

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061438.D
 Acq On : 29 Mar 2019 19:10
 Operator : VA/AP
 Sample : K1685-09
 Misc : 7.16g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	483271	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	793424	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	581724	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	218016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	229529	55.60	ug/l	0.02
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	6.92	113	346192	57.10	ug/l	0.02
Spiked Amount			Recovery	=	114.20%	
50) Toluene-d8	10.41	98	757709	52.10	ug/l	0.02
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	13.56	95	261648	46.92	ug/l	0.01
Spiked Amount			Recovery	=	93.84%	

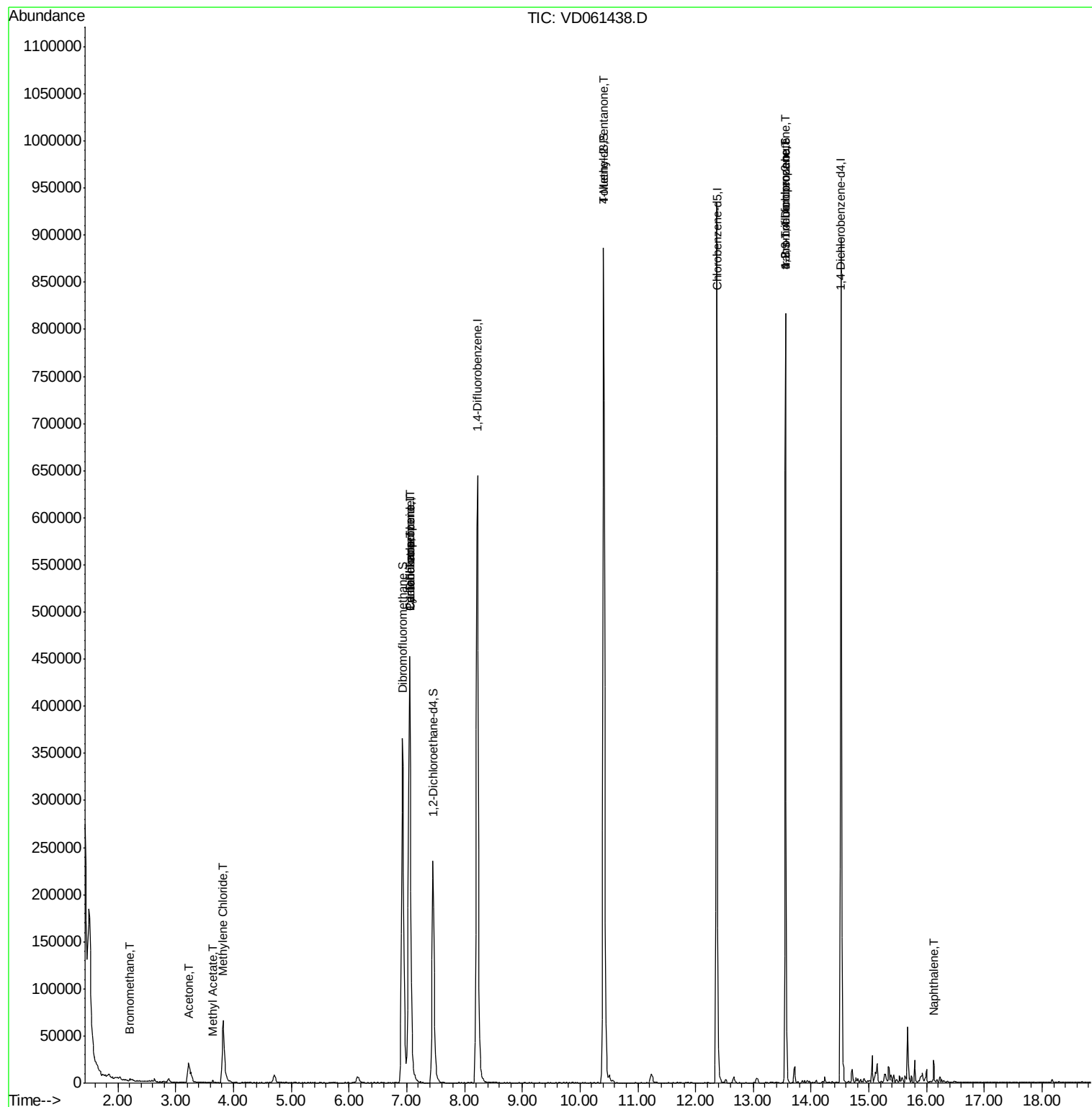
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	852	1.112	ug/l #	10
16) Acetone	3.22	43	43959	41.422	ug/l	99
18) Methyl Acetate	3.65	43	3819	1.712	ug/l #	55
20) Methylene Chloride	3.82	84	51205	6.960	ug/l	92
31) Cyclohexane	7.05	56	7931	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	34647	5.003	ug/l #	43
38) Carbon Tetrachloride	7.04	117	44404	5.580	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	3024	1.154	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	85049	27.006	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	94544	98.461	ug/l #	18
95) Naphthalene	16.12	128	15879	3.660	ug/l	96

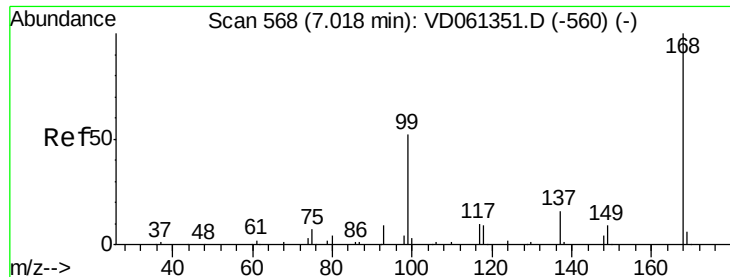
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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Quant Time: Mar 29 23:46:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

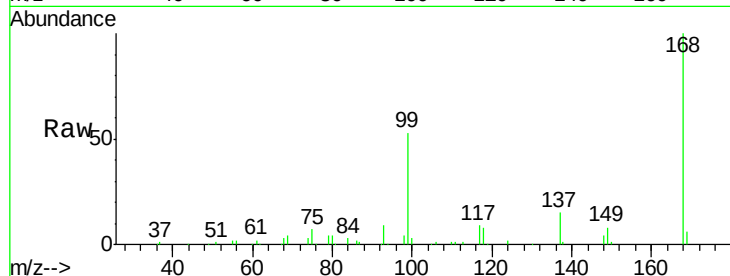
ClientSampleId :

Tot Ion:168 Resp: 483271

Ion Ratio Lower Upper

168 100

99 52.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

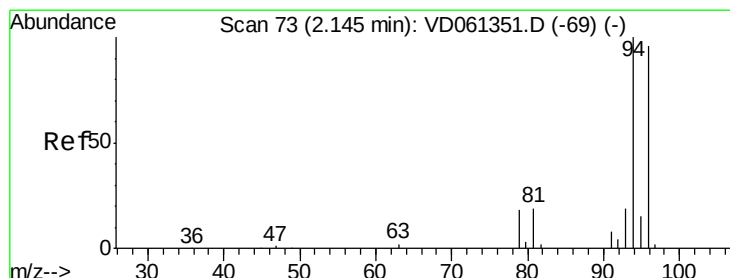
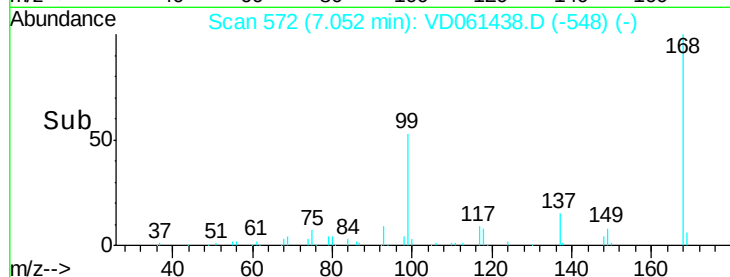
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.112 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.06 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

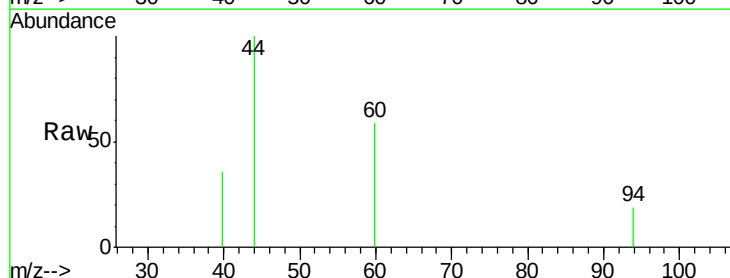
Tgt Ion: 94 Resp: 852

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

600

500

400

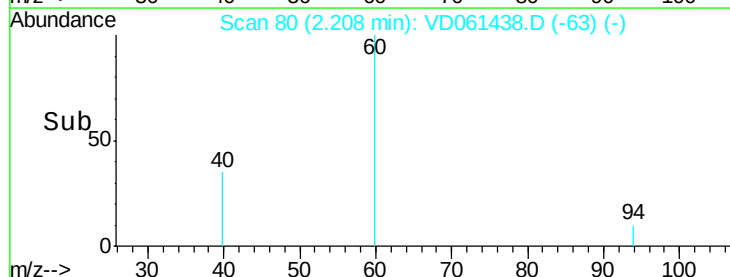
300

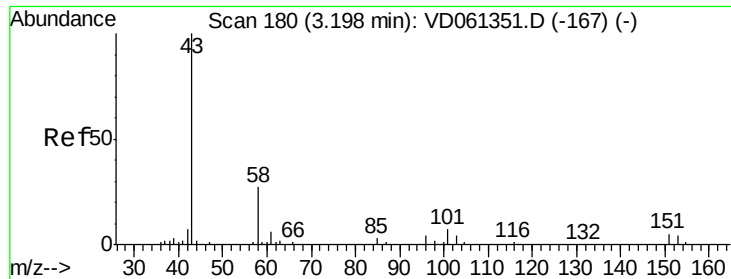
200

100

0

Time-->





#16

Acetone

Concen: 41.422 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

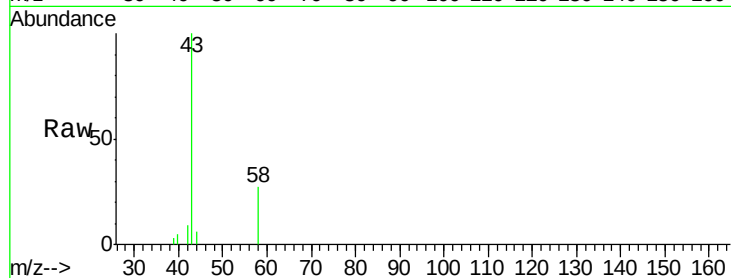
ClientSampleId :

Tot Ion: 43 Resp: 43959

Ion Ratio Lower Upper

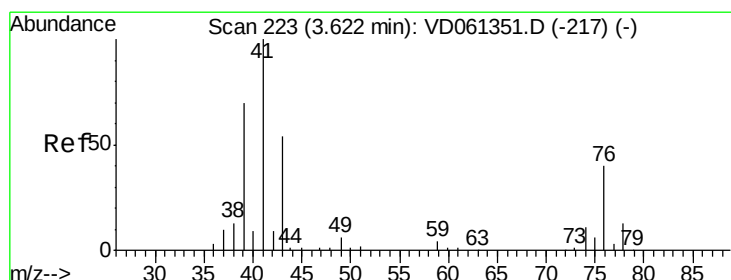
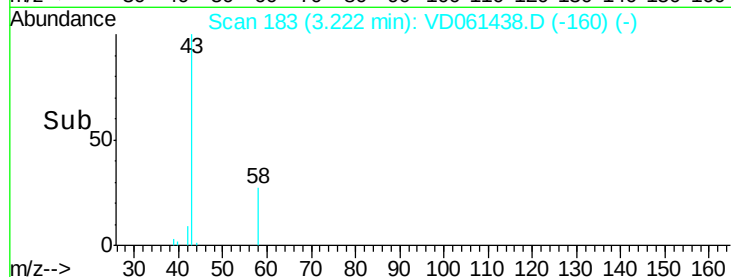
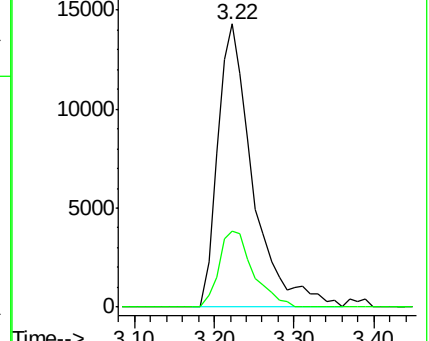
43 100

58 26.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.712 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061438.D

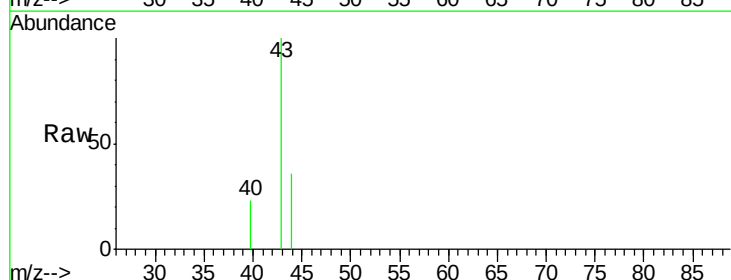
Acq: 29 Mar 2019 19:10

Tgt Ion: 43 Resp: 3819

Ion Ratio Lower Upper

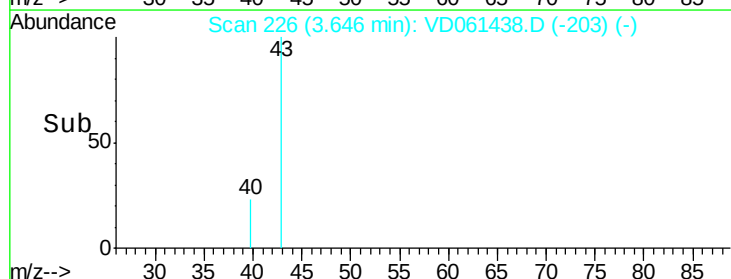
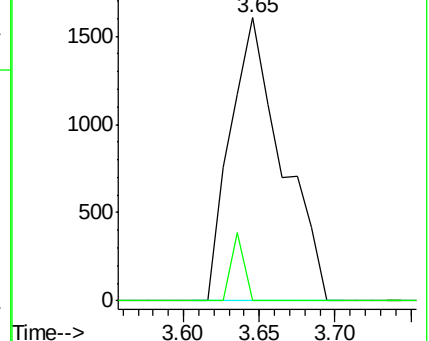
43 100

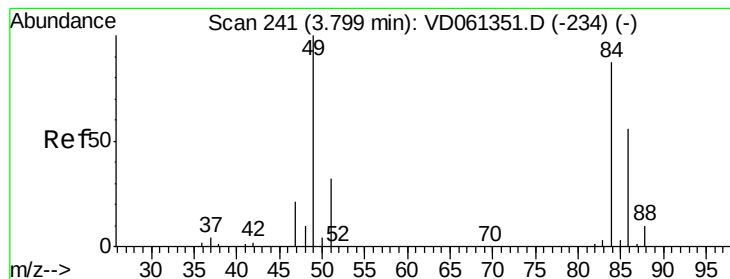
74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 6.960 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 51205

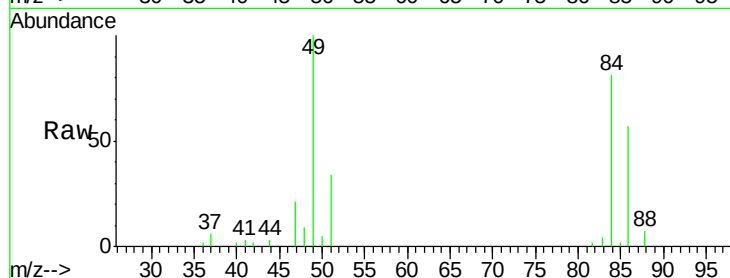
Ion Ratio Lower Upper

84 100

49 123.4 91.8 137.8

51 41.4 29.8 44.8

86 70.7 51.8 77.6

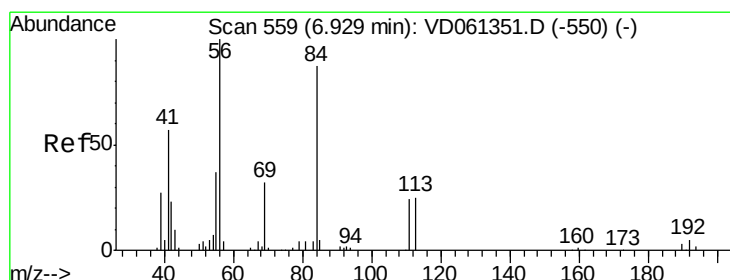
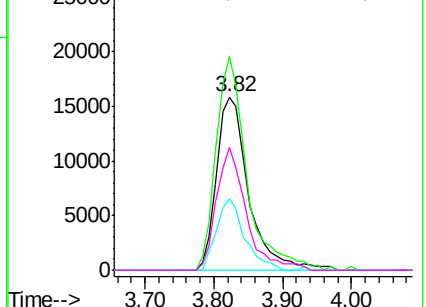
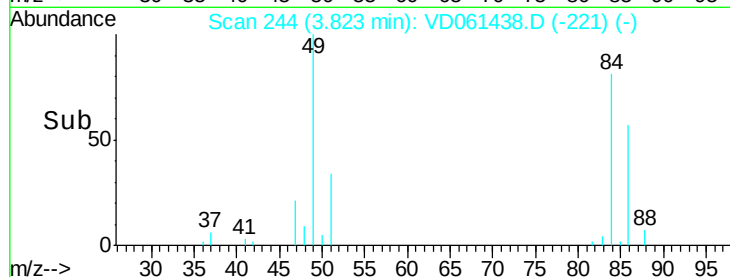


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

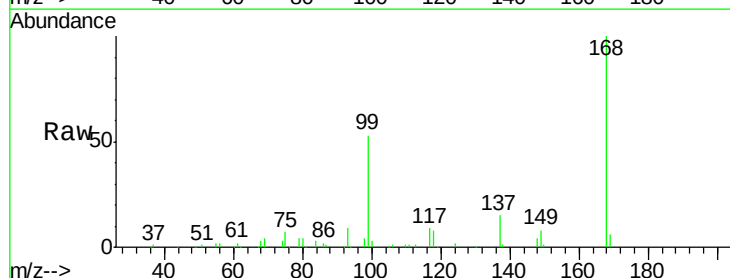
Tgt Ion: 56 Resp: 7931

Ion Ratio Lower Upper

56 100

69 255.4 25.7 38.5#

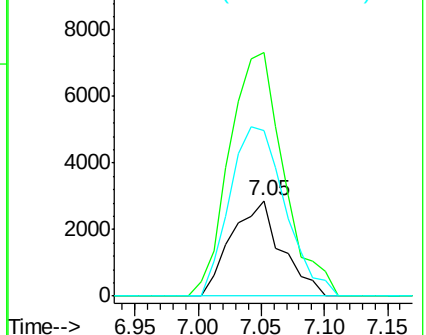
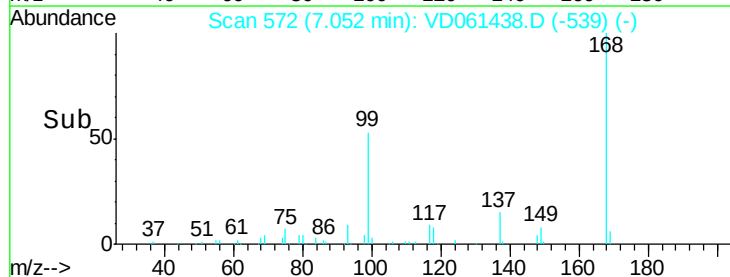
84 173.8 70.6 105.8#

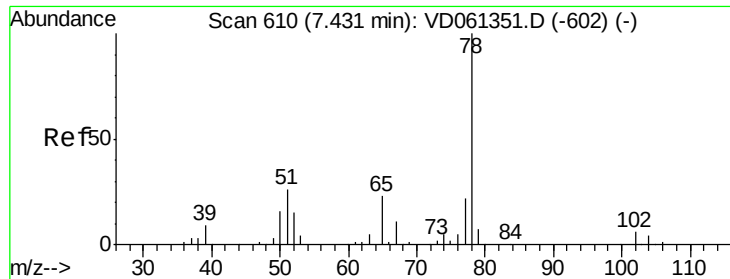


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

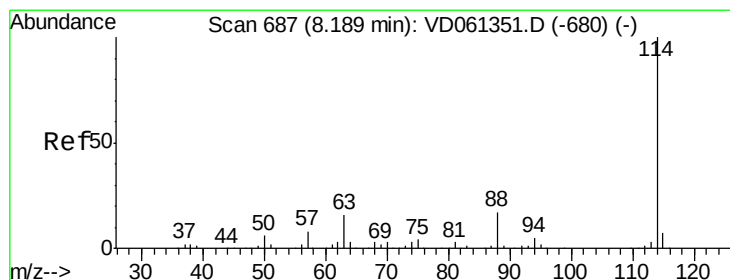
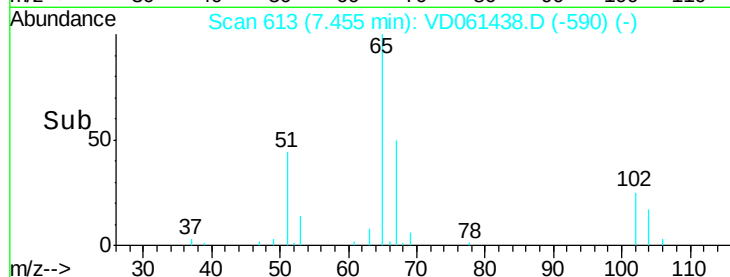
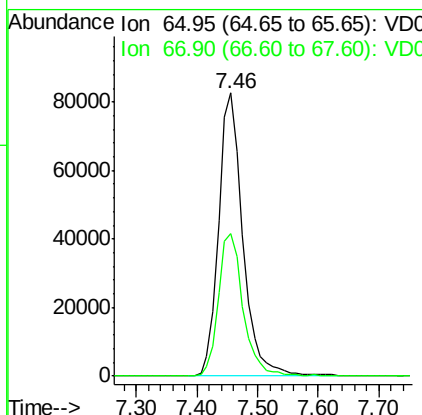
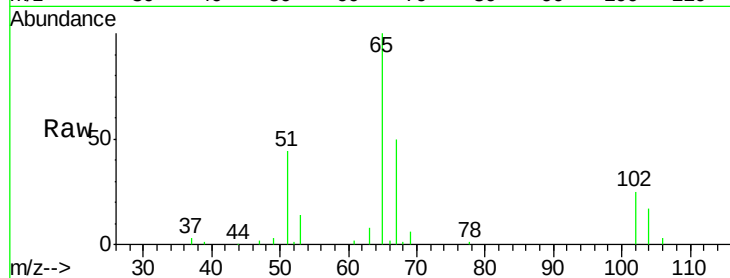




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

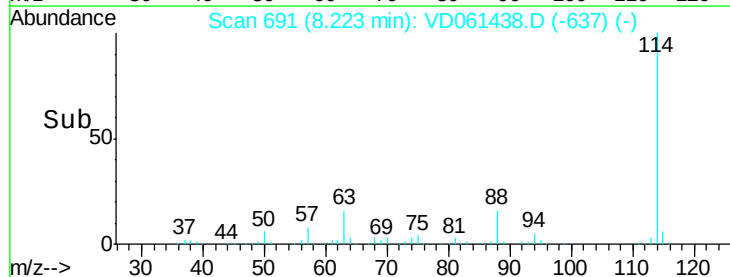
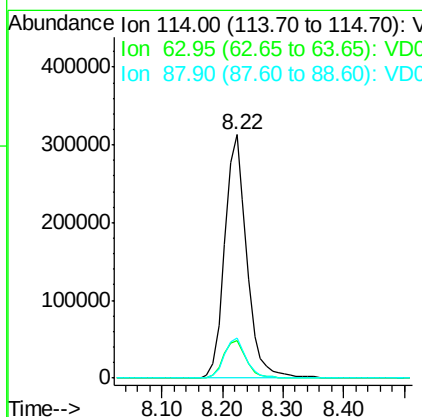
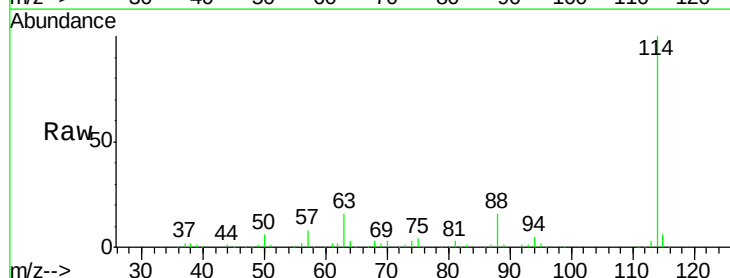
Instrument :
 MSVOA_D
 ClientSampled :

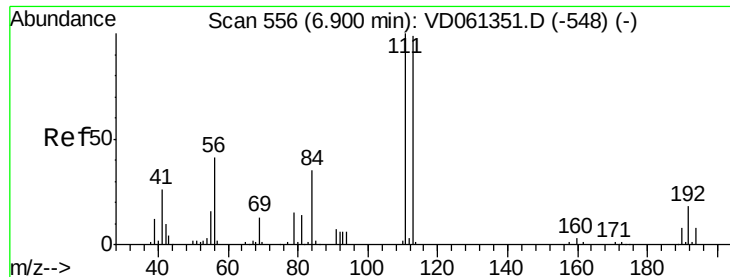
Tot Ion: 65 Resp: 229529
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

Tgt Ion: 114 Resp: 793424
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.5 0.0 33.4

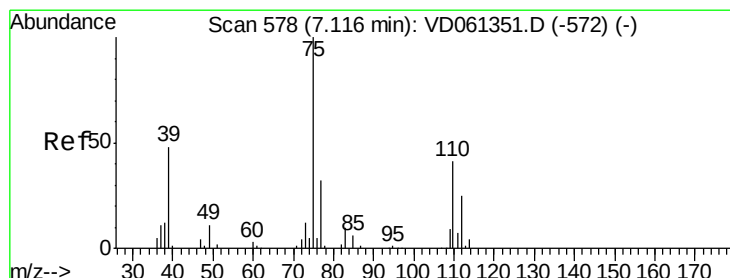
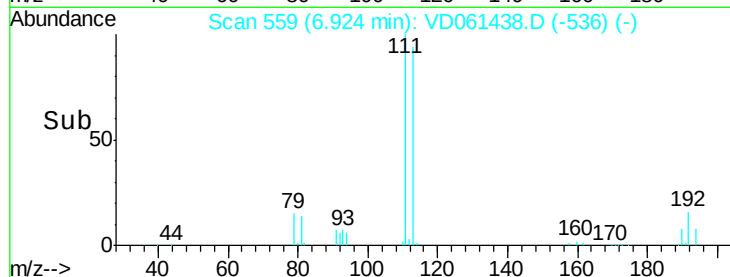
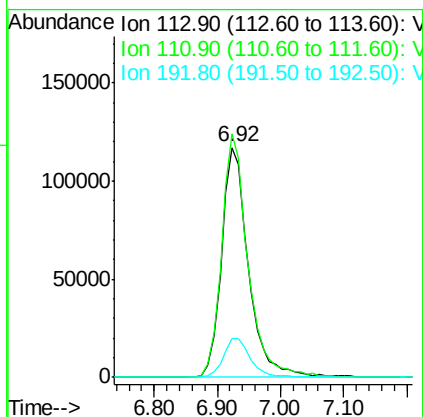
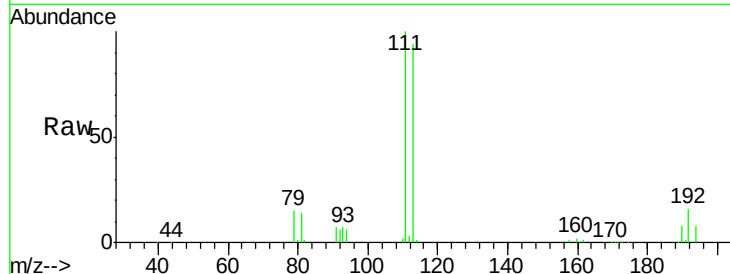




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

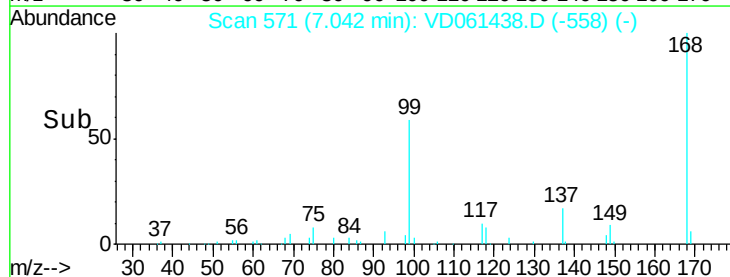
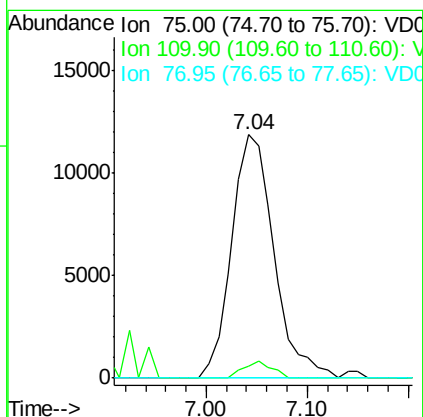
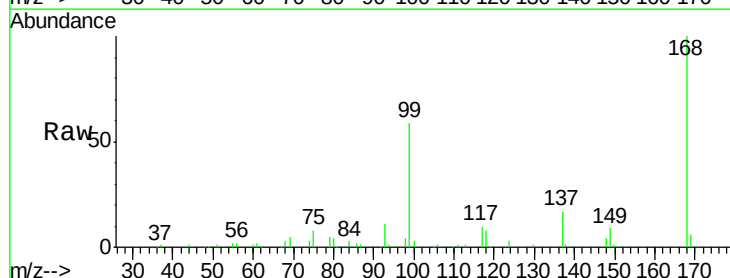
Instrument :
 MSVOA_D
 ClientSampleId :

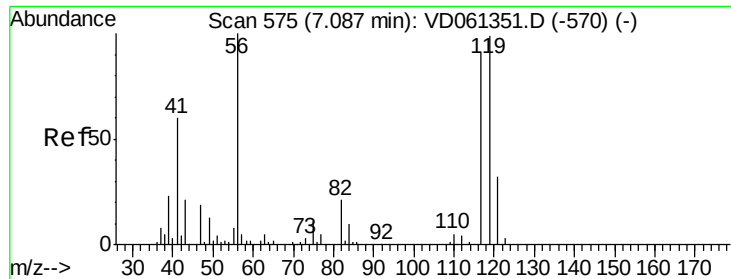
Tot Ion:113 Resp: 346192
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.0 121.6
 192 16.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.003 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

Tgt Ion: 75 Resp: 34647
 Ion Ratio Lower Upper
 75 100
 110 5.0 20.4 61.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.580 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

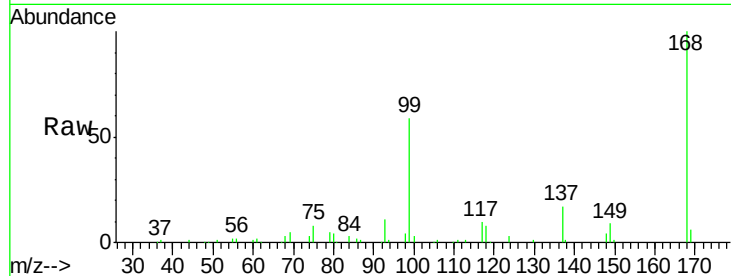
Tot Ion:117 Resp: 44404

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

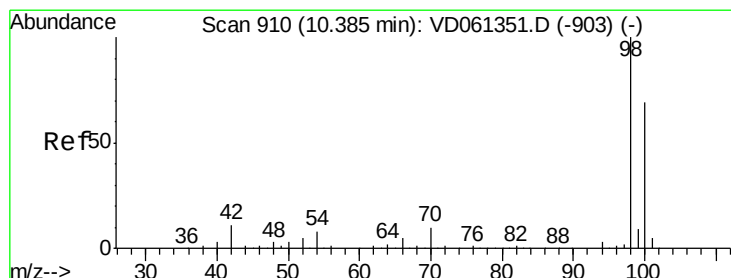
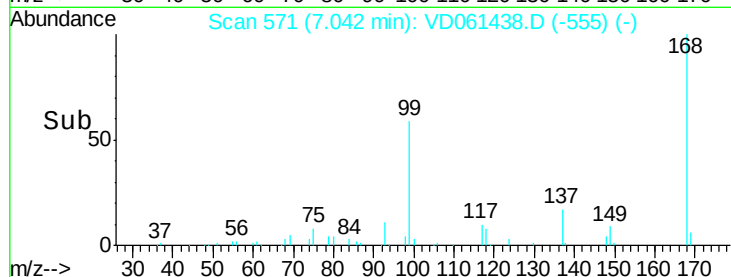
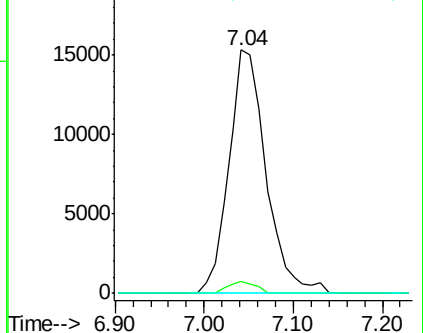
121 0.0 25.6 38.4#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061438.D

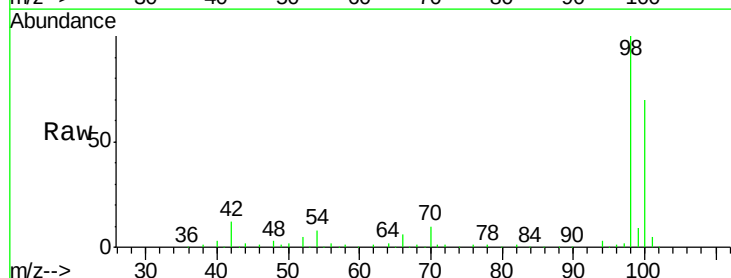
Acq: 29 Mar 2019 19:10

Tgt Ion: 98 Resp: 757709

Ion Ratio Lower Upper

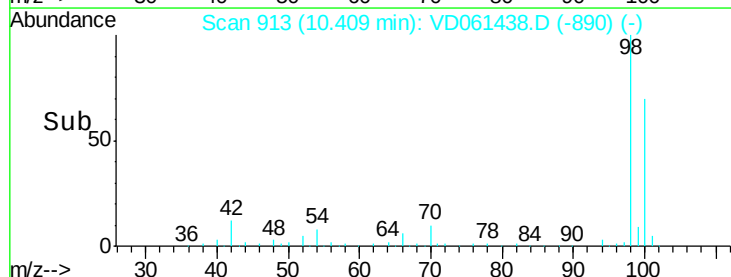
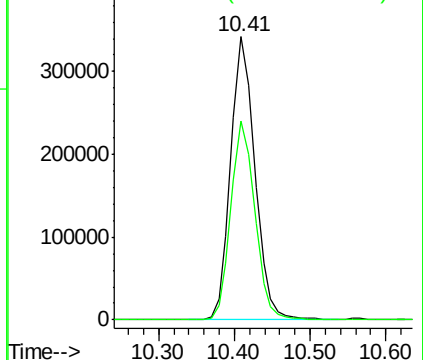
98 100

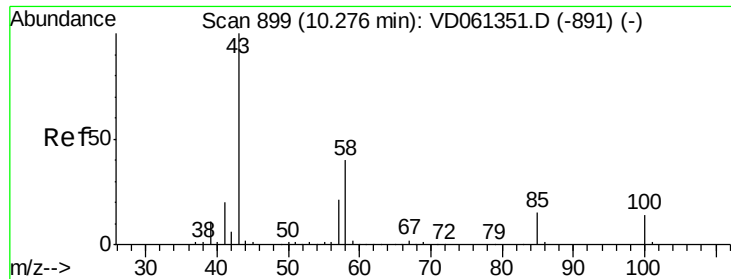
100 70.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.154 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

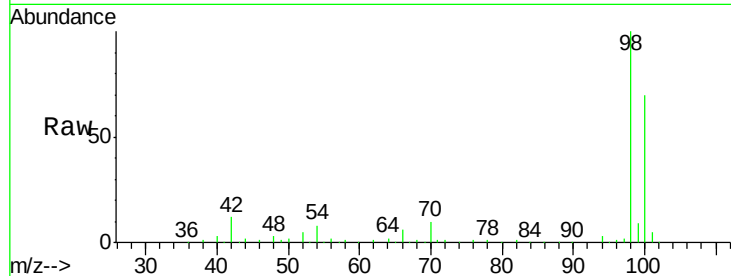
ClientSampled :

Tot Ion: 43 Resp: 3024

Ion Ratio Lower Upper

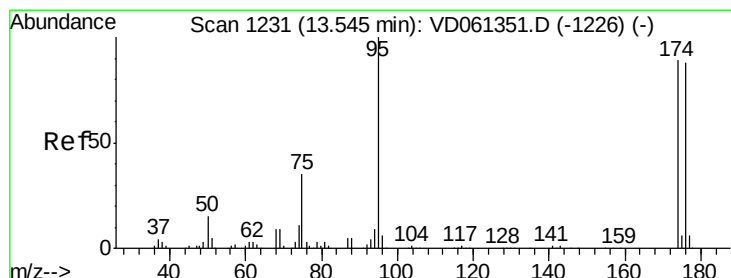
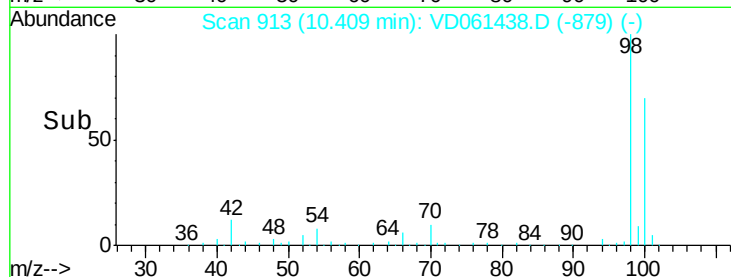
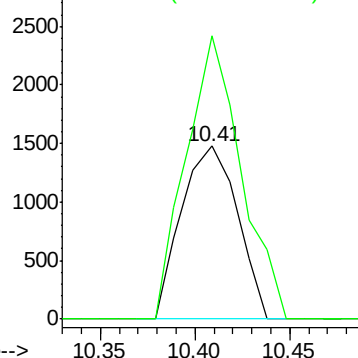
43 100

58 163.6 31.8 47.8#



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

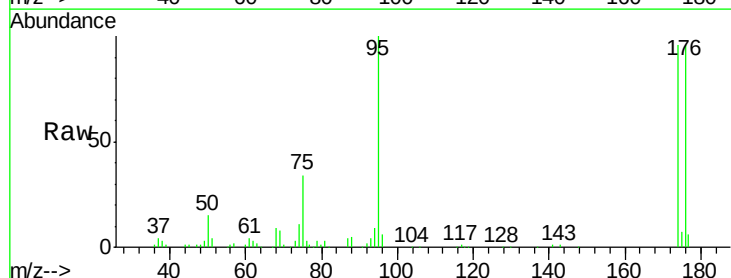
Tgt Ion: 95 Resp: 261648

Ion Ratio Lower Upper

95 100

174 96.4 0.0 178.0

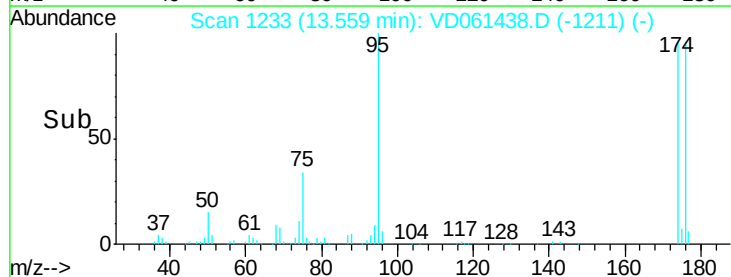
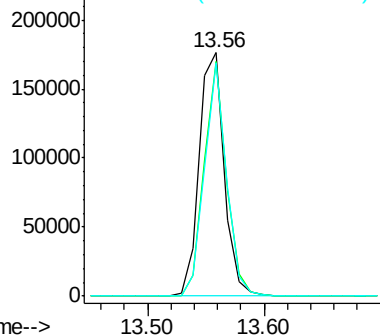
176 95.8 0.0 175.0

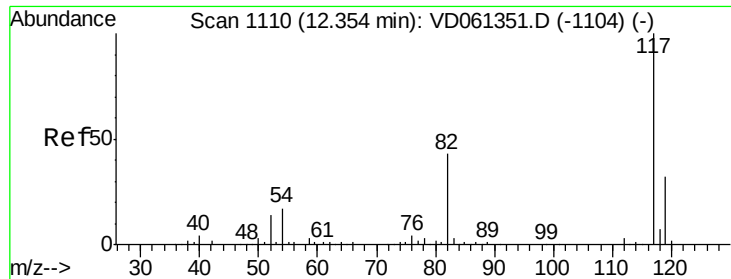


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

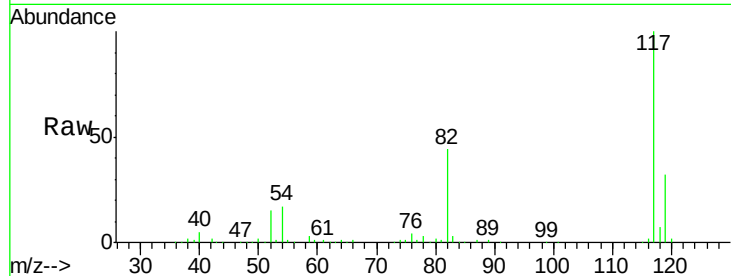




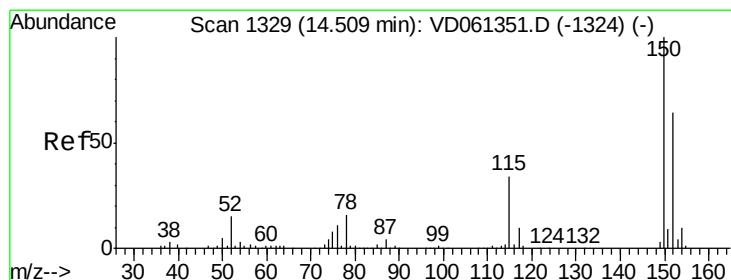
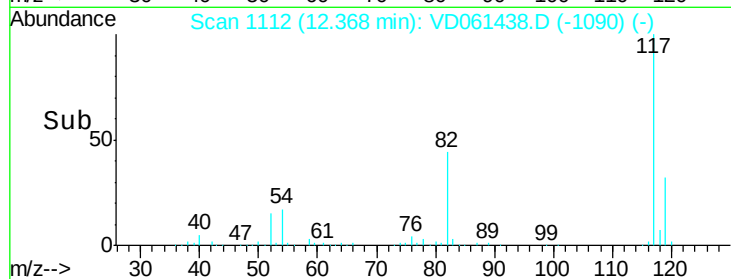
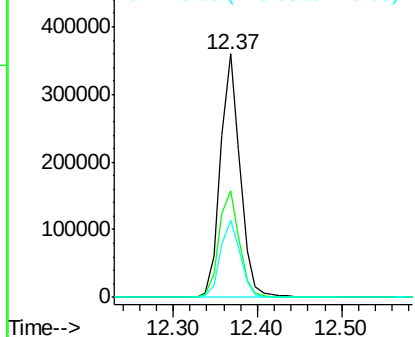
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 581724
 Ion Ratio Lower Upper
 117 100
 82 43.8 34.4 51.6
 119 31.7 25.8 38.6

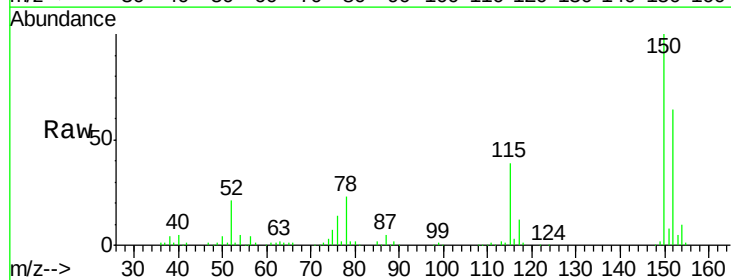


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

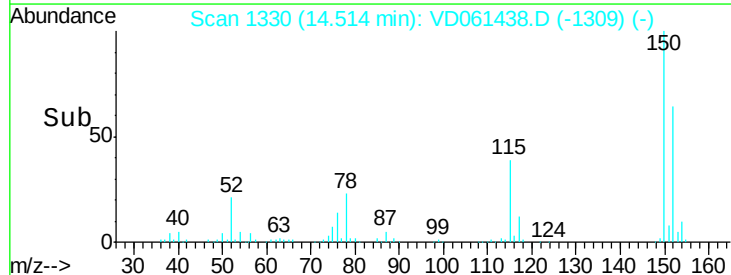
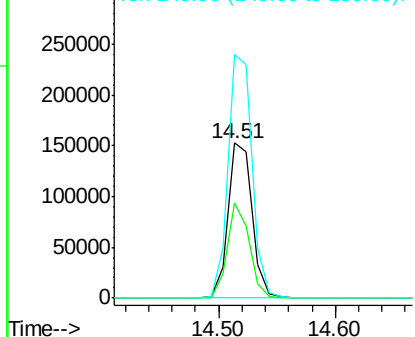


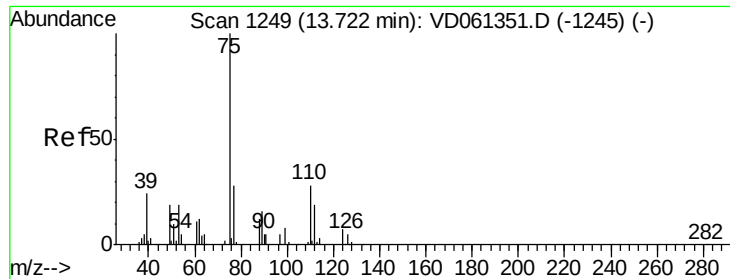
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061438.D
 Acq: 29 Mar 2019 19:10

Tgt Ion:152 Resp: 218016
 Ion Ratio Lower Upper
 152 100
 115 61.4 26.9 80.6
 150 157.1 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





#76

1,2,3-Trichloropropane

Concen: 27.006 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

Instrument :

MSVOA_D

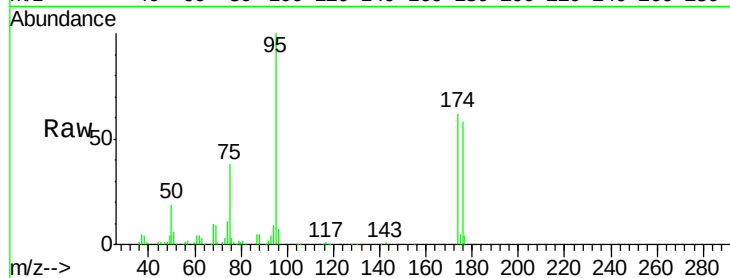
ClientSampleId :

Tot Ion: 75 Resp: 85049

Ion Ratio Lower Upper

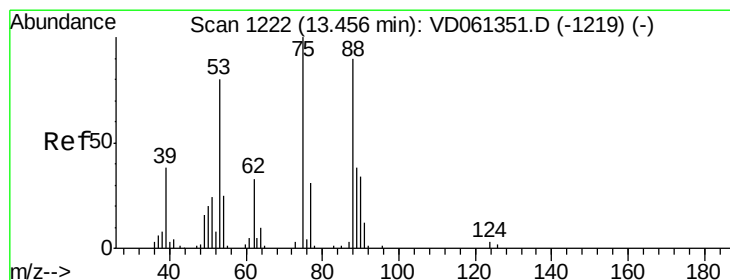
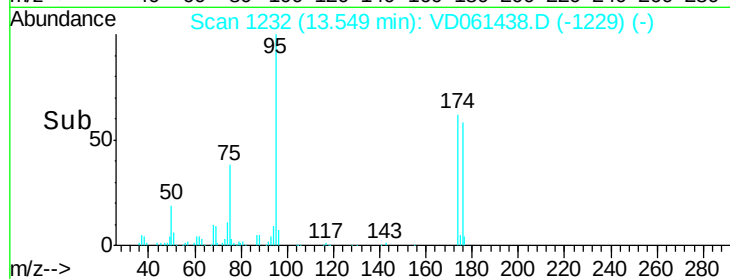
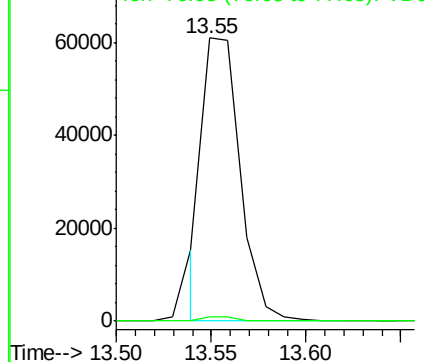
75 100

77 1.4 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 98.461 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061438.D

Acq: 29 Mar 2019 19:10

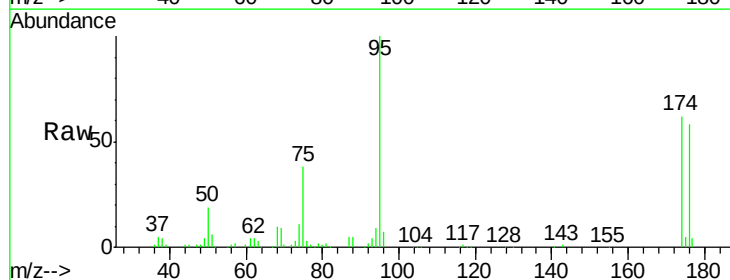
Tgt Ion: 75 Resp: 94544

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

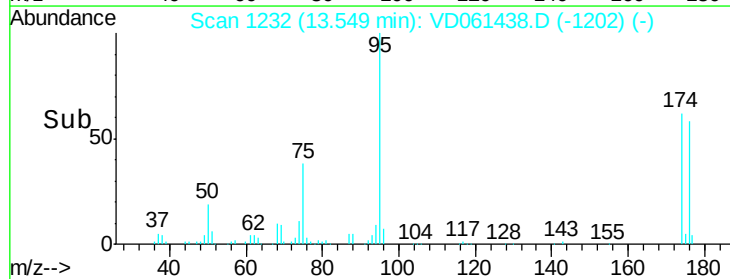
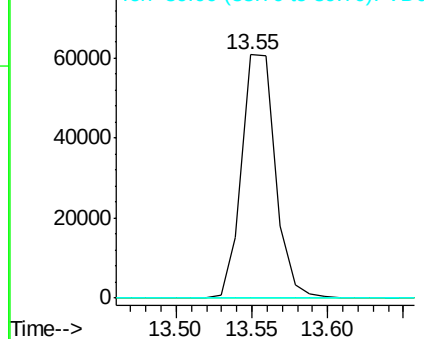
89 0.0 30.5 45.7#

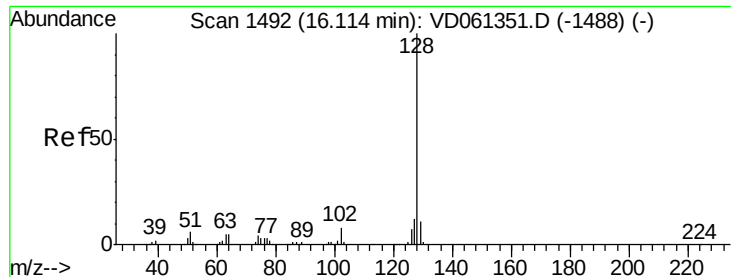


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 3.660 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061438.D
Acq: 29 Mar 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 15879
Ion Ratio Lower Upper
128 100
127 13.8 9.9 14.9
129 12.4 8.9 13.3

