

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063639.D
 Acq On : 16 Aug 2019 15:48
 Operator : JC/SY
 Sample : K4090-09RE
 Misc : 6.50g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-081519

Quant Time: Aug 17 06:01:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1140971	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1603781	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1210716	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	566304	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	534848	43.85	ug/l	-0.02
Spiked Amount			Recovery	=	87.70%	
35) Dibromofluoromethane	6.92	113	610682	45.21	ug/l	-0.02
Spiked Amount			Recovery	=	90.42%	
50) Toluene-d8	10.40	98	1354435	45.61	ug/l	-0.02
Spiked Amount			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.55	95	508582	37.79	ug/l	-0.01
Spiked Amount			Recovery	=	75.58%	

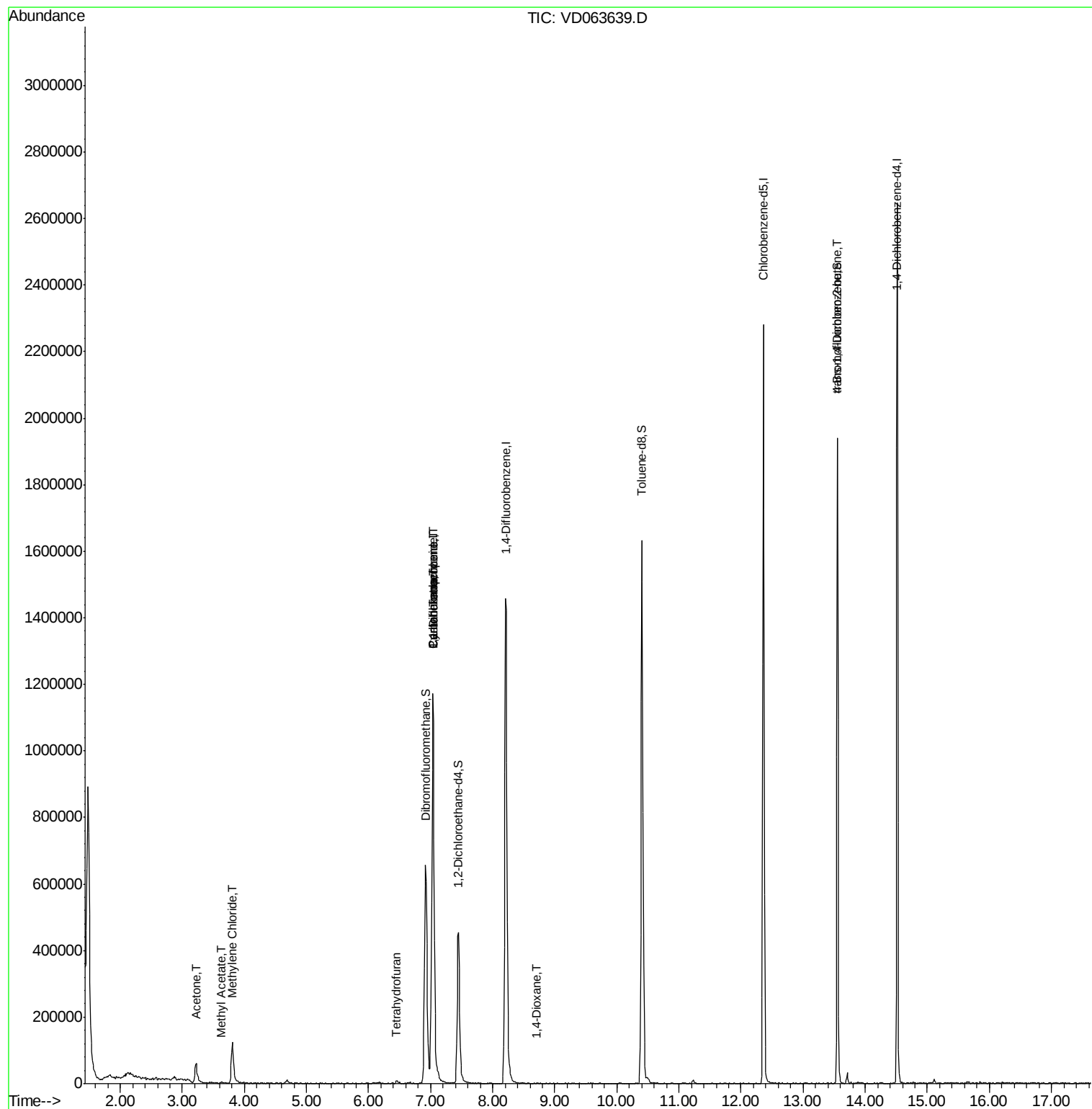
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	116889	47.147	ug/l	95
18) Methyl Acetate	3.63	43	5338	1.137	ug/l #	46
20) Methylene Chloride	3.81	84	75185	7.013	ug/l #	73
29) Tetrahydrofuran	6.43	42	6426	5.632	ug/l #	85
31) Cyclohexane	7.03	56	23476	2.132	ug/l #	24
36) 1,1-Dichloropropene	7.03	75	85048	5.999	ug/l #	51
38) Carbon Tetrachloride	7.03	117	111227	5.205	ug/l #	17
49) 1,4-Dioxane	8.72	88	183	28.444	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.55	75	241327	138.151	ug/l #	1

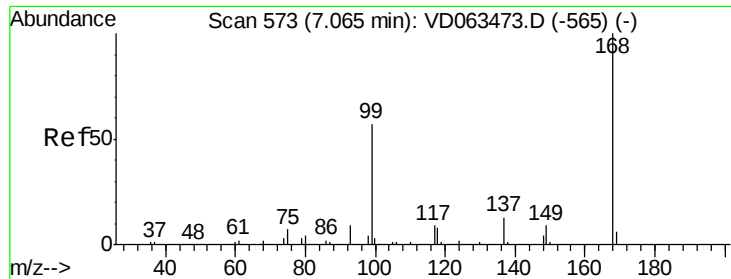
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

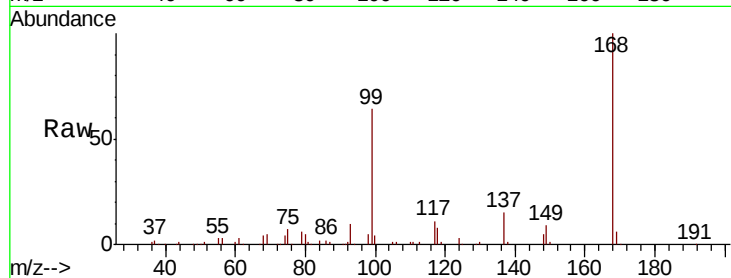
OR-02-081519

Tgt Ion:168 Resp: 1140971

Ion Ratio Lower Upper

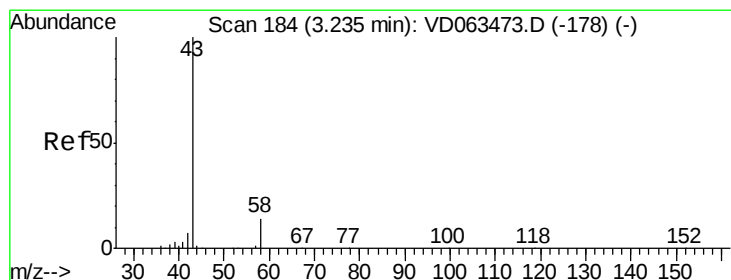
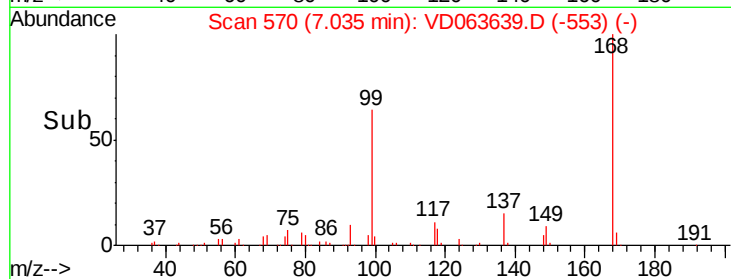
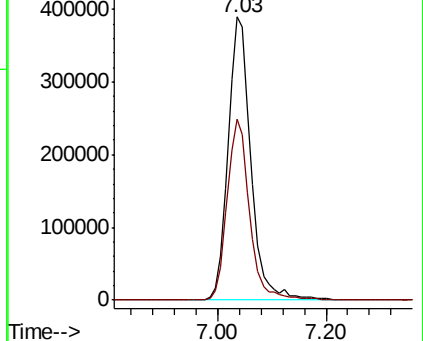
168 100

99 64.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 47.147 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063639.D

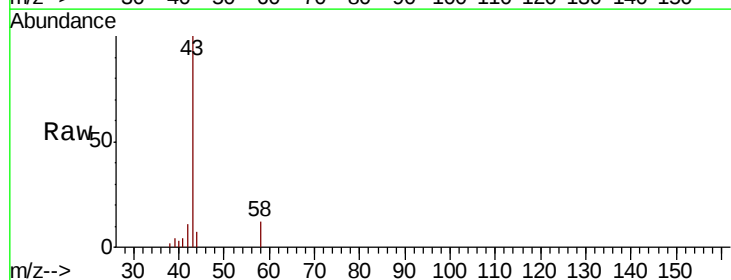
Acq: 16 Aug 2019 15:48

Tgt Ion: 43 Resp: 116889

Ion Ratio Lower Upper

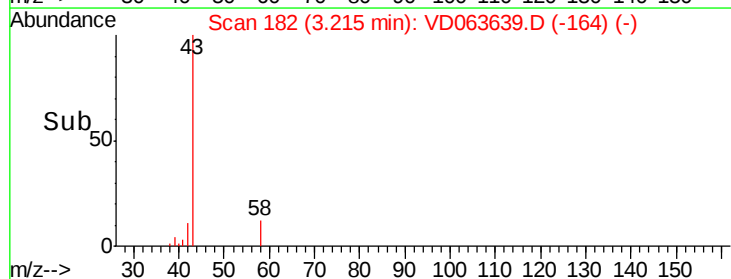
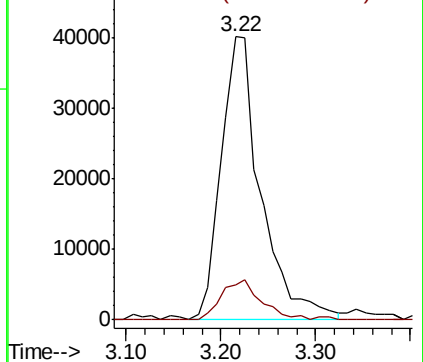
43 100

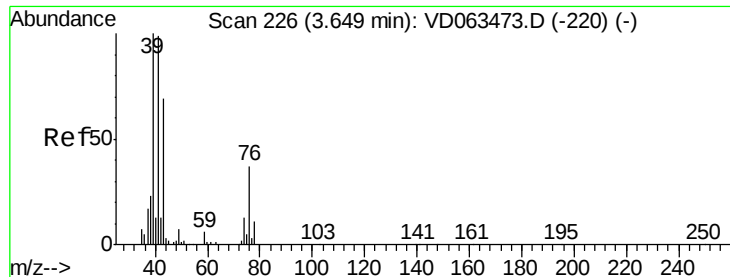
58 12.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 1.137 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

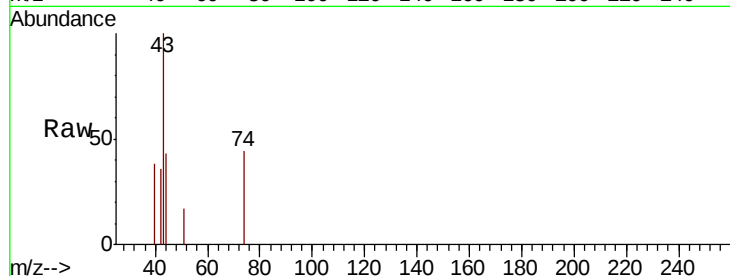
OR-02-081519

Tgt Ion: 43 Resp: 5338

Ion Ratio Lower Upper

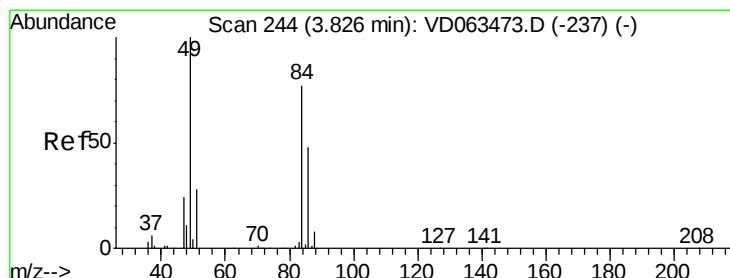
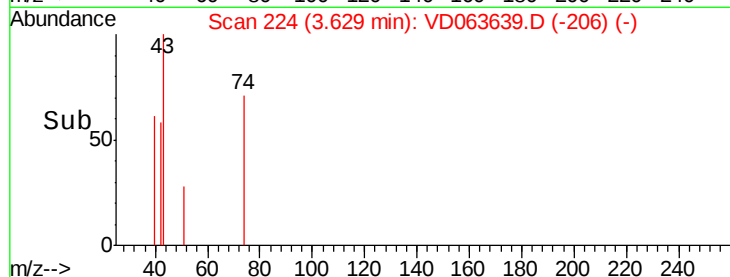
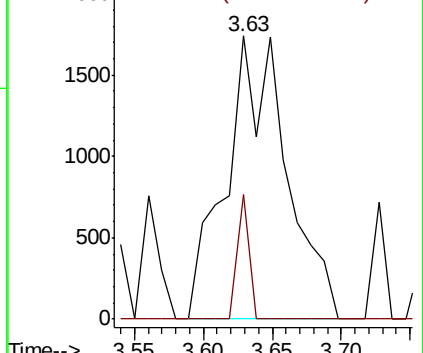
43 100

74 43.9 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 7.013 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Tgt Ion: 84 Resp: 75185

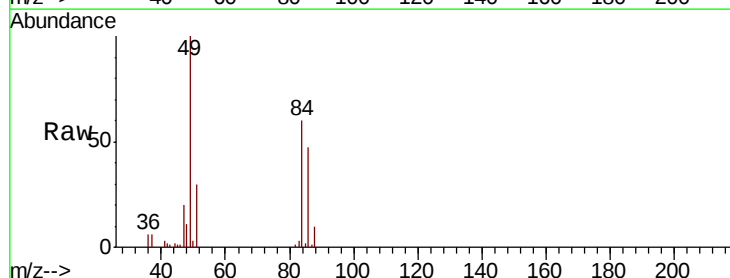
Ion Ratio Lower Upper

84 100

49 165.7 103.4 155.2#

51 49.1 28.5 42.7#

86 77.6 49.4 74.2#

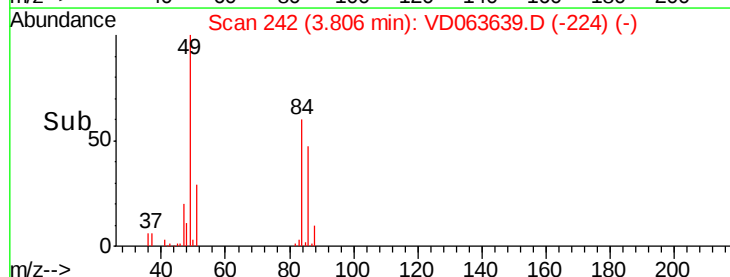
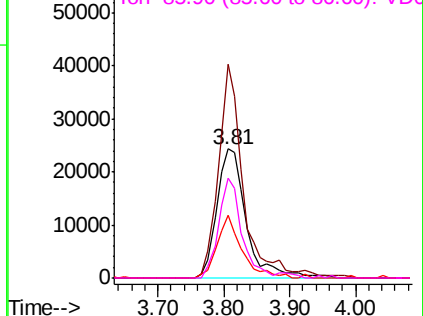


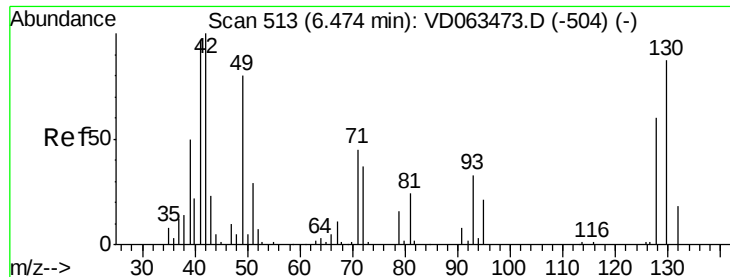
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 5.632 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.04 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

OR-02-081519

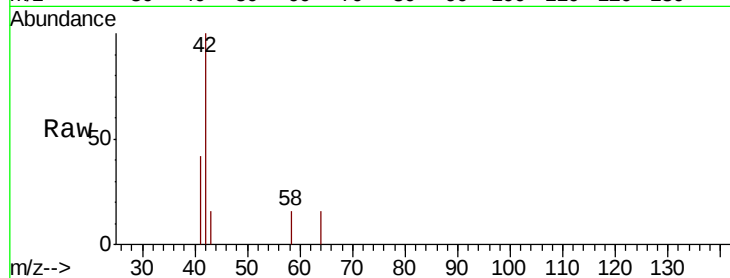
Tgt Ion: 42 Resp: 6426

Ion Ratio Lower Upper

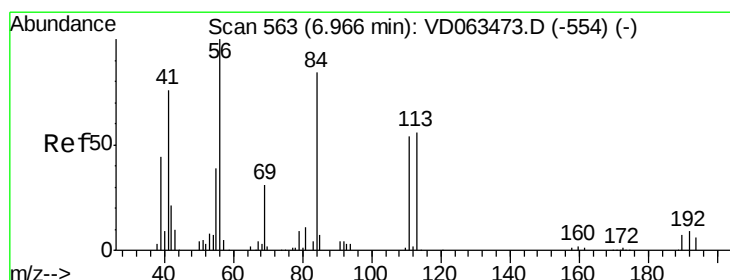
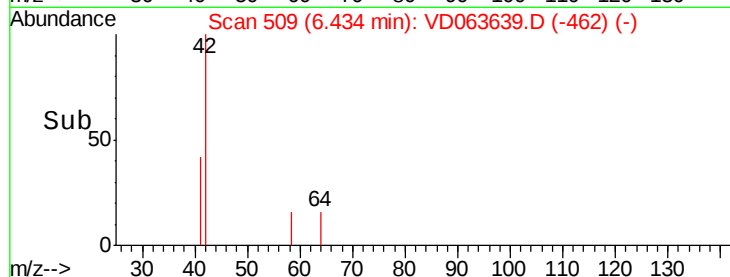
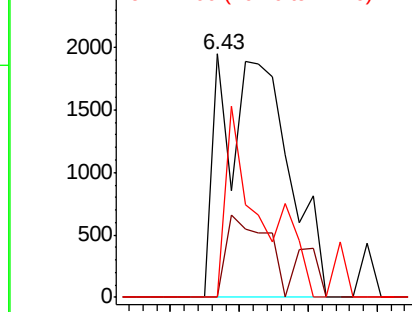
42 100

72 20.5 31.5 47.3#

71 42.1 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.132 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

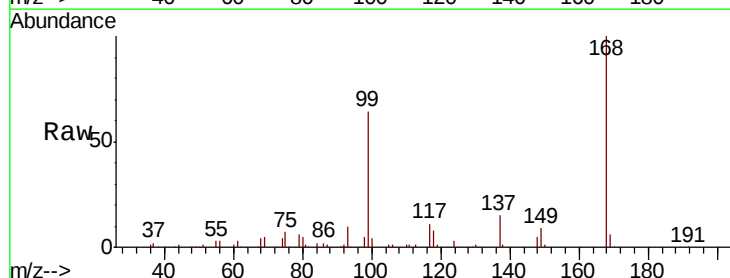
Tgt Ion: 56 Resp: 23476

Ion Ratio Lower Upper

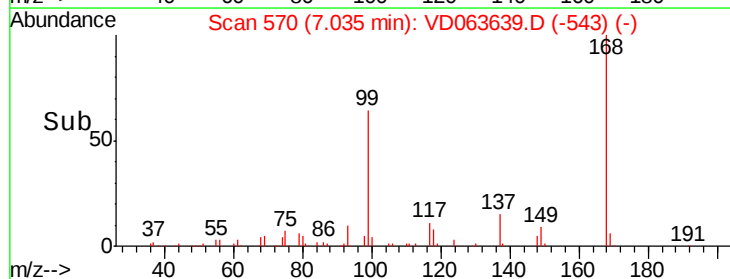
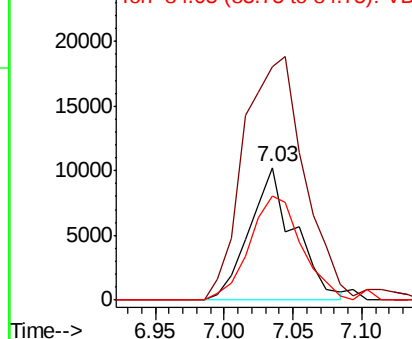
56 100

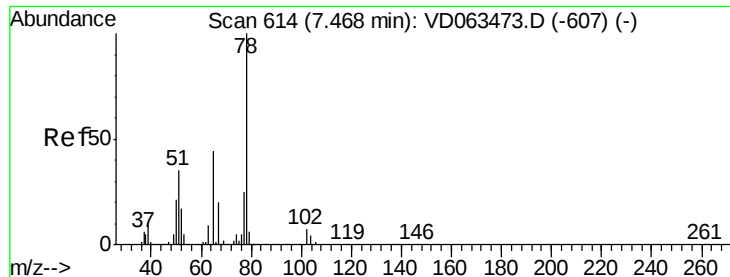
69 176.4 25.0 37.6#

84 78.5 69.7 104.5



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: 43.854 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

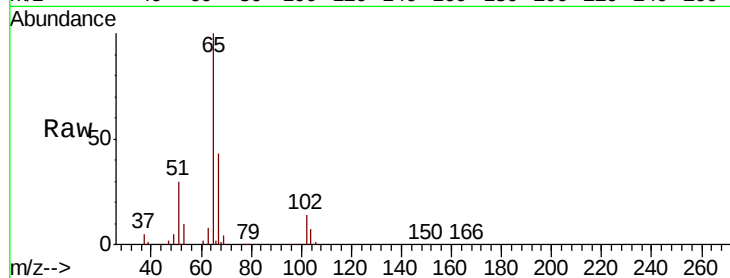
OR-02-081519

Tgt Ion: 65 Resp: 534848

Ion Ratio Lower Upper

65 100

67 43.2 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

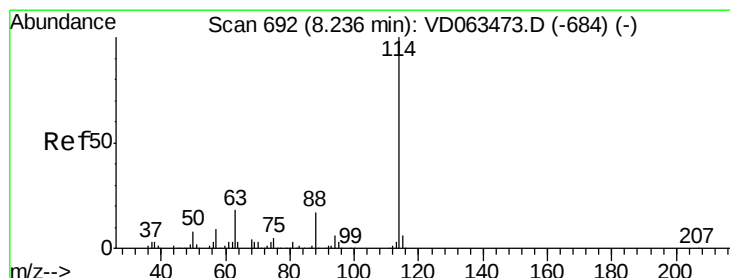
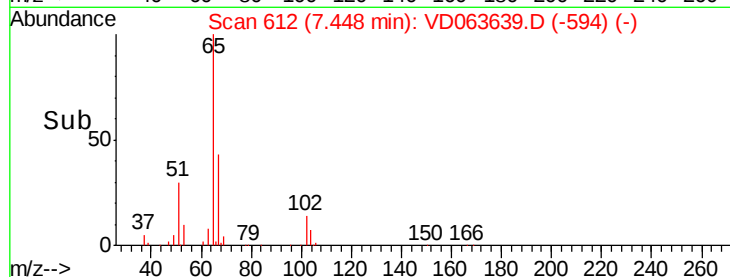
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

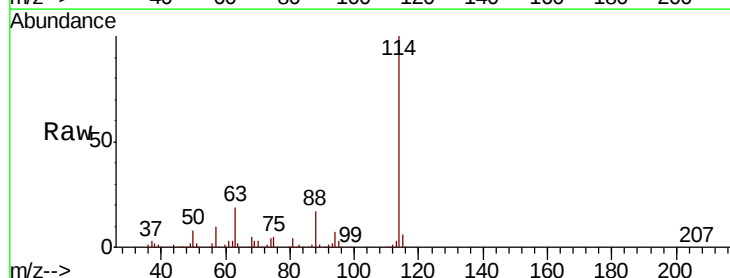
Tgt Ion: 114 Resp: 1603781

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.2

88 16.9 0.0 35.0



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

8.22

800000

600000

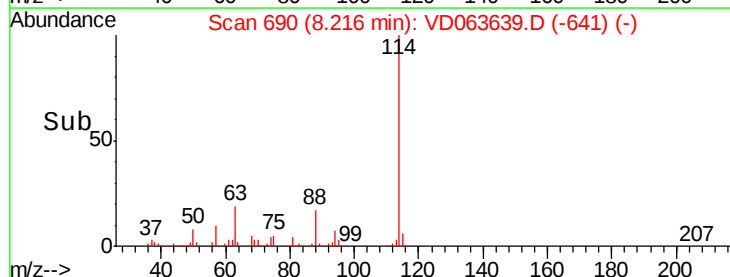
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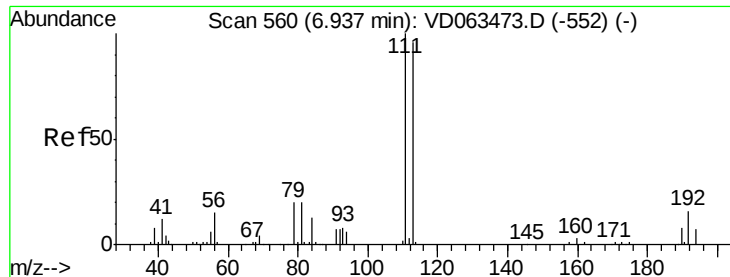
200000

0

Time-->

8.00 8.20 8.40

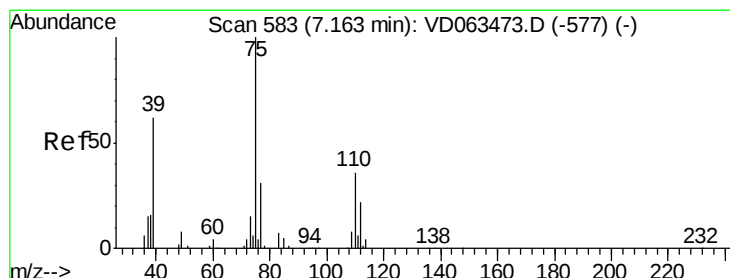
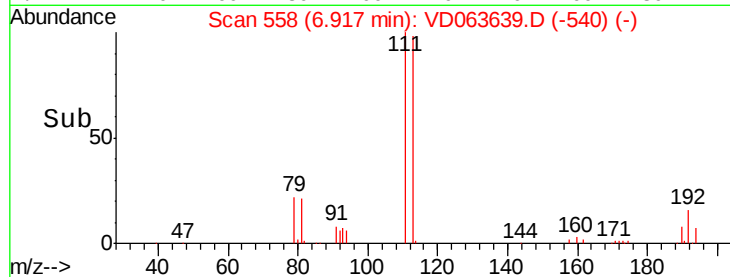
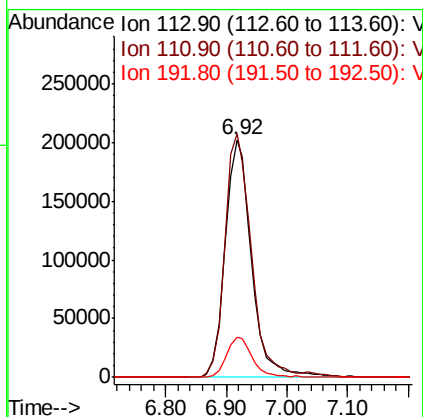
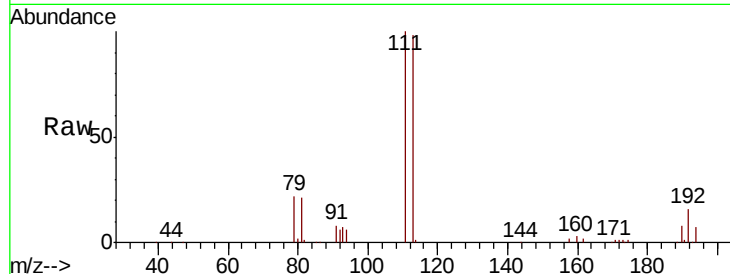




#35
 Dibromofluoromethane
 Concen: 45.212 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063639.D
 Acq: 16 Aug 2019 15:48

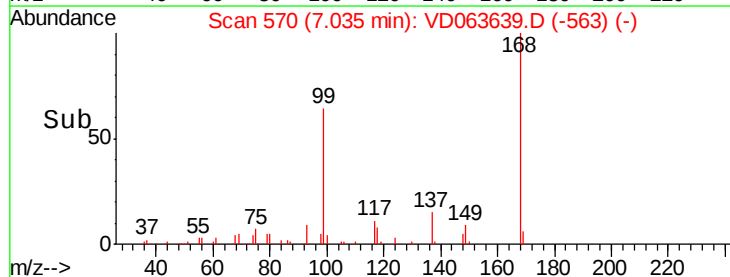
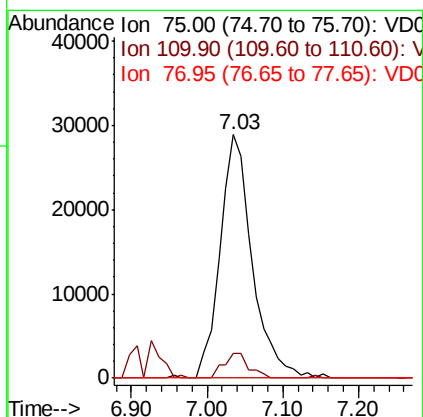
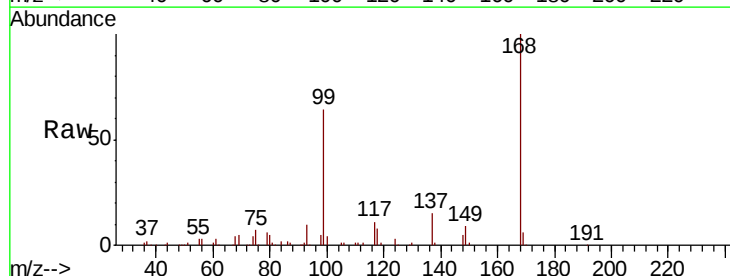
Instrument :
 MSVOA_D
 ClientSampleID :
 OR-02-081519

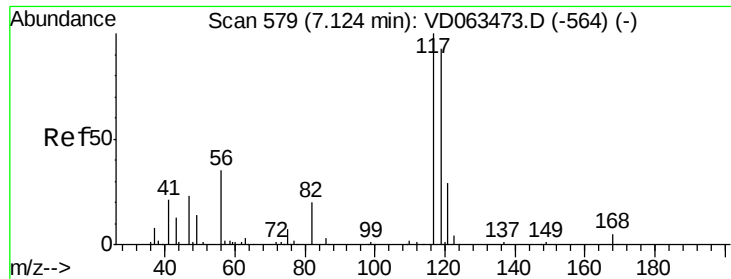
Tgt Ion:113 Resp: 610682
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.1 124.7
 192 16.7 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.999 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063639.D
 Acq: 16 Aug 2019 15:48

Tgt Ion: 75 Resp: 85048
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.6 52.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.205 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

OR-02-081519

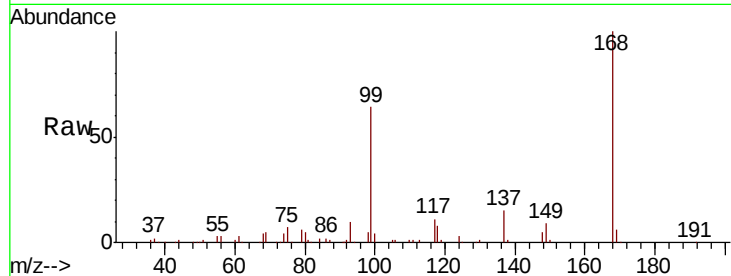
Tgt Ion:117 Resp: 111227

Ion Ratio Lower Upper

117 100

119 4.8 74.2 111.2#

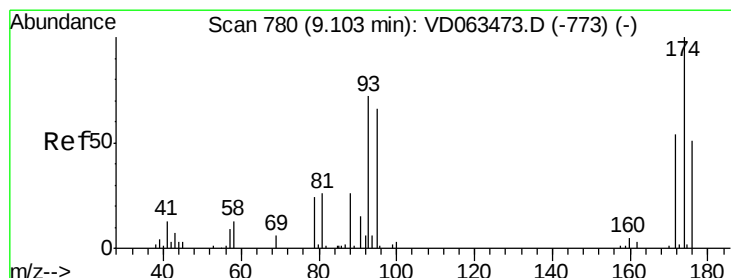
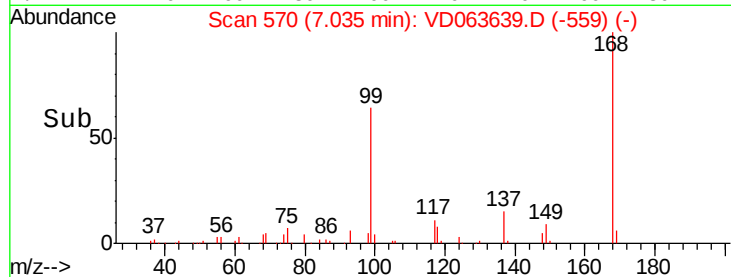
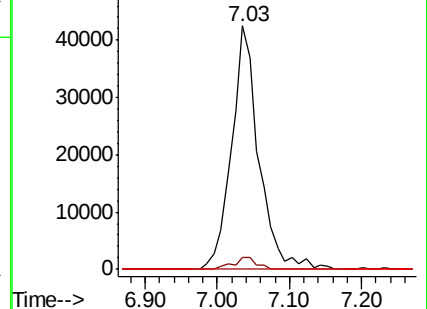
121 0.0 23.1 34.7#



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



#49

1,4-Dioxane

Concen: 28.444 ug/l

RT: 8.72 min Scan# 741

Delta R.T. -0.38 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

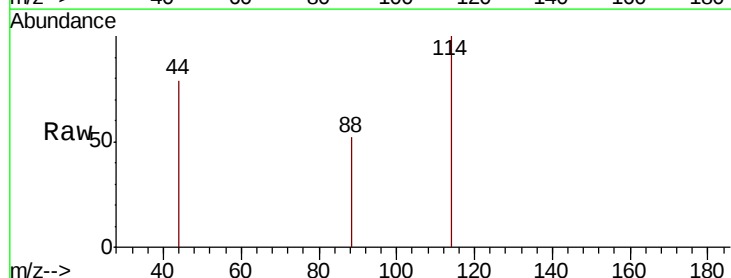
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

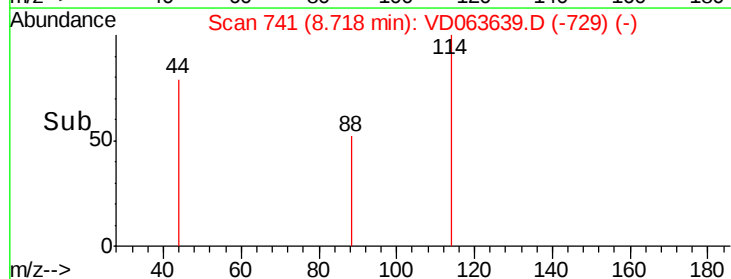
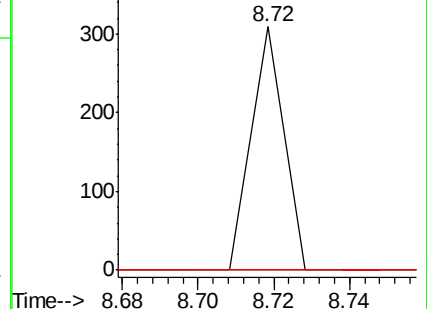
58 0.0 40.1 60.1#

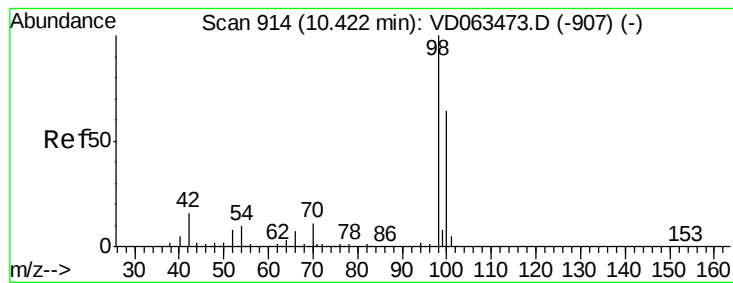


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 45.610 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

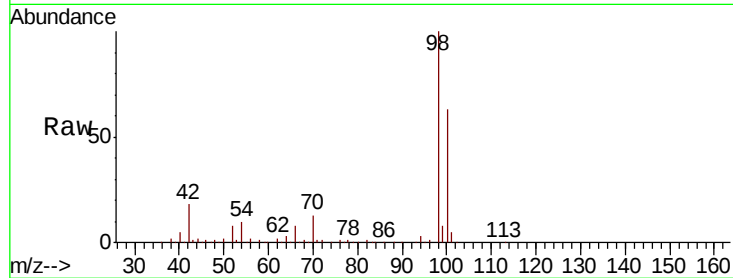
OR-02-081519

Tgt Ion: 98 Resp: 1354435

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

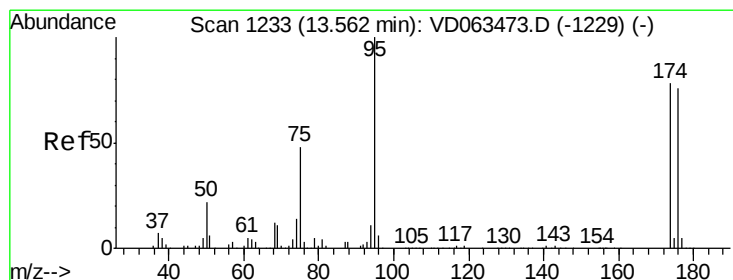
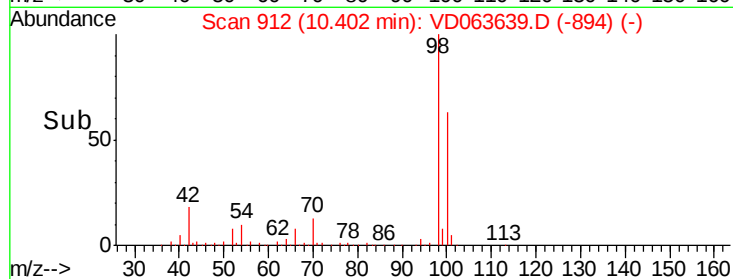
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.786 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

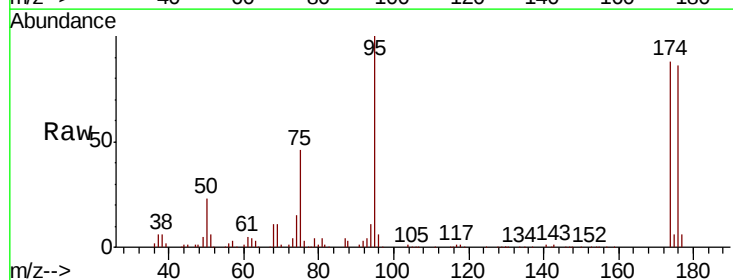
Tgt Ion: 95 Resp: 508582

Ion Ratio Lower Upper

95 100

174 87.7 0.0 155.4

176 85.9 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

500000

400000

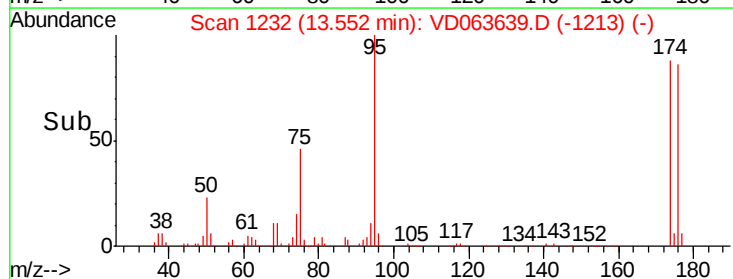
300000

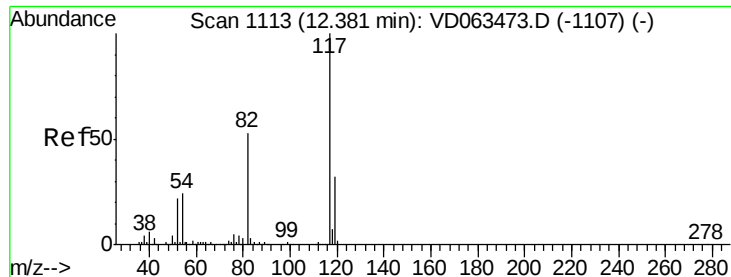
200000

100000

0

Time-->

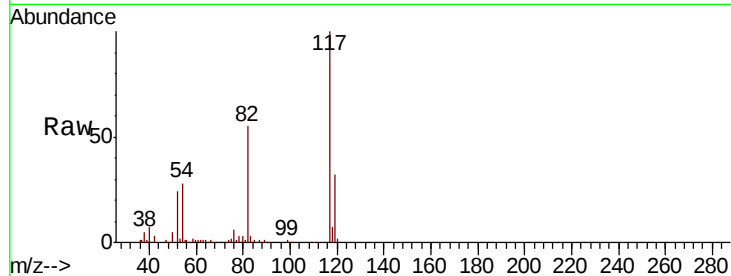




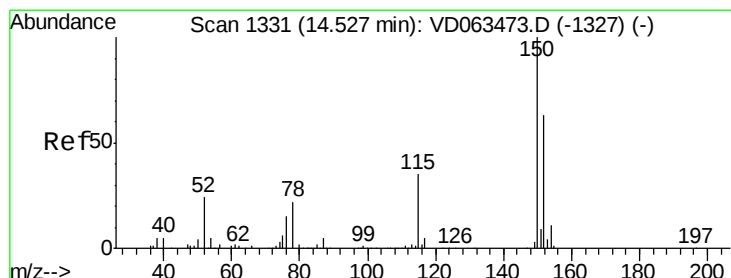
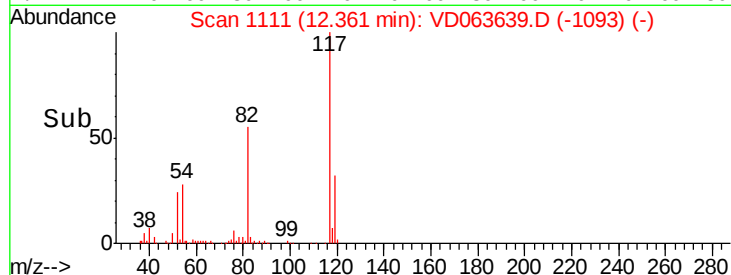
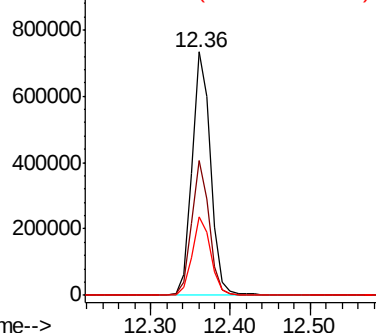
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :
OR-02-081519

Tgt Ion:117 Resp: 1210716
Ion Ratio Lower Upper
117 100
82 55.2 42.0 63.0
119 32.2 25.4 38.0

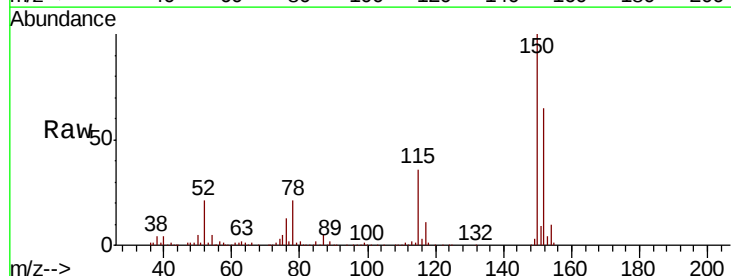


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

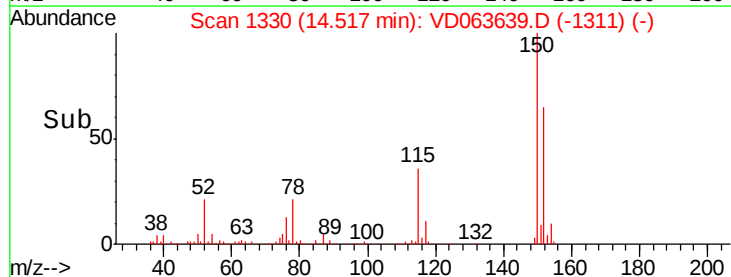
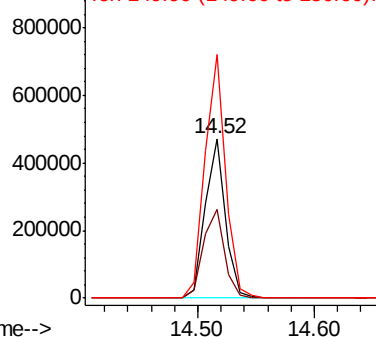


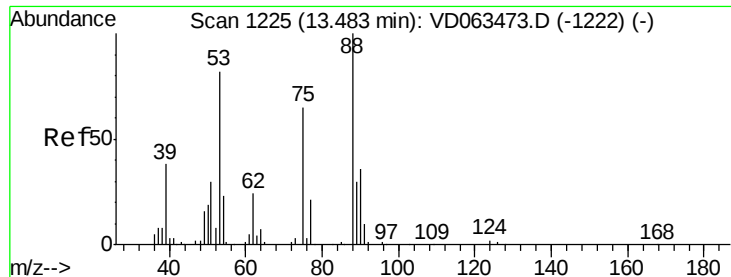
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063639.D
Acq: 16 Aug 2019 15:48

Tgt Ion:152 Resp: 566304
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 152.7 0.0 318.6



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: 138.151 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063639.D

Acq: 16 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

OR-02-081519

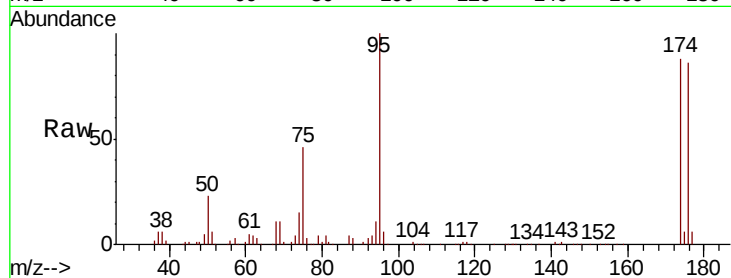
Tgt Ion: 75 Resp: 241327

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

