

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063323.D
 Acq On : 2 Aug 2019 18:12
 Operator : VA/AP
 Sample : K4130-04
 Misc : 4.12g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F3-(0-1)

Quant Time: Aug 04 03:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1097983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1456957	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1120173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	589737	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	487845	40.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.08%	
35) Dibromofluoromethane	6.91	113	550804	44.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.56%	
50) Toluene-d8	10.39	98	1187471	42.65	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	85.30%	
62) 4-Bromofluorobenzene	13.54	95	481861	37.98	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	75.96%	

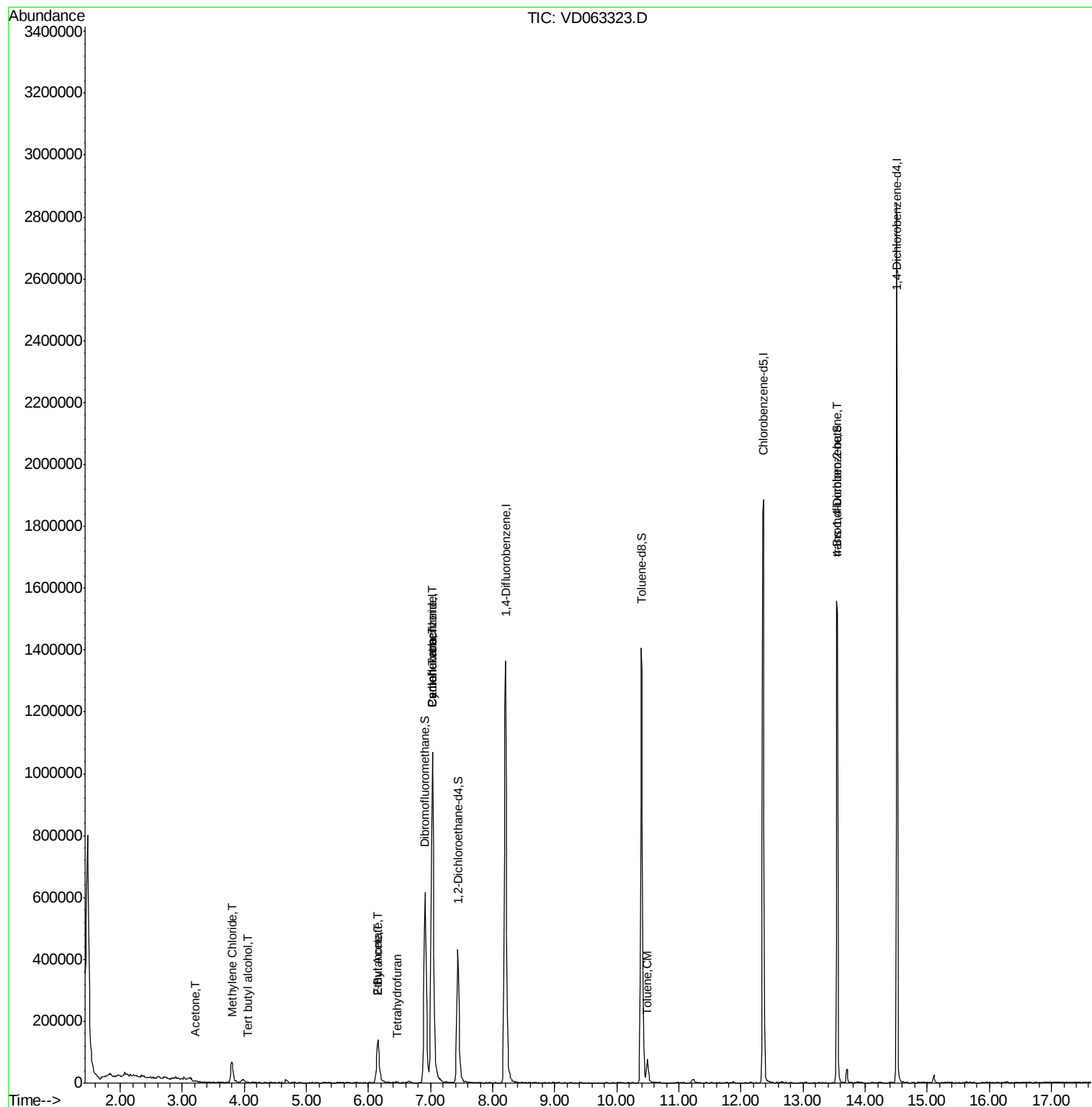
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	2395	4.480	ug/l #	69
16) Acetone	3.21	43	6630	2.793	ug/l #	62
20) Methylene Chloride	3.80	84	40460	4.217	ug/l	89
25) 2-Butanone	6.16	43	10812	4.539	ug/l #	89
29) Tetrahydrofuran	6.46	42	1203	1.067	ug/l #	60
31) Cyclohexane	7.04	56	21098	1.944	ug/l #	2
37) Ethyl Acetate	6.16	43	10811	1.810	ug/l #	12
38) Carbon Tetrachloride	7.03	117	108970	5.444	ug/l #	15
52) Toluene	10.49	92	32958	1.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.54	75	221627	112.676	ug/l #	3

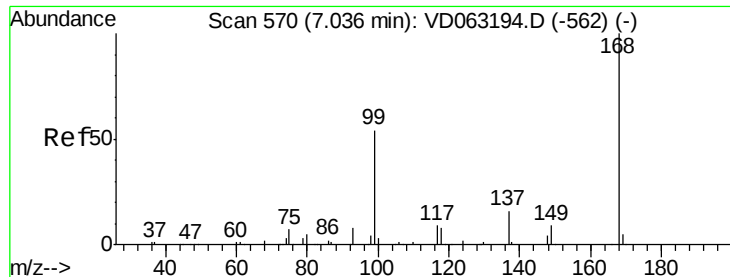
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 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: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

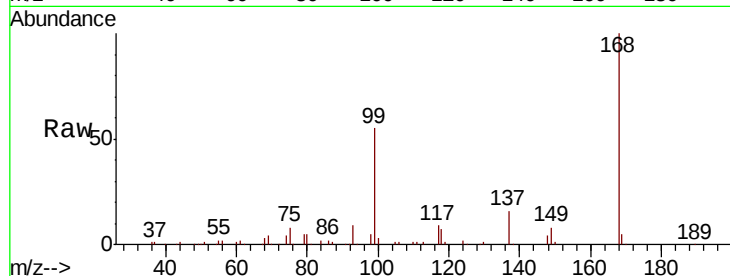
1S-F3-(0-1)

Tgt Ion:168 Resp: 1097983

Ion Ratio Lower Upper

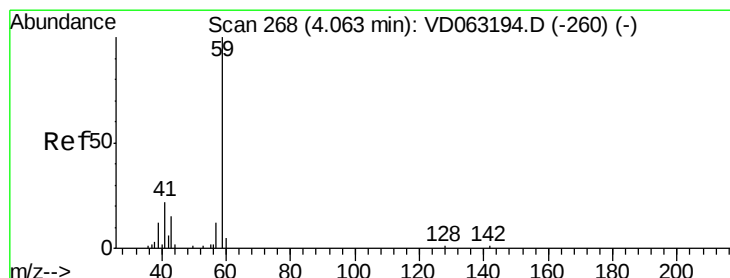
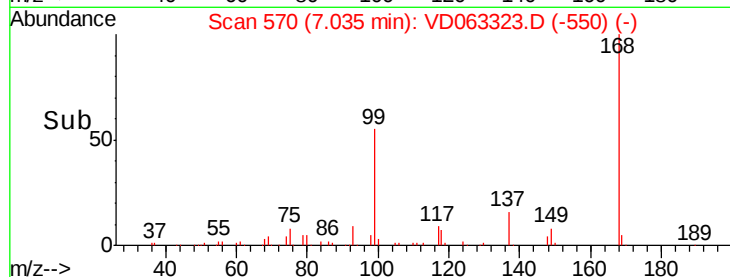
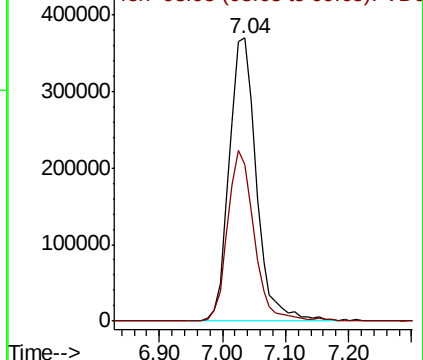
168 100

99 55.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 4.480 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063323.D

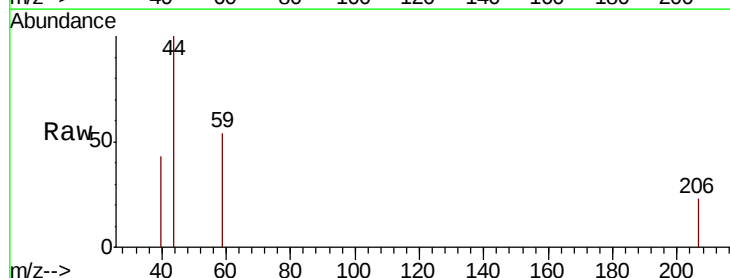
Acq: 2 Aug 2019 18:12

Tgt Ion: 59 Resp: 2395

Ion Ratio Lower Upper

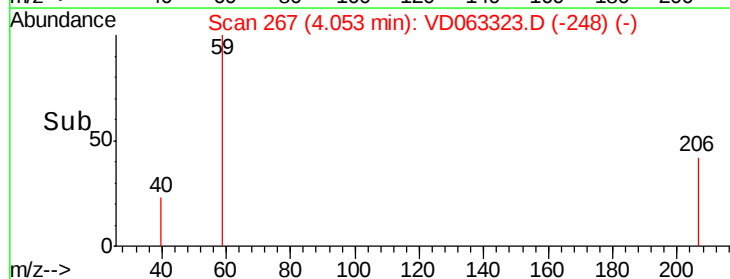
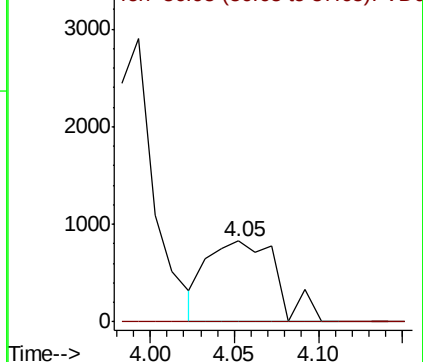
59 100

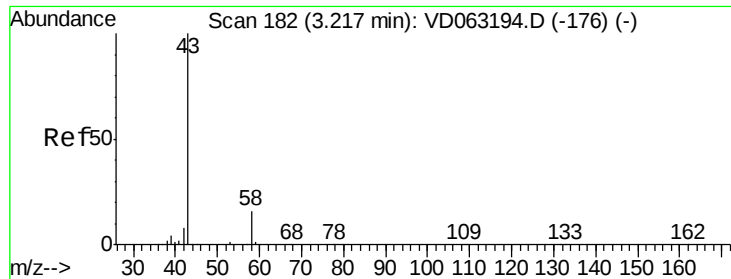
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.793 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

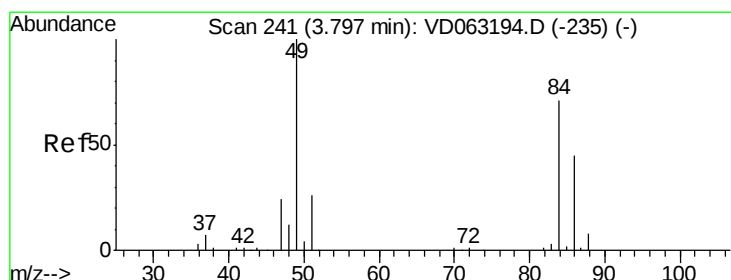
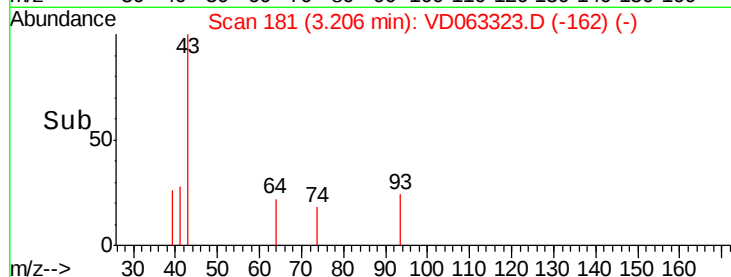
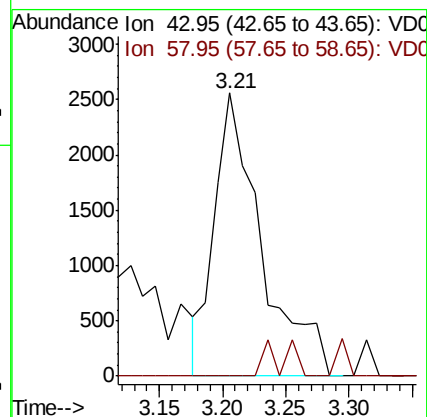
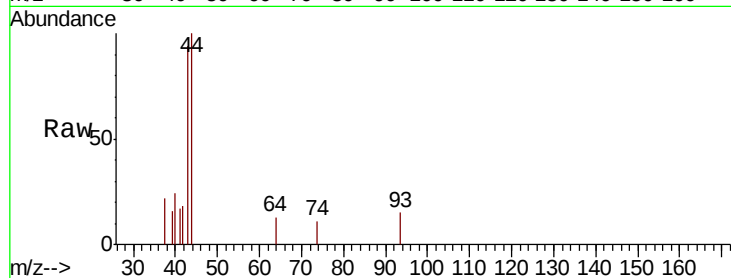
1S-F3-(0-1)

Tgt Ion: 43 Resp: 6630

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



#20

Methylene Chloride

Concen: 4.217 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Tgt Ion: 84 Resp: 40460

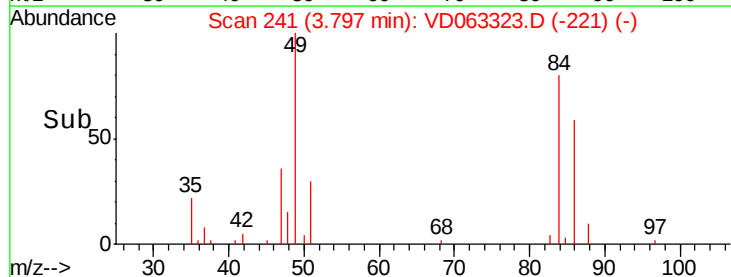
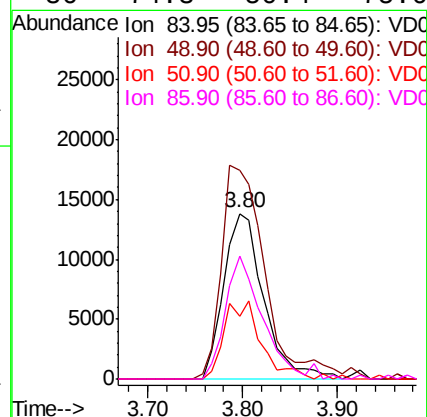
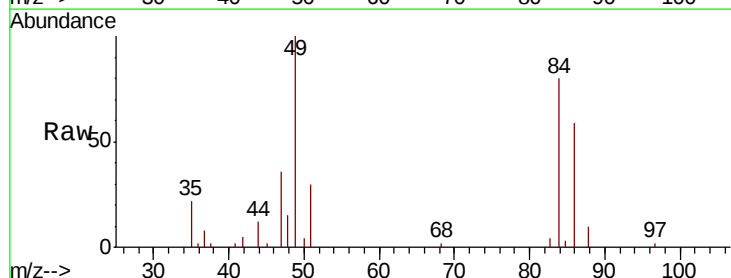
Ion Ratio Lower Upper

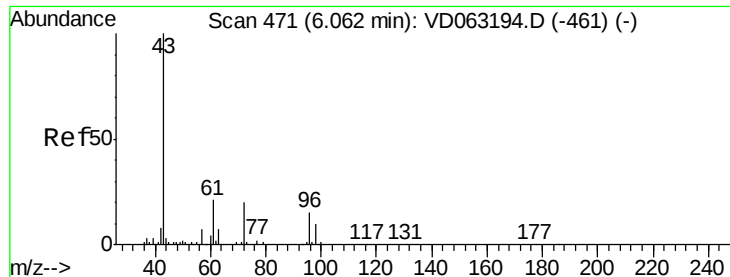
84 100

49 125.7 112.5 168.7

51 38.1 29.6 44.4

86 74.3 50.4 75.6





#25

2-Butanone

Concen: 4.539 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

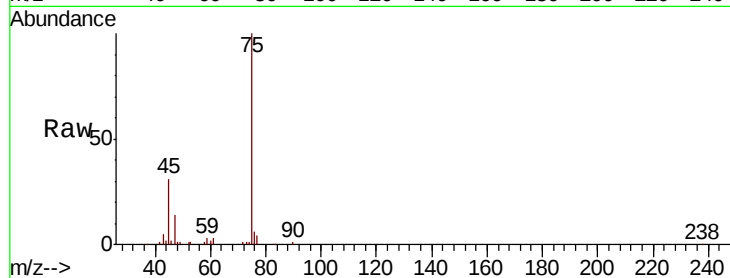
1S-F3-(0-1)

Tgt Ion: 43 Resp: 10812

Ion Ratio Lower Upper

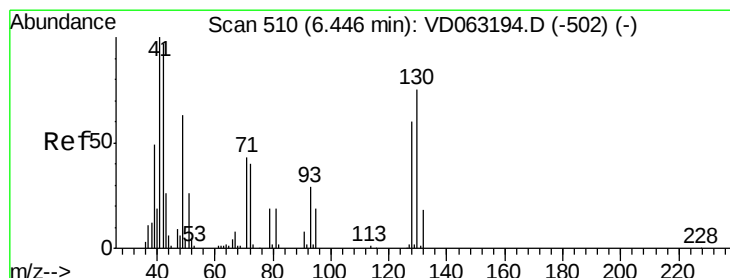
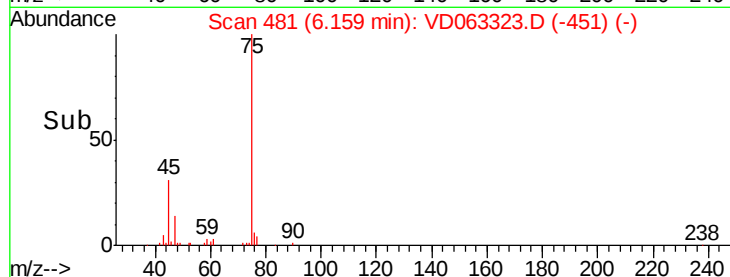
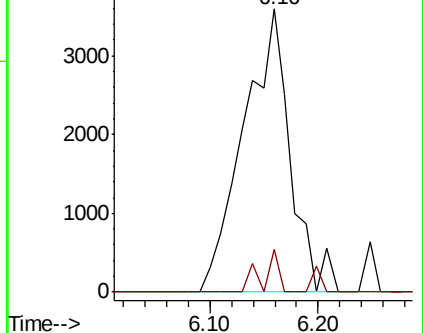
43 100

72 15.2 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.067 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

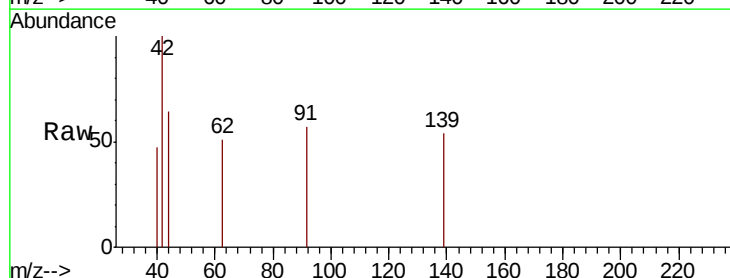
Tgt Ion: 42 Resp: 1203

Ion Ratio Lower Upper

42 100

72 16.4 33.4 50.2#

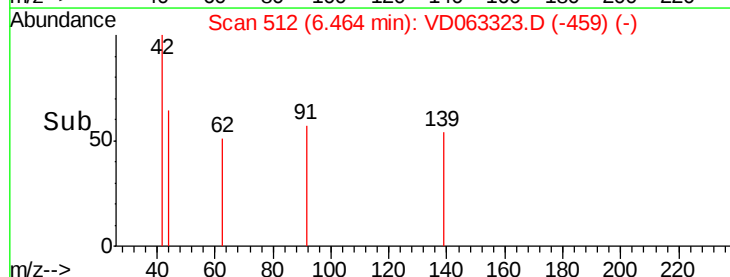
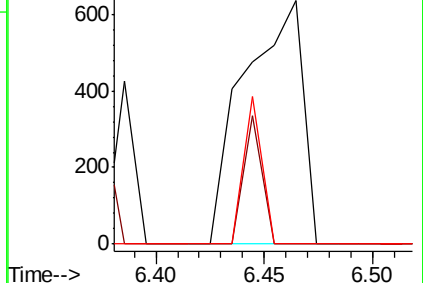
71 19.0 35.7 53.5#

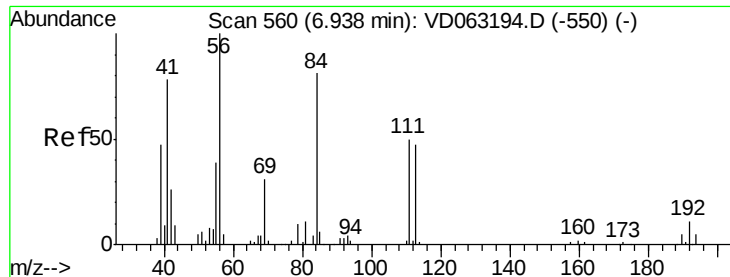


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

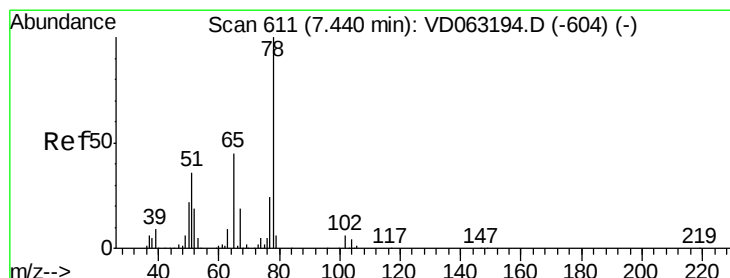
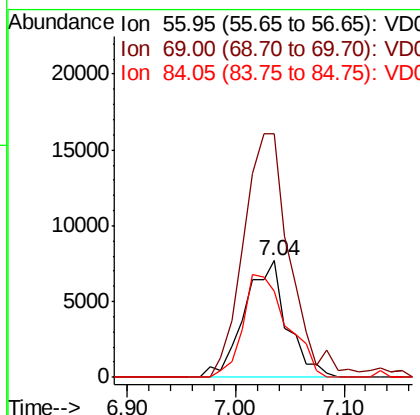
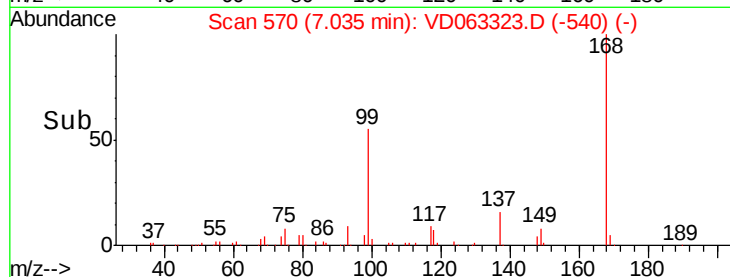
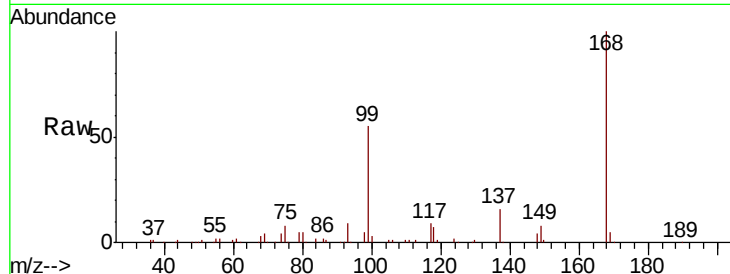




#31
Cyclohexane
Concen: 1.944 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063323.D
Acq: 2 Aug 2019 18:12

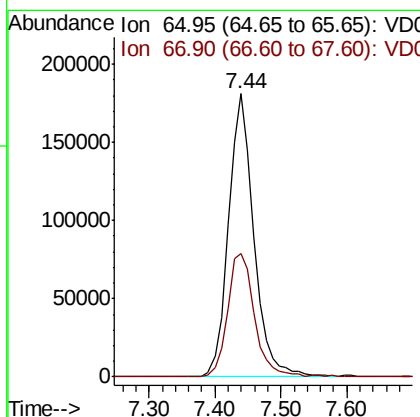
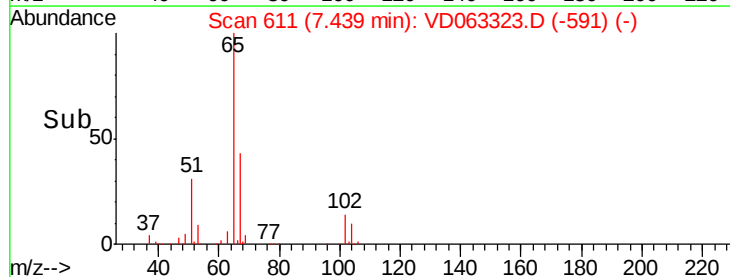
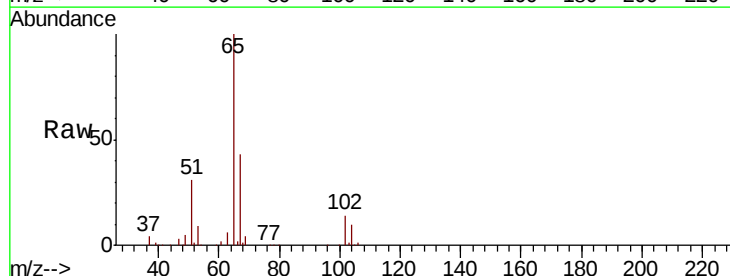
Instrument :
MSVOA_D
ClientSampleId :
1S-F3-(0-1)

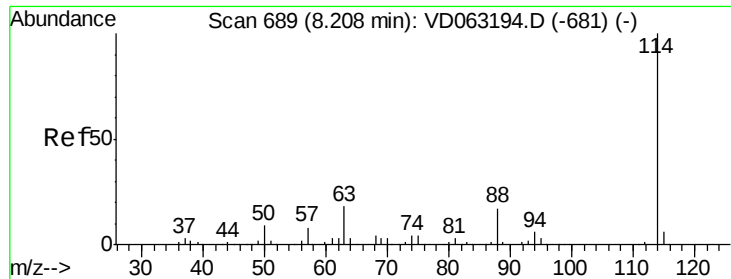
Tgt Ion: 56 Resp: 21098
Ion Ratio Lower Upper
56 100
69 214.3 24.5 36.7#
84 74.0 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 40.043 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063323.D
Acq: 2 Aug 2019 18:12

Tgt Ion: 65 Resp: 487845
Ion Ratio Lower Upper
65 100
67 43.5 0.0 85.8

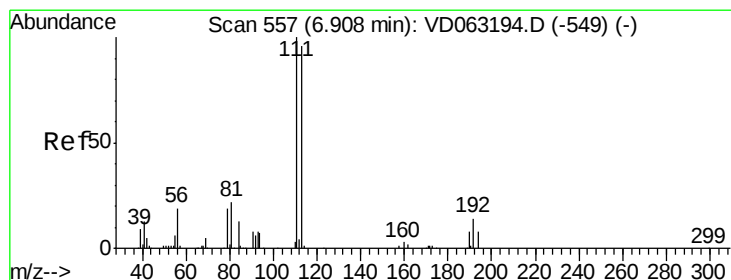
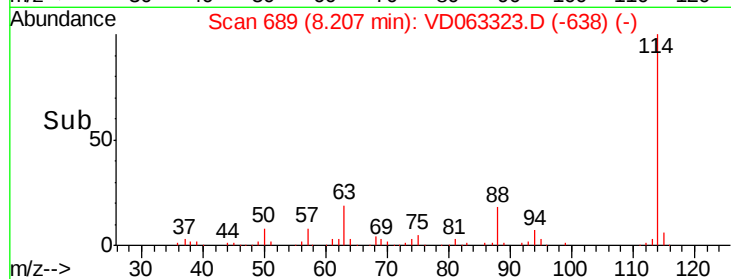
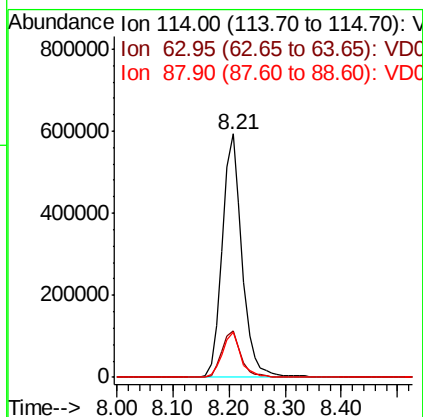
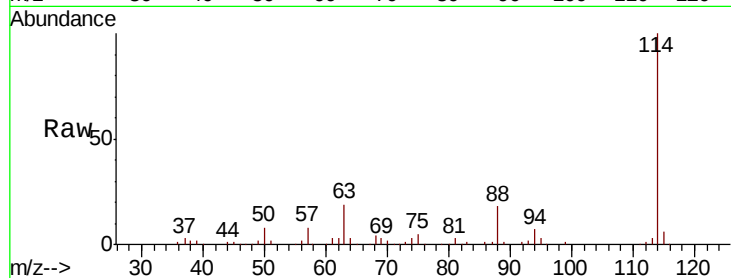




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063323.D
 Acq: 2 Aug 2019 18:12

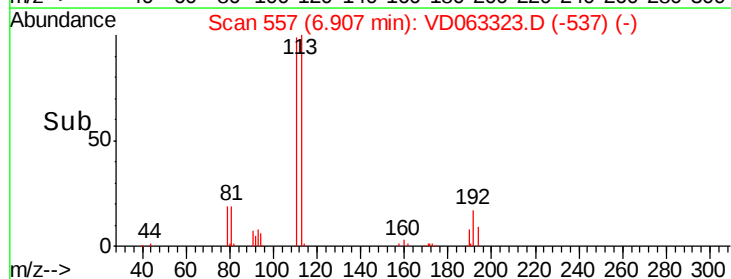
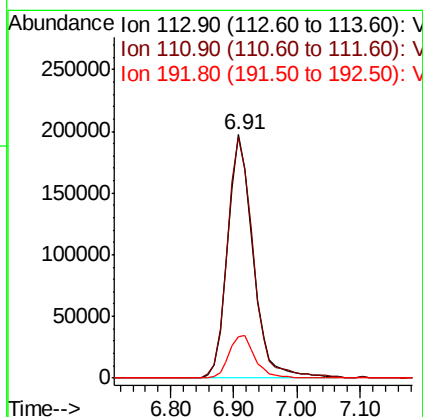
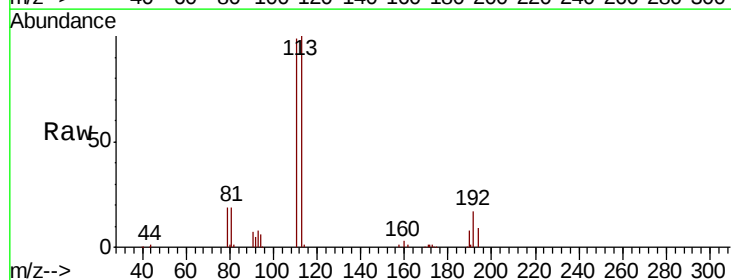
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F3-(0-1)

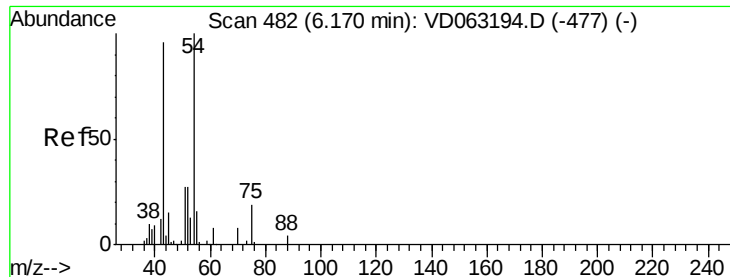
Tgt Ion:114 Resp: 1456957
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.2
 88 18.4 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 44.279 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063323.D
 Acq: 2 Aug 2019 18:12

Tgt Ion:113 Resp: 550804
 Ion Ratio Lower Upper
 113 100
 111 98.8 83.2 124.8
 192 17.2 11.8 17.8





#37

Ethyl Acetate

Concen: 1.810 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(0-1)

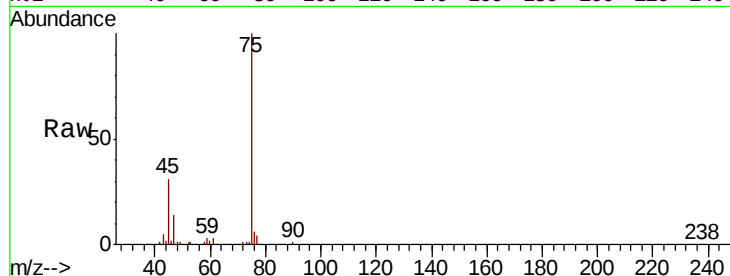
Tgt Ion: 43 Resp: 10811

Ion Ratio Lower Upper

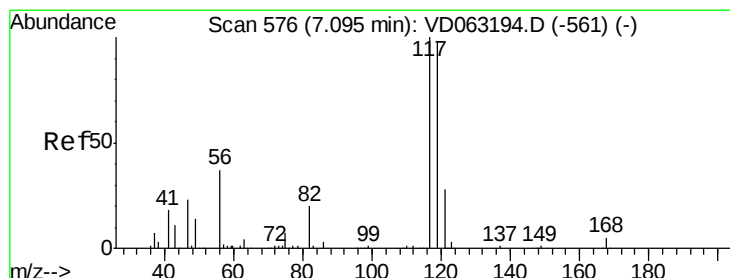
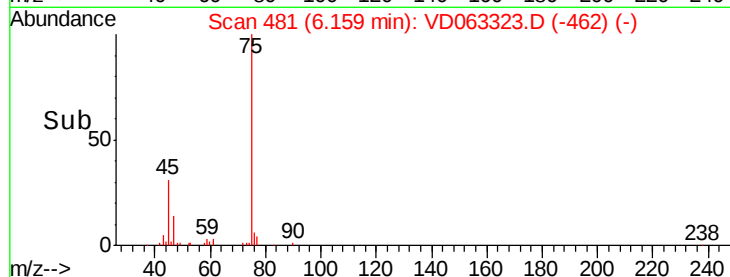
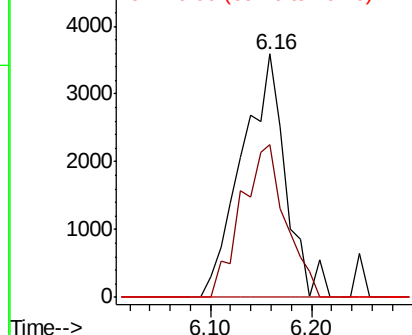
43 100

61 62.9 11.3 16.9#

70 0.0 5.1 7.7#



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: 5.444 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

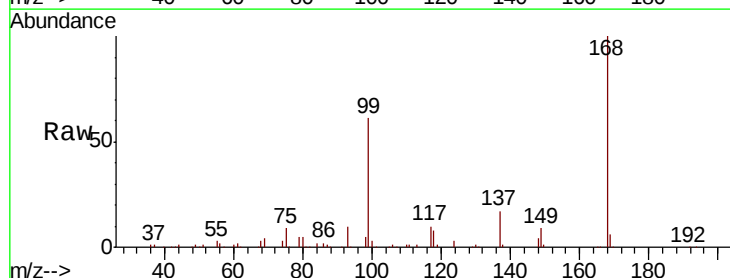
Tgt Ion: 117 Resp: 108970

Ion Ratio Lower Upper

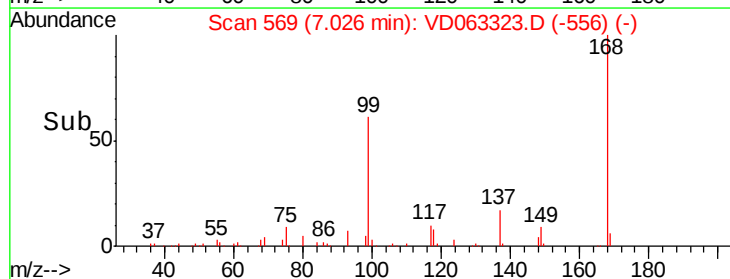
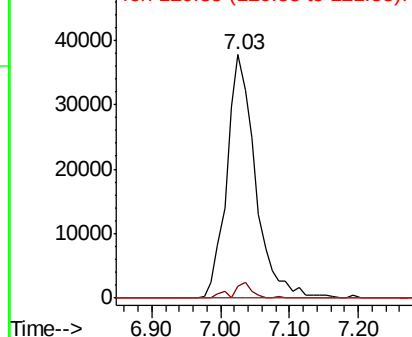
117 100

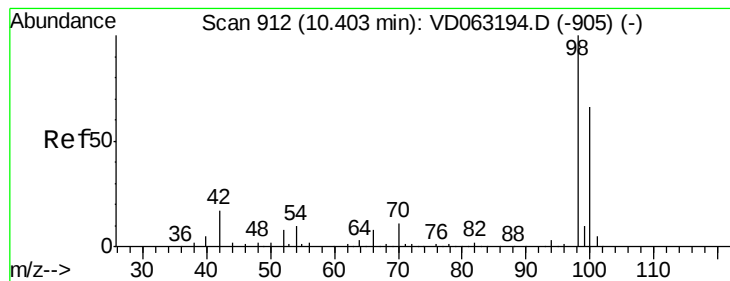
119 4.8 78.2 117.2#

121 0.0 22.1 33.1#



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





#50

Toluene-d8

Concen: 42.655 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

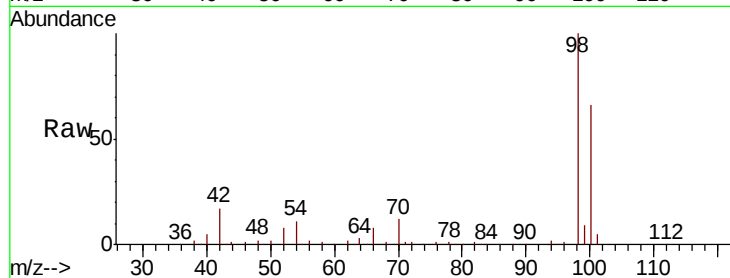
1S-F3-(0-1)

Tgt Ion: 98 Resp: 1187471

Ion Ratio Lower Upper

98 100

100 65.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.39

500000

400000

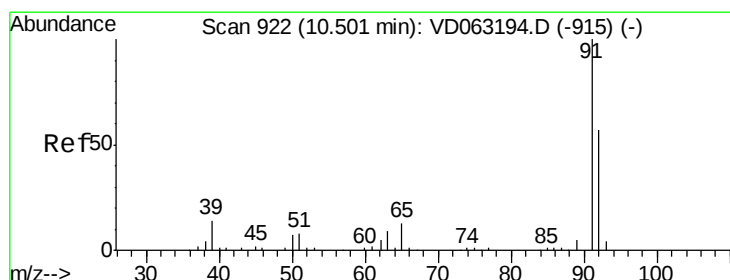
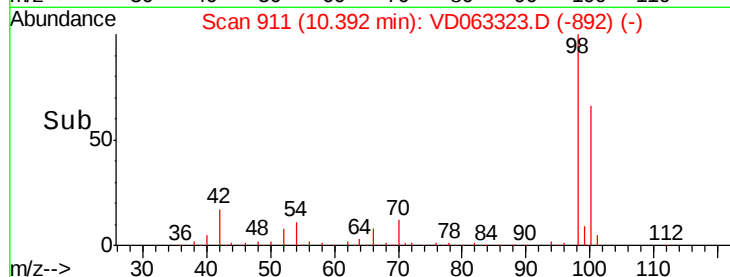
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1.778 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063323.D

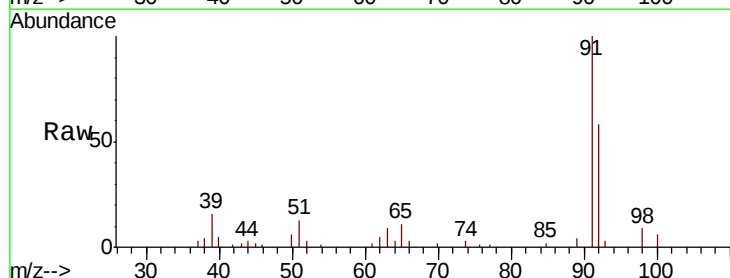
Acq: 2 Aug 2019 18:12

Tgt Ion: 92 Resp: 32958

Ion Ratio Lower Upper

92 100

91 173.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

30000

25000

20000

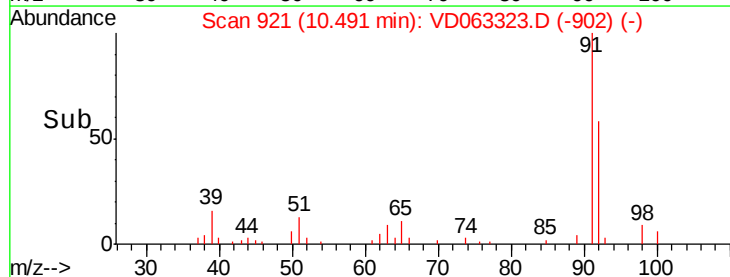
15000

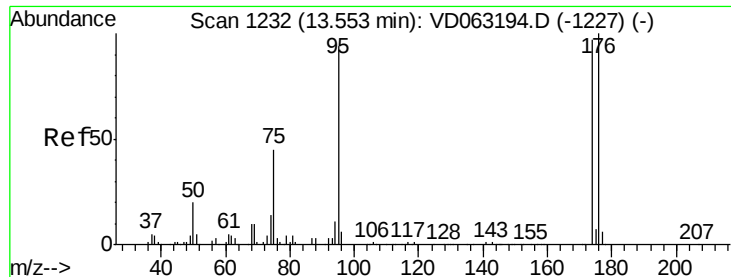
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.983 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(0-1)

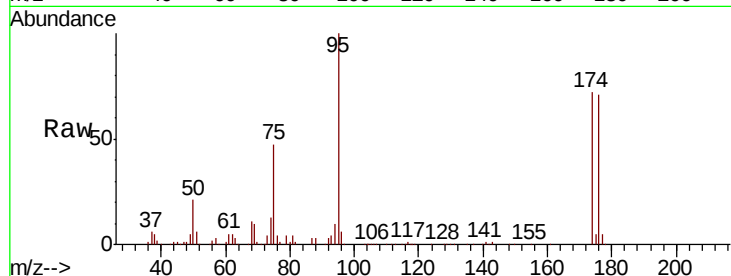
Tgt Ion: 95 Resp: 481861

Ion Ratio Lower Upper

95 100

174 72.2 0.0 205.4

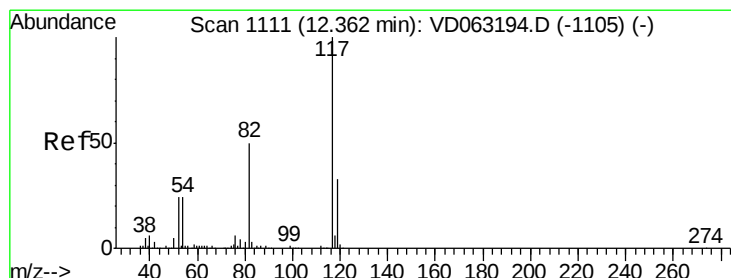
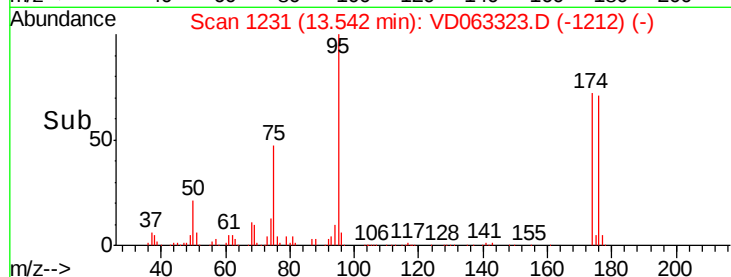
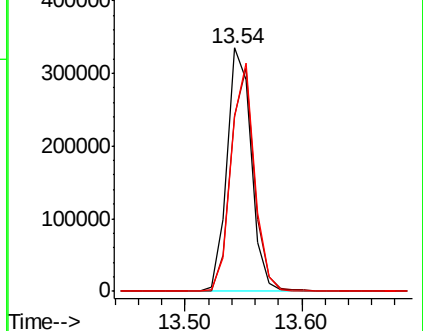
176 71.5 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

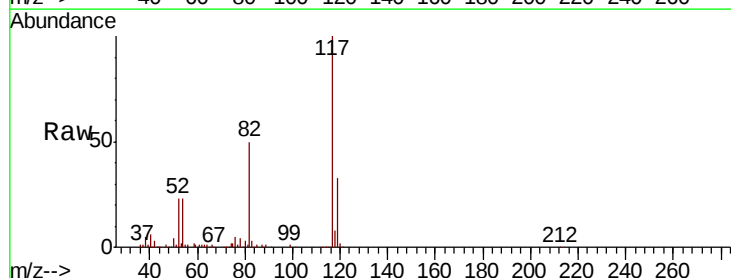
Tgt Ion: 117 Resp: 1120173

Ion Ratio Lower Upper

117 100

82 50.3 40.1 60.1

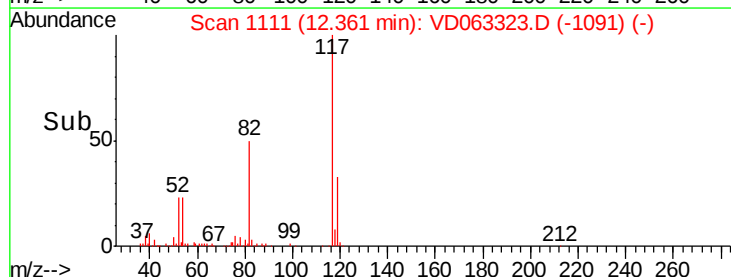
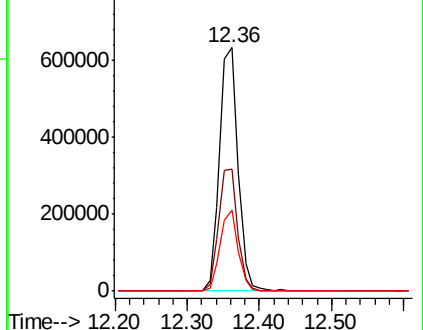
119 33.4 26.5 39.7

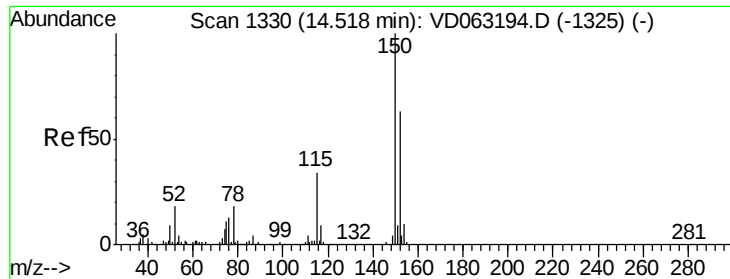


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063323.D

Acq: 2 Aug 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

1S-F3-(0-1)

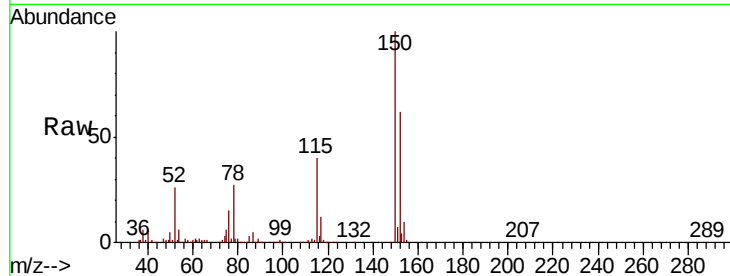
Tgt Ion:152 Resp: 589737

Ion Ratio Lower Upper

152 100

115 64.0 27.5 82.4

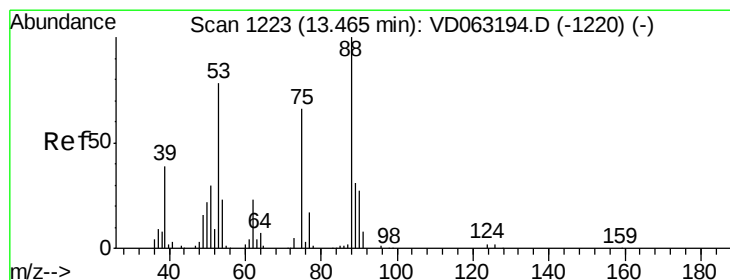
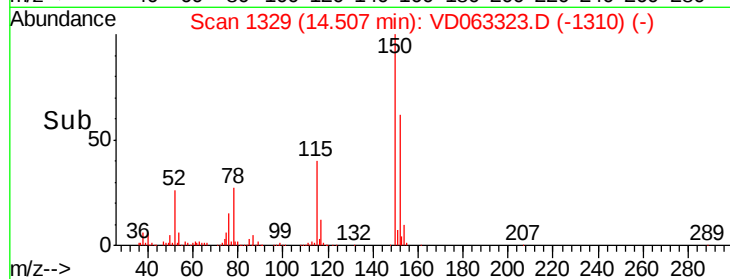
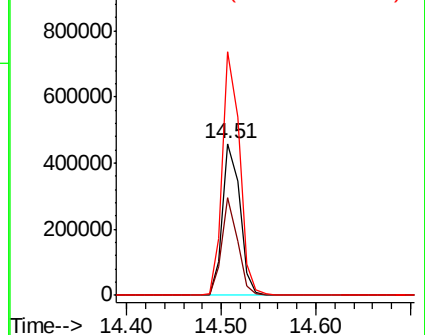
150 160.4 0.0 320.6



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: 112.676 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063323.D

Acq: 2 Aug 2019 18:12

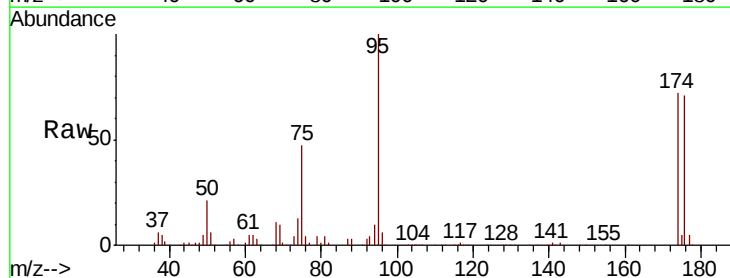
Tgt Ion: 75 Resp: 221627

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

