

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122618\
 Data File : VD060714.D
 Acq On : 26 Dec 2018 13:07
 Operator : VA/AP
 Sample : J6188-05
 Misc : 8.84g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-122118

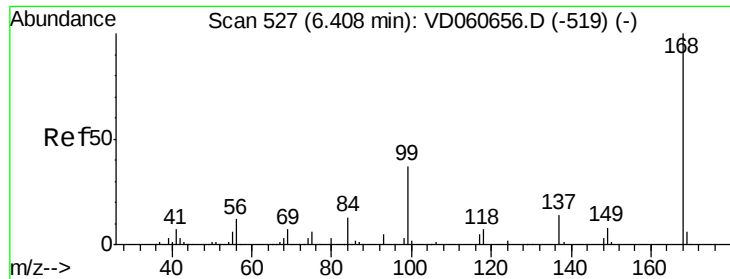
Quant Time: Dec 27 01:50:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	176069	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	298396	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.26	117	274678	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	133385	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	124968	102.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	205.42%	
35) Dibromofluoromethane	6.30	113	119677	54.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.60%	
50) Toluene-d8	9.43	98	263901	40.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	81.00%	
62) 4-Bromofluorobenzene	12.41	95	103064	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds						Qvalue
5) Bromomethane	2.18	94	1609	4.370	ug/l #	2
8) Diethyl Ether	2.82	74	421	1.376	ug/l	70
14) Allyl chloride	3.51	41	2456	1.374	ug/l #	82
16) Acetone	3.12	43	455	2.141	ug/l #	53
20) Methylene Chloride	3.71	84	7399	3.353	ug/l #	86
29) Tetrahydrofuran	5.93	42	534	2.317	ug/l #	40
36) 1,1-Dichloropropene	6.38	75	11173	3.636	ug/l #	40
38) Carbon Tetrachloride	6.39	117	13168	4.858	ug/l #	12
51) 4-Methyl-2-Pentanone	9.43	43	1609	1.593	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	42347	100.918	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 525

Delta R.T. -0.02 min

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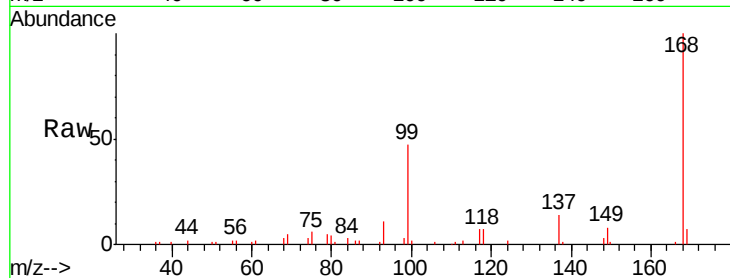
BU-03-122118

Tgt Ion:168 Resp: 176069

Ion Ratio Lower Upper

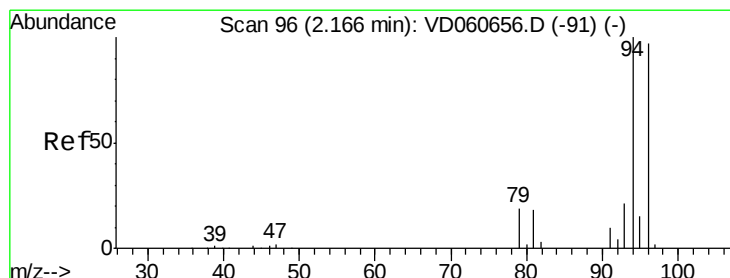
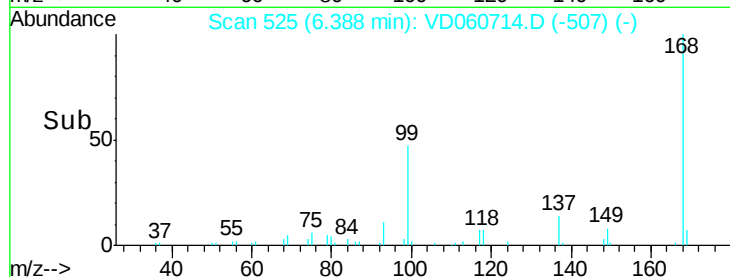
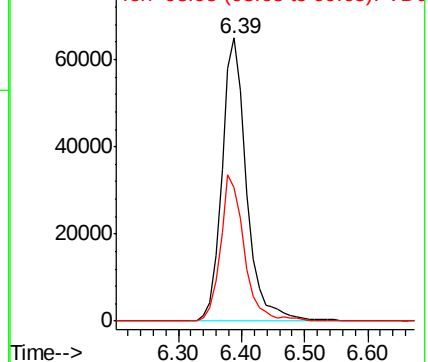
168 100

99 47.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 4.370 ug/l

RT: 2.18 min Scan# 97

Delta R.T. 0.01 min

Lab File: VD060714.D

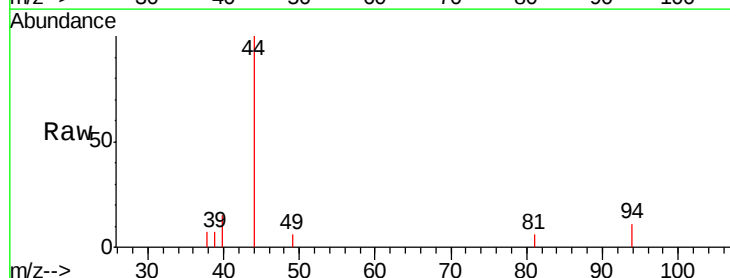
Acq: 26 Dec 2018 13:07

Tgt Ion: 94 Resp: 1609

Ion Ratio Lower Upper

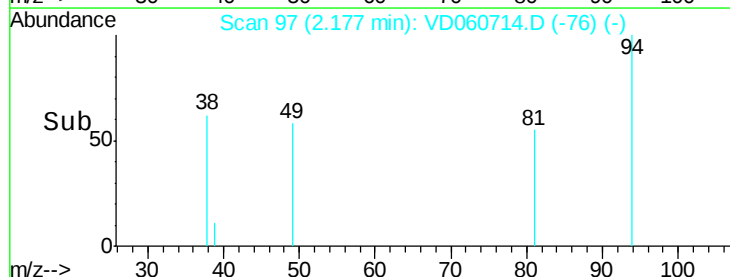
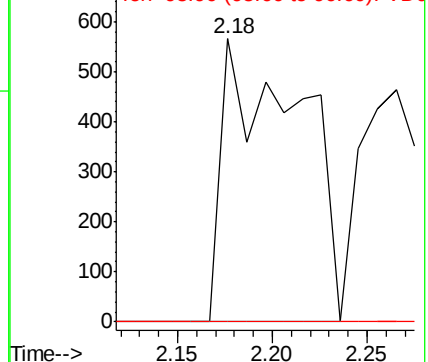
94 100

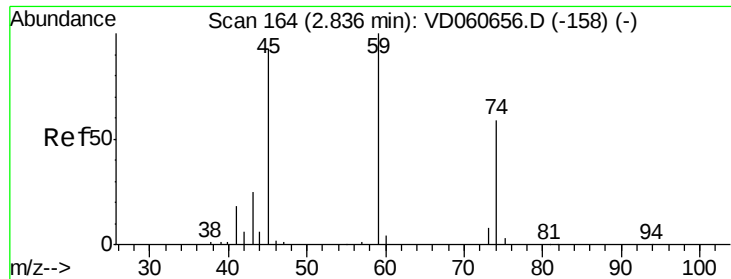
96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.376 ug/l

RT: 2.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

Instrument :

MSVOA_D

ClientSampleId :

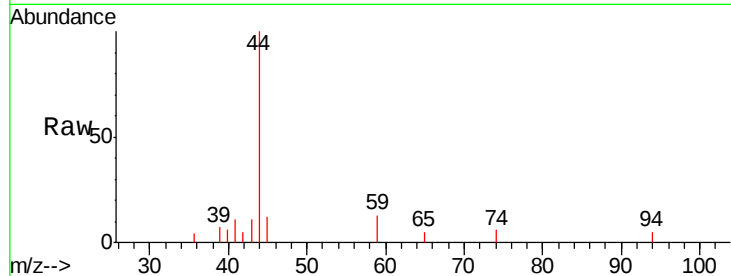
BU-03-122118

Tgt Ion: 74 Resp: 421

Ion Ratio Lower Upper

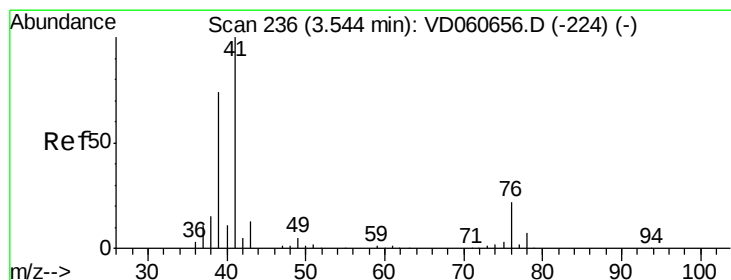
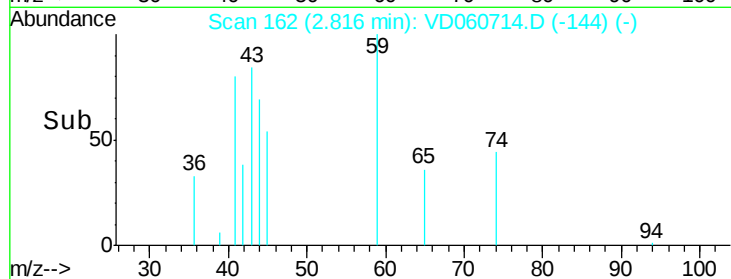
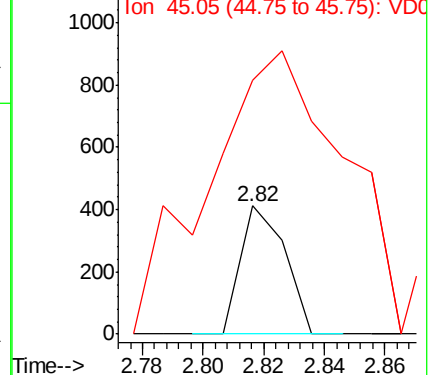
74 100

45 198.3 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#14

Allyl chloride

Concen: 1.374 ug/l

RT: 3.51 min Scan# 233

Delta R.T. -0.03 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

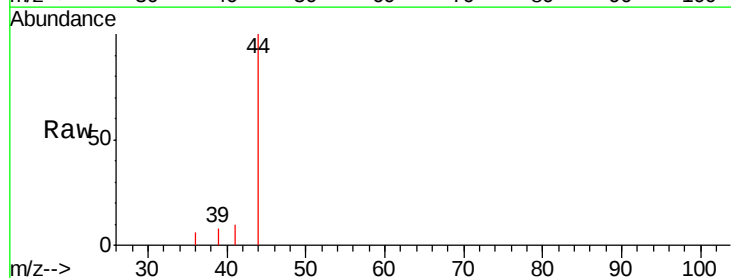
Tgt Ion: 41 Resp: 2456

Ion Ratio Lower Upper

41 100

39 78.7 59.6 89.4

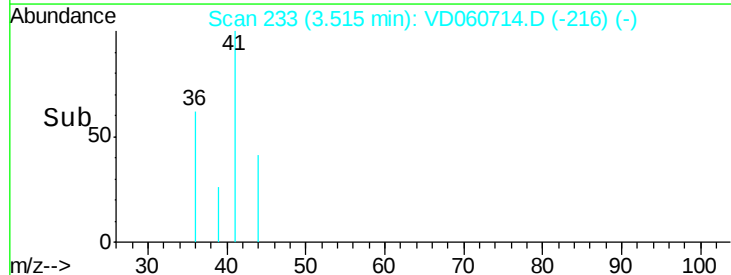
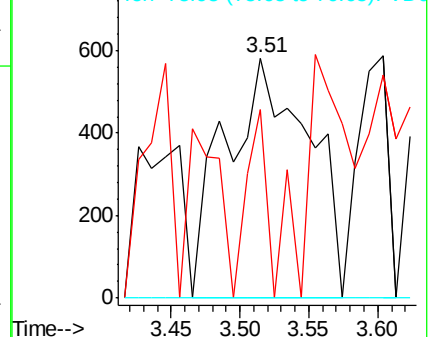
76 0.0 21.8 32.6#

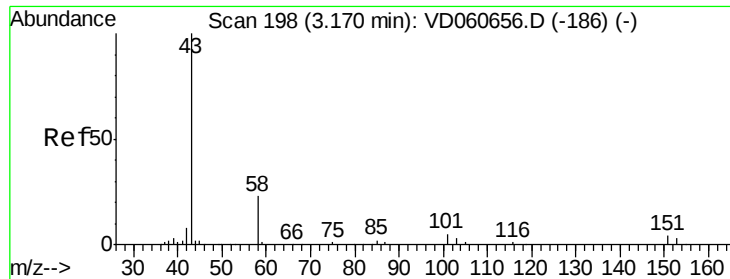


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 2.141 ug/l

RT: 3.12 min Scan# 193

Delta R.T. -0.05 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

Instrument :

MSVOA_D

ClientSampleId :

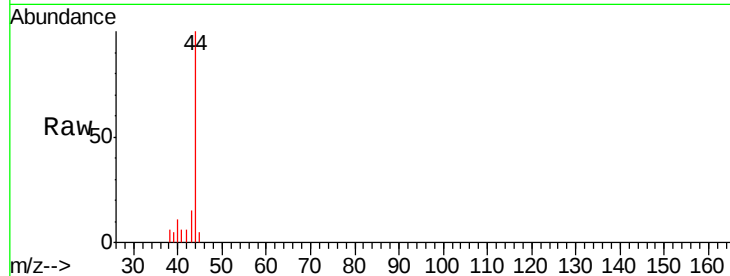
BU-03-122118

Tgt Ion: 43 Resp: 455

Ion Ratio Lower Upper

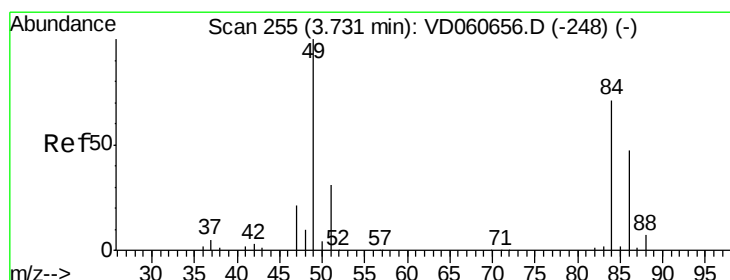
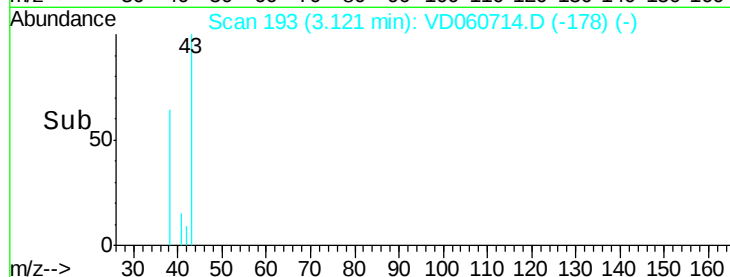
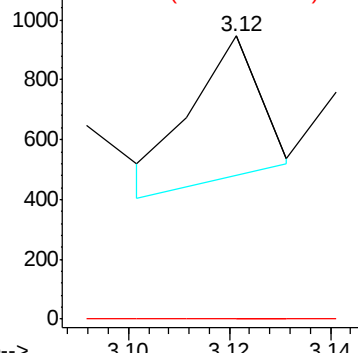
43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.353 ug/l

RT: 3.71 min Scan# 253

Delta R.T. -0.02 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

Tgt Ion: 84 Resp: 7399

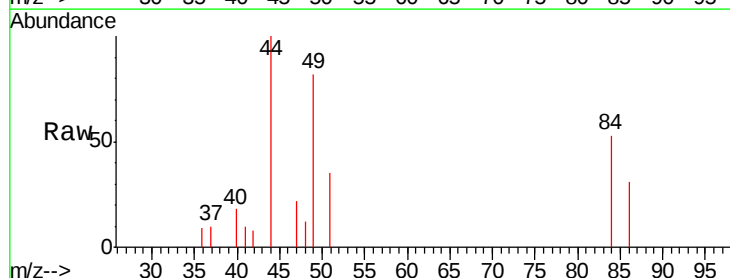
Ion Ratio Lower Upper

84 100

49 154.3 113.6 170.4

51 66.8 34.7 52.1#

86 59.2 52.8 79.2

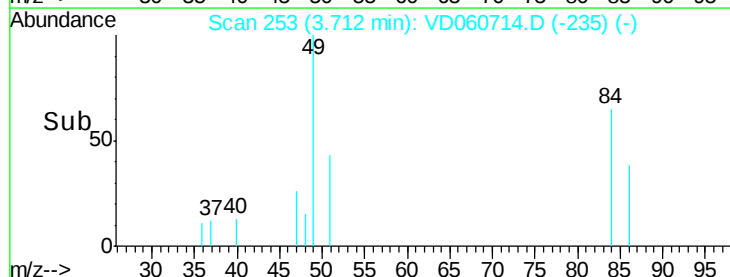
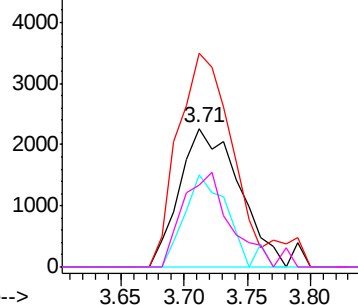


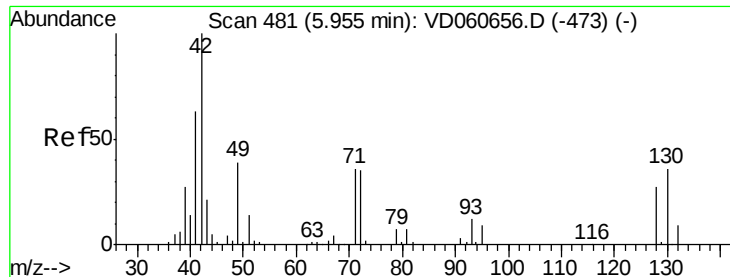
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

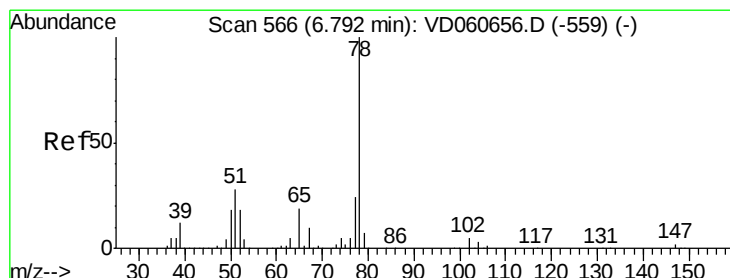
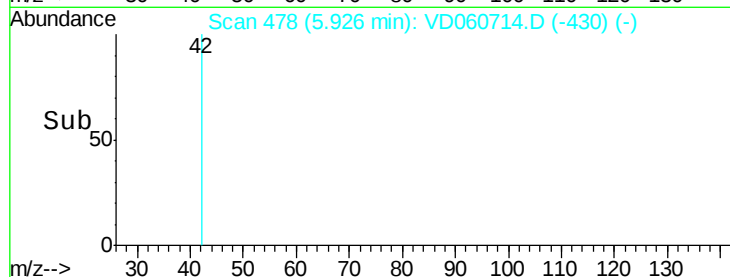
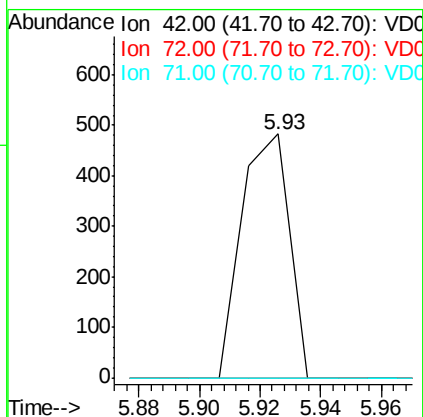
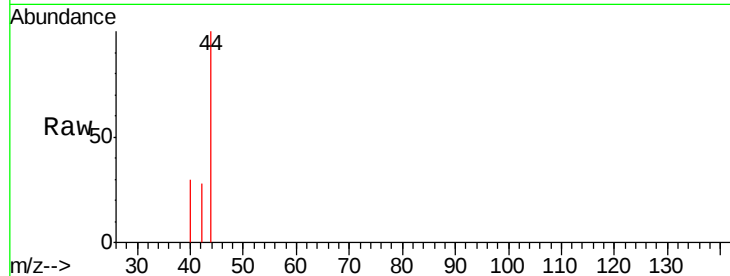




#29
Tetrahydrofuran
Concen: 2.317 ug/l
RT: 5.93 min Scan# 478
Delta R.T. -0.03 min
Lab File: VD060714.D
Acq: 26 Dec 2018 13:07

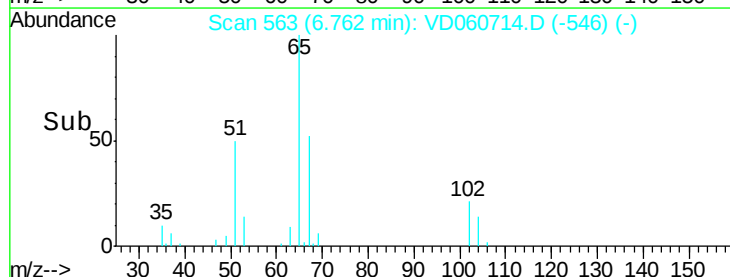
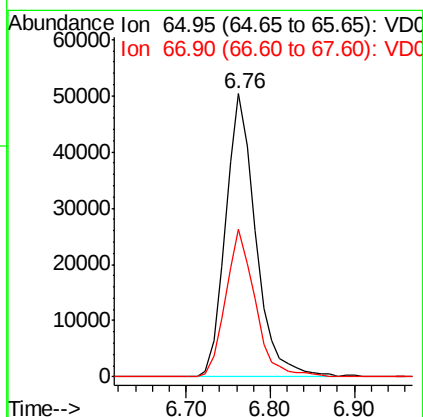
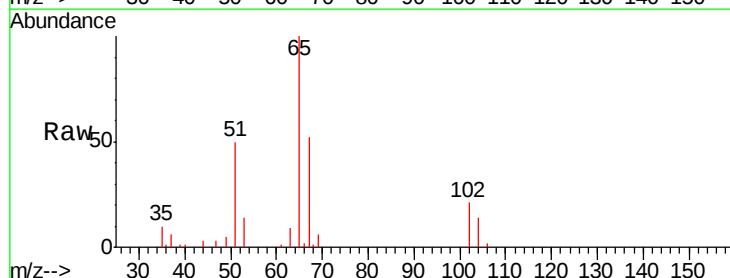
Instrument :
MSVOA_D
ClientSampleId :
BU-03-122118

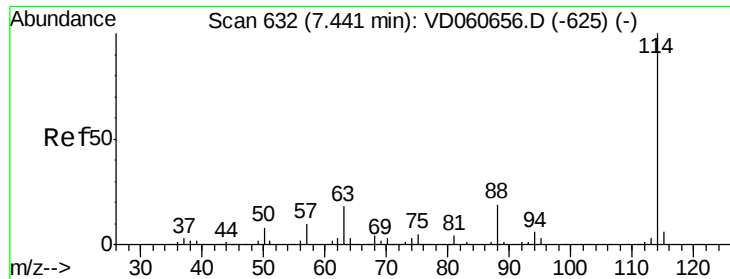
Tgt Ion: 42 Resp: 534
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.0 40.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 563
Delta R.T. -0.03 min
Lab File: VD060714.D
Acq: 26 Dec 2018 13:07

Tgt Ion: 65 Resp: 124968
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

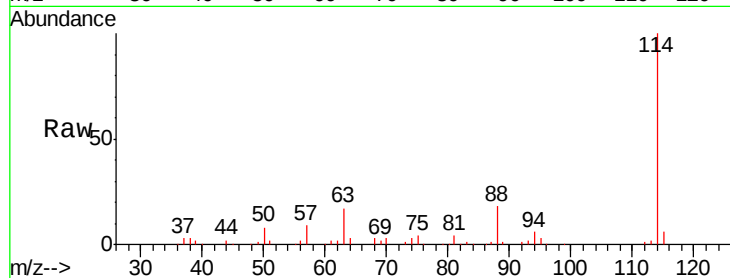




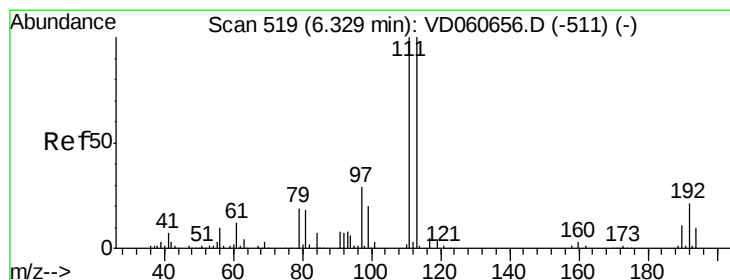
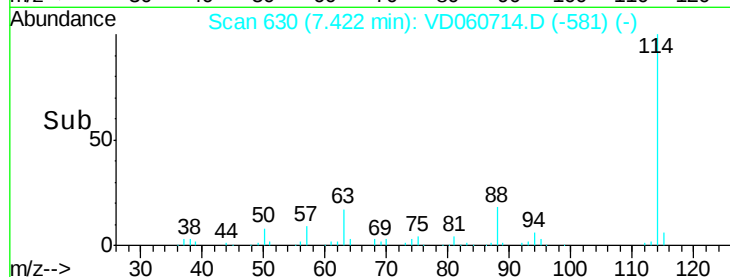
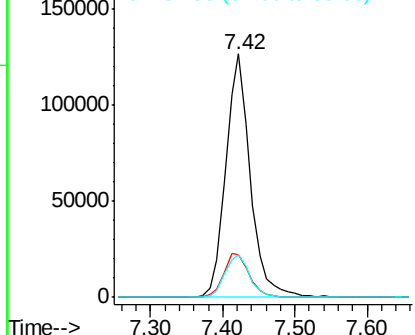
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VD060714.D
 Acq: 26 Dec 2018 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion:114 Resp: 298396
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.2
 88 17.5 0.0 37.0

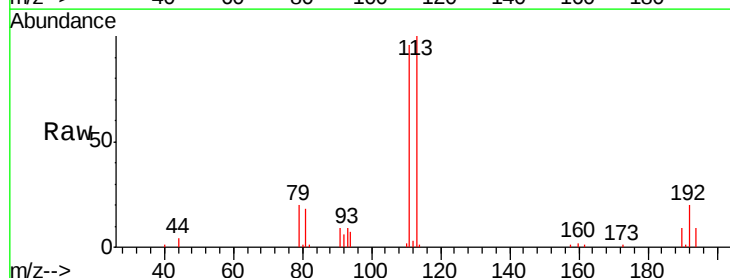


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

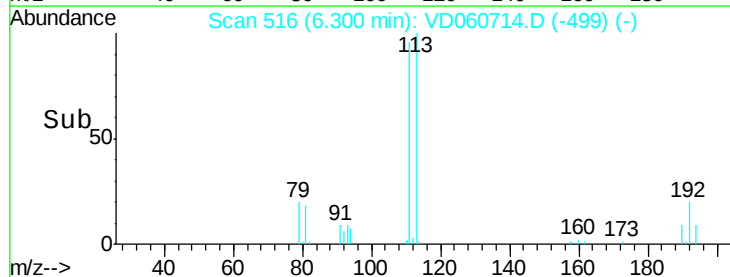
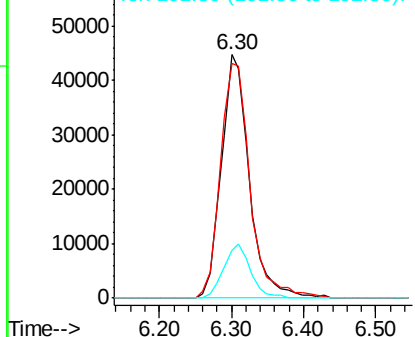


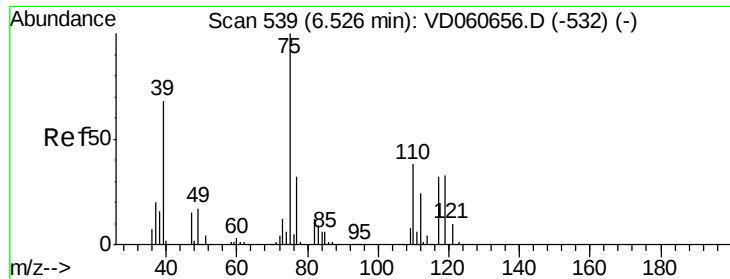
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 516
 Delta R.T. -0.03 min
 Lab File: VD060714.D
 Acq: 26 Dec 2018 13:07

Tgt Ion:113 Resp: 119677
 Ion Ratio Lower Upper
 113 100
 111 96.2 80.0 120.0
 192 19.6 16.6 25.0



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

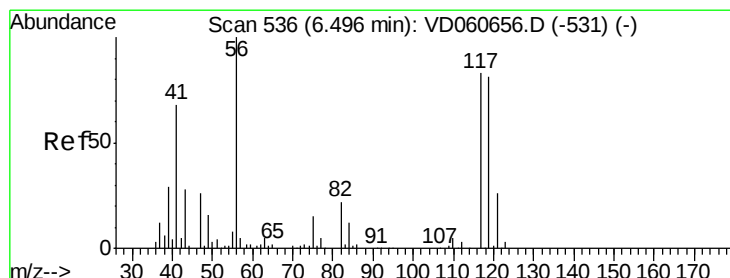
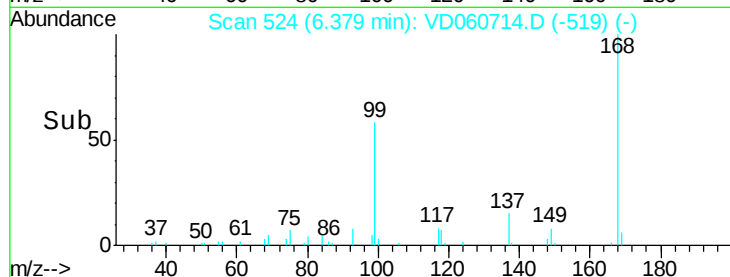
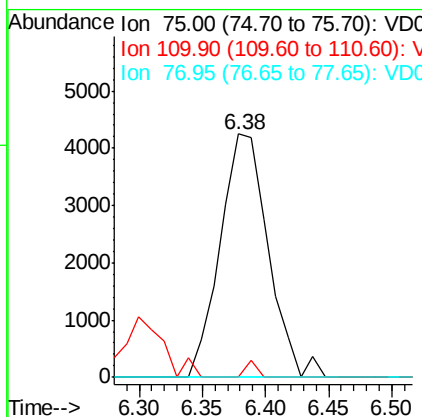
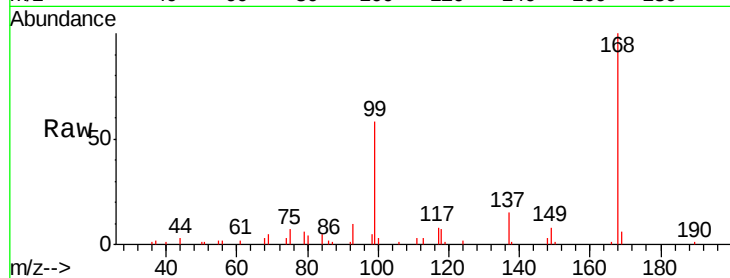




#36
 1,1-Dichloropropene
 Concen: 3.636 ug/l
 RT: 6.38 min Scan# 524
 Delta R.T. -0.15 min
 Lab File: VD060714.D
 Acq: 26 Dec 2018 13:07

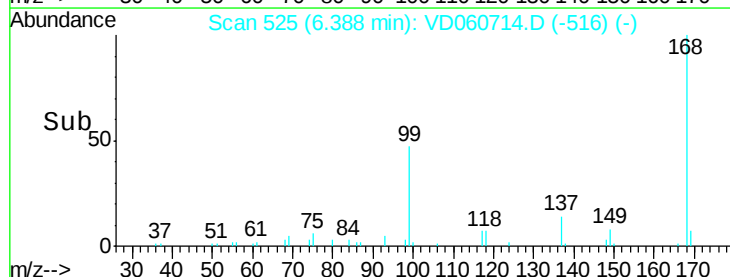
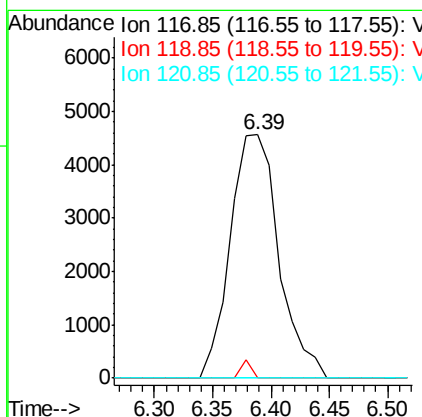
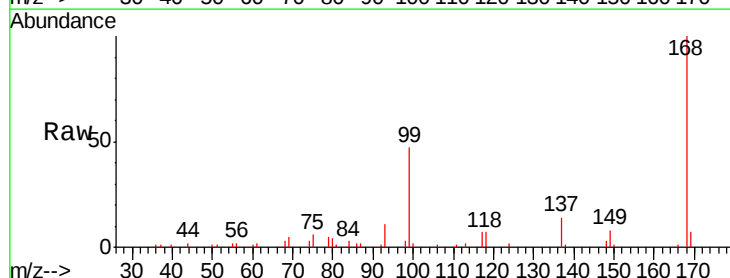
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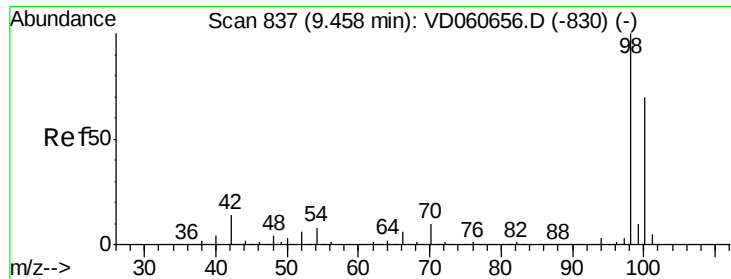
Tgt Ion: 75 Resp: 11173
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.9 56.7#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.858 ug/l
 RT: 6.39 min Scan# 525
 Delta R.T. -0.11 min
 Lab File: VD060714.D
 Acq: 26 Dec 2018 13:07

Tgt Ion: 117 Resp: 13168
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.0 115.4#
 121 0.0 24.7 37.1#

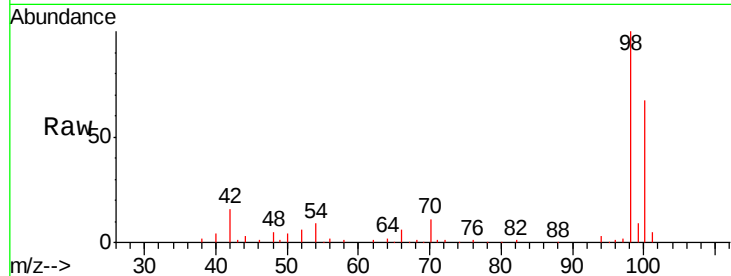




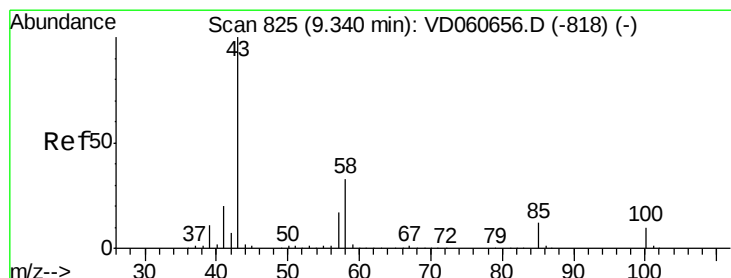
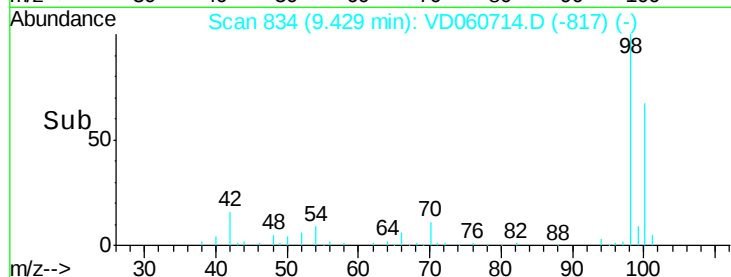
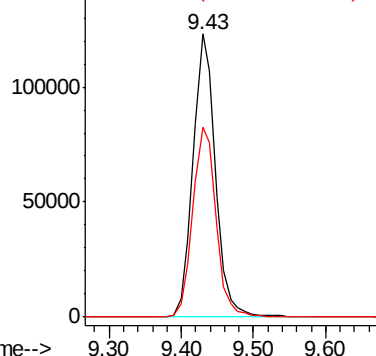
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 834
Delta R.T. -0.03 min
Lab File: VD060714.D
Acq: 26 Dec 2018 13:07

Instrument :
MSVOA_D
ClientSampleId :
BU-03-122118

Tgt Ion: 98 Resp: 263901
Ion Ratio Lower Upper
98 100
100 66.9 55.8 83.8

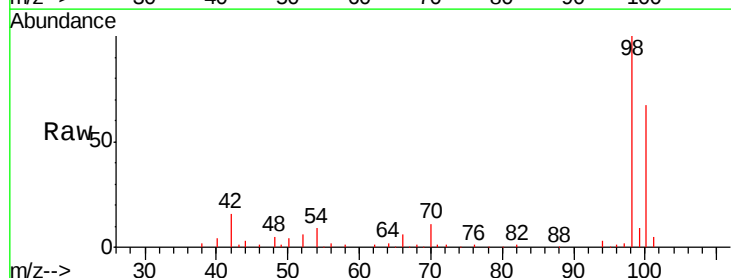


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

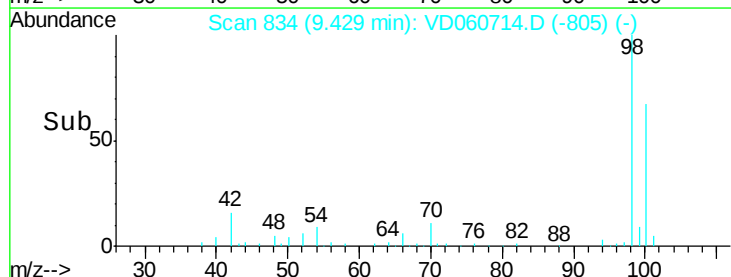
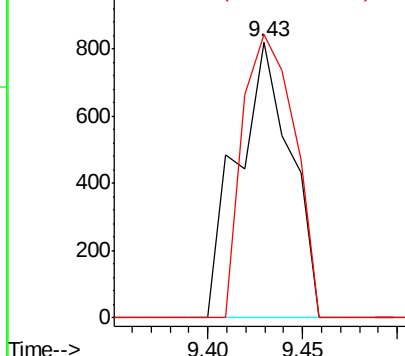


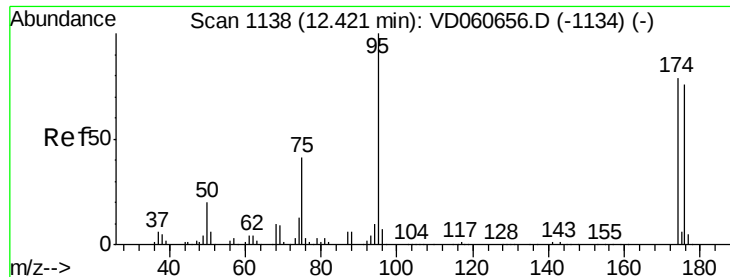
#51
4-Methyl-2-Pentanone
Concen: 1.593 ug/l
RT: 9.43 min Scan# 834
Delta R.T. 0.09 min
Lab File: VD060714.D
Acq: 26 Dec 2018 13:07

Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
58 102.6 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

Instrument :

MSVOA_D

ClientSampleId :

BU-03-122118

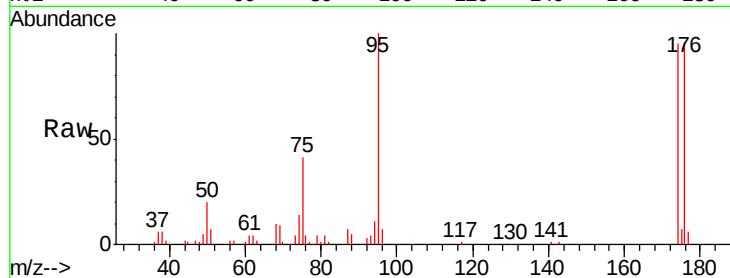
Tgt Ion: 95 Resp: 103064

Ion Ratio Lower Upper

95 100

174 95.3 0.0 158.2

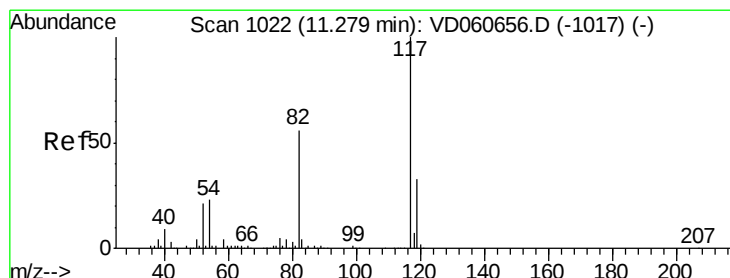
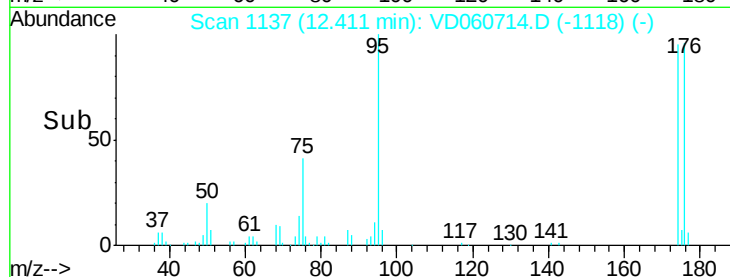
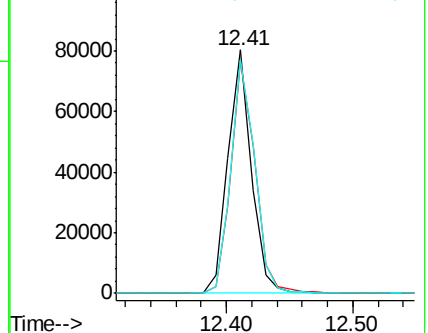
176 95.7 0.0 152.4



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: 11.26 min Scan# 1020

Delta R.T. -0.02 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

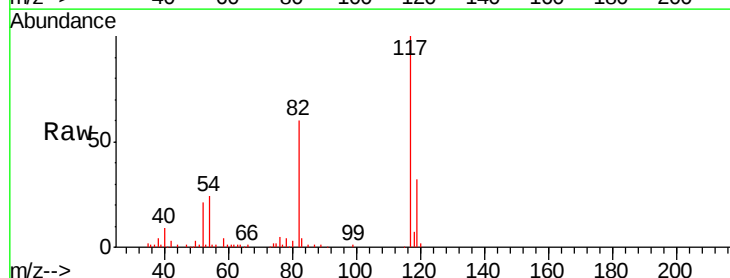
Tgt Ion: 117 Resp: 274678

Ion Ratio Lower Upper

117 100

82 59.7 44.5 66.7

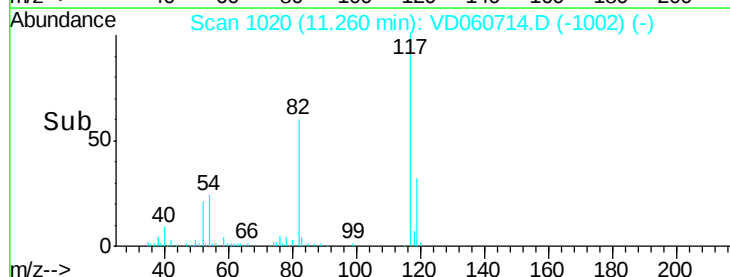
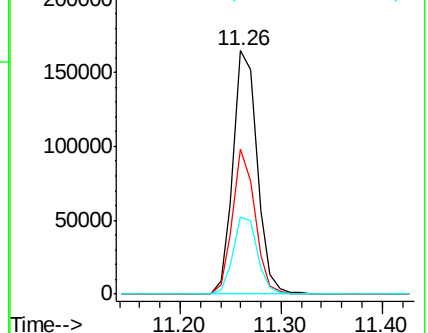
119 31.6 26.3 39.5

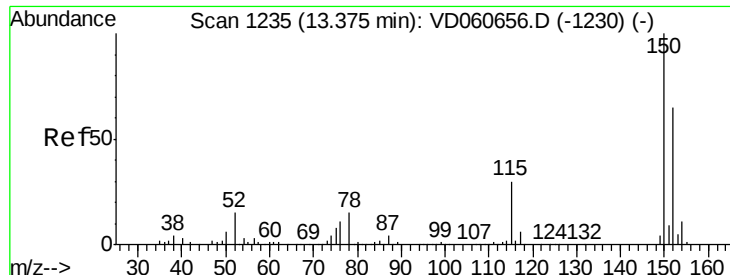


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

Instrument :

MSVOA_D

ClientSampleId :

BU-03-122118

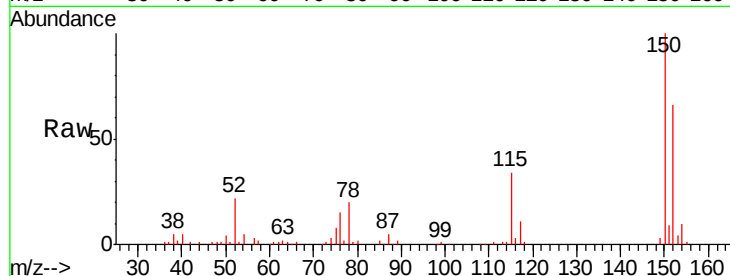
Tgt Ion:152 Resp: 133385

Ion Ratio Lower Upper

152 100

115 51.3 24.1 72.3

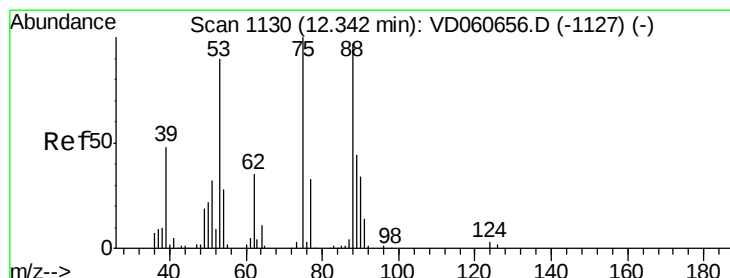
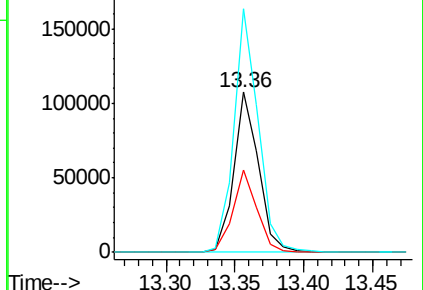
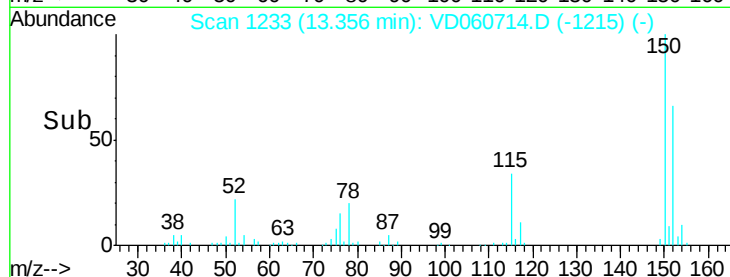
150 152.1 0.0 315.0



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: 100.918 ug/l

RT: 12.41 min Scan# 1137

Delta R.T. 0.07 min

Lab File: VD060714.D

Acq: 26 Dec 2018 13:07

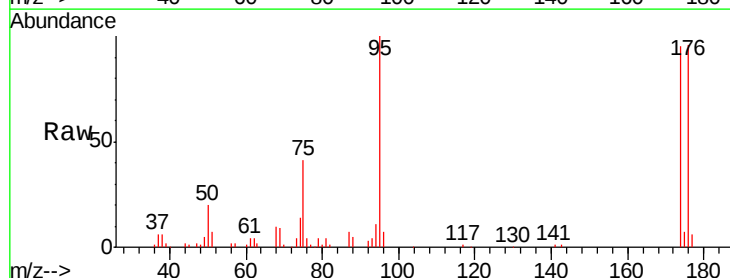
Tgt Ion: 75 Resp: 42347

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

