

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058219.D
 Acq On : 20 Jun 2018 19:35
 Operator : VA/AP
 Sample : J3582-06
 Misc : 6.78g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 21 01:47:12 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	579746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	756628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	561964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	205049	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	328795	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
35) Dibromofluoromethane	5.55	113	302931	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	713314	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.93	95	248576	40.84	ug/l	0.00
Spiked Amount			Recovery	=	81.68%	

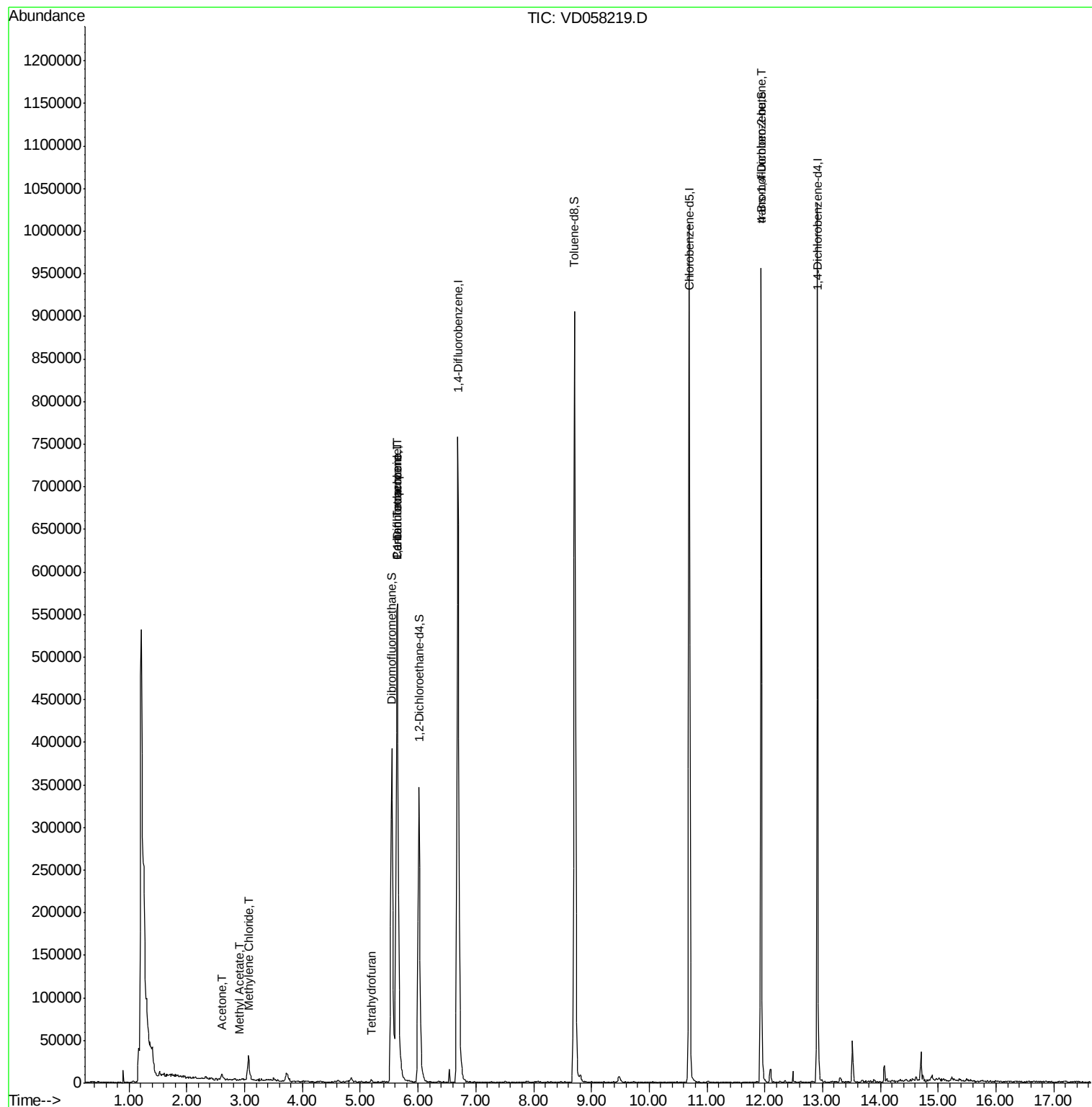
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	471	Below Cal	#	1
3) Chloromethane	1.49	50	178	Below Cal	#	43
5) Bromomethane	1.79	94	200	Below Cal	#	80
16) Acetone	2.61	43	13575	16.951	ug/l	95
18) Methyl Acetate	2.91	43	2272	1.330	ug/l #	65
20) Methylene Chloride	3.05	84	12292	1.232	ug/l	95
29) Tetrahydrofuran	5.20	42	1452	1.563	ug/l #	73
31) Cyclohexane	5.62	56	13234	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	46421	6.202	ug/l #	50
38) Carbon Tetrachloride	5.64	117	49428	6.646	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	118924	162.874	ug/l #	1
82) 4-Chlorotoluene	12.32	91	422	Below Cal	#	45

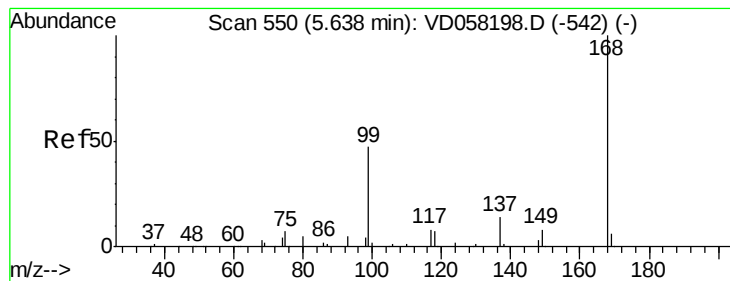
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
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: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

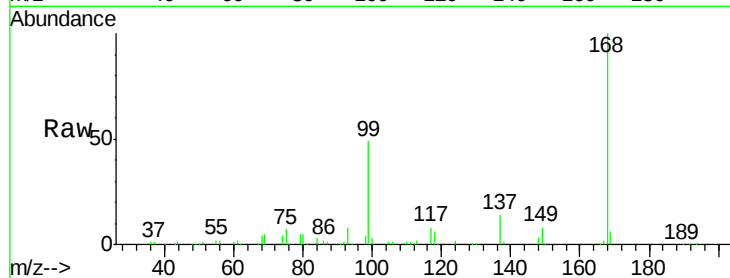
SSP-B-3-GRAB

Tot Ion:168 Resp: 579746

Ion Ratio Lower Upper

168 100

99 48.6 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

200000

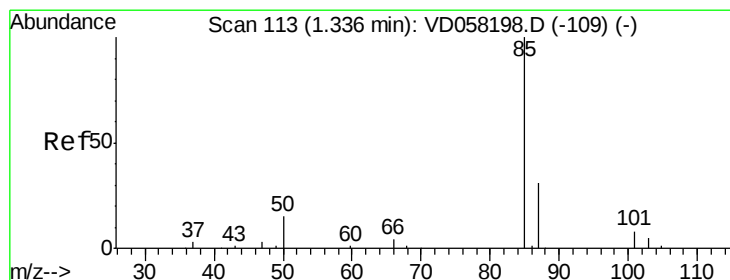
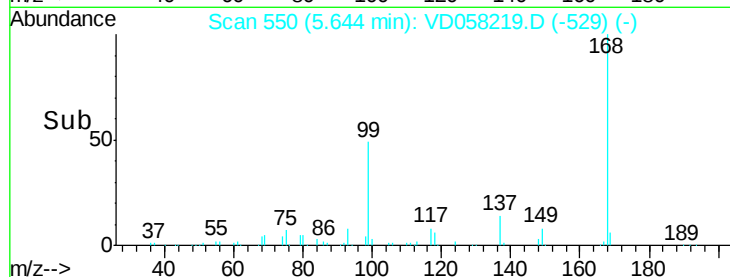
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058219.D

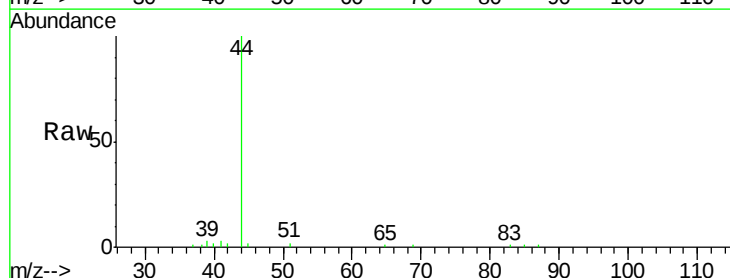
Acq: 20 Jun 2018 19:35

Tgt Ion: 85 Resp: 471

Ion Ratio Lower Upper

85 100

87 99.5 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

500

400

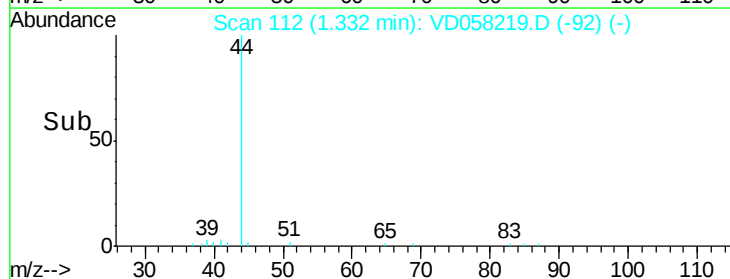
300

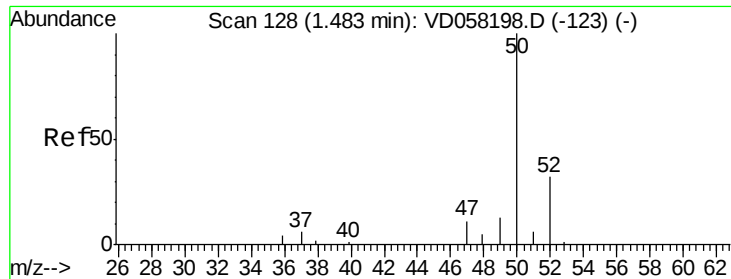
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

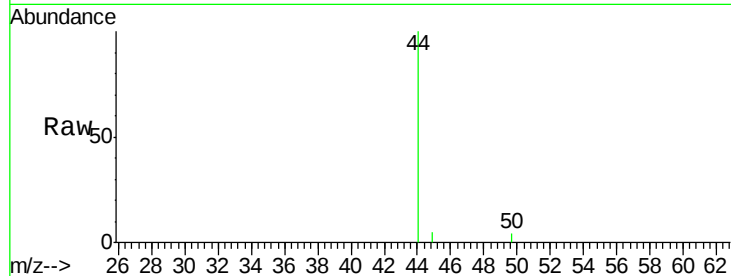
SSP-B-3-GRAB

Tot Ion: 50 Resp: 178

Ion Ratio Lower Upper

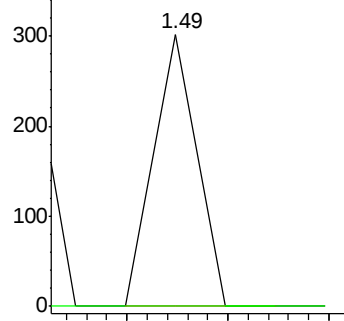
50 100

52 0.0 25.0 37.4#

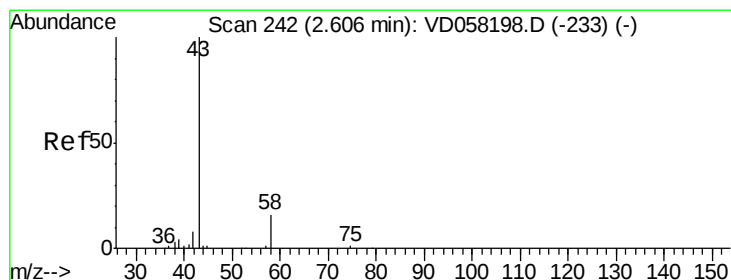
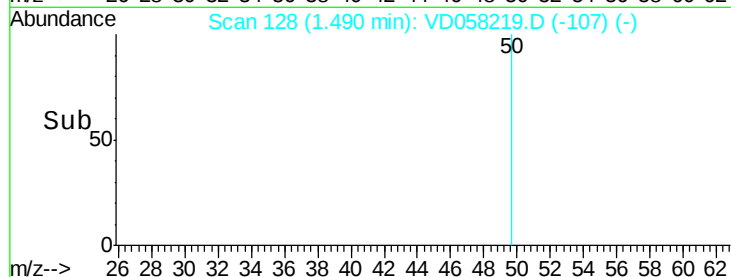


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#16

Acetone

Concen: 16.951 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058219.D

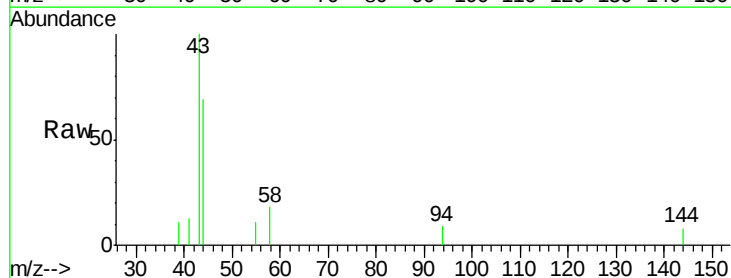
Acq: 20 Jun 2018 19:35

Tgt Ion: 43 Resp: 13575

Ion Ratio Lower Upper

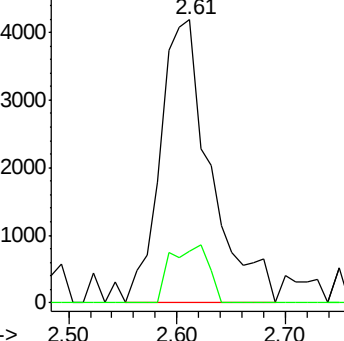
43 100

58 18.1 12.7 19.1

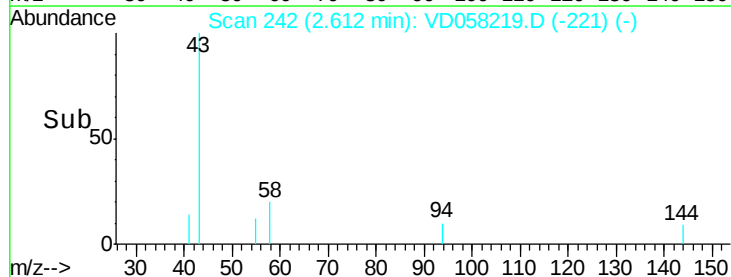


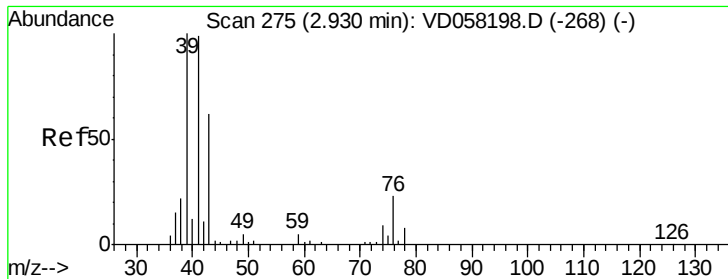
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

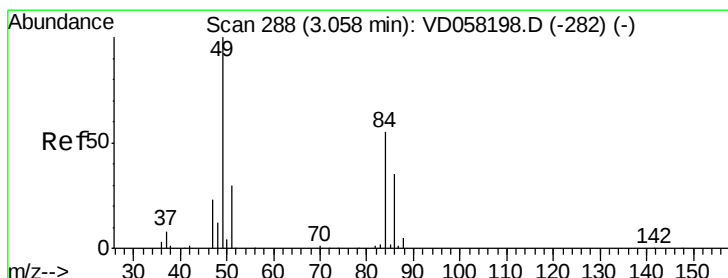
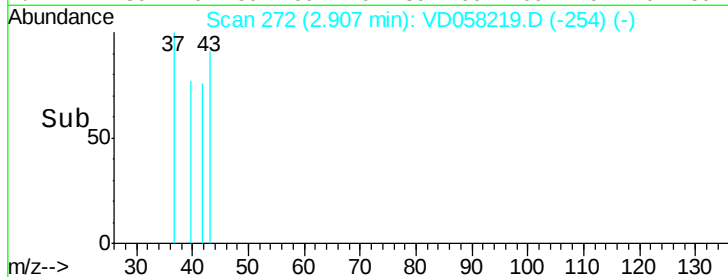
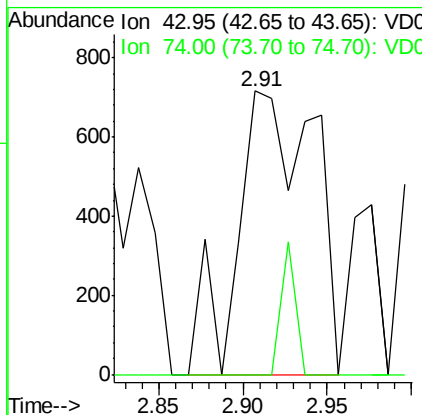
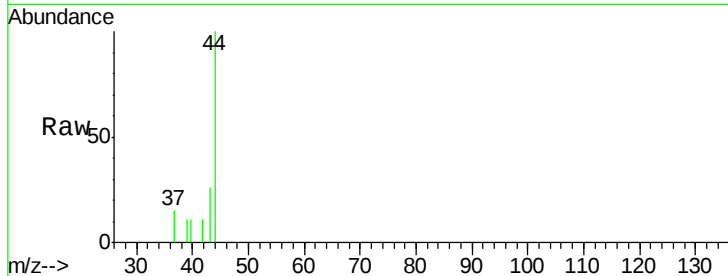




#18
Methyl Acetate
Concen: 1.330 ug/l
RT: 2.91 min Scan# 272
Delta R.T. -0.02 min
Lab File: VD058219.D
Acq: 20 Jun 2018 19:35

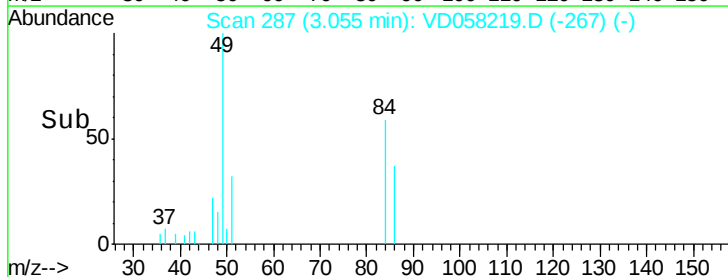
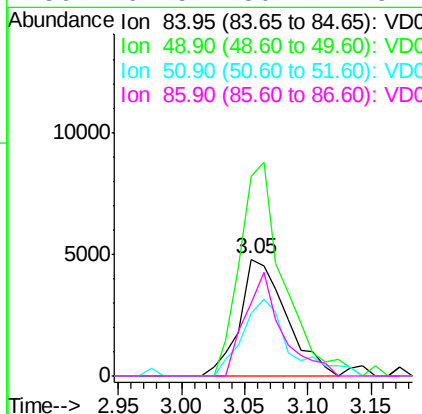
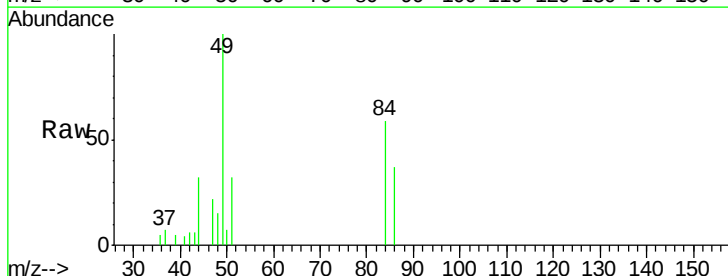
Instrument :
MSVOA_D
ClientSampleId :
SSP-B-3-GRAB

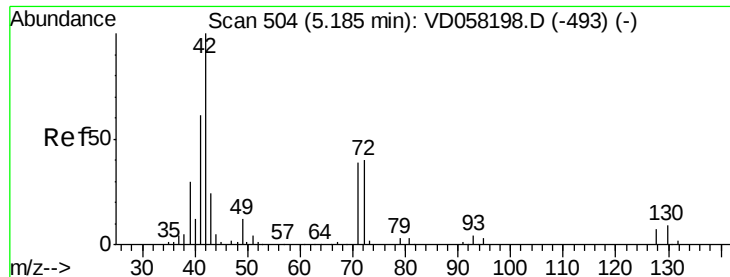
Tot Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 1.232 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD058219.D
Acq: 20 Jun 2018 19:35

Tgt Ion: 84 Resp: 12292
Ion Ratio Lower Upper
84 100
49 170.1 145.0 217.6
51 54.0 42.9 64.3
86 62.5 50.1 75.1





#29

Tetrahydrofuran

Concen: 1.563 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.02 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-3-GRAB

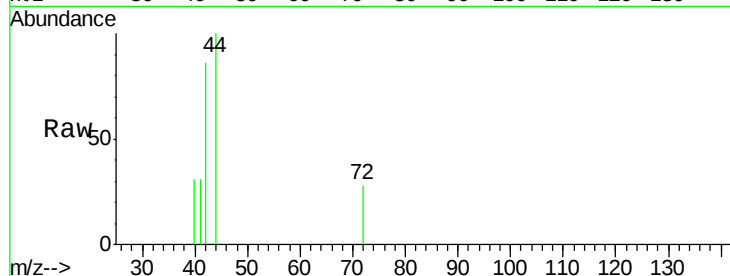
Tot Ion: 42 Resp: 1452

Ion Ratio Lower Upper

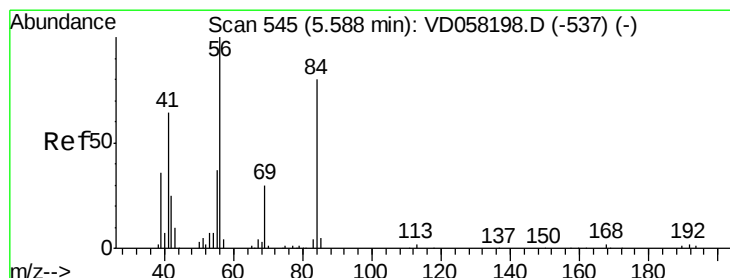
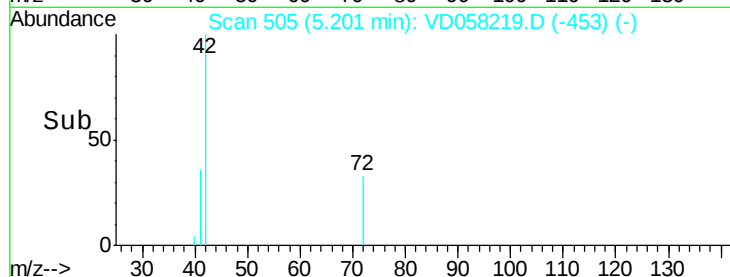
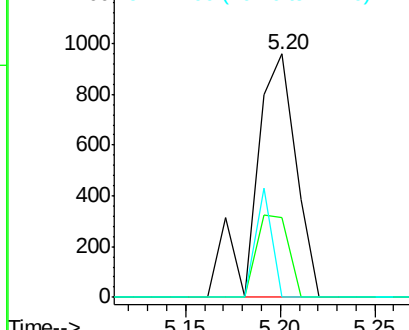
42 100

72 26.0 30.2 45.2#

71 17.4 30.1 45.1#



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: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.04 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

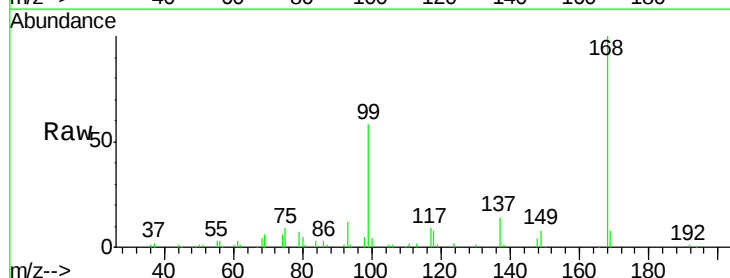
Tgt Ion: 56 Resp: 13234

Ion Ratio Lower Upper

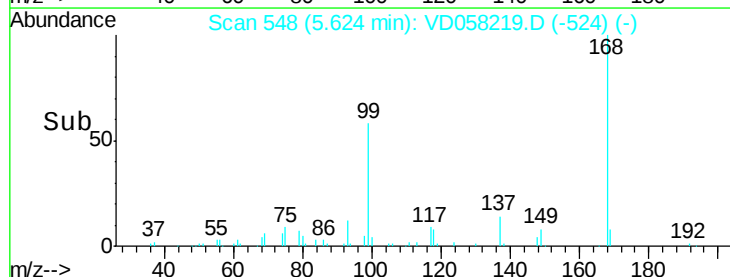
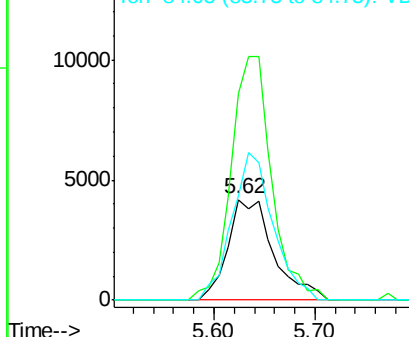
56 100

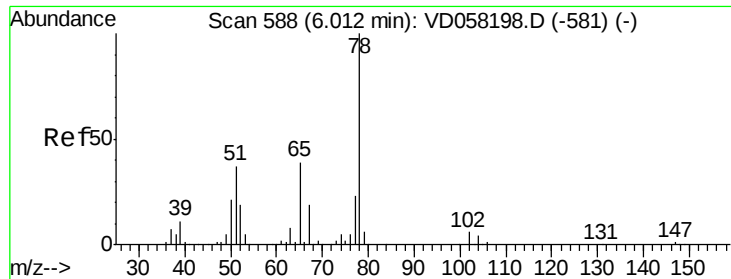
69 205.1 23.6 35.4#

84 103.4 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

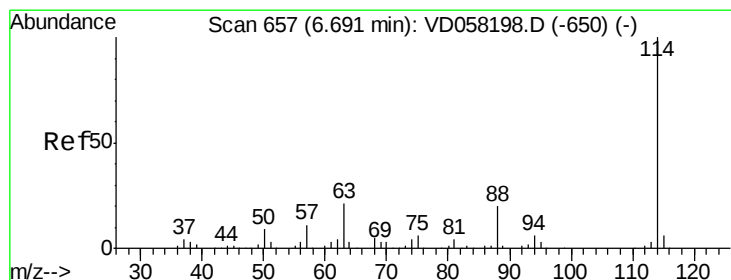
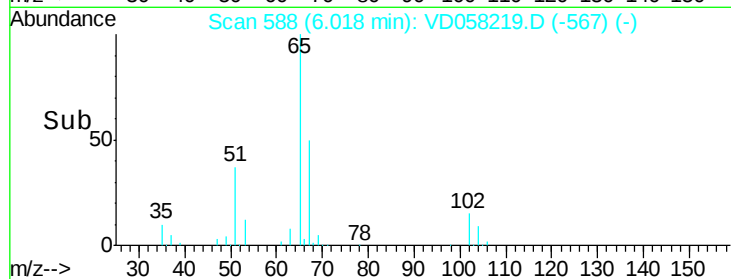
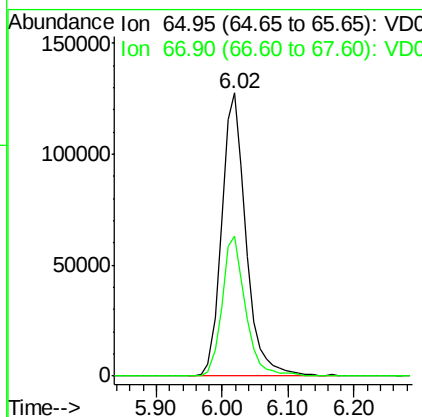
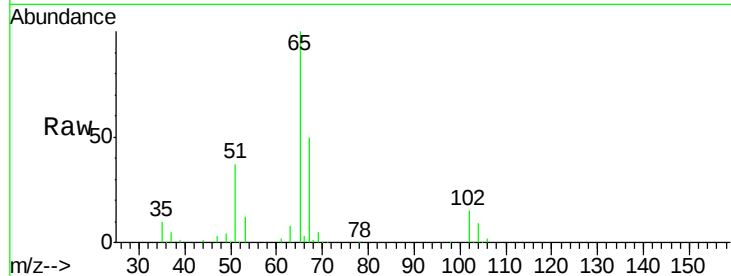




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058219.D
 Acq: 20 Jun 2018 19:35

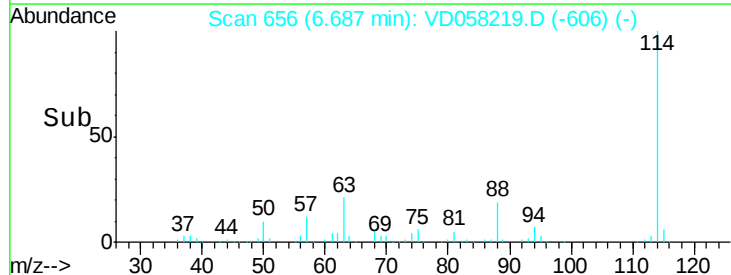
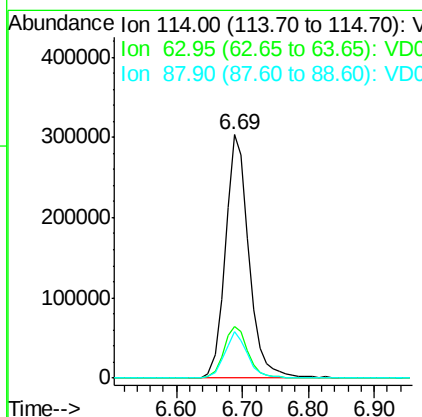
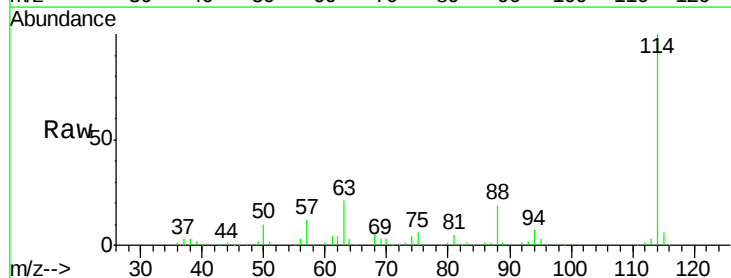
Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-B-3-GRAB

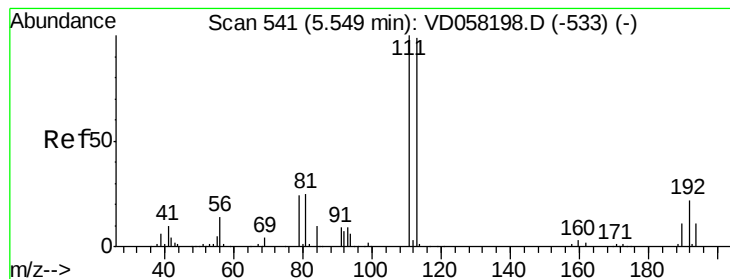
Tot Ion: 65 Resp: 328795
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058219.D
 Acq: 20 Jun 2018 19:35

Tgt Ion: 114 Resp: 756628
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 18.9 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-3-GRAB

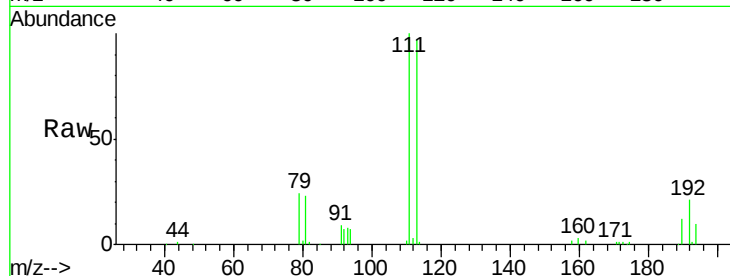
Tot Ion:113 Resp: 302931

Ion Ratio Lower Upper

113 100

111 103.4 80.6 121.0

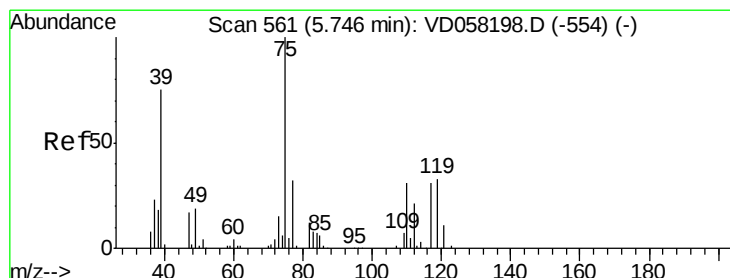
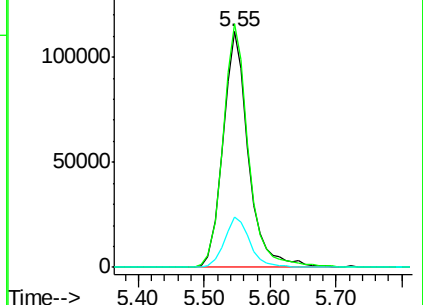
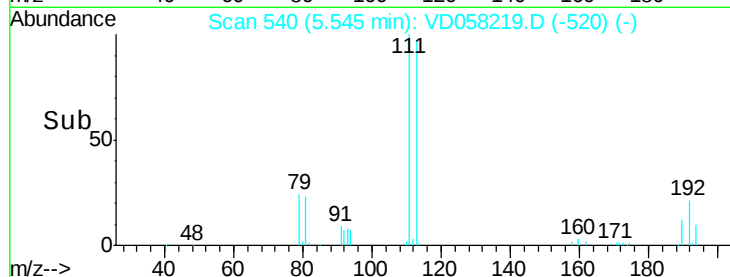
192 21.4 17.8 26.6



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: 6.202 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

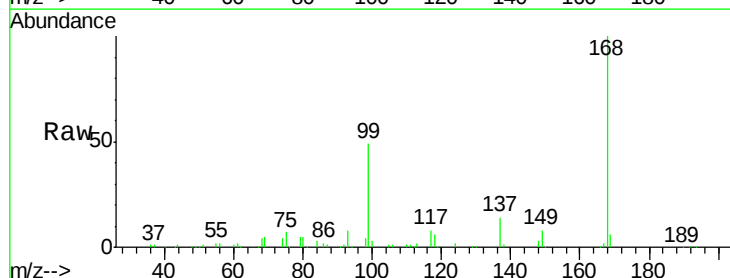
Tgt Ion: 75 Resp: 46421

Ion Ratio Lower Upper

75 100

110 7.8 15.4 46.4#

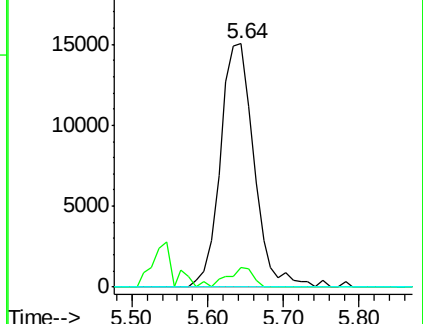
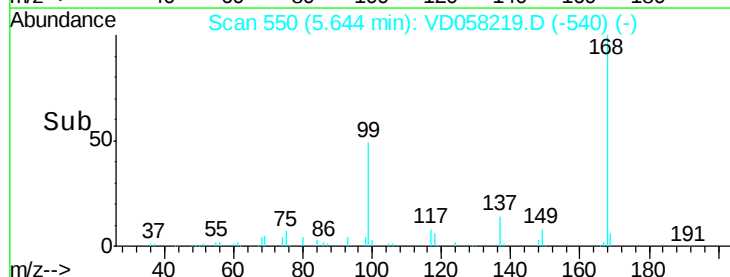
77 0.0 25.4 38.2#

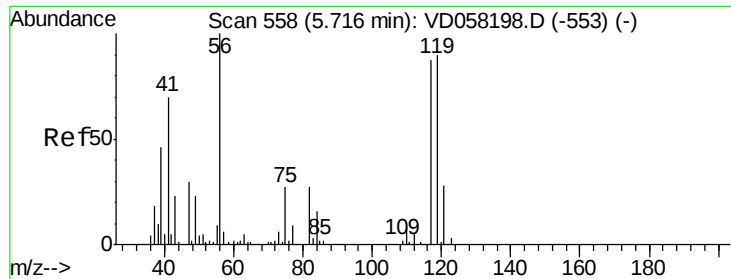


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-3-GRAB

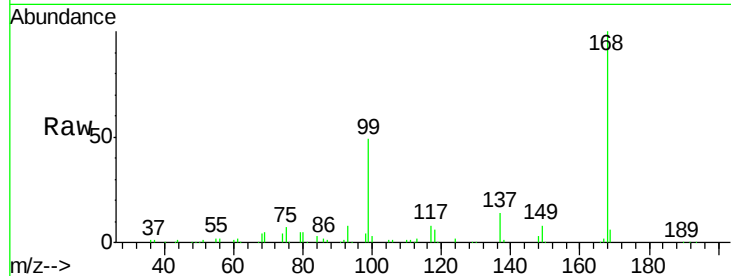
Tot Ion:117 Resp: 49428

Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

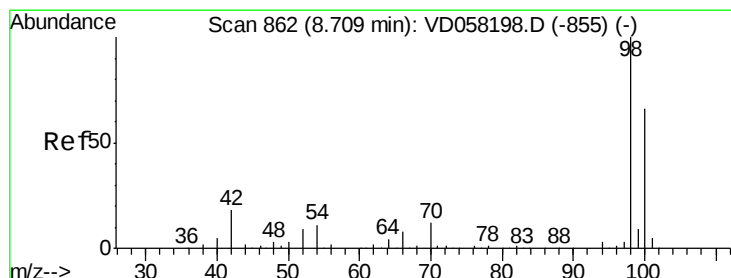
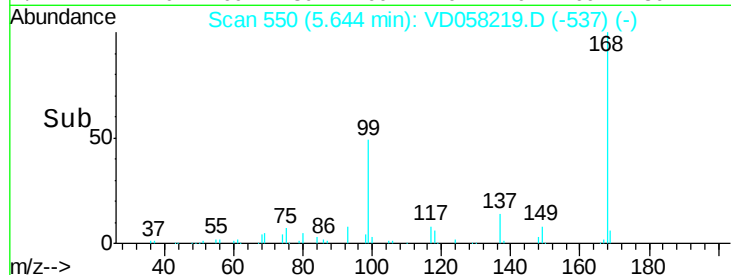
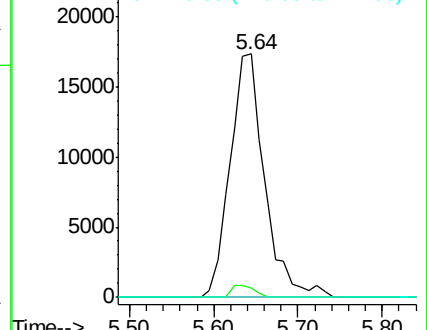
121 0.0 25.0 37.6#



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# 861

Delta R.T. -0.00 min

Lab File: VD058219.D

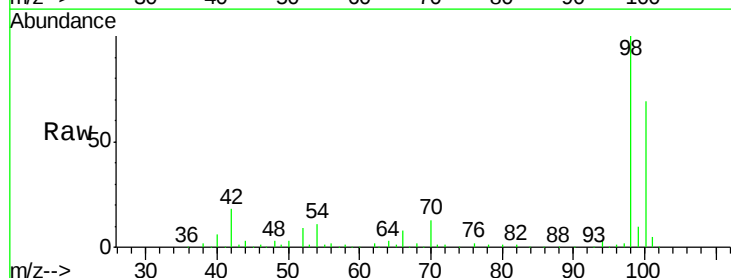
Acq: 20 Jun 2018 19:35

Tgt Ion: 98 Resp: 713314

Ion Ratio Lower Upper

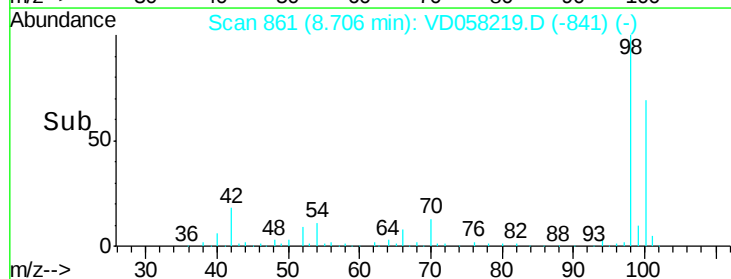
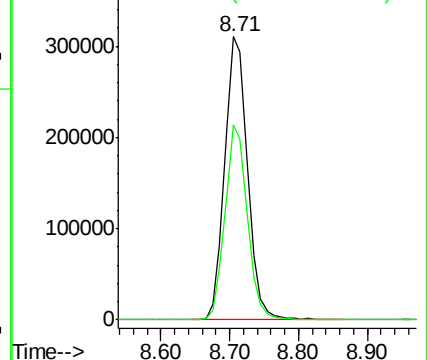
98 100

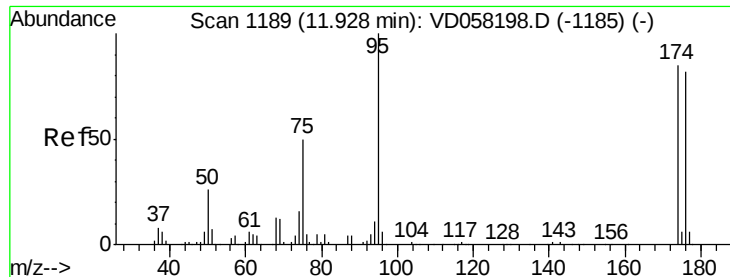
100 68.9 53.6 80.4



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. 0.01 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-3-GRAB

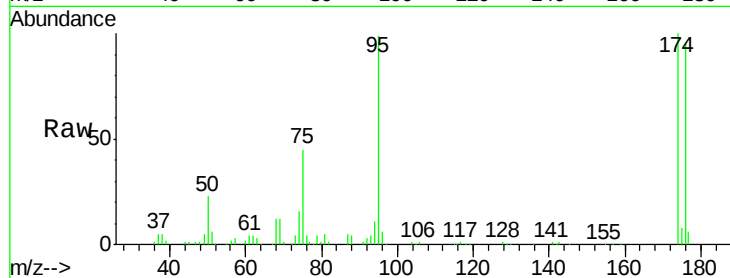
Tot Ion: 95 Resp: 248576

Ion Ratio Lower Upper

95 100

174 100.9 0.0 170.2

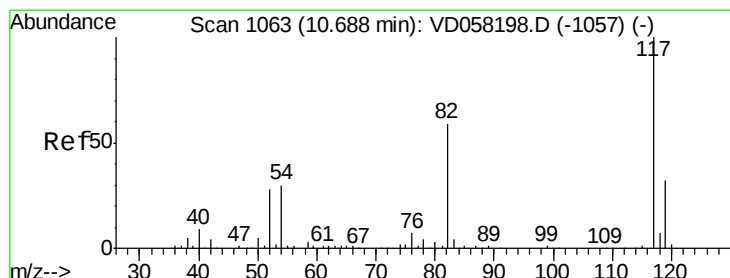
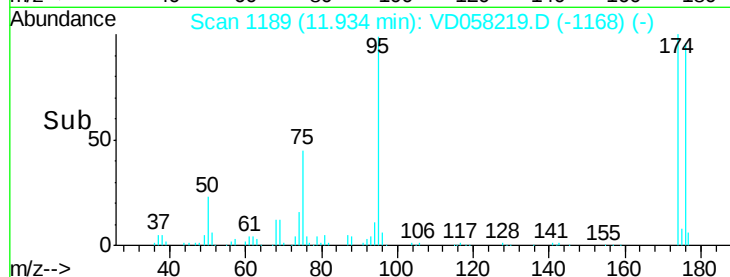
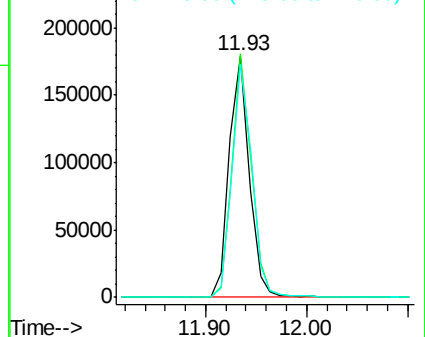
176 96.7 0.0 164.6



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. 0.01 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

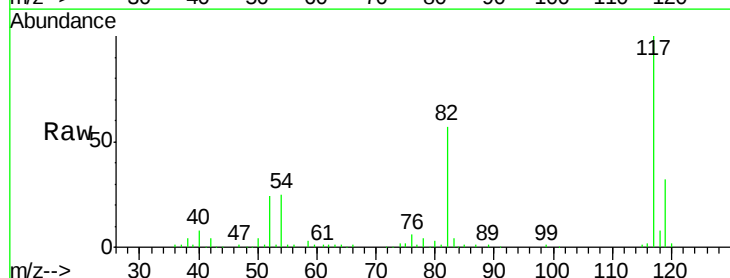
Tgt Ion: 117 Resp: 561964

Ion Ratio Lower Upper

117 100

82 56.9 47.0 70.6

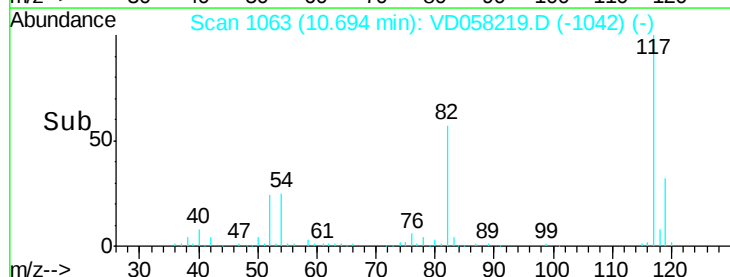
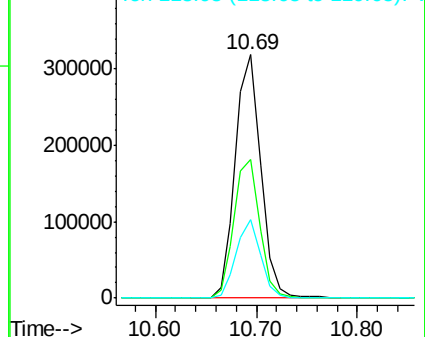
119 32.0 25.3 37.9

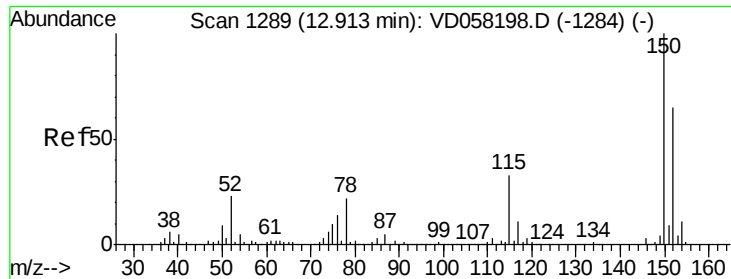


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-B-3-GRAB

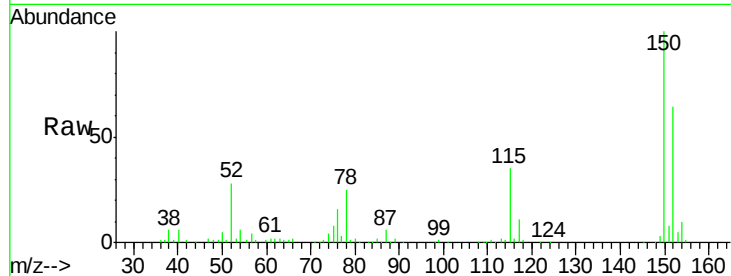
Tot Ion:152 Resp: 205049

Ion Ratio Lower Upper

152 100

115 53.7 25.1 75.3

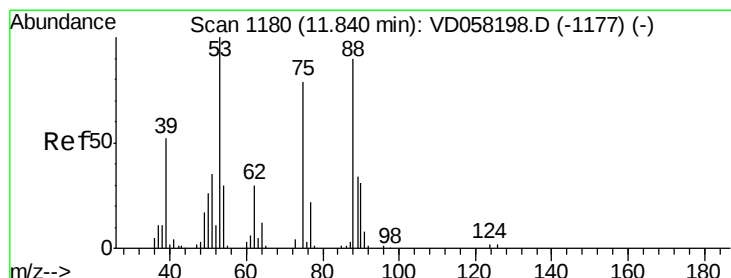
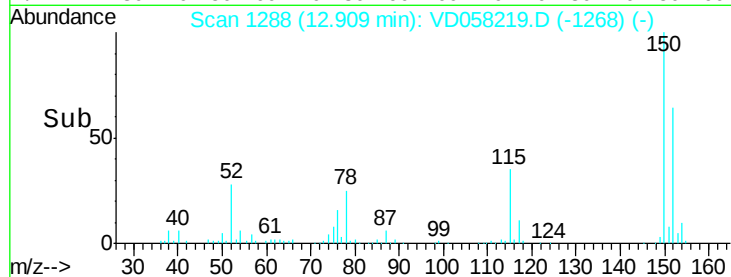
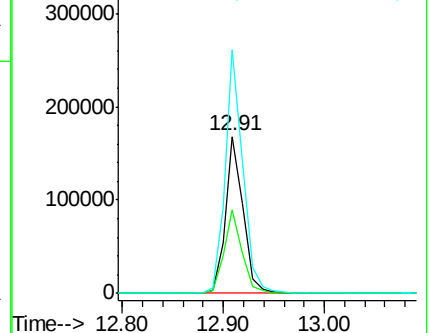
150 155.3 0.0 308.8



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: 162.874 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058219.D

Acq: 20 Jun 2018 19:35

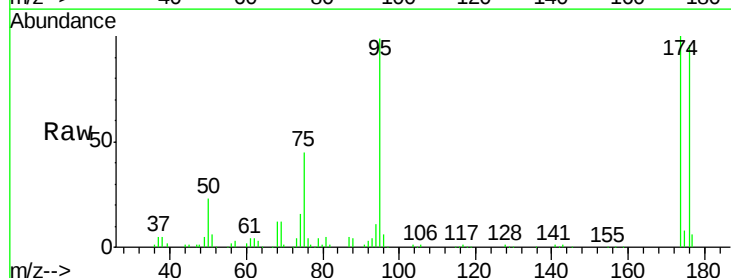
Tgt Ion: 75 Resp: 118924

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

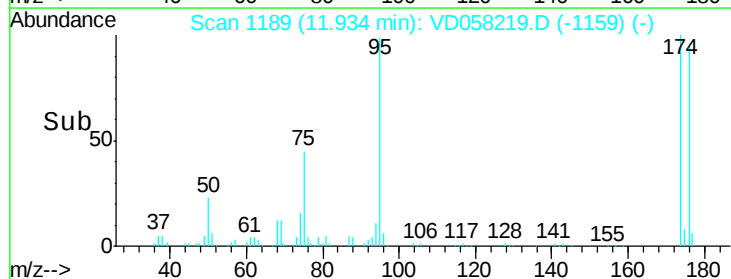
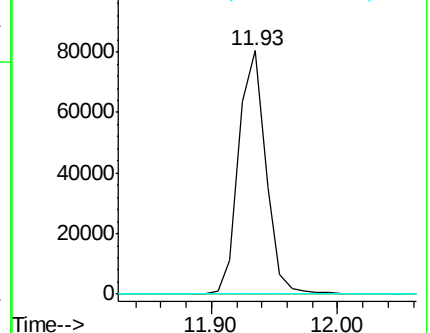
89 0.0 34.6 52.0#

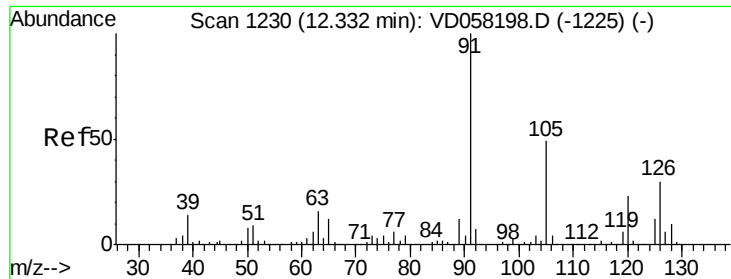


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058219.D
 Acq: 20 Jun 2018 19:35

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

Tot Ion: 91 Resp: 422
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

