene Chloride	3.06	84	18365	3.634	ug/l	94
29) Tetrahydrofuran	5.19	42	2120	2.092	ug/l #	56
31) Cyclohexane	5.63	56	15089	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	48369	6.121	ug/l #	50
38) Carbon Tetrachloride	5.64	117	50122	6.384	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	140129	168.598	ug/l #	1
82) 4-Chlorotoluene	12.33	91	773	Below Cal	#	45

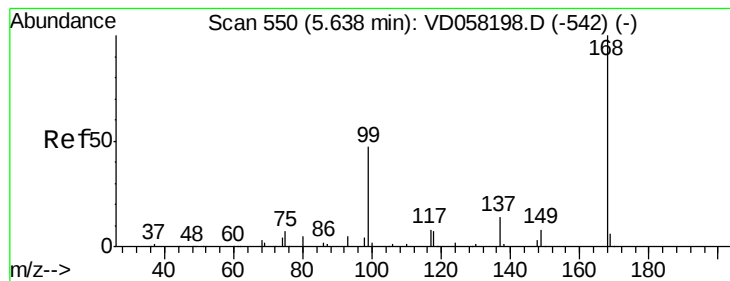
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Time: Jun 21 01:47:20 2018
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_D

ClientSampleId :

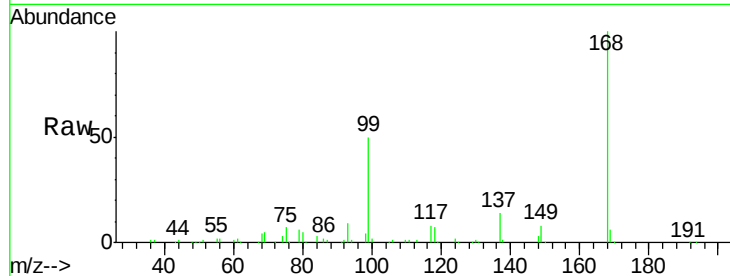
SSP-C-1-GRAB

Tot Ion:168 Resp: 632378

Ion Ratio Lower Upper

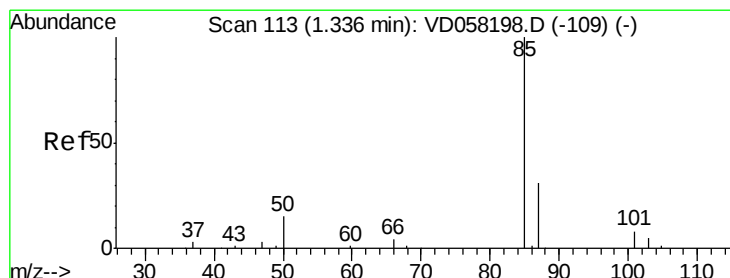
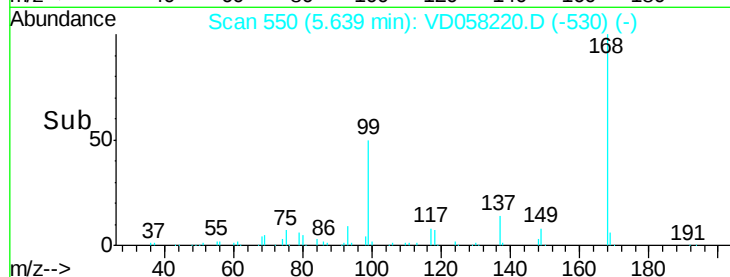
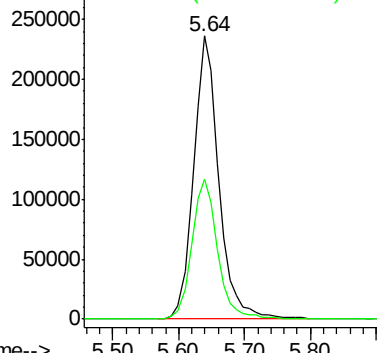
168 100

99 49.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058220.D

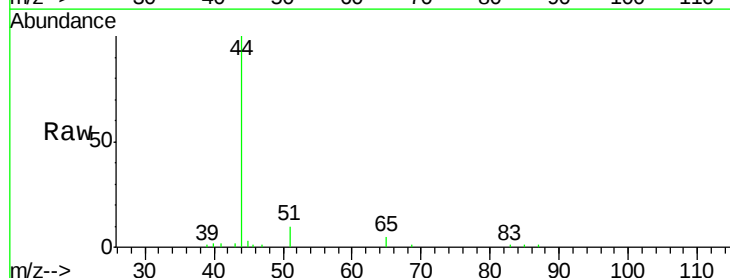
Acq: 20 Jun 2018 20:04

Tgt Ion: 85 Resp: 594

Ion Ratio Lower Upper

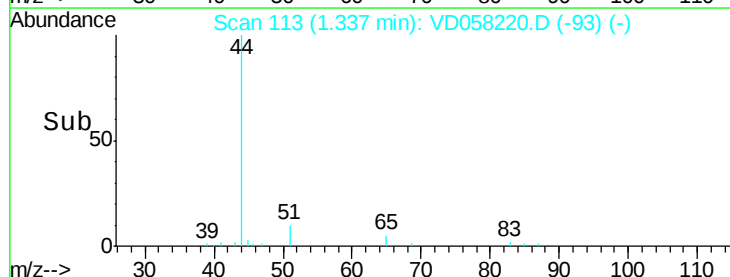
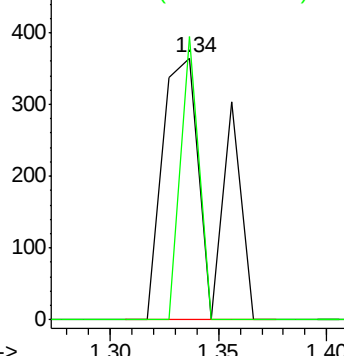
85 100

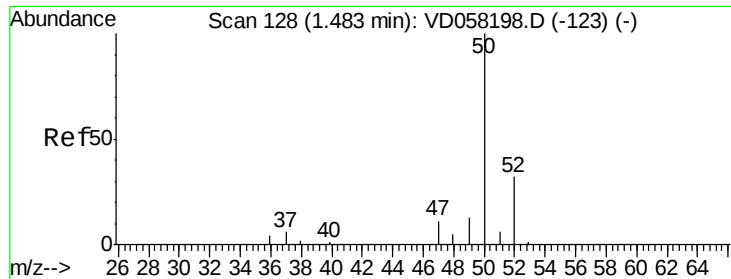
87 107.9 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.53 min Scan# 133

Delta R.T. 0.05 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_D

ClientSampleId :

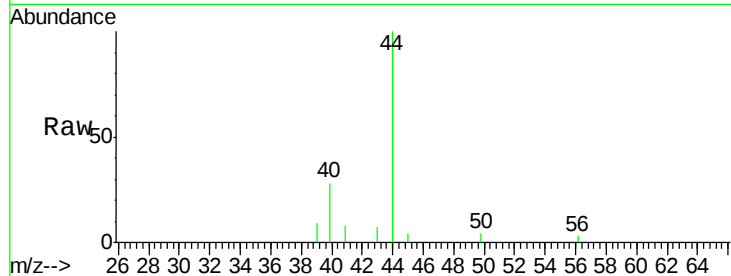
SSP-C-1-GRAB

Tot Ion: 50 Resp: 222

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.53

400

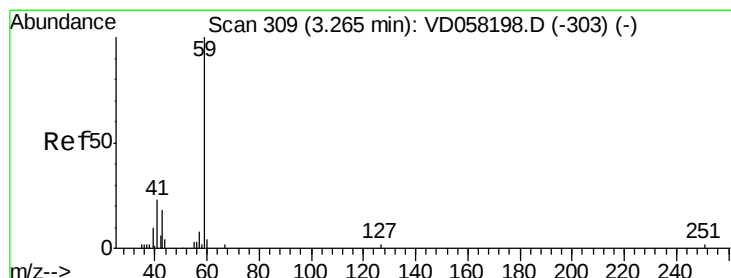
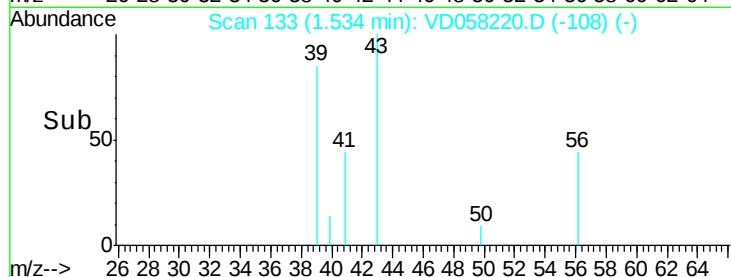
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 1.002 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.10 min

Lab File: VD058220.D

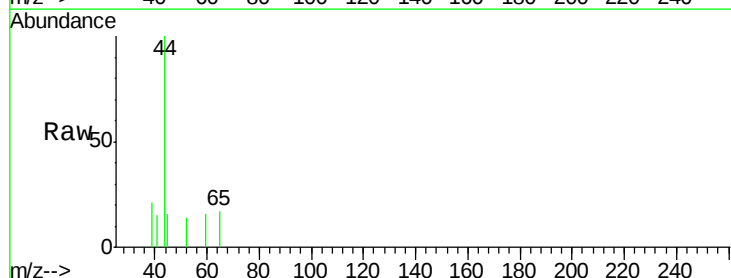
Acq: 20 Jun 2018 20:04

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.36

400

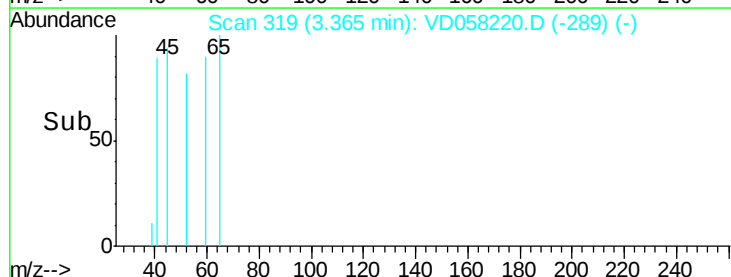
300

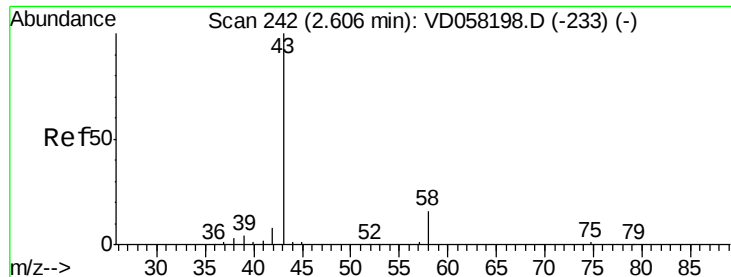
200

100

0

Time-->





#16

Acetone

Concen: 15.936 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_D

ClientSampleId :

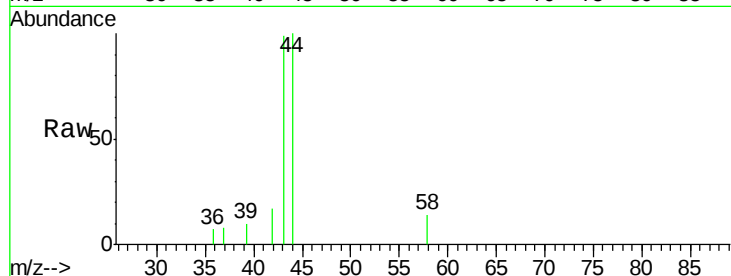
SSP-C-1-GRAB

Tot Ion: 43 Resp: 13921

Ion Ratio Lower Upper

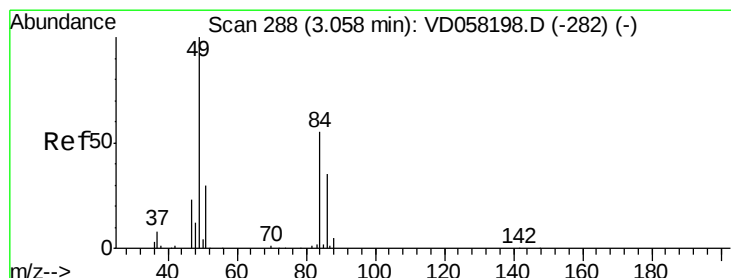
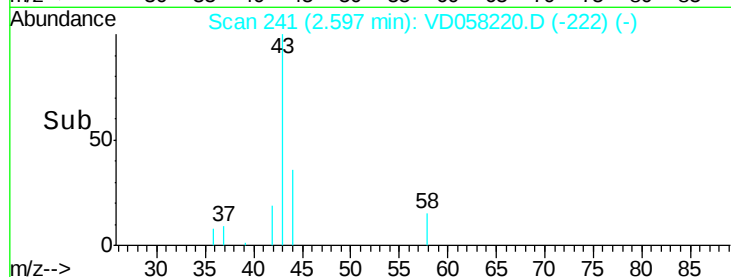
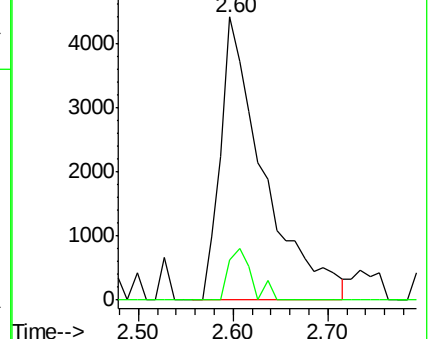
43 100

58 14.1 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.634 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.00 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Tgt Ion: 84 Resp: 18365

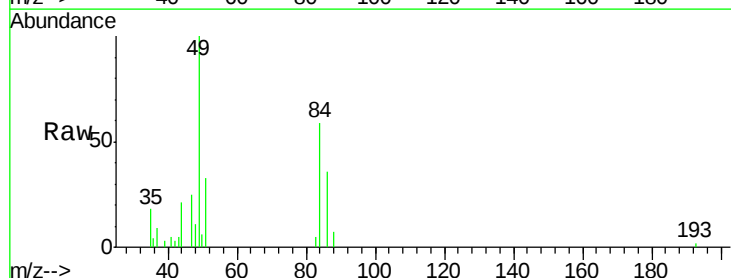
Ion Ratio Lower Upper

84 100

49 168.2 145.0 217.6

51 54.8 42.9 64.3

86 61.3 50.1 75.1

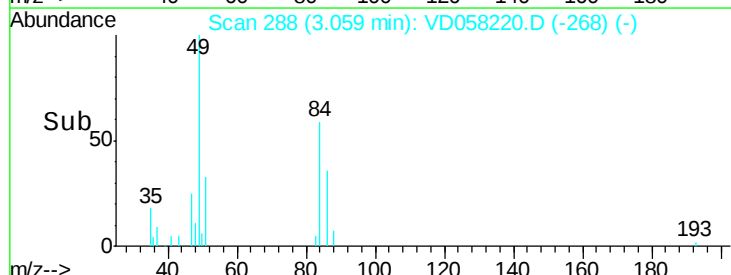
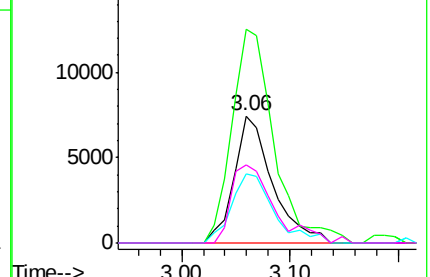


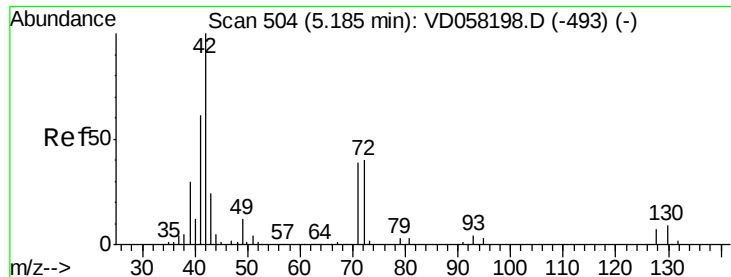
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

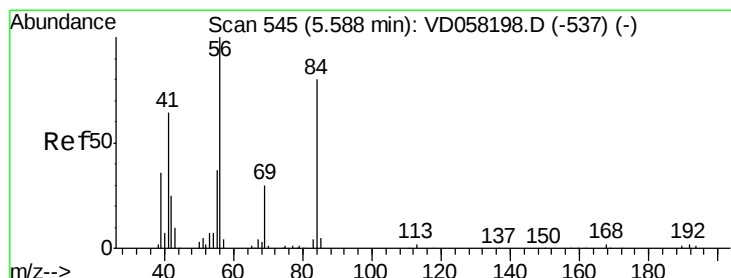
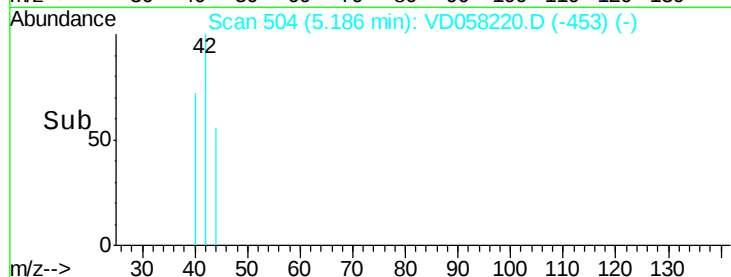
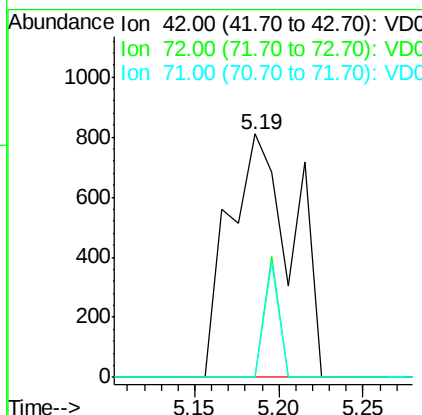
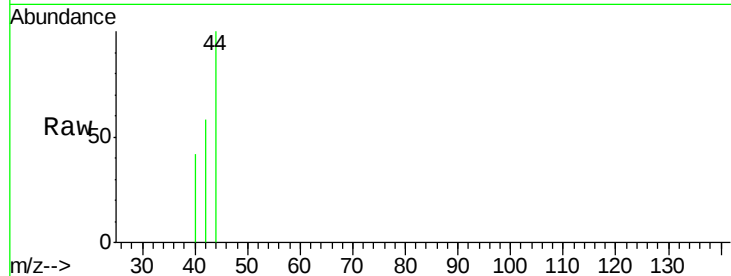




#29
Tetrahydrofuran
Concen: 2.092 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058220.D
Acq: 20 Jun 2018 20:04

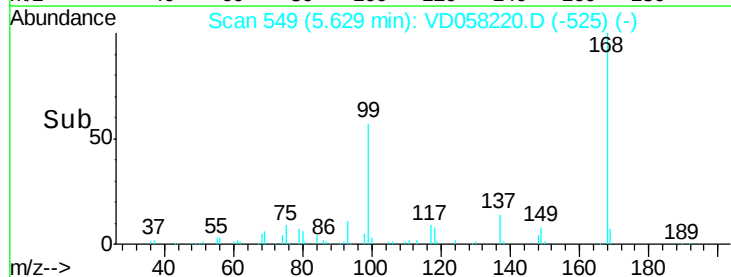
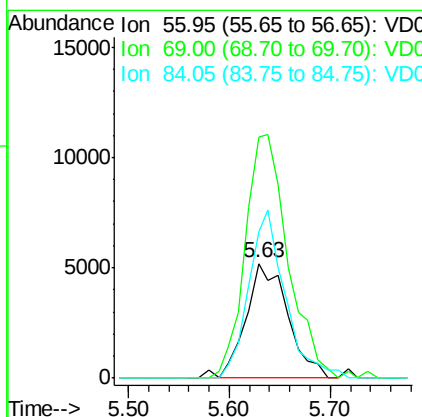
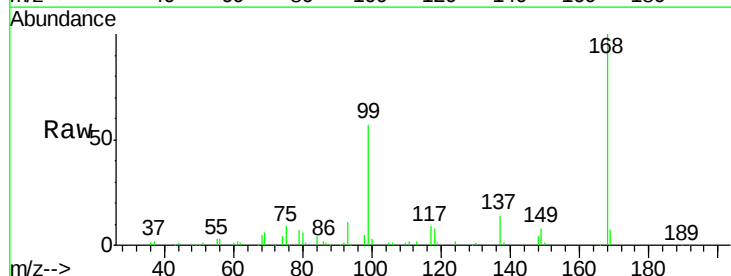
Instrument :
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ClientSampleId :
SSP-C-1-GRAB

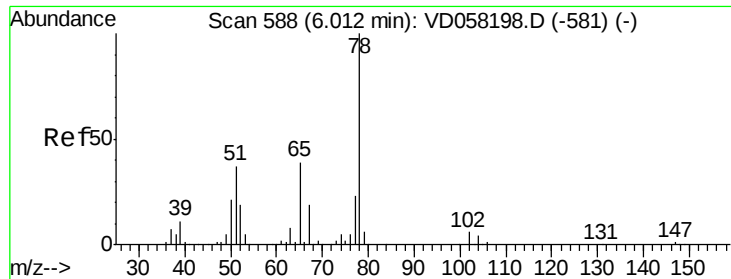
Tot Ion: 42 Resp: 2120
Ion Ratio Lower Upper
42 100
72 11.2 30.2 45.2#
71 10.7 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058220.D
Acq: 20 Jun 2018 20:04

Tgt Ion: 56 Resp: 15089
Ion Ratio Lower Upper
56 100
69 211.0 23.6 35.4#
84 127.4 65.2 97.8#

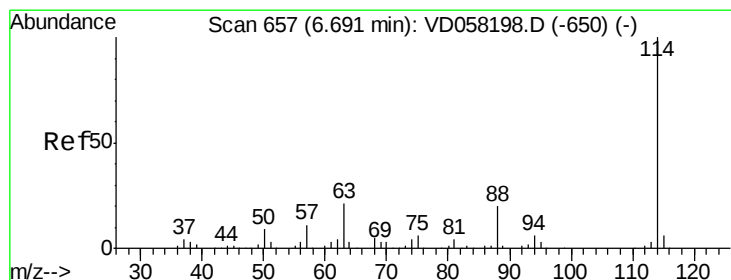
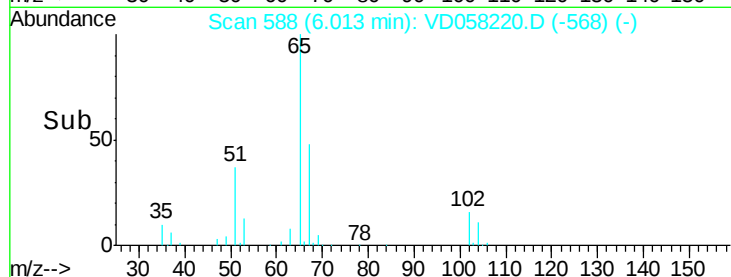
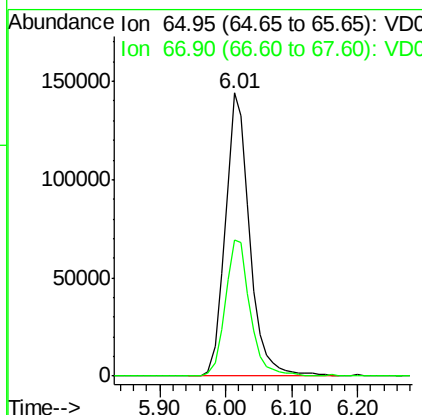
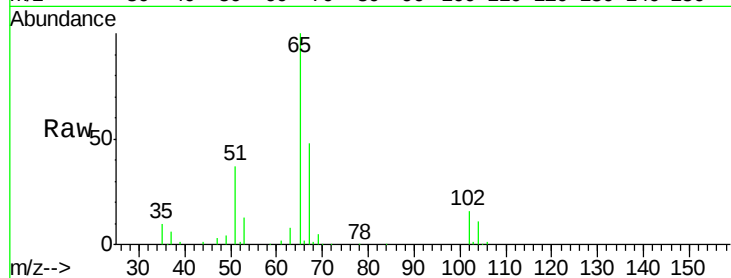




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058220.D
 Acq: 20 Jun 2018 20:04

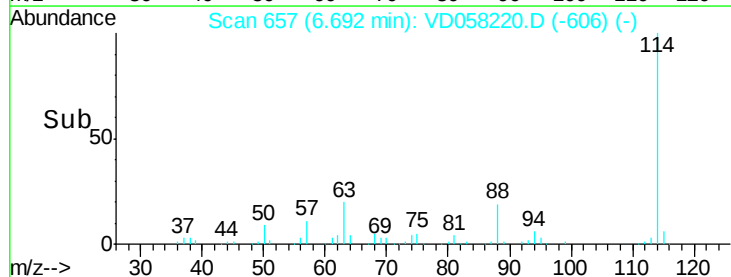
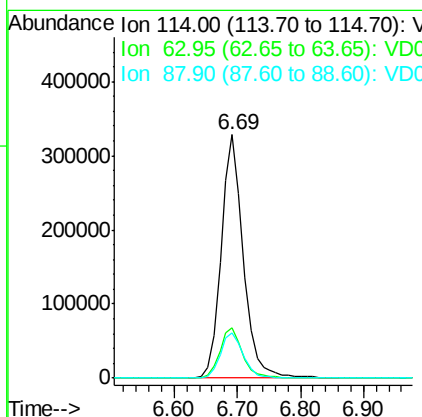
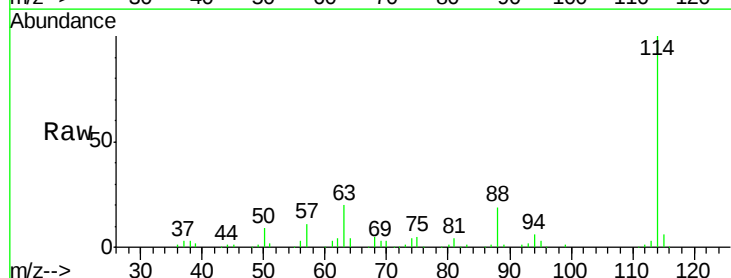
Instrument :
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 ClientSampleId :
 SSP-C-1-GRAB

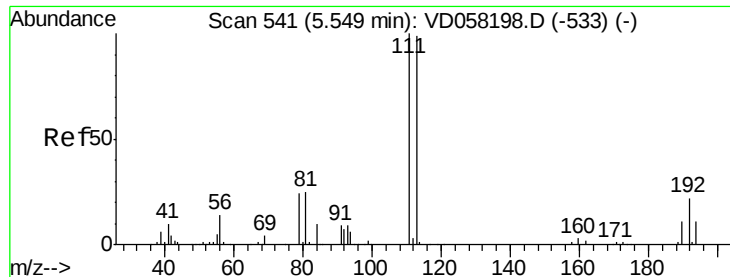
Tot Ion: 65 Resp: 372483
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058220.D
 Acq: 20 Jun 2018 20:04

Tgt Ion: 114 Resp: 798764
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 18.6 0.0 40.6

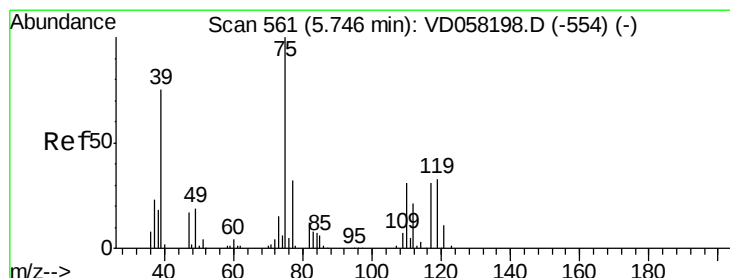
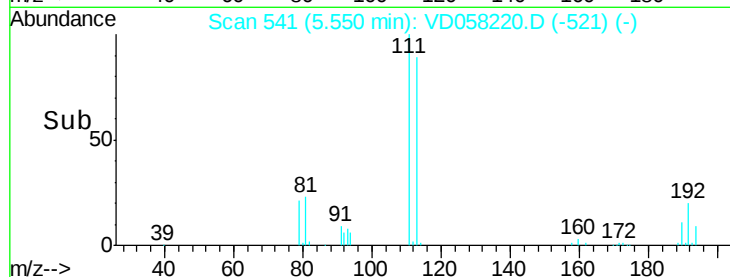
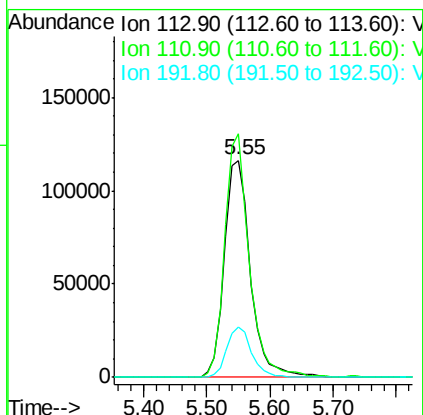
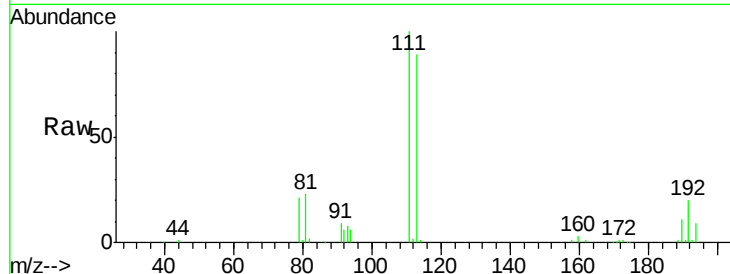




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058220.D
 Acq: 20 Jun 2018 20:04

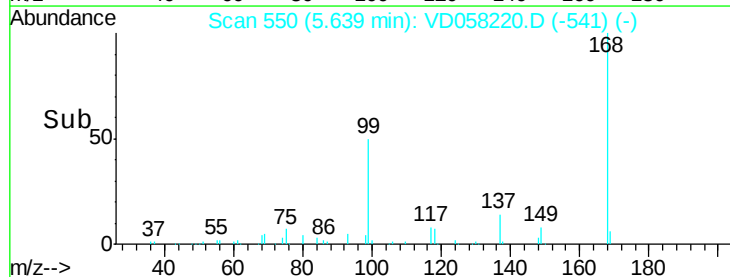
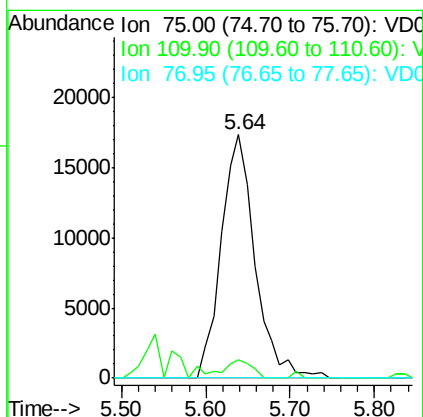
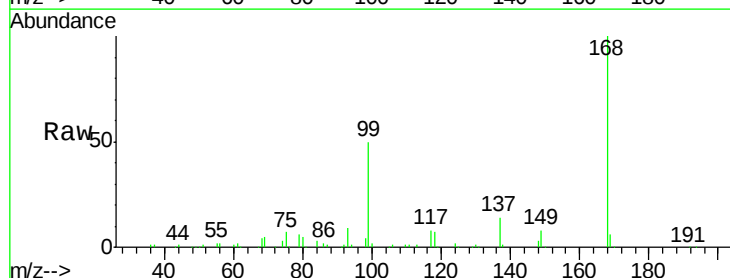
Instrument :
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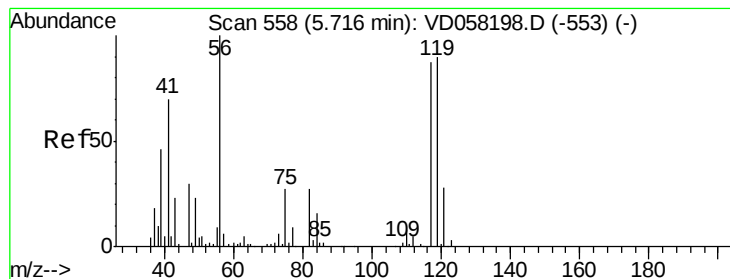
Tot Ion:113 Resp: 334104
 Ion Ratio Lower Upper
 113 100
 111 112.0 80.6 121.0
 192 23.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 6.121 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD058220.D
 Acq: 20 Jun 2018 20:04

Tgt Ion: 75 Resp: 48369
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.4 46.4#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.384 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-1-GRAB

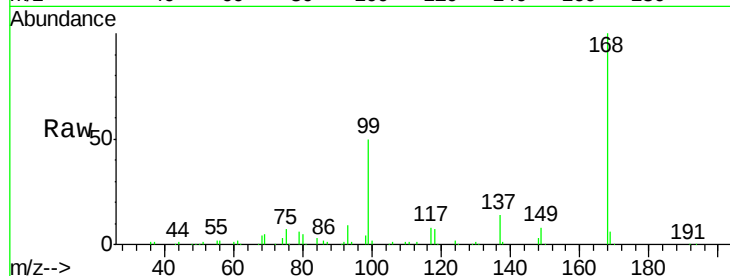
Tot Ion:117 Resp: 50122

Ion Ratio Lower Upper

117 100

119 4.7 78.8 118.2#

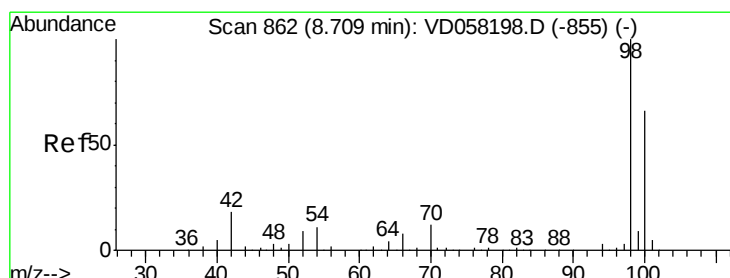
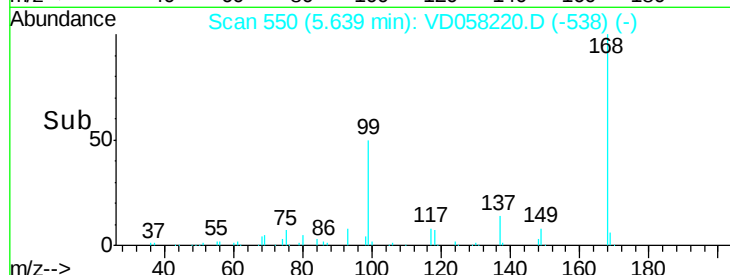
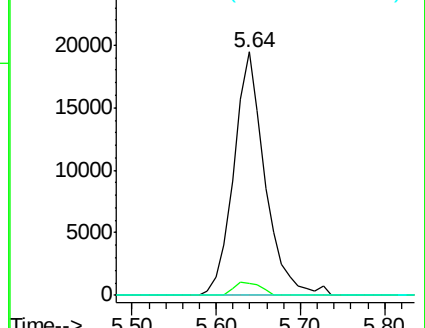
121 0.0 25.0 37.6#



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: VD058220.D

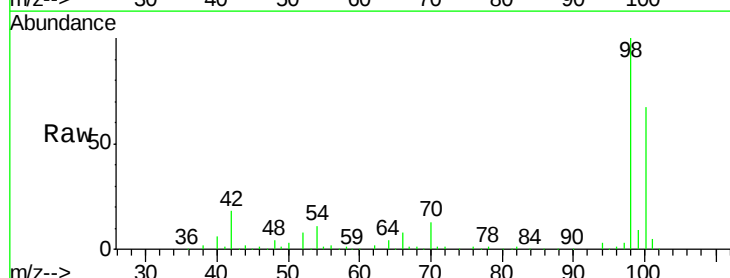
Acq: 20 Jun 2018 20:04

Tgt Ion: 98 Resp: 812658

Ion Ratio Lower Upper

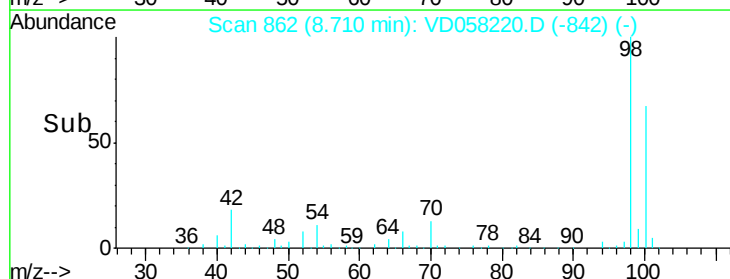
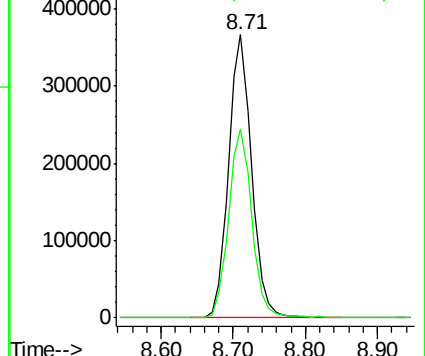
98 100

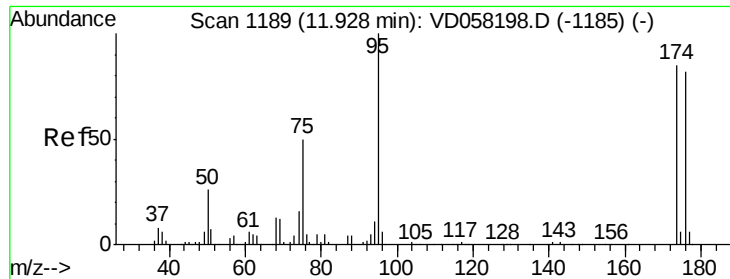
100 66.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

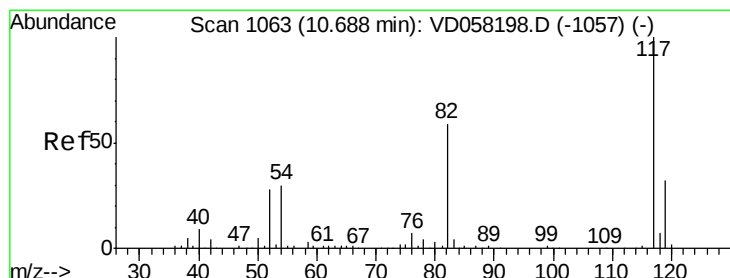
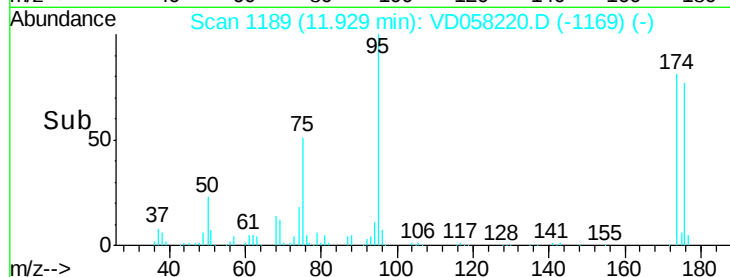
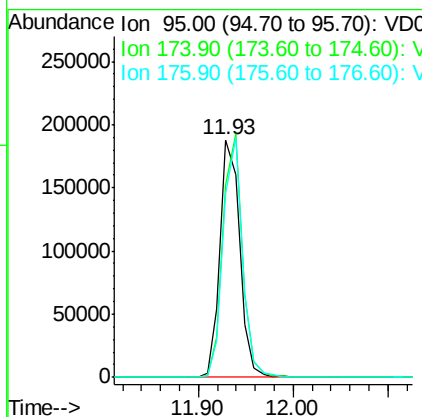
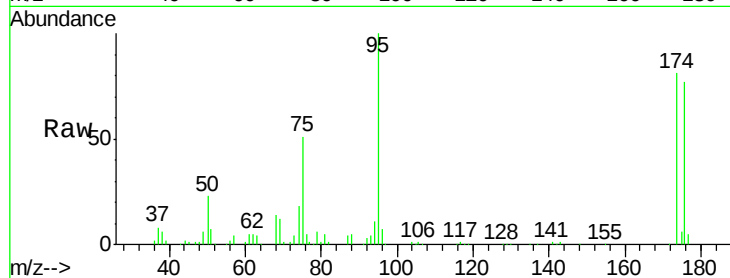




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058220.D
Acq: 20 Jun 2018 20:04

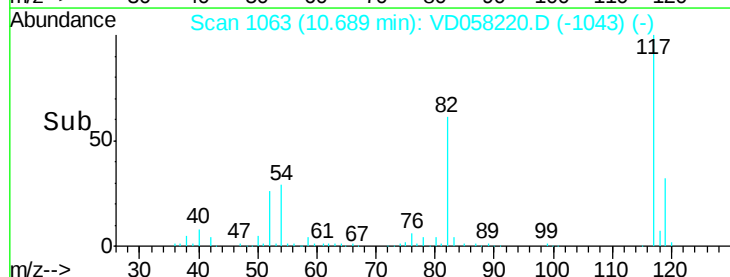
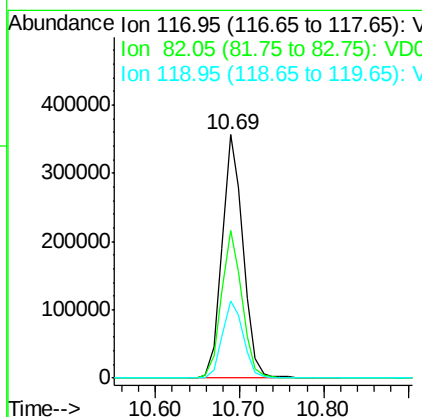
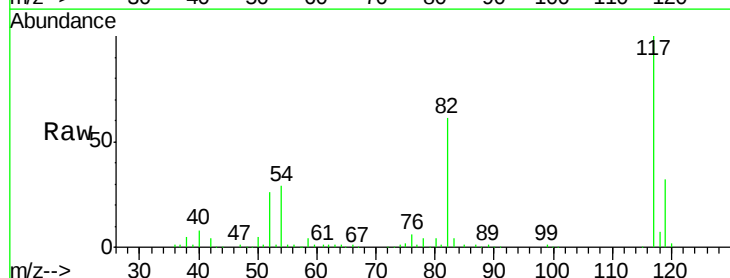
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-1-GRAB

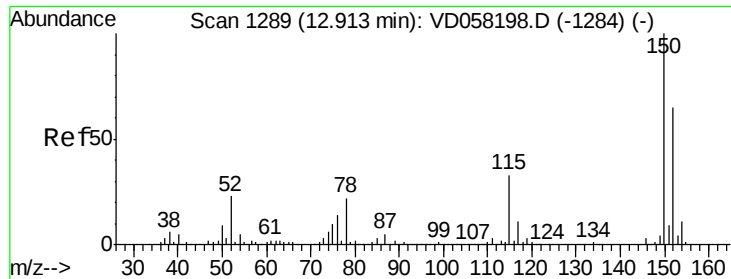
Tot Ion: 95 Resp: 272829
Ion Ratio Lower Upper
95 100
174 80.9 0.0 170.2
176 77.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058220.D
Acq: 20 Jun 2018 20:04

Tgt Ion: 117 Resp: 614326
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.6
119 31.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-1-GRAB

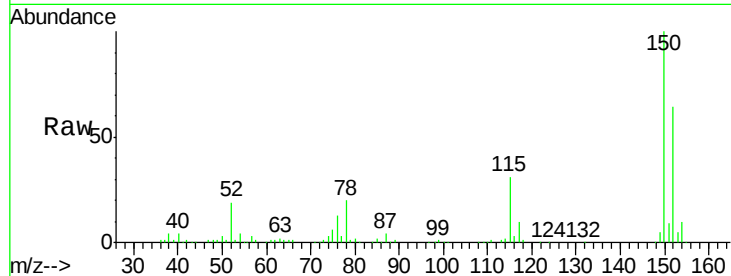
Tot Ion:152 Resp: 233408

Ion Ratio Lower Upper

152 100

115 48.6 25.1 75.3

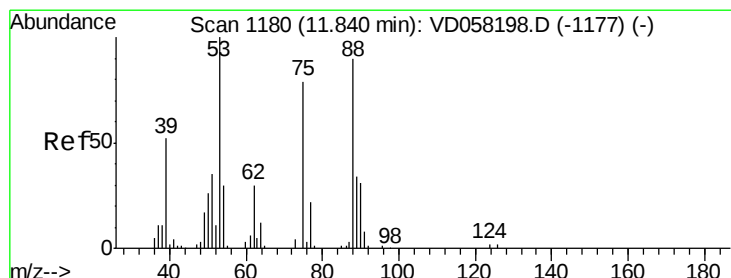
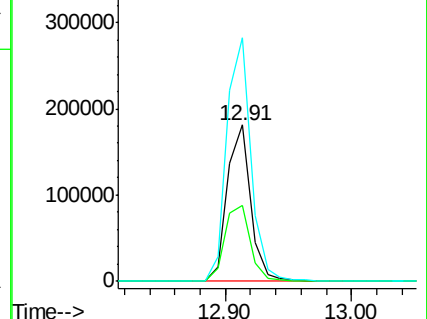
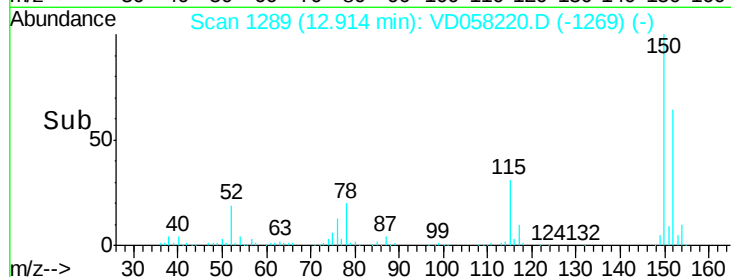
150 155.7 0.0 308.8



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: 168.598 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058220.D

Acq: 20 Jun 2018 20:04

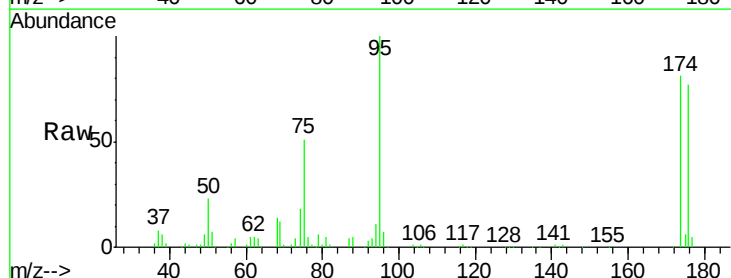
Tgt Ion: 75 Resp: 140129

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

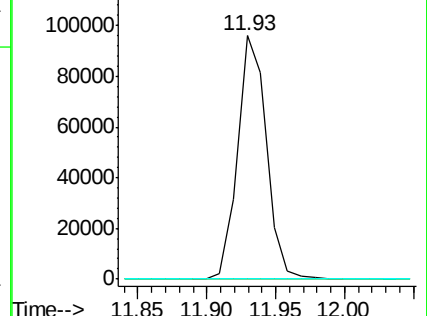
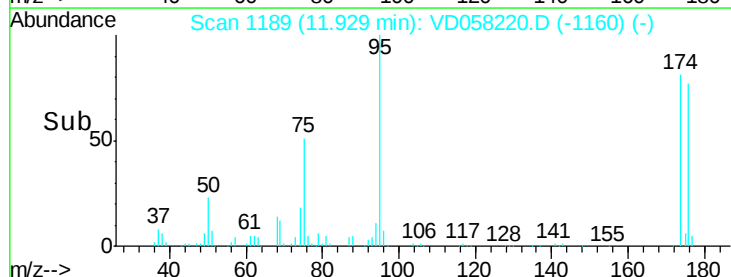
89 0.0 34.6 52.0#

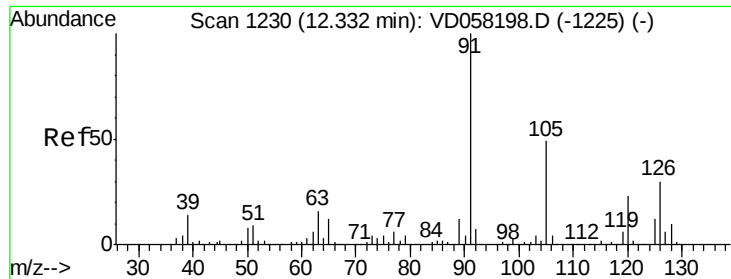


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD058220.D
 Acq: 20 Jun 2018 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-1-GRAB

Tot Ion: 91 Resp: 773
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

