

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058330.D
 Acq On : 23 Jun 2018 8:58
 Operator : VA/AP
 Sample : J3582-08RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRABRE

Quant Time: Jun 25 00:56:11 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	5.67	168	499519	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	858698	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	690017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	280615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	354174	70.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	140.40%	
35) Dibromofluoromethane	5.57	113	379010	54.23	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.46%	
50) Toluene-d8	8.72	98	711295	42.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.14%	
62) 4-Bromofluorobenzene	11.94	95	278667	40.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.68%	

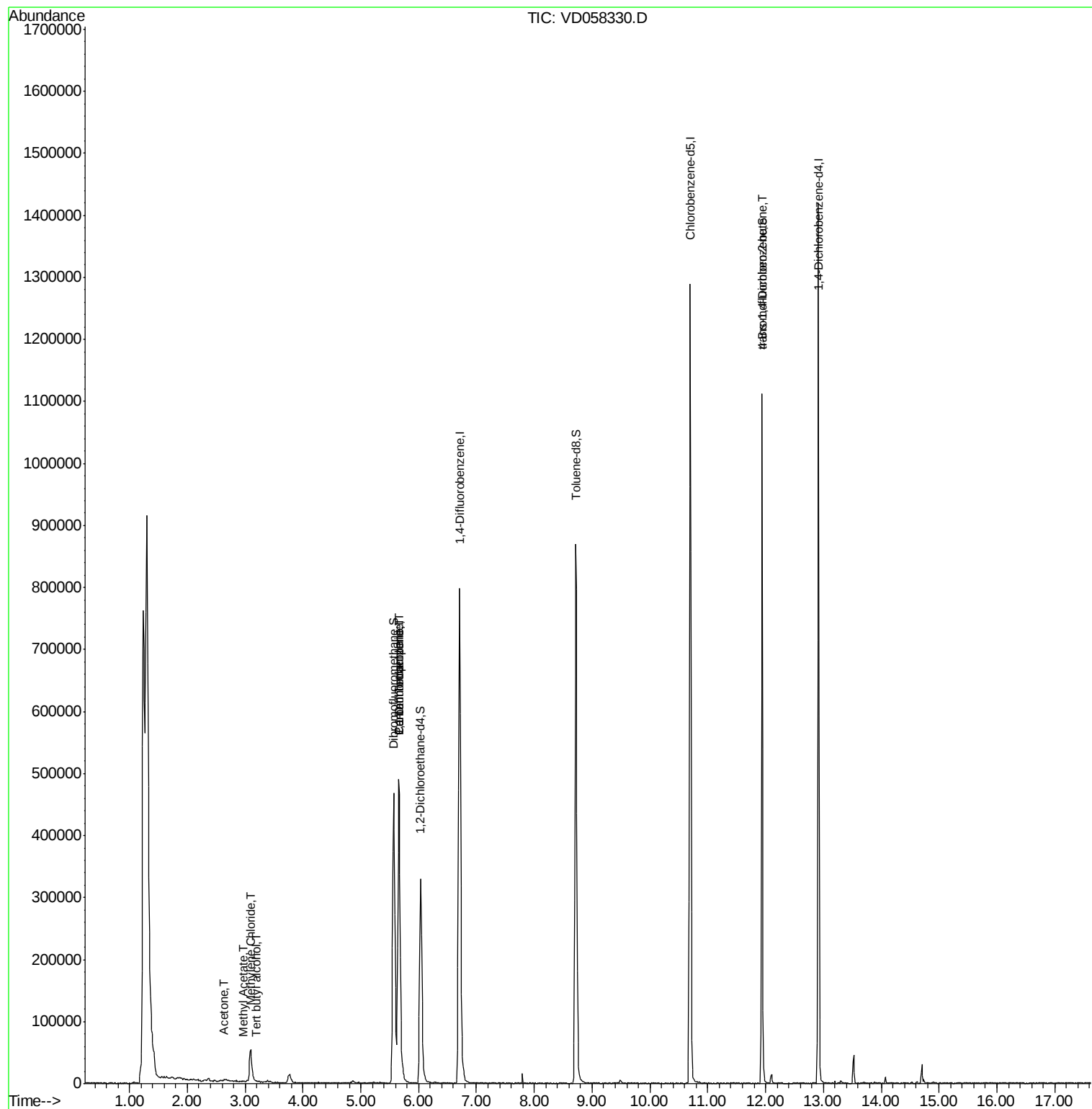
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	253	Below Cal	#	43
3) Chloromethane	1.55	50	215	Below Cal	#	43
11) Tert butyl alcohol	3.21	59	201	1.208	ug/l #	78
16) Acetone	2.62	43	4266	6.182	ug/l #	62
18) Methyl Acetate	2.97	43	2223	1.511	ug/l #	65
20) Methylene Chloride	3.10	84	27802	11.793	ug/l #	84
31) Cyclohexane	5.66	56	12197	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	44177	5.201	ug/l #	47
38) Carbon Tetrachloride	5.66	117	42135	4.992	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.94	75	136806	136.910	ug/l #	1
82) 4-Chlorotoluene	12.22	91	189	Below Cal	#	45

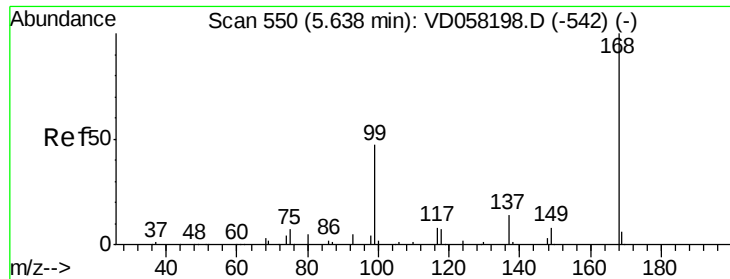
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Time: Jun 25 00:56:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
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: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

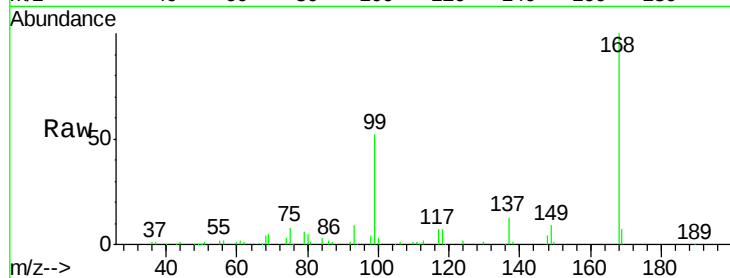
SSP-C-2-GRABRE

Tot Ion:168 Resp: 499519

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.67

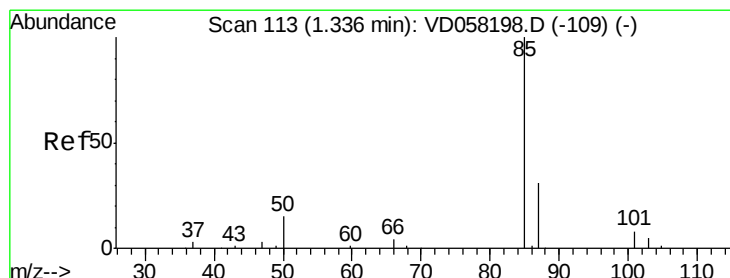
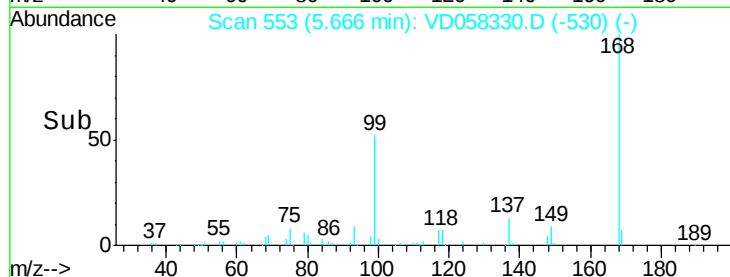
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD058330.D

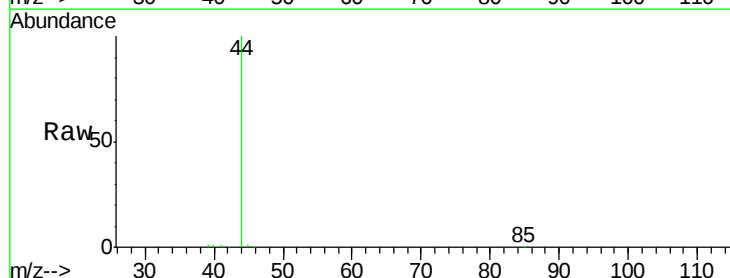
Acq: 23 Jun 2018 8:58

Tgt Ion: 85 Resp: 253

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

1.36

500

400

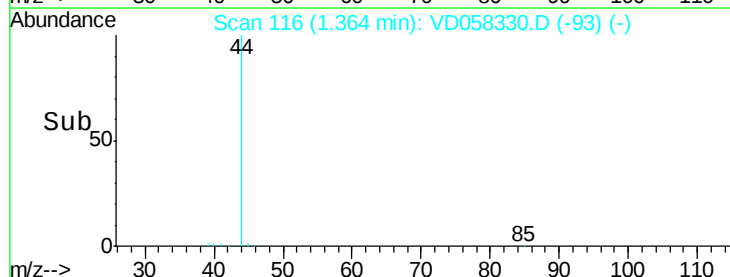
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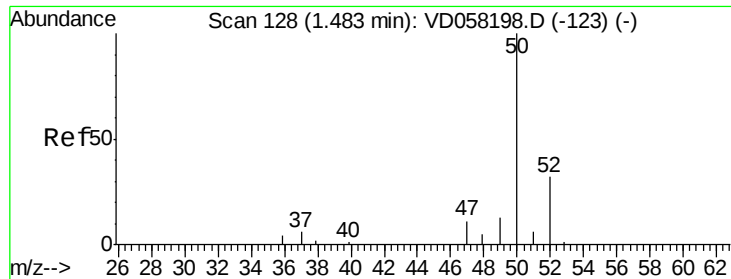
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.55 min Scan# 135

Delta R.T. 0.07 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

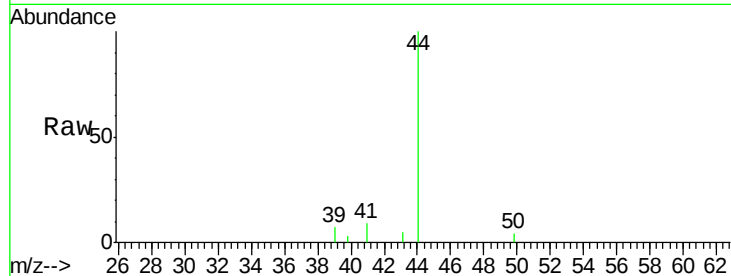
SSP-C-2-GRABRE

Tot Ion: 50 Resp: 215

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

1.55

400

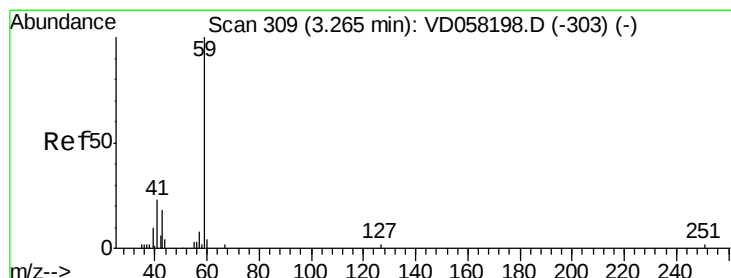
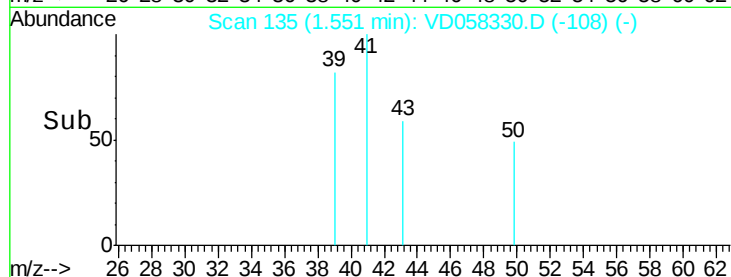
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 1.208 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.06 min

Lab File: VD058330.D

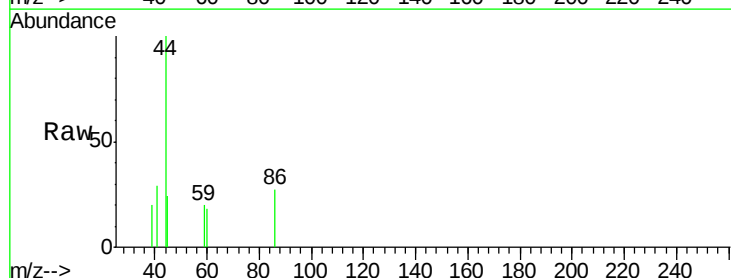
Acq: 23 Jun 2018 8:58

Tgt Ion: 59 Resp: 201

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

400

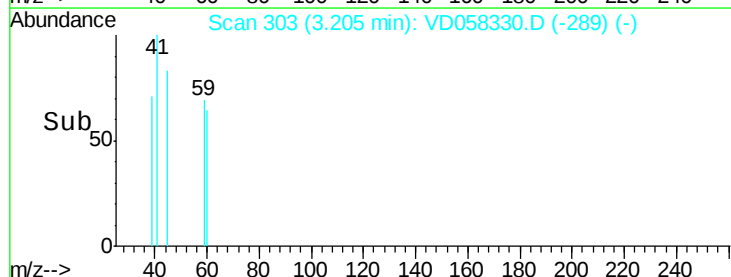
300

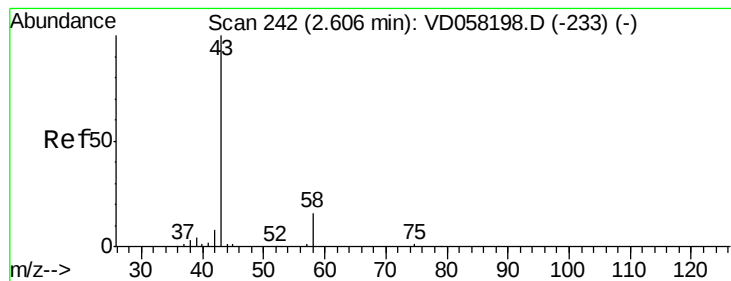
200

100

0

Time-->





#16

Acetone

Concen: 6.182 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

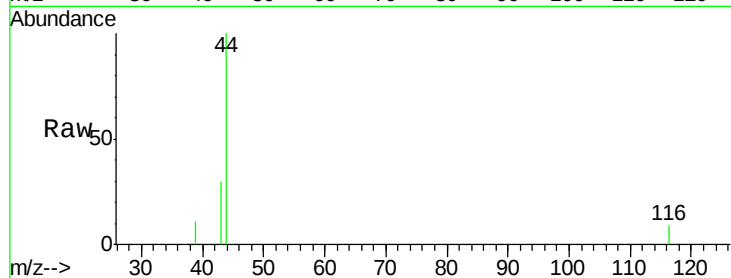
SSP-C-2-GRABRE

Tot Ion: 43 Resp: 4266

Ion Ratio Lower Upper

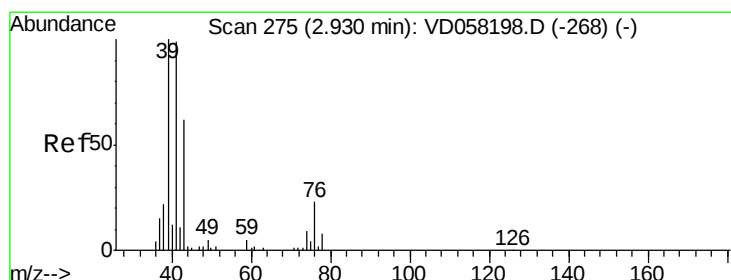
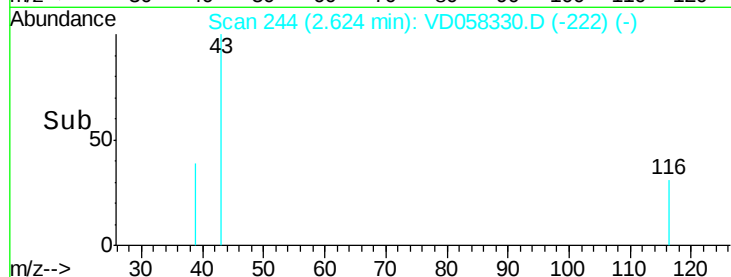
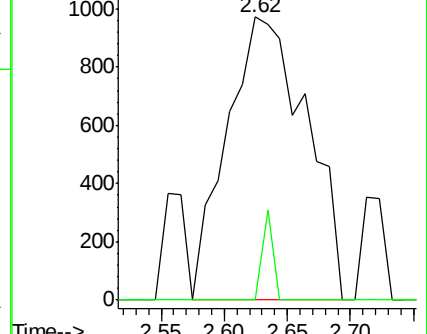
43 100

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



#18

Methyl Acetate

Concen: 1.511 ug/l

RT: 2.97 min Scan# 279

Delta R.T. 0.04 min

Lab File: VD058330.D

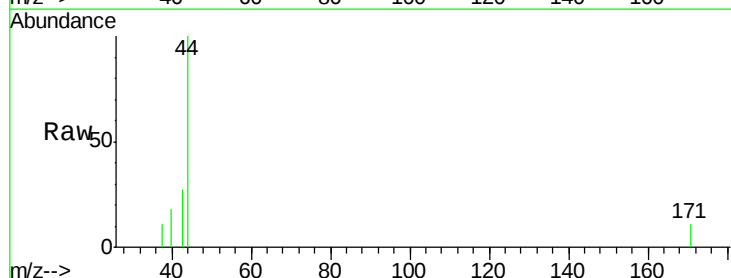
Acq: 23 Jun 2018 8:58

Tgt Ion: 43 Resp: 2223

Ion Ratio Lower Upper

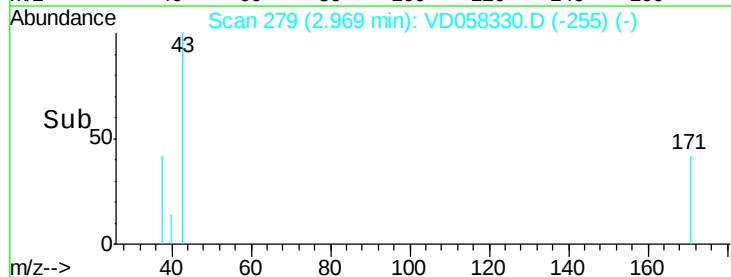
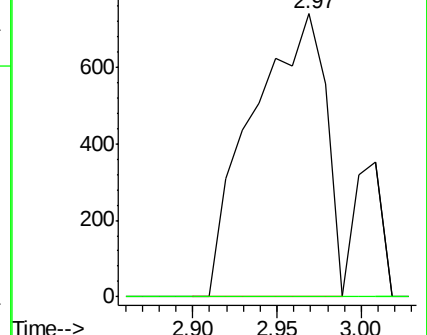
43 100

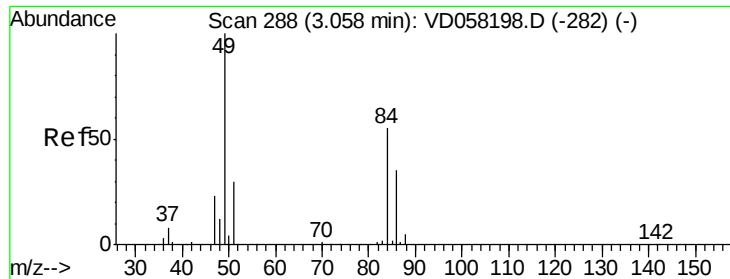
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 11.793 ug/l

RT: 3.10 min Scan# 292

Delta R.T. 0.04 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRABRE

Tot Ion: 84 Resp: 27802

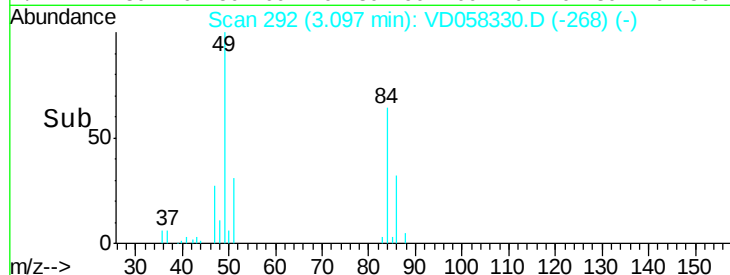
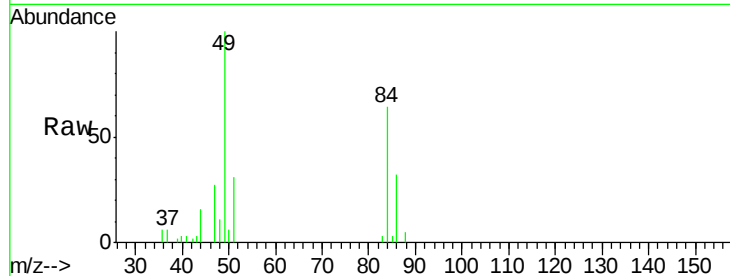
Ion Ratio Lower Upper

84 100

49 155.5 145.0 217.6

51 48.6 42.9 64.3

86 49.7 50.1 75.1#

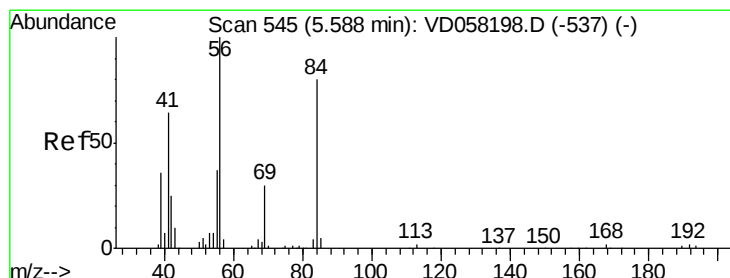
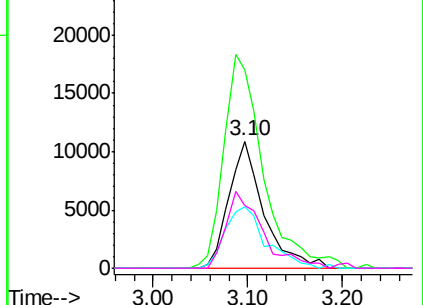


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.66 min Scan# 552

Delta R.T. 0.07 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

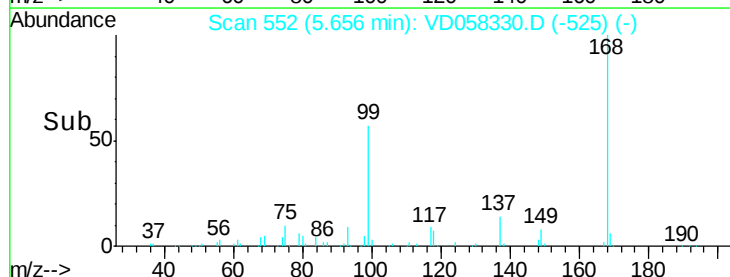
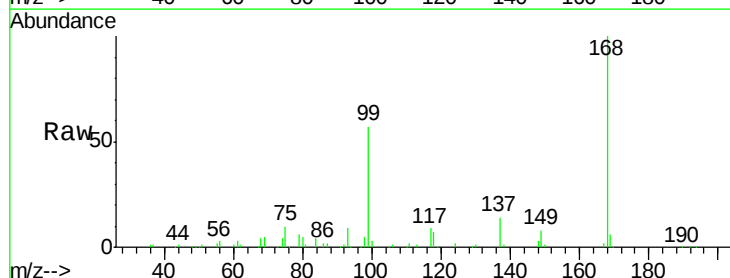
Tgt Ion: 56 Resp: 12197

Ion Ratio Lower Upper

56 100

69 182.6 23.6 35.4#

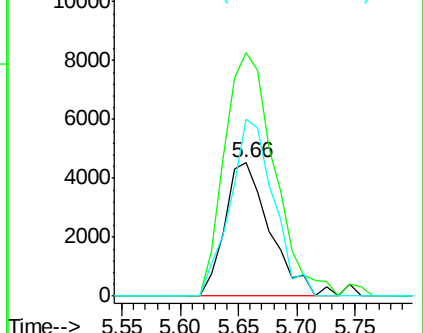
84 133.1 65.2 97.8#

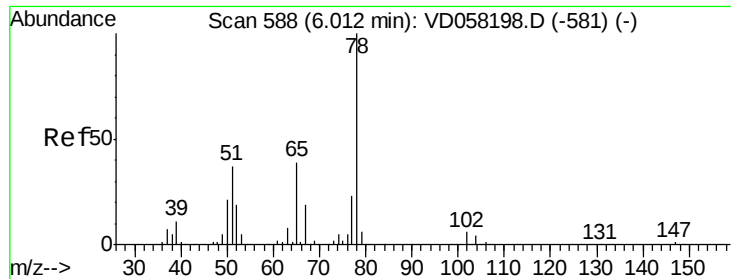


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

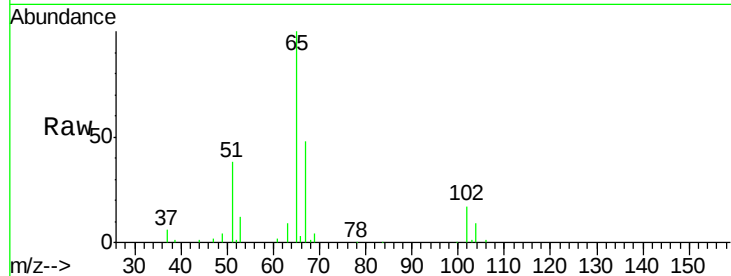
SSP-C-2-GRABRE

Tot Ion: 65 Resp: 354174

Ion Ratio Lower Upper

65 100

67 48.0 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

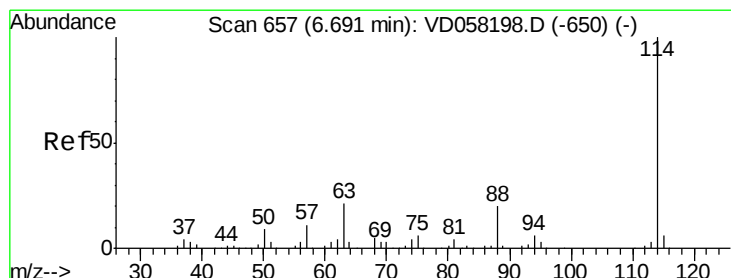
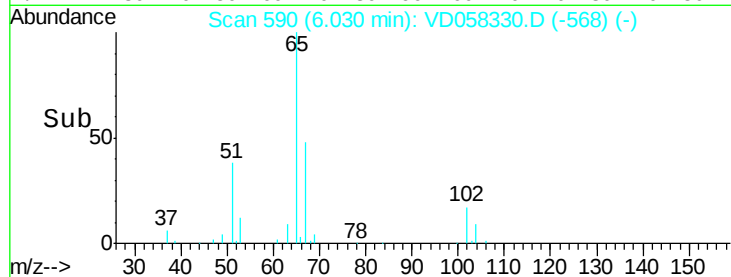
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 659

Delta R.T. 0.02 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

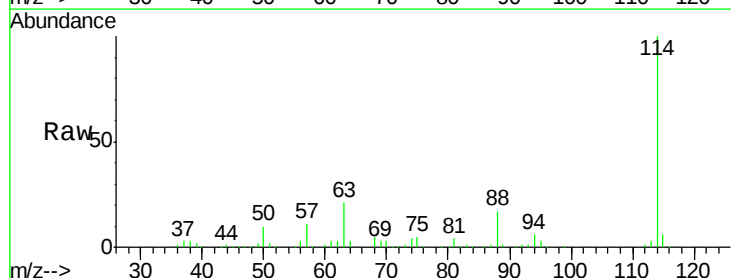
Tgt Ion: 114 Resp: 858698

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 17.4 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

6.71

400000

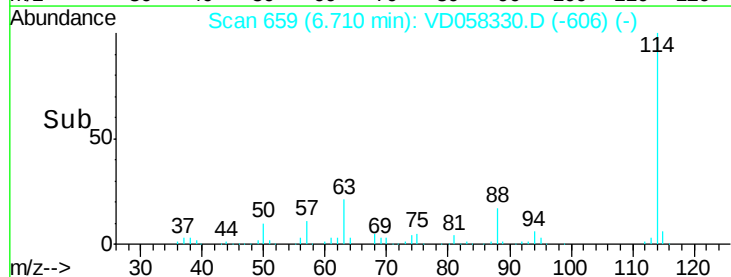
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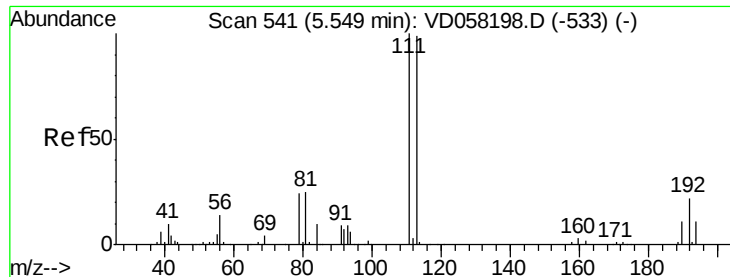
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100000

0

Time-->

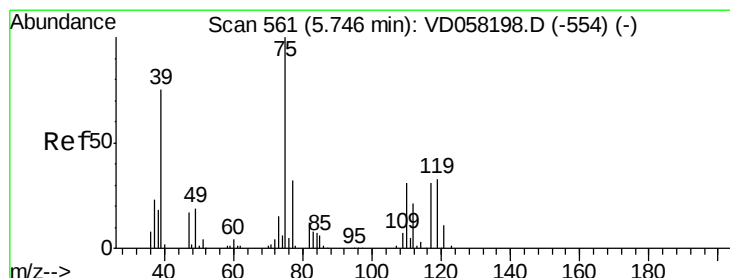
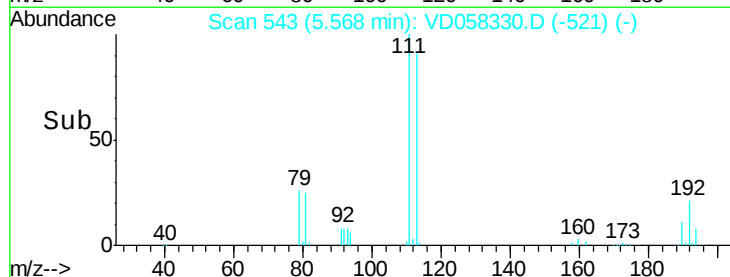
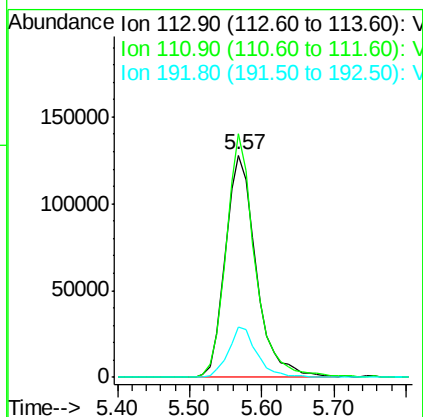
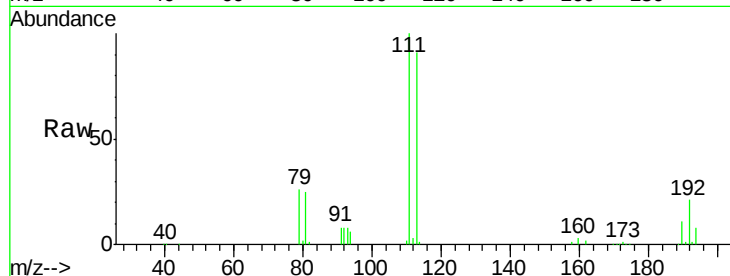




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058330.D
 Acq: 23 Jun 2018 8:58

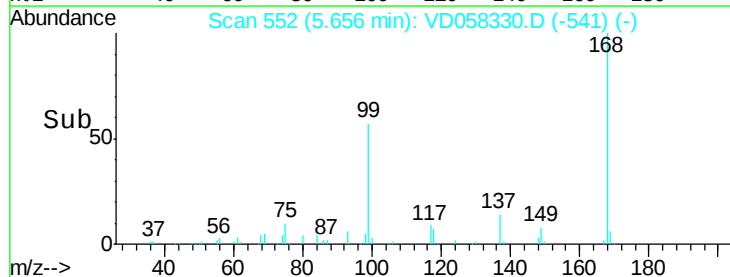
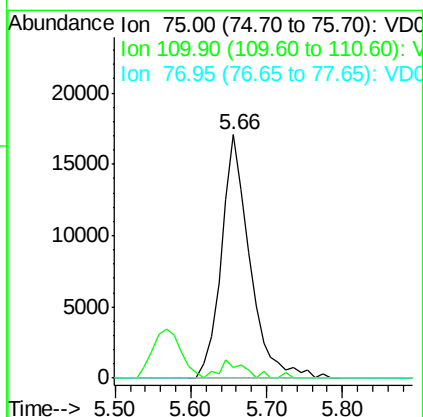
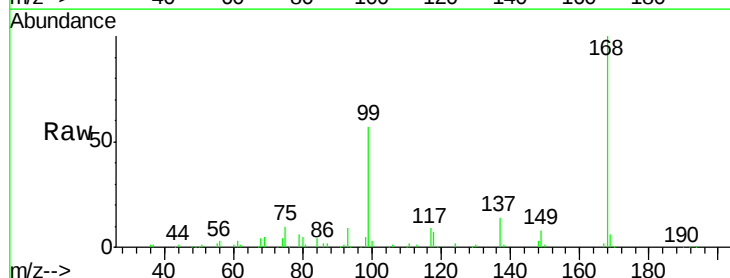
Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRABRE

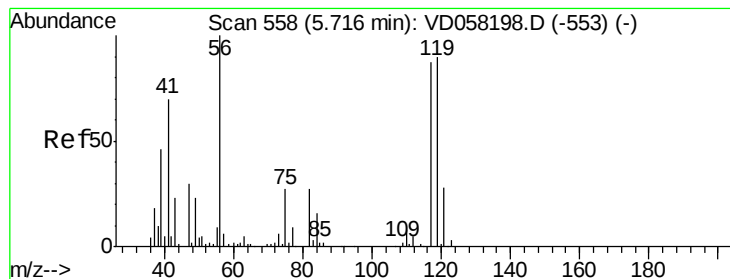
Tot Ion:113 Resp: 379010
 Ion Ratio Lower Upper
 113 100
 111 109.6 80.6 121.0
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. -0.09 min
 Lab File: VD058330.D
 Acq: 23 Jun 2018 8:58

Tgt Ion: 75 Resp: 44177
 Ion Ratio Lower Upper
 75 100
 110 4.2 15.4 46.4#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.992 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRABRE

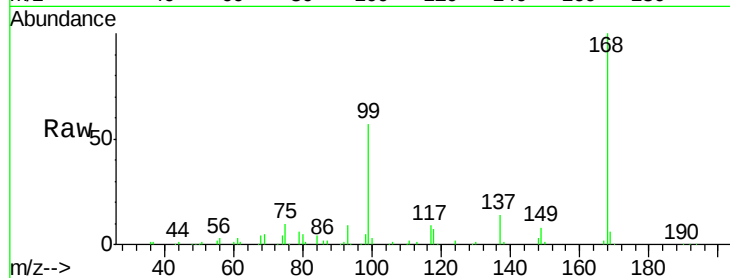
Tot Ion:117 Resp: 42135

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

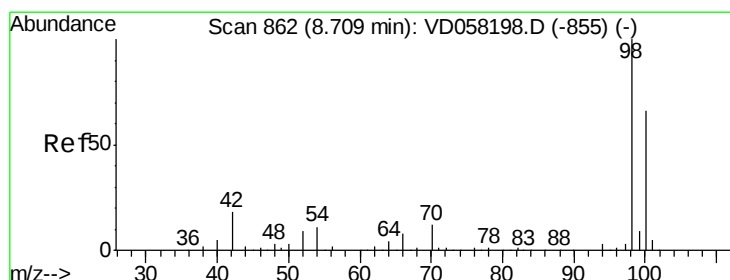
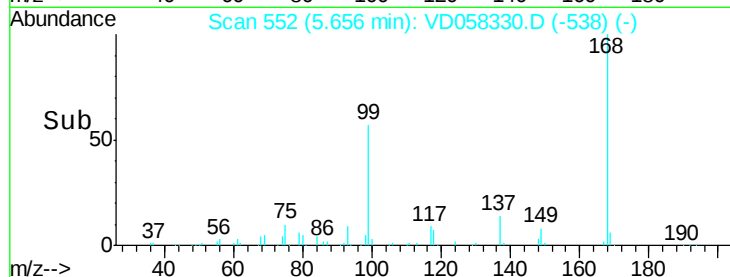
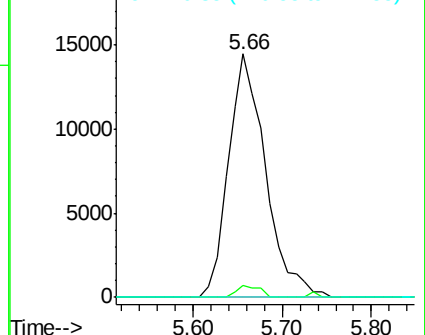
121 0.0 25.0 37.6#



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: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058330.D

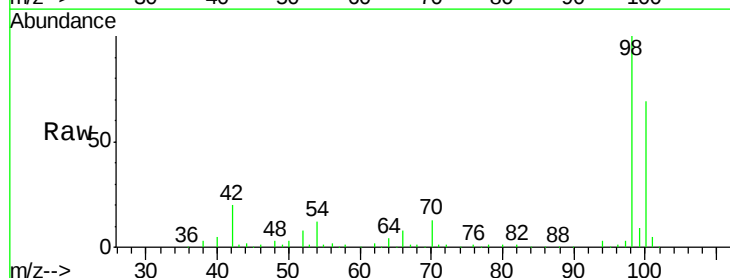
Acq: 23 Jun 2018 8:58

Tgt Ion: 98 Resp: 711295

Ion Ratio Lower Upper

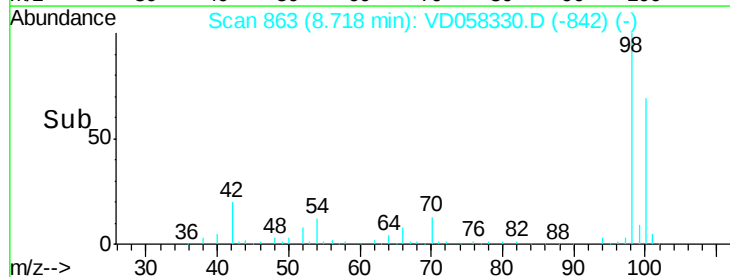
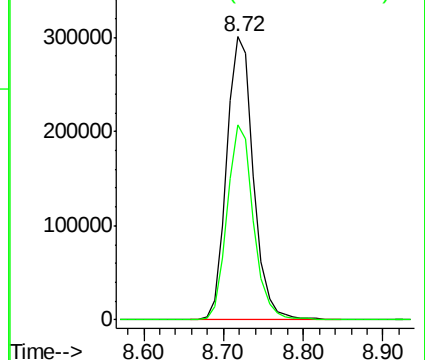
98 100

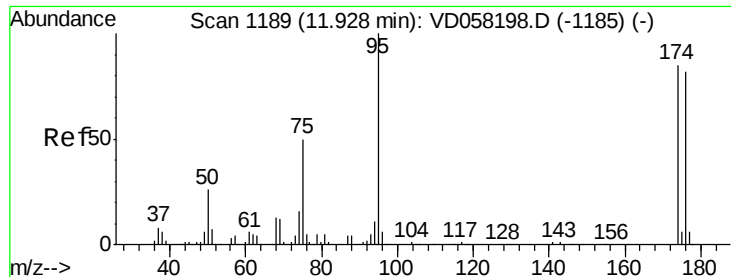
100 68.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

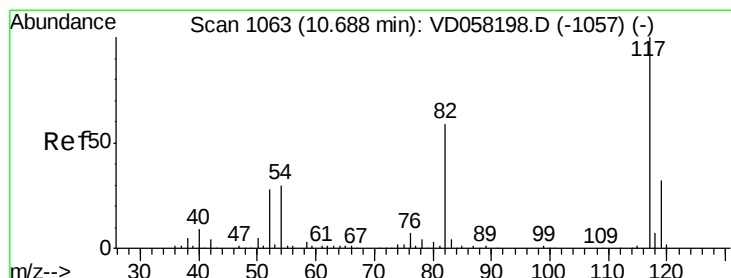
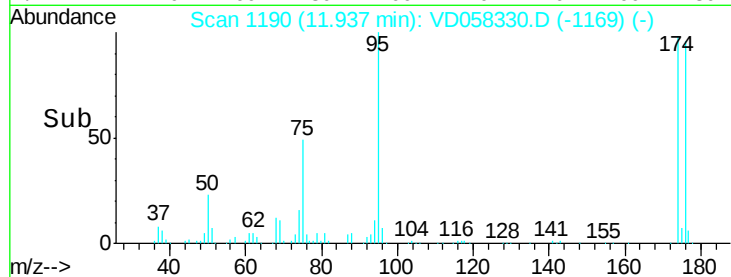
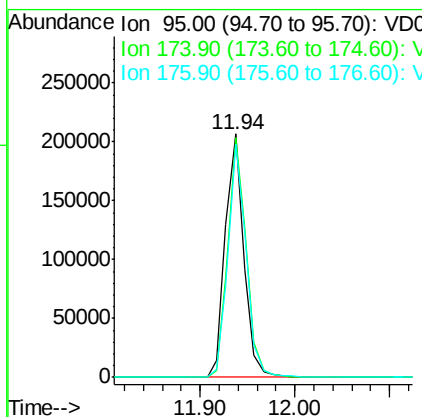
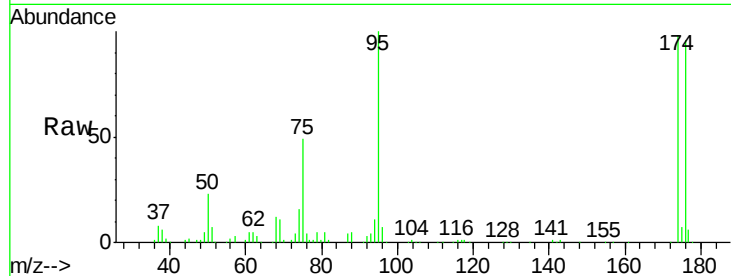




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058330.D
Acq: 23 Jun 2018 8:58

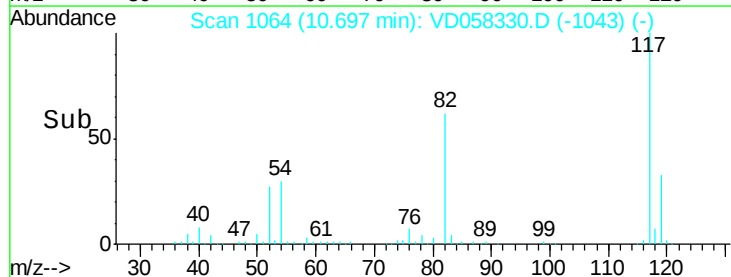
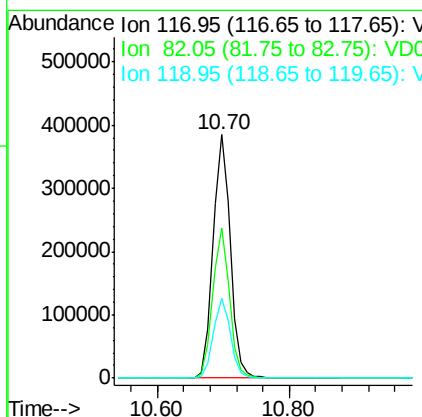
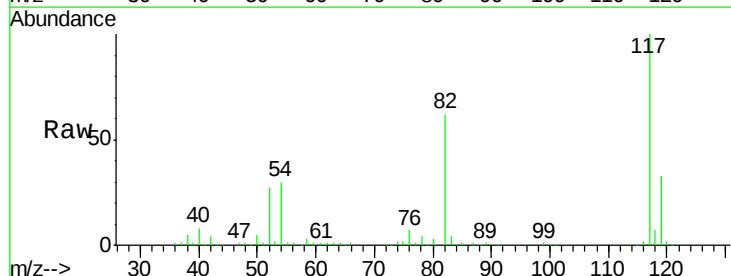
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-2-GRABRE

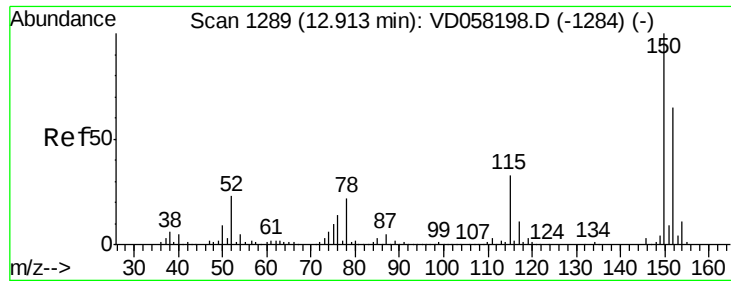
Tot Ion: 95 Resp: 278667
Ion Ratio Lower Upper
95 100
174 98.4 0.0 170.2
176 95.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058330.D
Acq: 23 Jun 2018 8:58

Tgt Ion: 117 Resp: 690017
Ion Ratio Lower Upper
117 100
82 61.9 47.0 70.6
119 32.7 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: VD058330.D

Acq: 23 Jun 2018 8:58

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRABRE

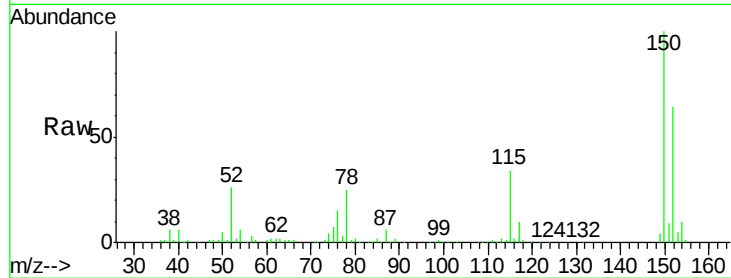
Tot Ion:152 Resp: 280615

Ion Ratio Lower Upper

152 100

115 52.5 25.1 75.3

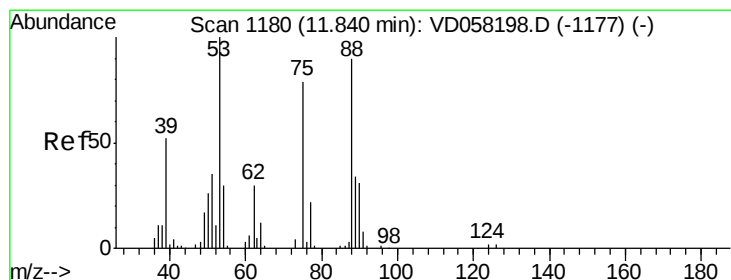
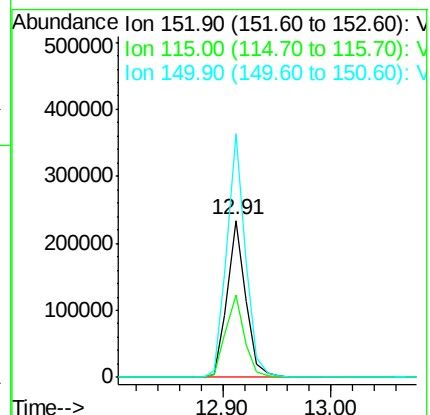
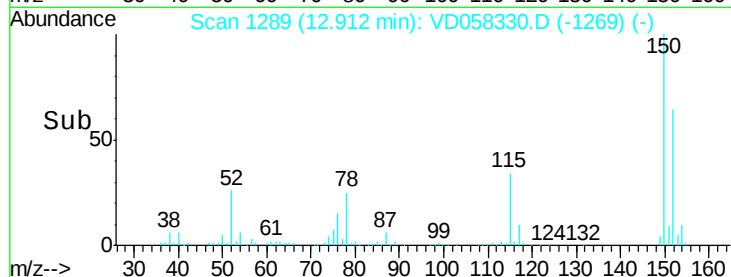
150 155.5 0.0 308.8



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: 136.910 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058330.D

Acq: 23 Jun 2018 8:58

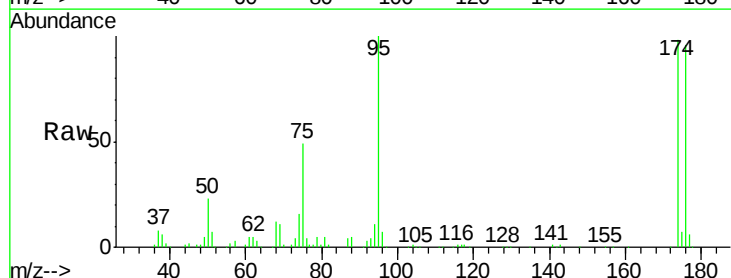
Tgt Ion: 75 Resp: 136806

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

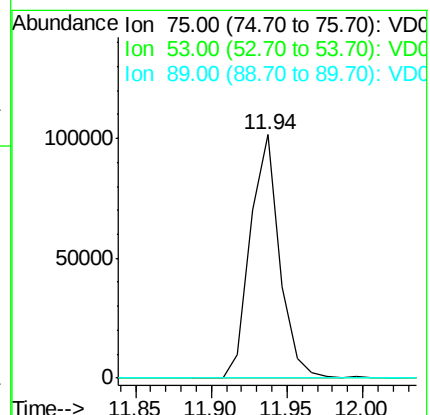
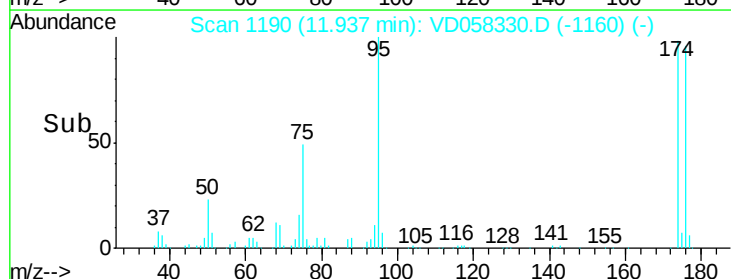
89 0.0 34.6 52.0#

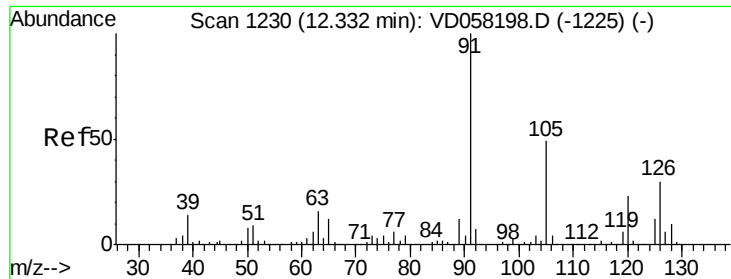


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.22 min Scan# 1219
 Delta R.T. -0.11 min
 Lab File: VD058330.D
 Acq: 23 Jun 2018 8:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRABRE

Tot Ion: 91 Resp: 189
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

