

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058285.D
 Acq On : 22 Jun 2018 8:35
 Operator : VA/AP
 Sample : J3582-01RE
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-1-GRABRE

Quant Time: Jun 22 10:52:02 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	568467	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	741432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	549134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	216625	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	344116	59.93	ug/l	0.01
Spiked Amount 50.000			Recovery	=	119.86%	
35) Dibromofluoromethane	5.56	113	360026	59.66	ug/l	0.01
Spiked Amount 50.000			Recovery	=	119.32%	
50) Toluene-d8	8.71	98	709719	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.93	95	243117	40.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.52%	

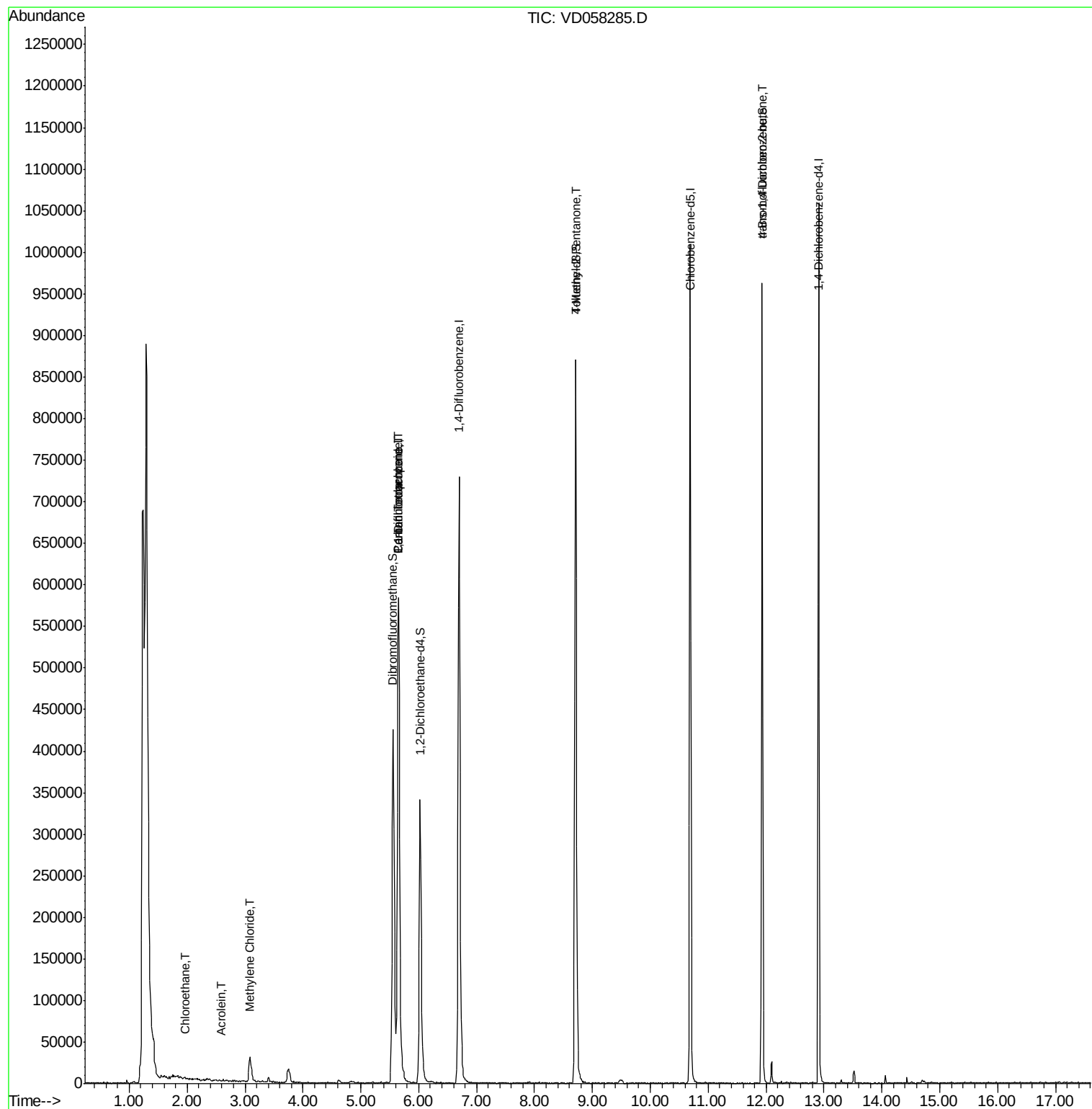
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	274	Below Cal	#	43
3) Chloromethane	1.35	50	249	Below Cal	#	43
5) Bromomethane	1.83	94	220	Below Cal	#	3
6) Chloroethane	1.98	64	181	1.55	ug/l	41
13) Acrolein	2.58	56	191	1.77	ug/l	11
20) Methylene Chloride	3.08	84	13133	1.81	ug/l	84
31) Cyclohexane	5.64	56	13563	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	48353	6.59	ug/l	48
38) Carbon Tetrachloride	5.64	117	47558	6.53	ug/l	13
51) 4-Methyl-2-Pentanone	8.71	43	4214	1.16	ug/l	1
81) trans-1,4-Dichloro-2-buten	11.93	75	119679	155.15	ug/l	1
82) 4-Chlorotoluene	12.22	91	284	Below Cal	#	45

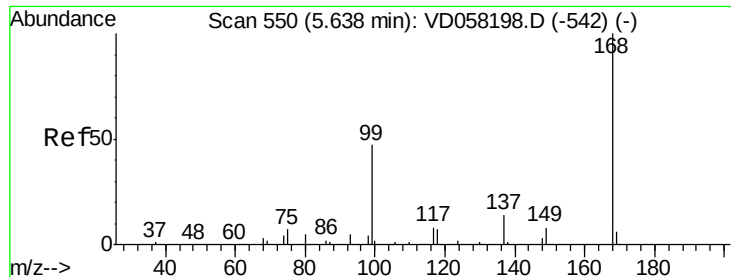
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

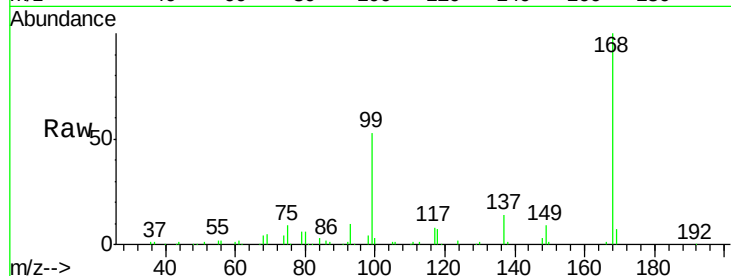
SSP-A-1-GRABRE

Tot Ion:168 Resp: 568467

Ion Ratio Lower Upper

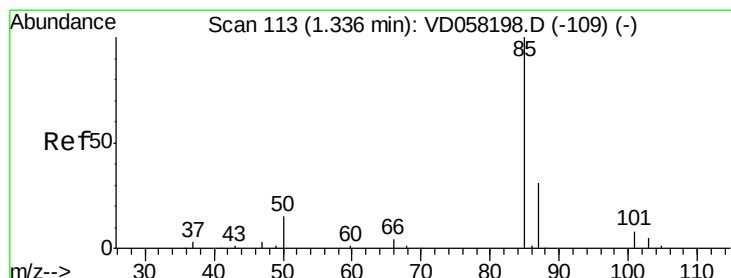
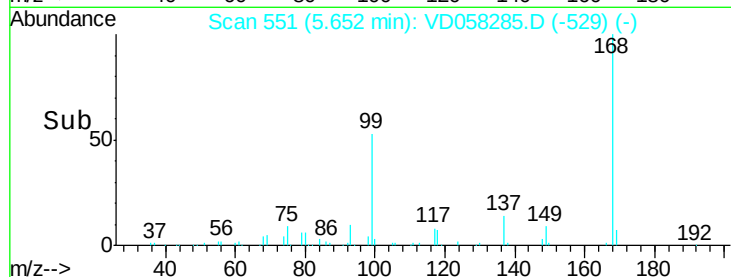
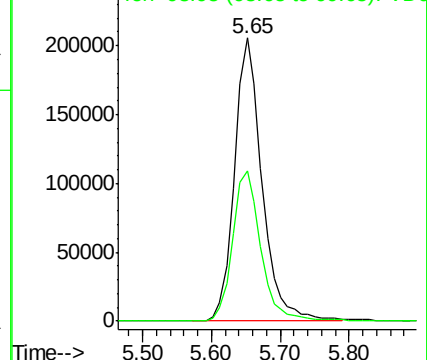
168 100

99 53.1 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: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058285.D

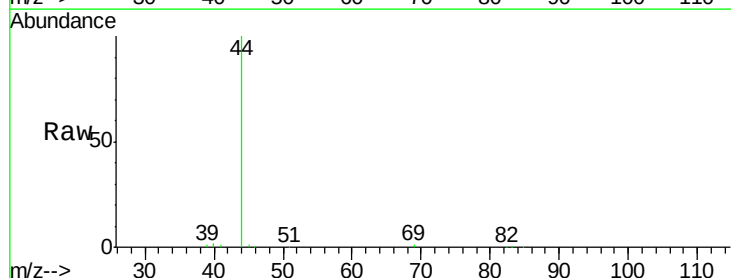
Acq: 22 Jun 2018 8:35

Tgt Ion: 85 Resp: 274

Ion Ratio Lower Upper

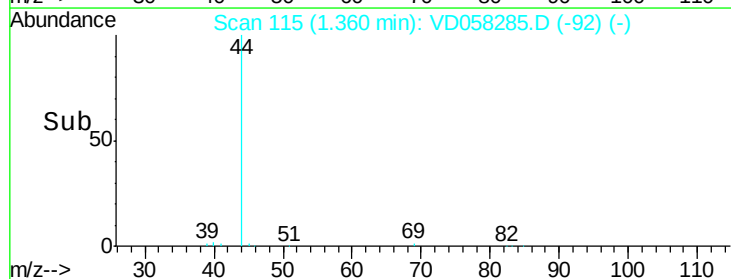
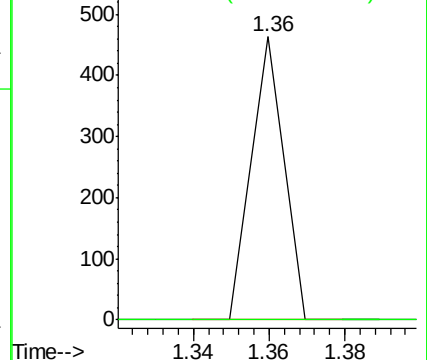
85 100

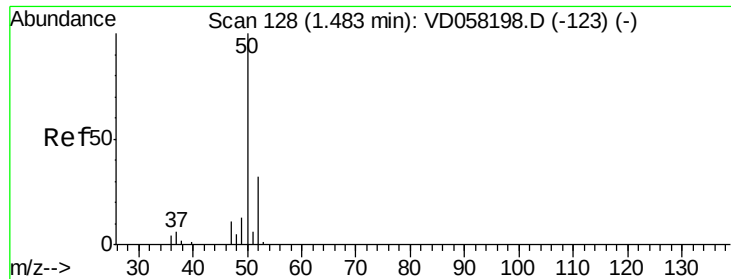
87 0.0 15.7 47.0#



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: 1.35 min Scan# 114

Delta R.T. -0.13 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

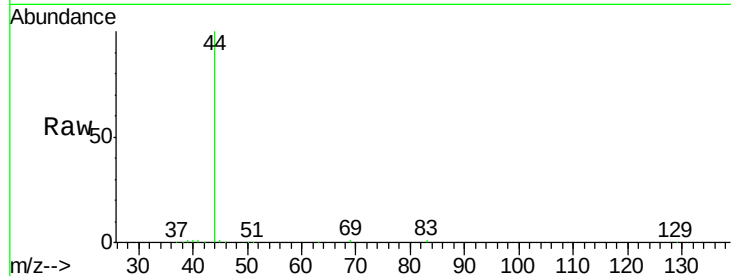
SSP-A-1-GRABRE

Tot Ion: 50 Resp: 249

Ion Ratio Lower Upper

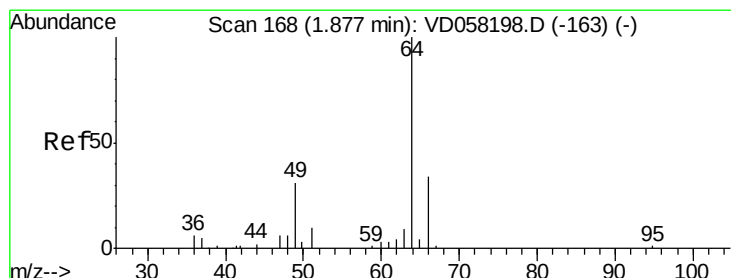
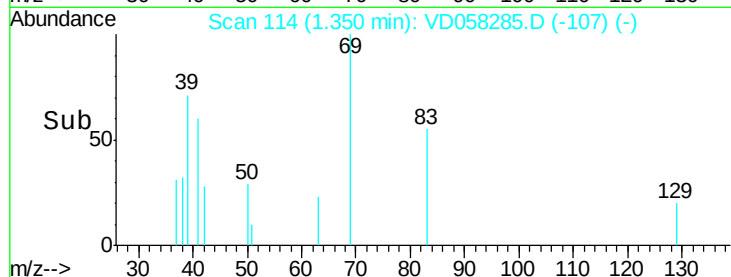
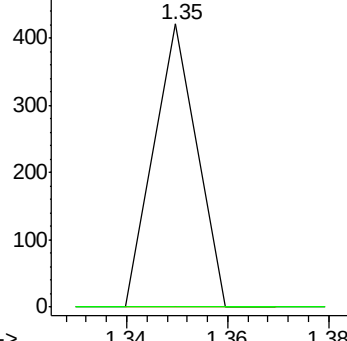
50 100

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



#6

Chloroethane

Concen: 1.55 ug/l

RT: 1.98 min Scan# 178

Delta R.T. 0.10 min

Lab File: VD058285.D

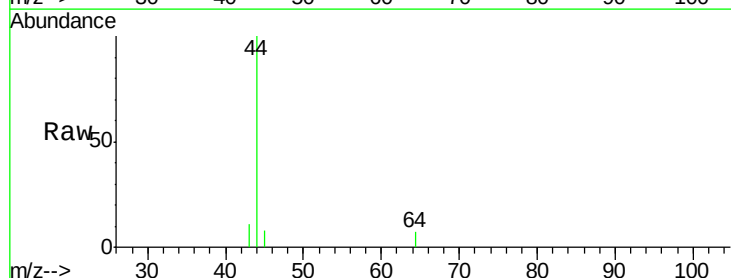
Acq: 22 Jun 2018 8:35

Tgt Ion: 64 Resp: 181

Ion Ratio Lower Upper

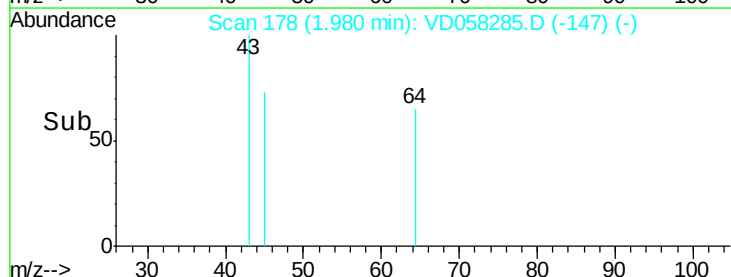
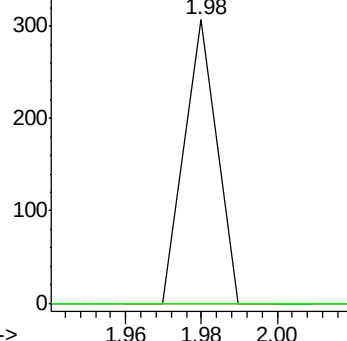
64 100

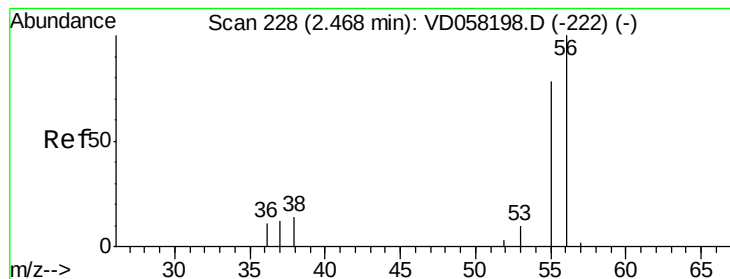
66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#13

Acrolein

Concen: 1.77 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.11 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

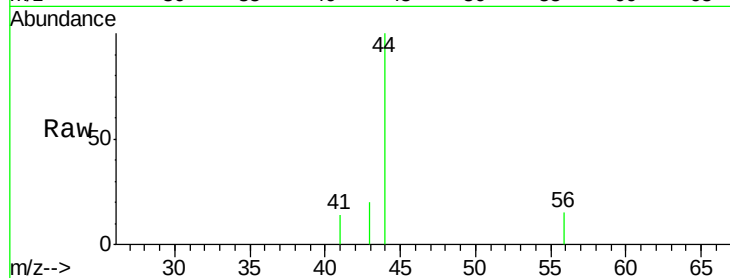
SSP-A-1-GRABRE

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

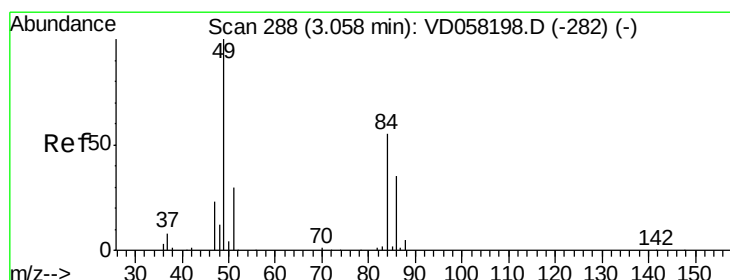
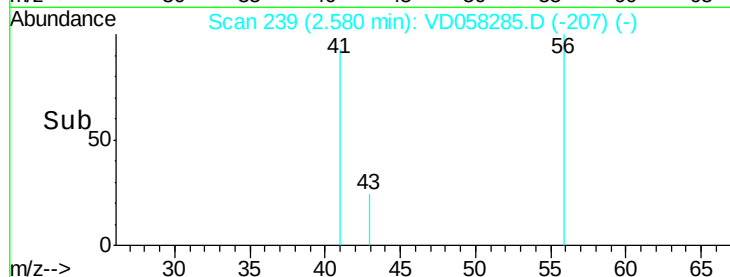
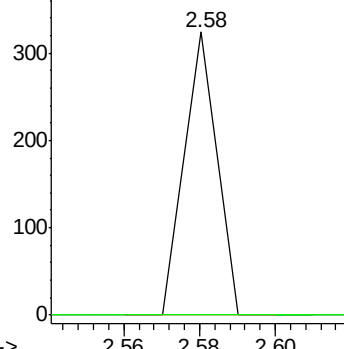
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#20

Methylene Chloride

Concen: 1.81 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Tgt Ion: 84 Resp: 13133

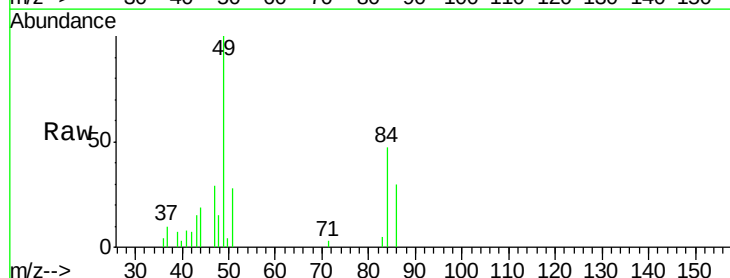
Ion Ratio Lower Upper

84 100

49 214.0 145.0 217.6

51 60.1 42.9 64.3

86 64.5 50.1 75.1

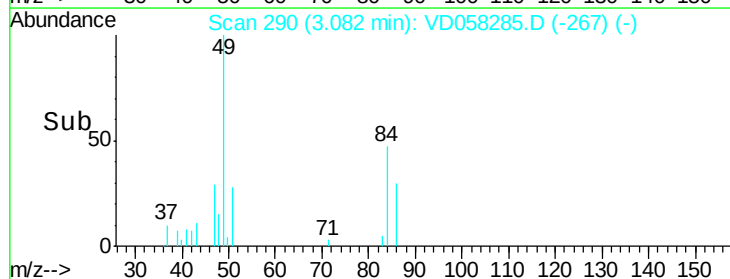
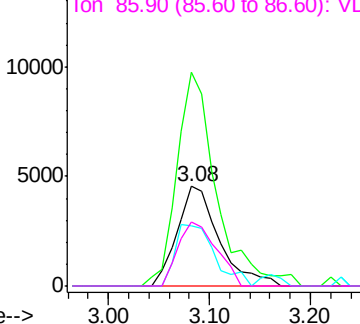


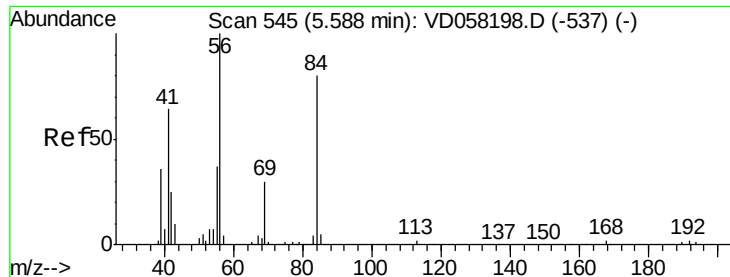
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

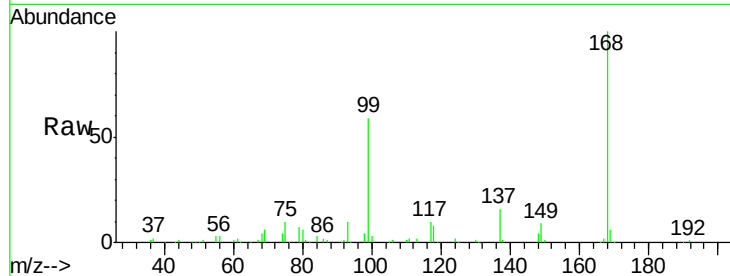




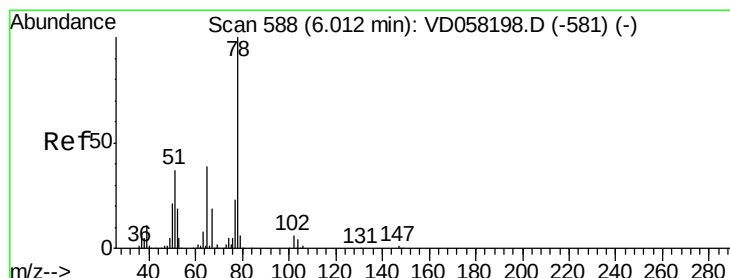
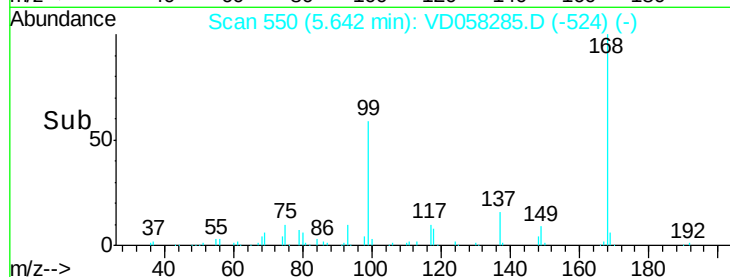
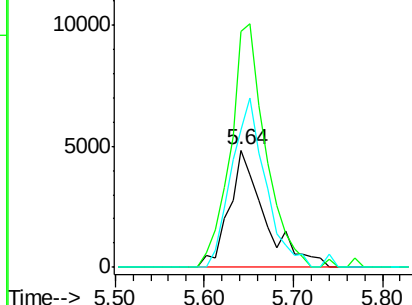
#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD058285.D
Acq: 22 Jun 2018 8:35

Instrument :
MSVOA_D
ClientSampleId :
SSP-A-1-GRABRE

Tot Ion: 56 Resp: 13563
Ion Ratio Lower Upper
56 100
69 201.8 23.6 35.4#
84 118.1 65.2 97.8#

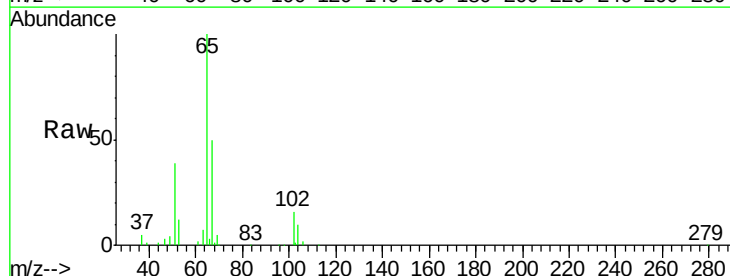


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

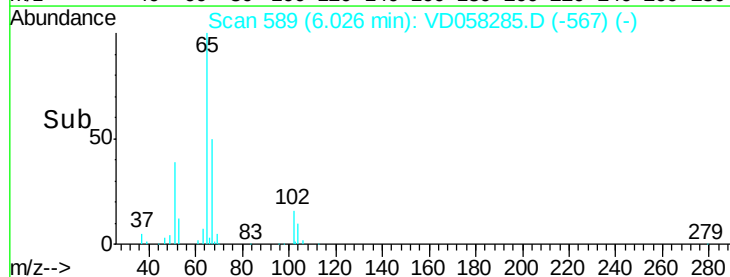
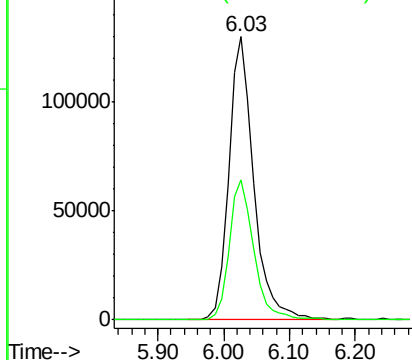


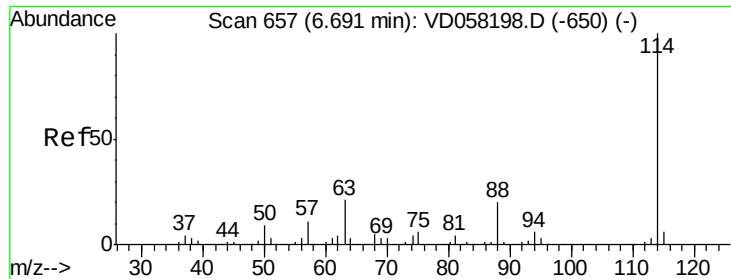
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.03 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058285.D
Acq: 22 Jun 2018 8:35

Tgt Ion: 65 Resp: 344116
Ion Ratio Lower Upper
65 100
67 49.7 0.0 97.8



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

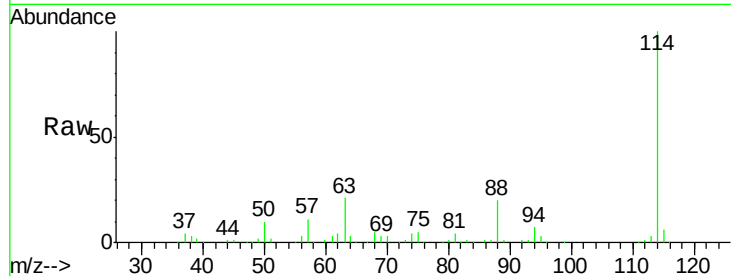




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058285.D
 Acq: 22 Jun 2018 8:35

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-1-GRABRE

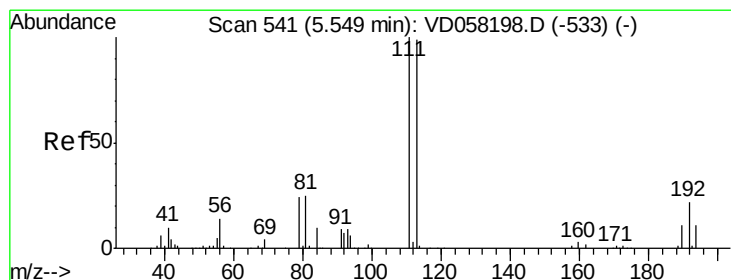
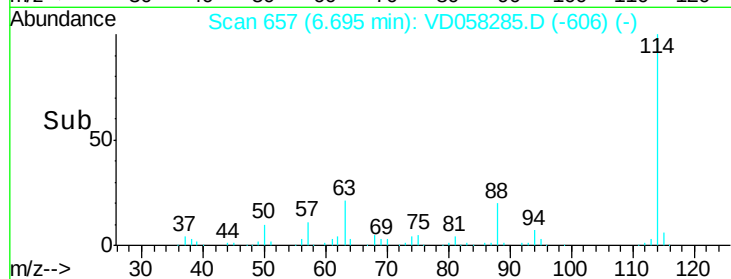
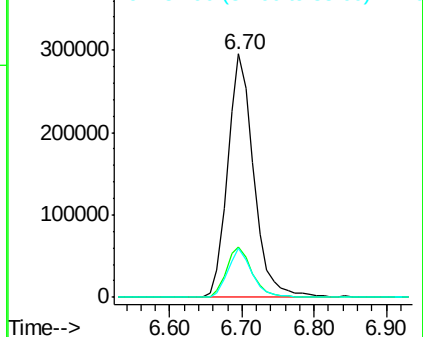
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	19.9	0.0	40.6



Abundance Ion 114.00 (113.70 to 114.70): V

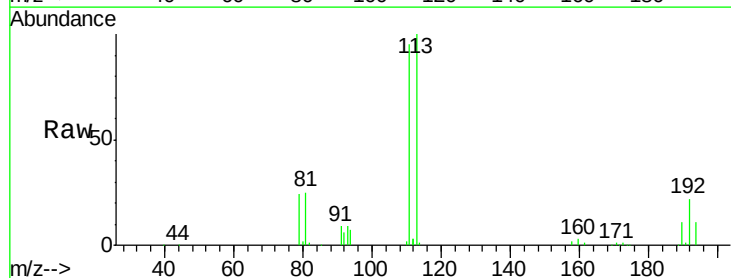
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058285.D
 Acq: 22 Jun 2018 8:35

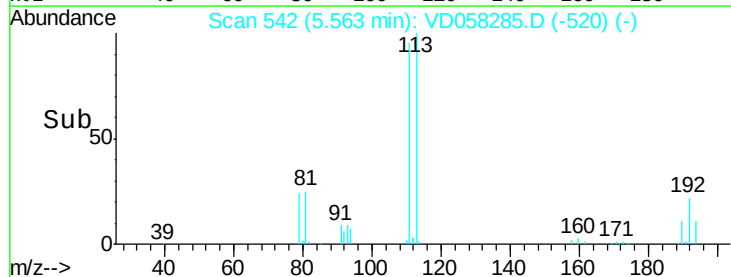
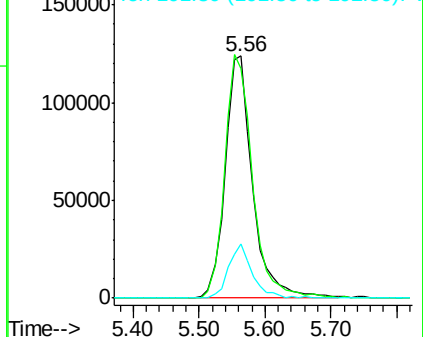
Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.0	80.6	121.0
192	22.4	17.8	26.6

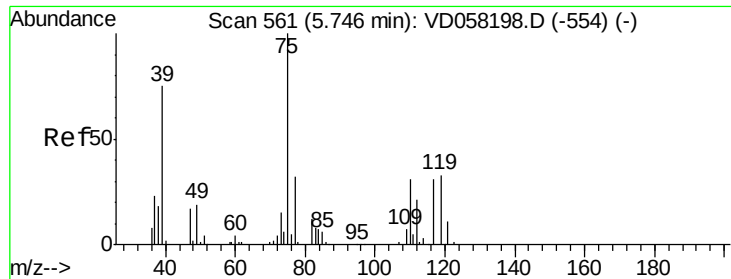


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

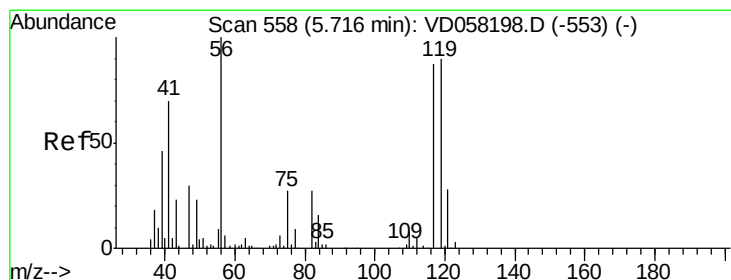
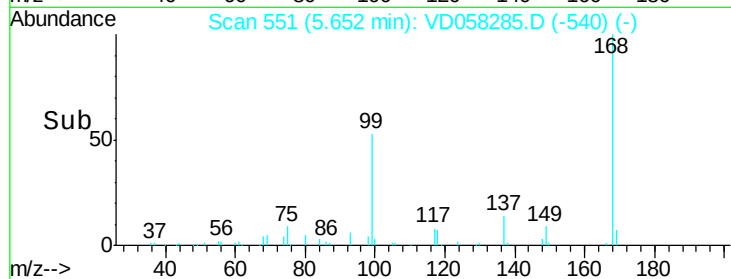
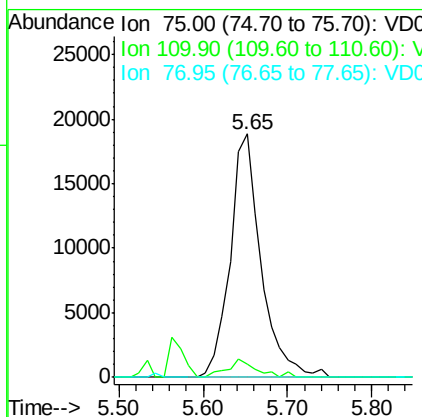
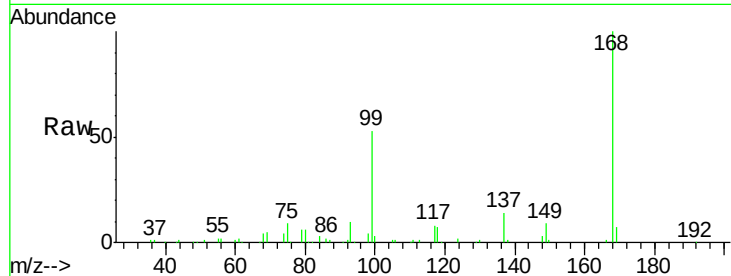




#36
 1,1-Dichloropropene
 Concen: 6.59 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.09 min
 Lab File: VD058285.D
 Acq: 22 Jun 2018 8:35

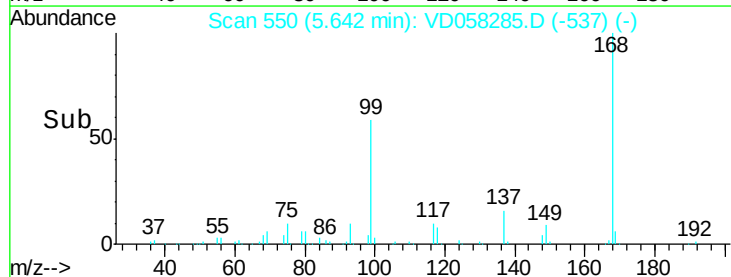
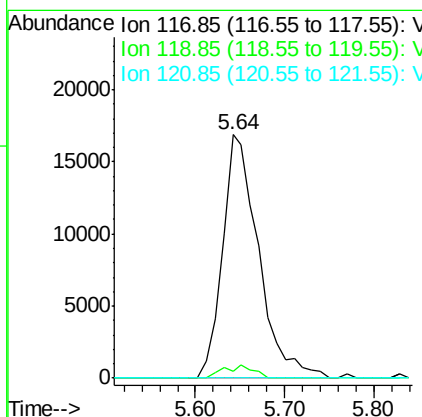
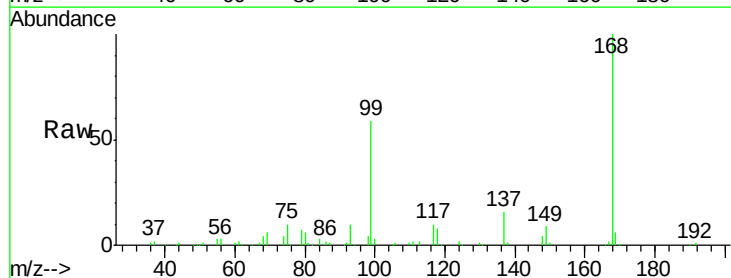
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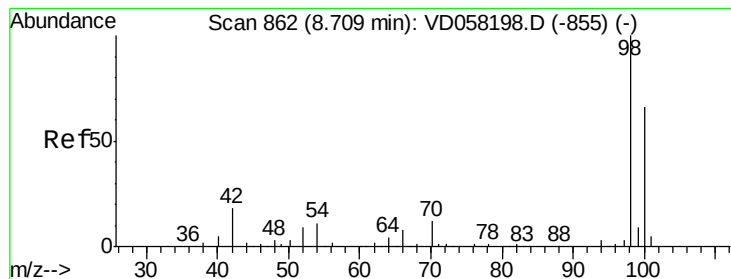
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.4	15.4	46.4#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.53 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.07 min
 Lab File: VD058285.D
 Acq: 22 Jun 2018 8:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	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: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

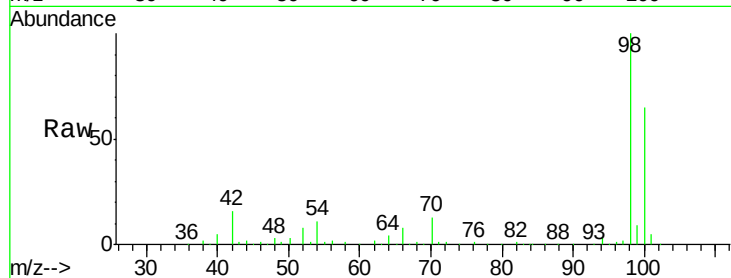
SSP-A-1-GRABRE

Tot Ion: 98 Resp: 709719

Ion Ratio Lower Upper

98 100

100 65.1 53.6 80.4



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

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.71

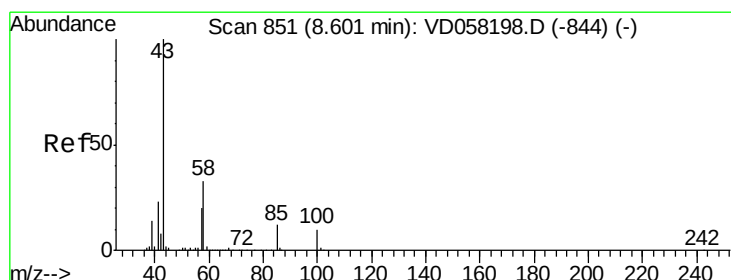
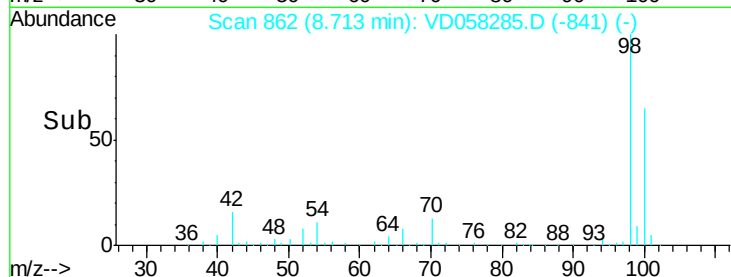
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.16 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058285.D

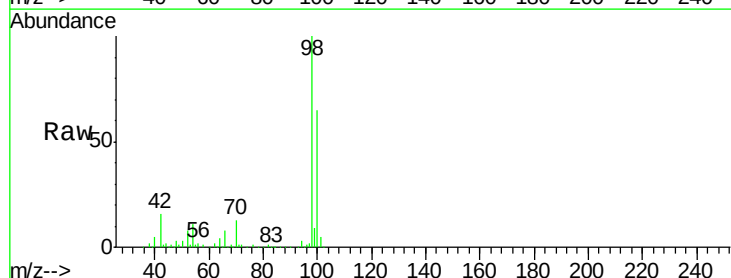
Acq: 22 Jun 2018 8:35

Tgt Ion: 43 Resp: 4214

Ion Ratio Lower Upper

43 100

58 150.3 26.7 40.1#



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

Ion 57.95 (57.65 to 58.65): VD058198.D (-844) (-)

8.71

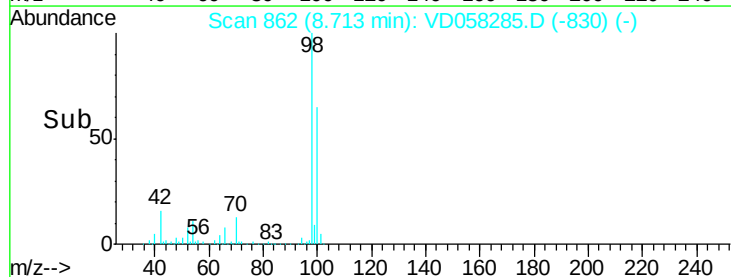
3000

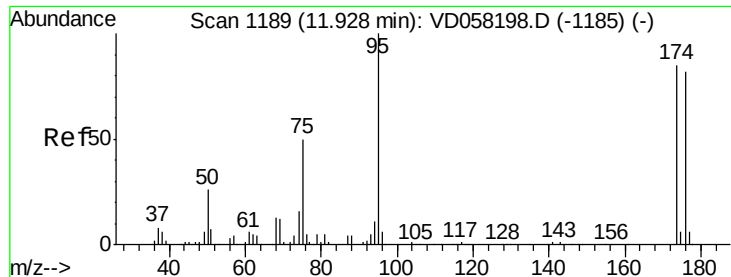
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-1-GRABRE

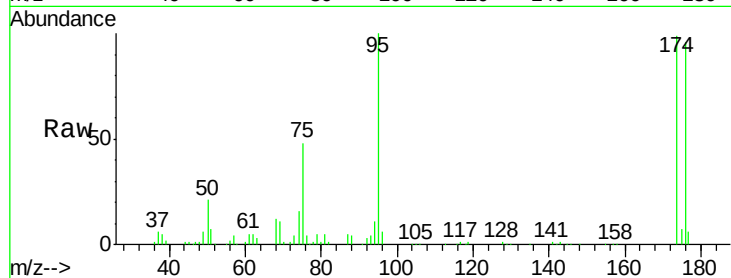
Tot Ion: 95 Resp: 243117

Ion Ratio Lower Upper

95 100

174 99.0 0.0 170.2

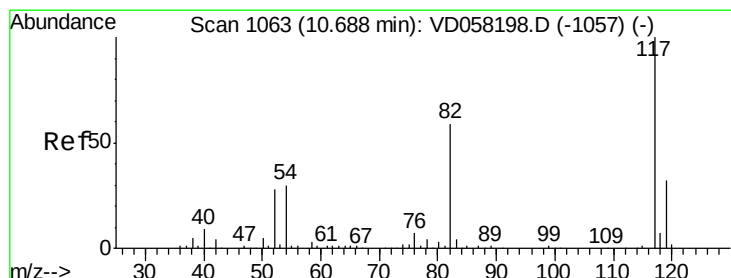
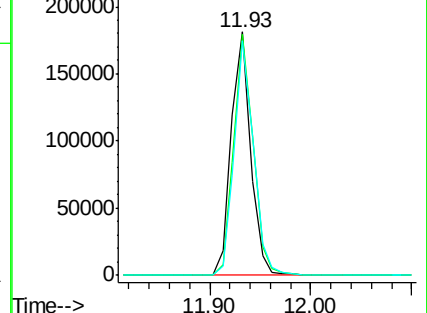
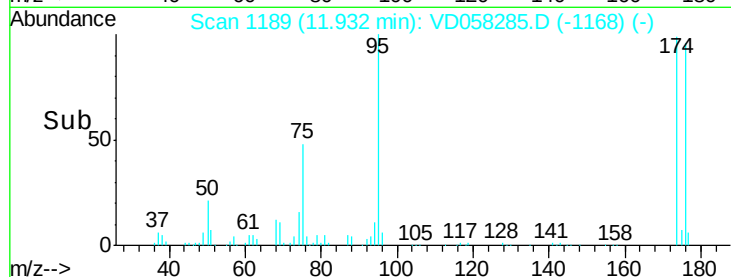
176 96.2 0.0 164.6



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: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

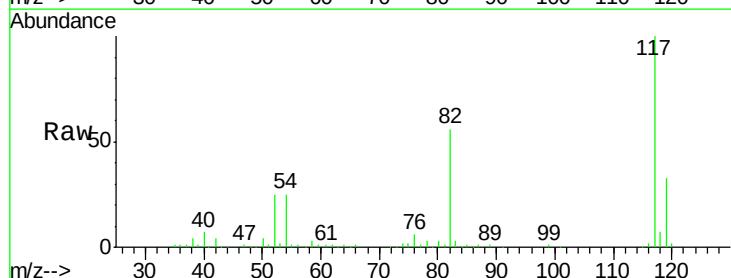
Tgt Ion: 117 Resp: 549134

Ion Ratio Lower Upper

117 100

82 55.8 47.0 70.6

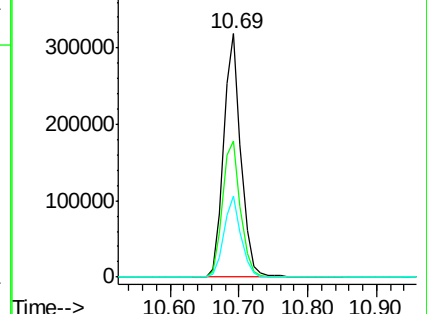
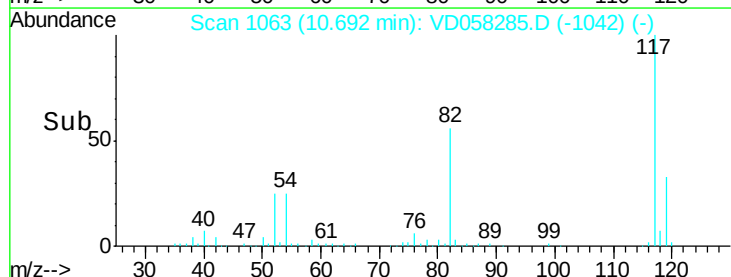
119 33.3 25.3 37.9

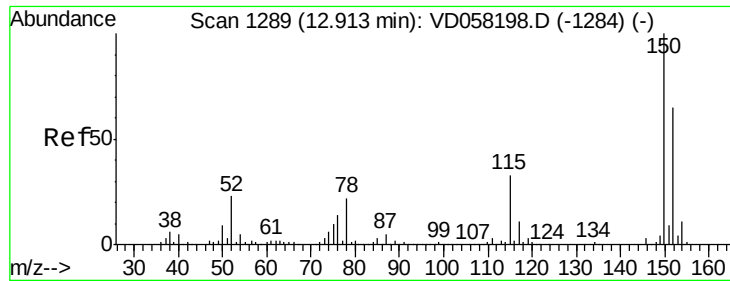


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

Instrument :

MSVOA_D

ClientSampleId :

SSP-A-1-GRABRE

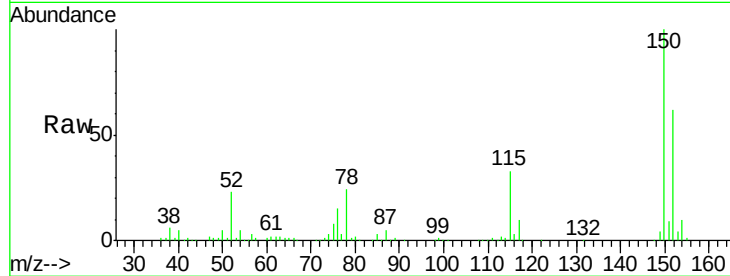
Tot Ion:152 Resp: 216625

Ion Ratio Lower Upper

152 100

115 53.0 25.1 75.3

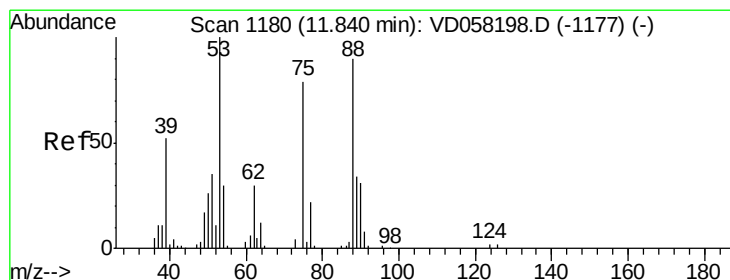
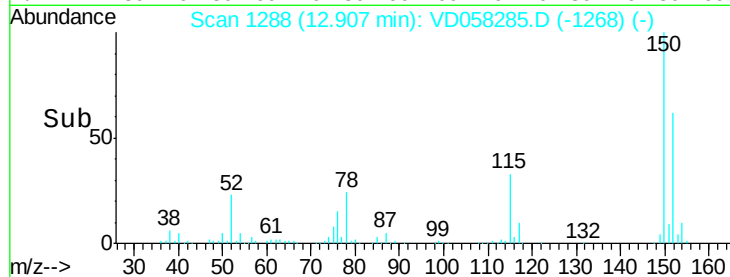
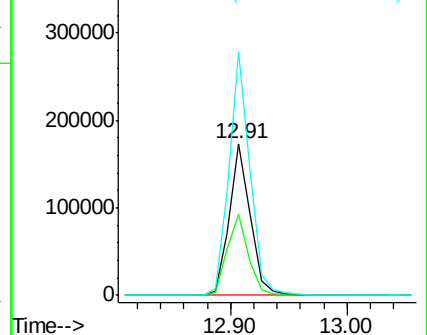
150 160.2 0.0 308.8



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: 155.15 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058285.D

Acq: 22 Jun 2018 8:35

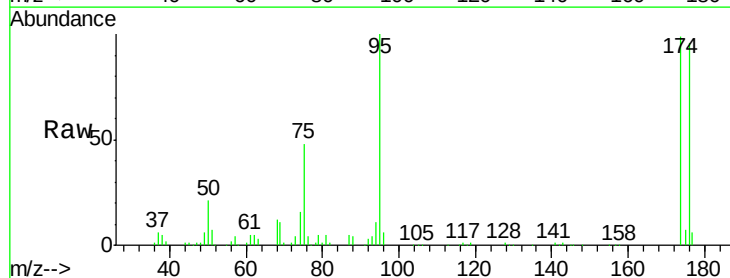
Tgt Ion: 75 Resp: 119679

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

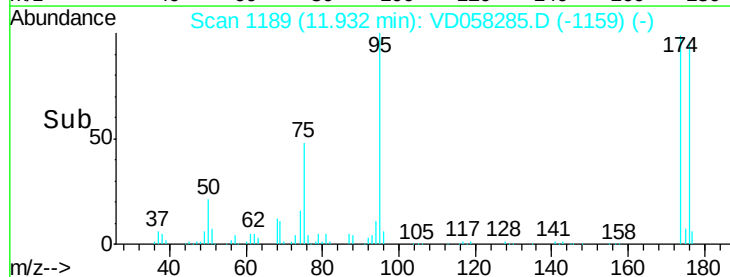
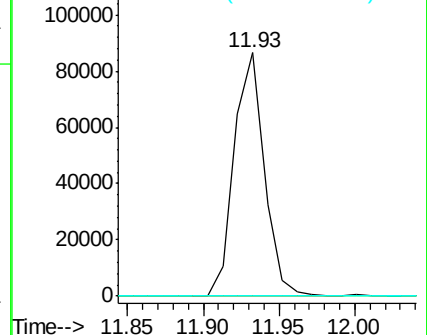
89 0.0 34.6 52.0#

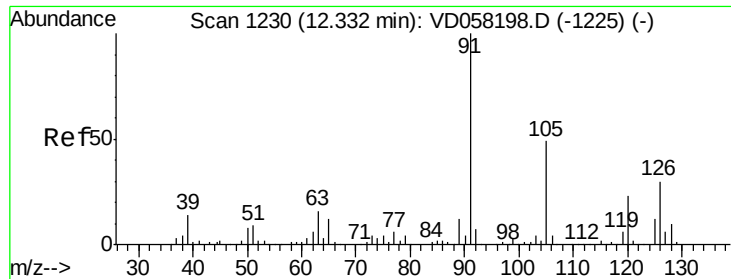


Abundance Ion 75.00 (74.70 to 75.70): VDC

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# 1218
 Delta R.T. -0.11 min
 Lab File: VD058285.D
 Acq: 22 Jun 2018 8:35

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-A-1-GRABRE

Tot Ion: 91 Resp: 284
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

