

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
 Data File : VD059728.D
 Acq On : 9 Aug 2018 21:11
 Operator : VA/AP
 Sample : J4388-05
 Misc : 5.85g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3A

Quant Time: Aug 10 01:18:13 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	56540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	68958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	61511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	37361	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	67178	92.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	184.74%	
35) Dibromofluoromethane	5.53	113	42477	68.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.16%	
50) Toluene-d8	8.70	98	65611	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.92	95	36731	59.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.06%	

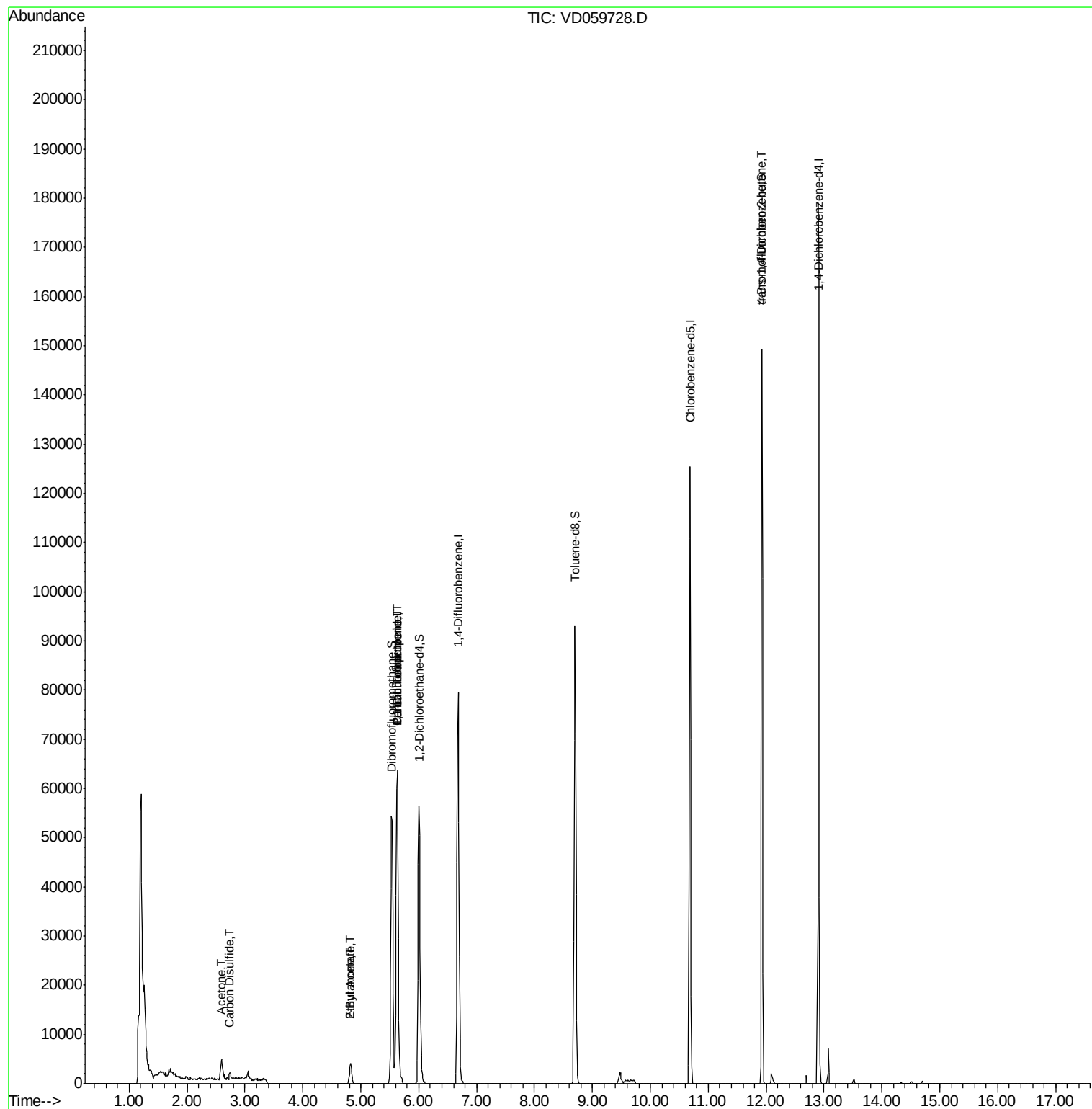
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	8047	58.899	ug/l #	84
17) Carbon Disulfide	2.74	76	1427	1.422	ug/l #	74
20) Methylene Chloride	3.05	84	390	Below Cal	#	54
25) 2-Butanone	4.81	43	869	4.843	ug/l #	59
31) Cyclohexane	5.63	56	1407	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	4490	5.857	ug/l #	46
37) Ethyl Acetate	4.81	43	869	2.335	ug/l #	72
38) Carbon Tetrachloride	5.63	117	5606	5.464	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.92	75	21434	152.067	ug/l #	1

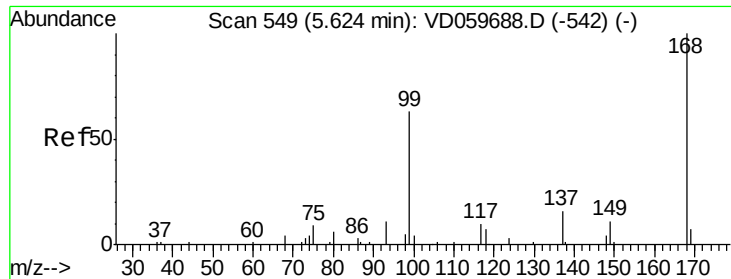
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 549

Delta R.T. 0.00 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Instrument :

MSVOA_D

ClientSampleId :

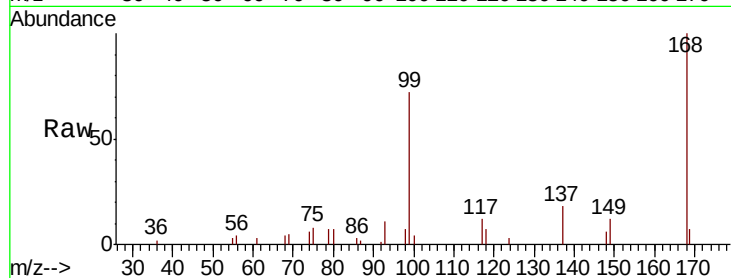
S-3A

Tgt Ion:168 Resp: 56540

Ion Ratio Lower Upper

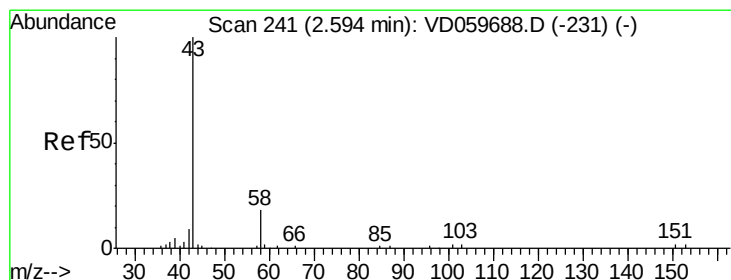
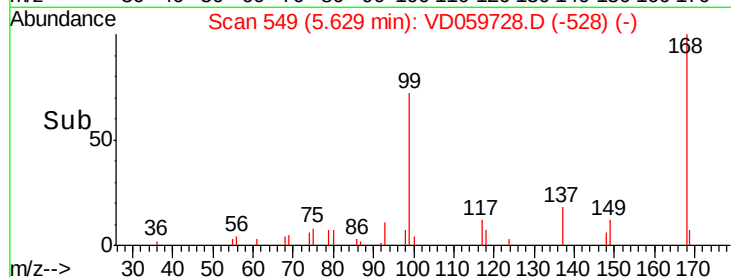
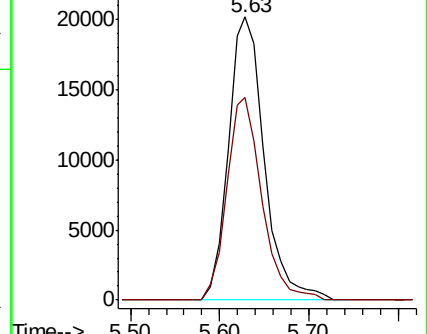
168 100

99 71.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 58.899 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059728.D

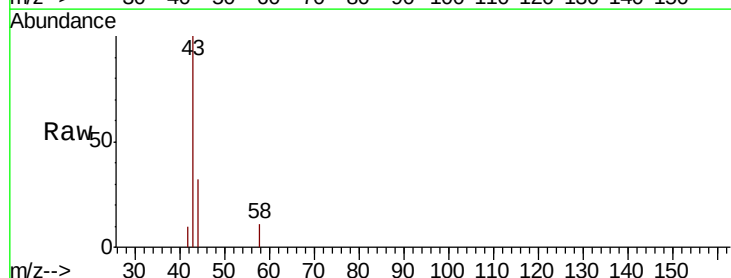
Acq: 9 Aug 2018 21:11

Tgt Ion: 43 Resp: 8047

Ion Ratio Lower Upper

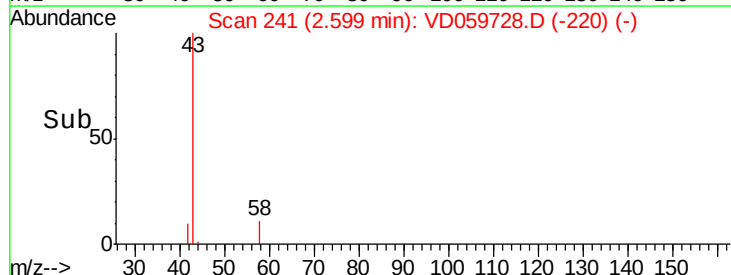
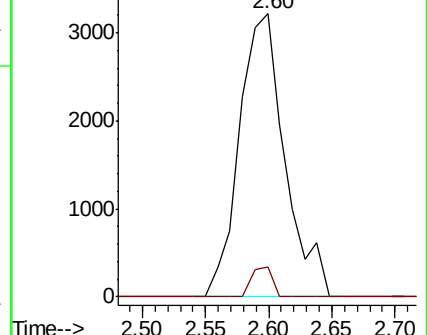
43 100

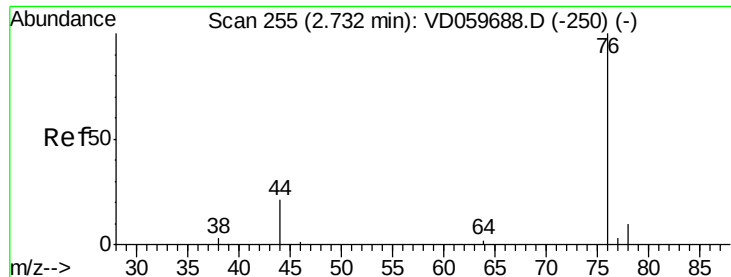
58 10.6 14.2 21.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.422 ug/l

RT: 2.74 min Scan# 255

Delta R.T. 0.00 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Instrument :

MSVOA_D

ClientSampleId :

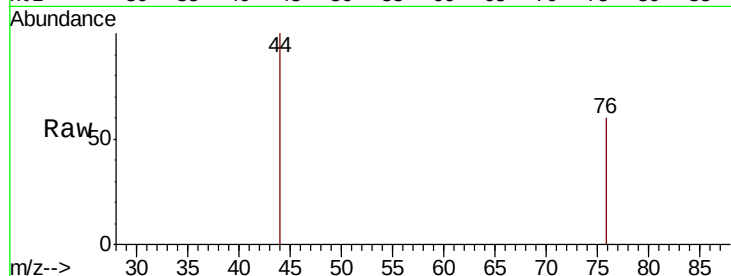
S-3A

Tgt Ion: 76 Resp: 1427

Ion Ratio Lower Upper

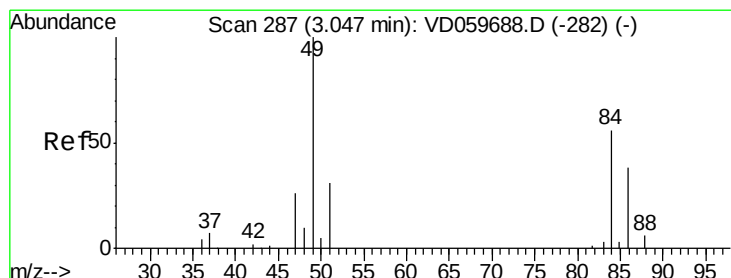
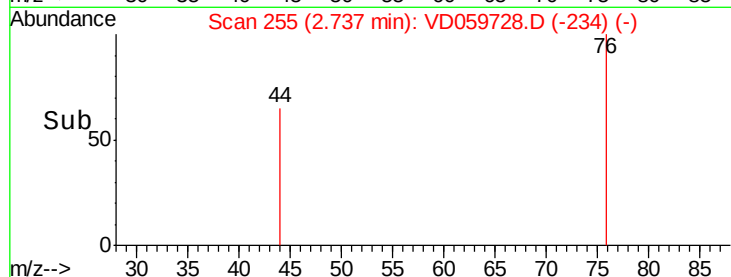
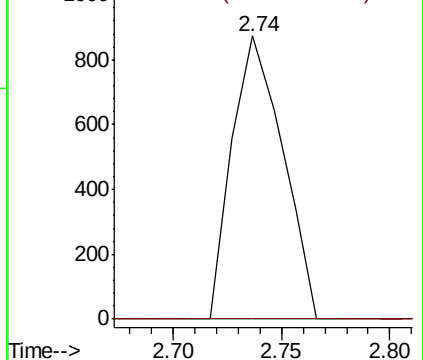
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.05 min Scan# 287

Delta R.T. 0.01 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Tgt Ion: 84 Resp: 390

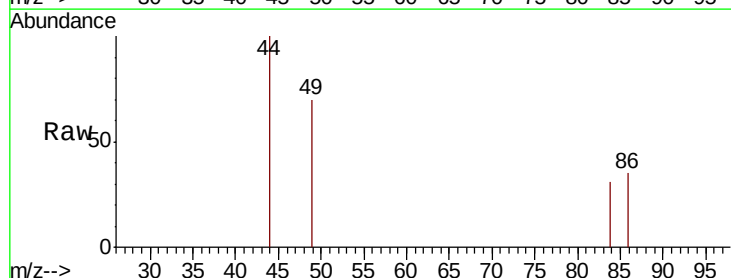
Ion Ratio Lower Upper

84 100

49 227.9 143.4 215.2#

51 0.0 44.2 66.4#

86 112.6 55.0 82.6#

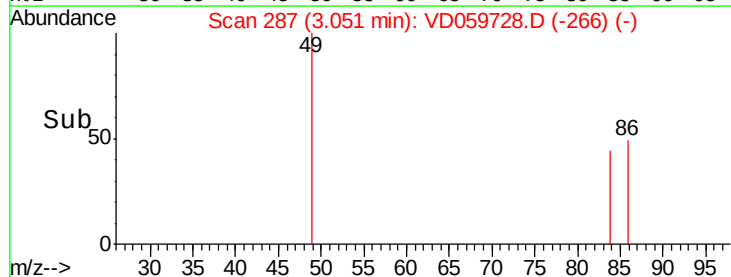
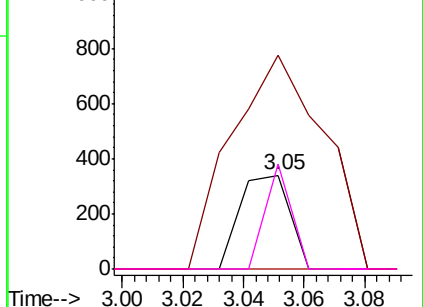


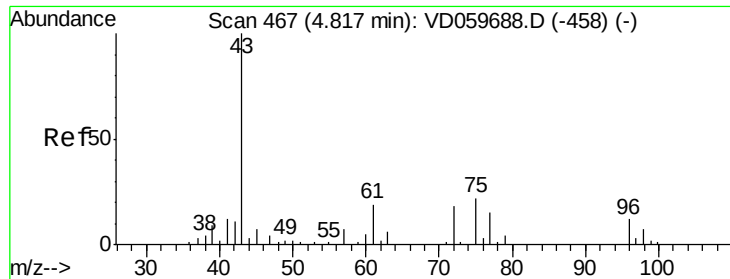
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.843 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Instrument :

MSVOA_D

ClientSampleId :

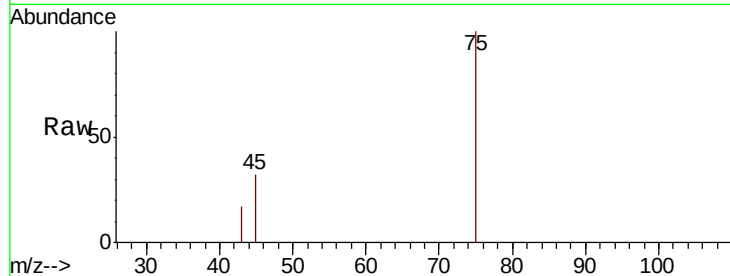
S-3A

Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

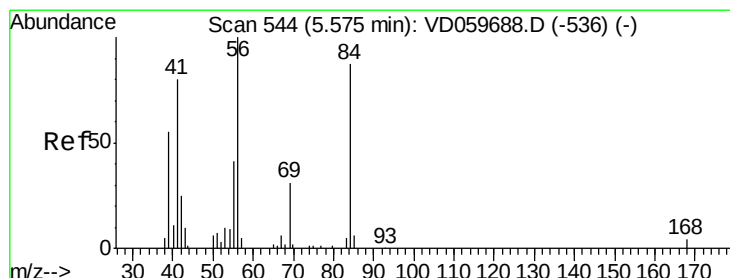
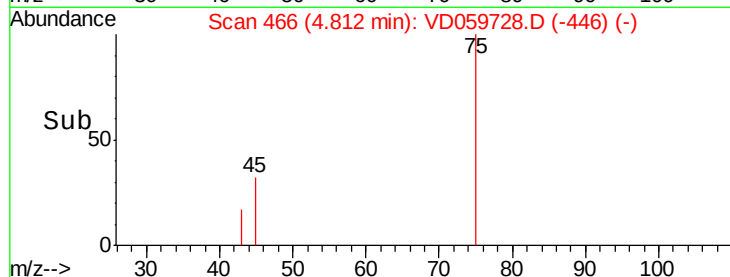
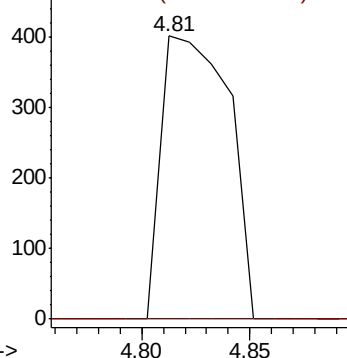
43 100

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.05 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

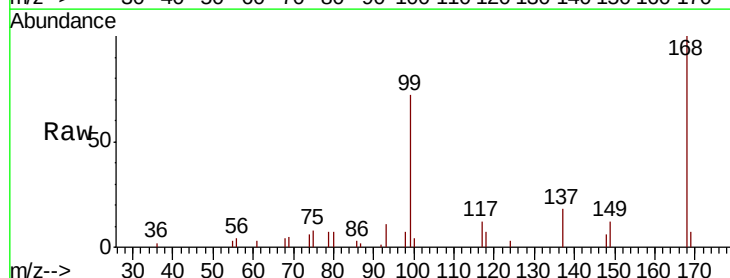
Tgt Ion: 56 Resp: 1407

Ion Ratio Lower Upper

56 100

69 117.6 24.7 37.1#

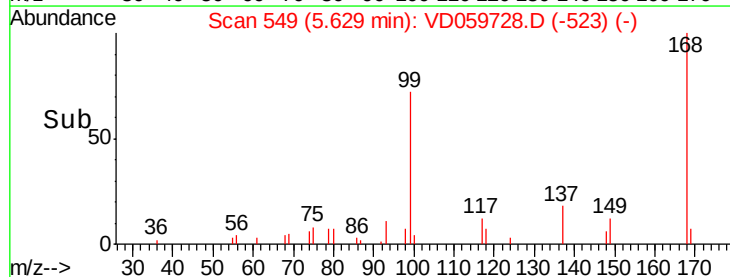
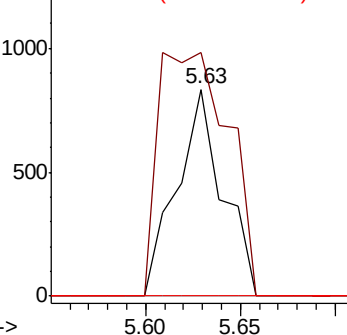
84 0.0 72.2 108.2#

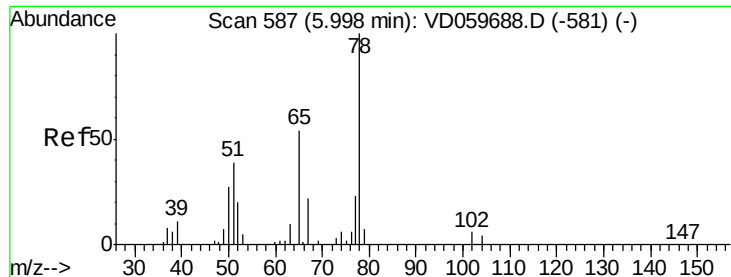


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

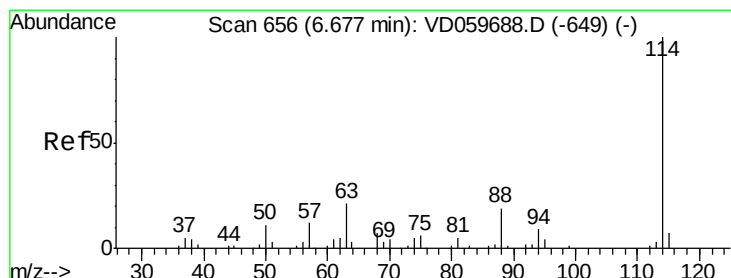
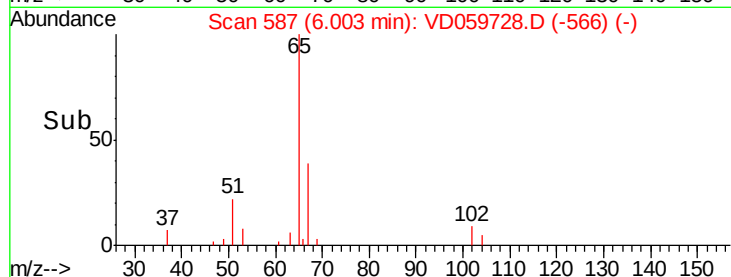
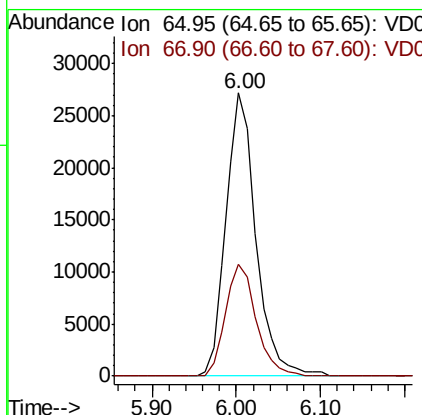
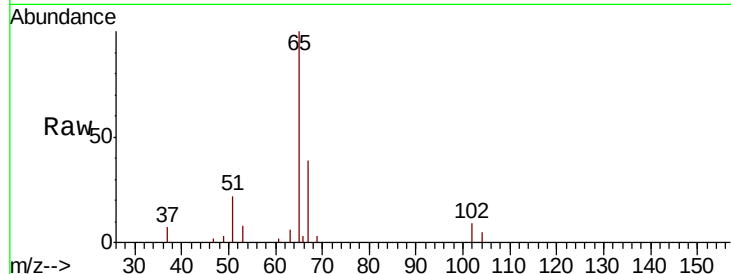




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

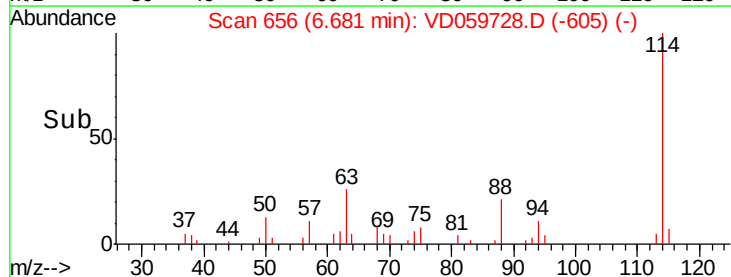
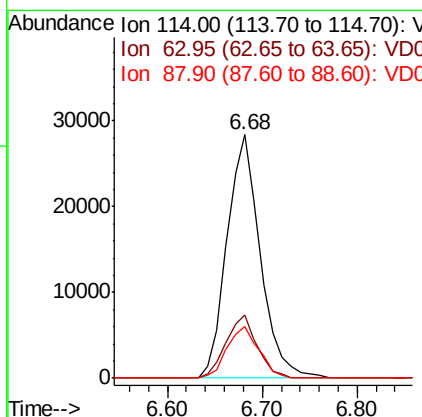
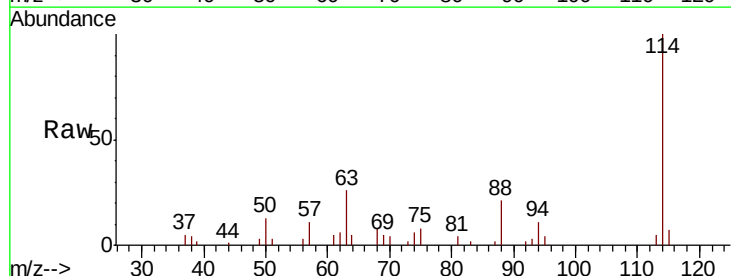
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3A

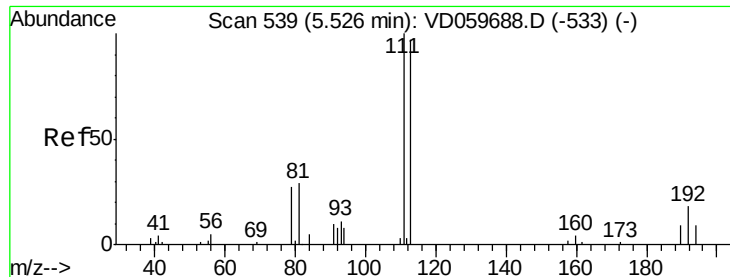
Tgt Ion: 65 Resp: 67178
 Ion Ratio Lower Upper
 65 100
 67 39.5 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

Tgt Ion: 114 Resp: 68958
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 42.6
 88 21.0 0.0 38.8

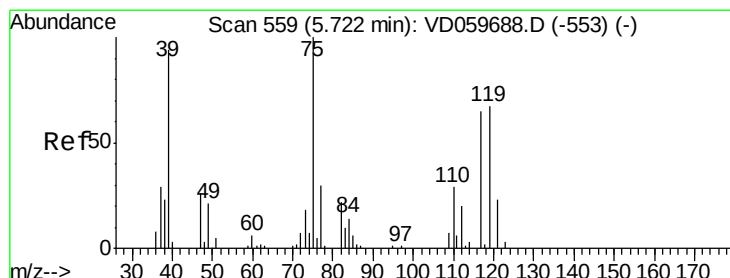
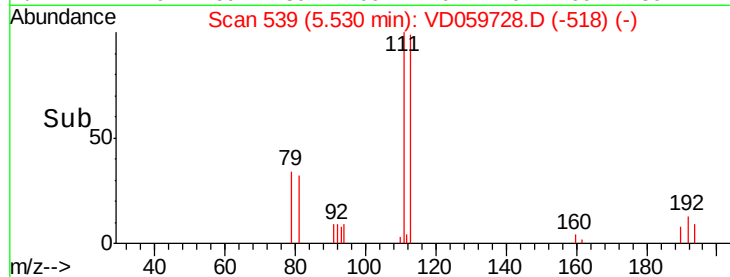
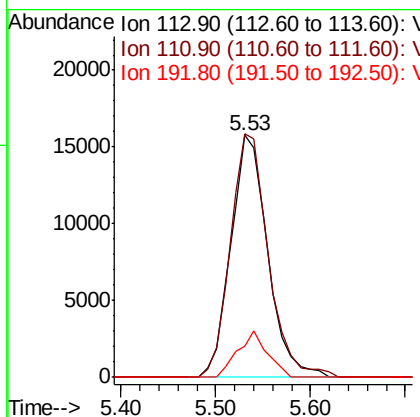
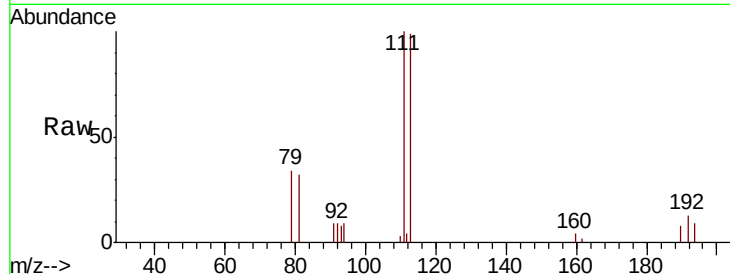




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

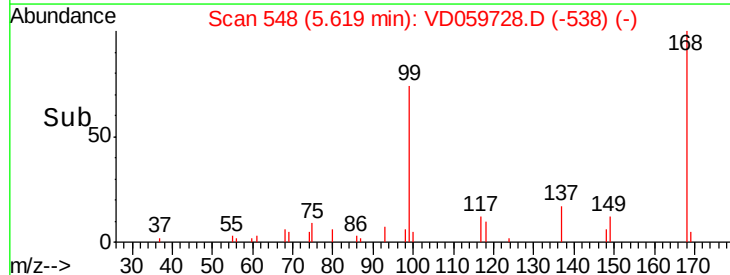
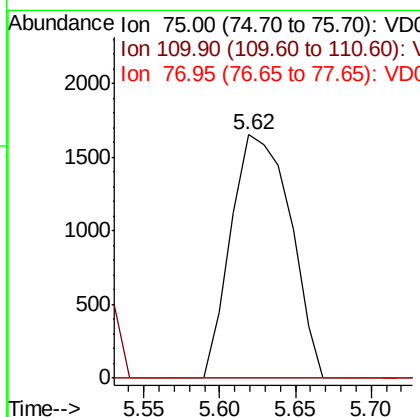
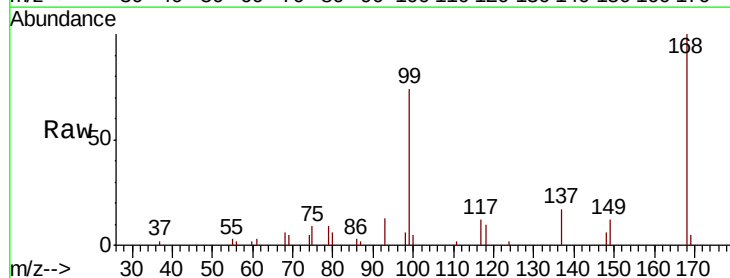
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3A

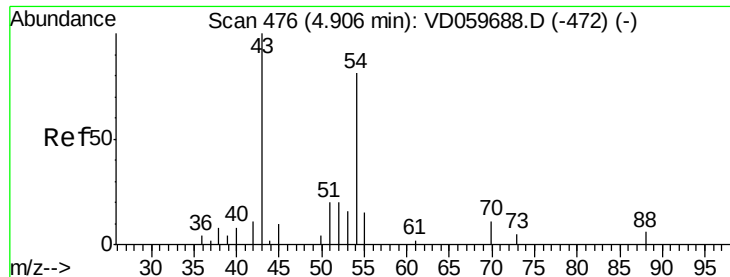
Tgt Ion:113 Resp: 42477
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.8 124.2
 192 12.9 14.6 22.0#



#36
 1,1-Dichloropropene
 Concen: 5.857 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.10 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

Tgt Ion: 75 Resp: 4490
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.1 42.3#
 77 0.0 23.9 35.9#

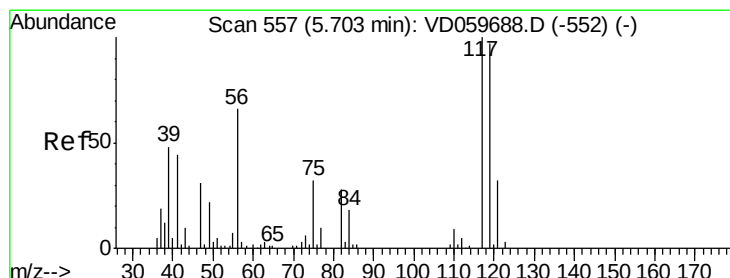
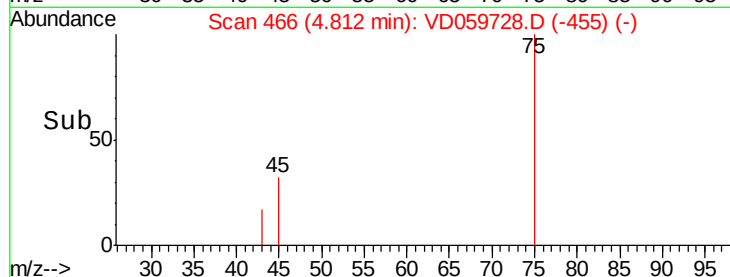
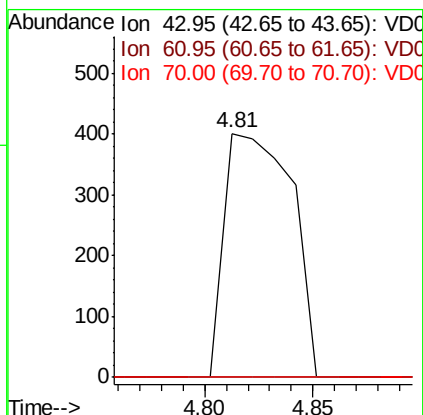
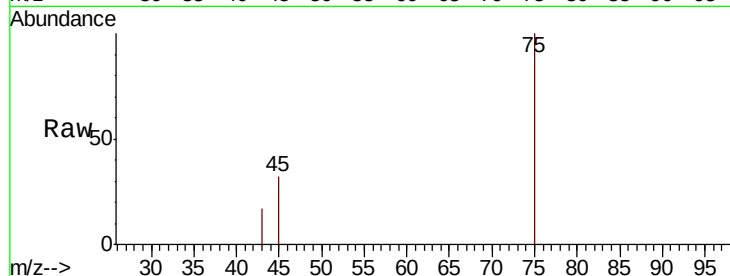




#37
 Ethyl Acetate
 Concen: 2.335 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.09 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

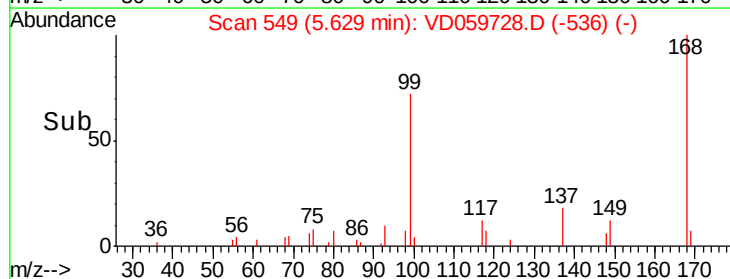
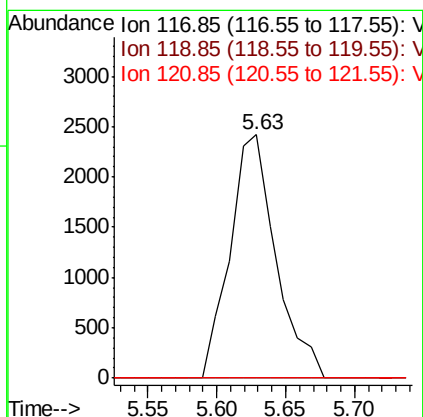
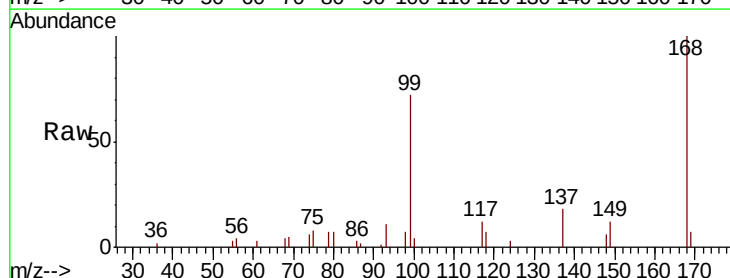
Instrument :
 MSVOA_D
 ClientSampled :
 S-3A

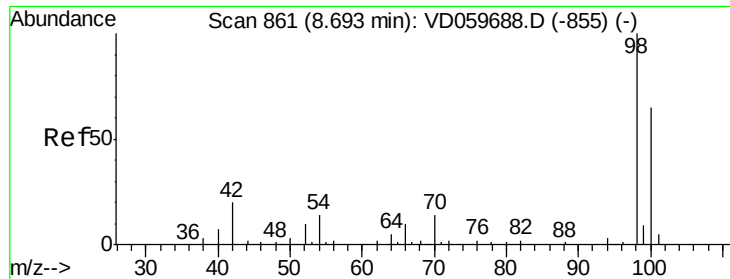
Tgt Ion: 43 Resp: 869
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 5.4 8.2#



#38
 Carbon Tetrachloride
 Concen: 5.464 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.07 min
 Lab File: VD059728.D
 Acq: 9 Aug 2018 21:11

Tgt Ion: 117 Resp: 5606
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.3 112.9#
 121 0.0 24.4 36.6#

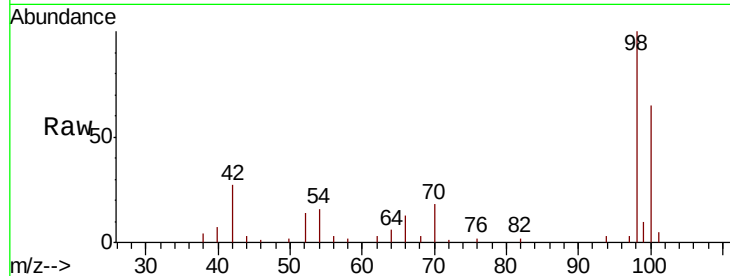




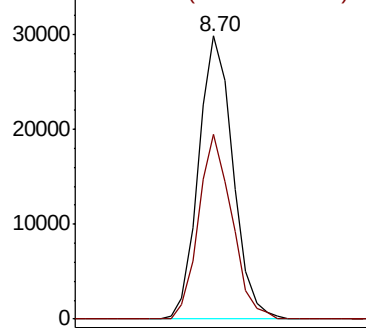
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.00 min
Lab File: VD059728.D
Acq: 9 Aug 2018 21:11

Instrument :
MSVOA_D
ClientSampleId :
S-3A

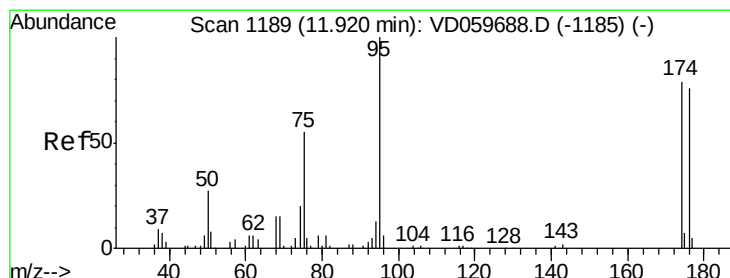
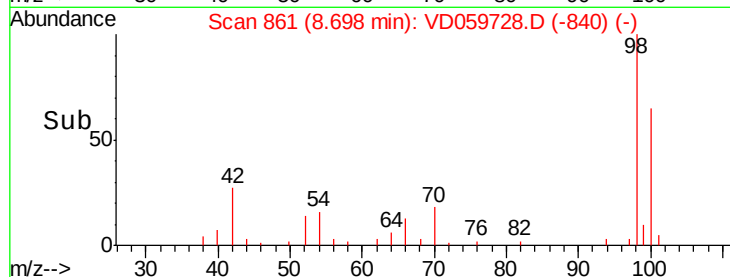
Tgt Ion: 98 Resp: 65611
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



Abundance Ion 98.05 (97.75 to 98.75): VD059728.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059728.D (-855) (-)

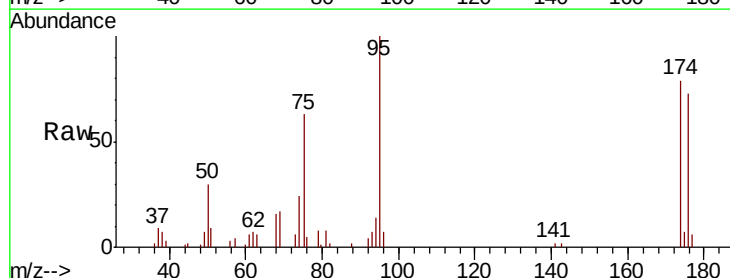


Time-->

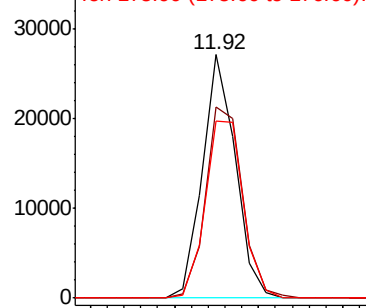


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD059728.D
Acq: 9 Aug 2018 21:11

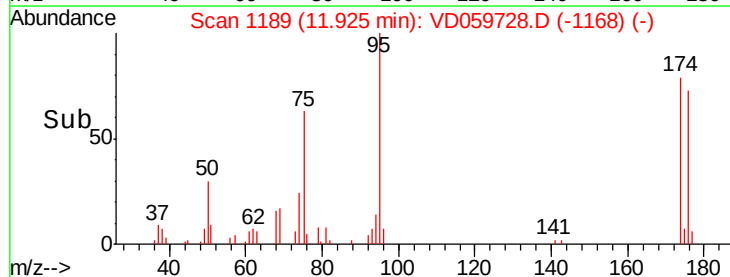
Tgt Ion: 95 Resp: 36731
Ion Ratio Lower Upper
95 100
174 78.5 0.0 158.4
176 72.8 0.0 153.0

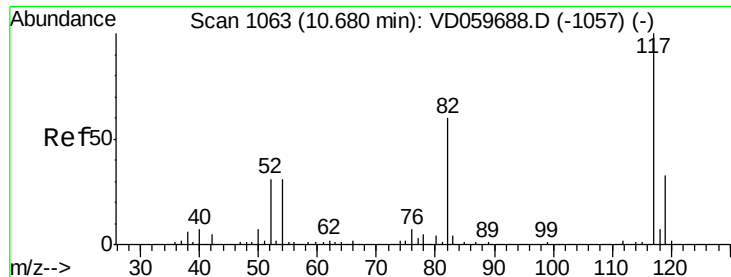


Abundance Ion 95.00 (94.70 to 95.70): VD059728.D (-1185) (-)
Ion 173.90 (173.60 to 174.60): VD059728.D (-1185) (-)
Ion 175.90 (175.60 to 176.60): VD059728.D (-1185) (-)



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Instrument :

MSVOA_D

ClientSampleId :

S-3A

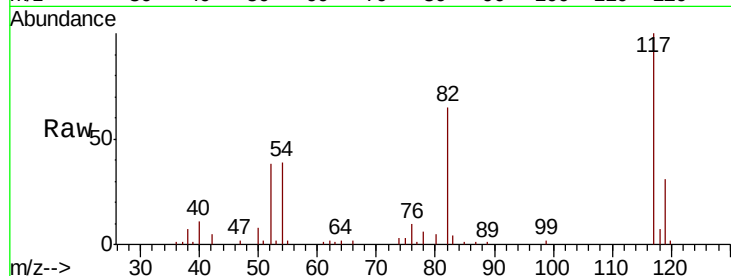
Tgt Ion:117 Resp: 61511

Ion Ratio Lower Upper

117 100

82 65.4 47.7 71.5

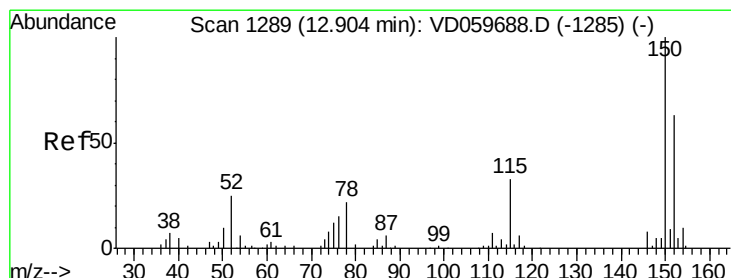
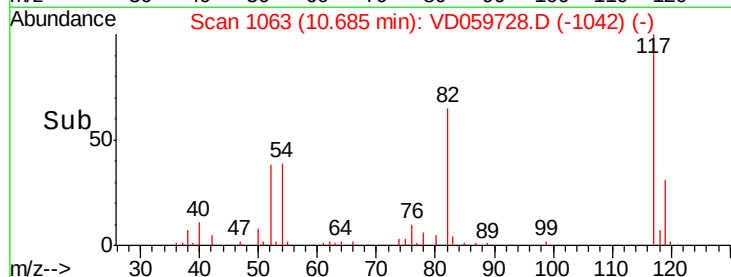
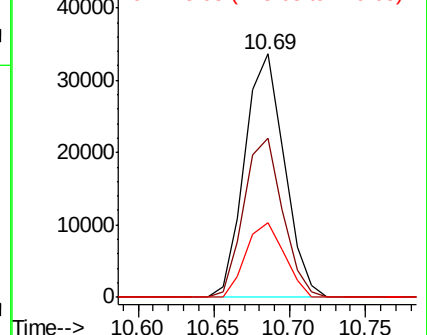
119 30.9 26.6 40.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD

Ion 118.95 (118.65 to 119.65): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

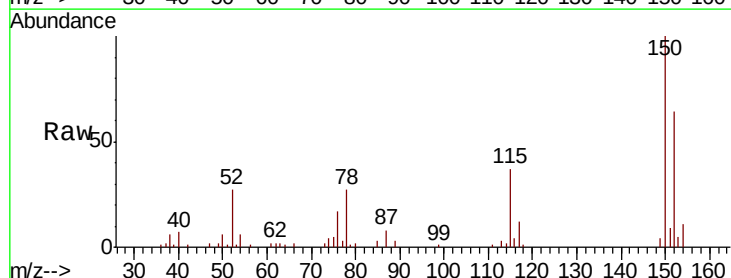
Tgt Ion:152 Resp: 37361

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.4

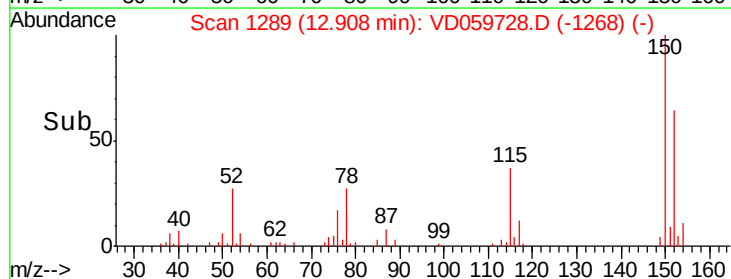
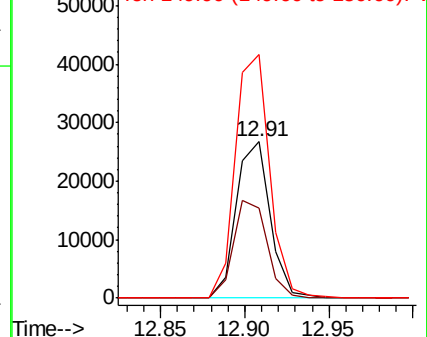
150 155.7 0.0 318.0

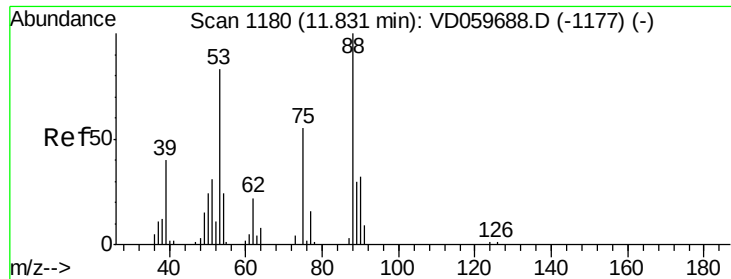


Abundance Ion 151.90 (151.60 to 152.60): V

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: 152.067 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059728.D

Acq: 9 Aug 2018 21:11

Instrument :

MSVOA_D

ClientSampleId :

S-3A

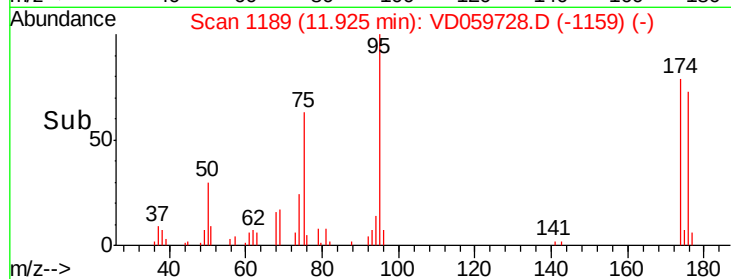
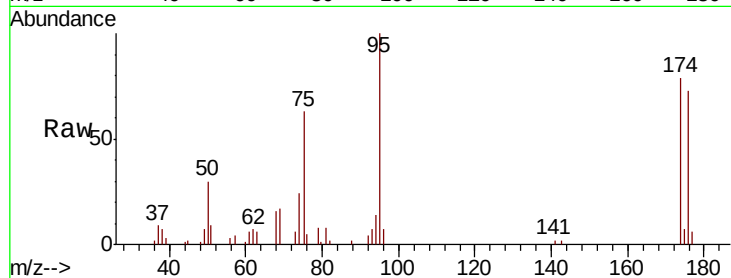
Tgt Ion: 75 Resp: 21434

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

