

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058215.D
 Acq On : 20 Jun 2018 17:42
 Operator : VA/AP
 Sample : J3582-02
 Misc : 5.80g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-2-GRAB

Quant Time: Jun 21 01:46:39 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	5.65	168	689033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	902701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	664280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	283519	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	366099	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	5.56	113	374897	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	8.72	98	814330	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	11.94	95	297485	40.97	ug/l	0.00
Spiked Amount			Recovery	=	81.94%	

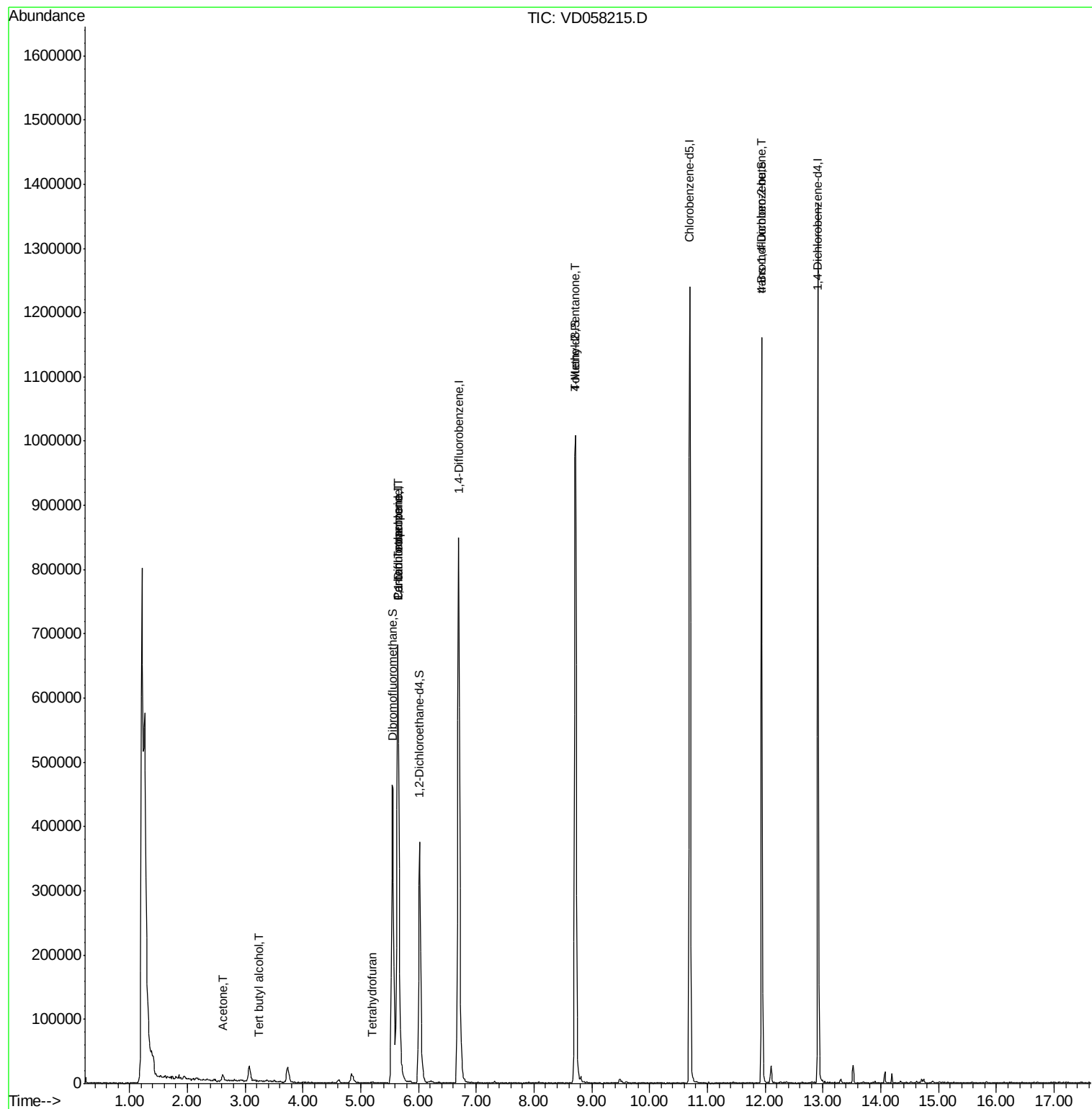
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	695	Below Cal	#	43
3) Chloromethane	1.49	50	398	Below Cal	#	43
5) Bromomethane	1.81	94	220	Below Cal	#	3
11) Tert butyl alcohol	3.24	59	788	3.433	ug/l #	78
16) Acetone	2.61	43	18984	19.945	ug/l	96
20) Methylene Chloride	3.08	84	9981	Below Cal	#	80
29) Tetrahydrofuran	5.21	42	1245	1.128	ug/l #	64
31) Cyclohexane	5.65	56	17881	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	57642	6.455	ug/l #	48
38) Carbon Tetrachloride	5.65	117	58028	6.540	ug/l #	13
51) 4-Methyl-2-Pentanone	8.71	43	4827	1.091	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.94	75	139426	138.102	ug/l #	1
82) 4-Chlorotoluene	12.33	91	836	Below Cal	#	45

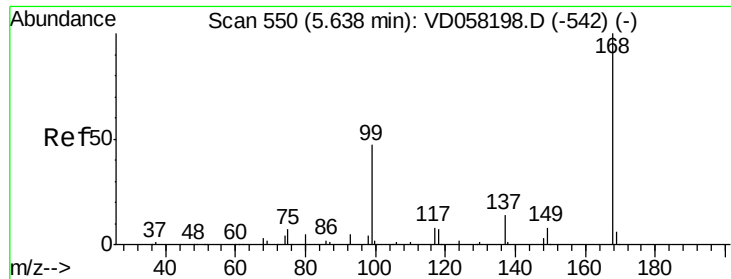
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

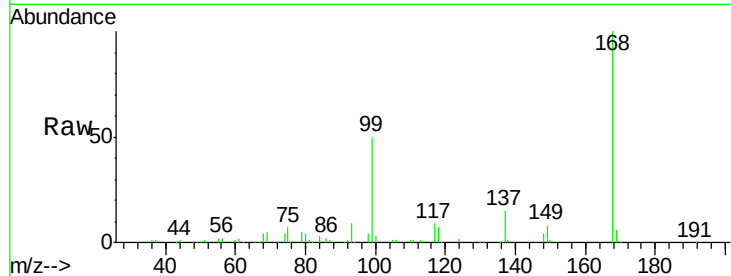
SSP-A-2-GRAB

Tot Ion:168 Resp: 689033

Ion Ratio Lower Upper

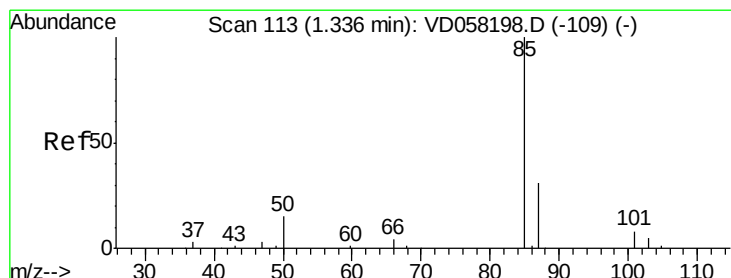
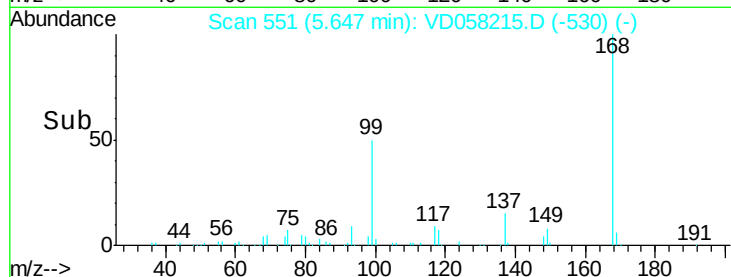
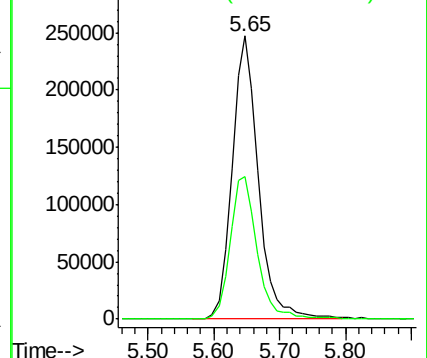
168 100

99 50.4 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# 114

Delta R.T. 0.01 min

Lab File: VD058215.D

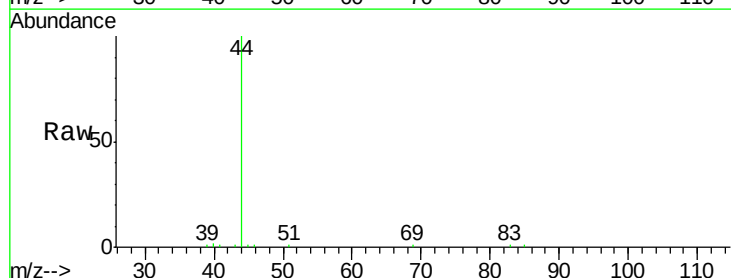
Acq: 20 Jun 2018 17:42

Tgt Ion: 85 Resp: 695

Ion Ratio Lower Upper

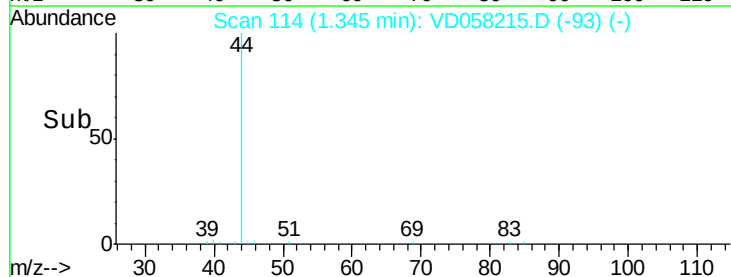
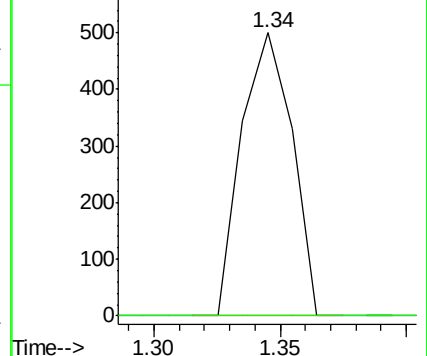
85 100

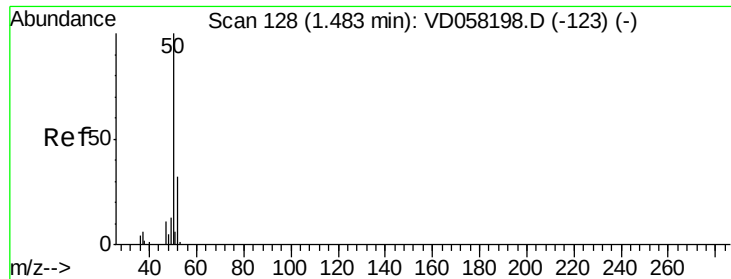
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

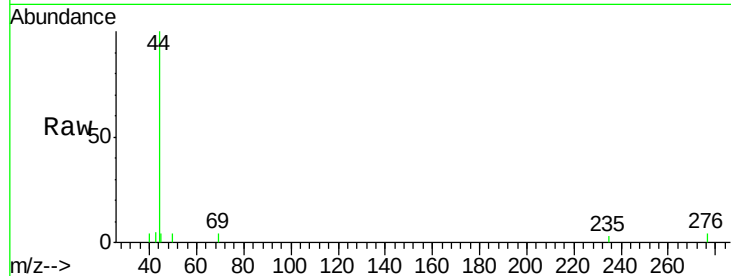
SSP-A-2-GRAB

Tot Ion: 50 Resp: 398

Ion Ratio Lower Upper

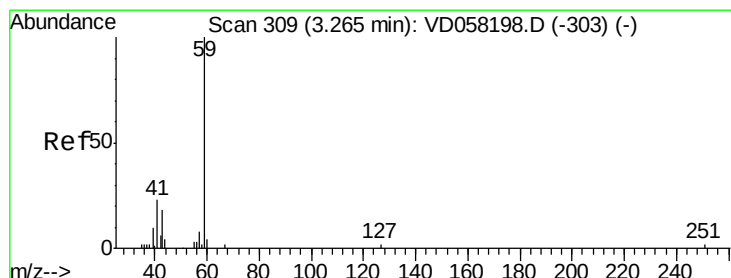
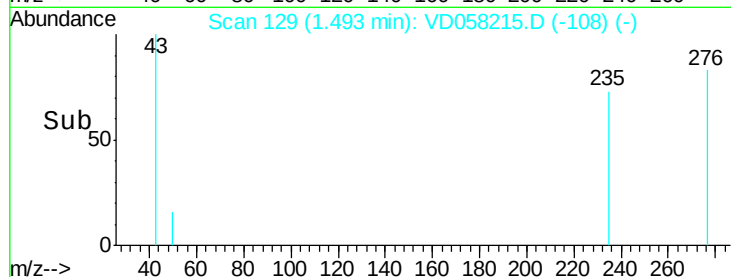
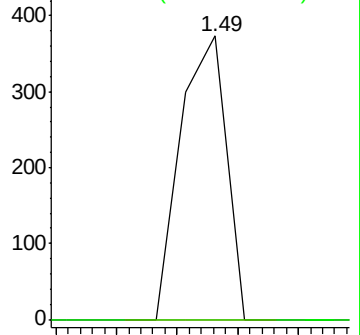
50 100

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



#11

Tert butyl alcohol

Concen: 3.433 ug/l

RT: 3.24 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD058215.D

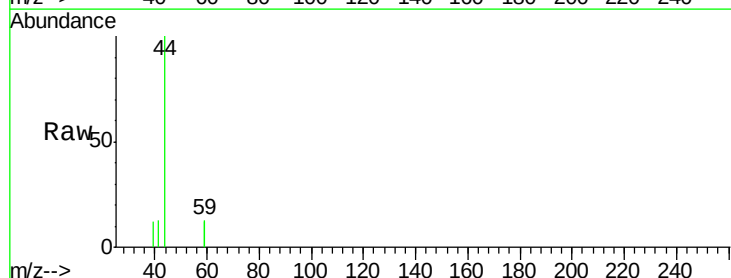
Acq: 20 Jun 2018 17:42

Tgt Ion: 59 Resp: 788

Ion Ratio Lower Upper

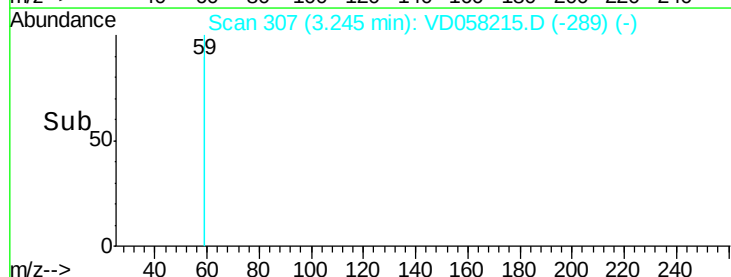
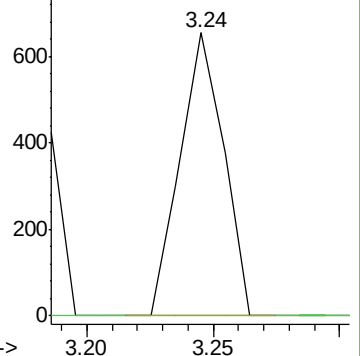
59 100

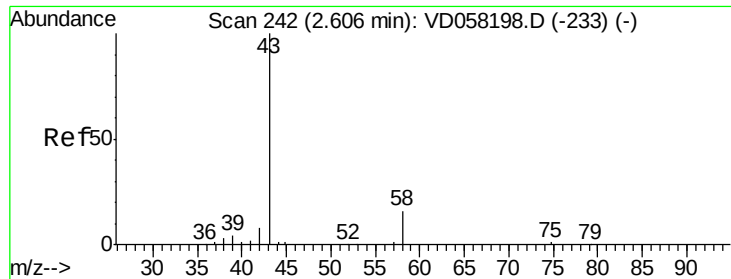
57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 19.945 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

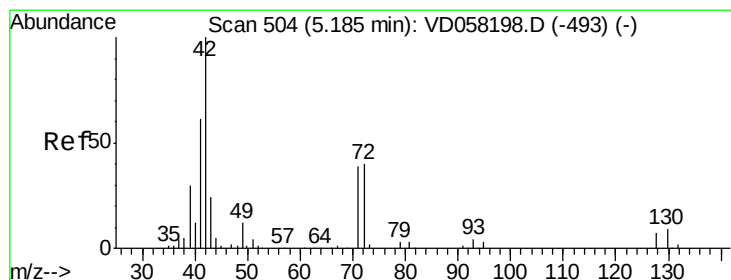
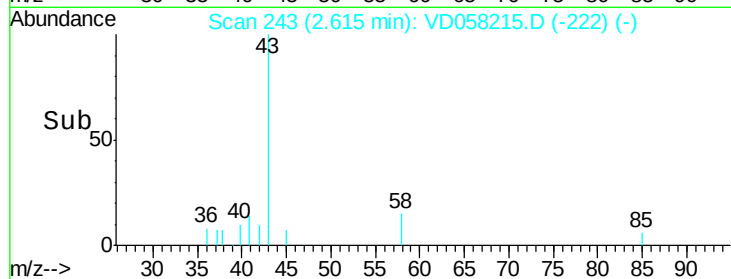
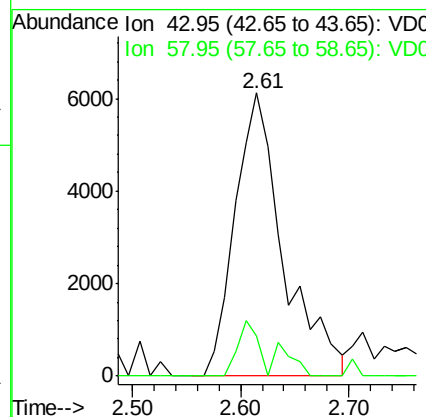
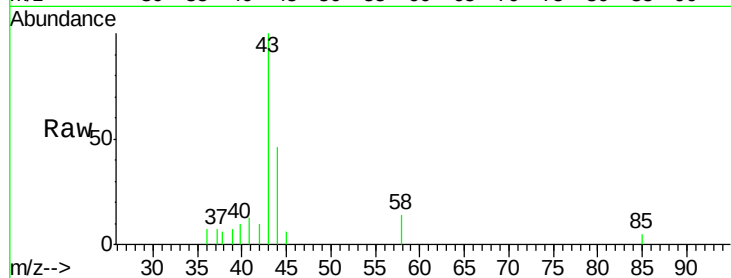
SSP-A-2-GRAB

Tot Ion: 43 Resp: 18984

Ion Ratio Lower Upper

43 100

58 14.2 12.7 19.1



#29

Tetrahydrofuran

Concen: 1.128 ug/l

RT: 5.21 min Scan# 507

Delta R.T. 0.03 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

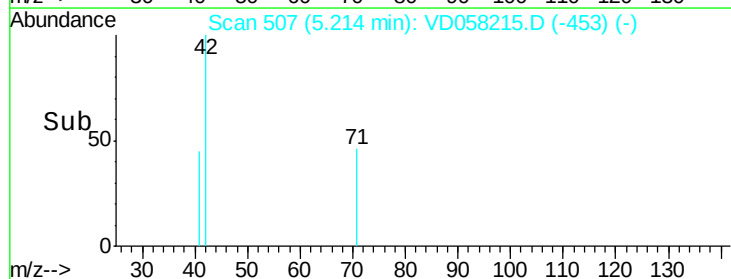
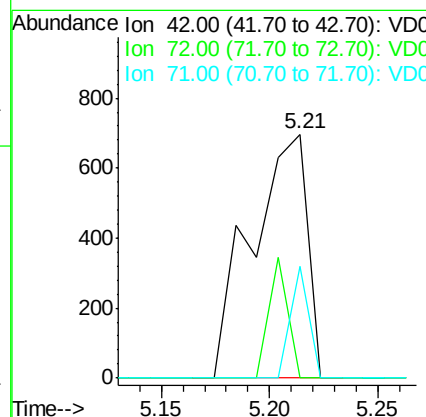
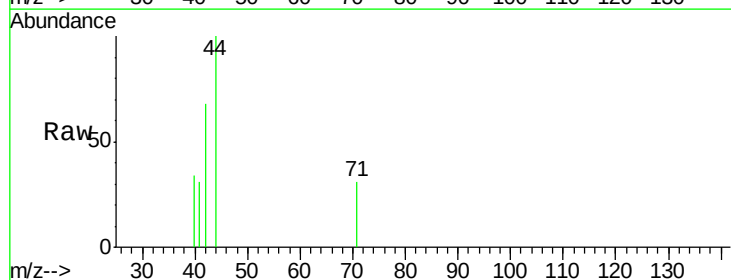
Tgt Ion: 42 Resp: 1245

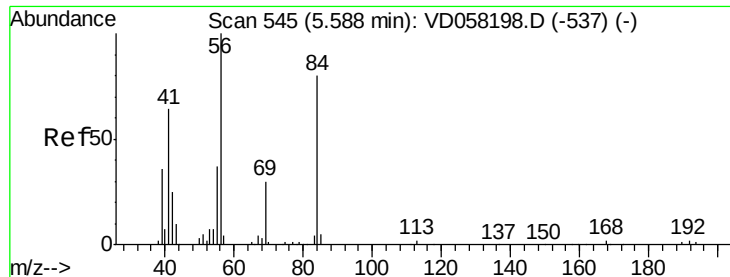
Ion Ratio Lower Upper

42 100

72 16.4 30.2 45.2#

71 15.3 30.1 45.1#

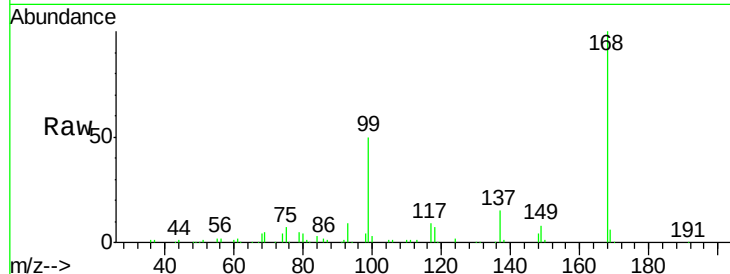




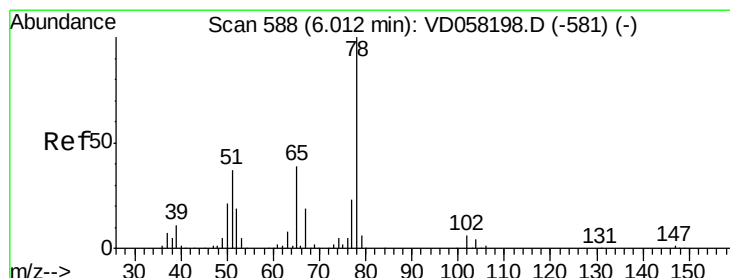
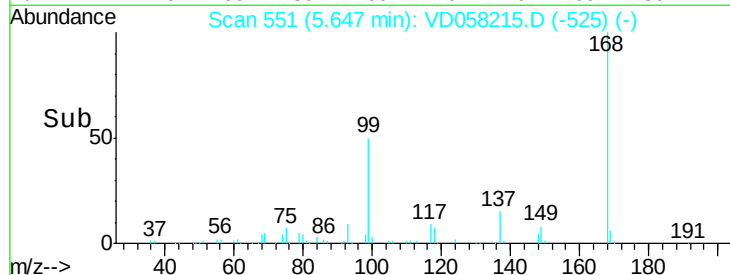
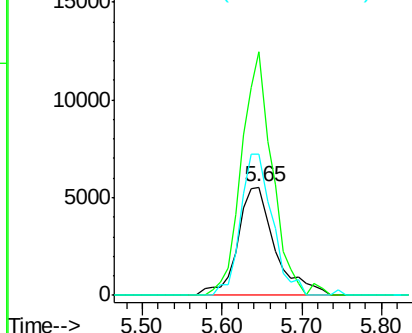
#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058215.D
Acq: 20 Jun 2018 17:42

Instrument :
MSVOA_D
ClientSampleId :
SSP-A-2-GRAB

Tot Ion: 56 Resp: 17881
Ion Ratio Lower Upper
56 100
69 224.5 23.6 35.4#
84 130.0 65.2 97.8#

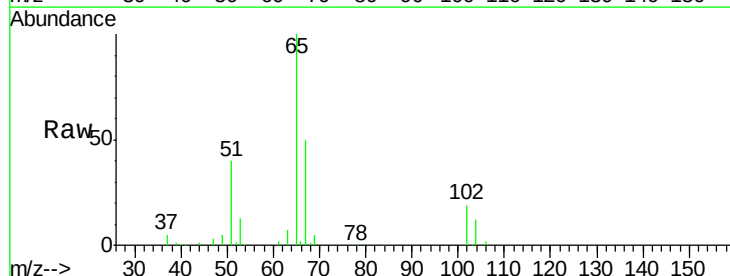


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

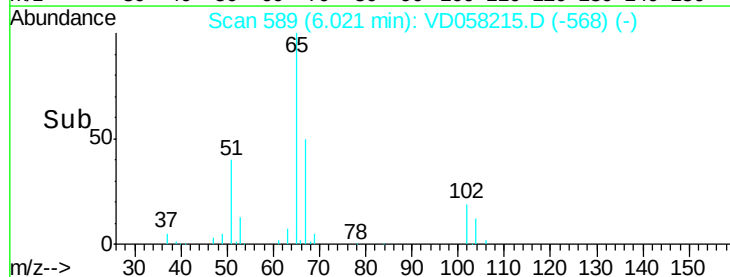
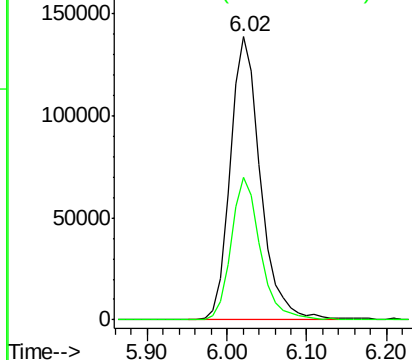


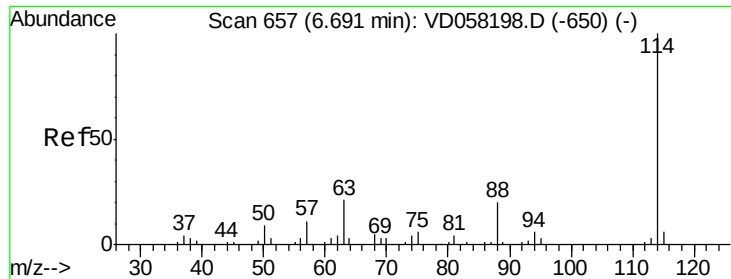
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058215.D
Acq: 20 Jun 2018 17:42

Tgt Ion: 65 Resp: 366099
Ion Ratio Lower Upper
65 100
67 50.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

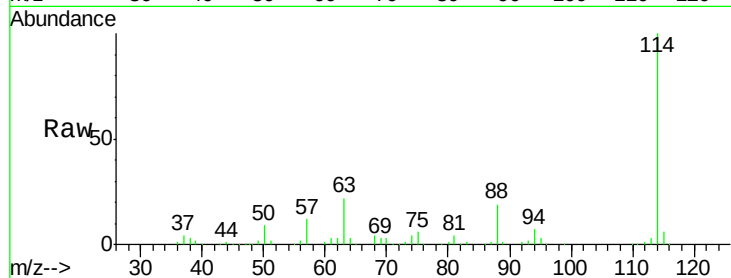




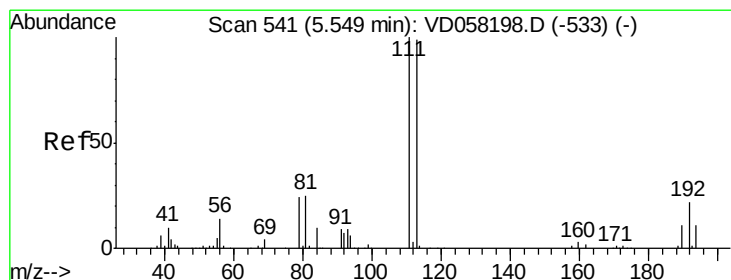
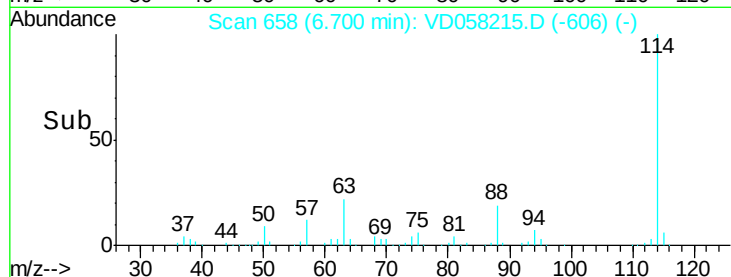
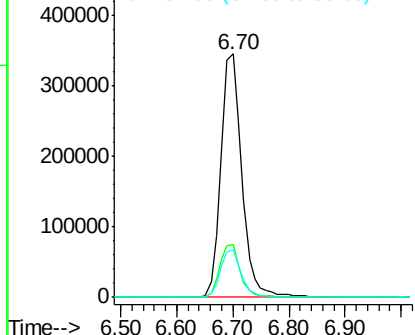
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058215.D
 Acq: 20 Jun 2018 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-2-GRAB

Tot Ion:114 Resp: 902701
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.6
 88 19.4 0.0 40.6

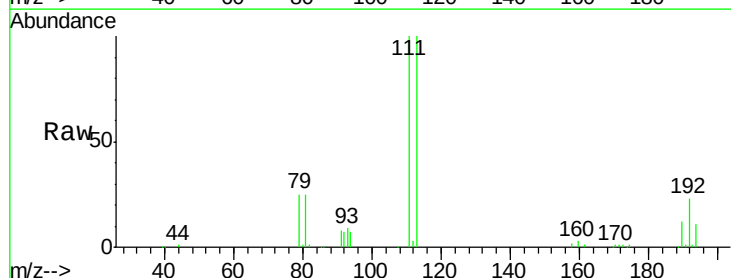


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

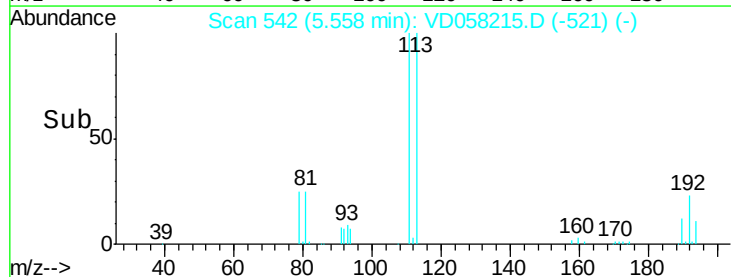
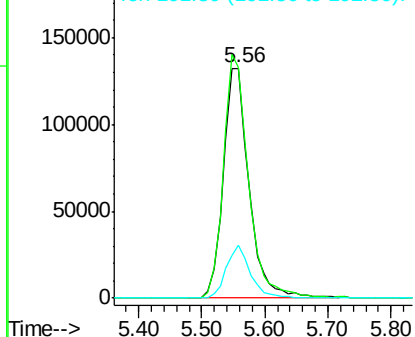


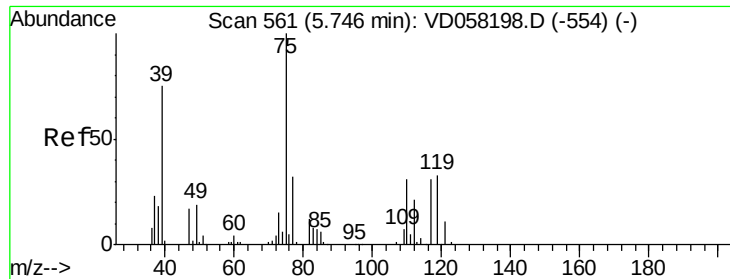
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058215.D
 Acq: 20 Jun 2018 17:42

Tgt Ion:113 Resp: 374897
 Ion Ratio Lower Upper
 113 100
 111 100.4 80.6 121.0
 192 22.8 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: 6.455 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-2-GRAB

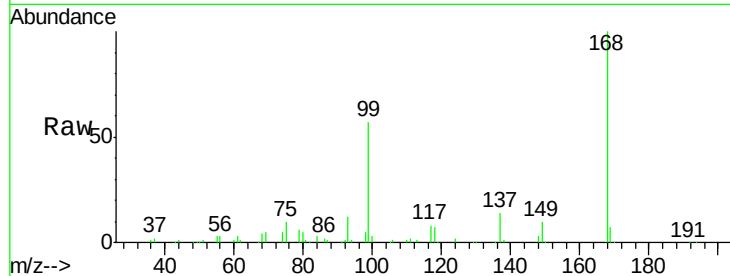
Tot Ion: 75 Resp: 57642

Ion Ratio Lower Upper

75 100

110 5.8 15.4 46.4#

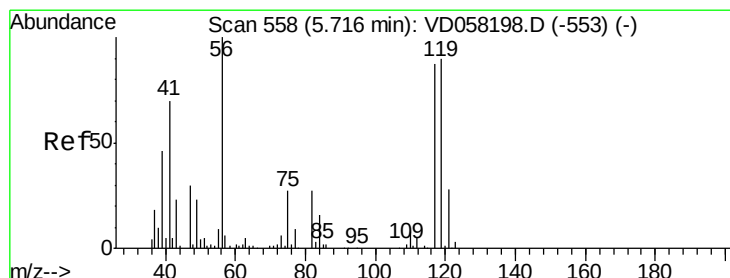
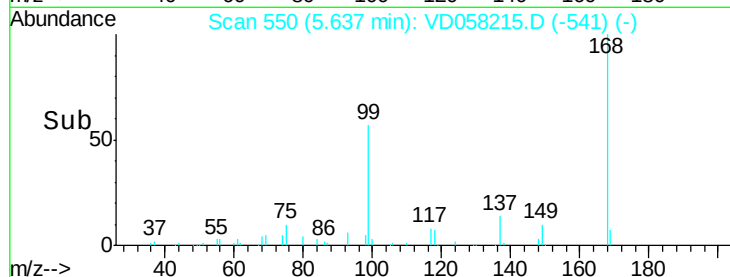
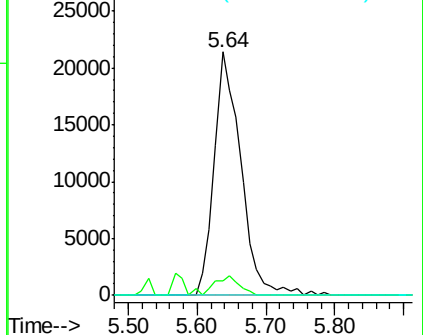
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

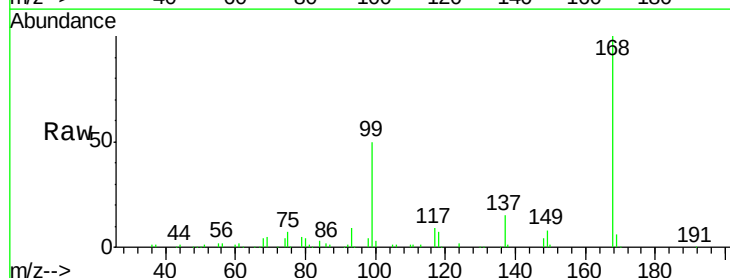
Tgt Ion: 117 Resp: 58028

Ion Ratio Lower Upper

117 100

119 2.9 78.8 118.2#

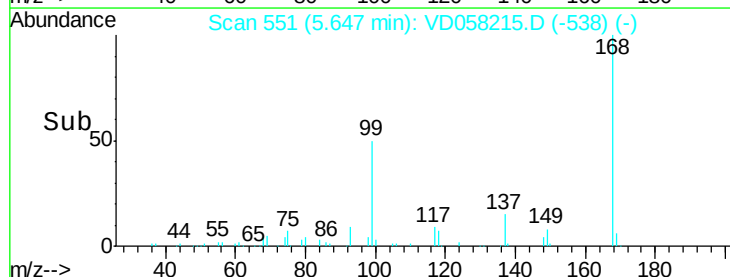
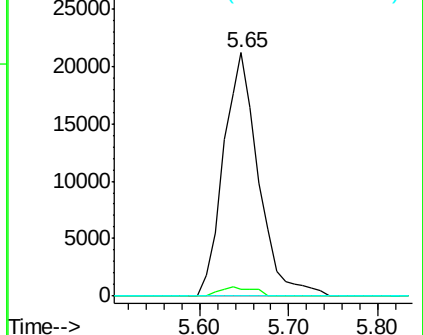
121 0.0 25.0 37.6#

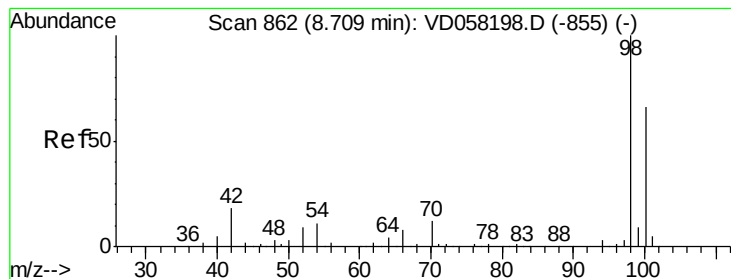


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

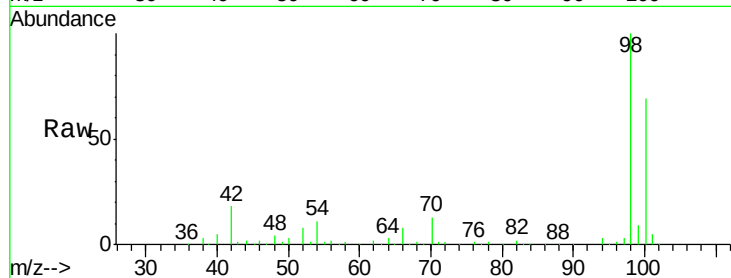
SSP-A-2-GRAB

Tot Ion: 98 Resp: 814330

Ion Ratio Lower Upper

98 100

100 68.6 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

8.72

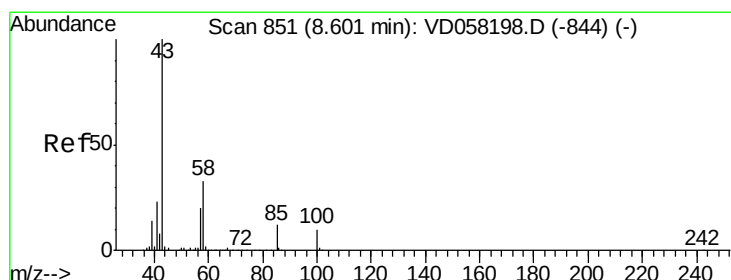
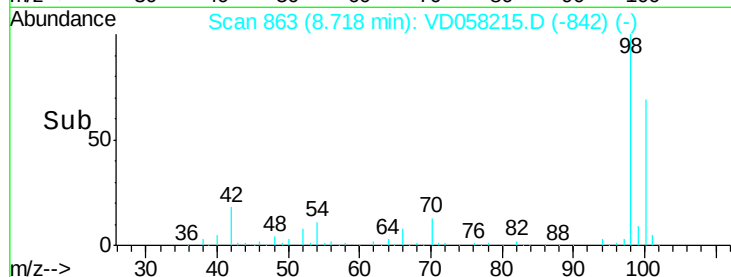
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.091 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058215.D

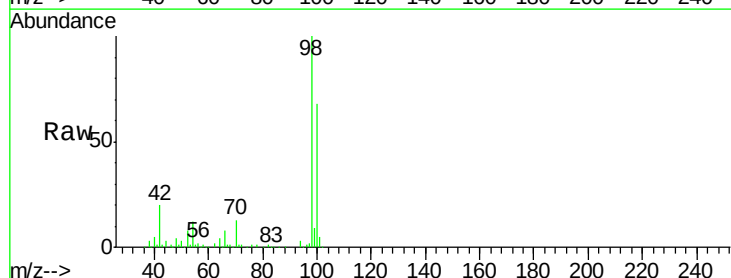
Acq: 20 Jun 2018 17:42

Tgt Ion: 43 Resp: 4827

Ion Ratio Lower Upper

43 100

58 98.9 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 57.95 (57.65 to 58.65): VD0

8.71

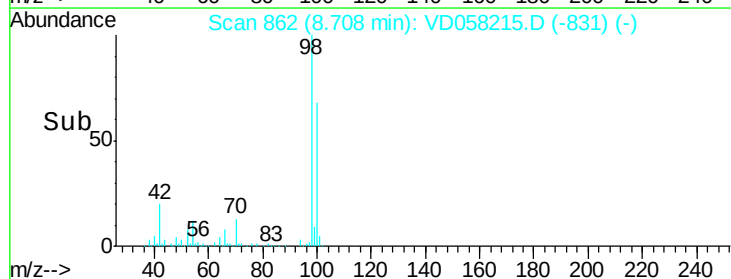
3000

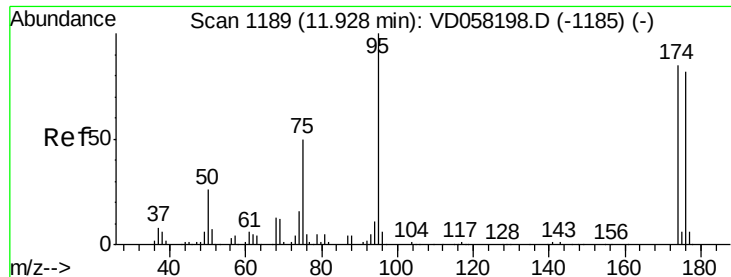
2000

1000

0

Time-->

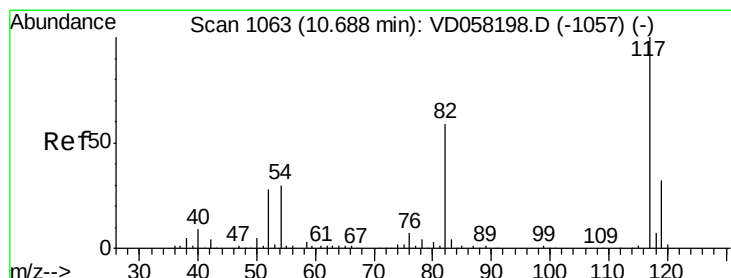
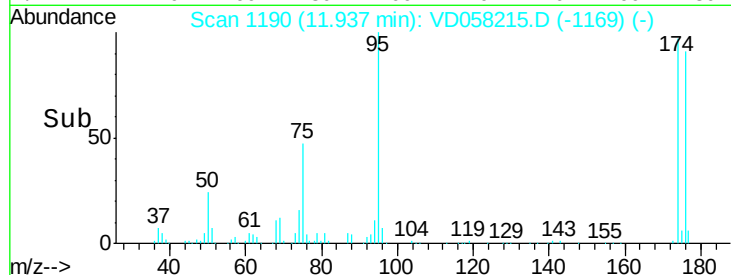
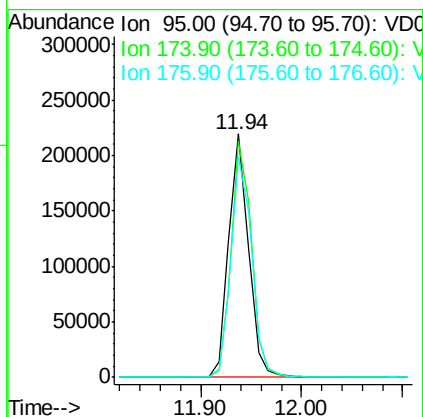
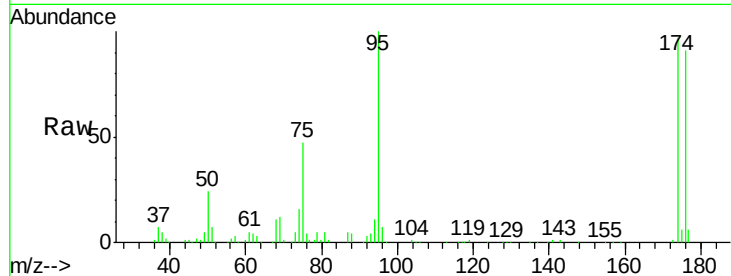




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058215.D
Acq: 20 Jun 2018 17:42

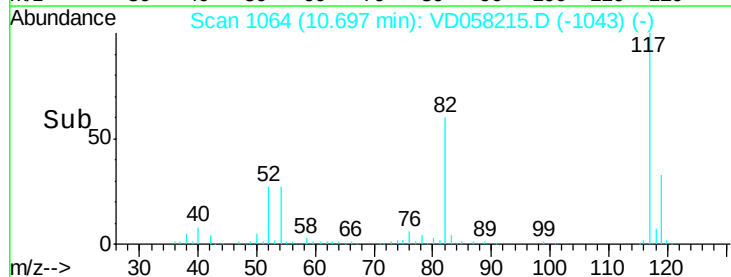
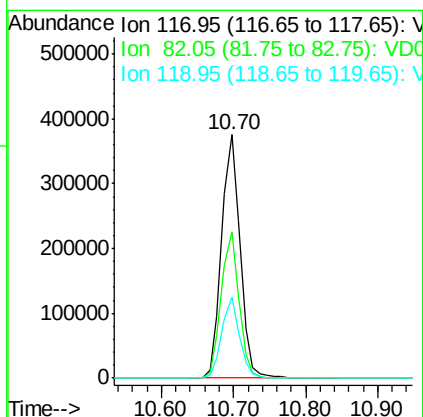
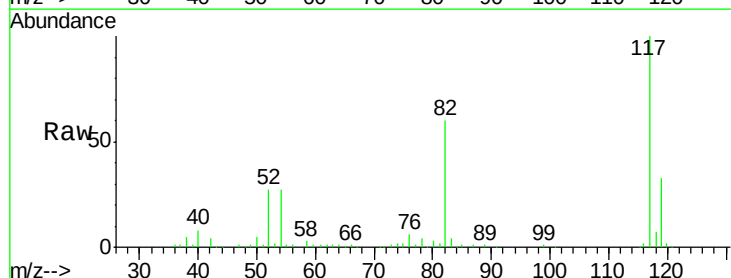
Instrument :
MSVOA_D
ClientSampleId :
SSP-A-2-GRAB

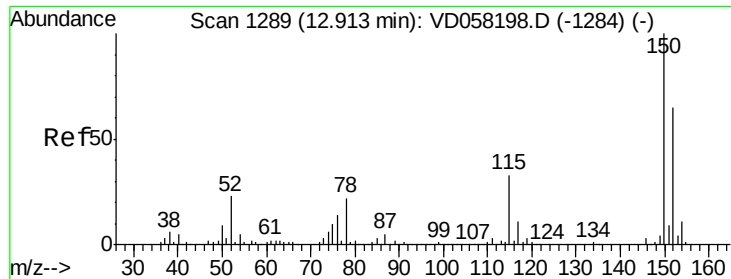
Tot Ion: 95 Resp: 297485
Ion Ratio Lower Upper
95 100
174 96.9 0.0 170.2
176 90.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058215.D
Acq: 20 Jun 2018 17:42

Tgt Ion: 117 Resp: 664280
Ion Ratio Lower Upper
117 100
82 59.9 47.0 70.6
119 33.2 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: VD058215.D

Acq: 20 Jun 2018 17:42

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-2-GRAB

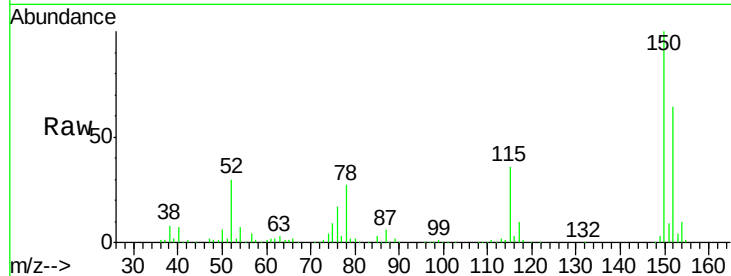
Tot Ion:152 Resp: 283519

Ion Ratio Lower Upper

152 100

115 55.9 25.1 75.3

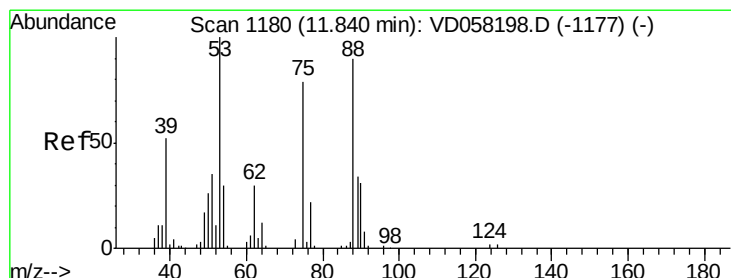
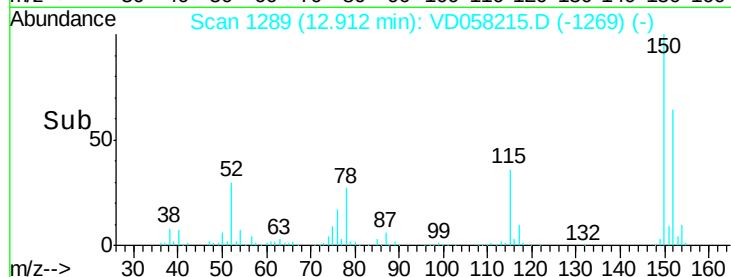
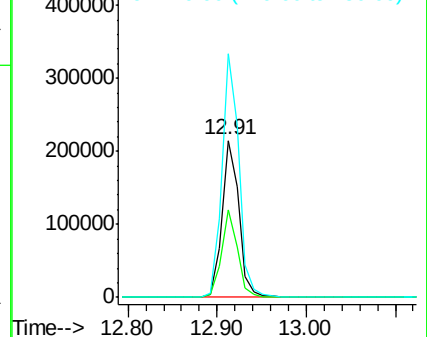
150 155.5 0.0 308.8



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: 138.102 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058215.D

Acq: 20 Jun 2018 17:42

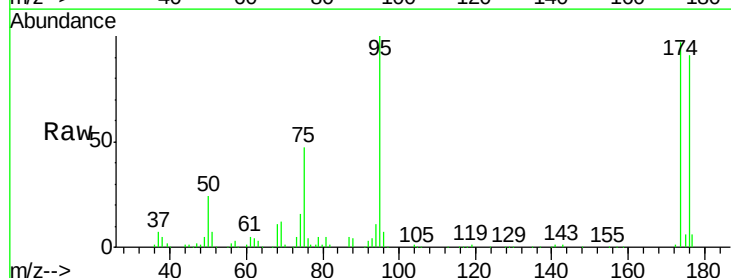
Tgt Ion: 75 Resp: 139426

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

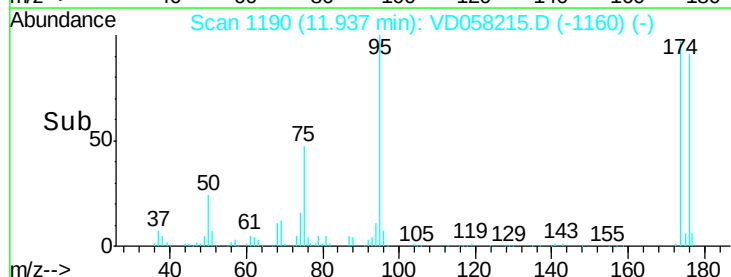
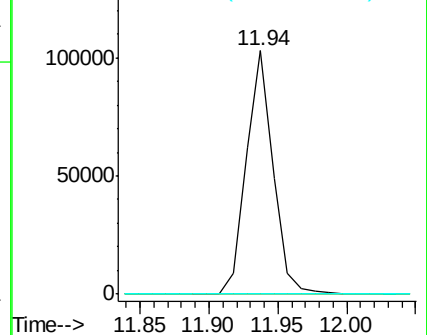
89 0.0 34.6 52.0#

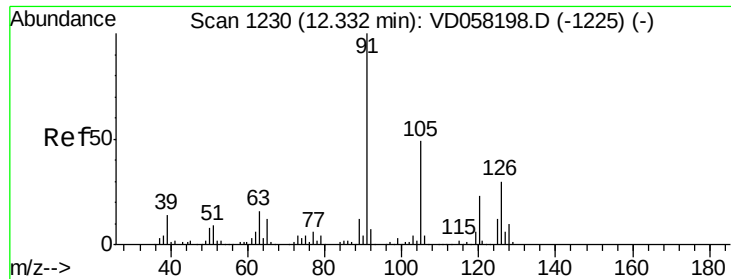


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058215.D
 Acq: 20 Jun 2018 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-2-GRAB

Tot Ion: 91 Resp: 836
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

