

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059410.D
 Acq On : 25 Jun 2018 20:30
 Operator : VA/AP
 Sample : J3669-03
 Misc : 6.45g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-19-21-180620RE

Quant Time: Jun 26 06:48:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	735153	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	943798	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	823847	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	447464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	308268	41.00	ug/l	-0.03
Spiked Amount			Recovery	=	82.00%	
35) Dibromofluoromethane	5.53	113	312147	40.60	ug/l	-0.03
Spiked Amount			Recovery	=	81.20%	
50) Toluene-d8	8.69	98	687742	38.27	ug/l	-0.03
Spiked Amount			Recovery	=	76.54%	
62) 4-Bromofluorobenzene	11.92	95	327338	43.79	ug/l	-0.02
Spiked Amount			Recovery	=	87.58%	

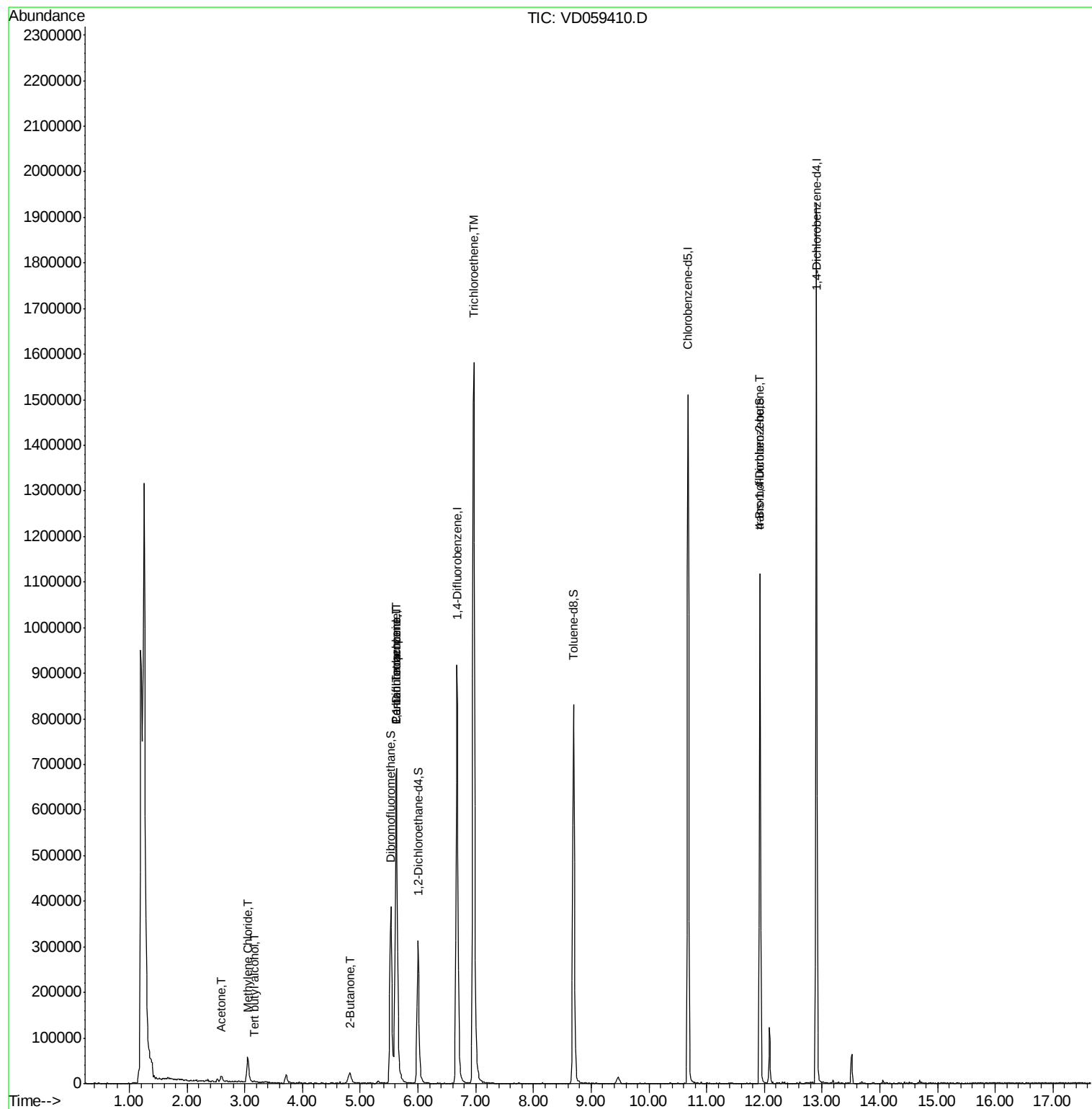
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	448	Below Cal	#	4
11) Tert butyl alcohol	3.16	59	1543	5.933	ug/l #	72
16) Acetone	2.59	43	25882	27.278	ug/l	95
18) Methyl Acetate	2.89	43	1185	Below Cal	#	66
20) Methylene Chloride	3.05	84	28464	8.759	ug/l	93
25) 2-Butanone	4.81	43	4097	2.061	ug/l #	57
31) Cyclohexane	5.62	56	14354	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	58990	6.890	ug/l #	50
38) Carbon Tetrachloride	5.62	117	61312	6.946	ug/l #	15
44) Trichloroethene	6.97	130	668004	99.299	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.92	75	155027	110.508	ug/l #	1

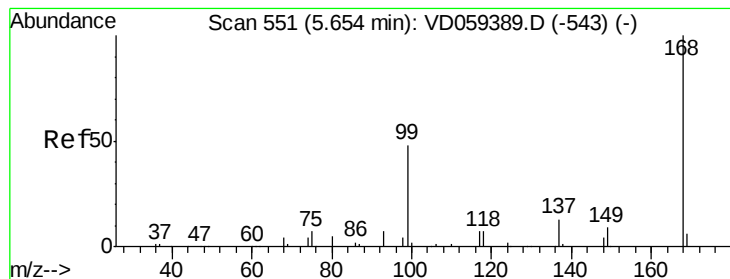
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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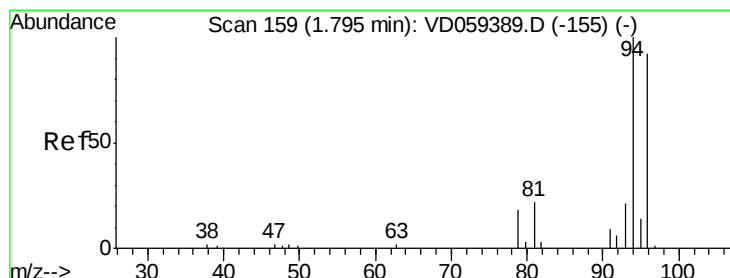
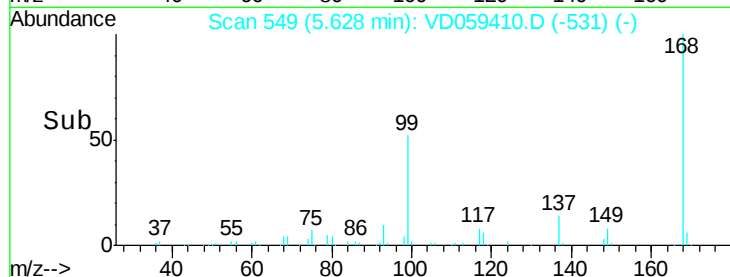
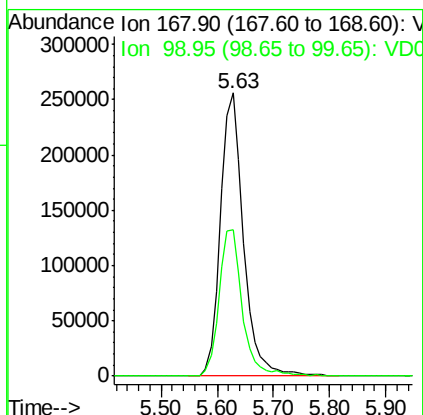
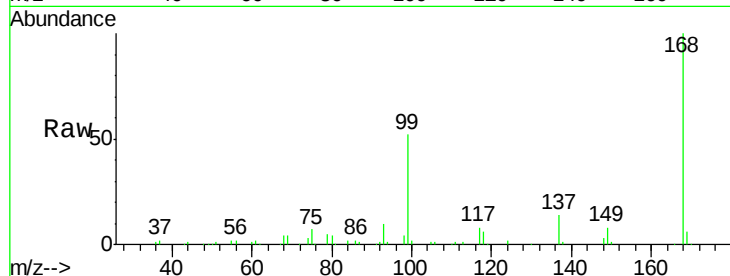




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.03 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

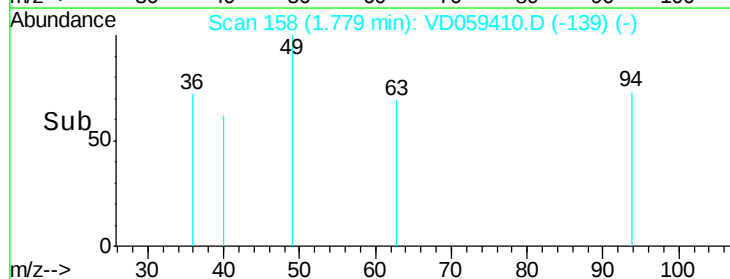
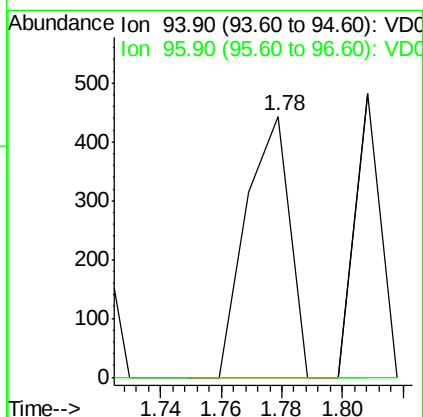
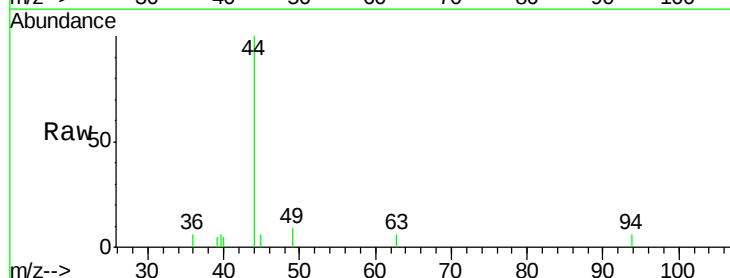
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-19-21-180620RE

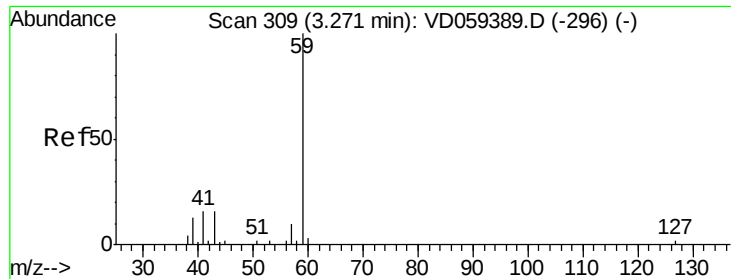
Tot Ion:168 Resp: 735153
Ion Ratio Lower Upper
168 100
99 51.9 41.0 61.6



#5
Bromomethane
Concen: Below Cal
RT: 1.78 min Scan# 158
Delta R.T. -0.02 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

Tgt Ion: 94 Resp: 448
Ion Ratio Lower Upper
94 100
96 0.0 73.4 110.0#

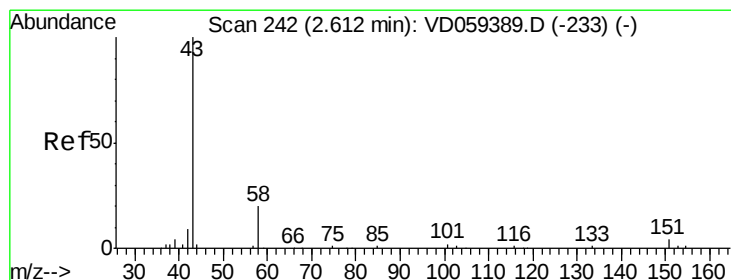
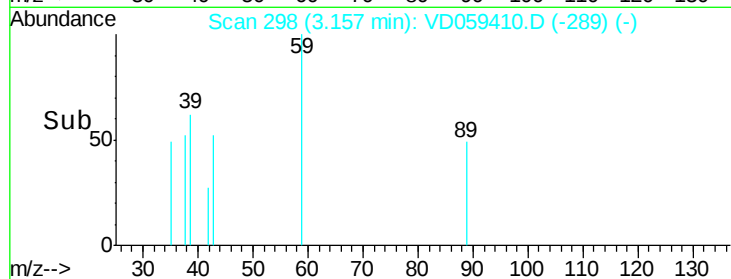
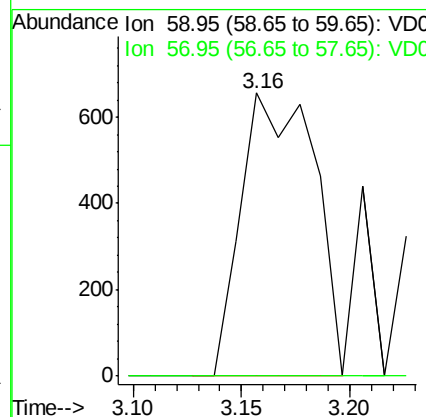
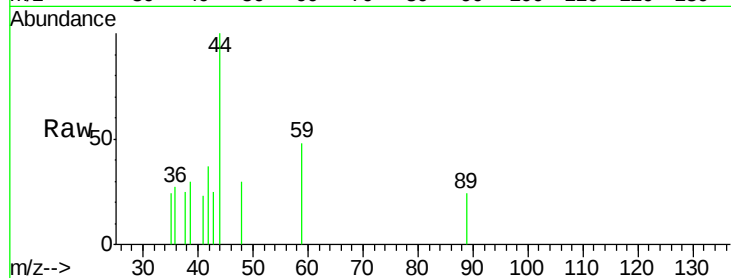




#11
Tert butyl alcohol
Concen: 5.933 ug/l
RT: 3.16 min Scan# 298
Delta R.T. -0.11 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

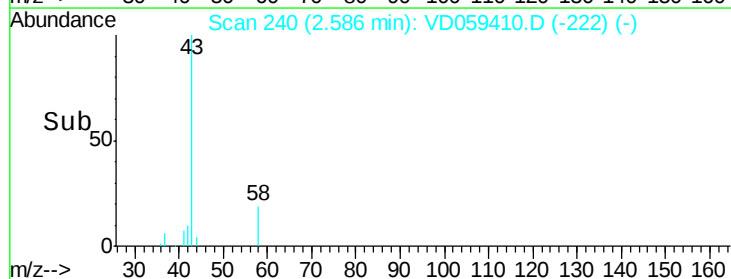
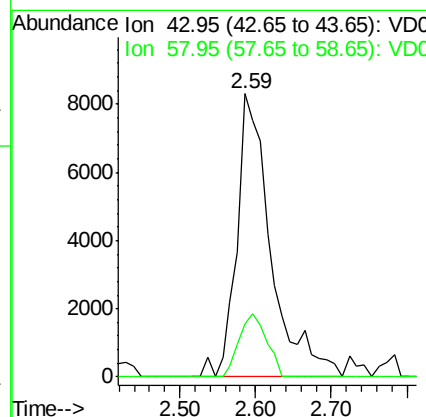
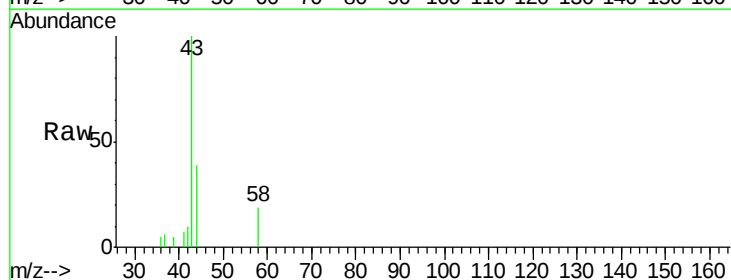
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-19-21-180620RE

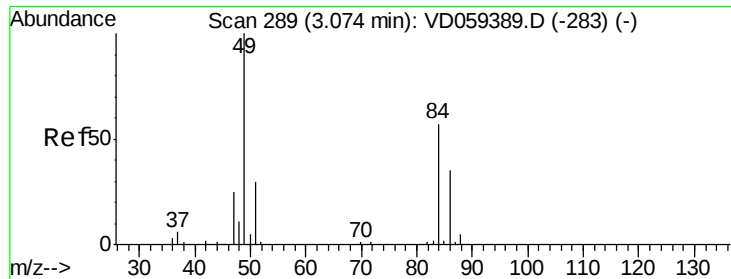
Tot Ion: 59 Resp: 1543
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 27.278 ug/l
RT: 2.59 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

Tgt Ion: 43 Resp: 25882
Ion Ratio Lower Upper
43 100
58 18.5 16.8 25.2

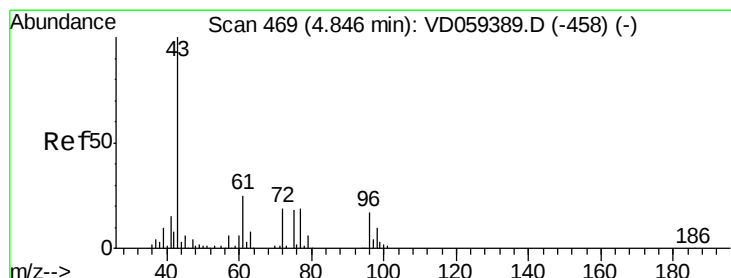
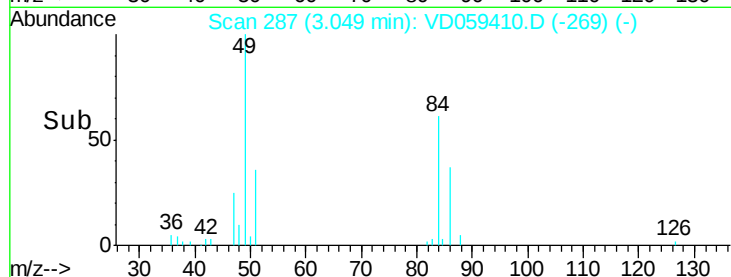
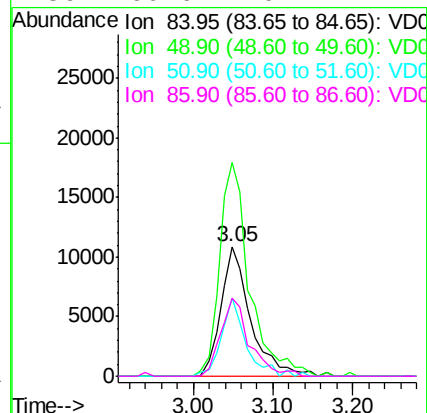
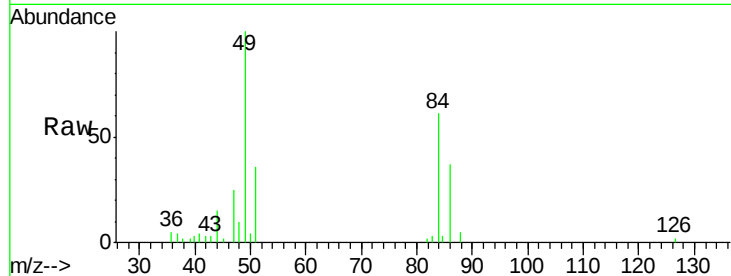




#20
Methvlene Chloride
Concen: 8.759 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.03 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

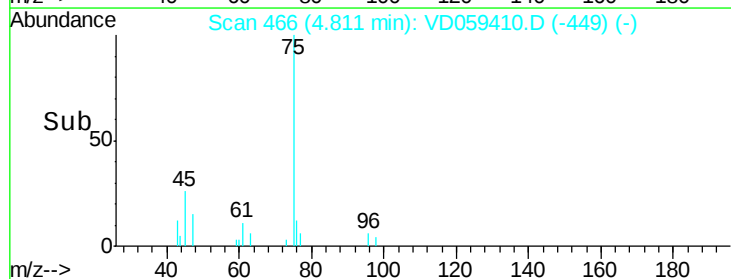
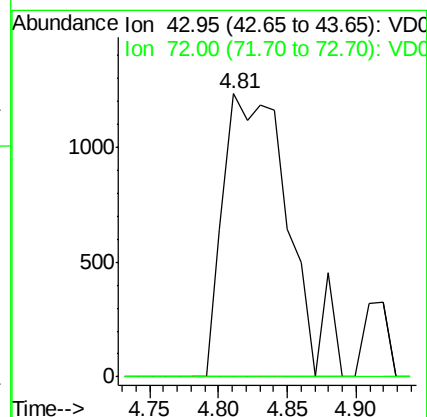
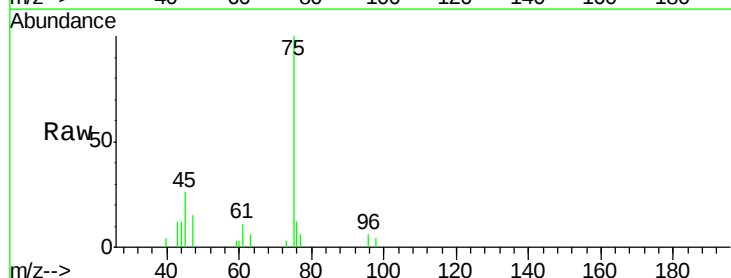
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-19-21-180620RE

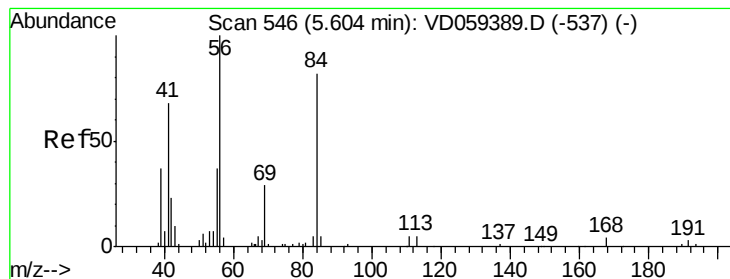
Tot Ion:	84	Resp:	28464
Ion	Ratio	Lower	Upper
84	100		
49	164.5	140.3	210.5
51	60.0	41.6	62.4
86	60.6	49.4	74.2



#25
2-Butanone
Concen: 2.061 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.04 min
Lab File: VD059410.D
Acq: 25 Jun 2018 20:30

Tgt Ion:	43	Resp:	4097
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	23.2#





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-19-21-180620RE

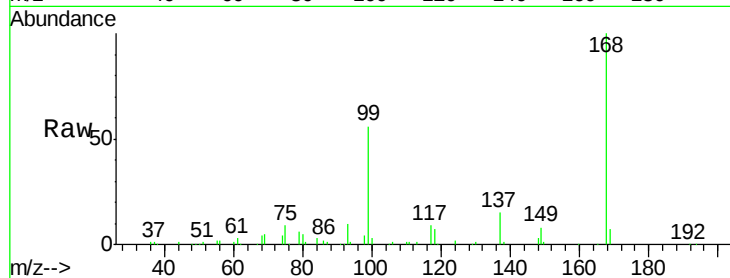
Tot Ion: 56 Resp: 14354

Ion Ratio Lower Upper

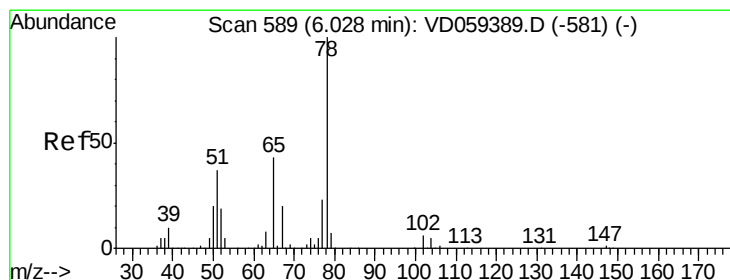
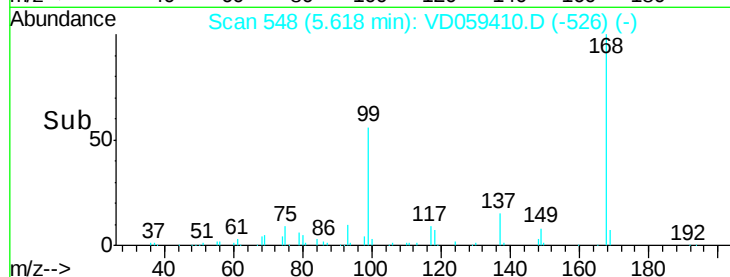
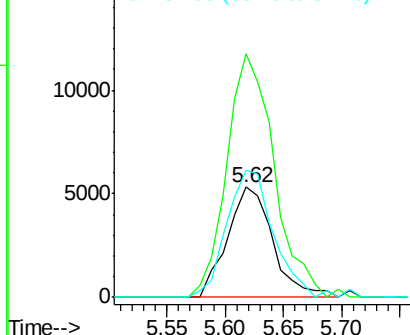
56 100

69 221.6 22.9 34.3#

84 115.7 67.3 100.9#



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: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059410.D

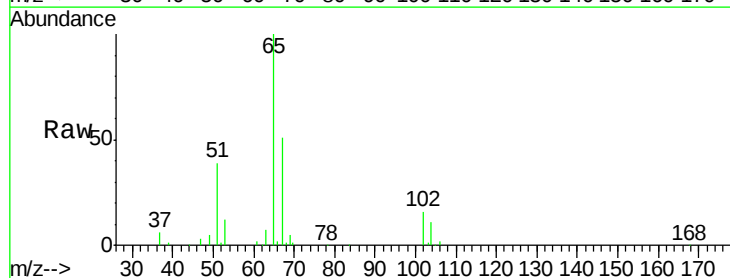
Acq: 25 Jun 2018 20:30

Tgt Ion: 65 Resp: 308268

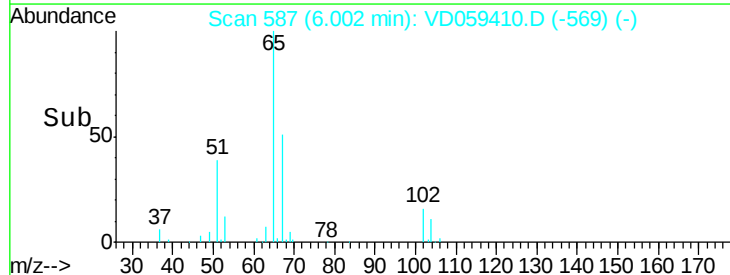
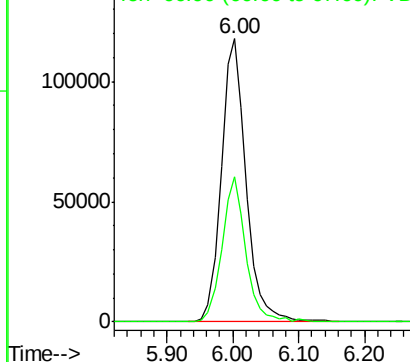
Ion Ratio Lower Upper

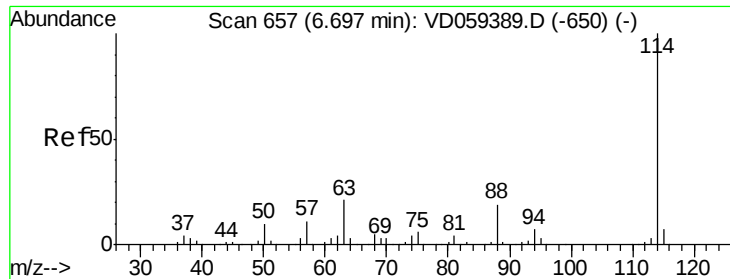
65 100

67 51.5 0.0 93.8



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

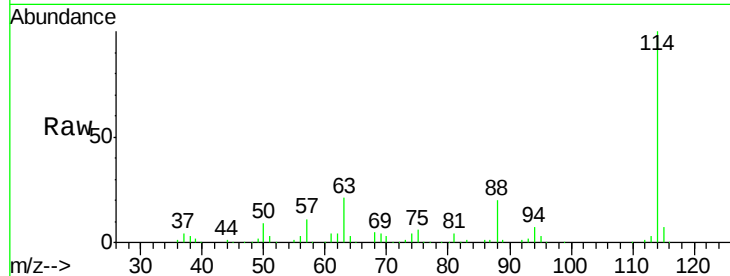




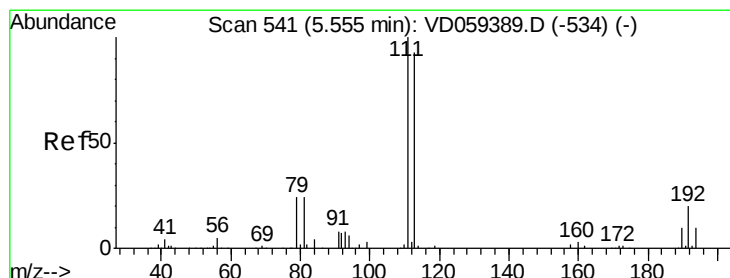
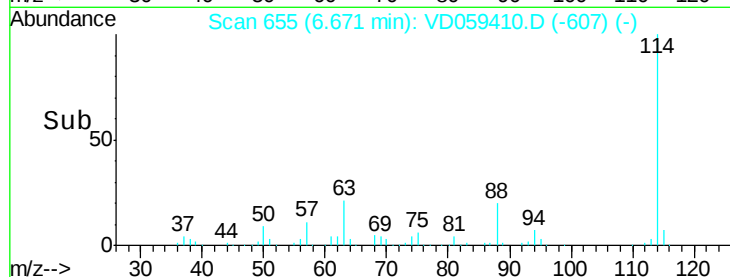
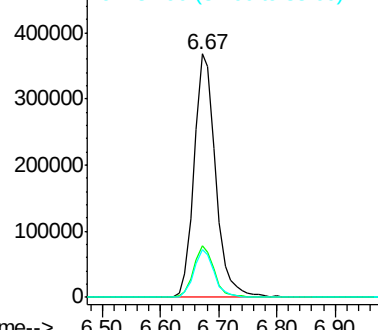
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD059410.D
 Acq: 25 Jun 2018 20:30

Instrument :
 MSVOA_D
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Tot Ion:114 Resp: 943798
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 19.7 0.0 38.0

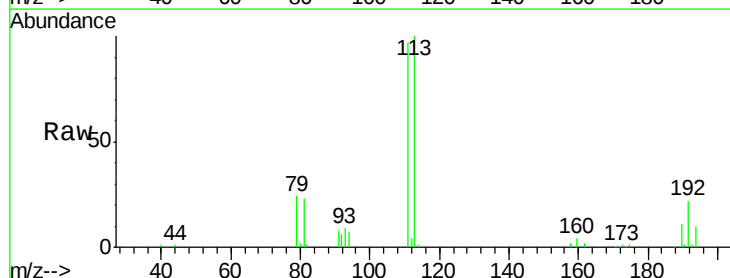


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

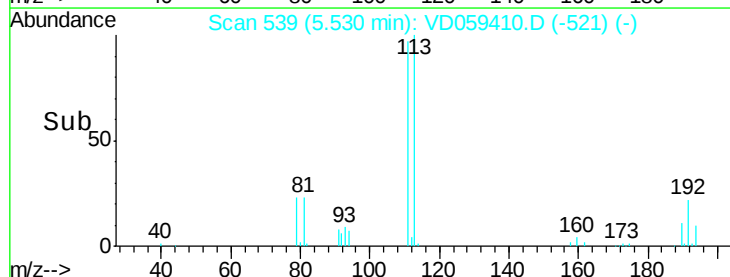
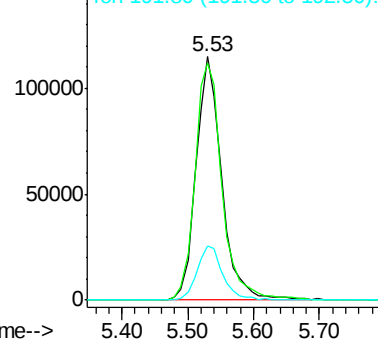


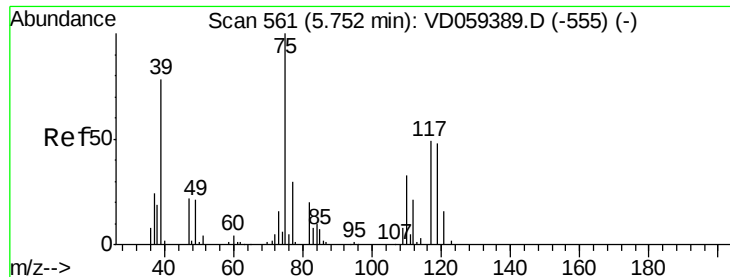
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD059410.D
 Acq: 25 Jun 2018 20:30

Tgt Ion:113 Resp: 312147
 Ion Ratio Lower Upper
 113 100
 111 97.4 85.7 128.5
 192 22.2 16.9 25.3



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: 6.890 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-19-21-180620RE

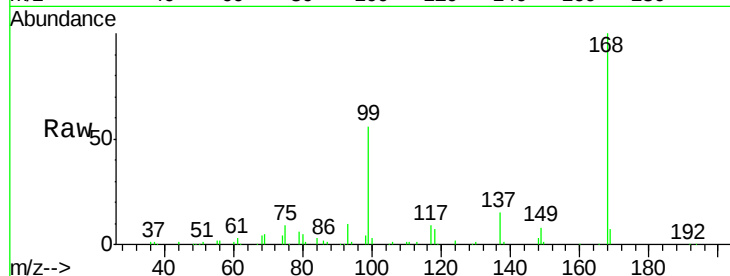
Tot Ion: 75 Resp: 58990

Ion Ratio Lower Upper

75 100

110 6.7 16.1 48.2#

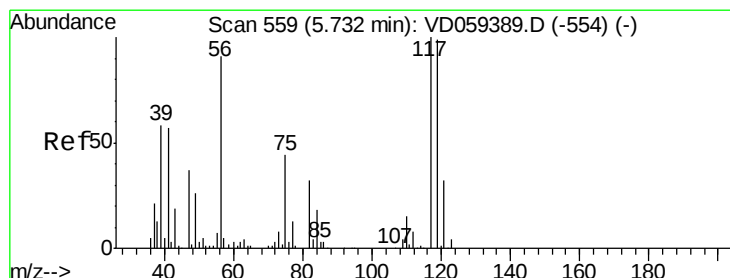
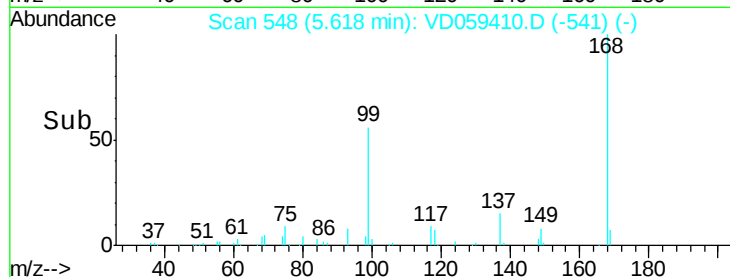
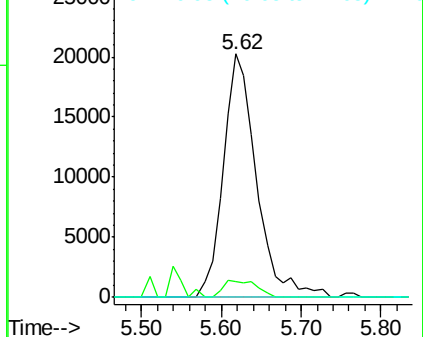
77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.946 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

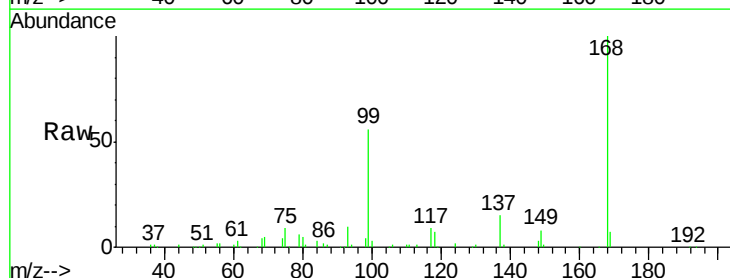
Tgt Ion: 117 Resp: 61312

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

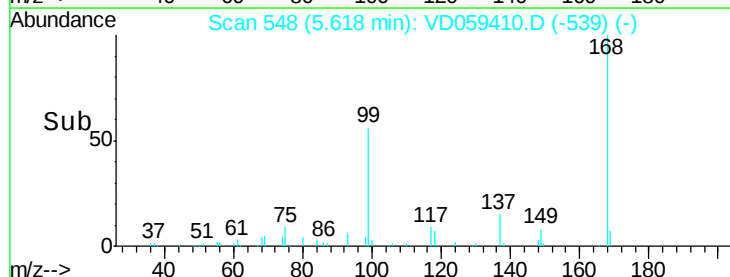
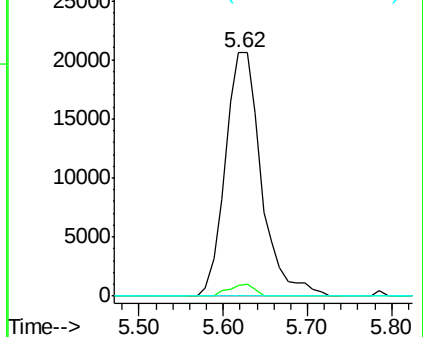
121 0.0 25.0 37.4#

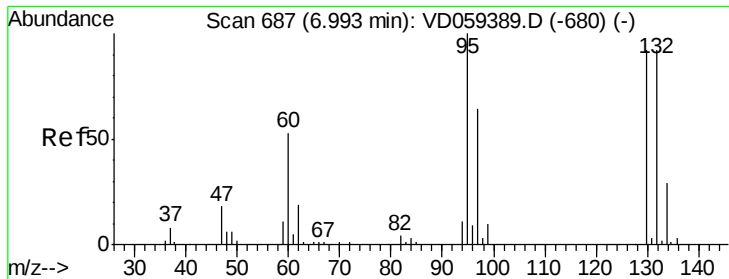


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#44

Trichloroethene

Concen: 99.299 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

Instrument :

MSVOA_D

ClientSampleId :

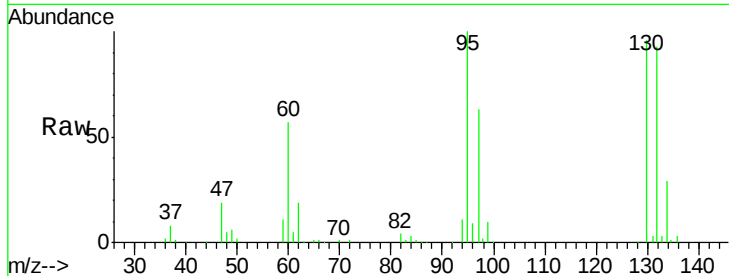
WP021SB484-19-21-180620RE

Tot Ion:130 Resp: 668004

Ion Ratio Lower Upper

130 100

95 103.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

6.97

300000

250000

200000

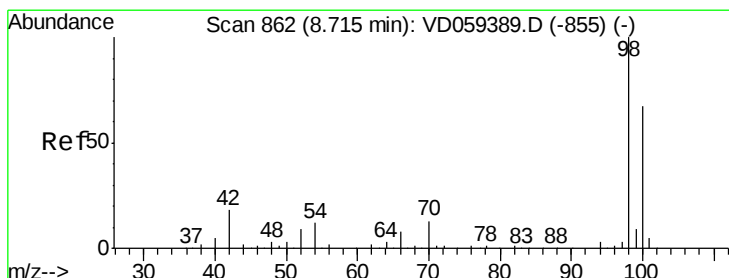
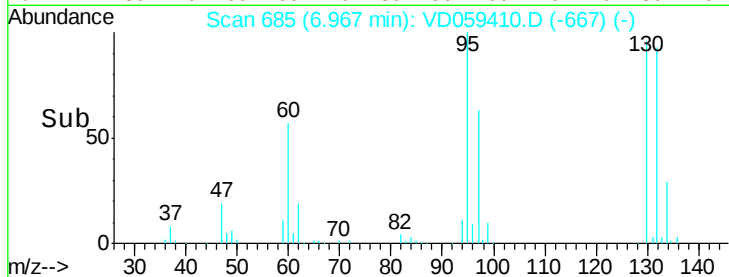
150000

100000

50000

0

Time--> 6.80 6.90 7.00 7.10



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059410.D

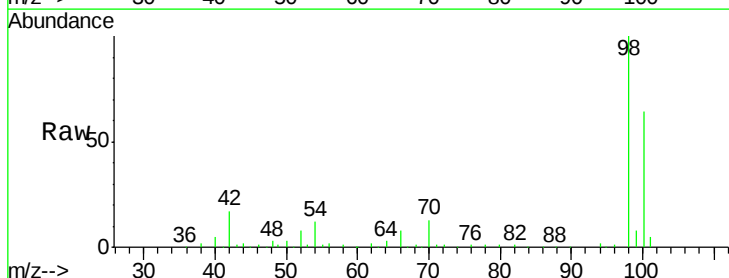
Acq: 25 Jun 2018 20:30

Tgt Ion: 98 Resp: 687742

Ion Ratio Lower Upper

98 100

100 64.1 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.69

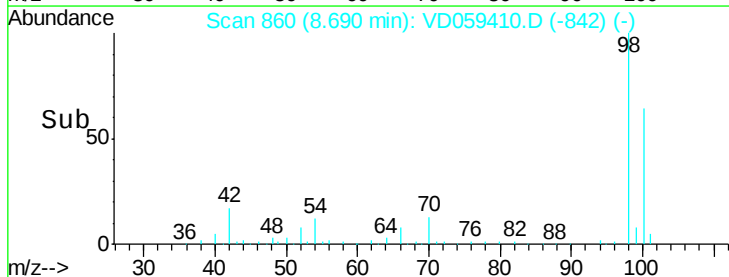
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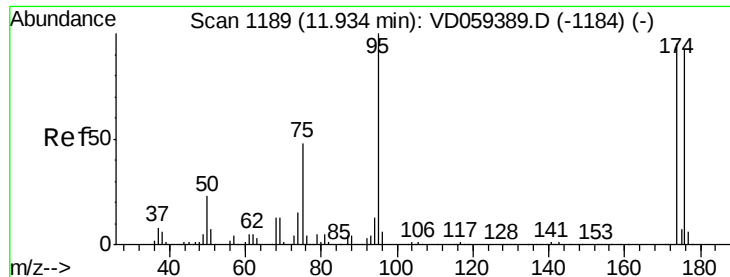
200000

100000

0

Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.02 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-19-21-180620RE

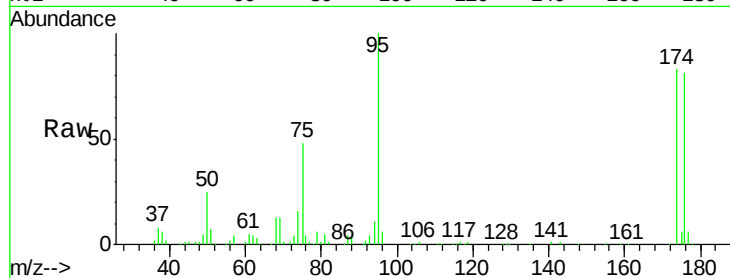
Tot Ion: 95 Resp: 327338

Ion Ratio Lower Upper

95 100

174 83.0 0.0 190.4

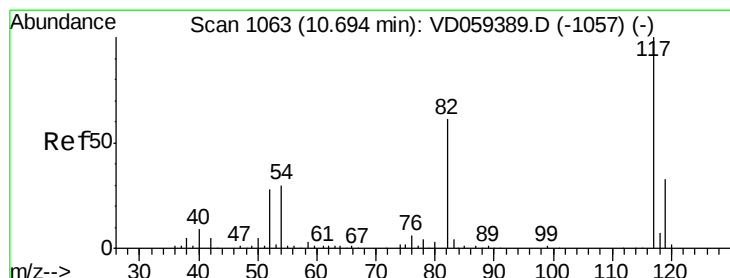
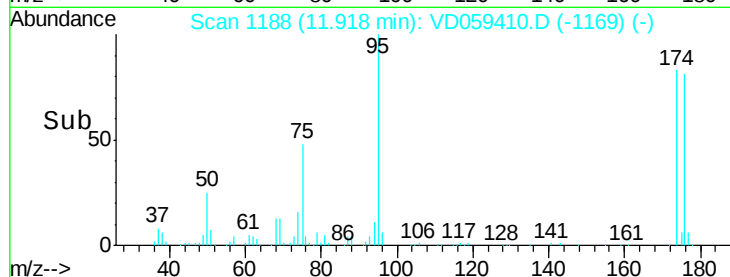
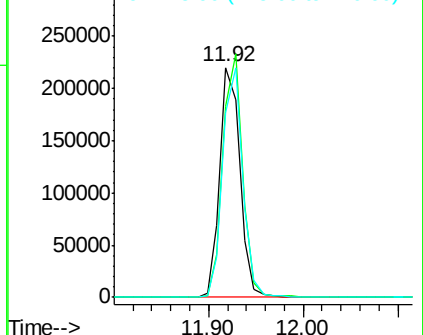
176 80.7 0.0 183.2



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: 10.68 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

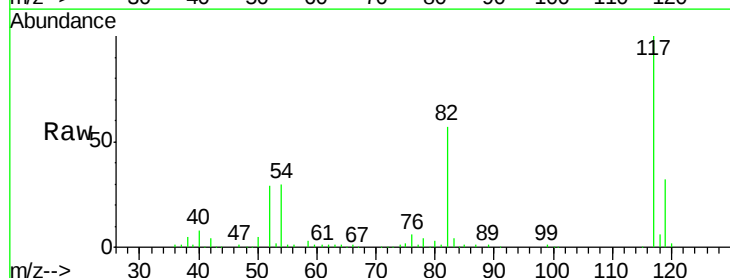
Tgt Ion: 117 Resp: 823847

Ion Ratio Lower Upper

117 100

82 56.8 49.0 73.6

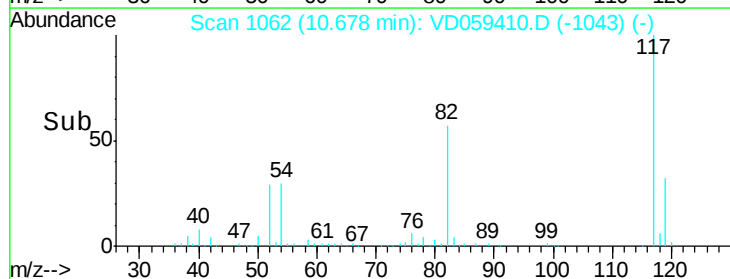
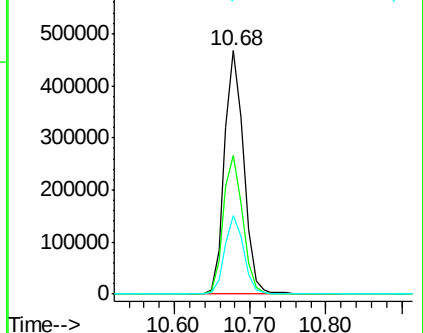
119 32.2 26.2 39.4

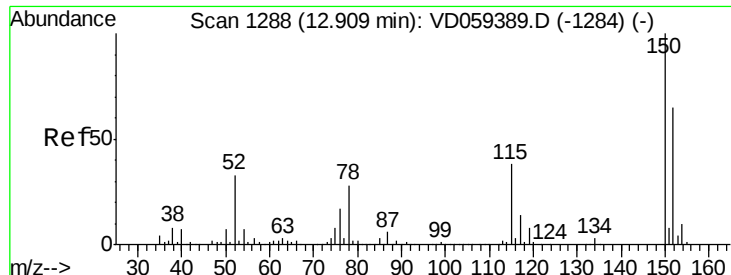


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-19-21-180620RE

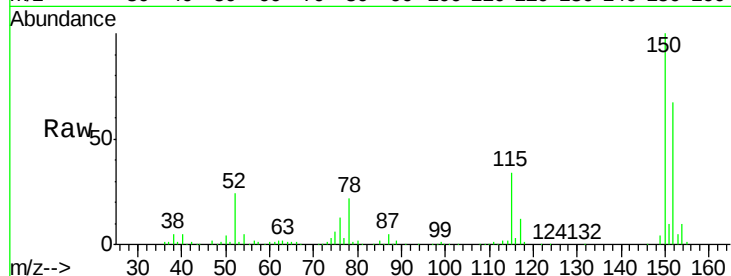
Tot Ion:152 Resp: 447464

Ion Ratio Lower Upper

152 100

115 51.2 29.4 88.3

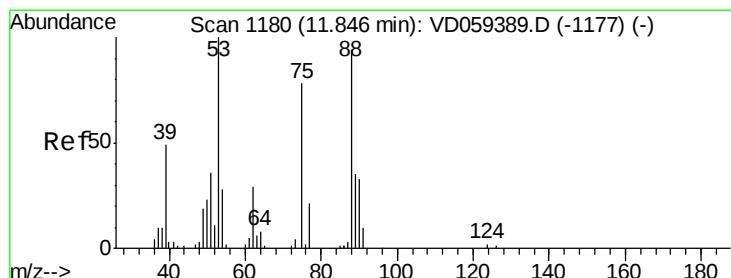
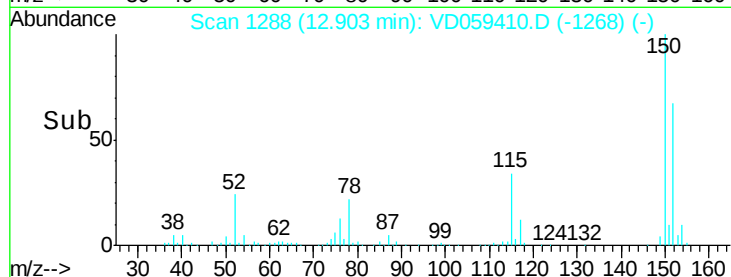
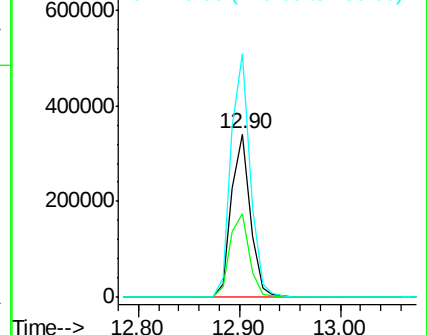
150 149.1 0.0 308.2



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: 110.508 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059410.D

Acq: 25 Jun 2018 20:30

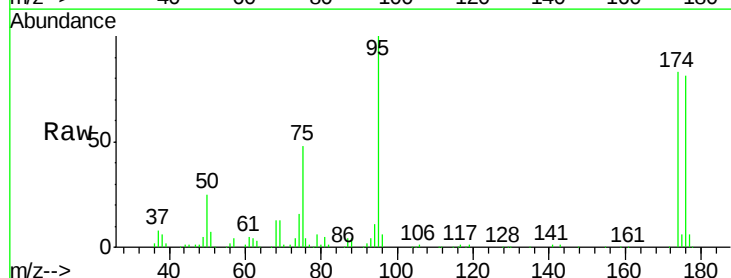
Tgt Ion: 75 Resp: 155027

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

