

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063322.D
 Acq On : 2 Aug 2019 17:44
 Operator : VA/AP
 Sample : K4130-03
 Misc : 6.15g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-F2-(0-1)

Quant Time: Aug 04 03:39:35 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	1178469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1585669	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1275163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	592118	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	510457	39.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.08%	
35) Dibromofluoromethane	6.91	113	616615	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
50) Toluene-d8	10.40	98	1368820	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	13.55	95	519450	37.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.24%	

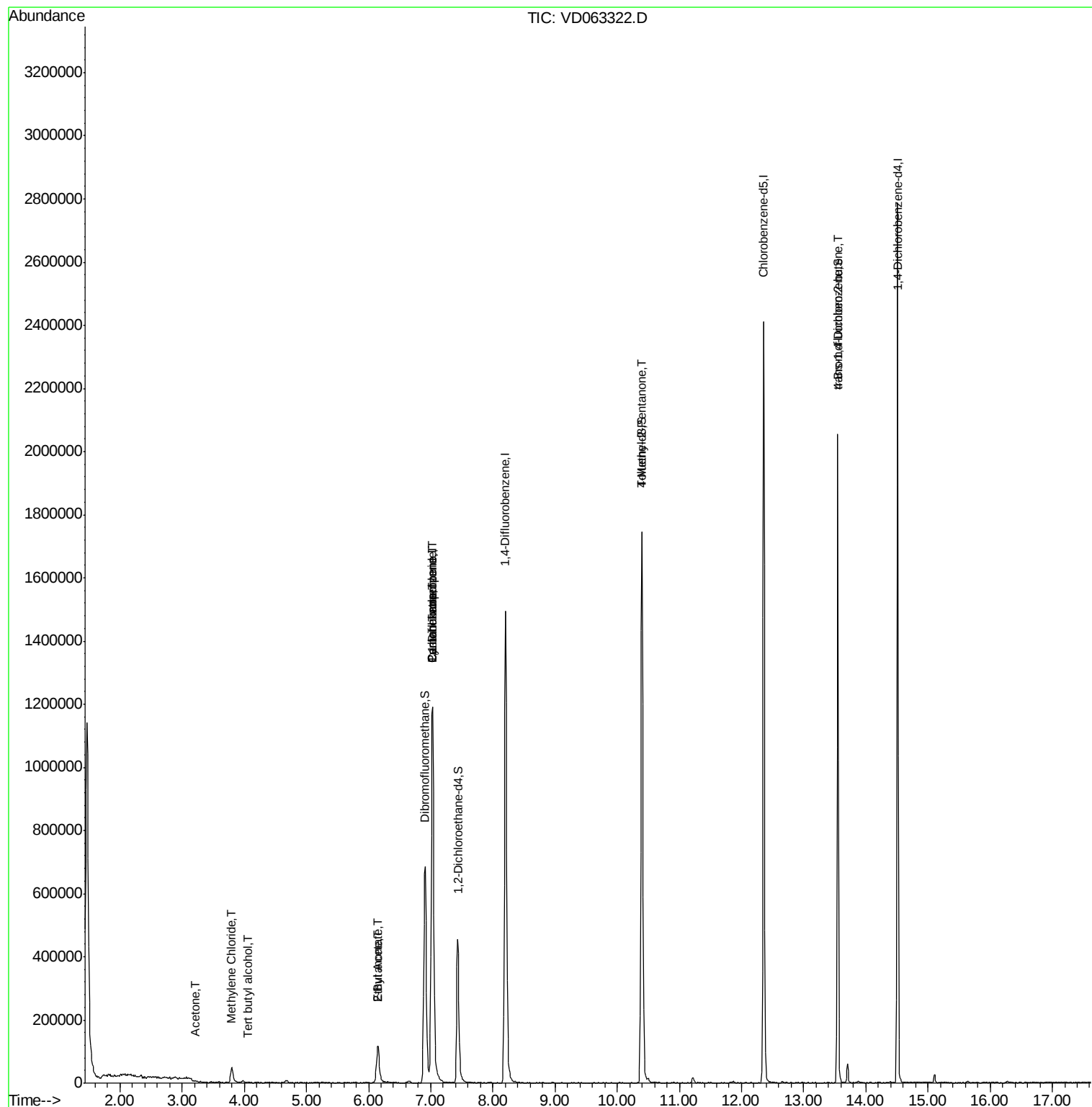
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	2350	4.095	ug/l #	69
16) Acetone	3.22	43	4248	1.667	ug/l #	62
20) Methylene Chloride	3.79	84	29939	2.907	ug/l #	86
25) 2-Butanone	6.15	43	8288	3.241	ug/l #	56
31) Cyclohexane	7.03	56	27590	2.369	ug/l #	22
36) 1,1-Dichloropropene	7.02	75	87964	6.079	ug/l #	52
37) Ethyl Acetate	6.15	43	8289	1.275	ug/l #	1
38) Carbon Tetrachloride	7.03	117	117503	5.394	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	6640	1.176	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	246253	124.692	ug/l #	3

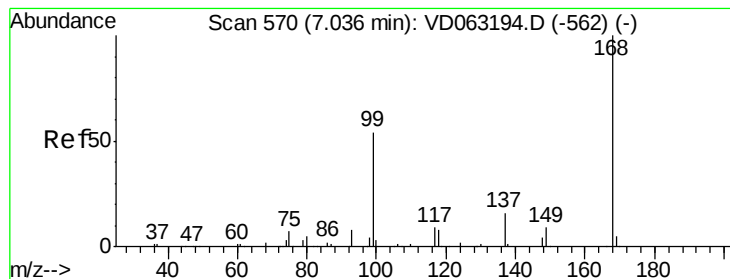
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Quant Time: Aug 04 03:39:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

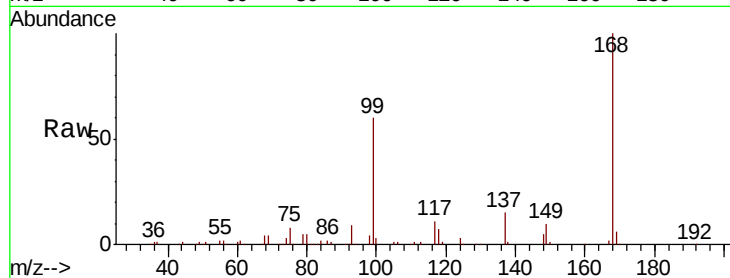
1S-F2-(0-1)

Tgt Ion:168 Resp: 1178469

Ion Ratio Lower Upper

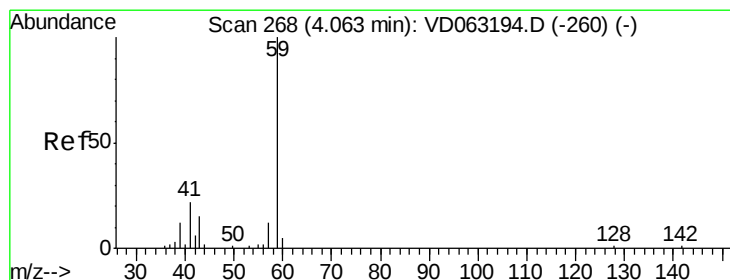
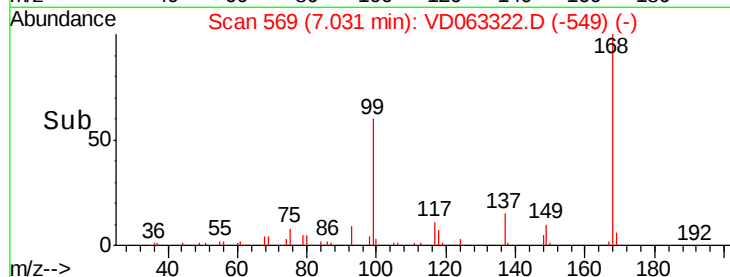
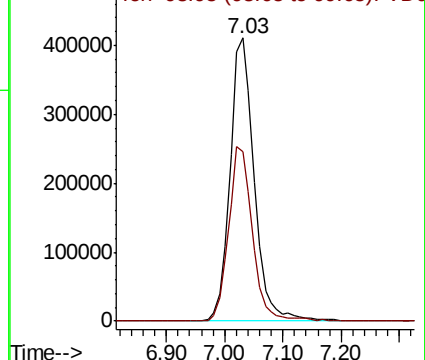
168 100

99 59.7 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: 4.095 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063322.D

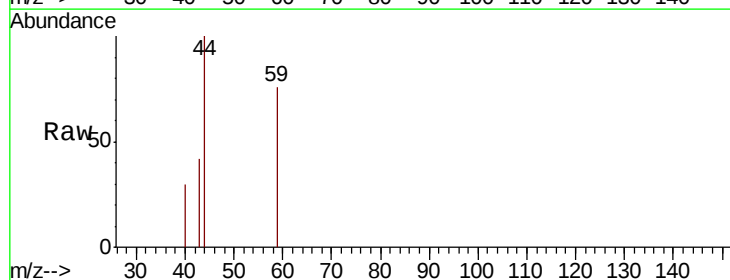
Acq: 2 Aug 2019 17:44

Tgt Ion: 59 Resp: 2350

Ion Ratio Lower Upper

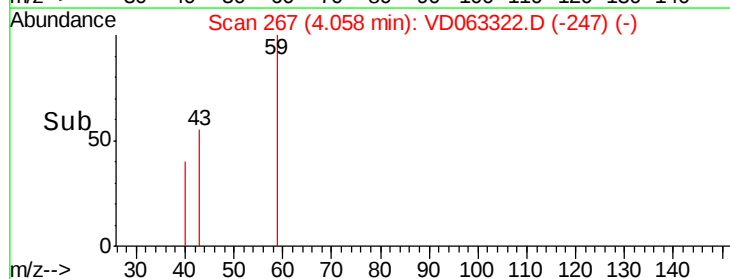
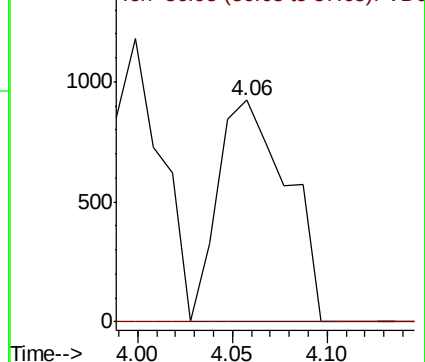
59 100

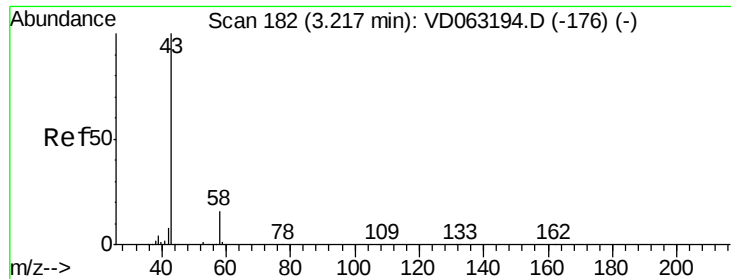
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.667 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

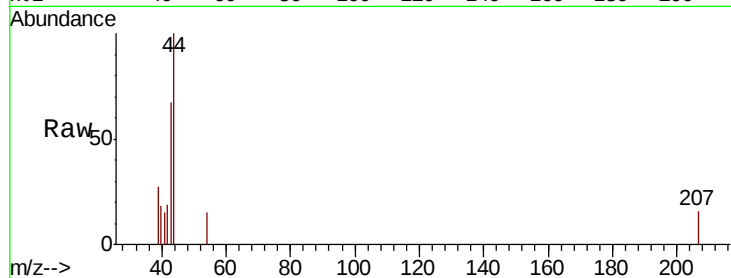
1S-F2-(0-1)

Tgt Ion: 43 Resp: 4248

Ion Ratio Lower Upper

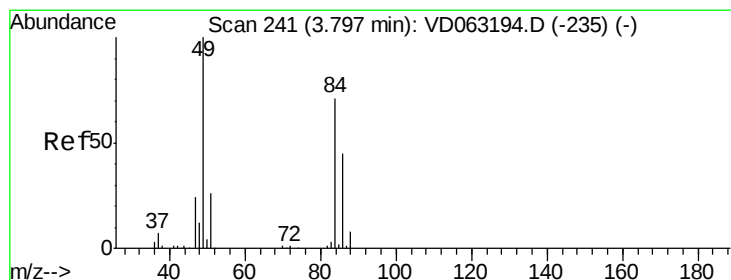
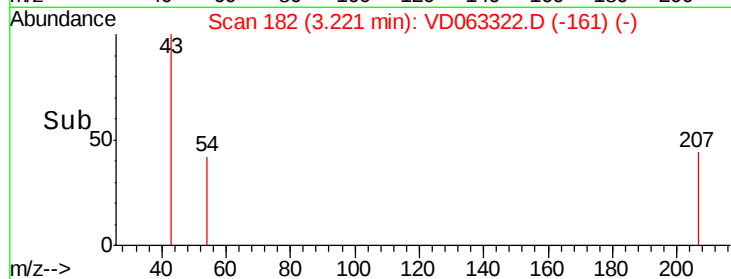
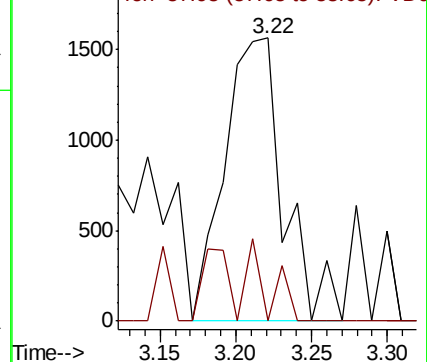
43 100

58 0.0 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: 2.907 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Tgt Ion: 84 Resp: 29939

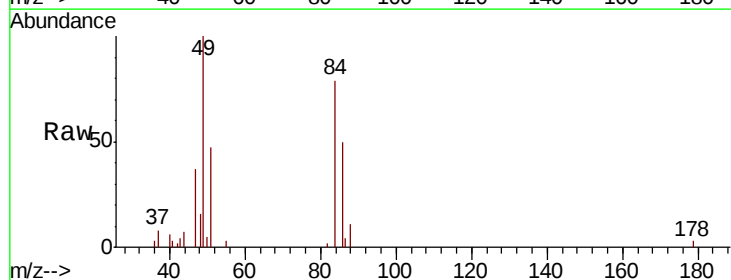
Ion Ratio Lower Upper

84 100

49 126.2 112.5 168.7

51 59.5 29.6 44.4#

86 68.2 50.4 75.6

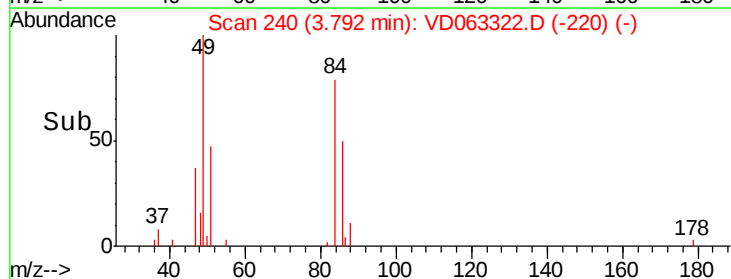
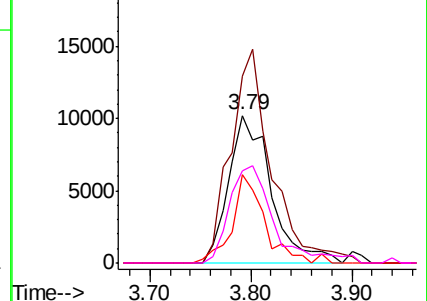


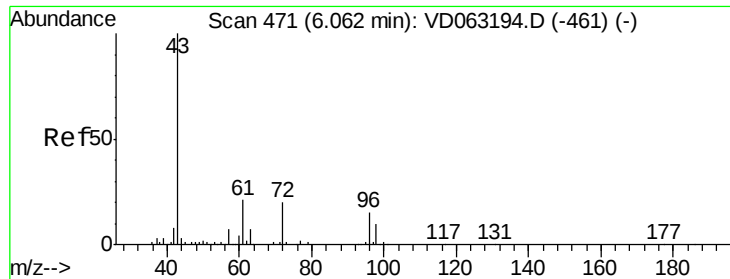
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

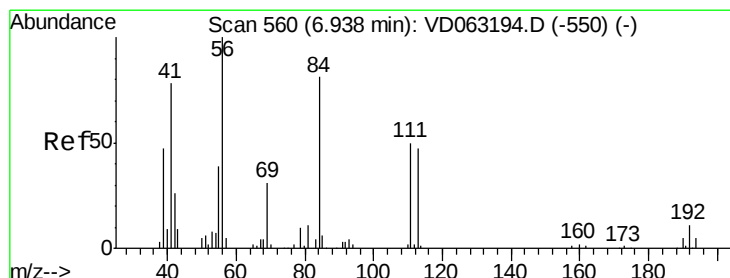
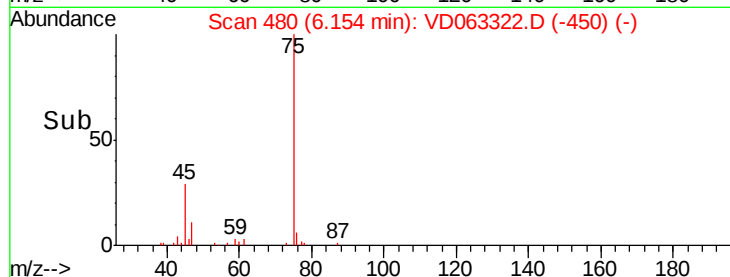
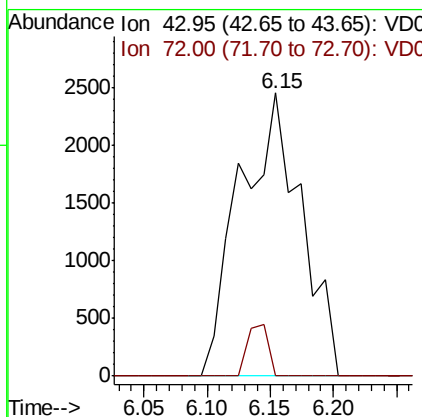
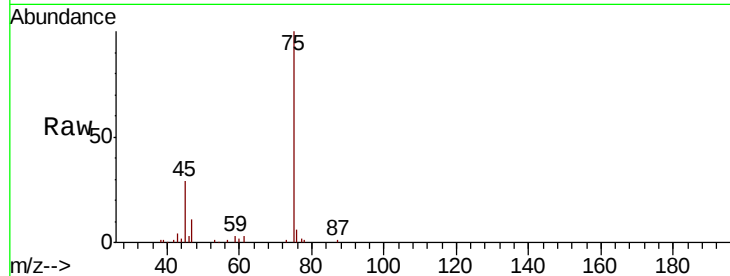




#25
2-Butanone
Concen: 3.241 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

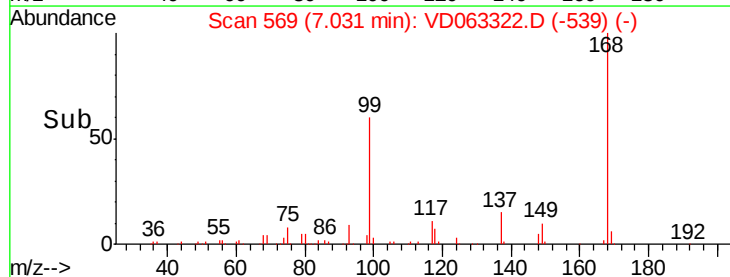
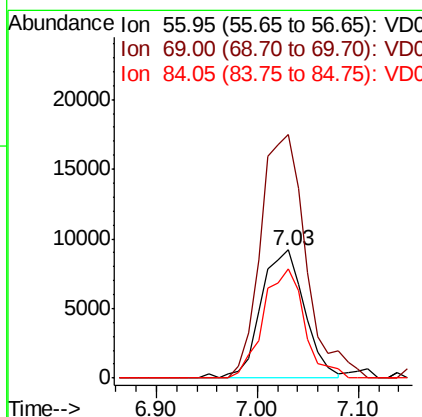
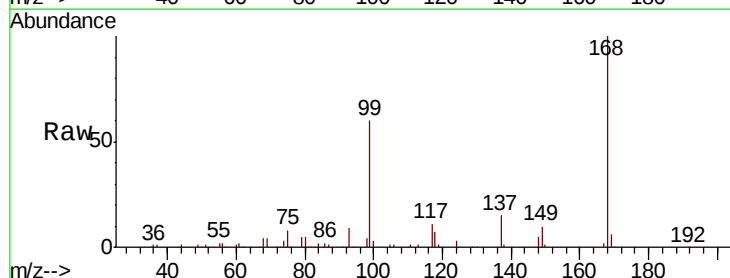
Instrument :
MSVOA_D
ClientSampleId :
1S-F2-(0-1)

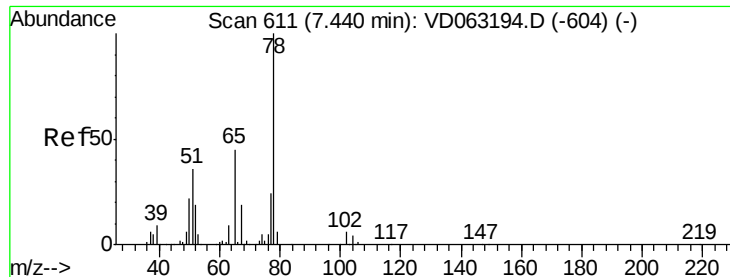
Tgt Ion: 43 Resp: 8288
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#31
Cyclohexane
Concen: 2.369 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

Tgt Ion: 56 Resp: 27590
Ion Ratio Lower Upper
56 100
69 183.2 24.5 36.7#
84 82.4 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 39.037 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

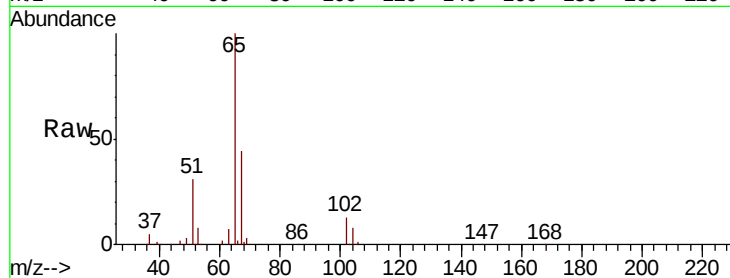
1S-F2-(0-1)

Tgt Ion: 65 Resp: 510457

Ion Ratio Lower Upper

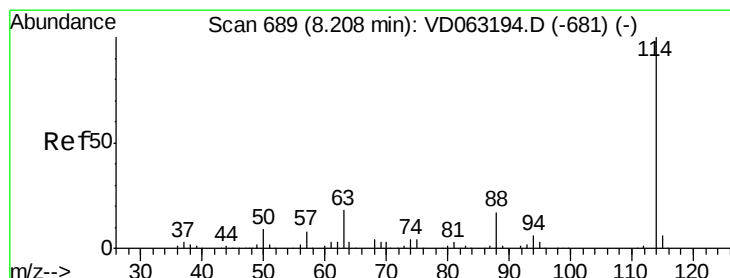
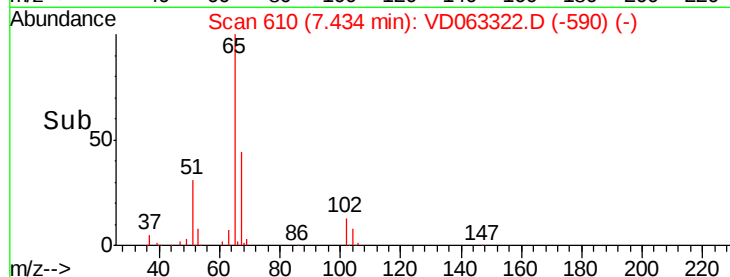
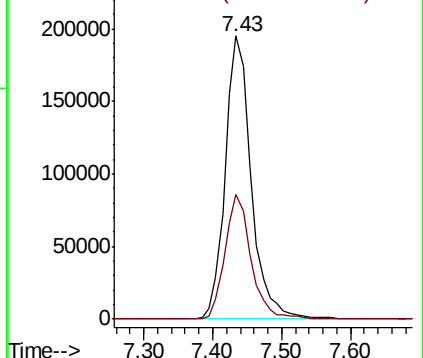
65 100

67 44.2 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: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

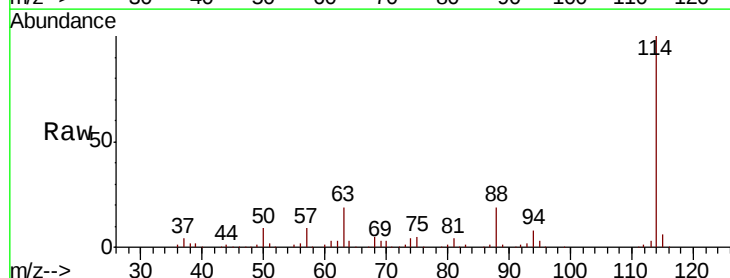
Tgt Ion: 114 Resp: 1585669

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.2

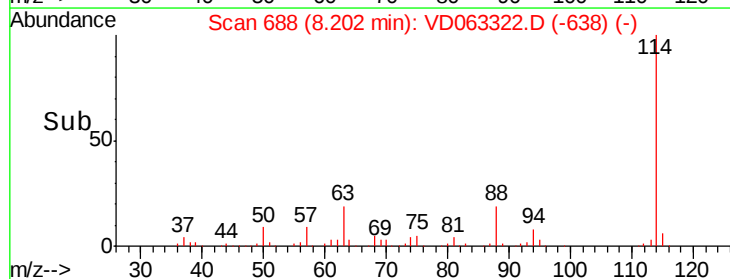
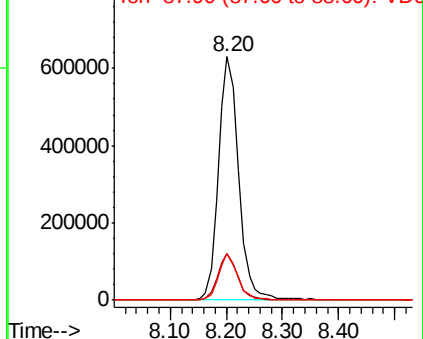
88 19.3 0.0 34.6

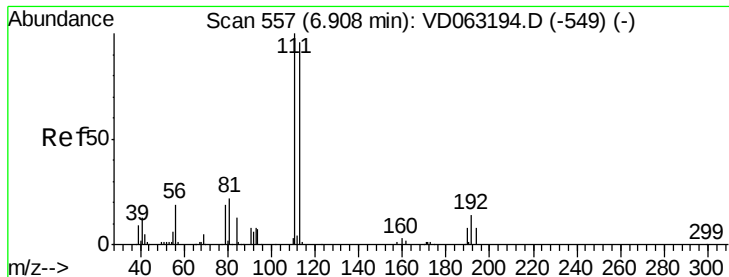


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 45.546 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

1S-F2-(0-1)

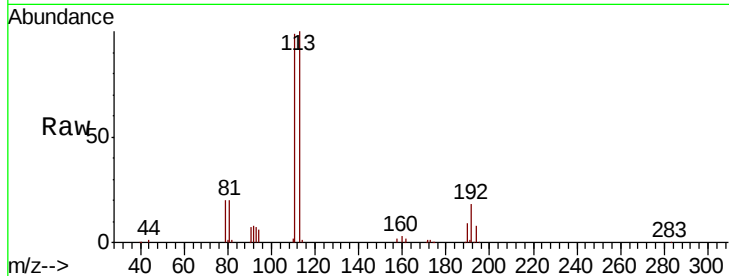
Tgt Ion:113 Resp: 616615

Ion Ratio Lower Upper

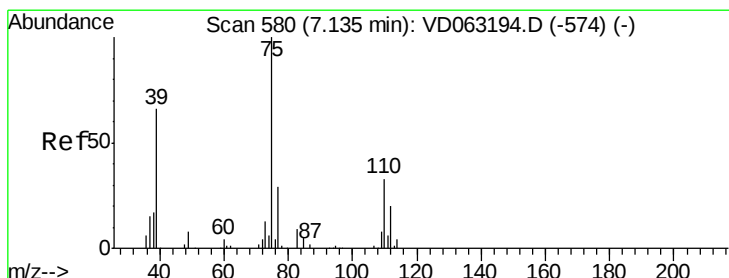
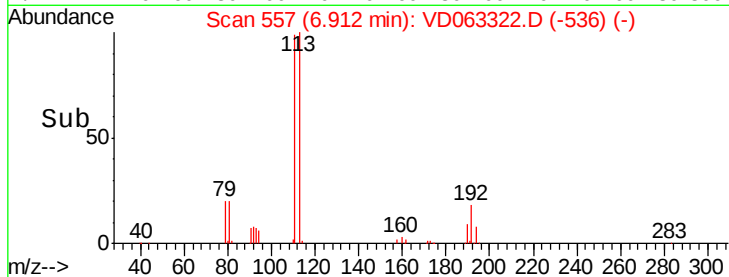
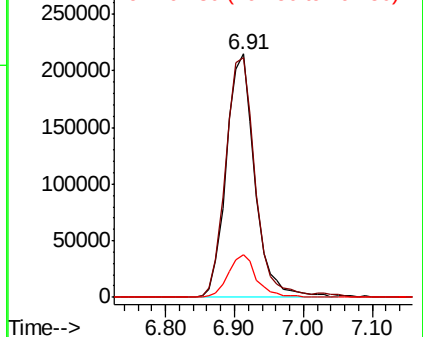
113 100

111 98.6 83.2 124.8

192 17.7 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: 6.079 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

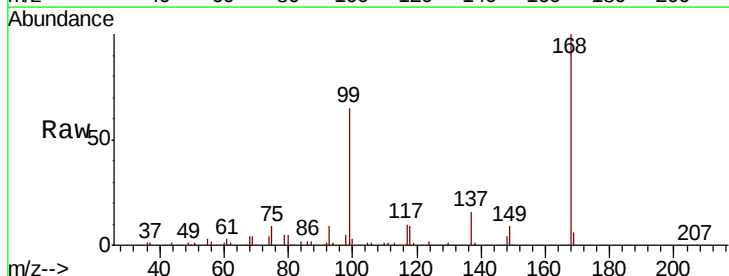
Tgt Ion: 75 Resp: 87964

Ion Ratio Lower Upper

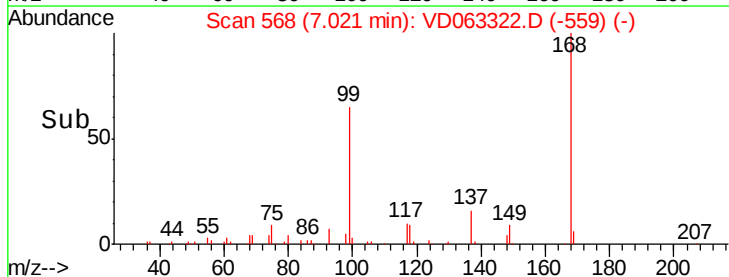
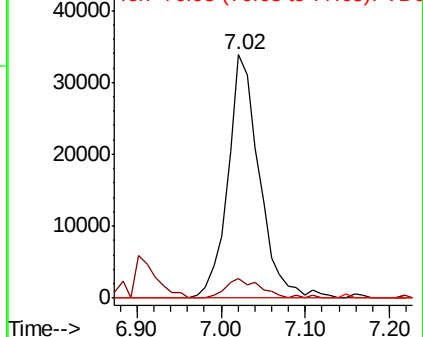
75 100

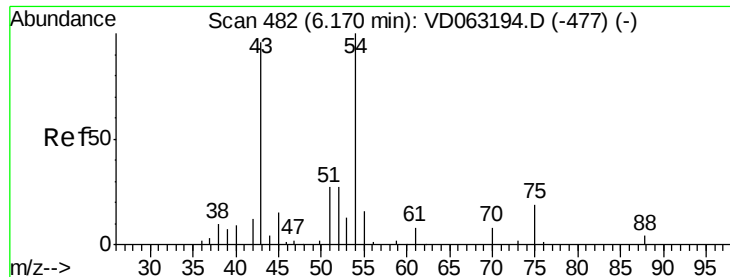
110 8.3 16.1 48.2#

77 0.0 22.7 34.1#



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

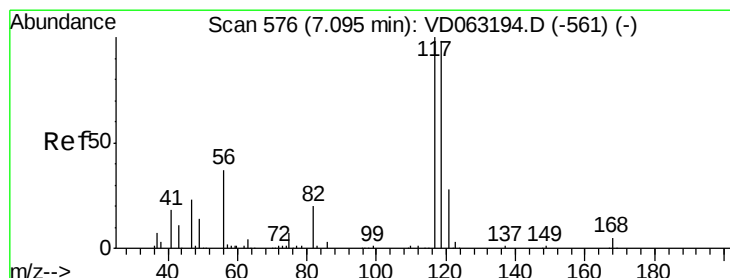
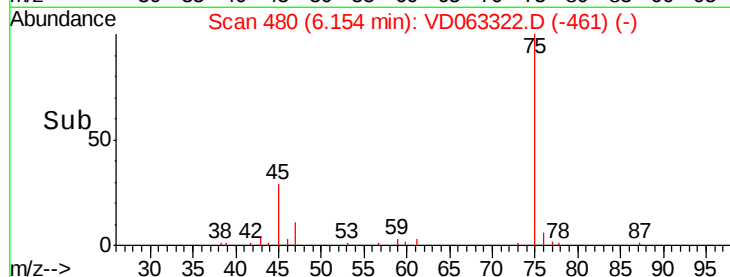
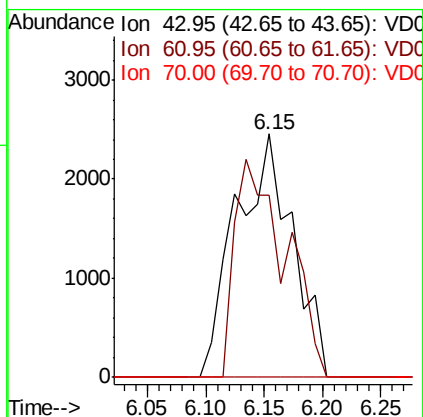
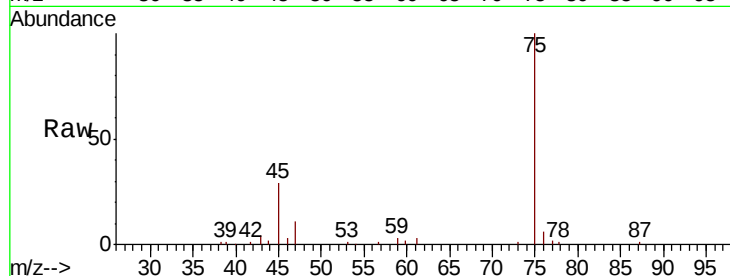




#37
Ethyl Acetate
Concen: 1.275 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.02 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

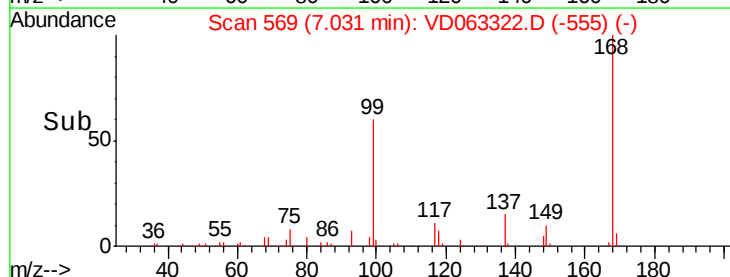
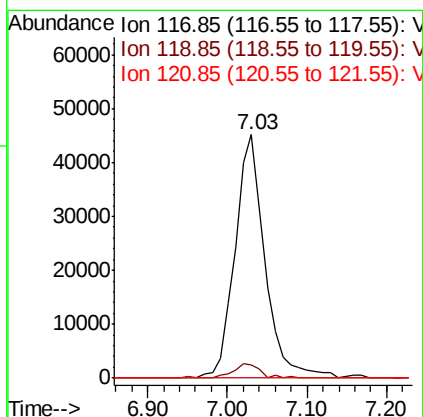
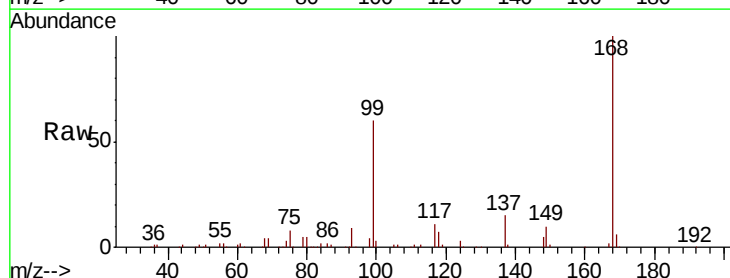
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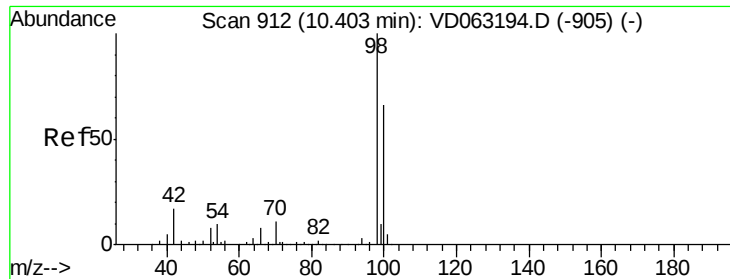
Tgt Ion: 43 Resp: 8289
Ion Ratio Lower Upper
43 100
61 75.0 11.3 16.9#
70 0.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

Tgt Ion: 117 Resp: 117503
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 22.1 33.1#

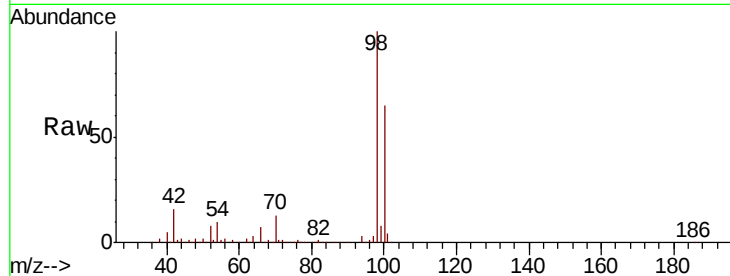




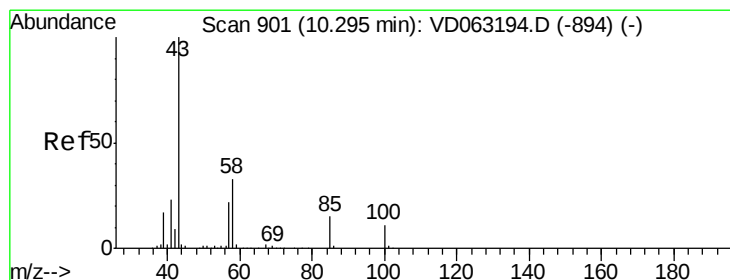
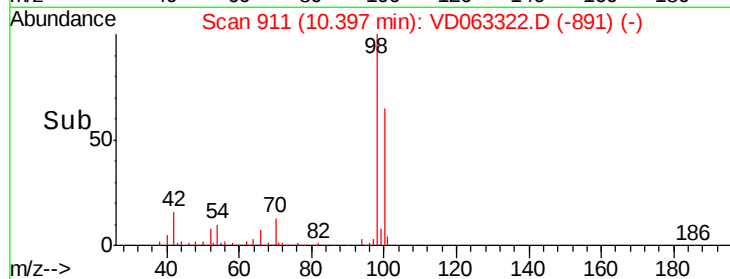
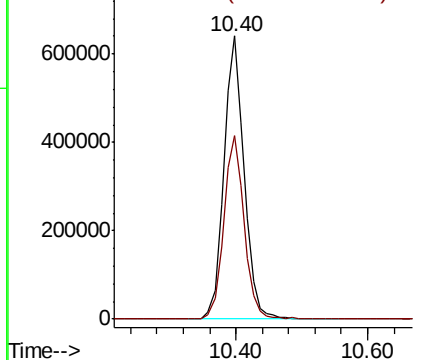
#50
Toluene-d8
Concen: 45.178 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
1S-F2-(0-1)

Tgt Ion: 98 Resp: 1368820
Ion Ratio Lower Upper
98 100
100 64.9 53.2 79.8

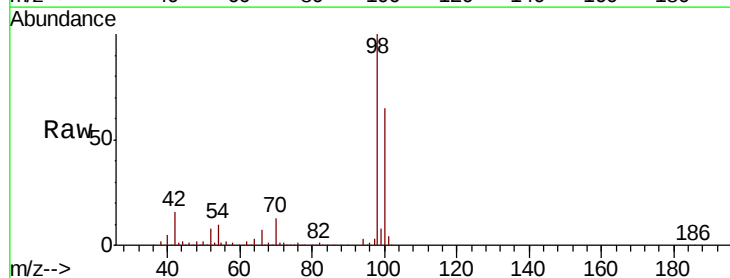


Abundance Ion 98.05 (97.75 to 98.75): VD063322.D (-891) (-)
Ion 100.05 (99.75 to 100.75): VD063322.D (-891) (-)

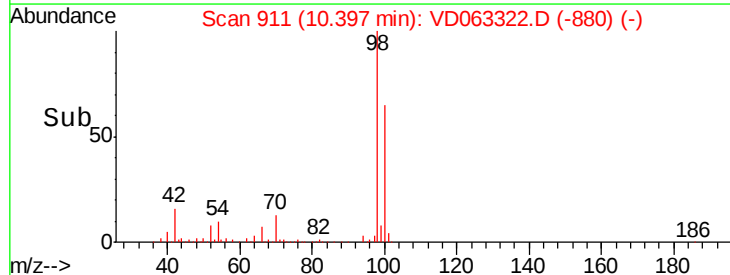
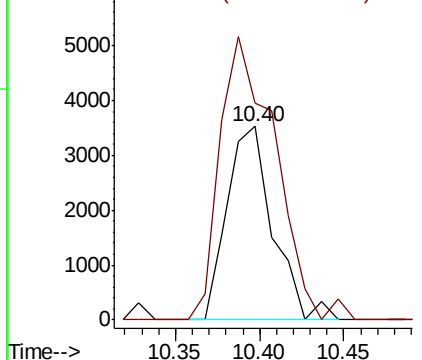


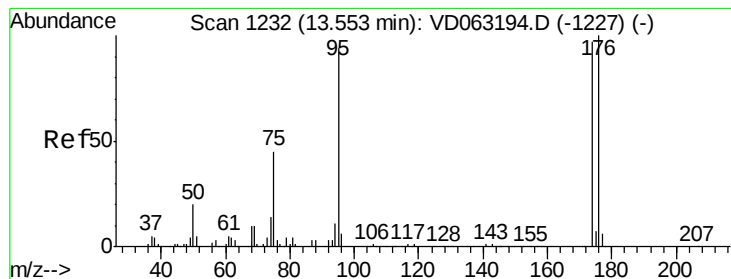
#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD063322.D
Acq: 2 Aug 2019 17:44

Tgt Ion: 43 Resp: 6640
Ion Ratio Lower Upper
43 100
58 112.2 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VD063322.D (-880) (-)
Ion 57.95 (57.65 to 58.65): VD063322.D (-880) (-)





#62

4-Bromofluorobenzene

Concen: 37.623 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

1S-F2-(0-1)

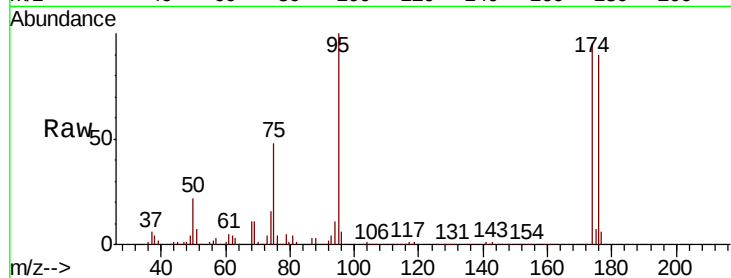
Tgt Ion: 95 Resp: 519450

Ion Ratio Lower Upper

95 100

174 94.5 0.0 205.4

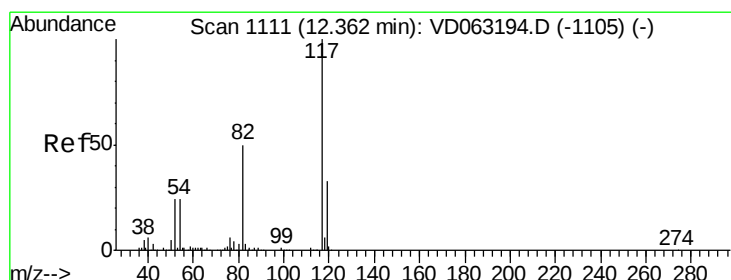
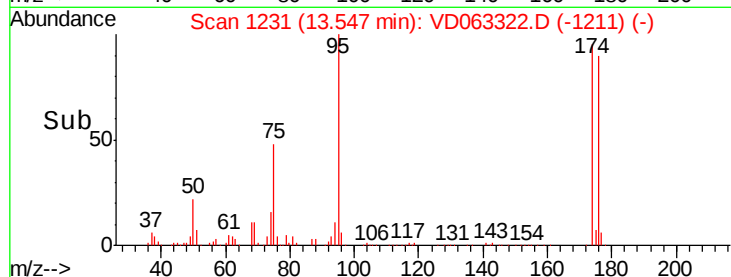
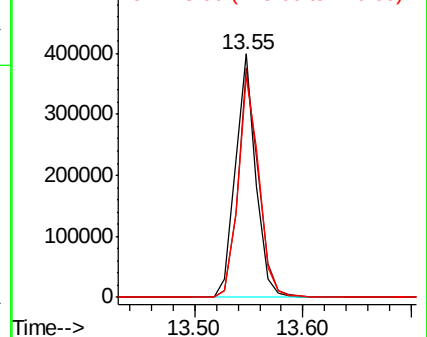
176 90.5 0.0 211.8



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# 1110

Delta R.T. -0.01 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

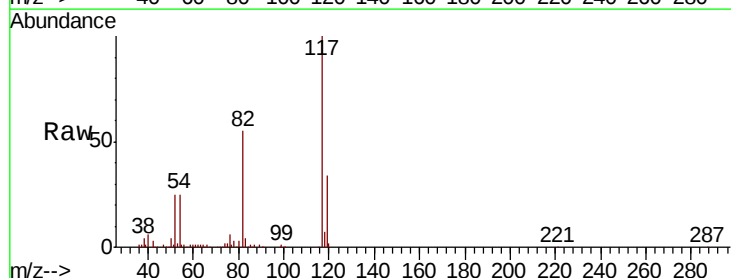
Tgt Ion: 117 Resp: 1275163

Ion Ratio Lower Upper

117 100

82 55.0 40.1 60.1

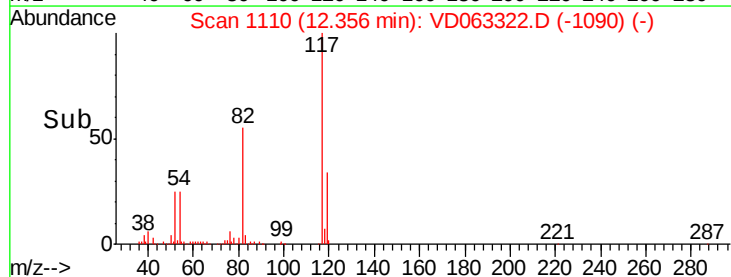
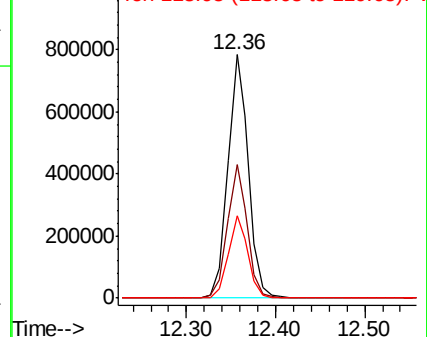
119 33.8 26.5 39.7

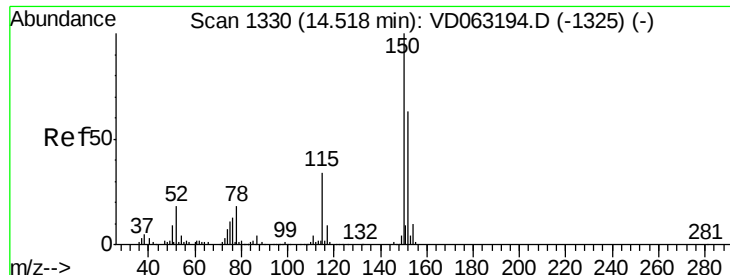


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063322.D

Acq: 2 Aug 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

1S-F2-(0-1)

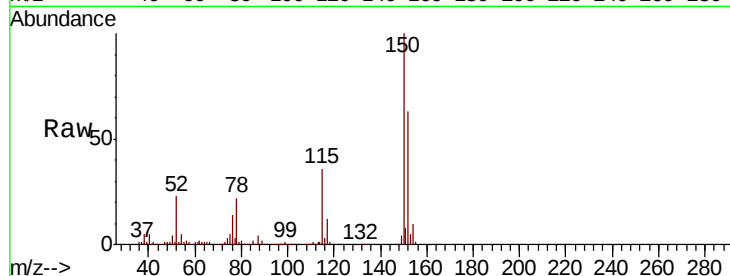
Tgt Ion:152 Resp: 592118

Ion Ratio Lower Upper

152 100

115 57.9 27.5 82.4

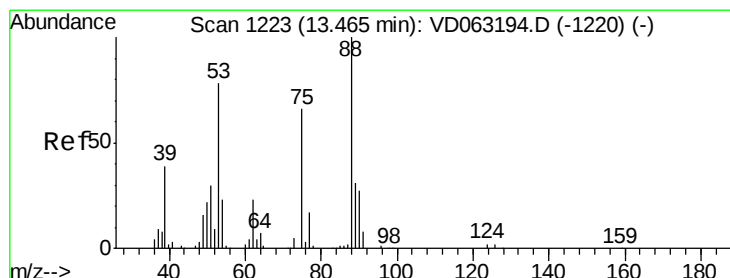
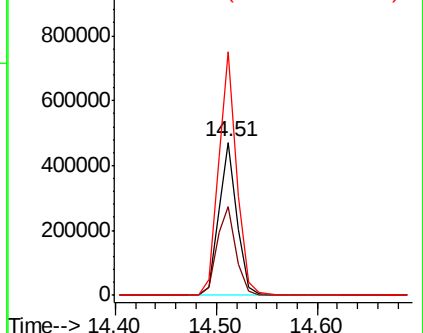
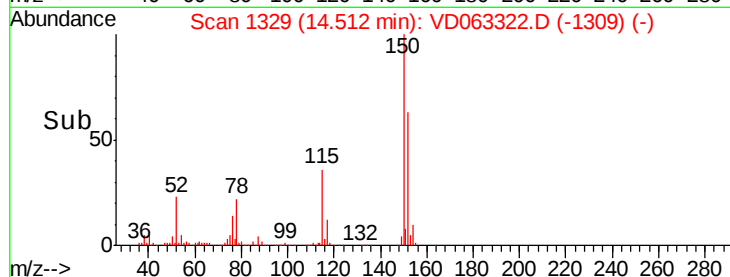
150 159.4 0.0 320.6



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: 124.692 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063322.D

Acq: 2 Aug 2019 17:44

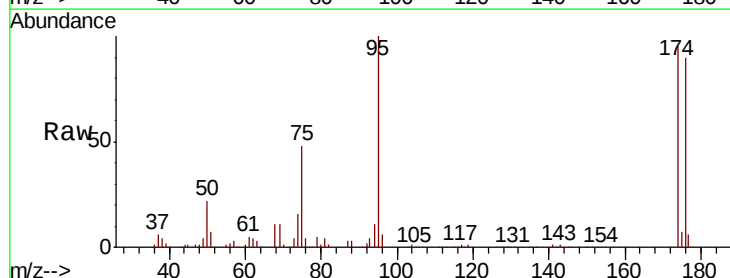
Tgt Ion: 75 Resp: 246253

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

