

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063324.D
 Acq On : 2 Aug 2019 18:39
 Operator : VA/AP
 Sample : K4130-05
 Misc : 5.84g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F4-(0-1)

Quant Time: Aug 04 03:39:58 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	7.03	168	1107482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1568233	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1247071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	654753	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	580768	47.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.52%	
35) Dibromofluoromethane	6.92	113	651556	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	10.40	98	1348716	45.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.02%	
62) 4-Bromofluorobenzene	13.55	95	578128	42.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.68%	

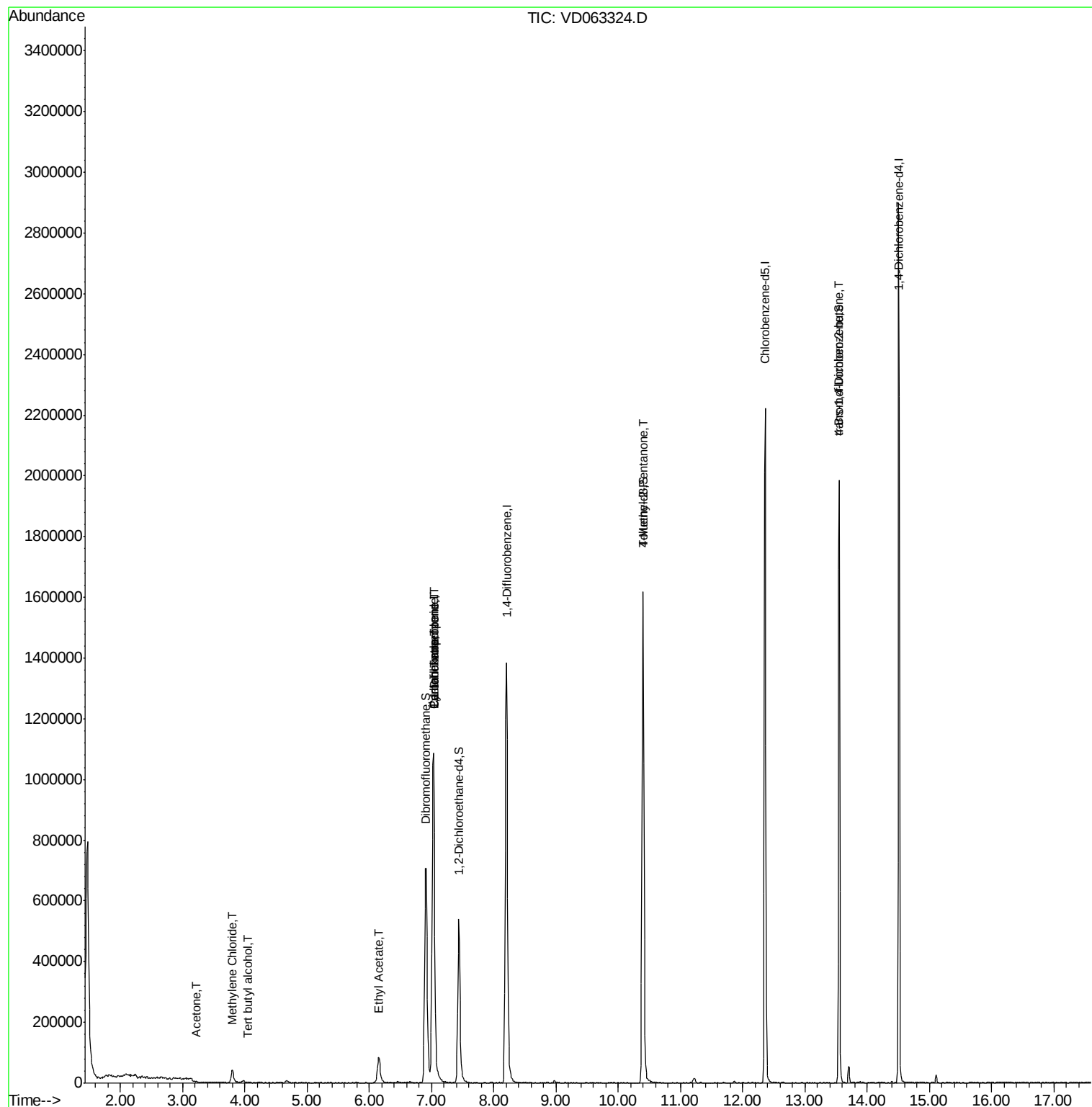
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	2196	4.072	ug/l #	69
16) Acetone	3.22	43	3058	1.277	ug/l #	80
20) Methylene Chloride	3.80	84	27143	2.805	ug/l #	83
31) Cyclohexane	7.03	56	20660	1.887	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	82501	5.764	ug/l #	49
37) Ethyl Acetate	6.15	43	7214	1.122	ug/l #	31
38) Carbon Tetrachloride	7.03	117	105187	4.882	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	7853	1.406	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	263130	120.492	ug/l #	3

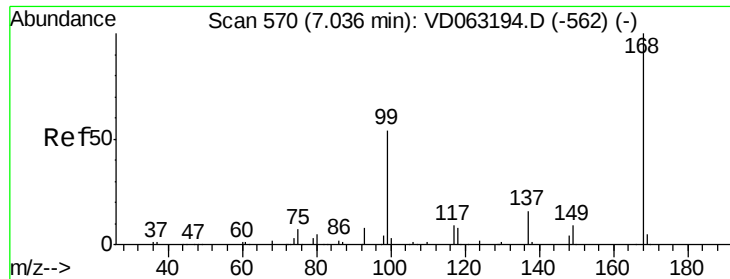
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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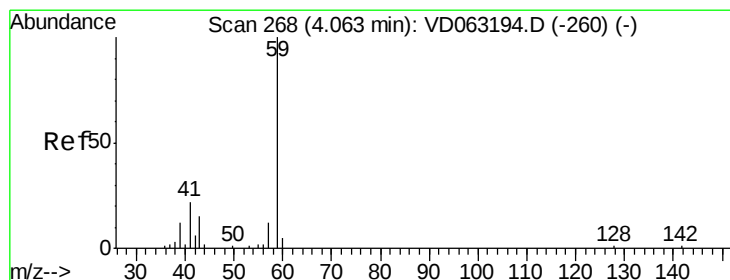
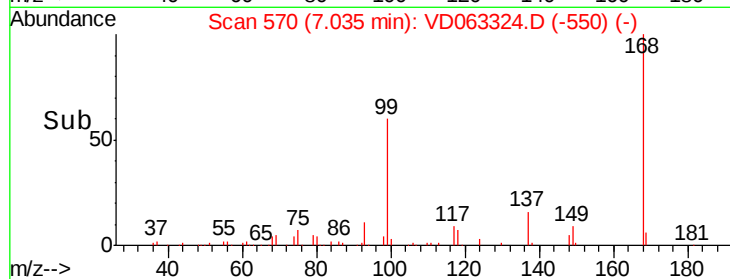
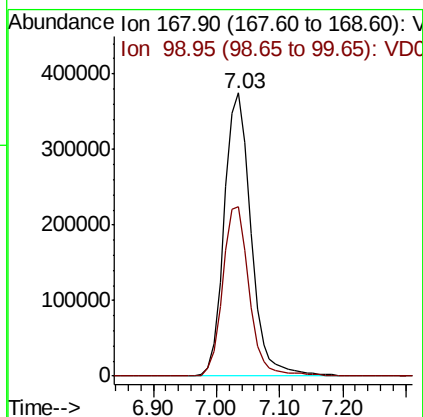
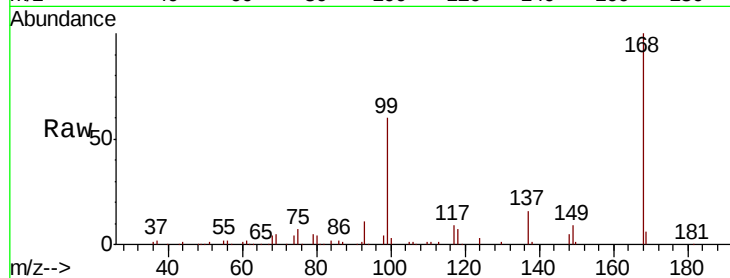




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

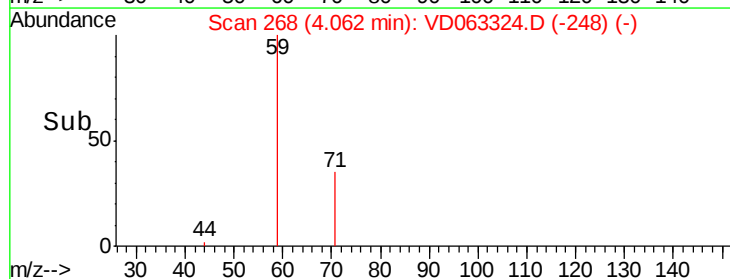
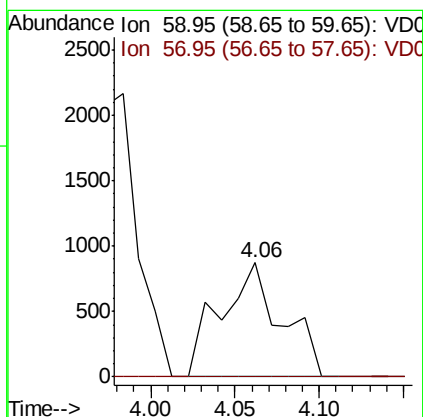
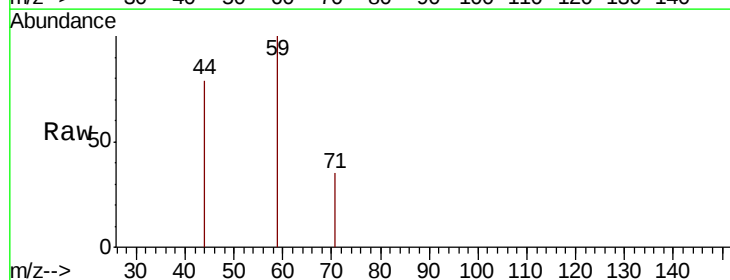
Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(0-1)

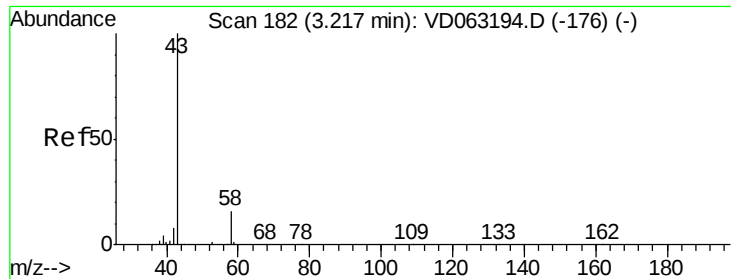
Tgt Ion:168 Resp: 1107482
Ion Ratio Lower Upper
168 100
99 59.7 43.7 65.5



#11
Tert butyl alcohol
Concen: 4.072 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

Tgt Ion: 59 Resp: 2196
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#16

Acetone

Concen: 1.277 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

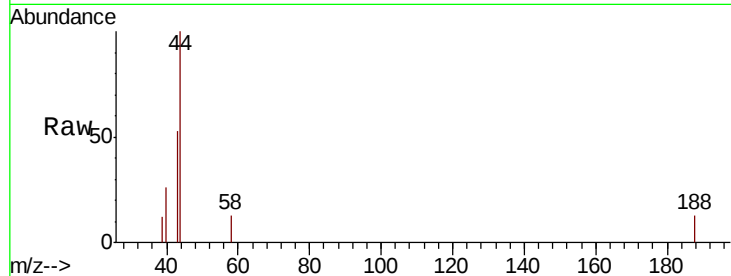
1S-F4-(0-1)

Tgt Ion: 43 Resp: 3058

Ion Ratio Lower Upper

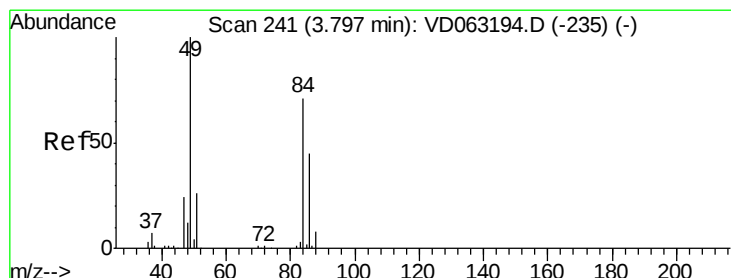
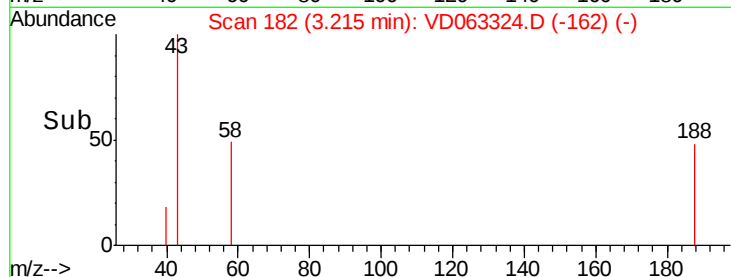
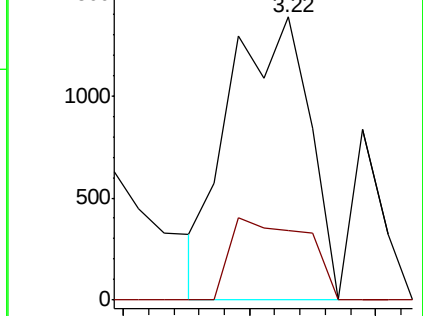
43 100

58 24.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.805 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Tgt Ion: 84 Resp: 27143

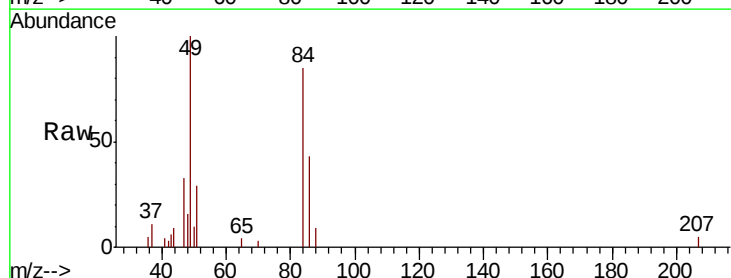
Ion Ratio Lower Upper

84 100

49 117.1 112.5 168.7

51 33.6 29.6 44.4

86 49.9 50.4 75.6#

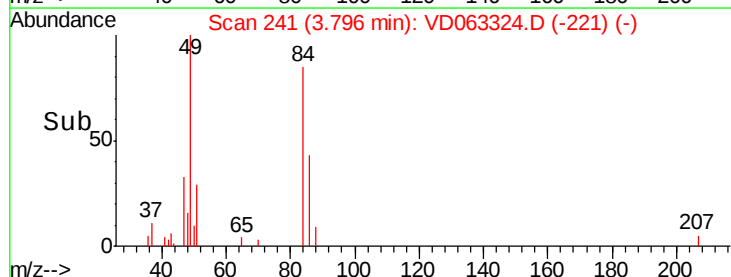
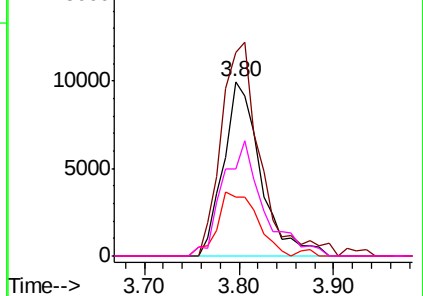


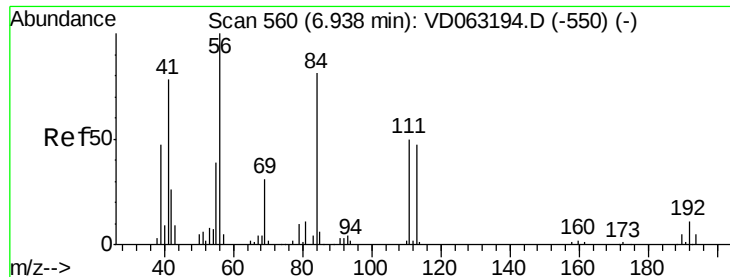
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

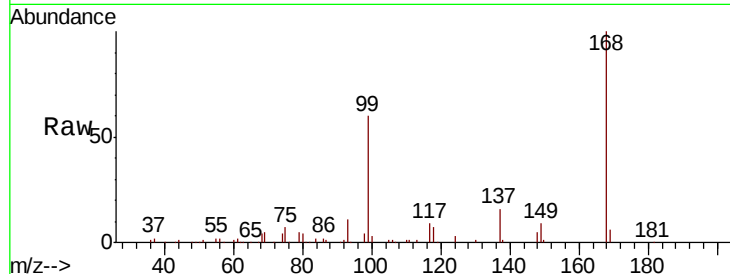




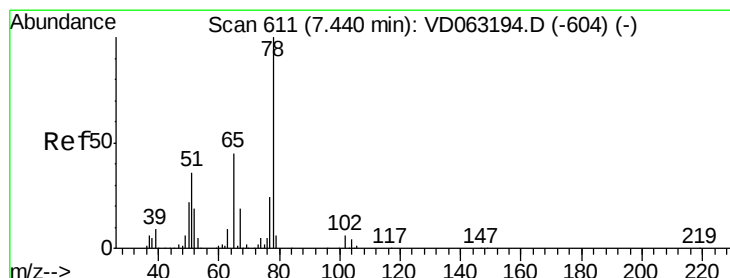
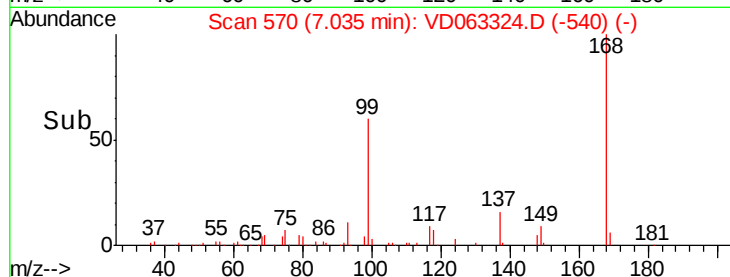
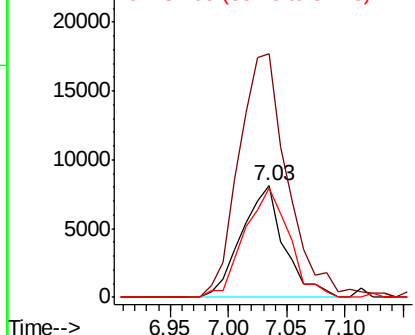
#31
Cyclohexane
Concen: 1.887 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(0-1)

Tgt Ion: 56 Resp: 20660
Ion Ratio Lower Upper
56 100
69 218.6 24.5 36.7#
84 97.7 64.9 97.3#

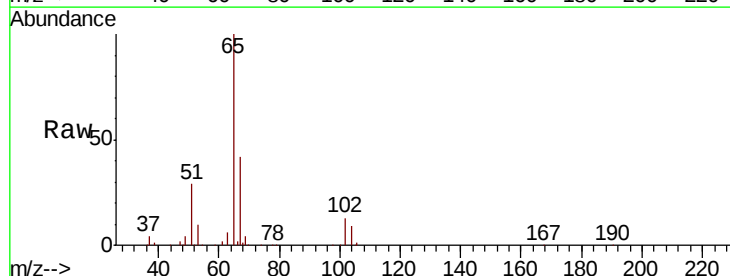


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

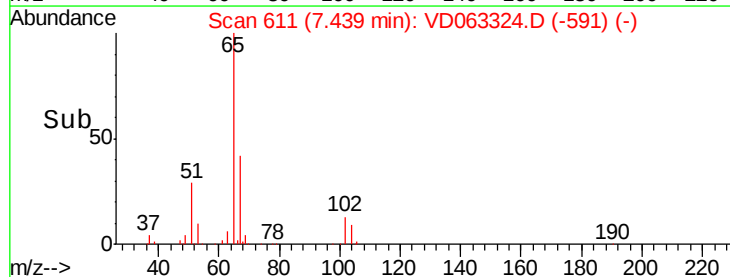
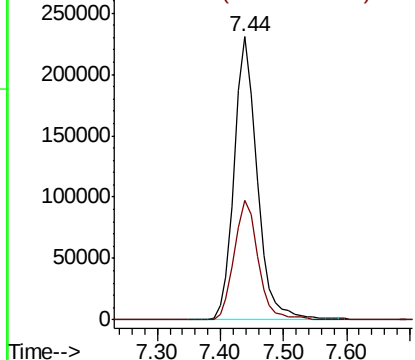


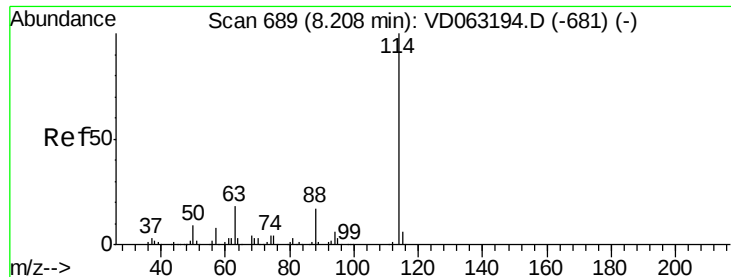
#33
1,2-Dichloroethane-d4
Concen: 47.261 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

Tgt Ion: 65 Resp: 580768
Ion Ratio Lower Upper
65 100
67 42.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(0-1)

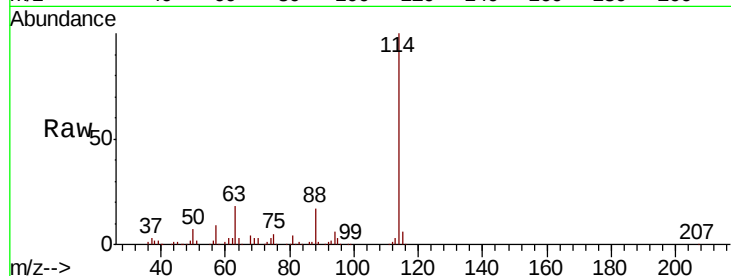
Tgt Ion:114 Resp: 1568233

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

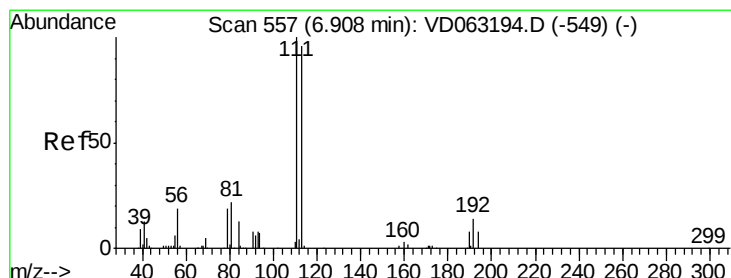
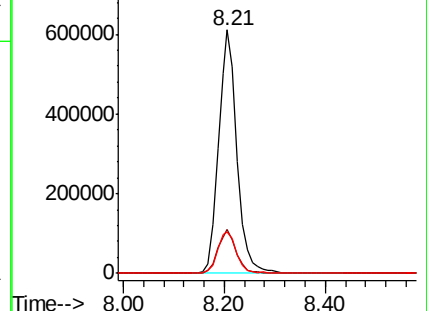
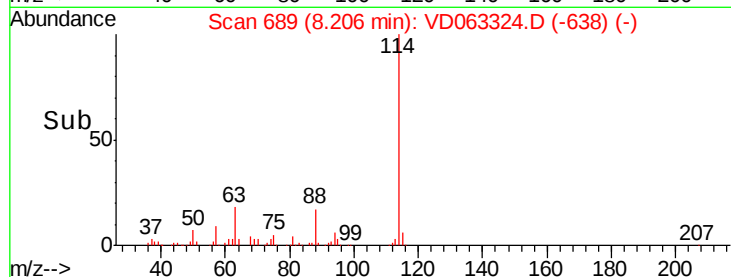
88 17.0 0.0 34.6



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: 48.662 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

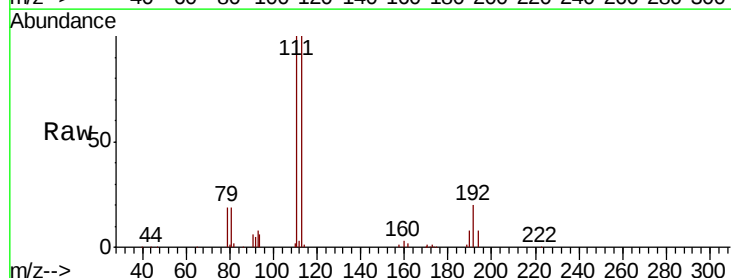
Tgt Ion:113 Resp: 651556

Ion Ratio Lower Upper

113 100

111 100.1 83.2 124.8

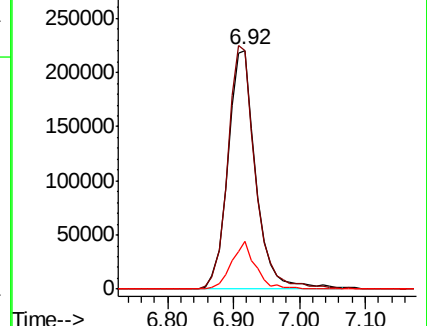
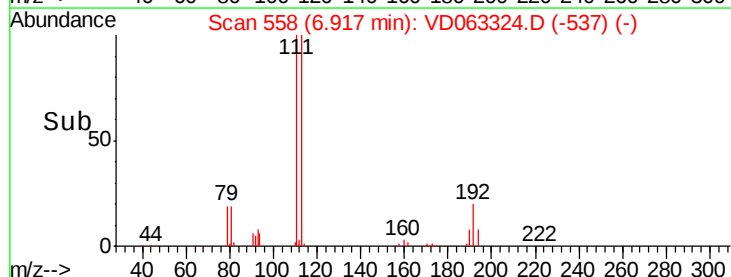
192 20.2 11.8 17.8#

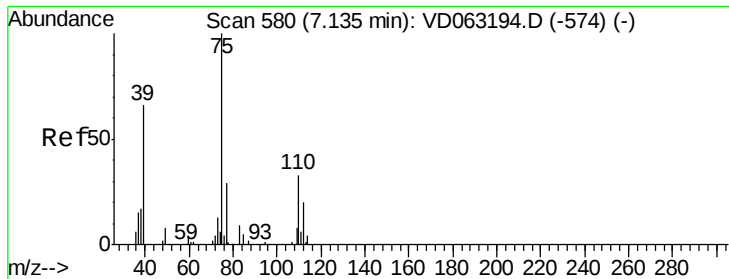


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.764 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(0-1)

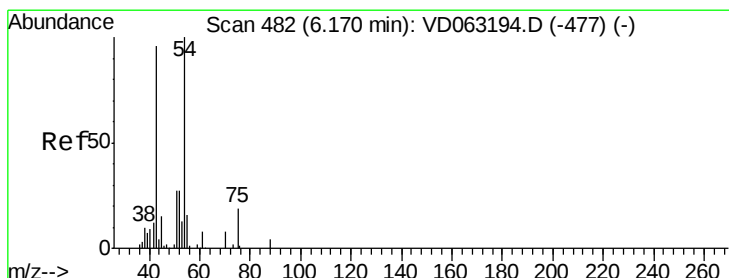
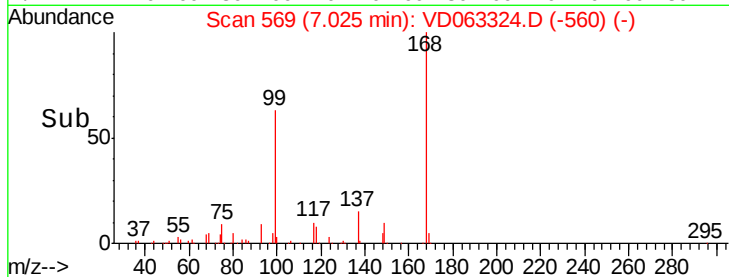
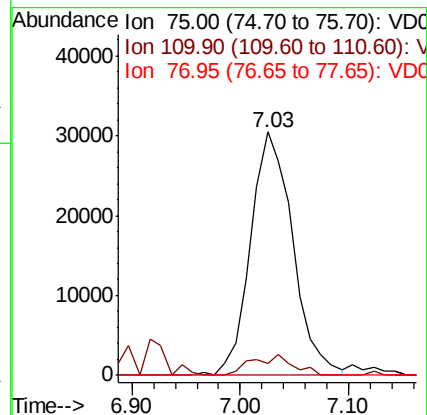
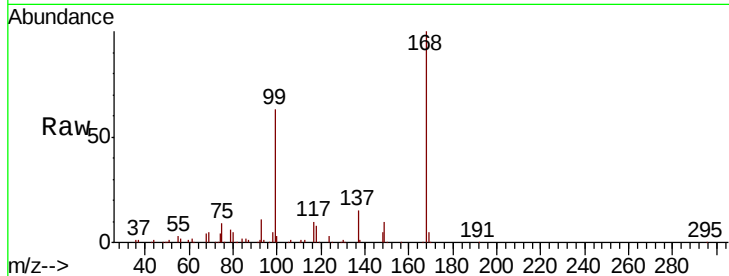
Tgt Ion: 75 Resp: 82501

Ion Ratio Lower Upper

75 100

110 4.7 16.1 48.2#

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.122 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

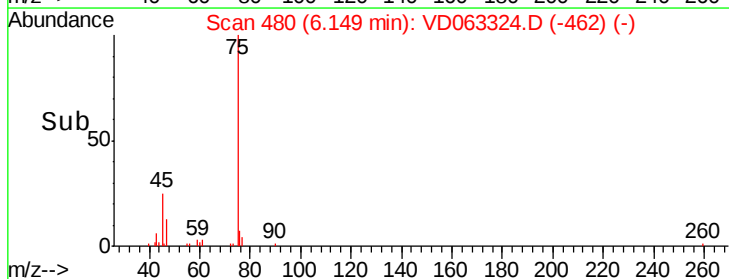
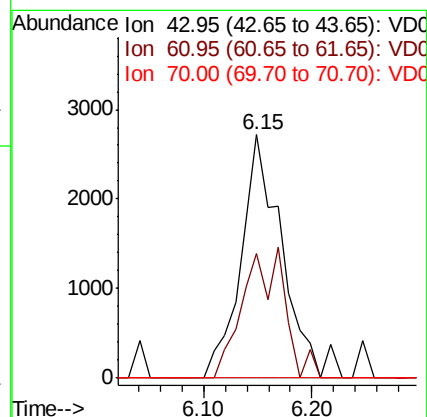
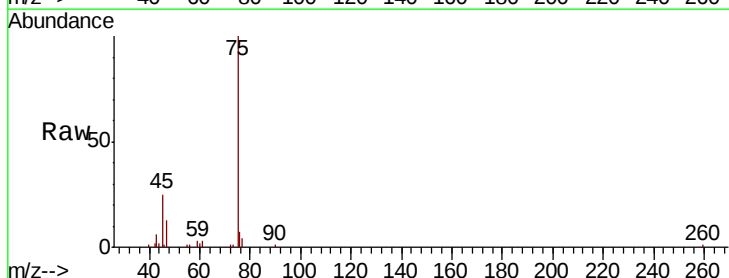
Tgt Ion: 43 Resp: 7214

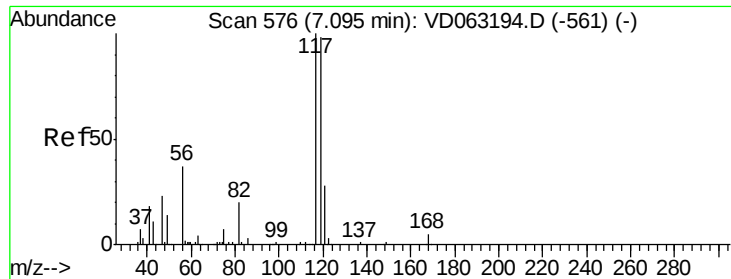
Ion Ratio Lower Upper

43 100

61 51.3 11.3 16.9#

70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 4.882 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(0-1)

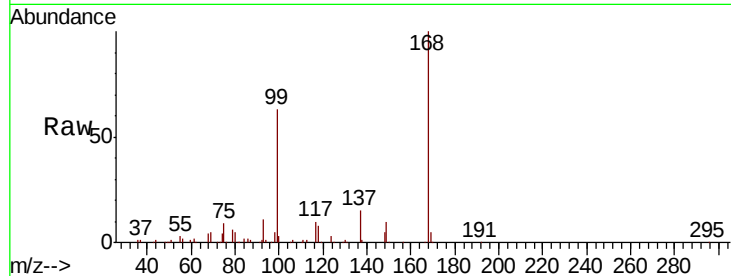
Tgt Ion:117 Resp: 105187

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

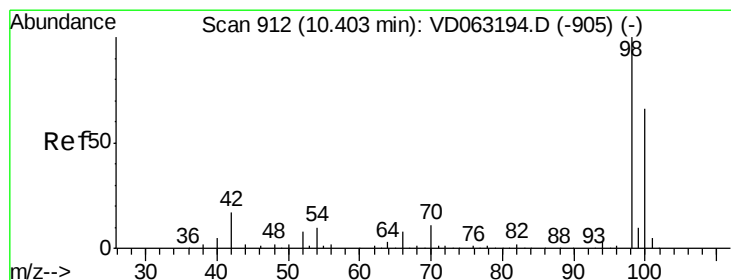
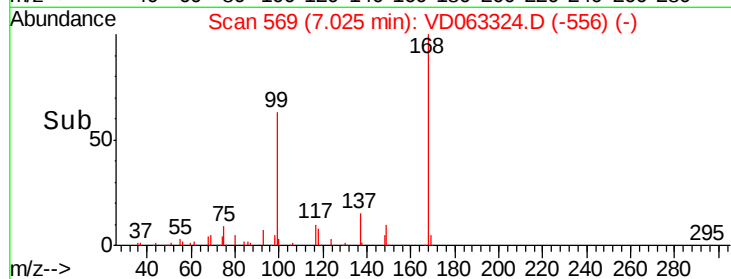
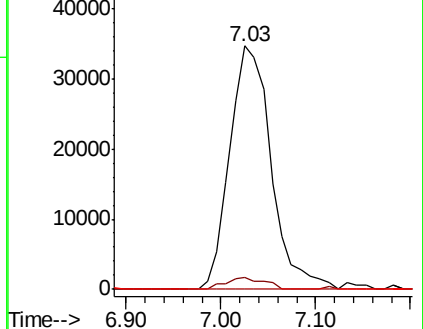
121 0.0 22.1 33.1#



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: 45.009 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063324.D

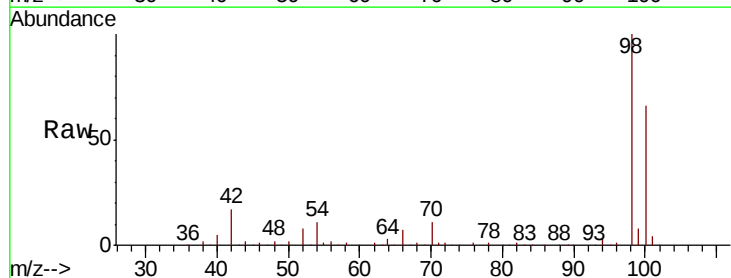
Acq: 2 Aug 2019 18:39

Tgt Ion: 98 Resp: 1348716

Ion Ratio Lower Upper

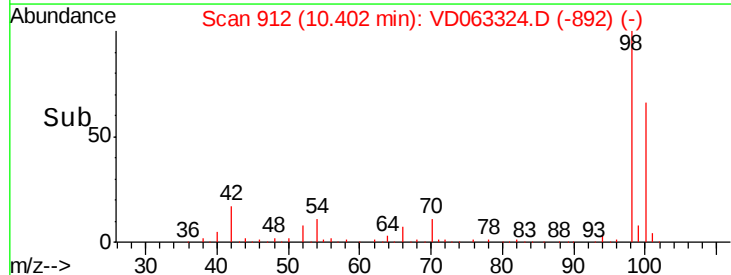
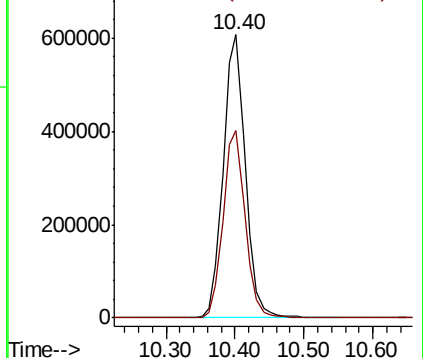
98 100

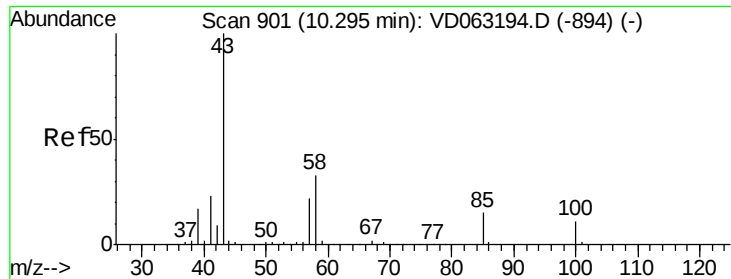
100 66.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

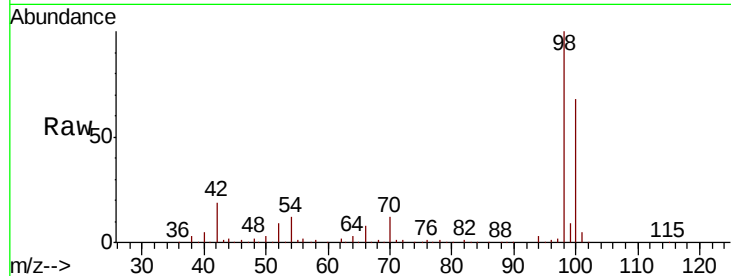




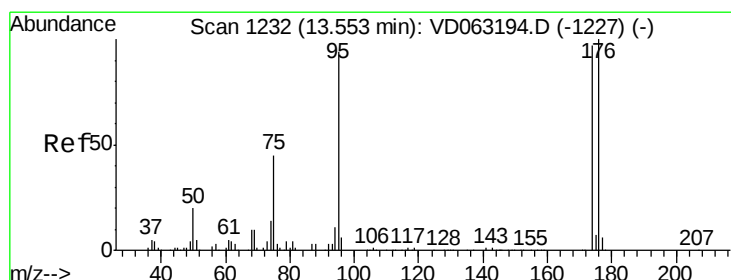
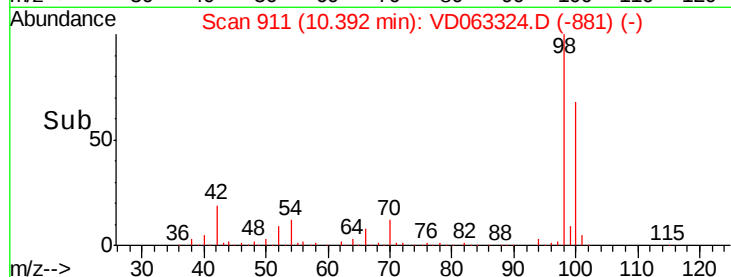
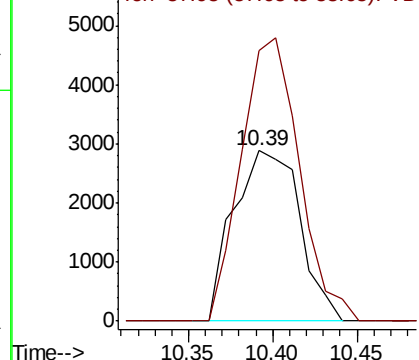
#51
 4-Methyl-2-Pentanone
 Concen: 1.406 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. 0.10 min
 Lab File: VD063324.D
 Acq: 2 Aug 2019 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F4-(0-1)

Tgt Ion: 43 Resp: 7853
 Ion Ratio Lower Upper
 43 100
 58 158.7 26.2 39.2#

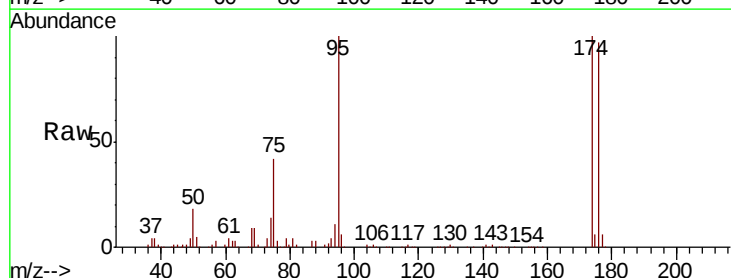


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

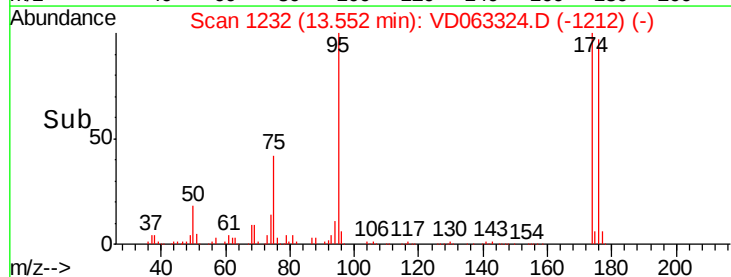
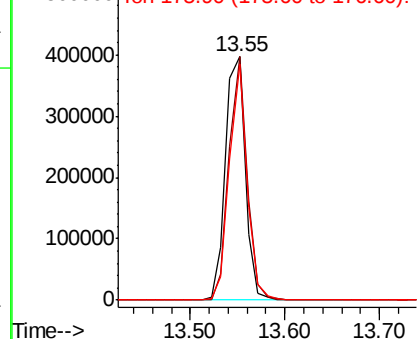


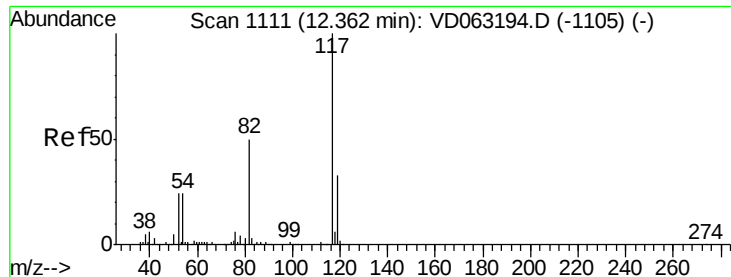
#62
 4-Bromofluorobenzene
 Concen: 42.338 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063324.D
 Acq: 2 Aug 2019 18:39

Tgt Ion: 95 Resp: 578128
 Ion Ratio Lower Upper
 95 100
 174 100.0 0.0 205.4
 176 96.9 0.0 211.8



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

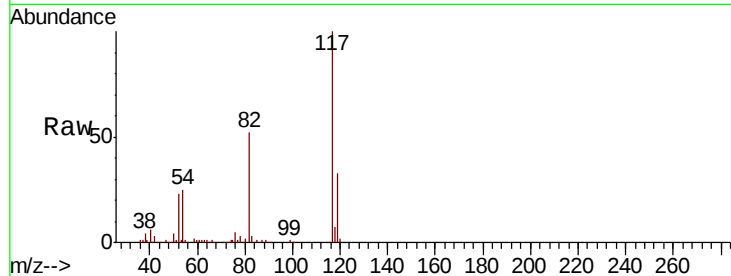




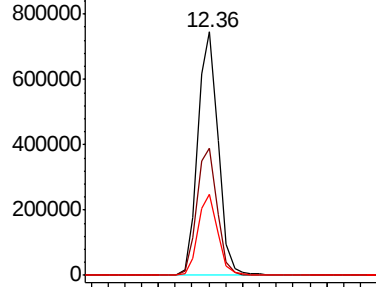
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
1S-F4-(0-1)

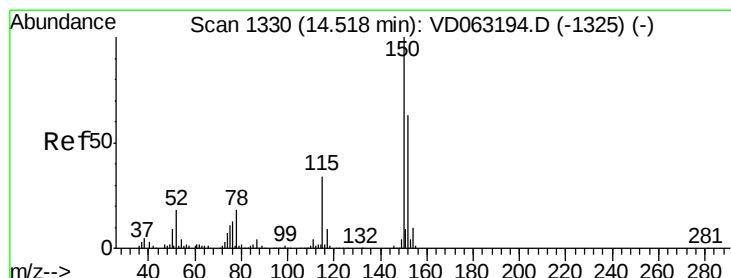
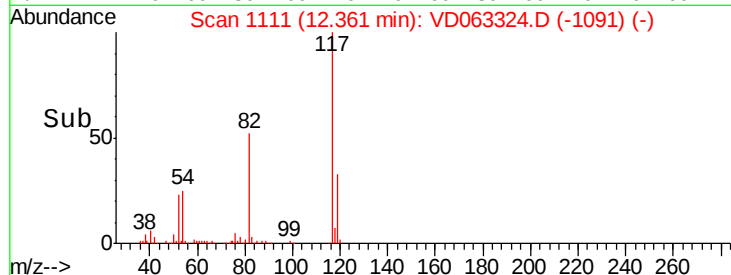
Tgt Ion:117 Resp: 1247071
Ion Ratio Lower Upper
117 100
82 52.5 40.1 60.1
119 33.2 26.5 39.7



Abundance Ion 116.95 (116.65 to 117.65): V
1000000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

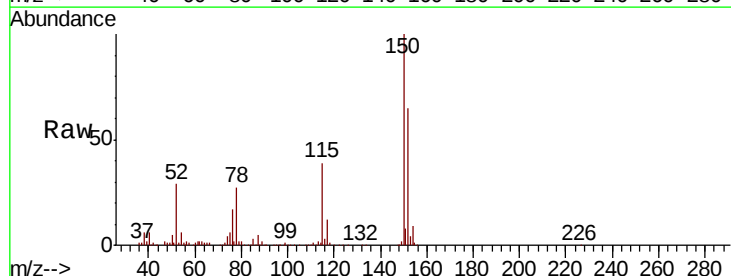


Time-->

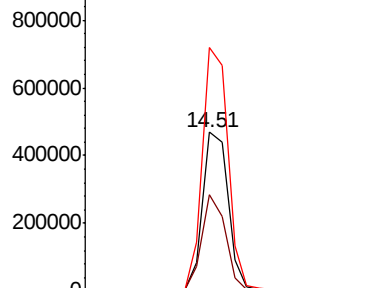


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063324.D
Acq: 2 Aug 2019 18:39

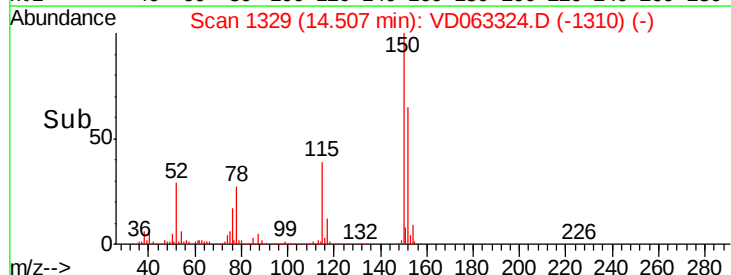
Tgt Ion:152 Resp: 654753
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.4
150 153.6 0.0 320.6

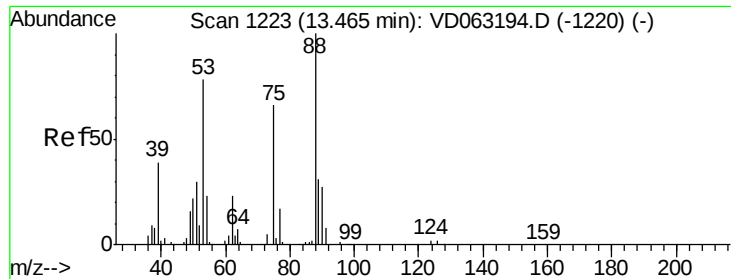


Abundance Ion 151.90 (151.60 to 152.60): V
1000000 Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 120.492 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063324.D

Acq: 2 Aug 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

1S-F4-(0-1)

Tgt Ion: 75 Resp: 263130

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

