

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061765.D
 Acq On : 12 Apr 2019 5:10
 Operator : VA/AP
 Sample : K2342-14
 Misc : 4.43g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 05:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	46806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	92290	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	66568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	25134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	45202	127.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	254.82%	
35) Dibromofluoromethane	6.91	113	48828	76.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.74%	
50) Toluene-d8	10.40	98	85644	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	13.55	95	32409	59.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.62%	

Target Compounds

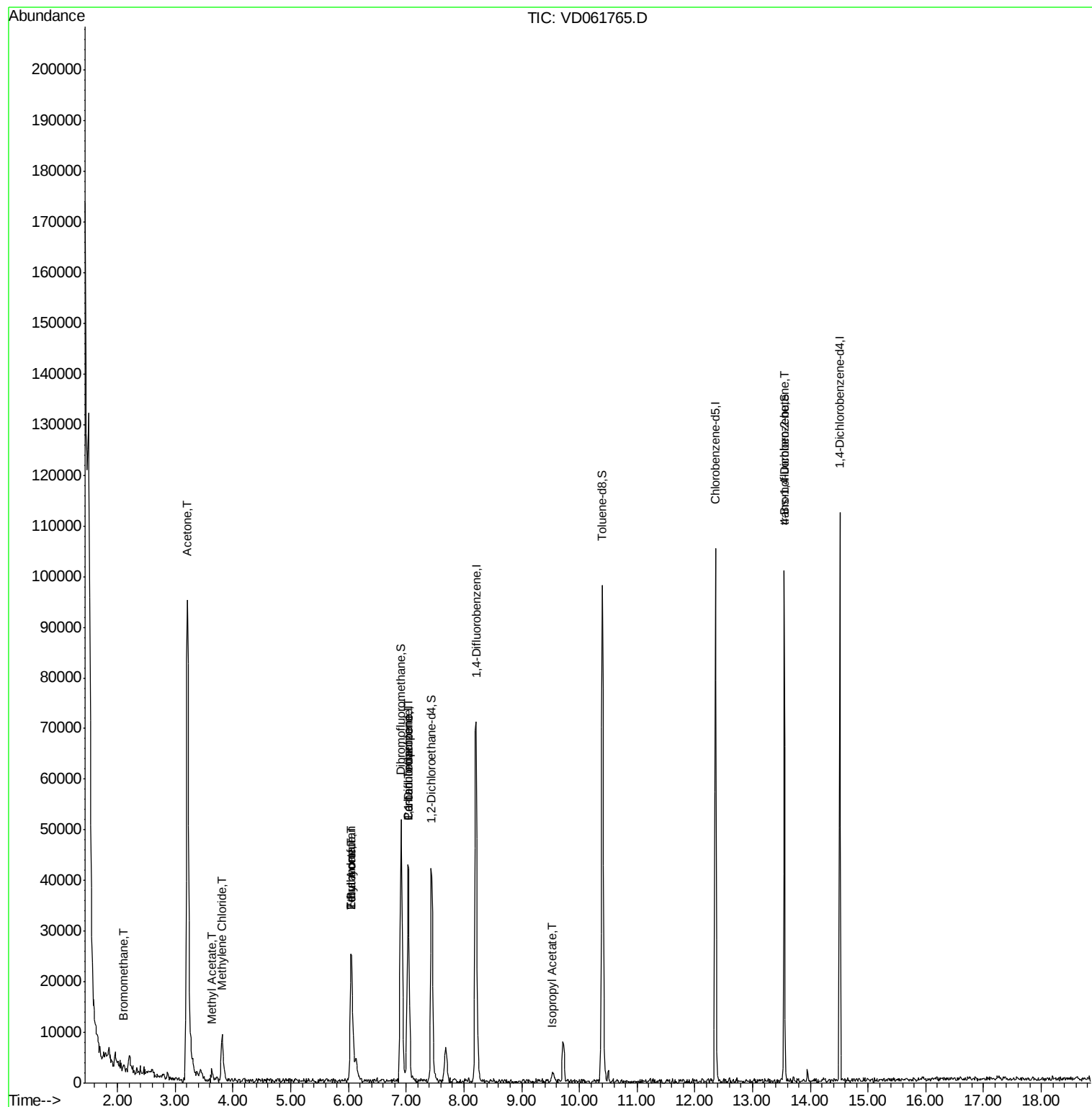
					Qvalue	
5) Bromomethane	2.11	94	179	2.028	ug/l #	12
16) Acetone	3.21	43	188435	1776.723	ug/l	98
18) Methyl Acetate	3.63	43	3438	17.230	ug/l	96
20) Methylene Chloride	3.82	84	7235	12.022	ug/l #	87
25) 2-Butanone	6.04	43	60605	495.680	ug/l	98
29) Tetrahydrofuran	6.05	42	3364	56.995	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	2894	3.583	ug/l #	39
37) Ethyl Acetate	6.04	43	60603	184.210	ug/l #	68
38) Carbon Tetrachloride	7.04	117	3715	3.924	ug/l #	11
43) Isopropyl Acetate	9.53	43	1916	4.013	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	10892	104.967	ug/l #	20

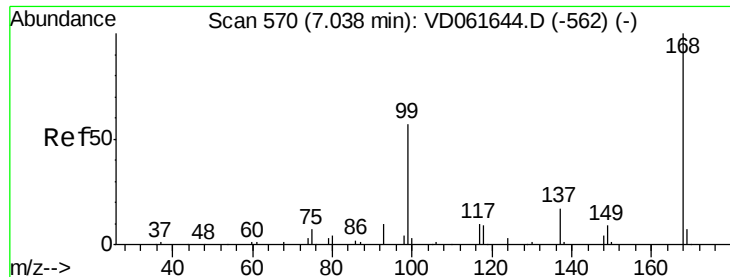
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 12 05:54:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

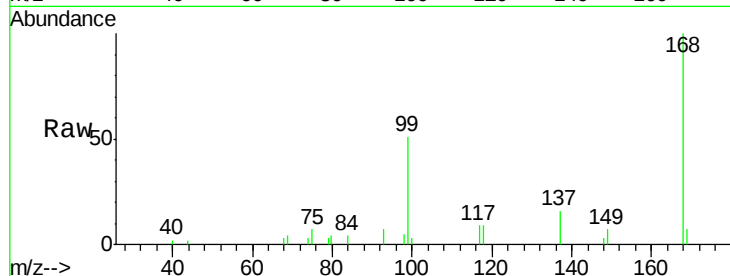
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 46806

Ion Ratio Lower Upper

168 100

99 51.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

20000

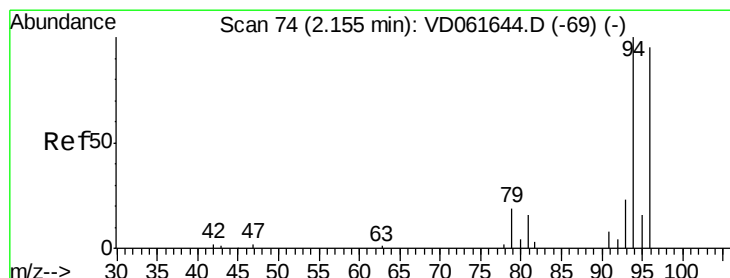
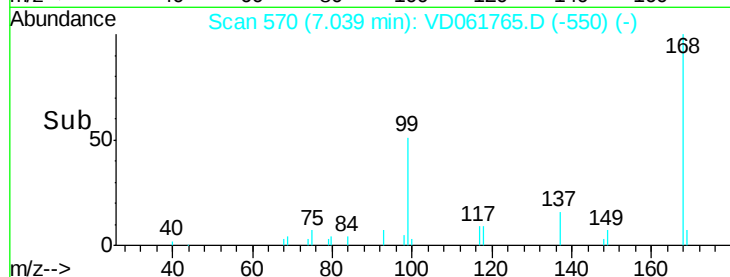
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.028 ug/l

RT: 2.11 min Scan# 69

Delta R.T. -0.05 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

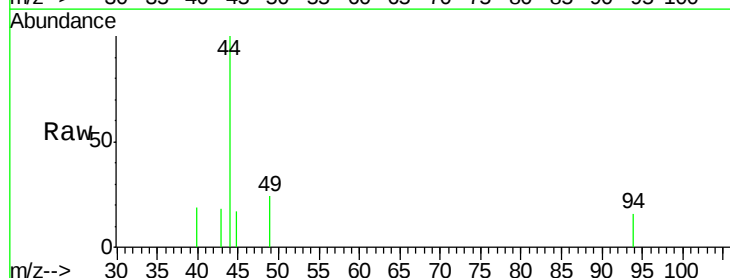
Tgt Ion: 94 Resp: 179

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

93 0.0 18.6 28.0#



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

500

400

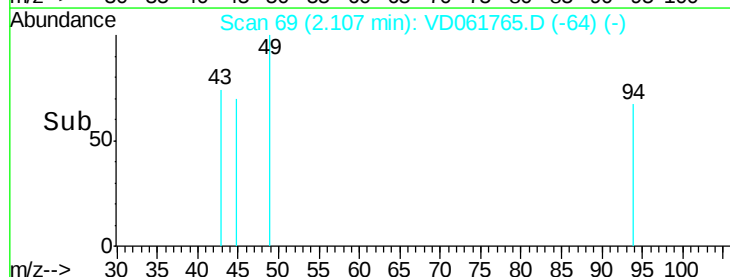
300

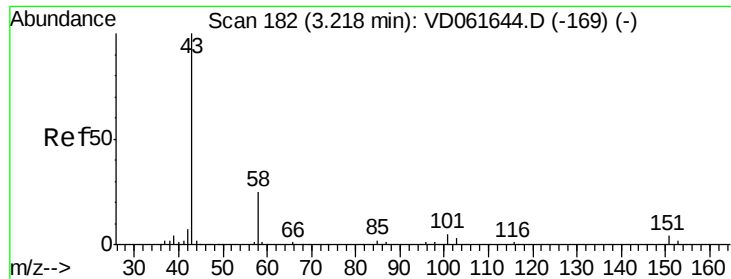
200

100

0

Time--> 2.08 2.10 2.12





#16

Acetone

Concen: 1776.723 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

Instrument :

MSVOA_D

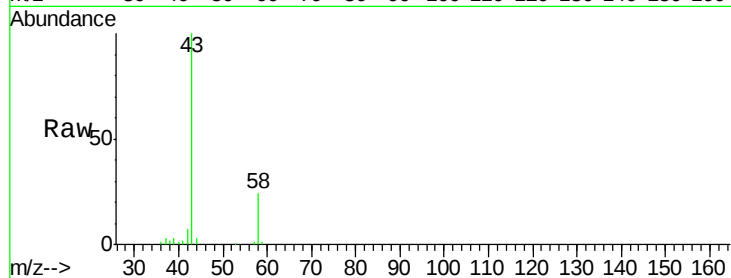
ClientSampleId :

Tot Ion: 43 Resp: 188435

Ion Ratio Lower Upper

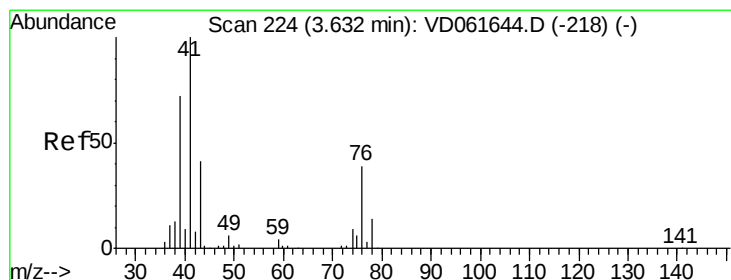
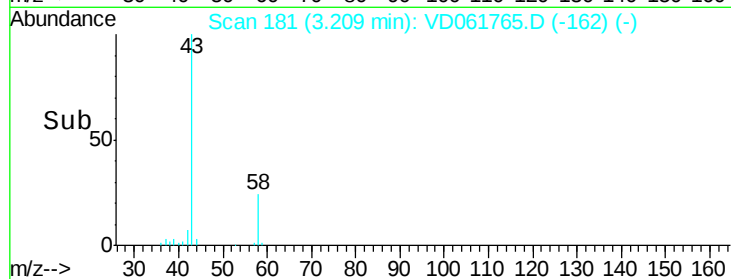
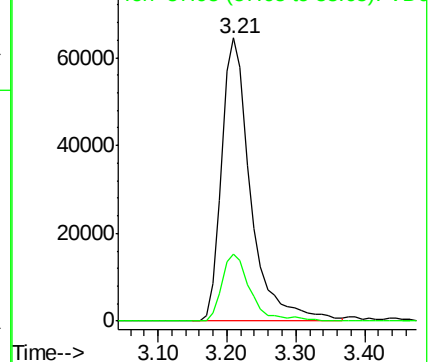
43 100

58 23.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 17.230 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061765.D

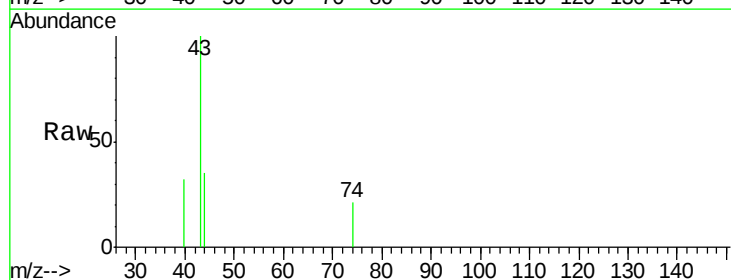
Acq: 12 Apr 2019 5:10

Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

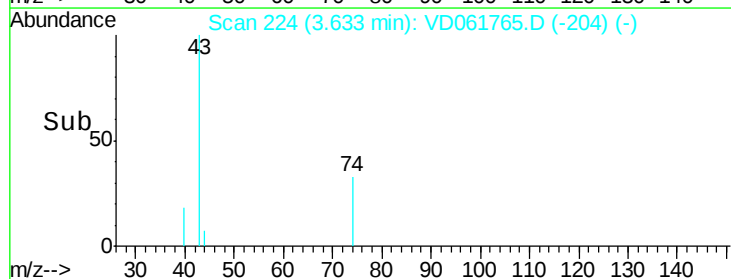
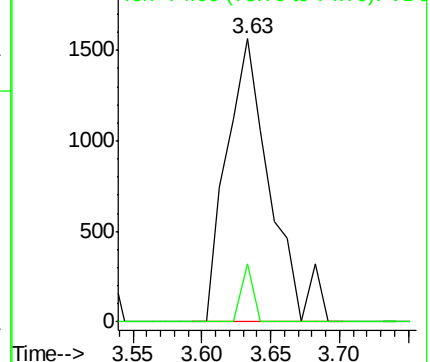
43 100

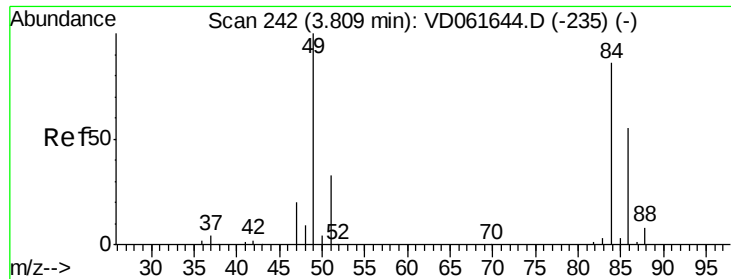
74 20.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

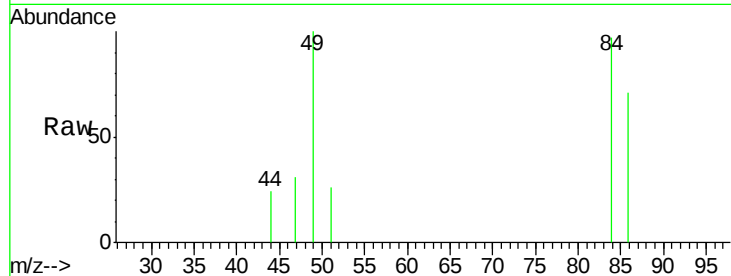




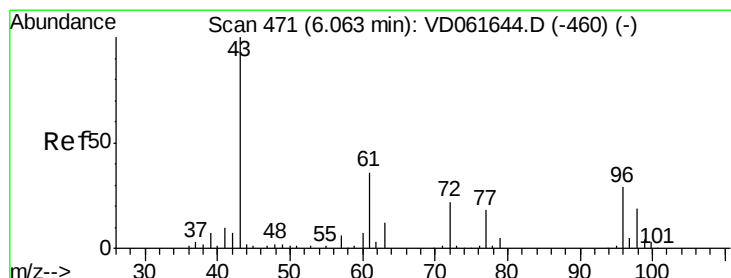
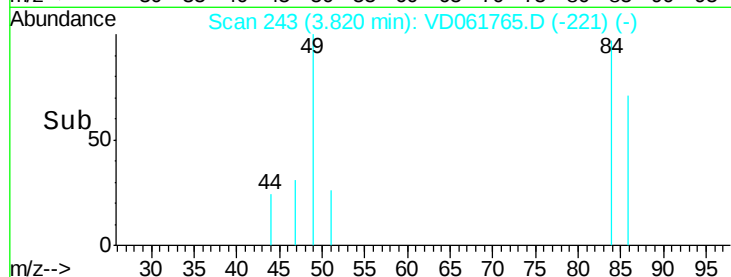
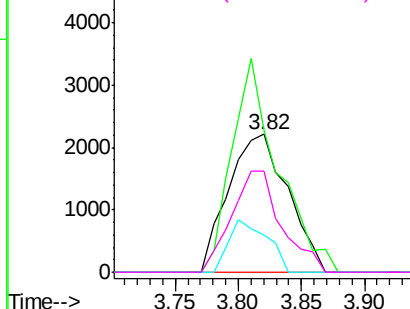
#20
Methvlene Chloride
Concen: 12.022 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 7235
Ion Ratio Lower Upper
84 100
49 103.4 93.0 139.4
51 27.1 30.4 45.6#
86 73.1 51.0 76.4

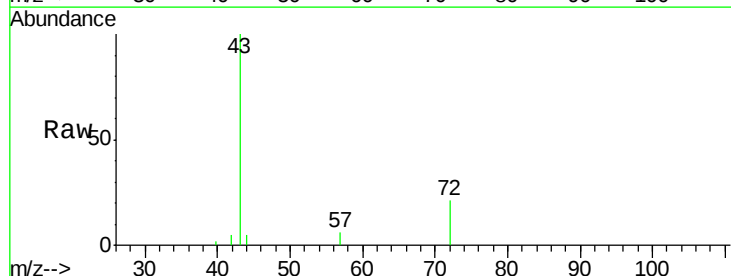


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

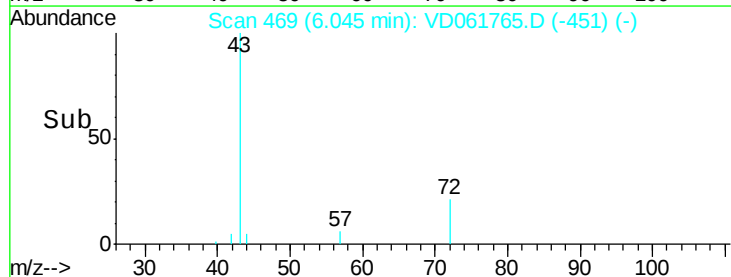
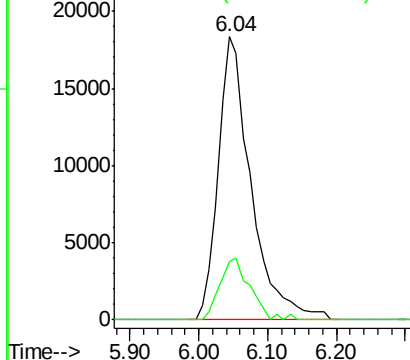


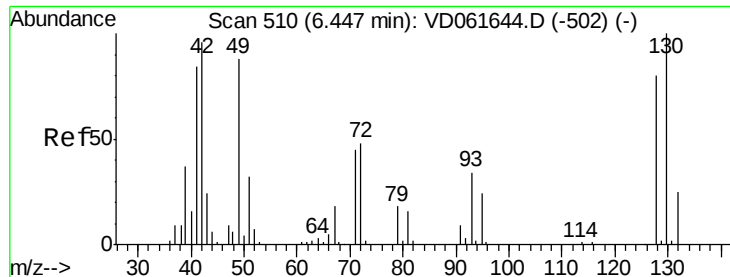
#25
2-Butanone
Concen: 495.680 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.02 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Tgt Ion: 43 Resp: 60605
Ion Ratio Lower Upper
43 100
72 20.8 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

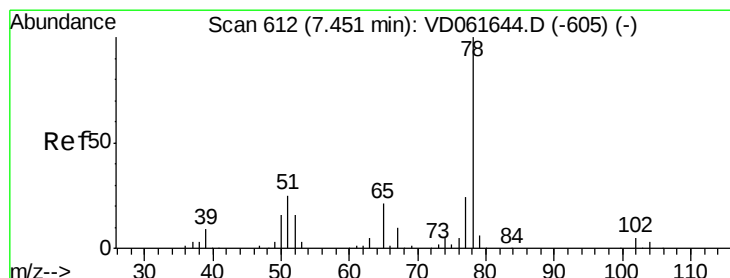
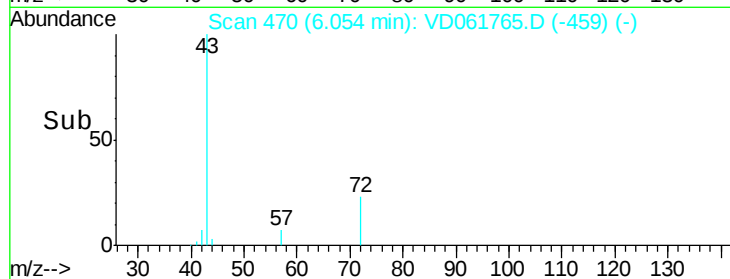
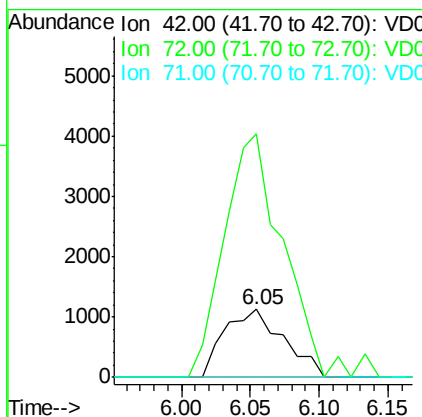
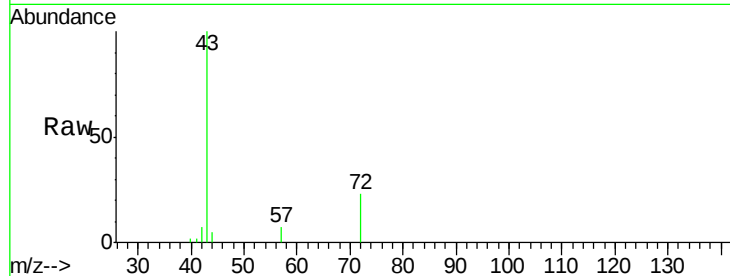




#29
Tetrahydrofuran
Concen: 56.995 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.39 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

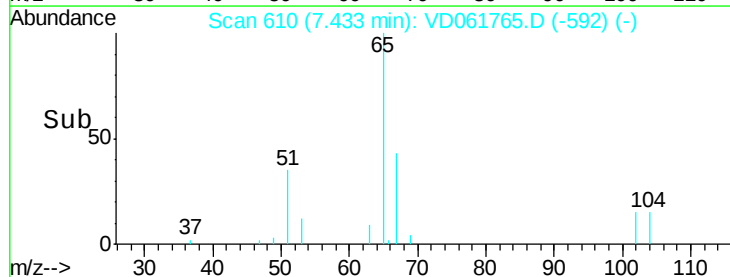
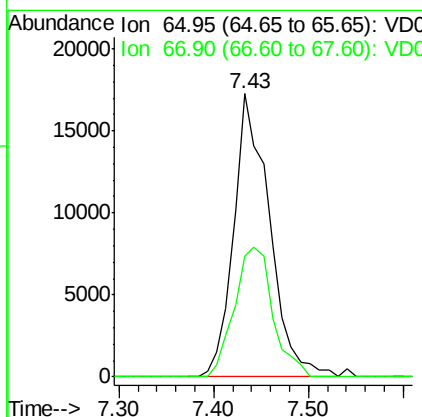
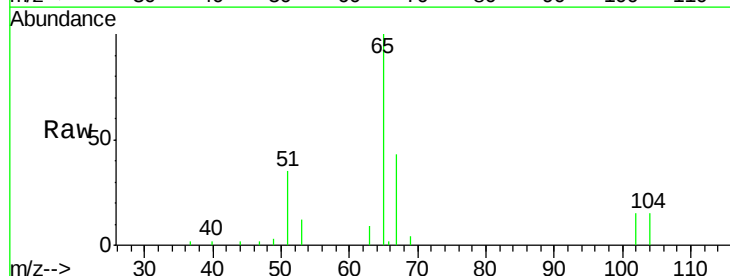
Instrument :
MSVOA_D
ClientSampled :

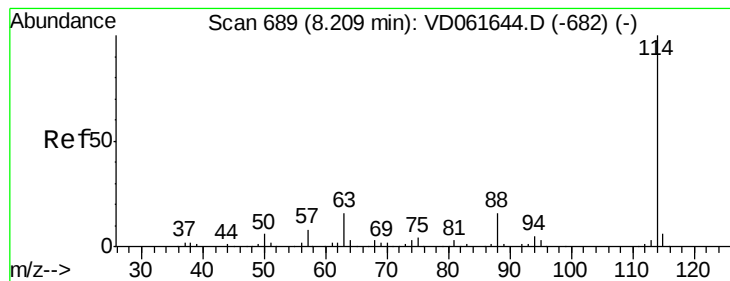
Tot Ion: 42 Resp: 3364
Ion Ratio Lower Upper
42 100
72 353.7 37.0 55.6#
71 0.0 36.5 54.7#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.02 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Tgt Ion: 65 Resp: 45202
Ion Ratio Lower Upper
65 100
67 42.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

Instrument :

MSVOA_D

ClientSampleId :

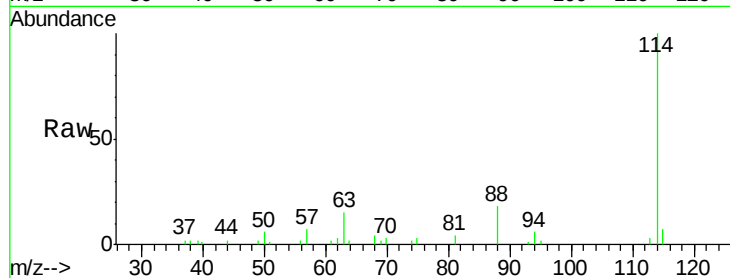
Tot Ion:114 Resp: 92290

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.2

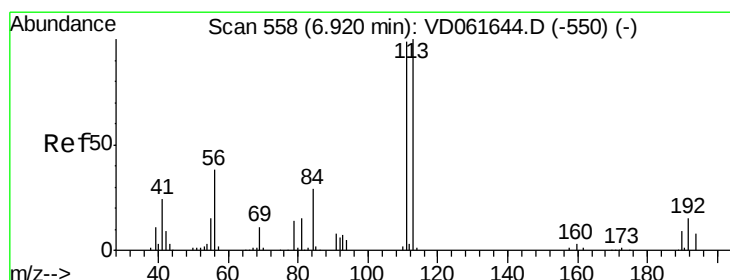
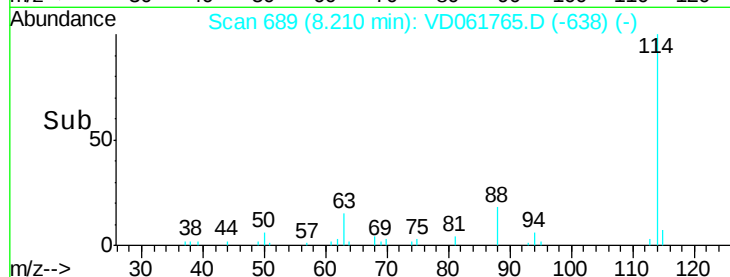
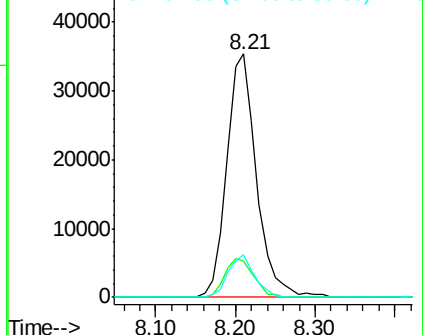
88 17.7 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

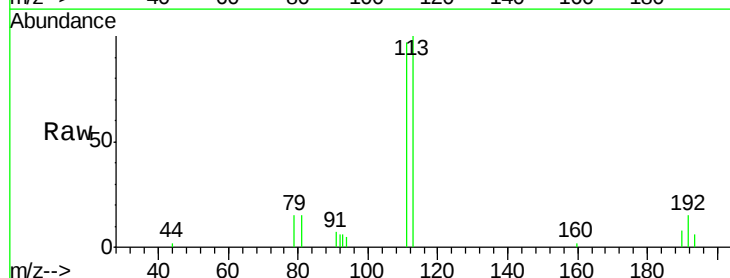
Tgt Ion:113 Resp: 48828

Ion Ratio Lower Upper

113 100

111 96.9 79.3 118.9

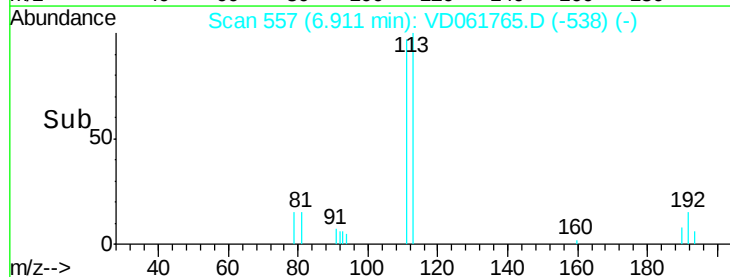
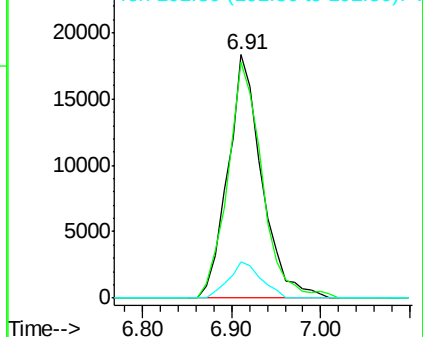
192 15.0 12.3 18.5

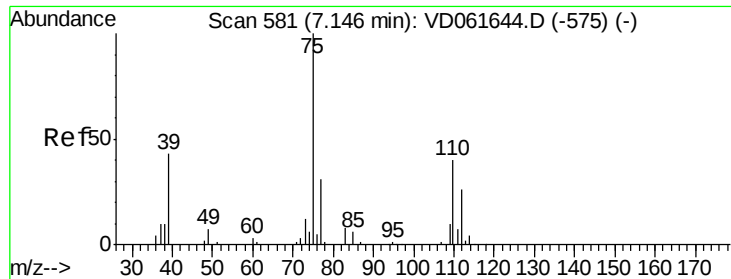


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

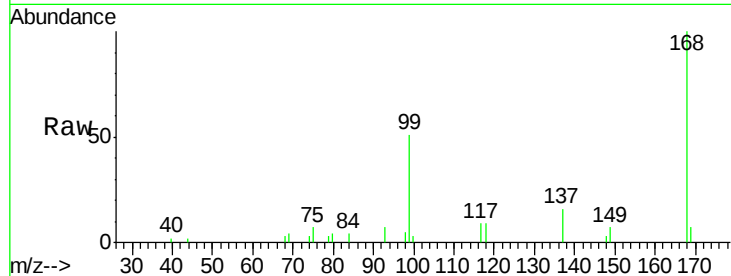




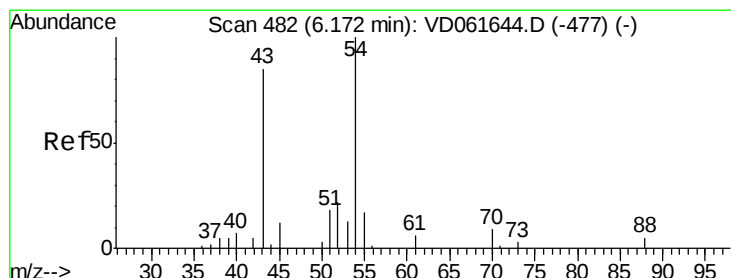
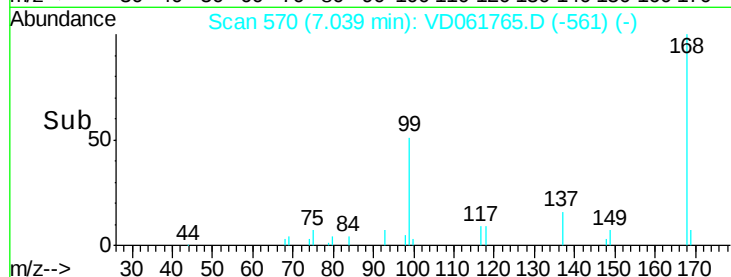
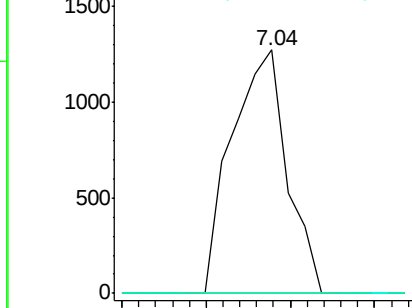
#36
 1,1-Dichloropropene
 Concen: 3.583 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061765.D
 Acq: 12 Apr 2019 5:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 2894
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.0#
 77 0.0 24.8 37.2#

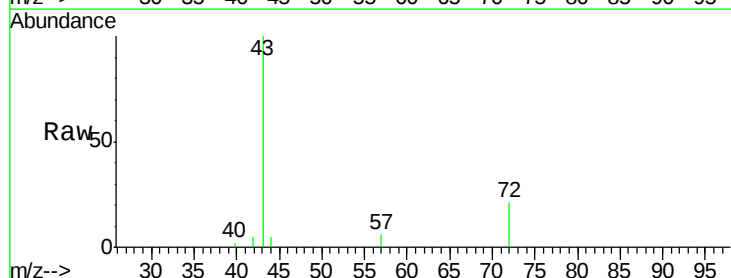


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

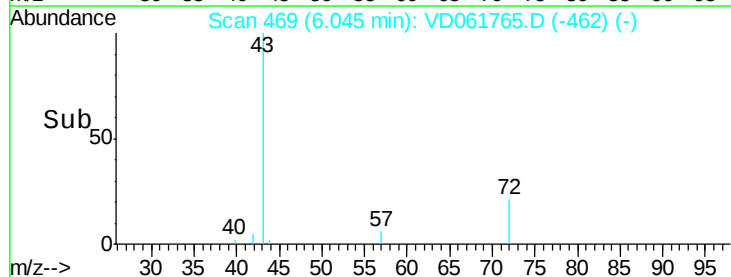
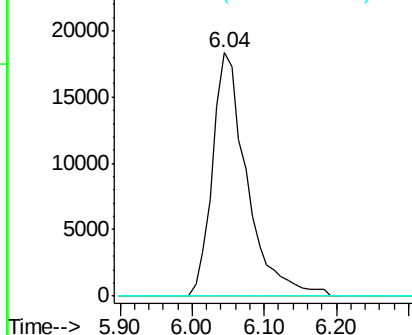


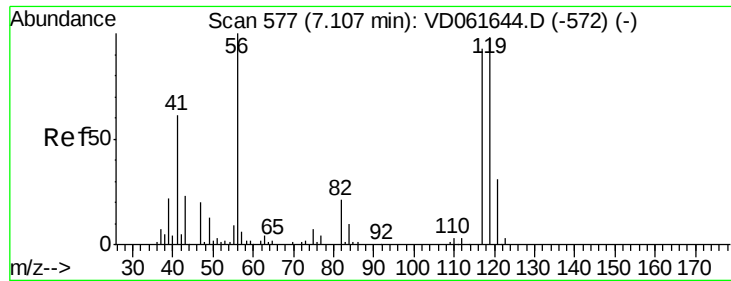
#37
 Ethyl Acetate
 Concen: 184.210 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.13 min
 Lab File: VD061765.D
 Acq: 12 Apr 2019 5:10

Tgt Ion: 43 Resp: 60603
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 6.9 10.3#



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

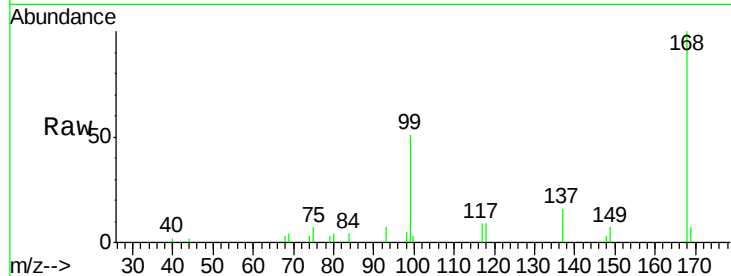




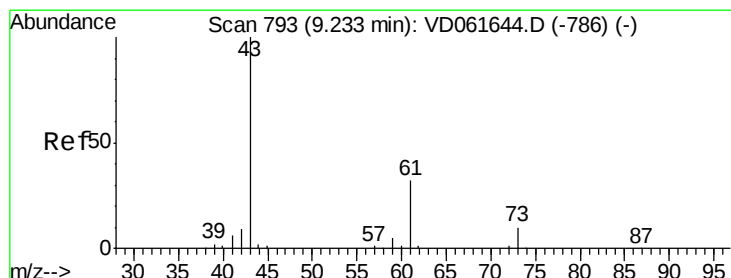
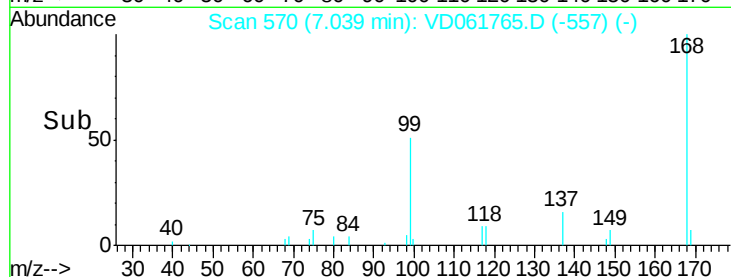
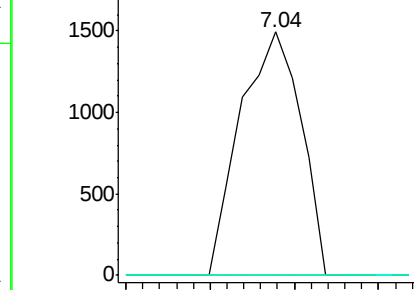
#38
Carbon Tetrachloride
Concen: 3.924 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 3715
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

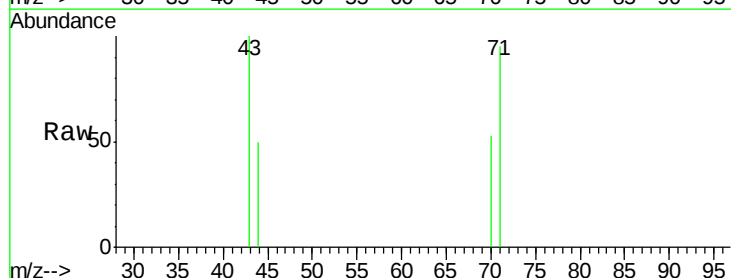


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

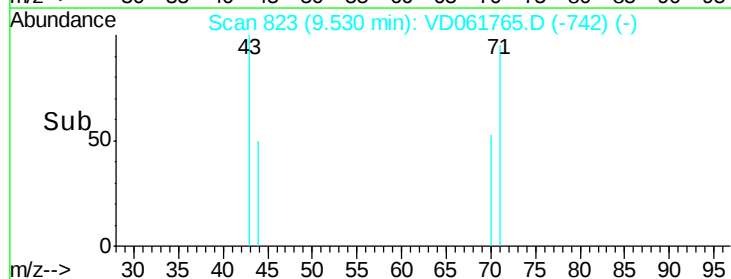
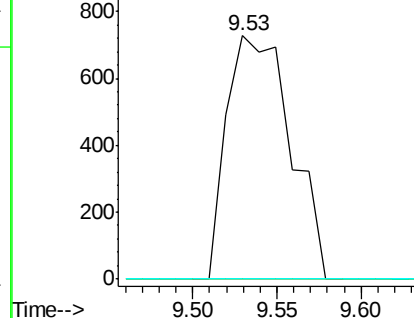


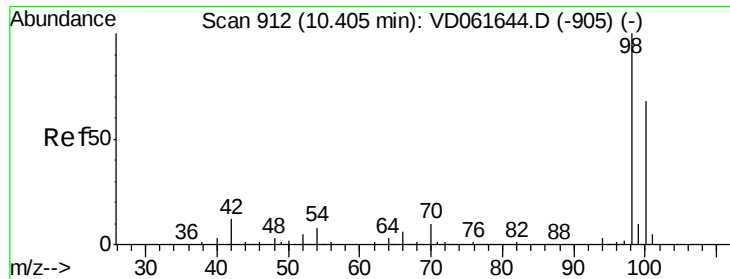
#43
Isopropyl Acetate
Concen: 4.013 ug/l
RT: 9.53 min Scan# 823
Delta R.T. 0.30 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Tgt Ion: 43 Resp: 1916
Ion Ratio Lower Upper
43 100
61 0.0 25.9 38.9#
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

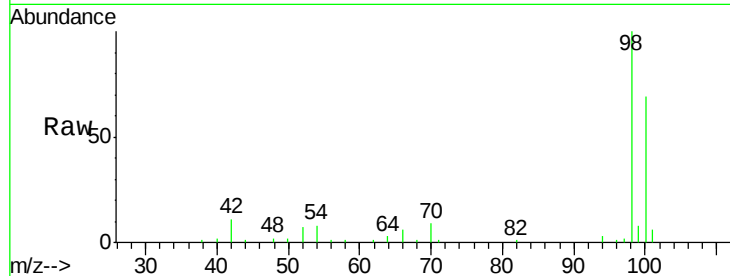




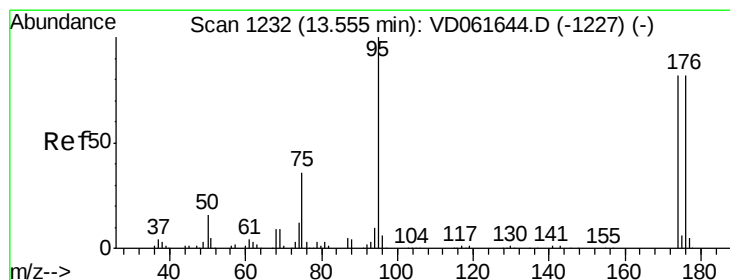
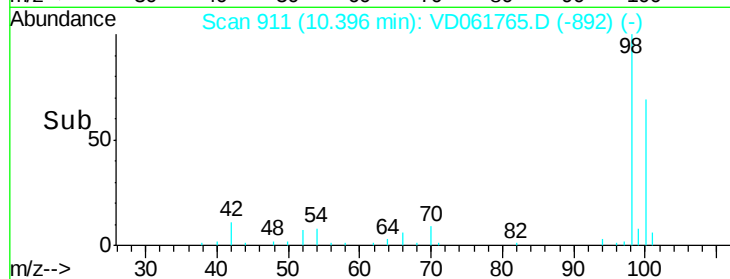
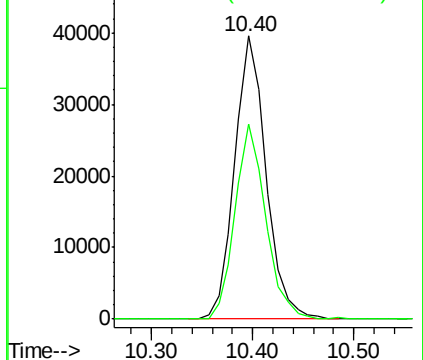
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 85644
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0

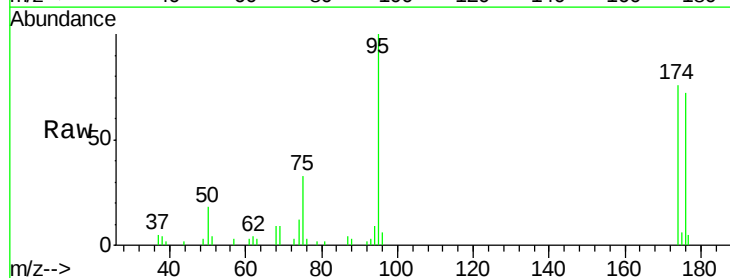


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

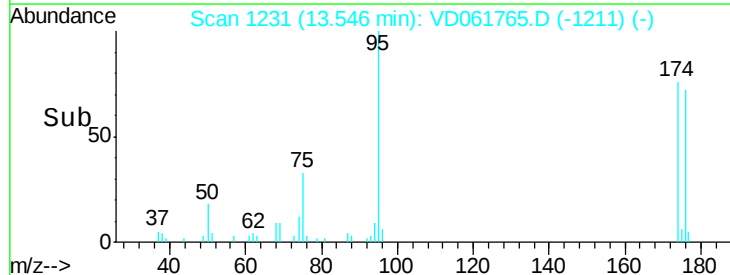
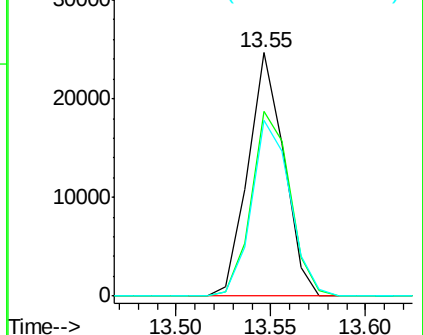


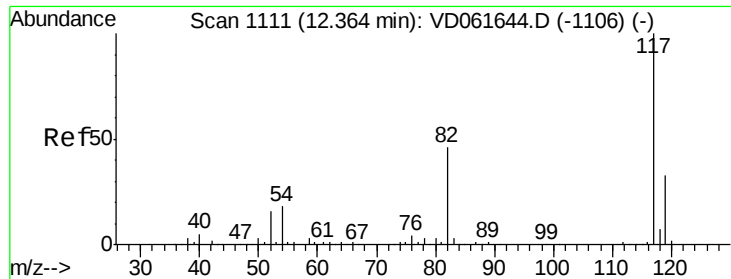
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061765.D
Acq: 12 Apr 2019 5:10

Tgt Ion: 95 Resp: 32409
Ion Ratio Lower Upper
95 100
174 75.8 0.0 164.6
176 72.2 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

Instrument :

MSVOA_D

ClientSampled :

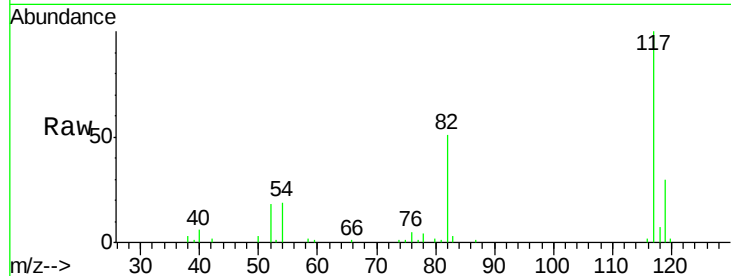
Tot Ion:117 Resp: 66568

Ion Ratio Lower Upper

117 100

82 51.3 36.8 55.2

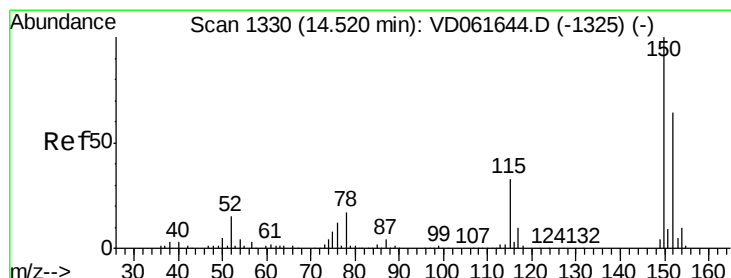
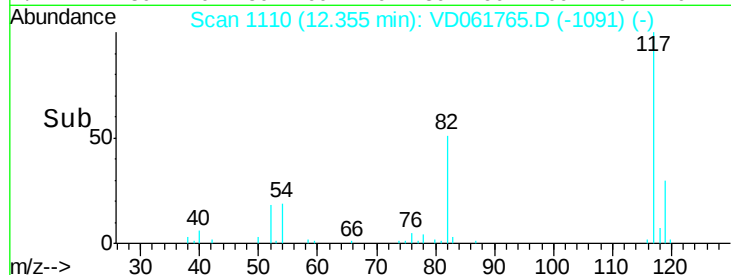
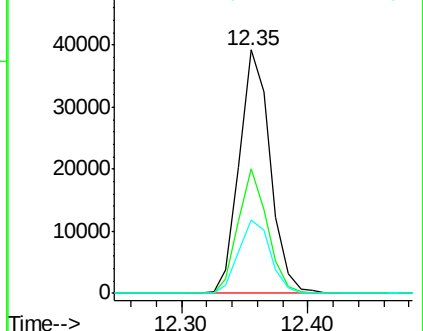
119 30.3 26.1 39.1



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# 1329

Delta R.T. -0.01 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

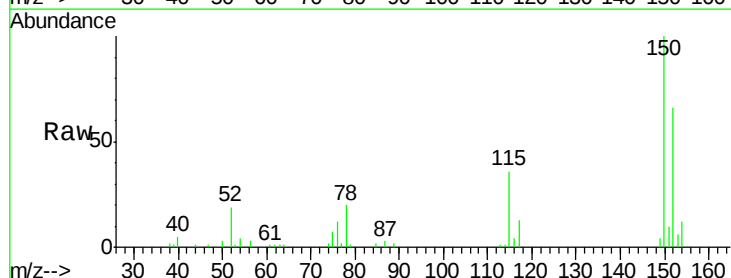
Tgt Ion:152 Resp: 25134

Ion Ratio Lower Upper

152 100

115 55.0 26.4 79.2

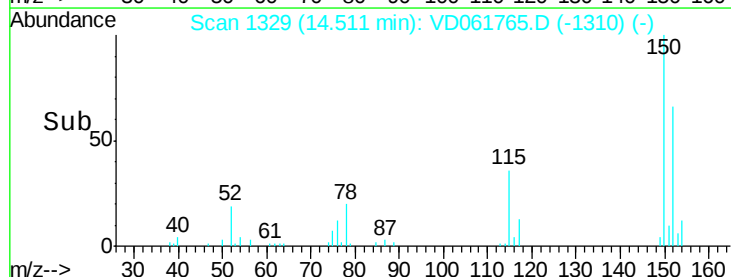
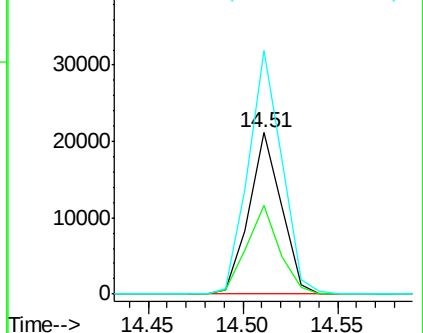
150 150.9 0.0 320.6

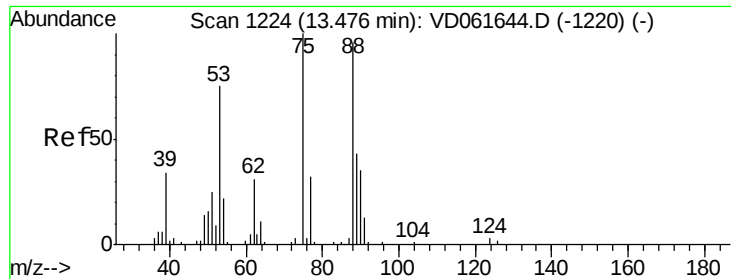


Abundance Ion 151.90 (151.60 to 152.60): V

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: 104.967 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061765.D

Acq: 12 Apr 2019 5:10

Instrument :

MSVOA_D

ClientSampleId :

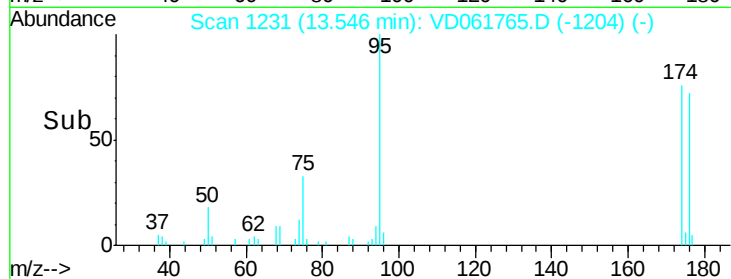
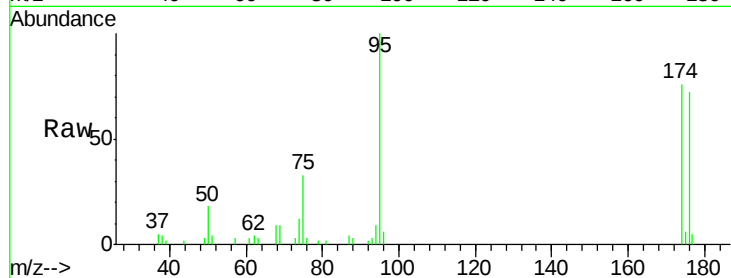
Tot Ion: 75 Resp: 10892

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

