

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059593.D
 Acq On : 25 Jul 2018 17:01
 Operator : VA/AP
 Sample : J4026-01RE
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC068-S-180716

Quant Time: Jul 26 04:29:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	101648	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	133846	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	108016	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	51825	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	81710	63.94	ug/l	0.02
Spiked Amount			Recovery	=	127.88%	
35) Dibromofluoromethane	5.52	113	66426	57.85	ug/l	0.02
Spiked Amount			Recovery	=	115.70%	
50) Toluene-d8	8.69	98	131983	50.68	ug/l	0.02
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.92	95	56894	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

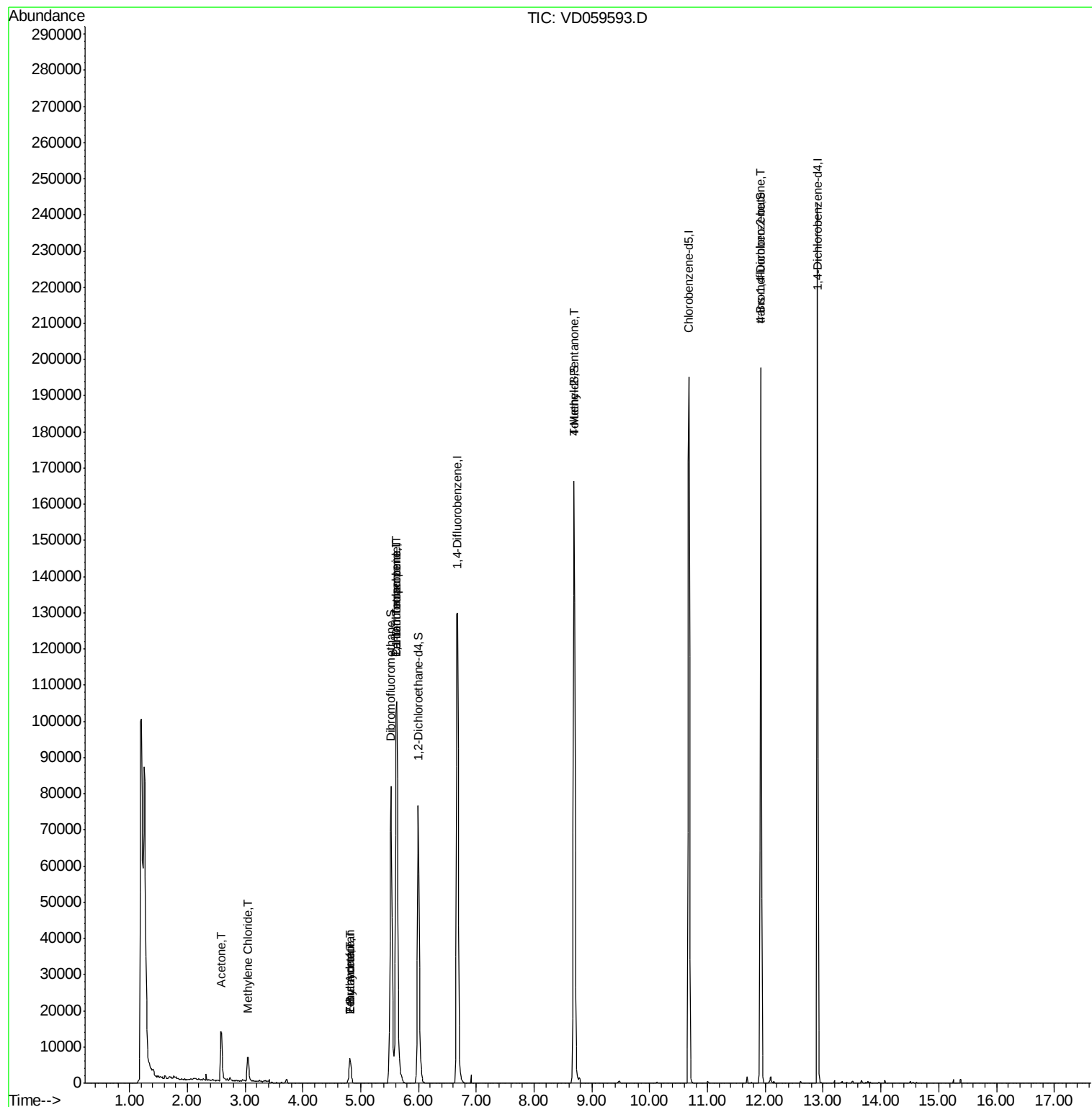
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	24064	124.69	ug/l	96
20) Methylene Chloride	3.05	84	3240	5.89	ug/l #	74
25) 2-Butanone	4.82	43	9563	32.49	ug/l	99
29) Tetrahydrofuran	4.82	42	384	2.82	ug/l #	1
31) Cyclohexane	5.62	56	2270	Below Cal	#	6
36) 1,1-Dichloropropene	5.61	75	8338	6.21	ug/l #	43
37) Ethyl Acetate	4.82	43	9563	13.84	ug/l #	71
38) Carbon Tetrachloride	5.61	117	10372	5.64	ug/l #	14
51) 4-Methyl-2-Pentanone	8.69	43	719	1.12	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	31425	143.42	ug/l #	1

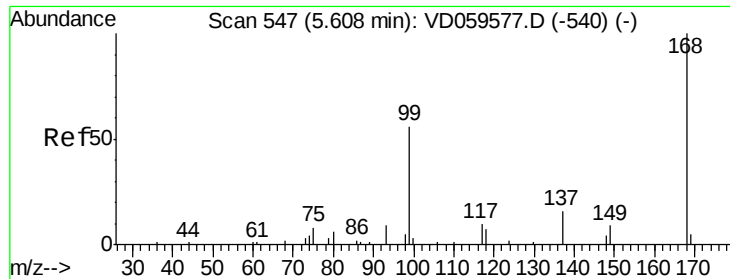
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

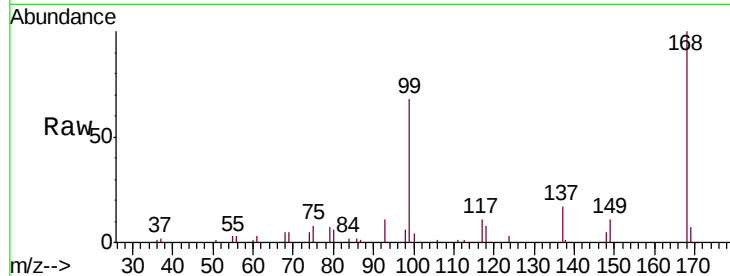
KY030LC068-S-180716

Tot Ion:168 Resp: 101648

Ion Ratio Lower Upper

168 100

99 68.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

30000

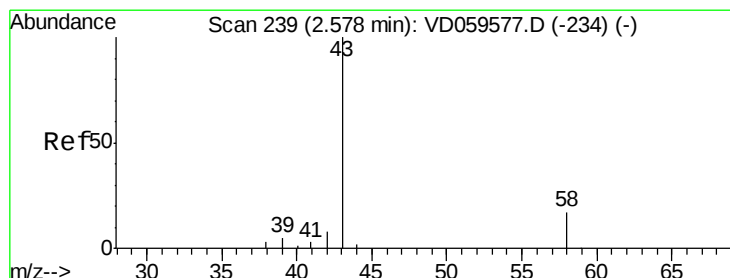
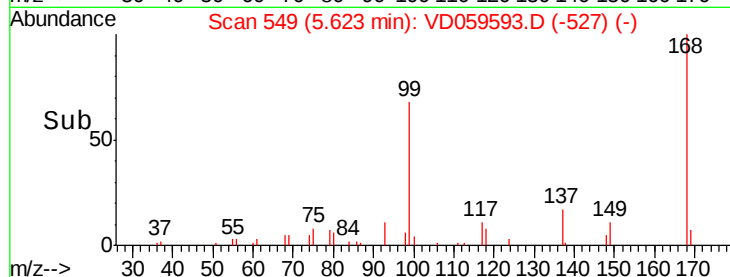
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 124.69 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059593.D

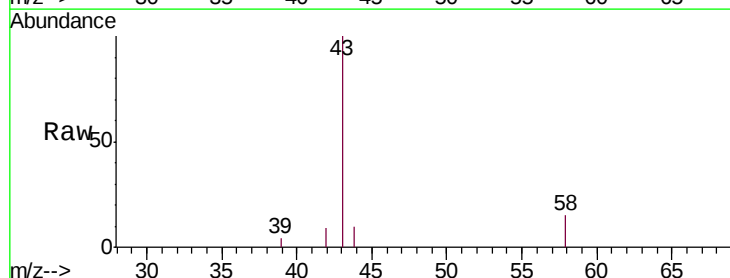
Acq: 25 Jul 2018 17:01

Tgt Ion: 43 Resp: 24064

Ion Ratio Lower Upper

43 100

58 15.1 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

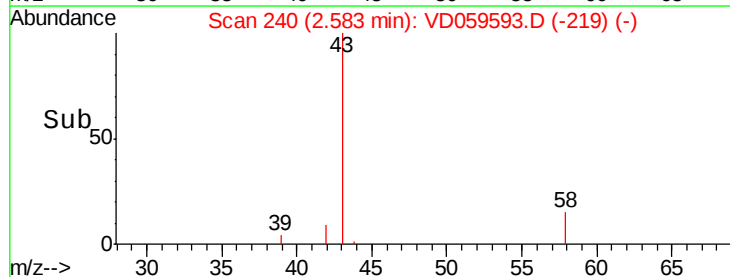
4000

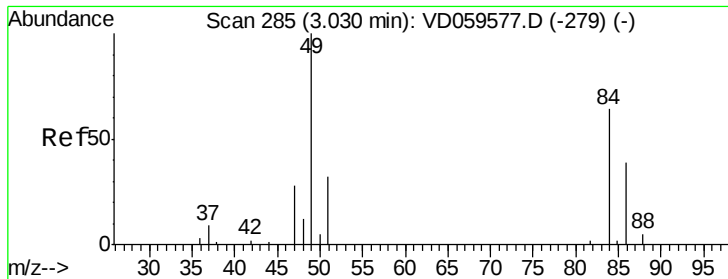
2000

0

Time-->

2.50 2.55 2.60 2.65 2.70

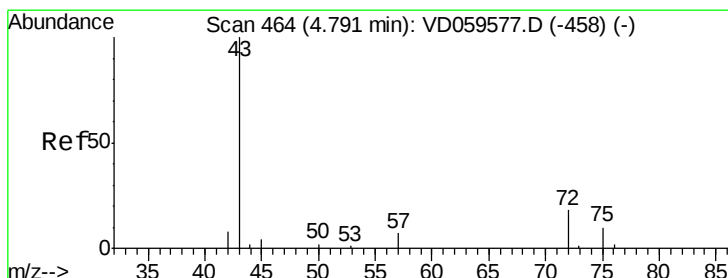
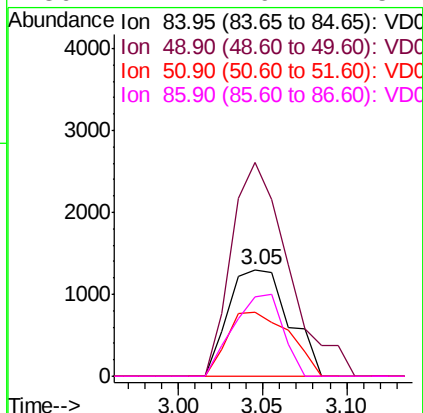
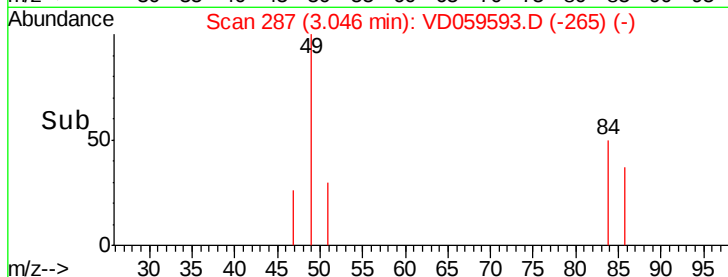
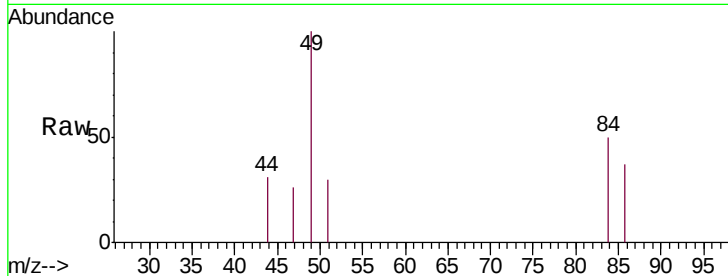




#20
Methvlene Chloride
Concen: 5.89 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

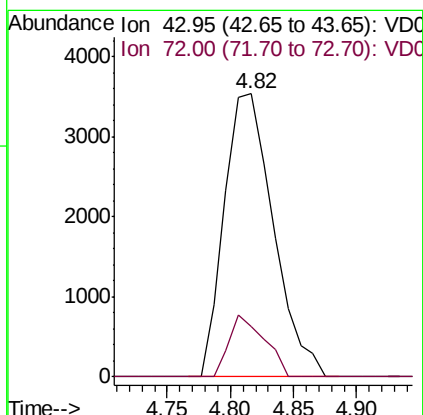
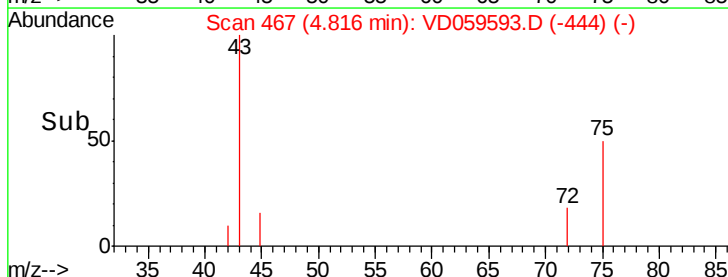
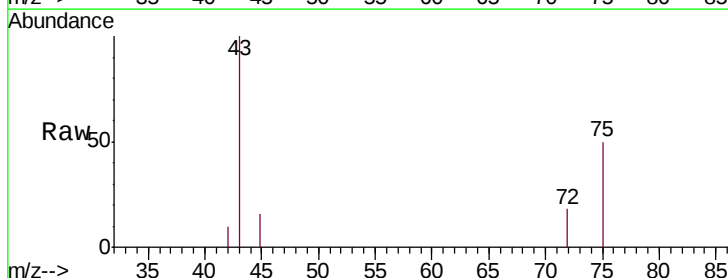
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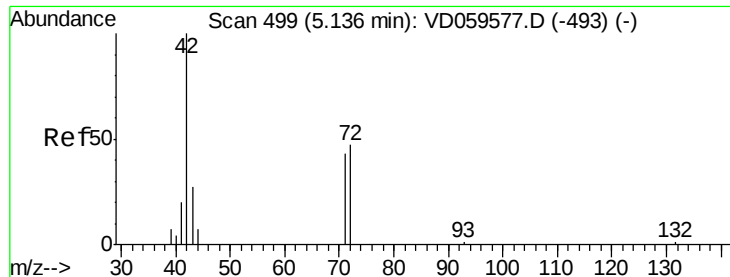
Tot Ion: 84 Resp: 3240
Ion Ratio Lower Upper
84 100
49 200.8 125.4 188.2#
51 60.5 39.7 59.5#
86 74.1 49.1 73.7#



#25
2-Butanone
Concen: 32.49 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.03 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

Tgt Ion: 43 Resp: 9563
Ion Ratio Lower Upper
43 100
72 17.9 14.7 22.1

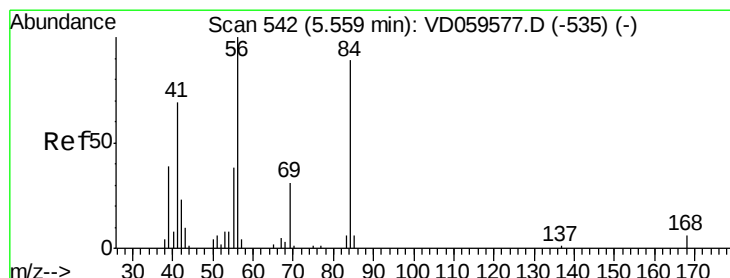
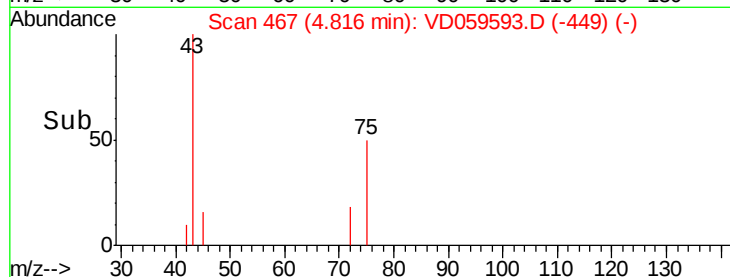
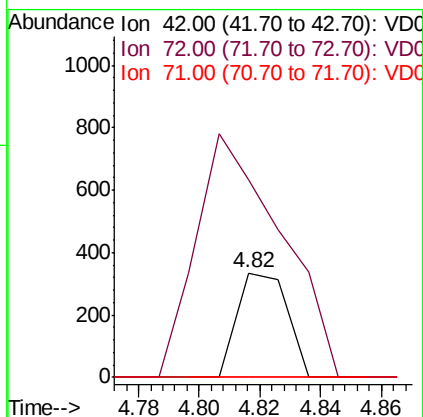
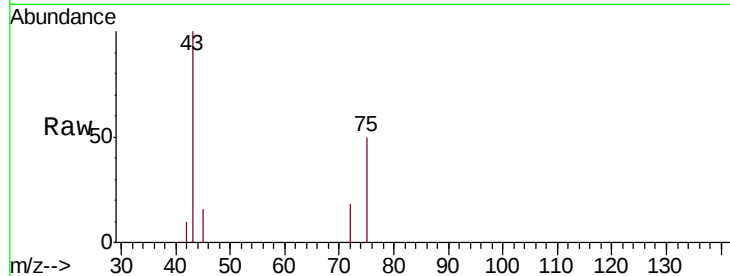




#29
Tetrahydrofuran
Concen: 2.82 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.32 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

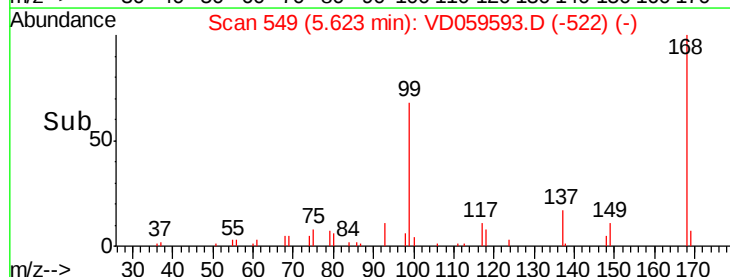
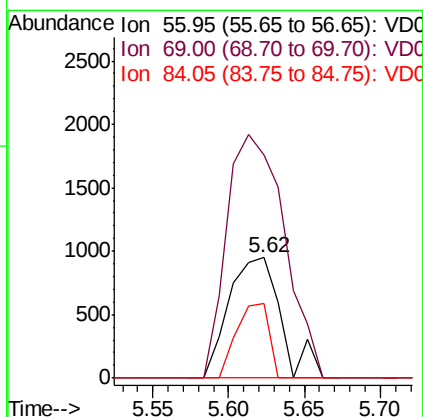
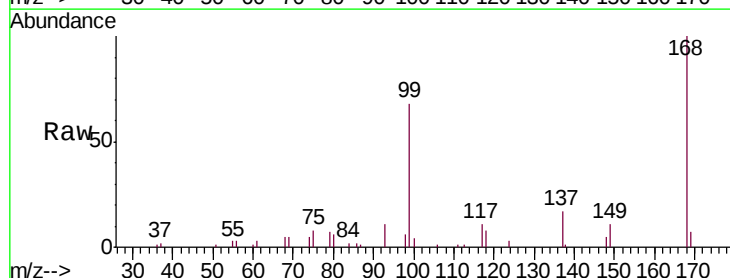
Instrument :
MSVOA_D
ClientSampleId :
KY030LC068-S-180716

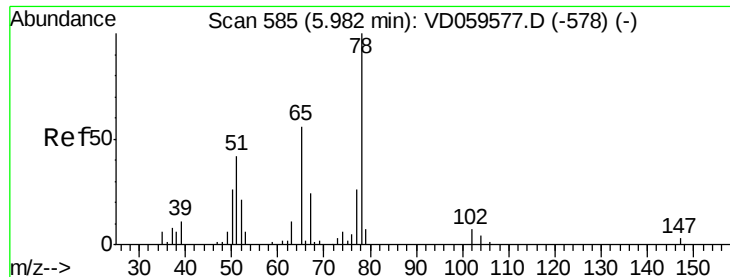
Tot Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 393.8 35.0 52.4#
71 0.0 34.2 51.2#



#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 549
Delta R.T. 0.06 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

Tgt Ion: 56 Resp: 2270
Ion Ratio Lower Upper
56 100
69 184.6 24.6 37.0#
84 61.7 72.7 109.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.02 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

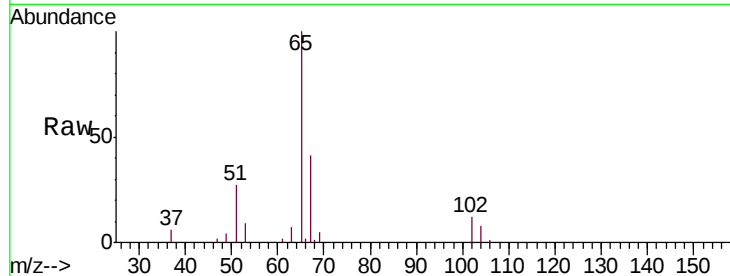
KY030LC068-S-180716

Tot Ion: 65 Resp: 81710

Ion Ratio Lower Upper

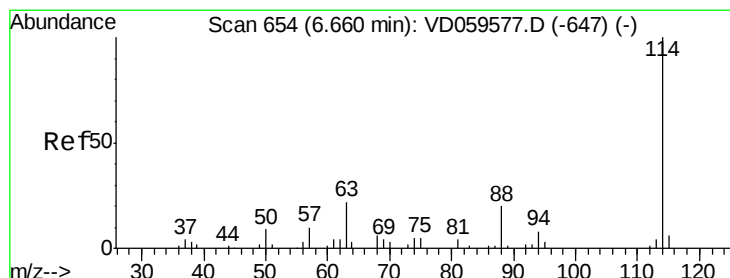
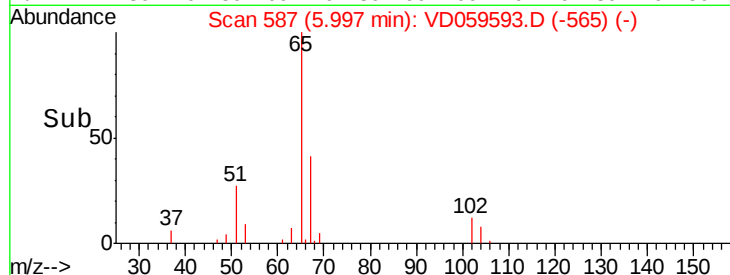
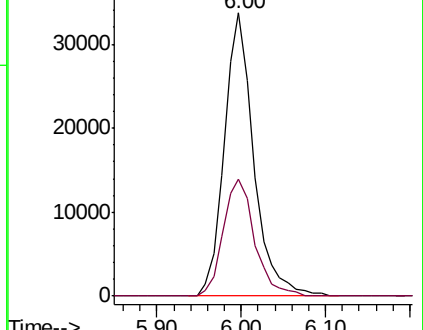
65 100

67 41.5 0.0 86.4



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: 6.68 min Scan# 656

Delta R.T. 0.02 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

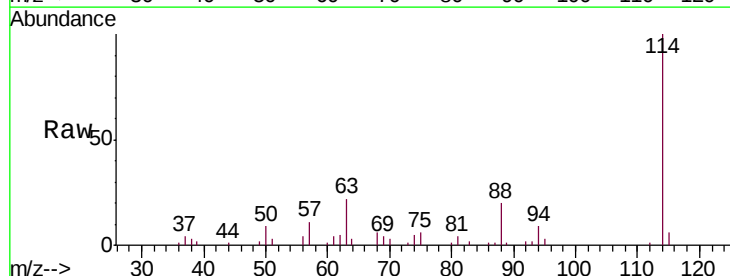
Tgt Ion: 114 Resp: 133846

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

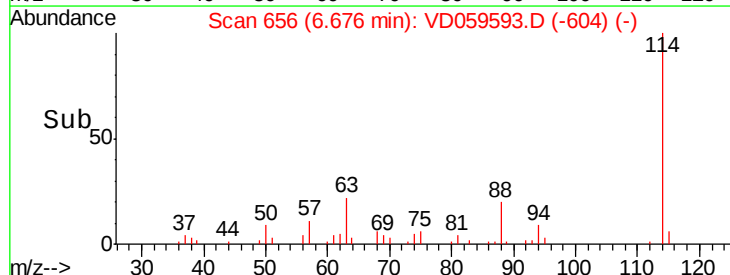
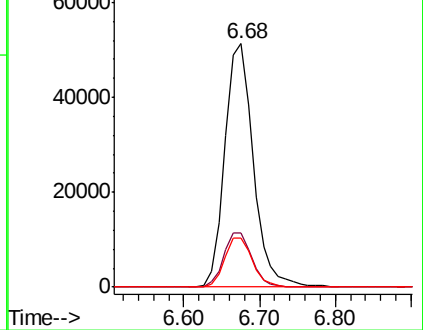
88 19.9 0.0 39.0

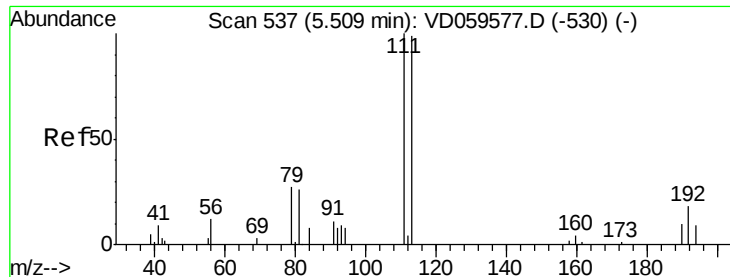


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

KY030LC068-S-180716

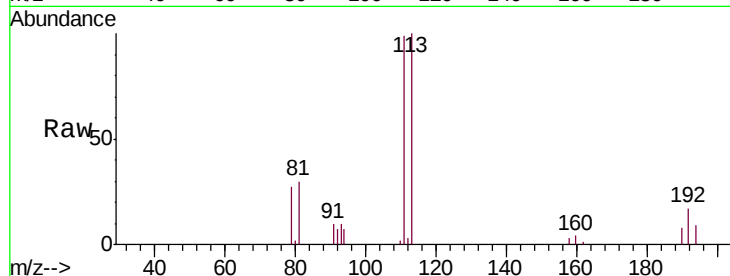
Tot Ion:113 Resp: 66426

Ion Ratio Lower Upper

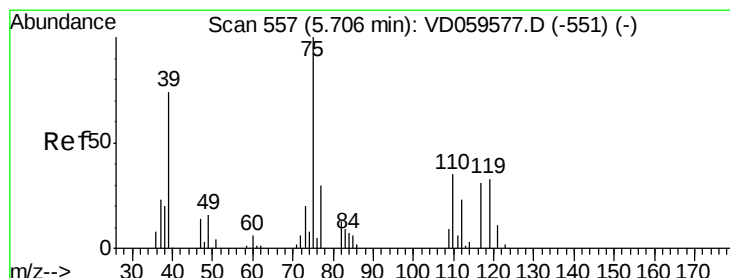
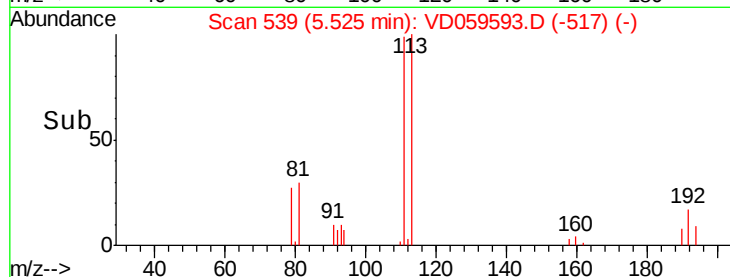
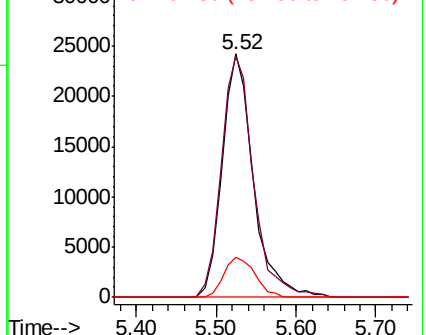
113 100

111 99.2 80.5 120.7

192 16.6 14.5 21.7



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: 6.21 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

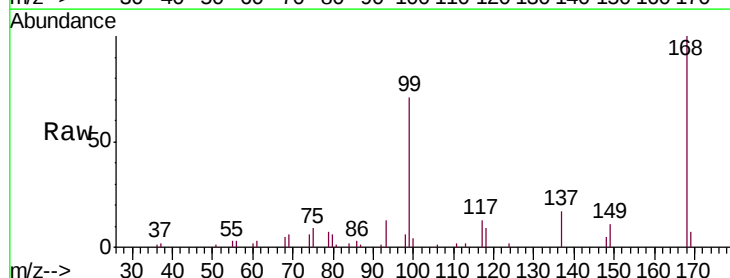
Tgt Ion: 75 Resp: 8338

Ion Ratio Lower Upper

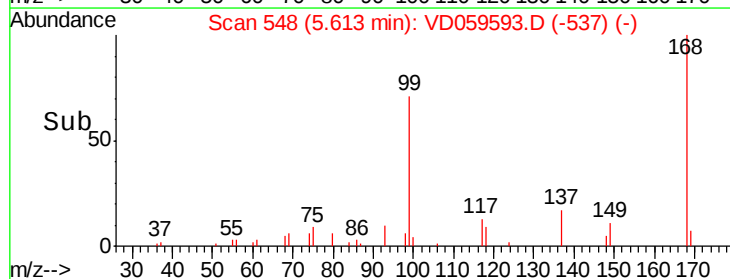
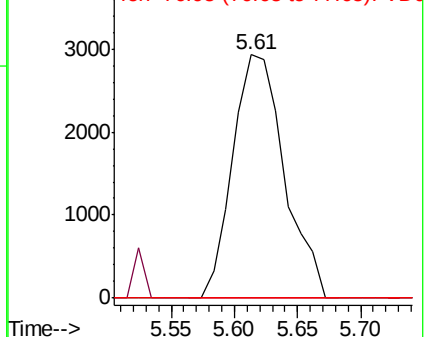
75 100

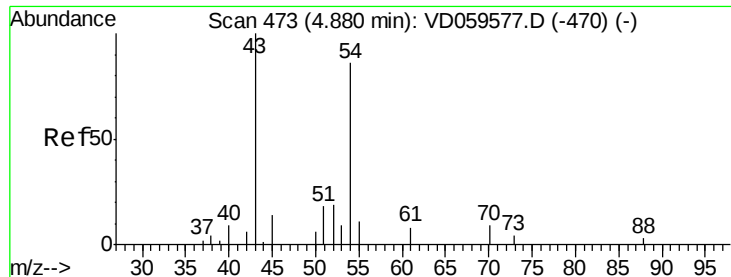
110 0.0 17.0 50.9#

77 0.0 23.6 35.4#



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





#37

Ethyl Acetate

Concen: 13.84 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.06 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

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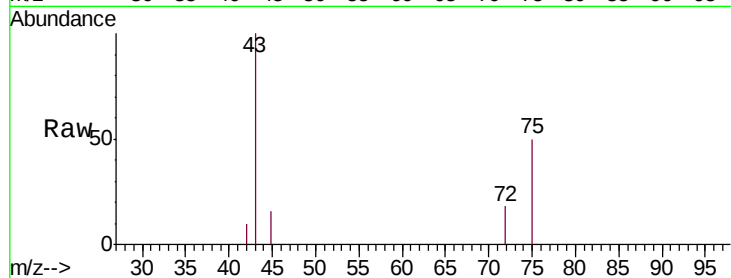
Tot Ion: 43 Resp: 9563

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

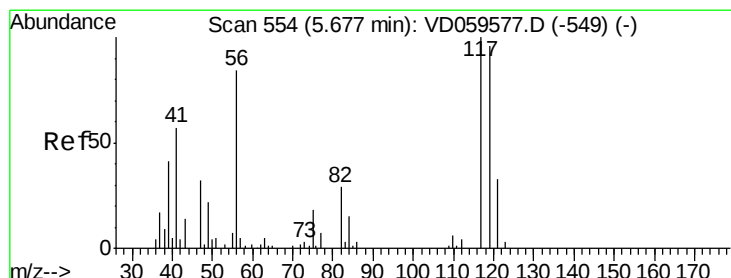
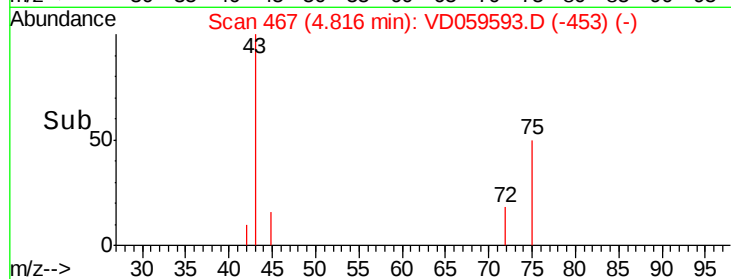
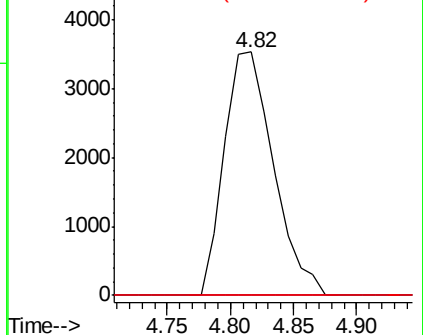
70 0.0 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.64 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

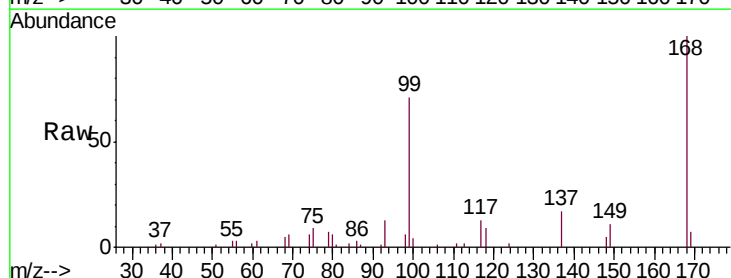
Tgt Ion: 117 Resp: 10372

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

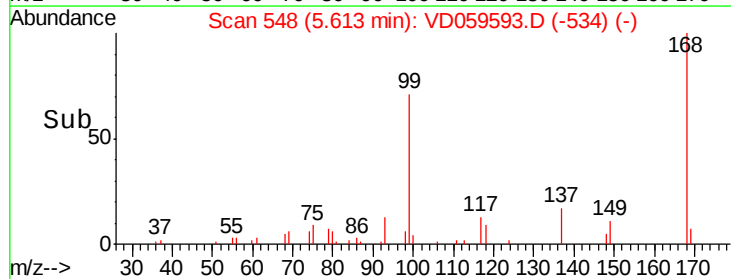
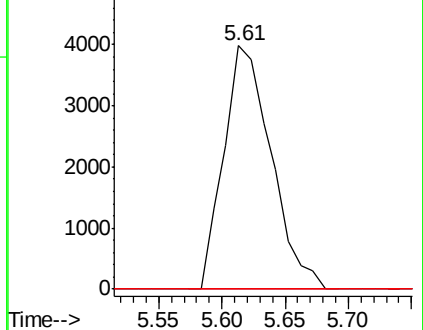
121 0.0 25.0 37.6#

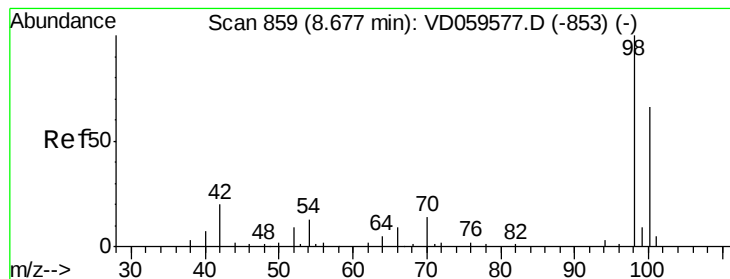


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.69 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

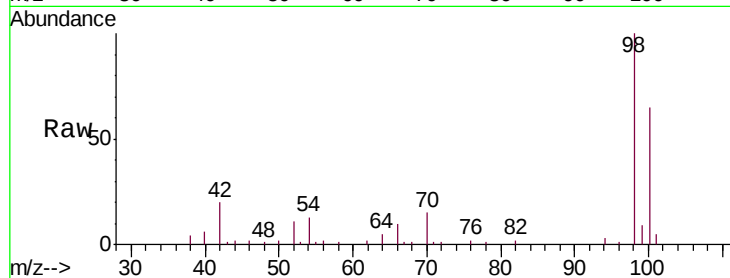
KY030LC068-S-180716

Tot Ion: 98 Resp: 131983

Ion Ratio Lower Upper

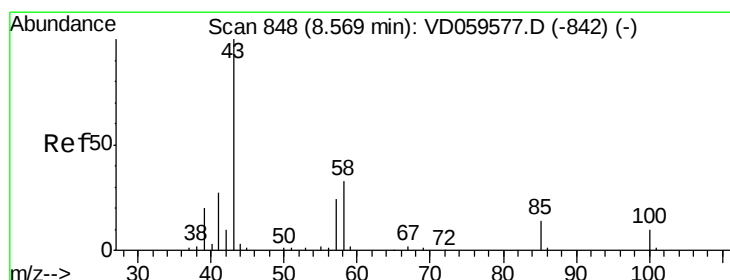
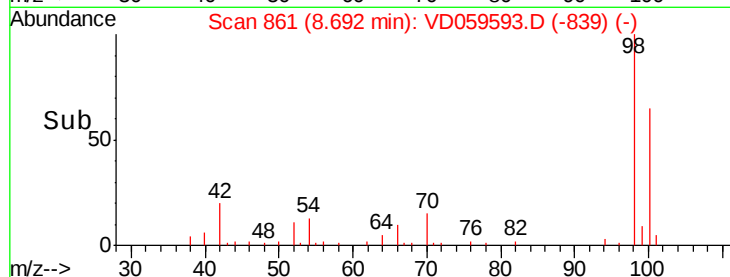
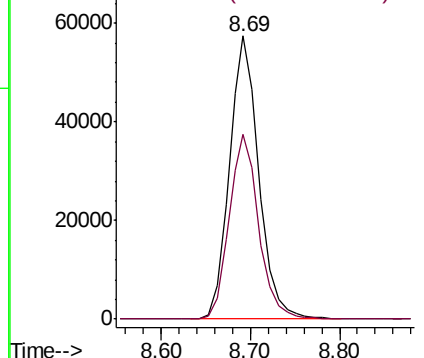
98 100

100 65.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.12 ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.12 min

Lab File: VD059593.D

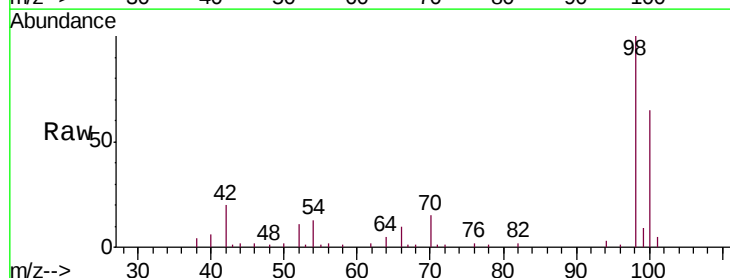
Acq: 25 Jul 2018 17:01

Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

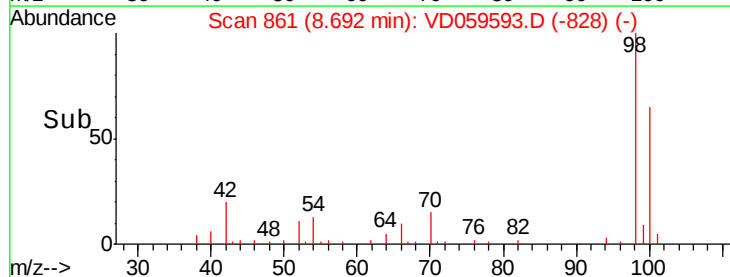
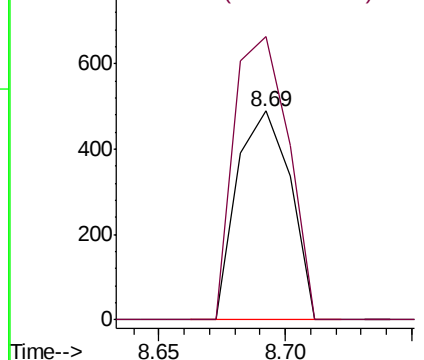
43 100

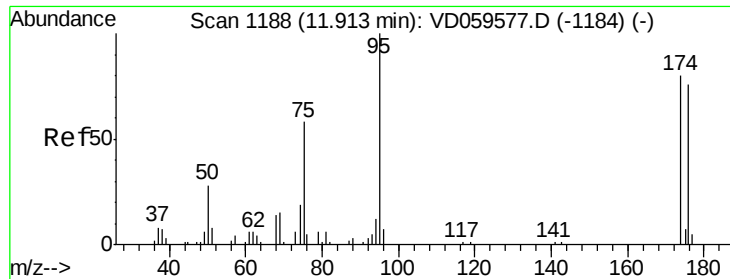
58 135.3 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

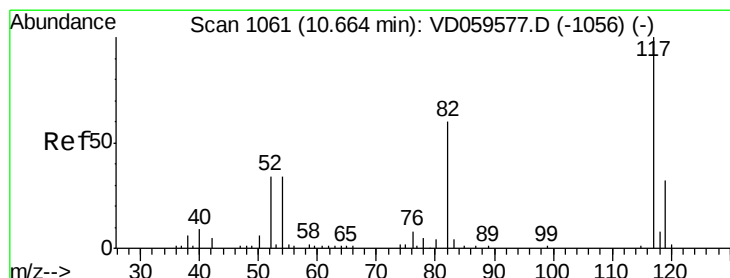
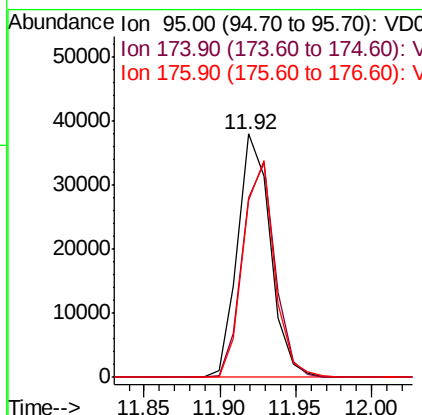
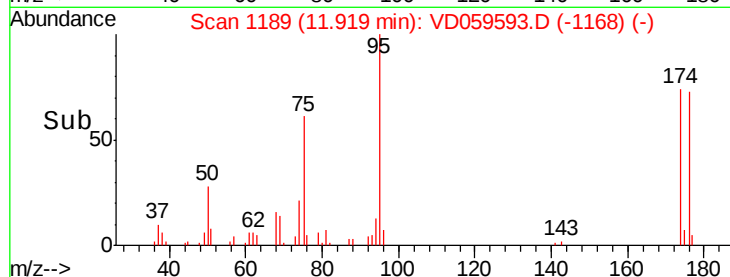
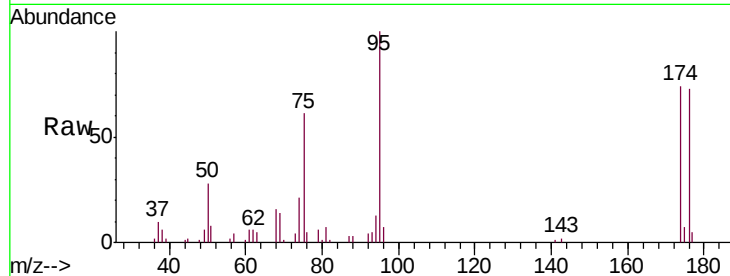




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

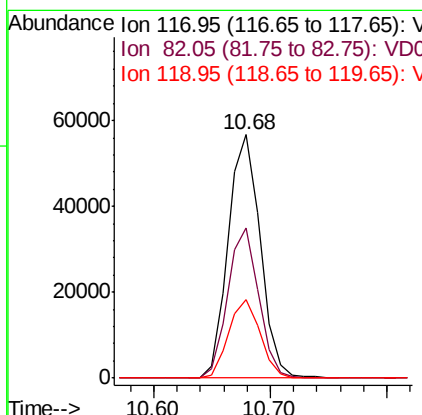
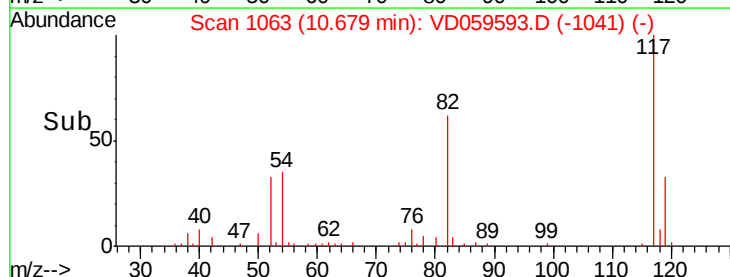
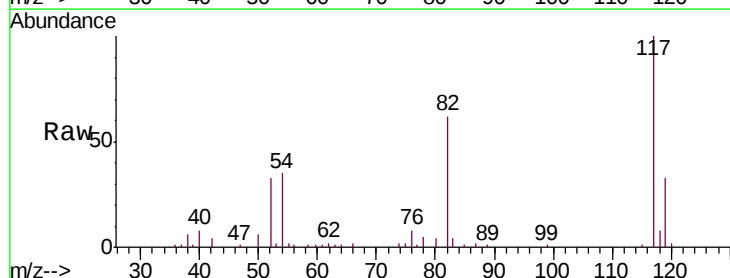
Instrument :
MSVOA_D
ClientSampleId :
KY030LC068-S-180716

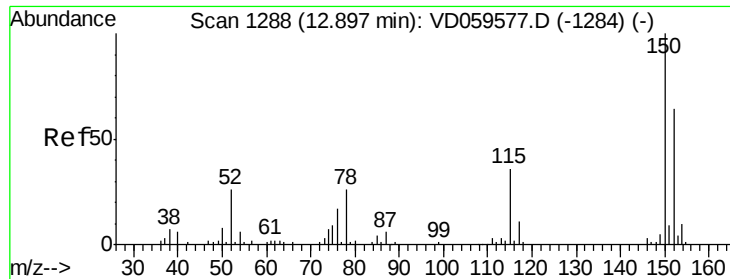
Tot Ion: 95 Resp: 56894
Ion Ratio Lower Upper
95 100
174 73.8 0.0 160.6
176 72.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059593.D
Acq: 25 Jul 2018 17:01

Tgt Ion: 117 Resp: 108016
Ion Ratio Lower Upper
117 100
82 61.9 48.2 72.2
119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

KY030LC068-S-180716

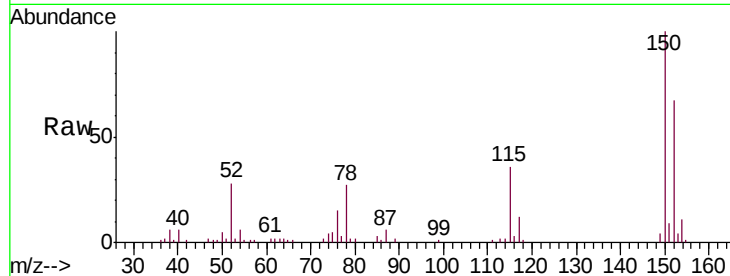
Tot Ion:152 Resp: 51825

Ion Ratio Lower Upper

152 100

115 53.8 29.5 88.6

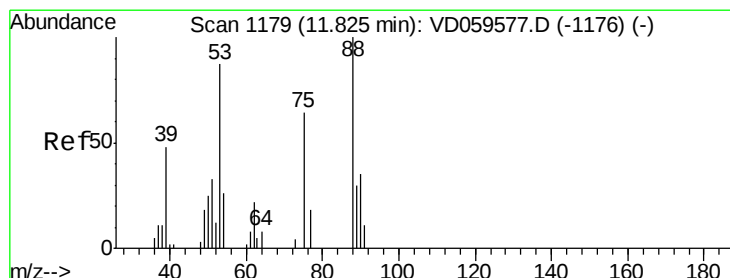
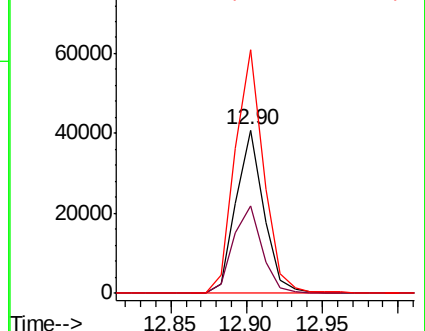
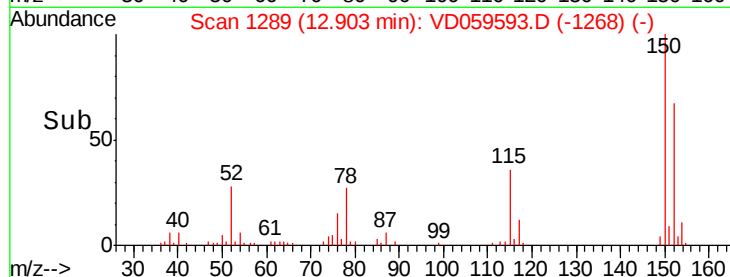
150 149.4 0.0 314.4



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: 143.42 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059593.D

Acq: 25 Jul 2018 17:01

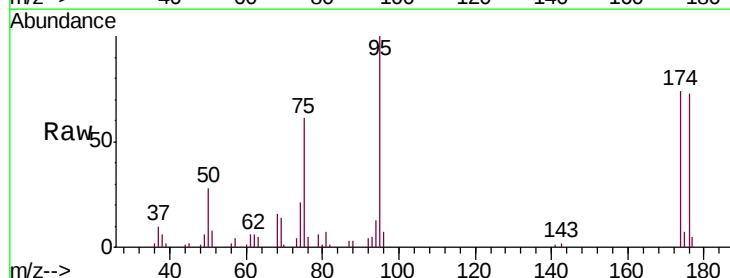
Tgt Ion: 75 Resp: 31425

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



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

