

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058216.D
 Acq On : 20 Jun 2018 18:10
 Operator : VA/AP
 Sample : J3582-03
 Misc : 5.76g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-3-GRAB

Quant Time: Jun 21 01:46:48 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	667798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	833577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	660499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	281455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	343547	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.55	113	367918	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
50) Toluene-d8	8.71	98	789658	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.93	95	297715	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	

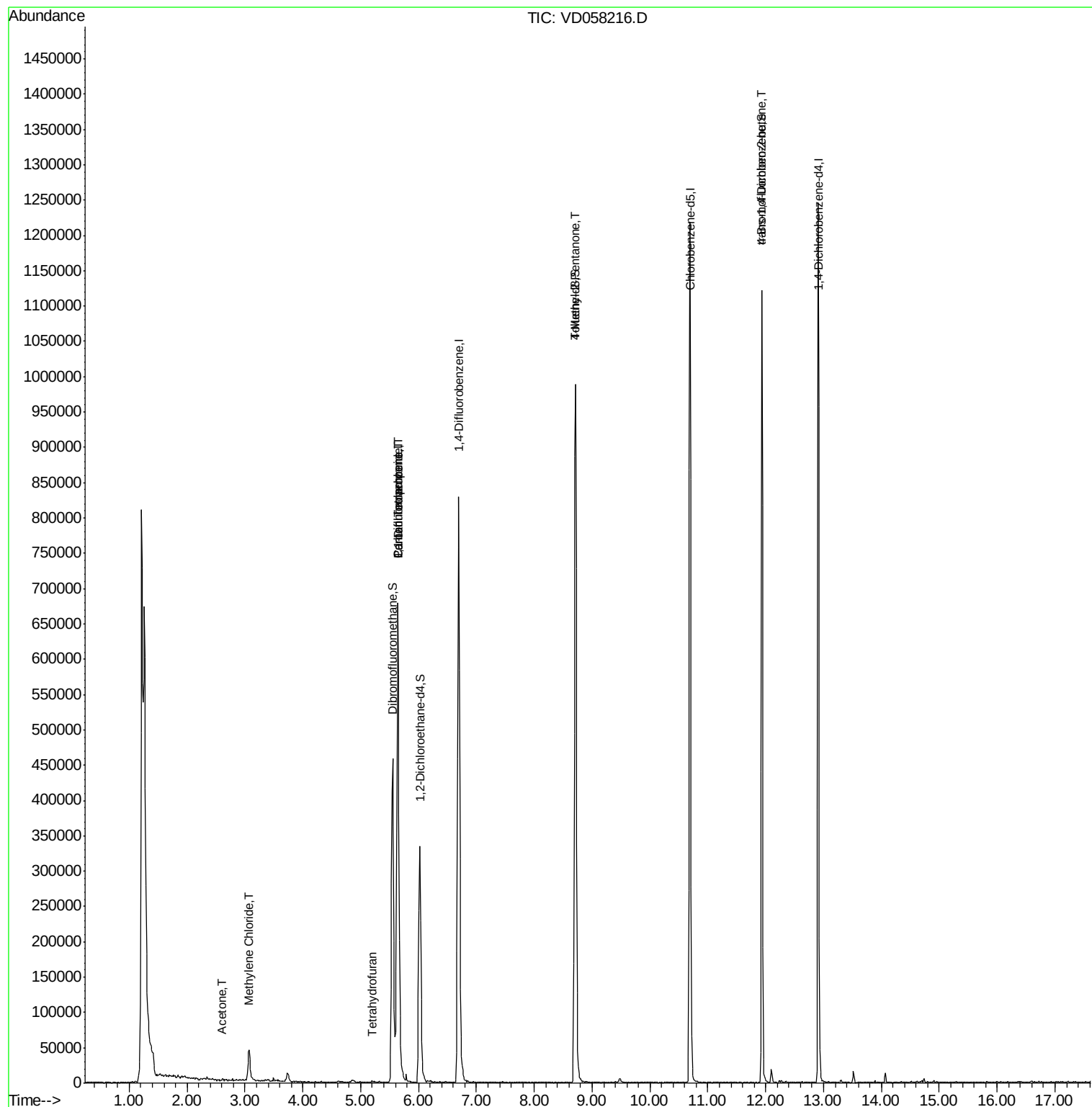
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	1083	Below Cal	#	43
3) Chloromethane	1.51	50	206	Below Cal	#	43
5) Bromomethane	1.81	94	182	Below Cal	#	3
16) Acetone	2.62	43	3801	4.120	ug/l #	62
20) Methylene Chloride	3.07	84	20315	4.057	ug/l	96
29) Tetrahydrofuran	5.20	42	1850	1.729	ug/l #	46
31) Cyclohexane	5.63	56	15968	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	53375	6.473	ug/l #	50
38) Carbon Tetrachloride	5.64	117	55510	6.775	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	5036	1.233	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	140328	140.015	ug/l #	1
82) 4-Chlorotoluene	12.33	91	824	Below Cal	#	45

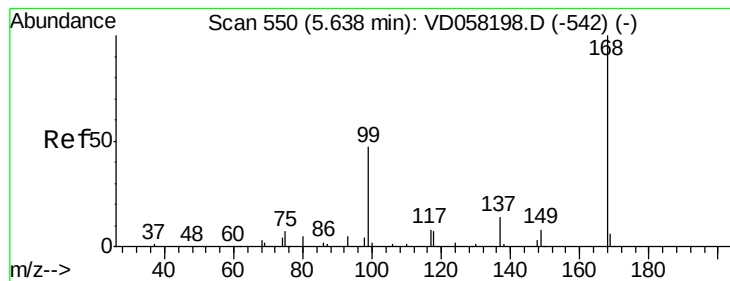
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

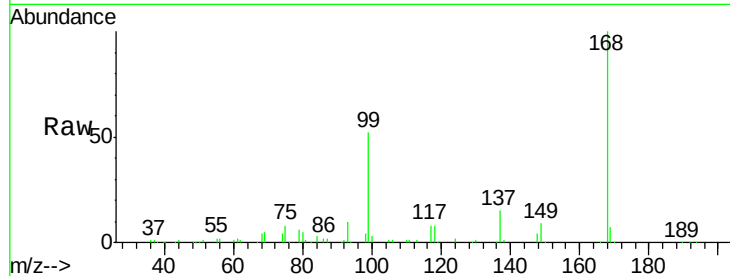
SSP-A-3-GRAB

Tot Ion:168 Resp: 667798

Ion Ratio Lower Upper

168 100

99 51.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

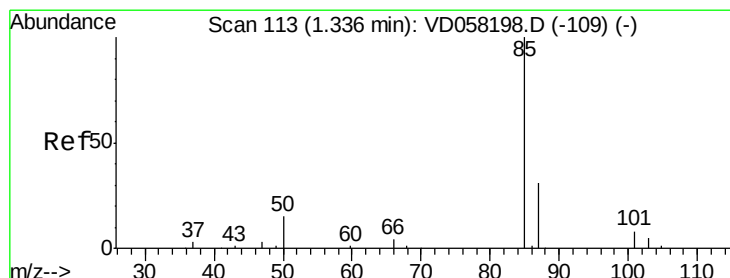
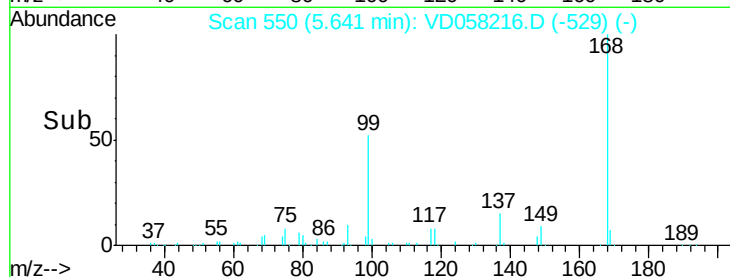
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058216.D

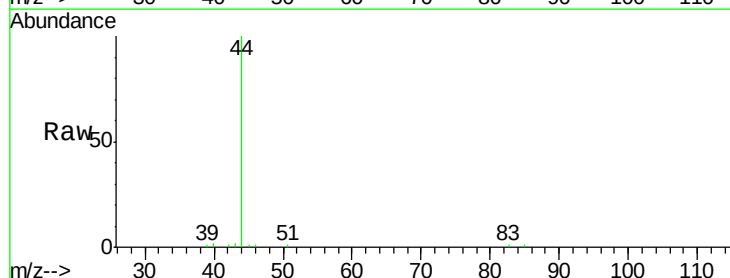
Acq: 20 Jun 2018 18:10

Tgt Ion: 85 Resp: 1083

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

800

600

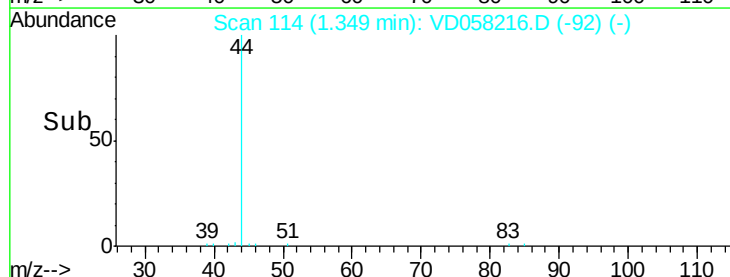
400

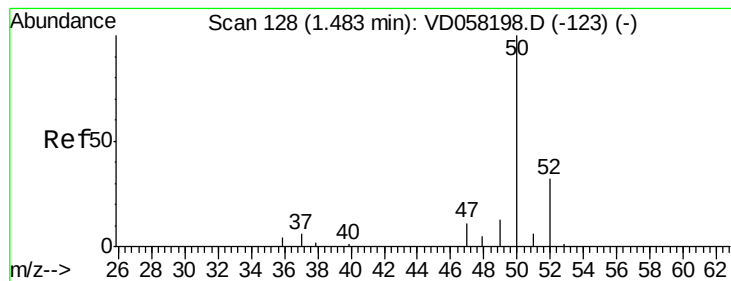
200

0

Time-->

1.30 1.35





#3

Chloromethane

Concen: Below Cal

RT: 1.51 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

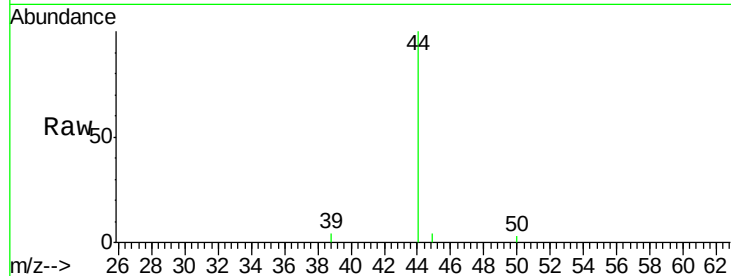
SSP-A-3-GRAB

Tot Ion: 50 Resp: 206

Ion Ratio Lower Upper

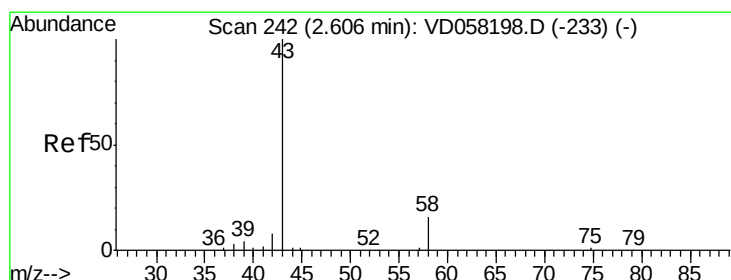
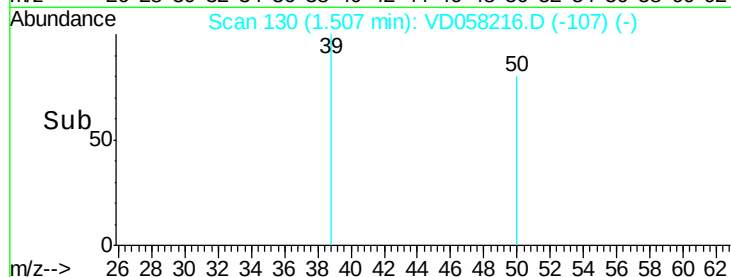
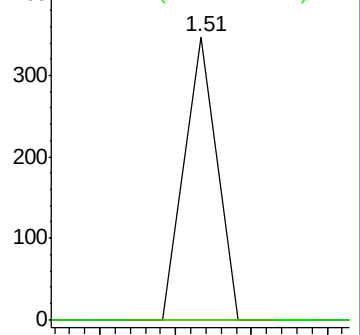
50 100

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



#16

Acetone

Concen: 4.120 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058216.D

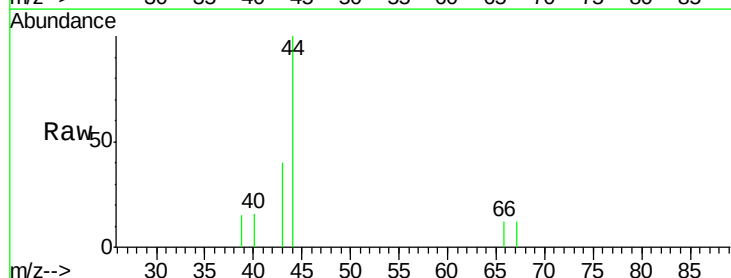
Acq: 20 Jun 2018 18:10

Tgt Ion: 43 Resp: 3801

Ion Ratio Lower Upper

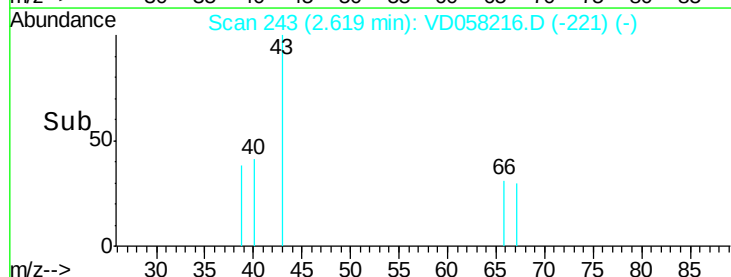
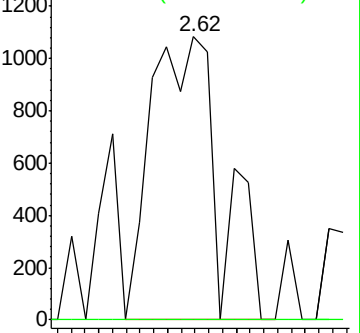
43 100

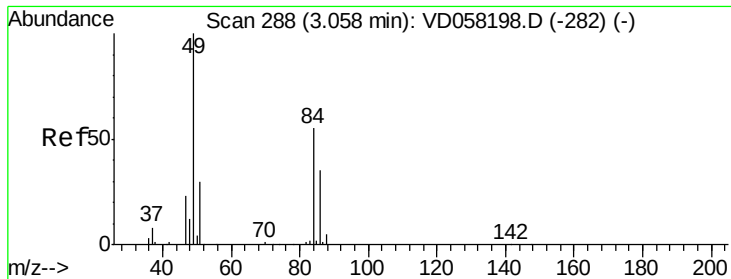
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

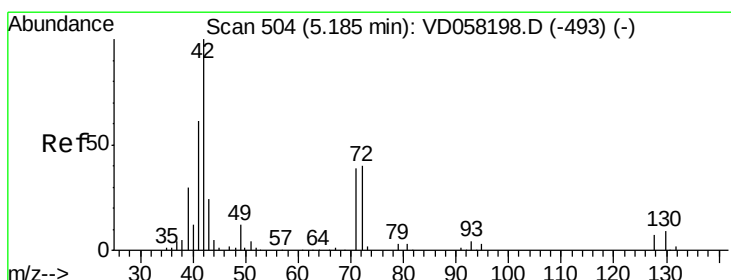
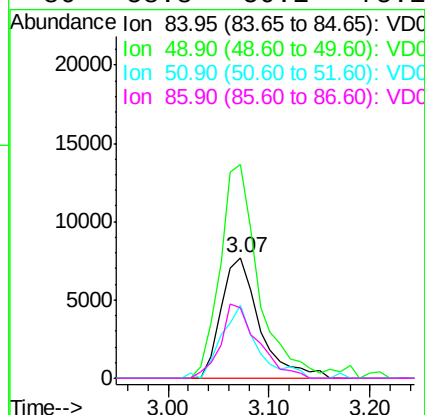
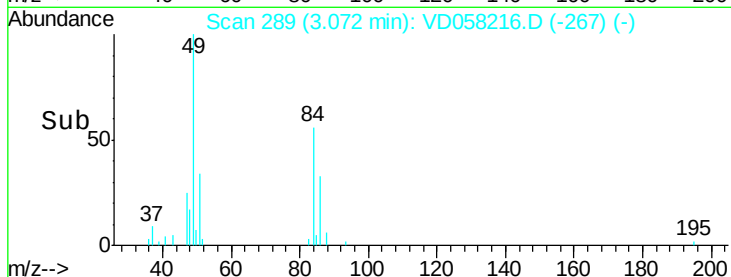
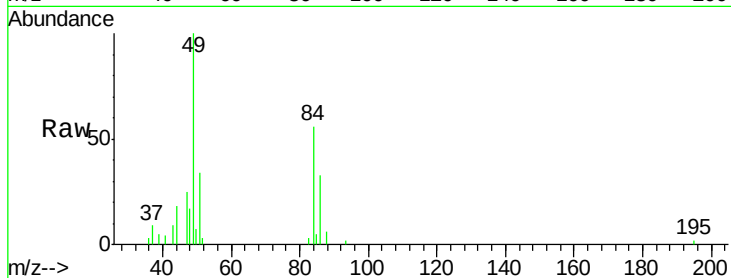




#20
Methylene Chloride
Concen: 4.057 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058216.D
Acq: 20 Jun 2018 18:10

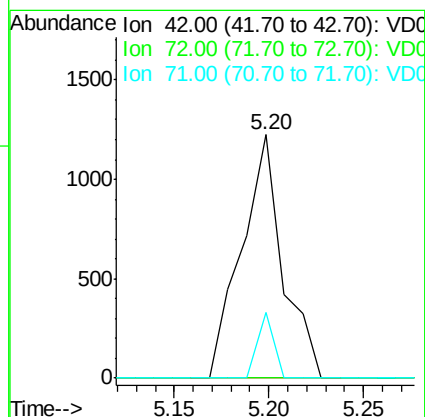
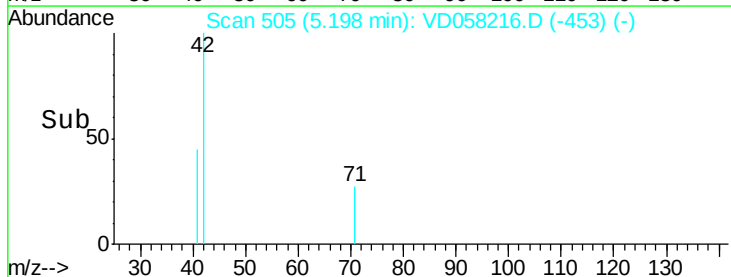
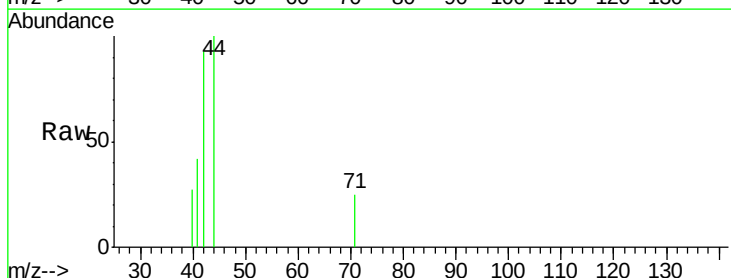
Instrument :
MSVOA_D
ClientSampleId :
SSP-A-3-GRAB

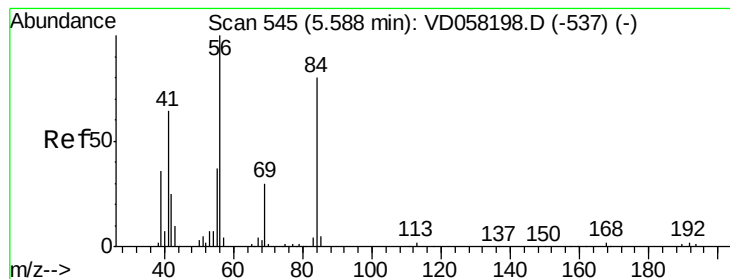
Tot Ion:	84	Resp:	20315
Ion	Ratio	Lower	Upper
84	100		
49	177.4	145.0	217.6
51	60.2	42.9	64.3
86	58.8	50.1	75.1



#29
Tetrahydrofuran
Concen: 1.729 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058216.D
Acq: 20 Jun 2018 18:10

Tgt Ion:	42	Resp:	1850
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	10.5	30.1	45.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.04 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-3-GRAB

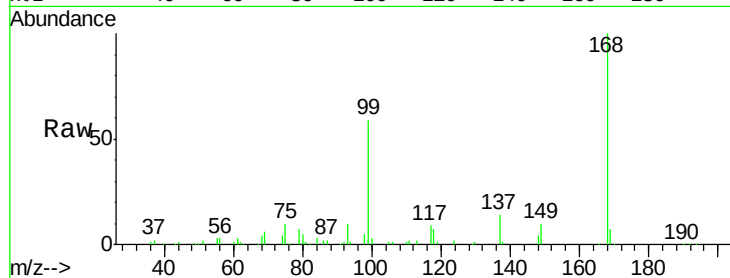
Tot Ion: 56 Resp: 15968

Ion Ratio Lower Upper

56 100

69 208.9 23.6 35.4#

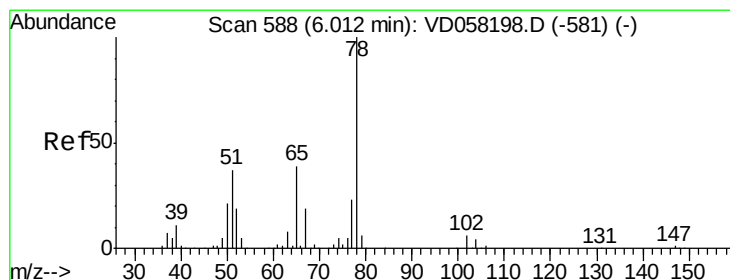
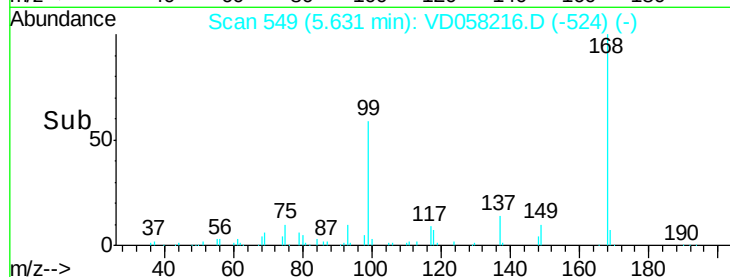
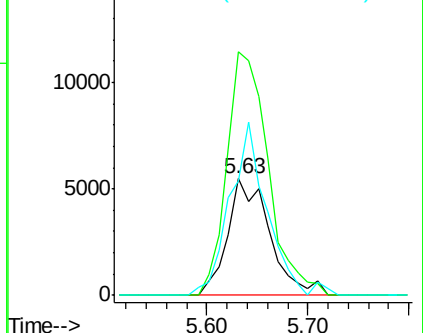
84 97.6 65.2 97.8



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: 6.02 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058216.D

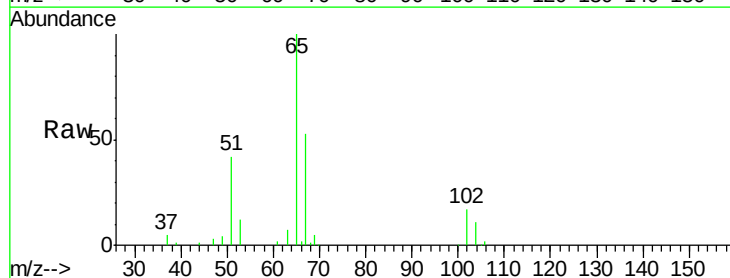
Acq: 20 Jun 2018 18:10

Tgt Ion: 65 Resp: 343547

Ion Ratio Lower Upper

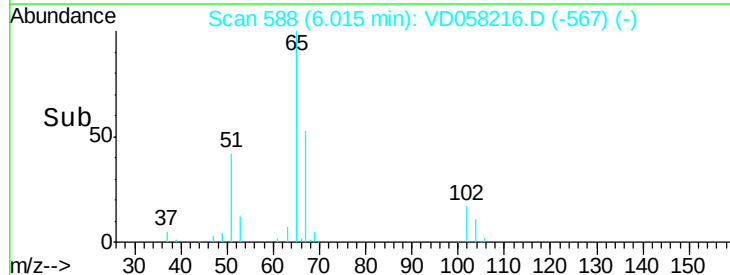
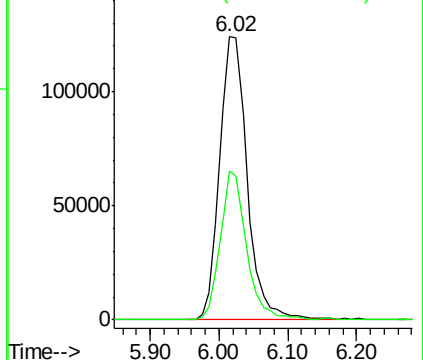
65 100

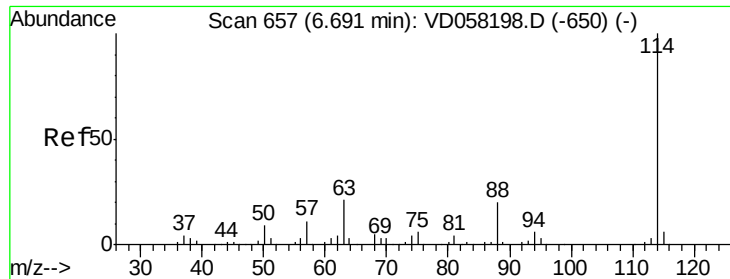
67 52.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

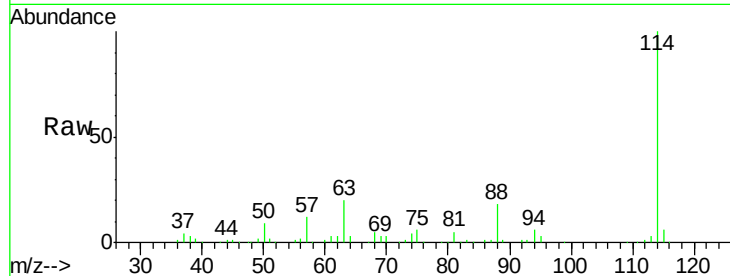




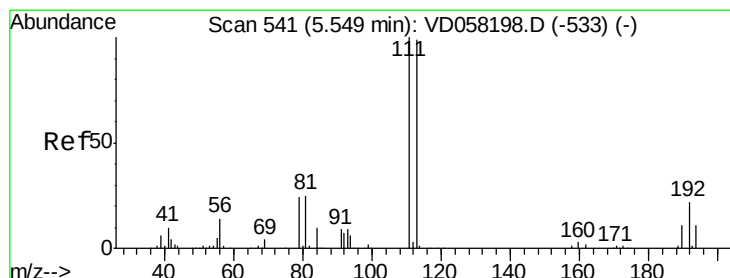
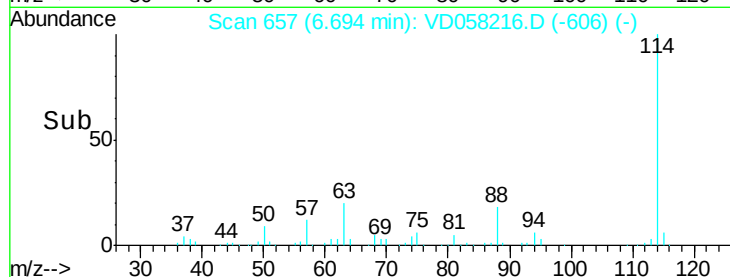
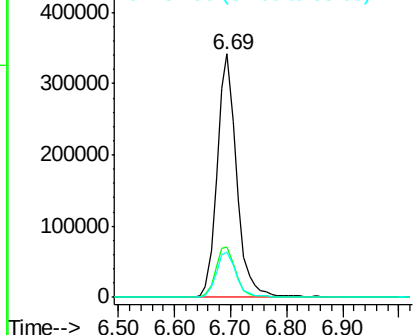
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058216.D
 Acq: 20 Jun 2018 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-3-GRAB

Tot Ion:114 Resp: 833577
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 18.3 0.0 40.6

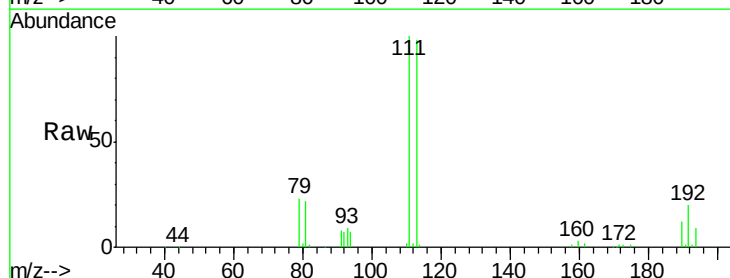


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

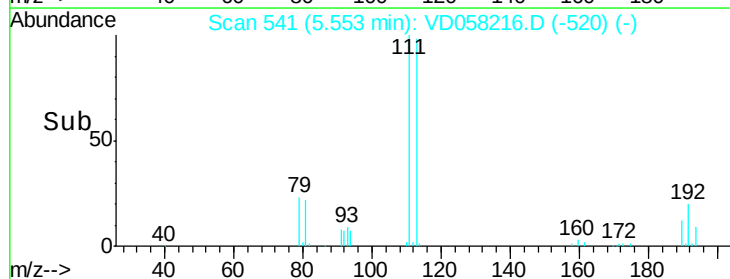
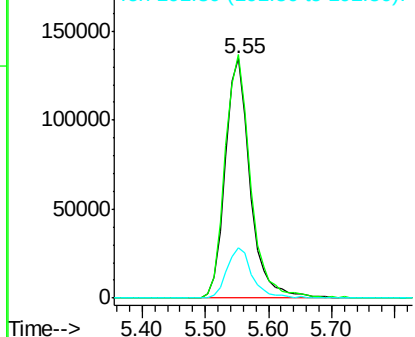


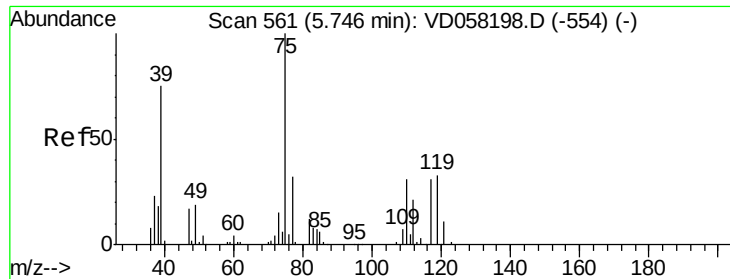
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD058216.D
 Acq: 20 Jun 2018 18:10

Tgt Ion:113 Resp: 367918
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.6 121.0
 192 20.8 17.8 26.6



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

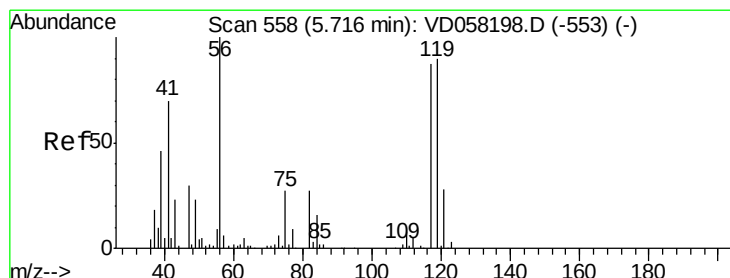
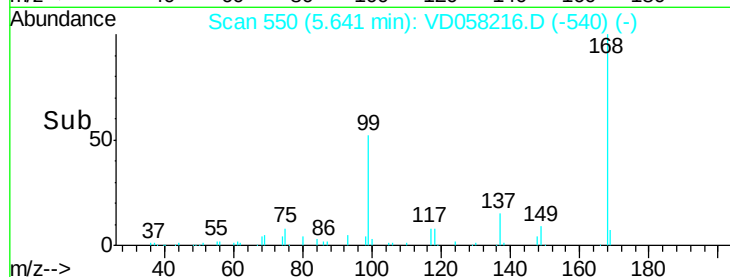
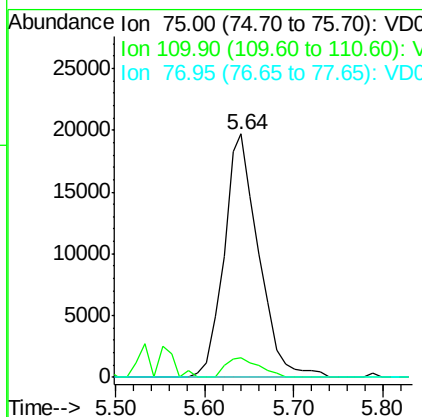
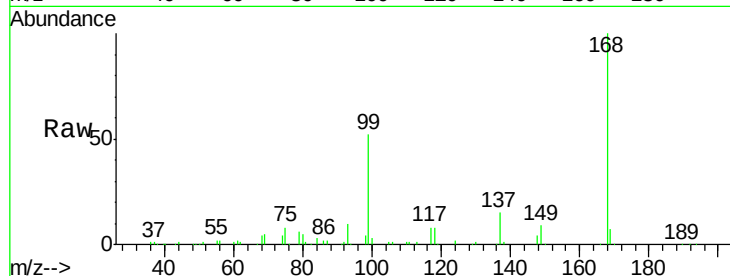




#36
 1,1-Dichloropropene
 Concen: 6.473 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD058216.D
 Acq: 20 Jun 2018 18:10

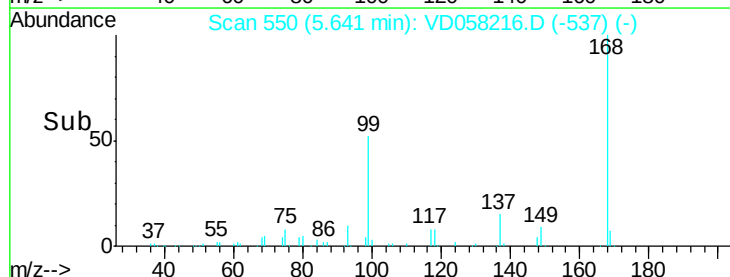
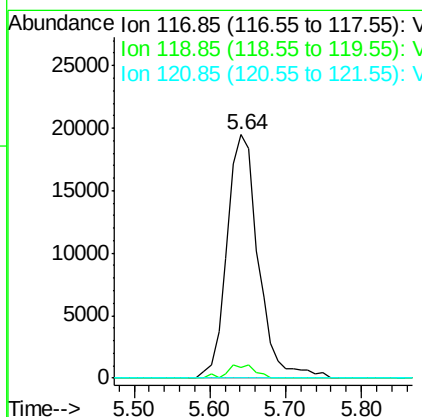
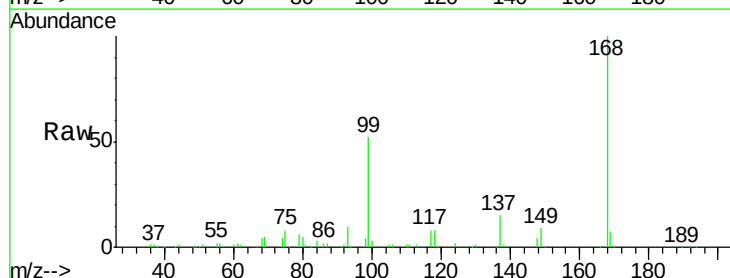
Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-3-GRAB

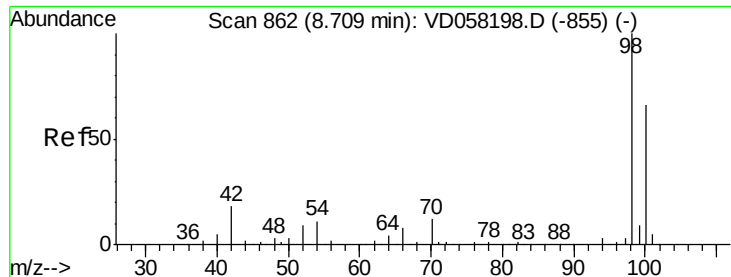
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	15.4	46.4#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.775 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.08 min
 Lab File: VD058216.D
 Acq: 20 Jun 2018 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.8	118.2#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

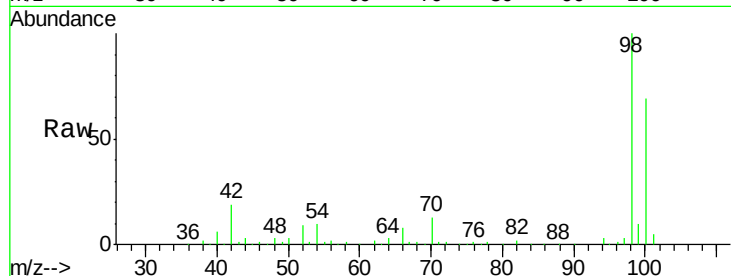
SSP-A-3-GRAB

Tot Ion: 98 Resp: 789658

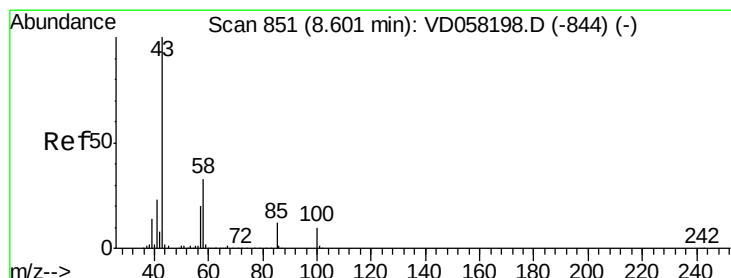
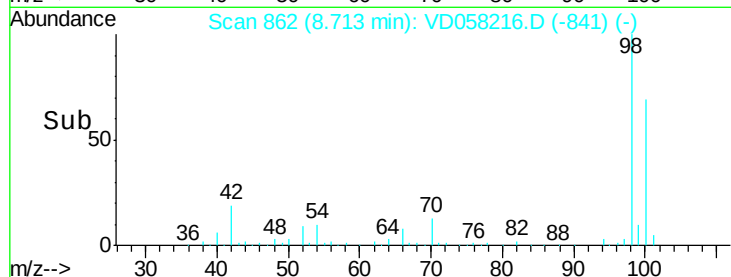
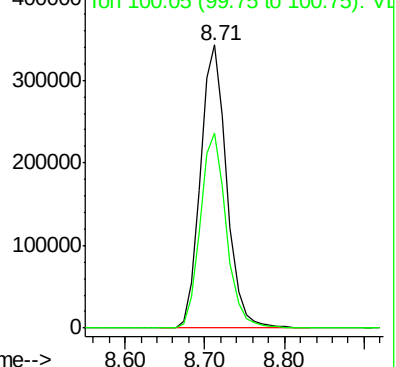
Ion Ratio Lower Upper

98 100

100 69.1 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.233 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD058216.D

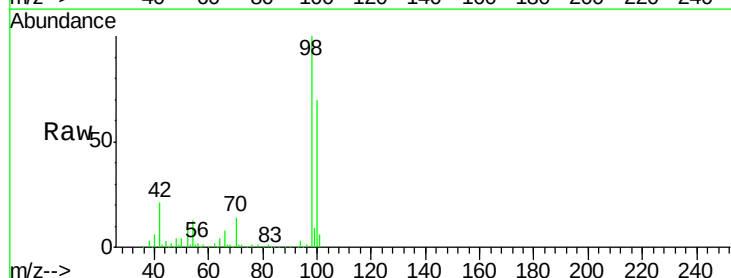
Acq: 20 Jun 2018 18:10

Tgt Ion: 43 Resp: 5036

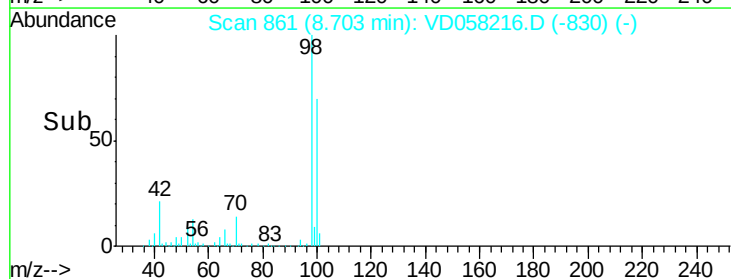
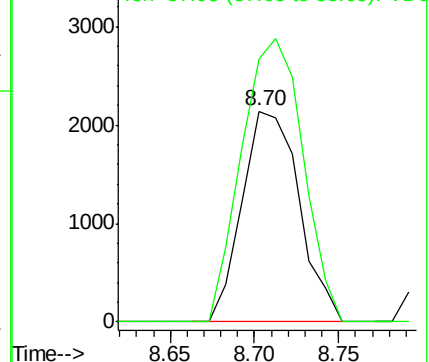
Ion Ratio Lower Upper

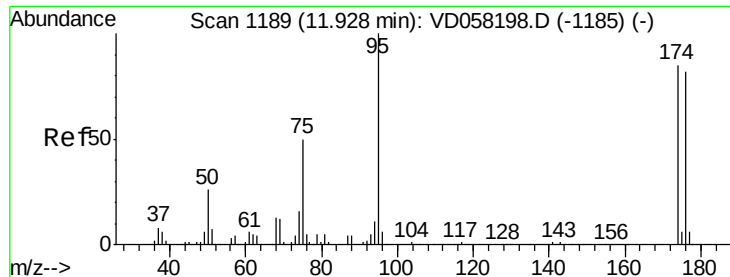
43 100

58 124.3 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058198.D (-844) (-)

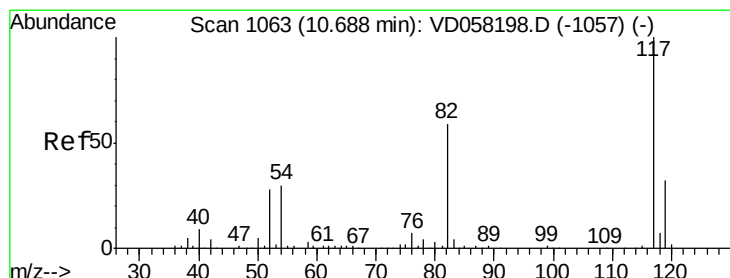
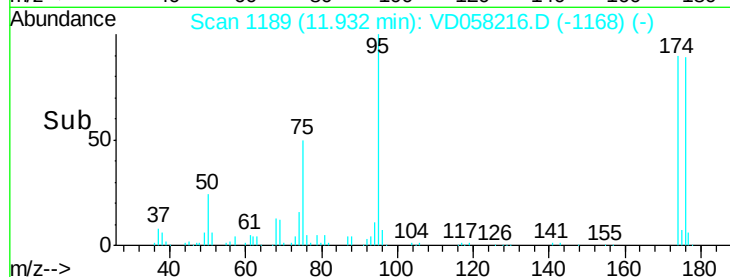
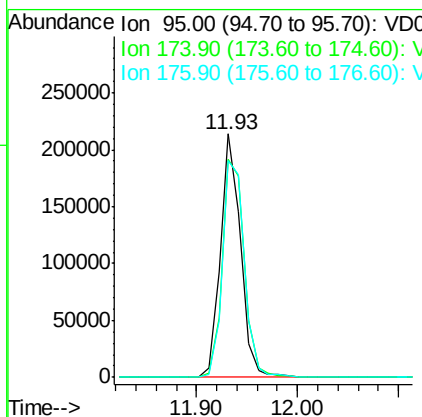
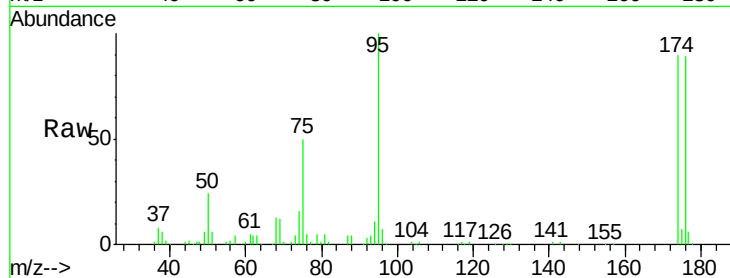




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058216.D
Acq: 20 Jun 2018 18:10

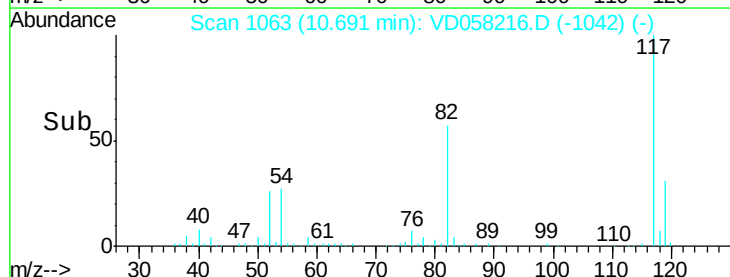
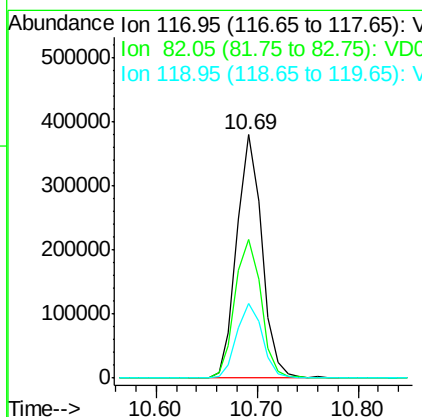
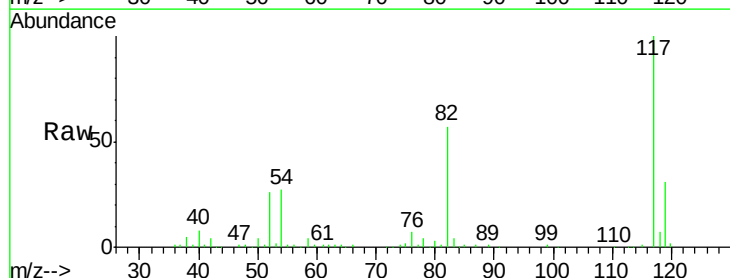
Instrument :
MSVOA_D
ClientSampleId :
SSP-A-3-GRAB

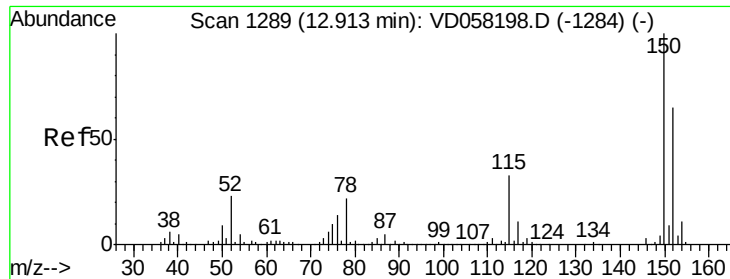
Tot Ion: 95 Resp: 297715
Ion Ratio Lower Upper
95 100
174 89.5 0.0 170.2
176 89.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058216.D
Acq: 20 Jun 2018 18:10

Tgt Ion: 117 Resp: 660499
Ion Ratio Lower Upper
117 100
82 56.9 47.0 70.6
119 30.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-3-GRAB

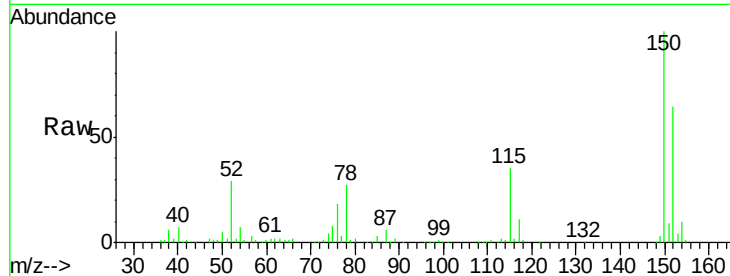
Tot Ion:152 Resp: 281455

Ion Ratio Lower Upper

152 100

115 54.6 25.1 75.3

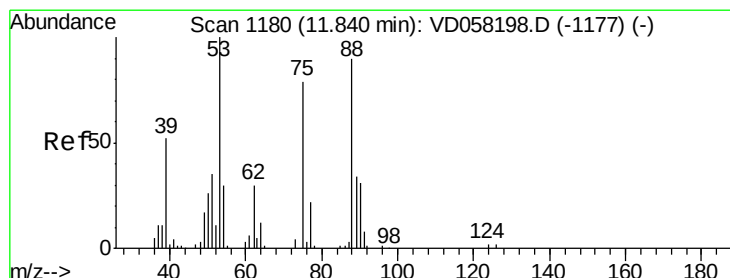
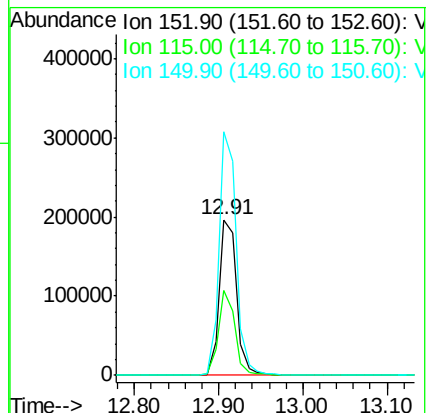
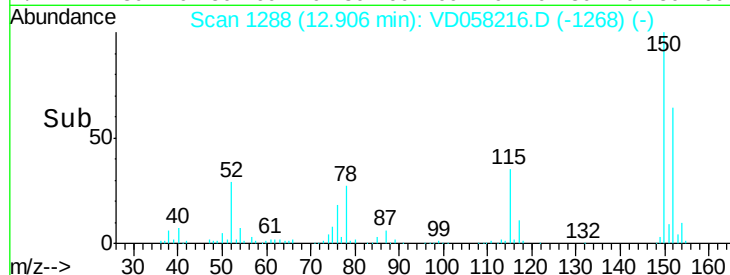
150 156.8 0.0 308.8



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: 140.015 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058216.D

Acq: 20 Jun 2018 18:10

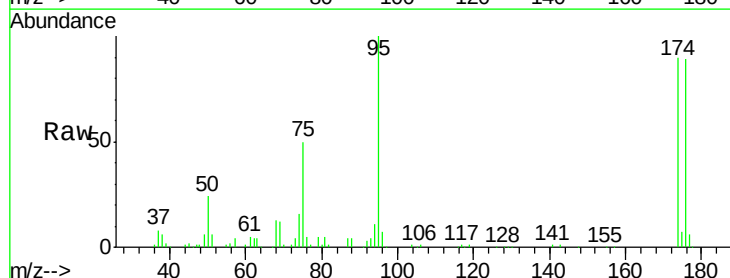
Tgt Ion: 75 Resp: 140328

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

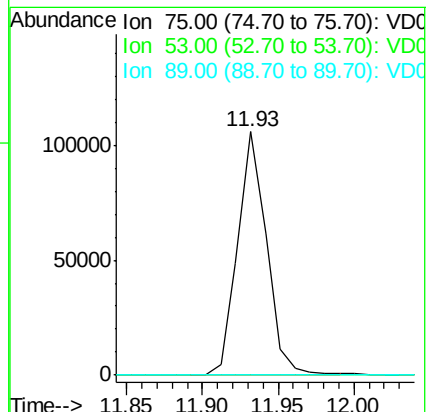
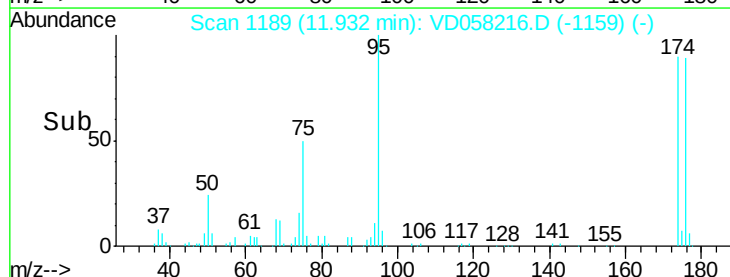
89 0.0 34.6 52.0#

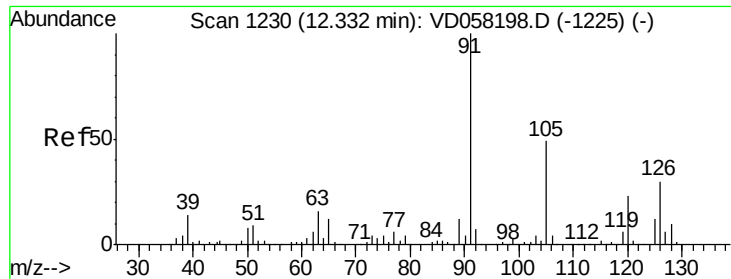


Abundance Ion 75.00 (74.70 to 75.70): VDC

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# 1229
 Delta R.T. -0.01 min
 Lab File: VD058216.D
 Acq: 20 Jun 2018 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-3-GRAB

Tot Ion: 91 Resp: 824
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

