

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
 Data File : VD059724.D
 Acq On : 9 Aug 2018 19:17
 Operator : VA/AP
 Sample : J4388-01
 Misc : 3.83g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Quant Time: Aug 10 01:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	102091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	121736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	101490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	55494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	106222	80.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.78%	
35) Dibromofluoromethane	5.53	113	71871	65.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.46%	
50) Toluene-d8	8.70	98	117785	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.93	95	58693	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

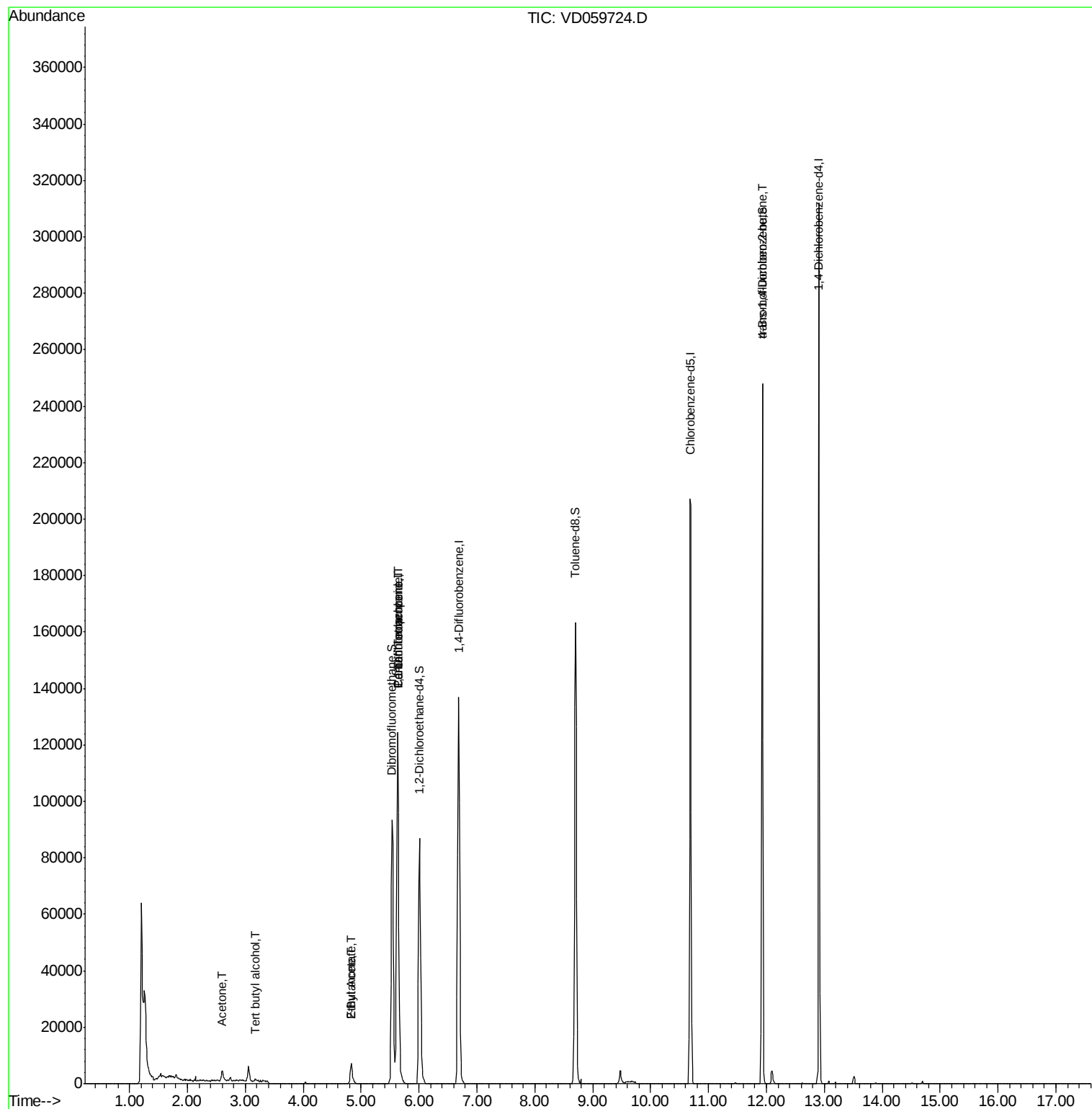
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.17	59	423	8.852	ug/l #	76
16) Acetone	2.59	43	7264	29.445	ug/l #	86
20) Methylene Chloride	3.06	84	2050	Below Cal	#	89
25) 2-Butanone	4.83	43	979	3.021	ug/l #	59
31) Cyclohexane	5.62	56	2710	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	10273	7.591	ug/l #	46
37) Ethyl Acetate	4.83	43	979	1.490	ug/l #	72
38) Carbon Tetrachloride	5.62	117	11255	6.214	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.93	75	37522	179.222	ug/l #	1

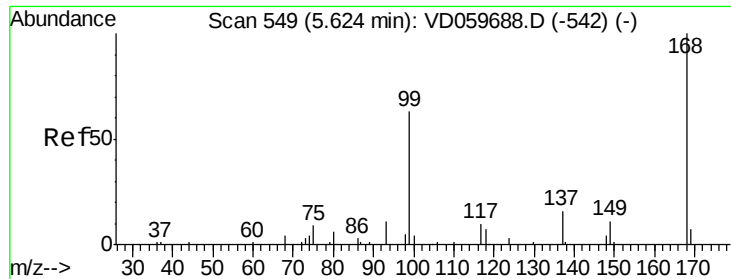
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Instrument :

MSVOA_D

ClientSampleId :

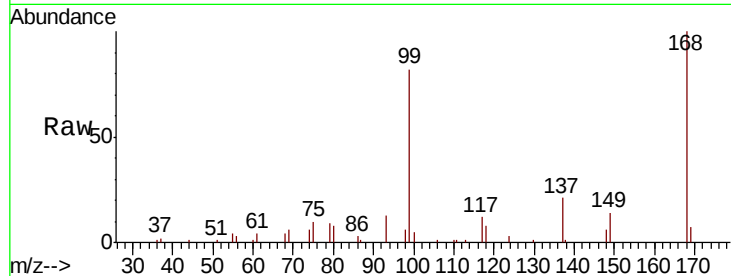
S-1A

Tgt Ion:168 Resp: 102091

Ion Ratio Lower Upper

168 100

99 81.6 53.4 80.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

40000

30000

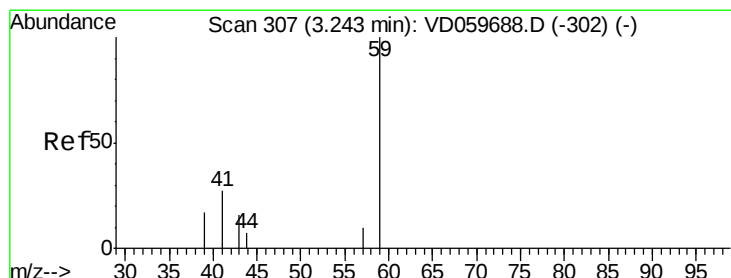
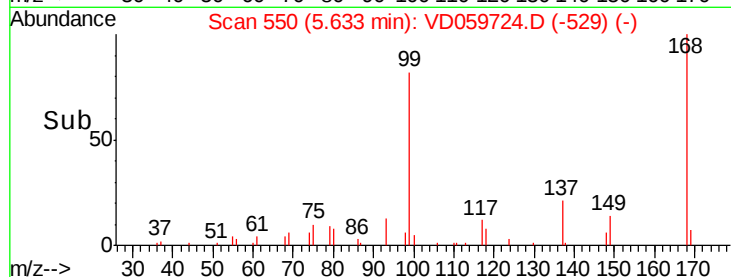
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 8.852 ug/l

RT: 3.17 min Scan# 300

Delta R.T. -0.07 min

Lab File: VD059724.D

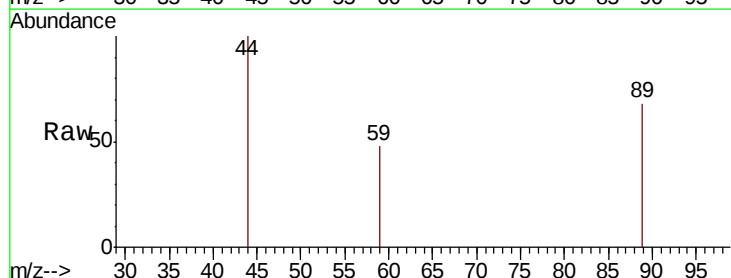
Acq: 9 Aug 2018 19:17

Tgt Ion: 59 Resp: 423

Ion Ratio Lower Upper

59 100

57 0.0 6.8 10.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.17

400

300

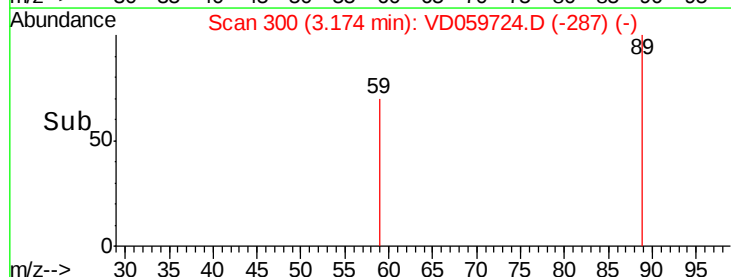
200

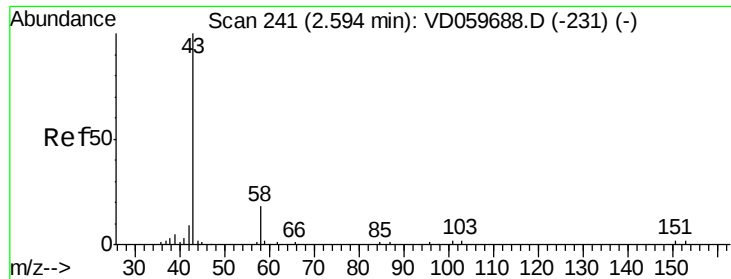
100

0

Time-->

3.12 3.14 3.16 3.18 3.20





#16

Acetone

Concen: 29.445 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Instrument :

MSVOA_D

ClientSampleId :

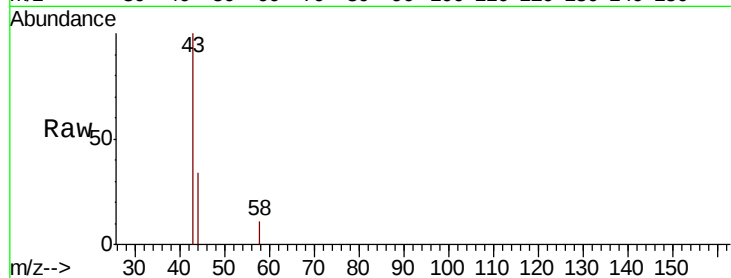
S-1A

Tgt Ion: 43 Resp: 7264

Ion Ratio Lower Upper

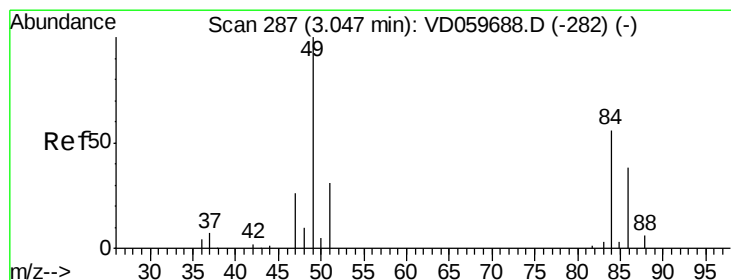
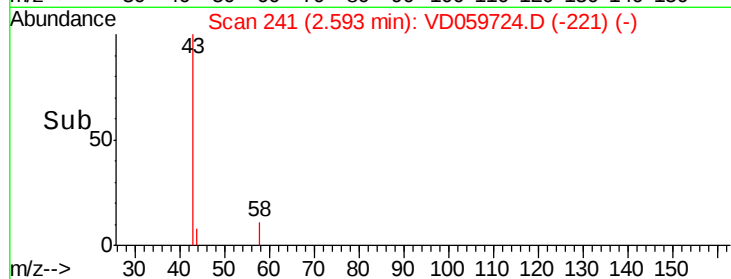
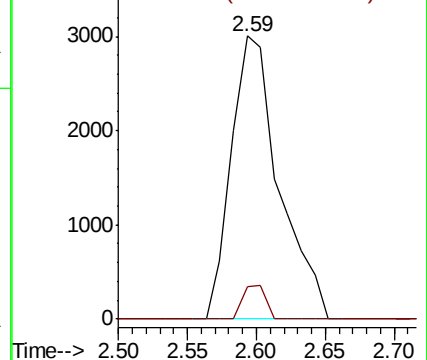
43 100

58 11.5 14.2 21.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Tgt Ion: 84 Resp: 2050

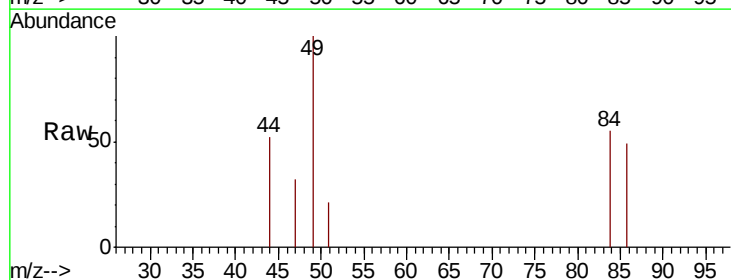
Ion Ratio Lower Upper

84 100

49 182.2 143.4 215.2

51 38.3 44.2 66.4#

86 89.2 55.0 82.6#

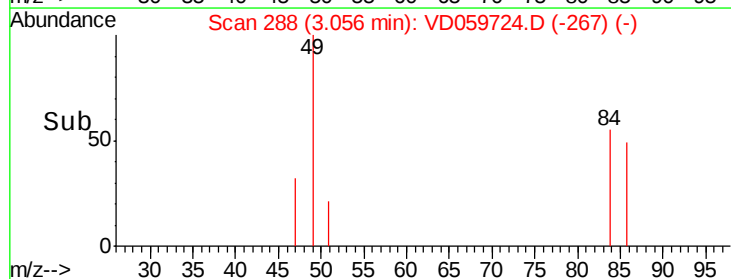
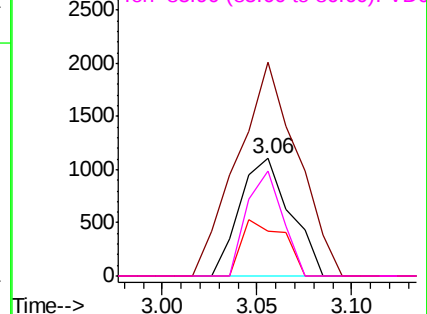


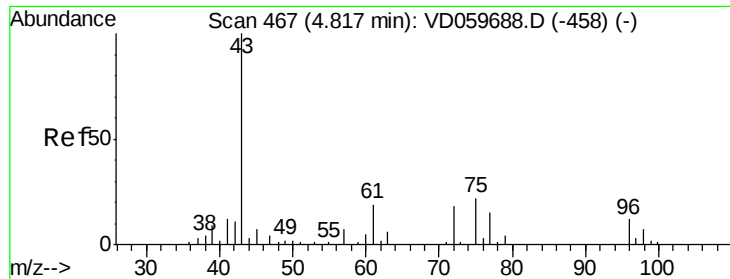
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 3.021 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Instrument :

MSVOA_D

ClientSampled :

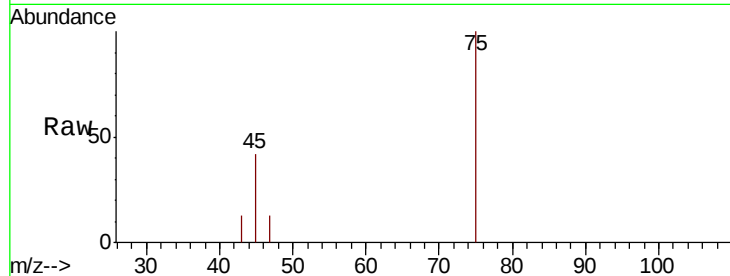
S-1A

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.83

600

500

400

300

200

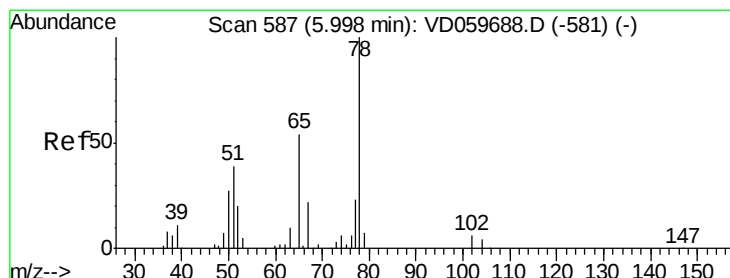
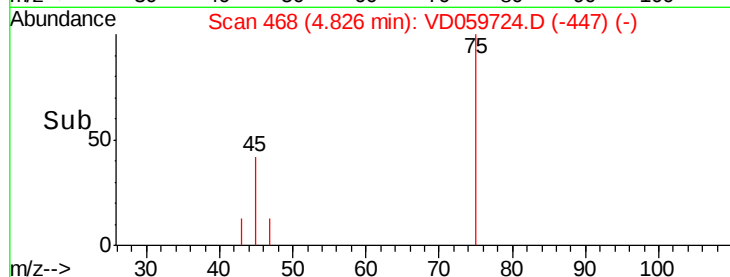
100

0

4.80

4.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059724.D

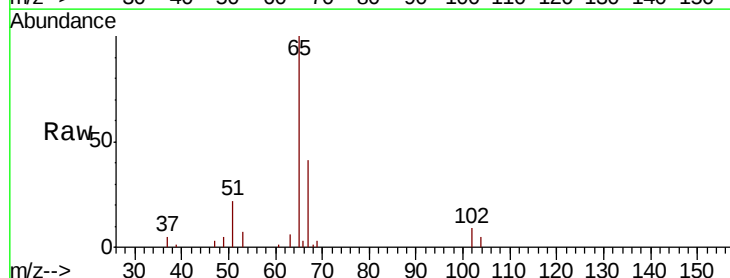
Acq: 9 Aug 2018 19:17

Tgt Ion: 65 Resp: 106222

Ion Ratio Lower Upper

65 100

67 40.8 0.0 80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

40000

30000

20000

10000

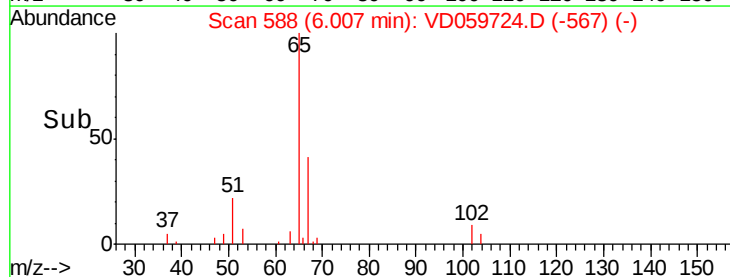
0

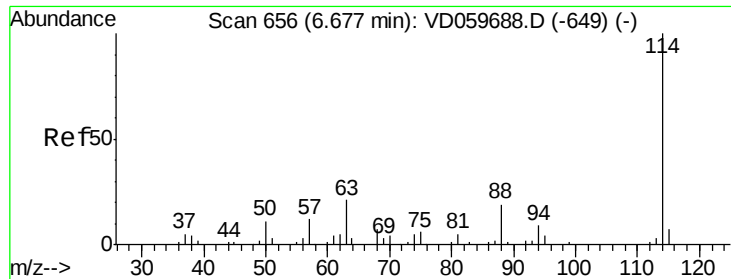
5.90

6.00

6.10

Time-->

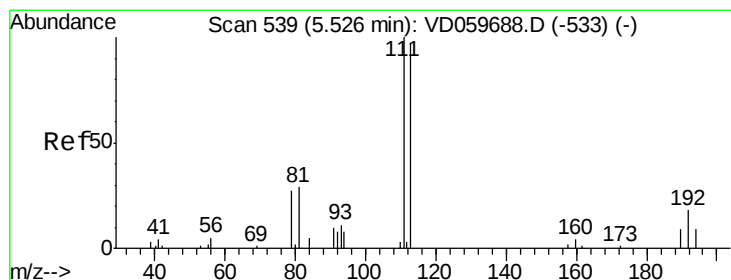
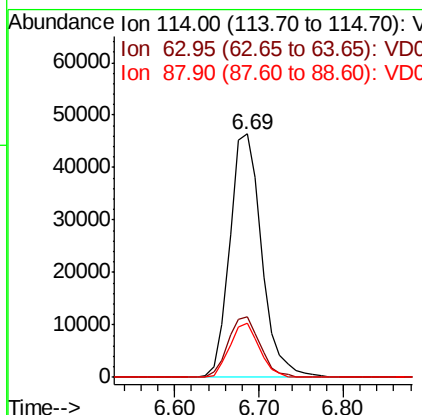
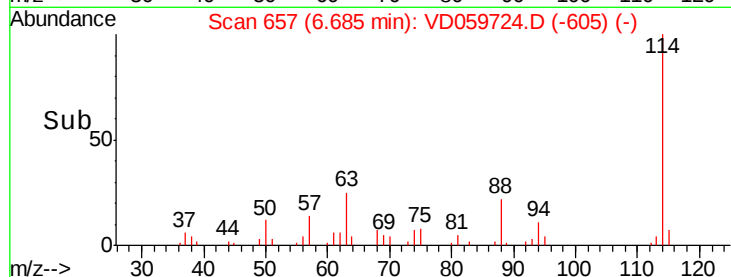
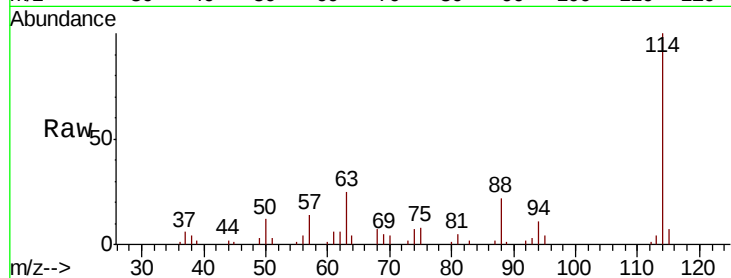




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059724.D
 Acq: 9 Aug 2018 19:17

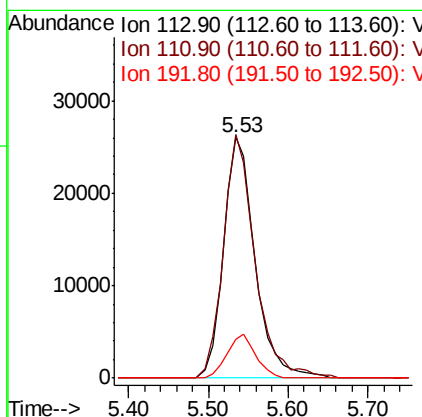
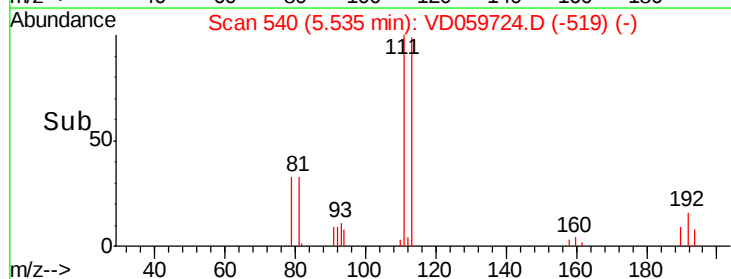
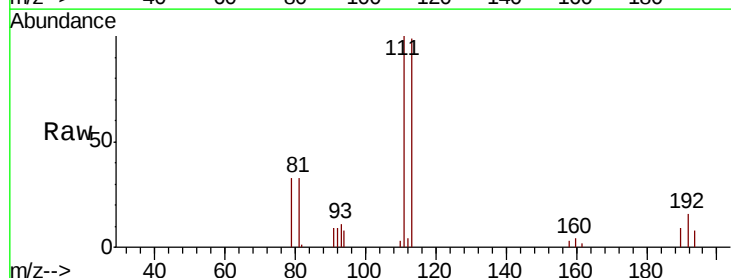
Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

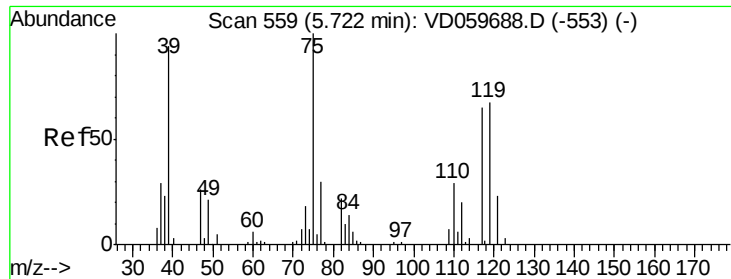
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	42.6
88	22.1	0.0	38.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VD059724.D
 Acq: 9 Aug 2018 19:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.8	124.2
192	16.3	14.6	22.0

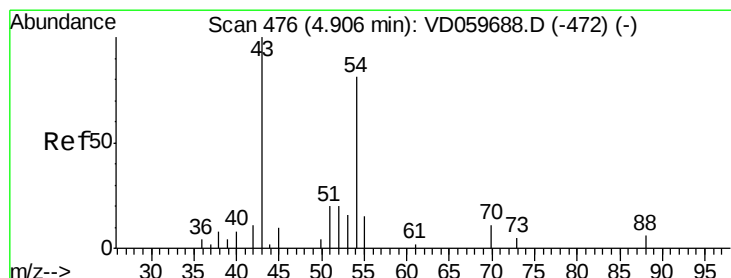
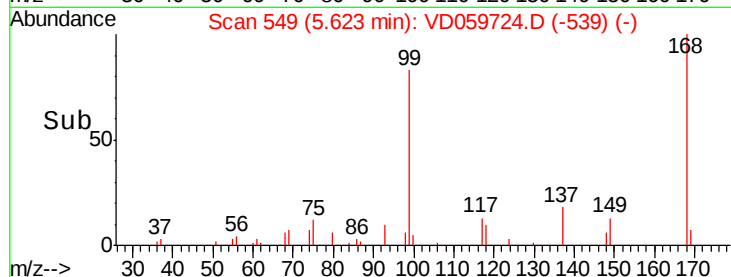
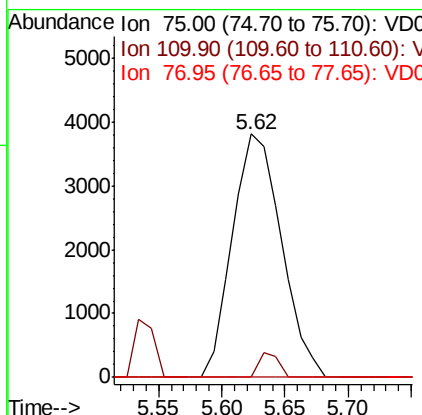
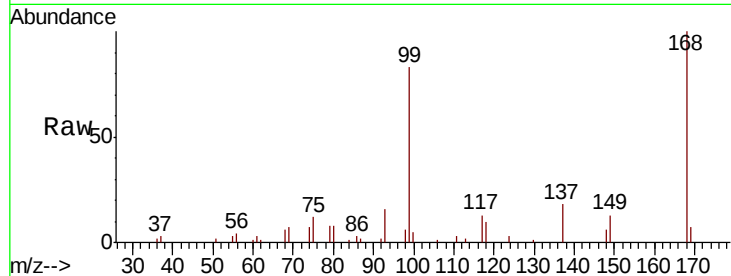




#36
 1,1-Dichloropropene
 Concen: 7.591 ug/l
 RT: 5.62 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD059724.D
 Acq: 9 Aug 2018 19:17

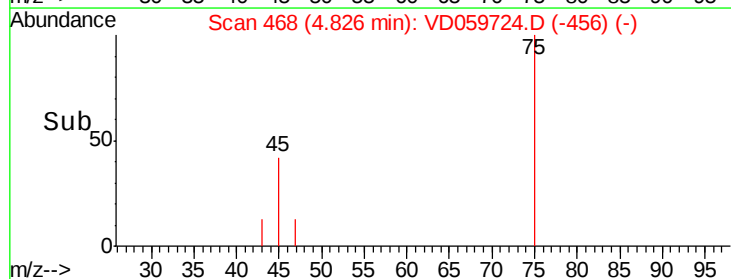
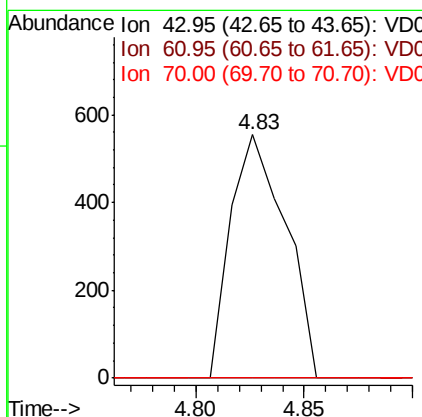
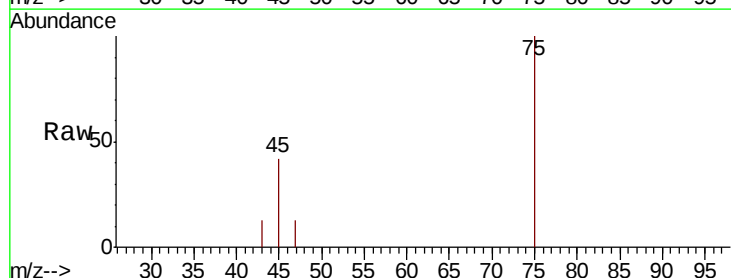
Instrument :
 MSVOA_D
 ClientSampleID :
 S-1A

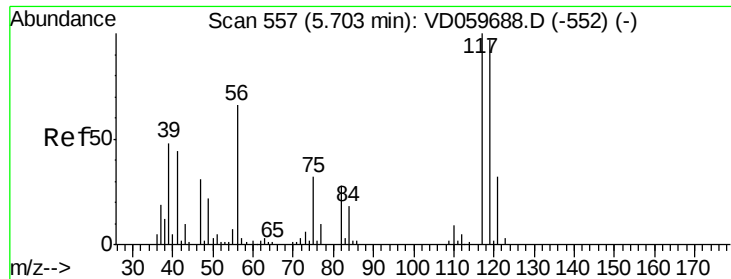
Tgt Ion: 75 Resp: 10273
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.1 42.3#
 77 0.0 23.9 35.9#



#37
 Ethyl Acetate
 Concen: 1.490 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: VD059724.D
 Acq: 9 Aug 2018 19:17

Tgt Ion: 43 Resp: 979
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 5.4 8.2#

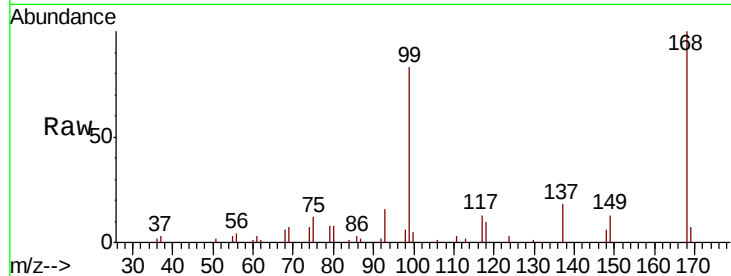




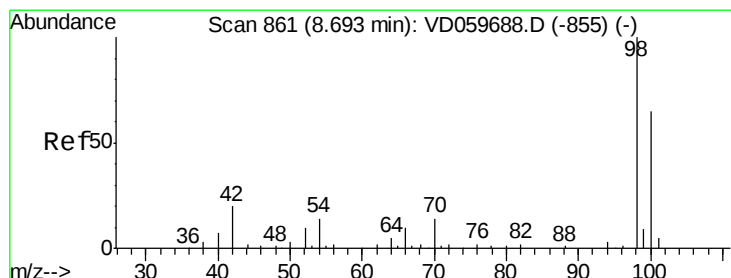
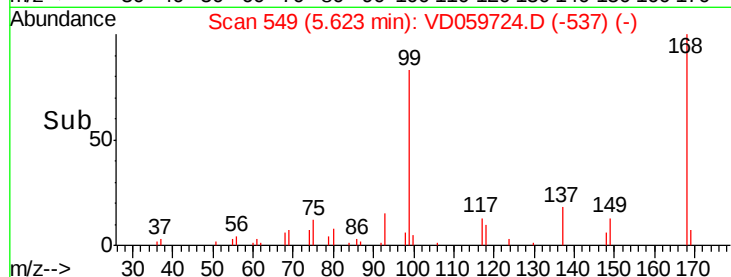
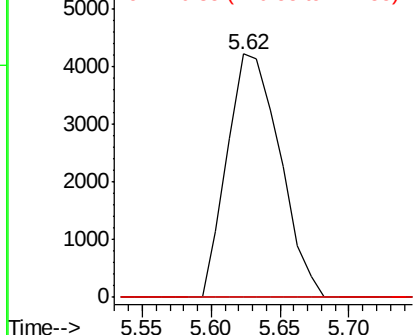
#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.08 min
Lab File: VD059724.D
Acq: 9 Aug 2018 19:17

Instrument :
MSVOA_D
ClientSampled :
S-1A

Tgt Ion:117 Resp: 11255
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 24.4 36.6#

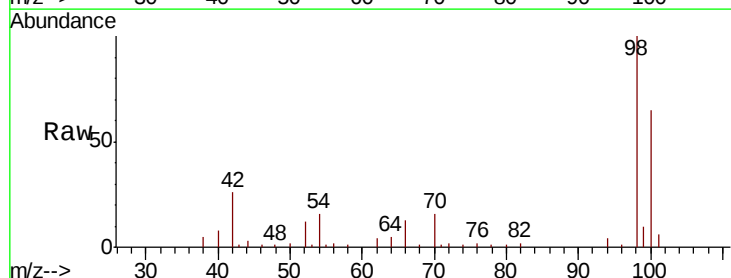


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

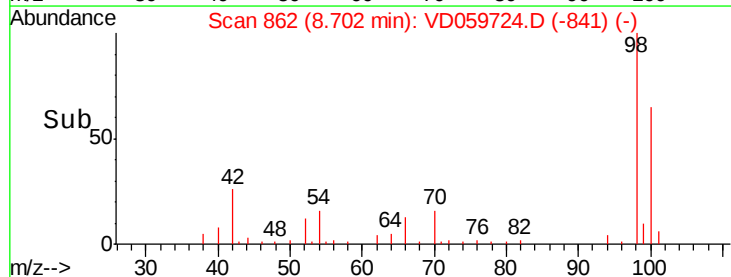
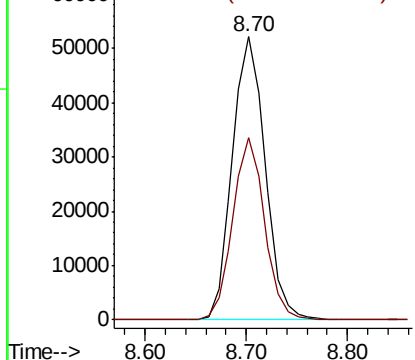


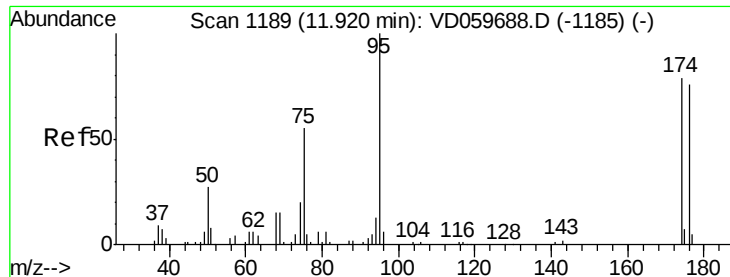
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059724.D
Acq: 9 Aug 2018 19:17

Tgt Ion: 98 Resp: 117785
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



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# 1190

Delta R.T. 0.01 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Instrument :

MSVOA_D

ClientSampled :

S-1A

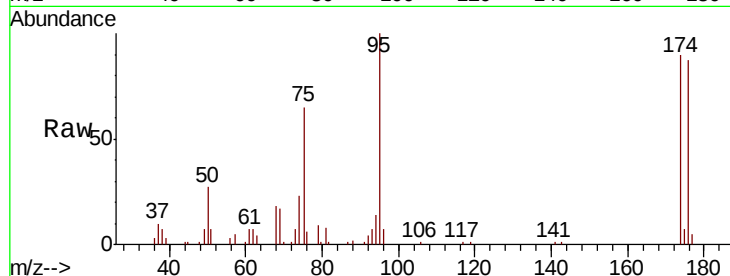
Tgt Ion: 95 Resp: 58693

Ion Ratio Lower Upper

95 100

174 90.4 0.0 158.4

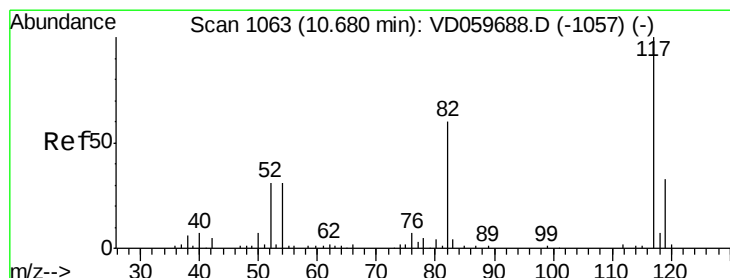
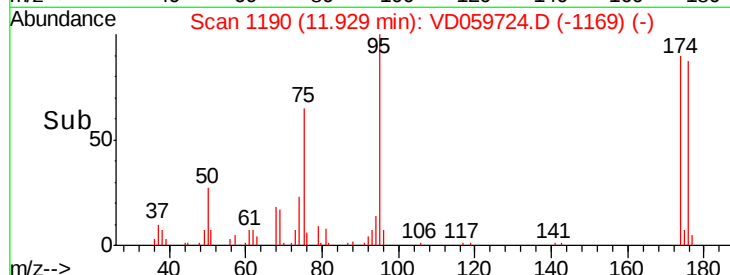
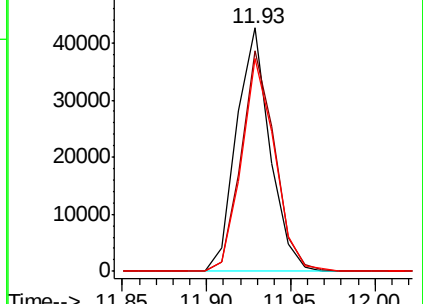
176 87.3 0.0 153.0



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# 1064

Delta R.T. 0.01 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

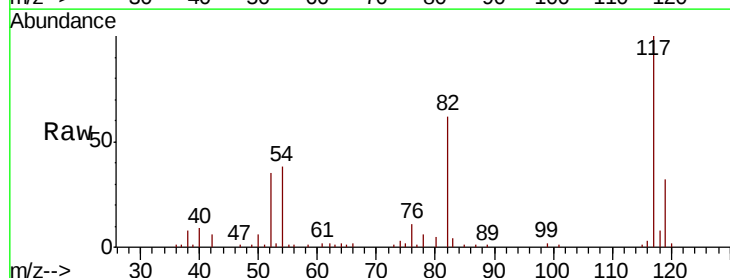
Tgt Ion: 117 Resp: 101490

Ion Ratio Lower Upper

117 100

82 61.8 47.7 71.5

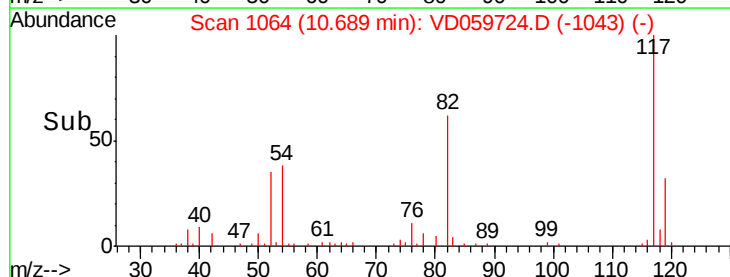
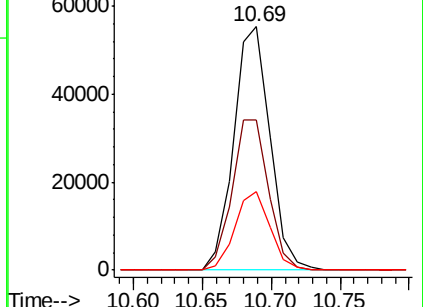
119 32.2 26.6 40.0

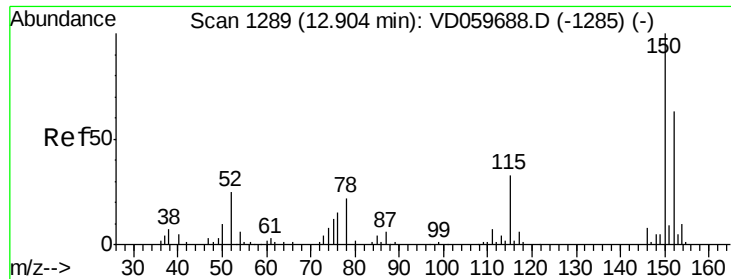


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1289

Delta R.T. -0.00 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

Instrument :

MSVOA_D

ClientSampleId :

S-1A

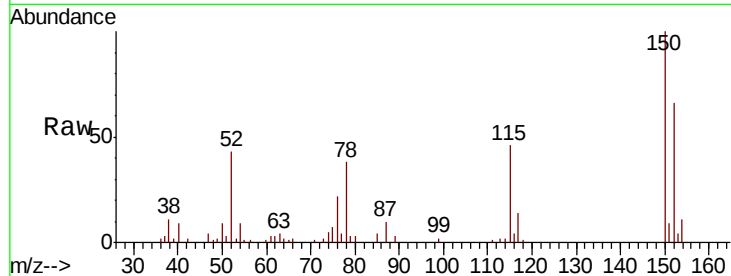
Tgt Ion:152 Resp: 55494

Ion Ratio Lower Upper

152 100

115 69.6 28.8 86.4

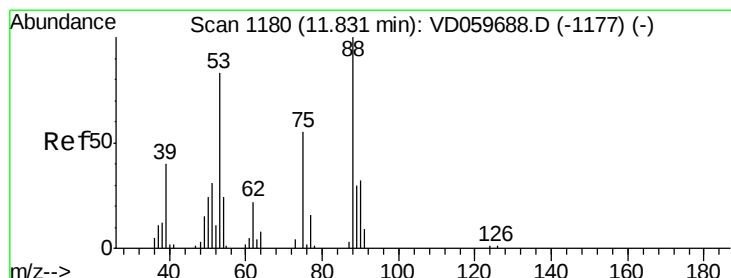
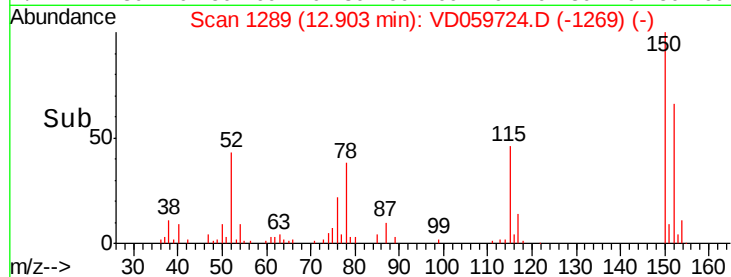
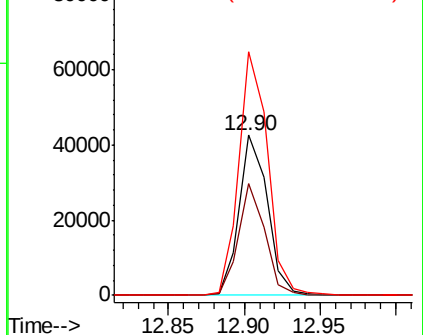
150 152.3 0.0 318.0



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: 179.222 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059724.D

Acq: 9 Aug 2018 19:17

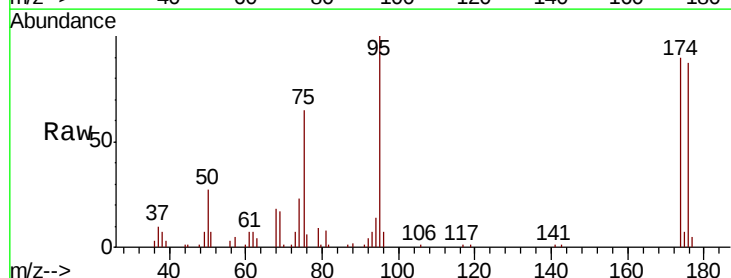
Tgt Ion: 75 Resp: 37522

Ion Ratio Lower Upper

75 100

53 0.0 120.5 180.7#

89 0.0 44.4 66.6#



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

