

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063424.D
 Acq On : 7 Aug 2019 17:24
 Operator : JC/SY
 Sample : K4219-03RE
 Misc : 6.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-BRE

Quant Time: Aug 08 08:06:47 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	7.06	168	798261	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1060170	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	943170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	461021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	464845	52.48	ug/l	0.02
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	6.93	113	518623	57.30	ug/l	0.02
Spiked Amount			Recovery	=	114.60%	
50) Toluene-d8	10.41	98	1088455	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	13.56	95	456886	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	

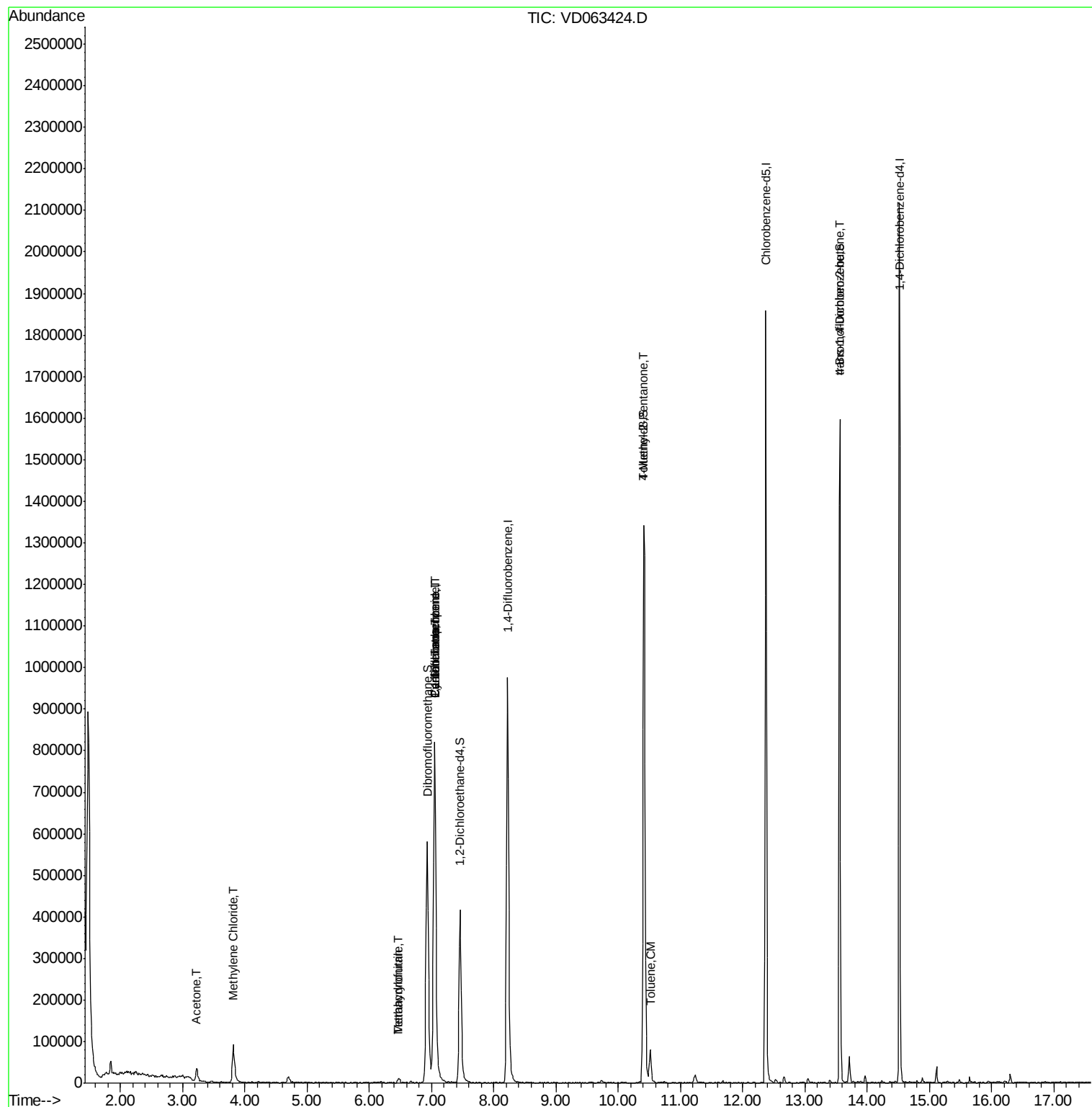
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	61788	35.803	ug/l	99
20) Methylene Chloride	3.83	84	54579	7.824	ug/l #	91
29) Tetrahydrofuran	6.47	42	6837	8.338	ug/l #	89
31) Cyclohexane	7.06	56	18053	2.288	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	63342	6.547	ug/l #	53
38) Carbon Tetrachloride	7.06	117	81548	5.599	ug/l #	16
41) Methacrylonitrile	6.46	41	5381	1.035	ug/l #	38
51) 4-Methyl-2-Pentanone	10.41	43	6687	1.771	ug/l #	1
52) Toluene	10.51	92	34969	2.593	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.55	75	210730	137.048	ug/l #	3

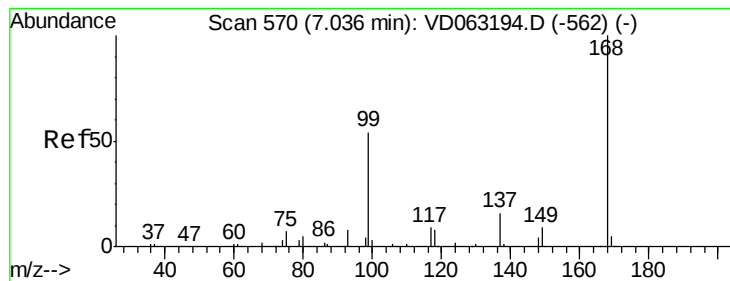
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
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Quant Time: Aug 08 08:06:47 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: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

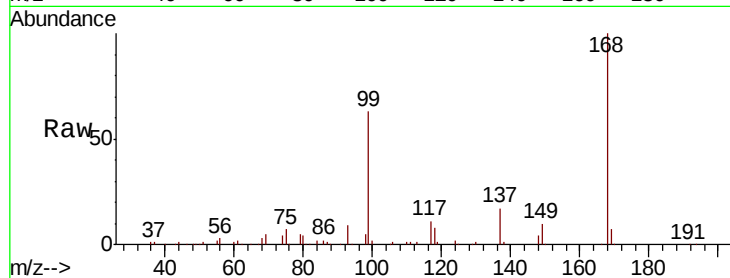
TP-BRE

Tgt Ion:168 Resp: 798261

Ion Ratio Lower Upper

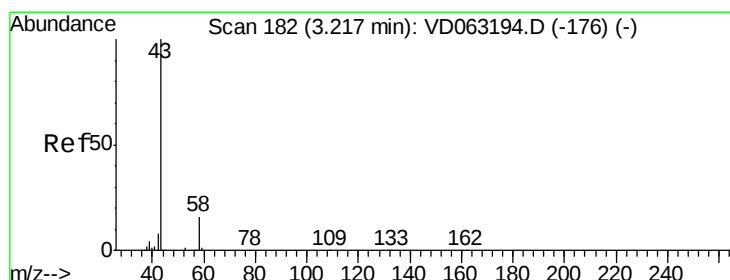
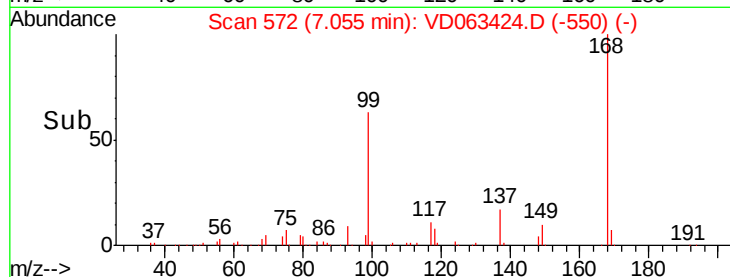
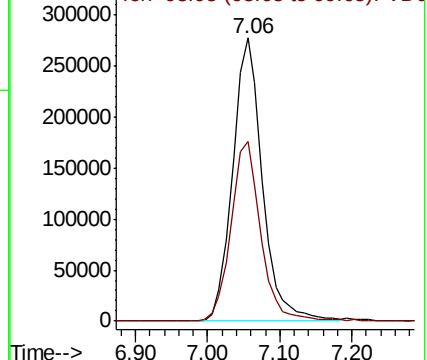
168 100

99 63.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 35.803 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063424.D

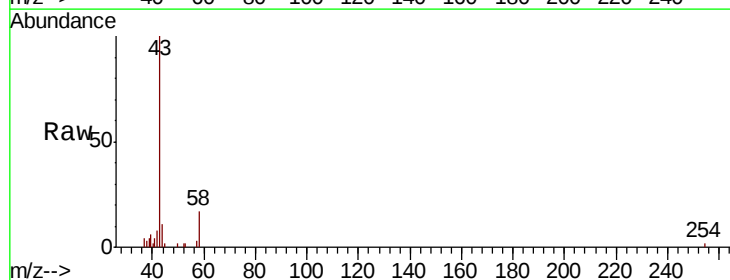
Acq: 7 Aug 2019 17:24

Tgt Ion: 43 Resp: 61788

Ion Ratio Lower Upper

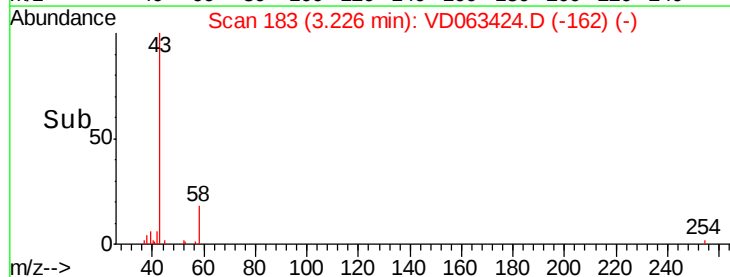
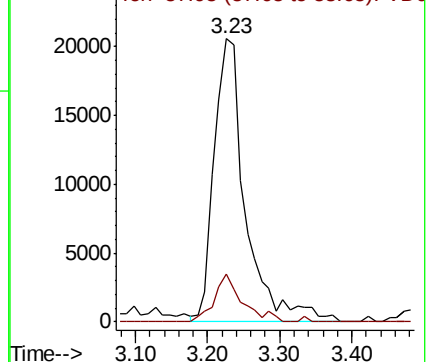
43 100

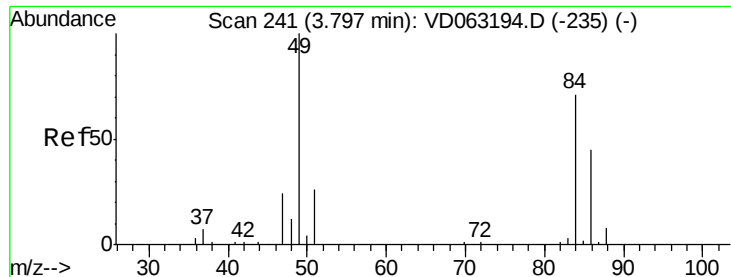
58 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

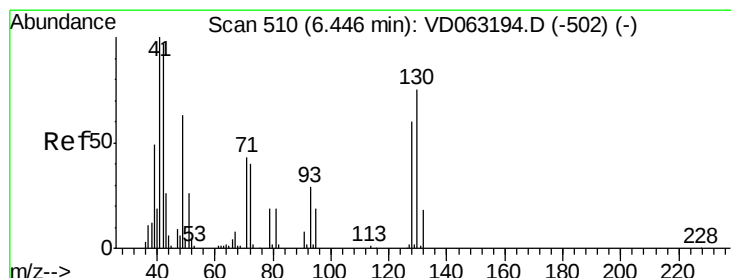
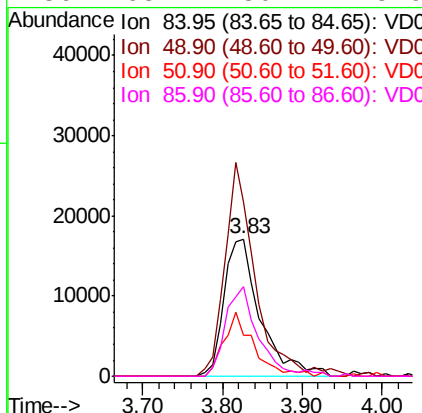
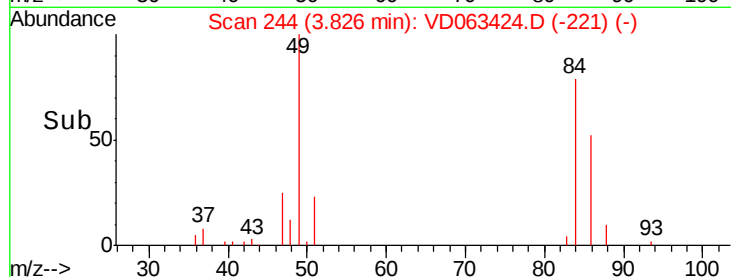
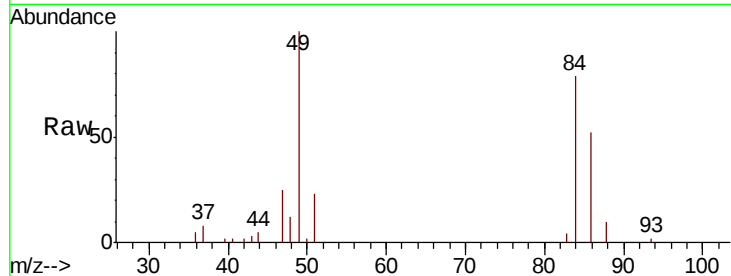




#20
Methylene Chloride
Concen: 7.824 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063424.D
Acq: 7 Aug 2019 17:24

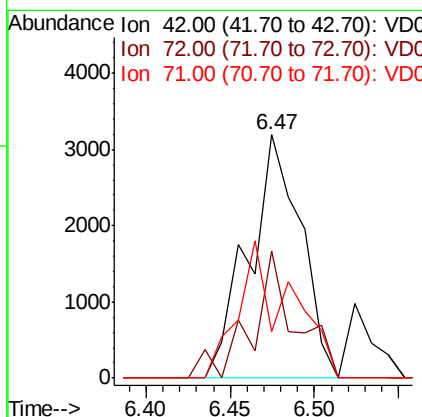
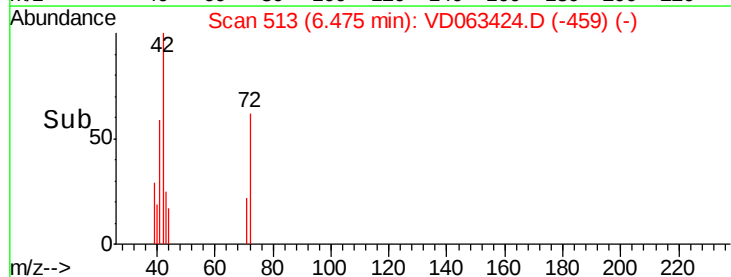
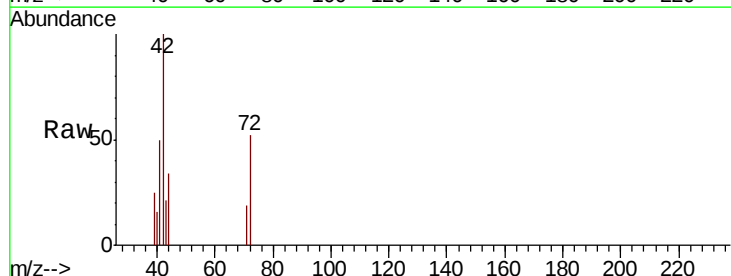
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

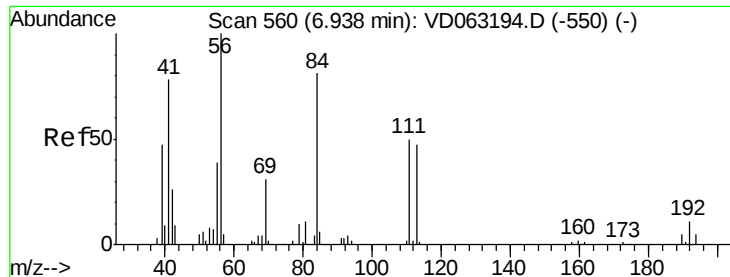
Tgt Ion: 84 Resp: 54579
Ion Ratio Lower Upper
84 100
49 126.9 112.5 168.7
51 29.4 29.6 44.4#
86 65.4 50.4 75.6



#29
Tetrahydrofuran
Concen: 8.338 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063424.D
Acq: 7 Aug 2019 17:24

Tgt Ion: 42 Resp: 6837
Ion Ratio Lower Upper
42 100
72 43.8 33.4 50.2
71 56.0 35.7 53.5#

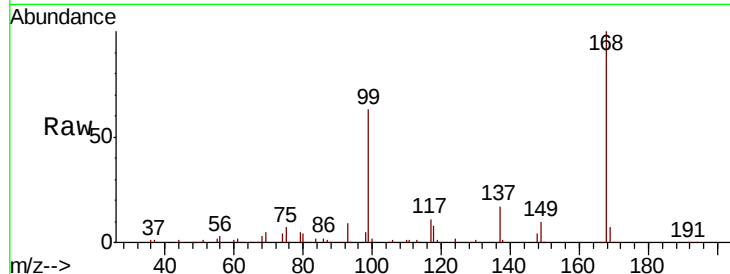




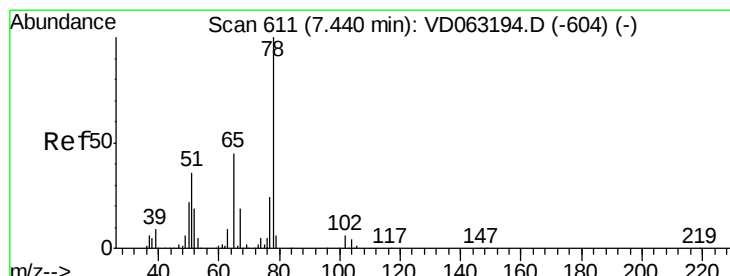
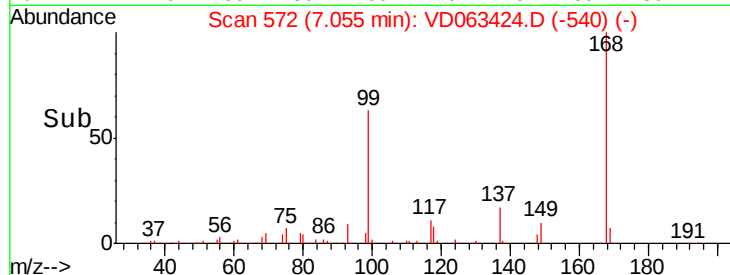
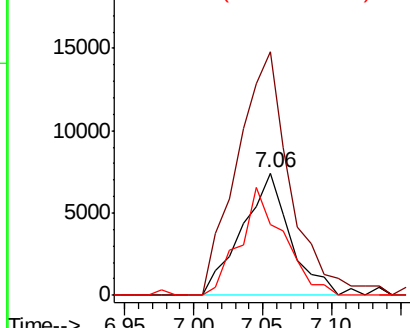
#31
Cyclohexane
Concen: 2.288 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD063424.D
Acq: 7 Aug 2019 17:24

Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

Tgt Ion: 56 Resp: 18053
Ion Ratio Lower Upper
56 100
69 199.3 24.5 36.7#
84 57.7 64.9 97.3#

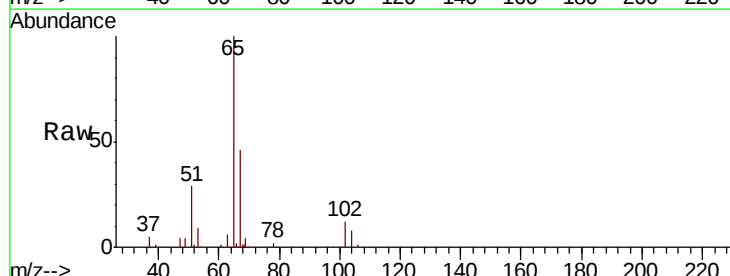


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

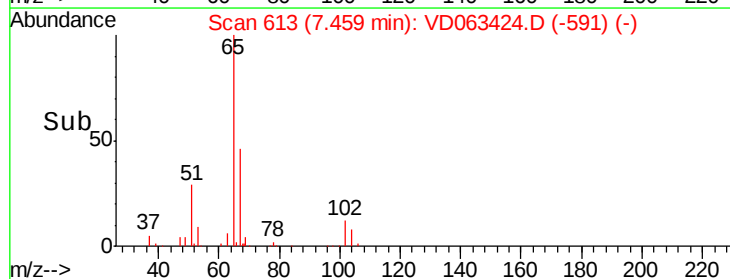
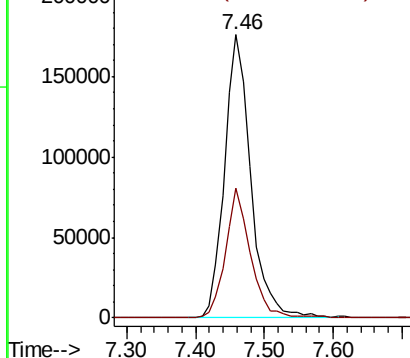


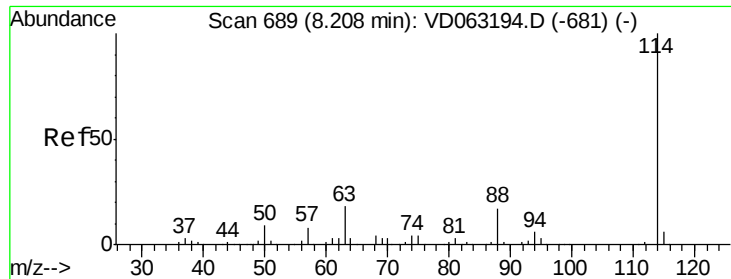
#33
1,2-Dichloroethane-d4
Concen: 52.481 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063424.D
Acq: 7 Aug 2019 17:24

Tgt Ion: 65 Resp: 464845
Ion Ratio Lower Upper
65 100
67 45.8 0.0 85.8



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

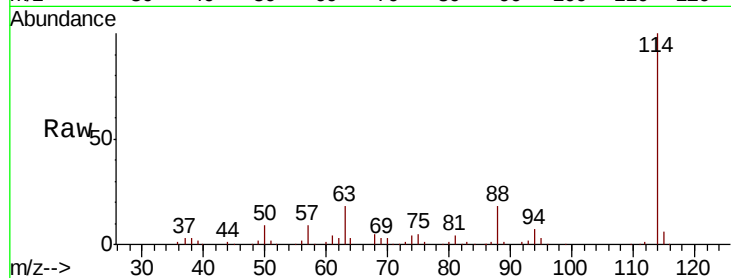




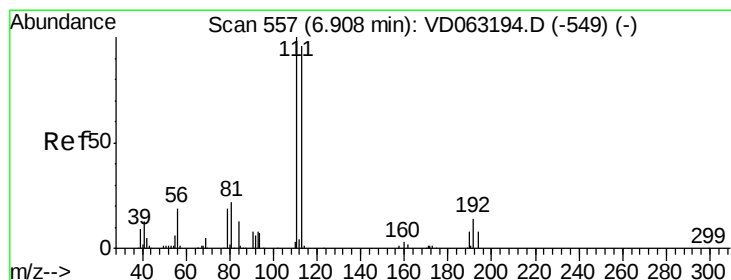
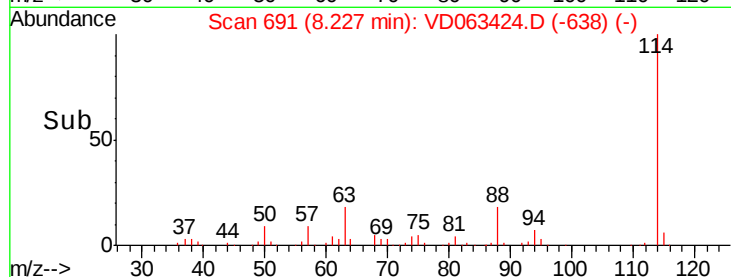
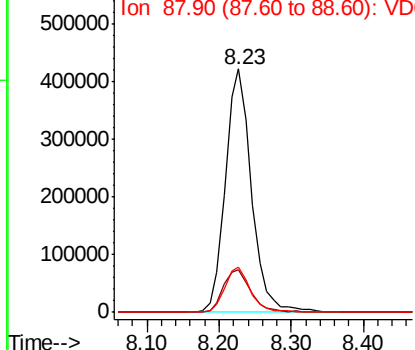
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063424.D
 Acq: 7 Aug 2019 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-BRE

Tgt Ion:114 Resp: 1060170
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 18.4 0.0 34.6

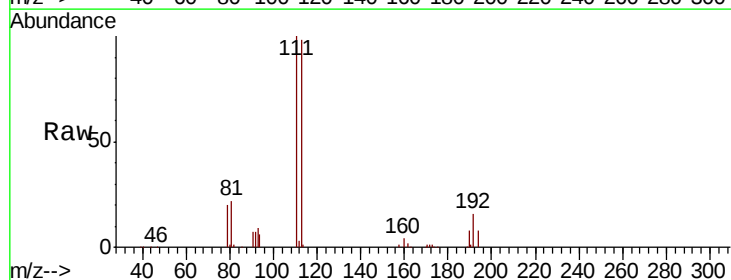


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

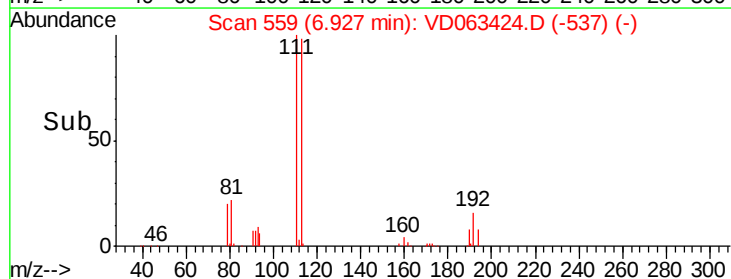
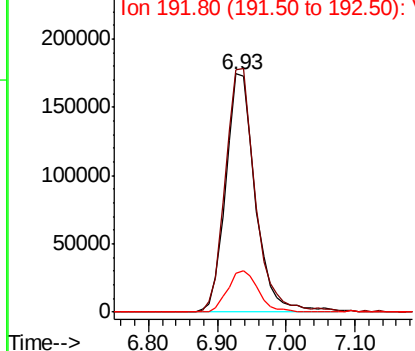


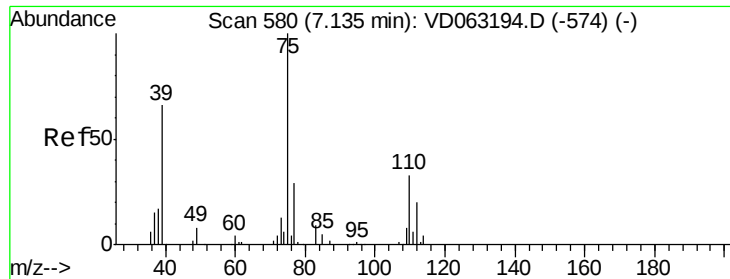
#35
 Dibromofluoromethane
 Concen: 57.296 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063424.D
 Acq: 7 Aug 2019 17:24

Tgt Ion:113 Resp: 518623
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 16.4 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

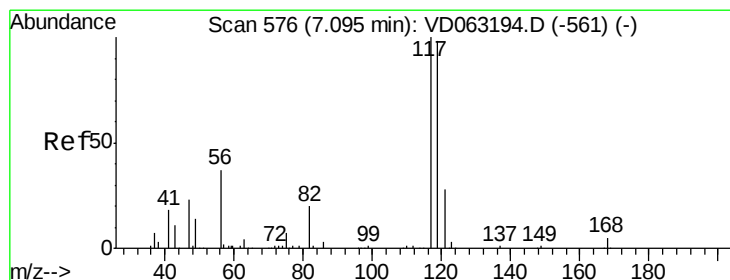
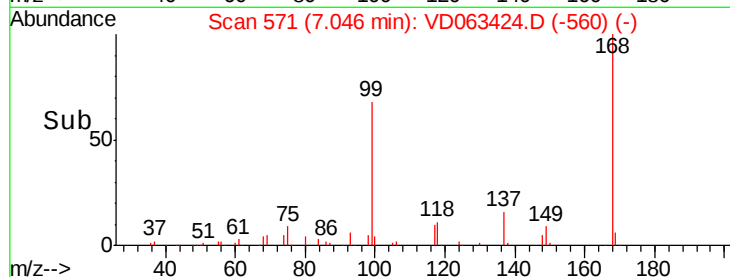
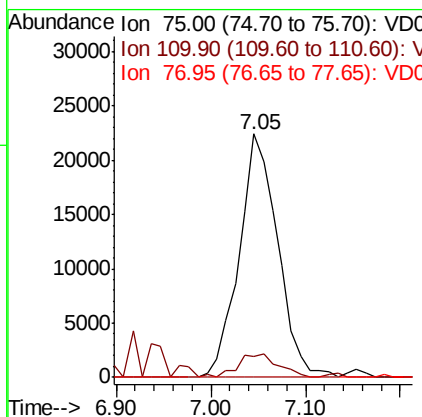
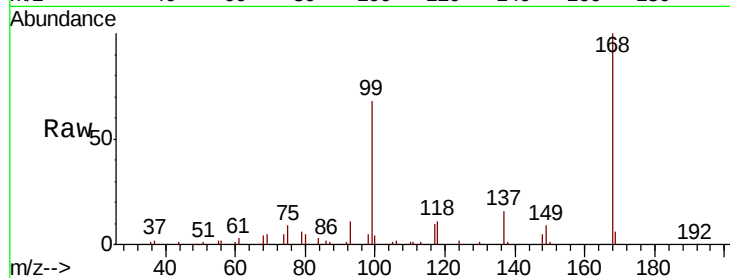




#36
 1,1-Dichloropropene
 Concen: 6.547 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063424.D
 Acq: 7 Aug 2019 17:24

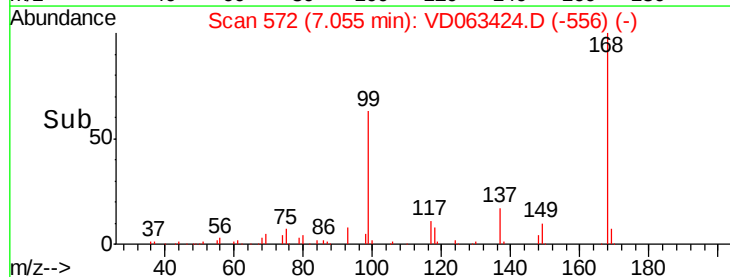
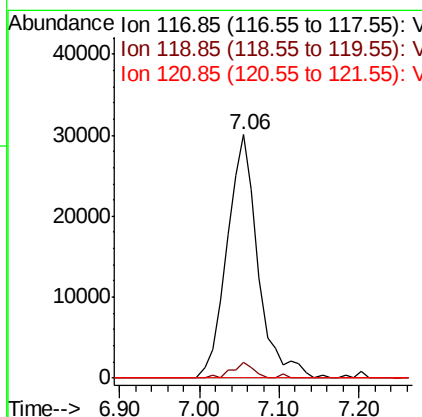
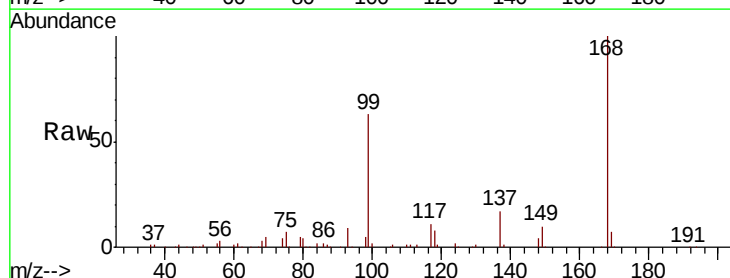
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-BRE

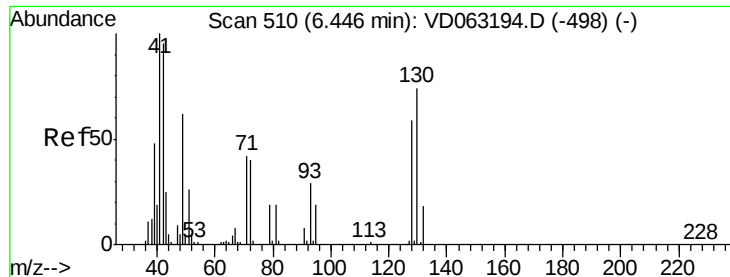
Tgt Ion: 75 Resp: 63342
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 5.599 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD063424.D
 Acq: 7 Aug 2019 17:24

Tgt Ion: 117 Resp: 81548
 Ion Ratio Lower Upper
 117 100
 119 6.4 78.2 117.2#
 121 0.0 22.1 33.1#





#41

Methacrylonitrile

Concen: 1.035 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-BRE

Tgt Ion: 41 Resp: 5381

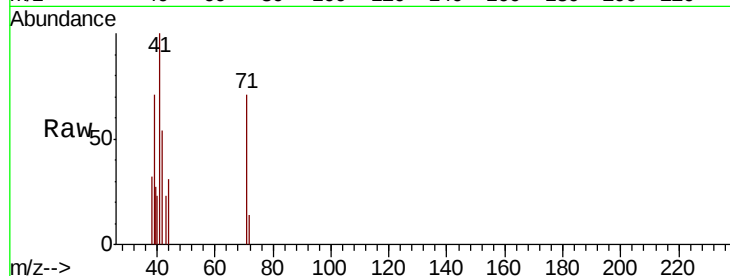
Ion Ratio Lower Upper

41 100

39 98.3 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

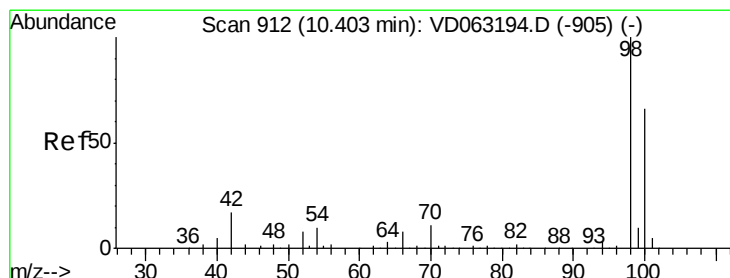
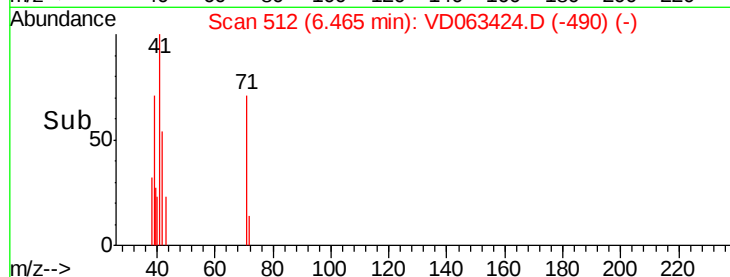
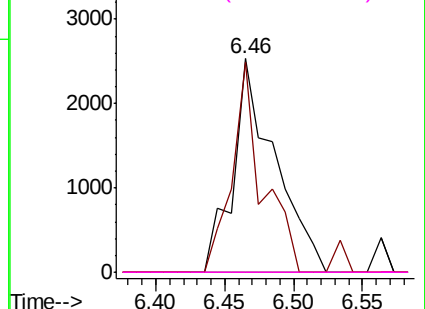


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 53.731 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063424.D

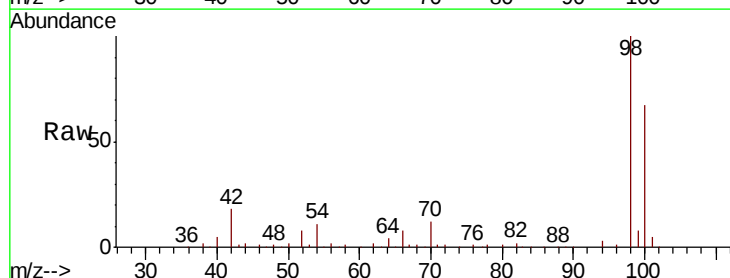
Acq: 7 Aug 2019 17:24

Tgt Ion: 98 Resp: 1088455

Ion Ratio Lower Upper

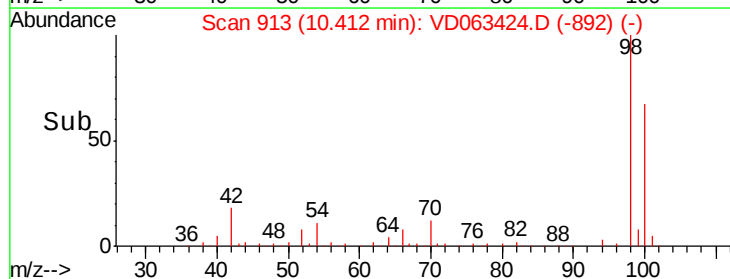
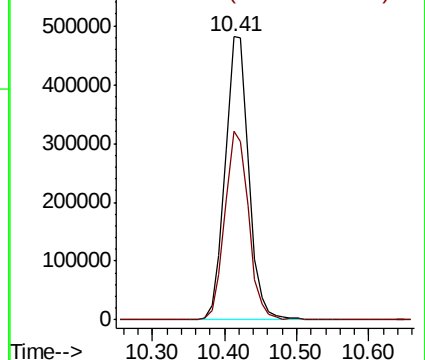
98 100

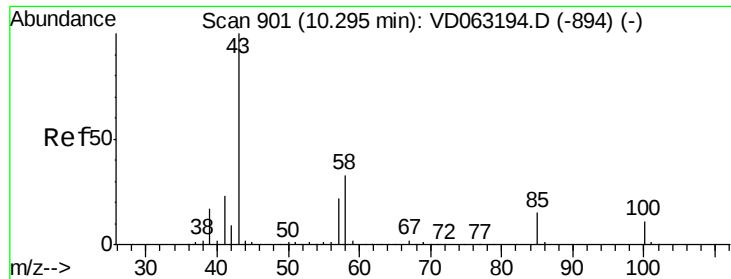
100 66.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.771 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.12 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

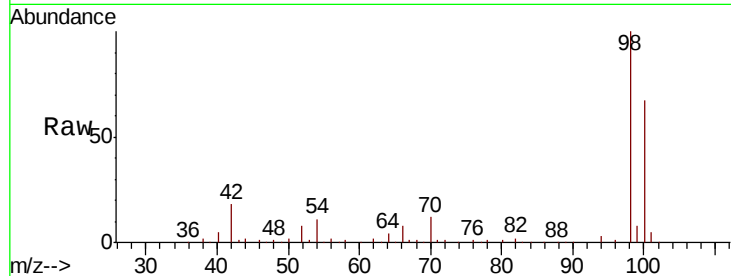
TP-BRE

Tgt Ion: 43 Resp: 6687

Ion Ratio Lower Upper

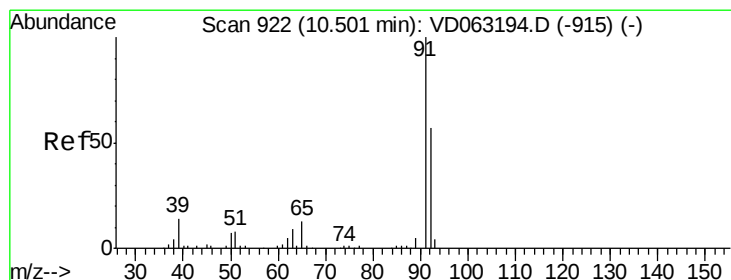
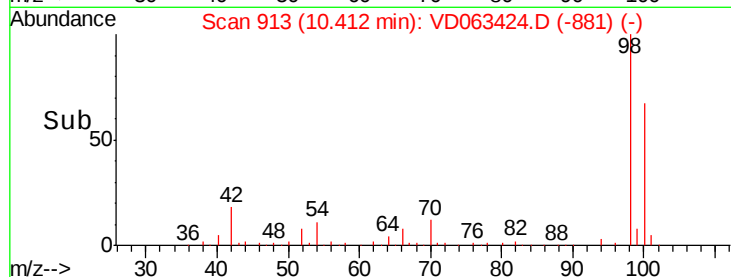
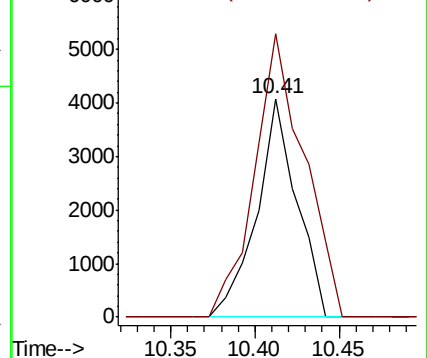
43 100

58 129.7 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 2.593 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063424.D

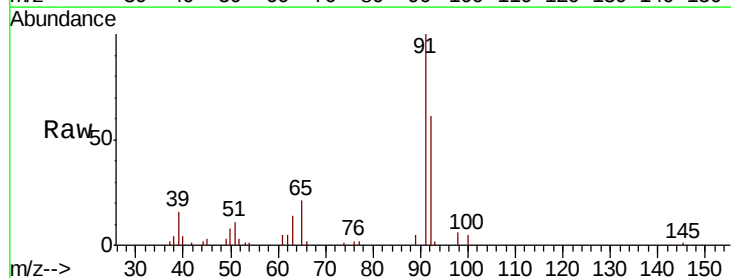
Acq: 7 Aug 2019 17:24

Tgt Ion: 92 Resp: 34969

Ion Ratio Lower Upper

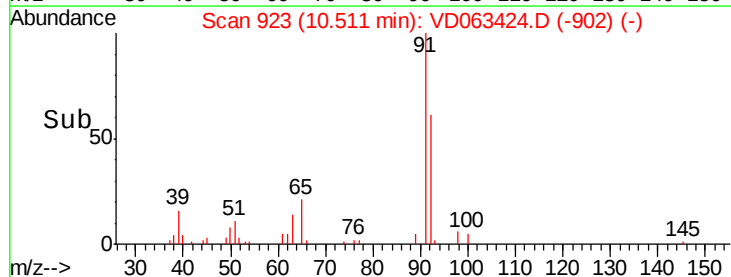
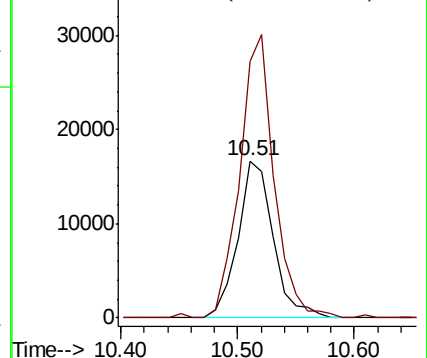
92 100

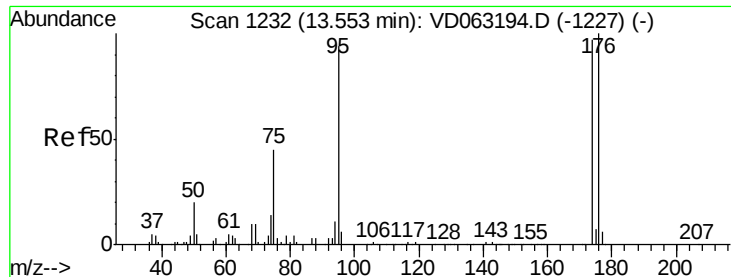
91 162.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.494 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-BRE

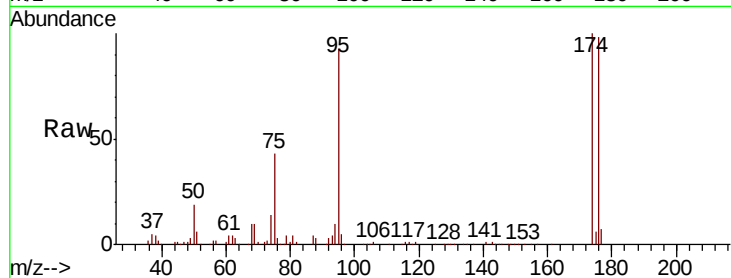
Tgt Ion: 95 Resp: 456886

Ion Ratio Lower Upper

95 100

174 107.7 0.0 205.4

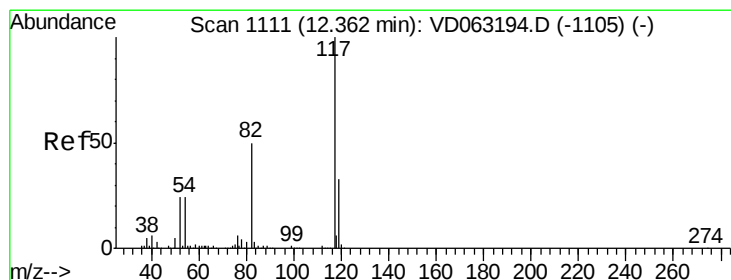
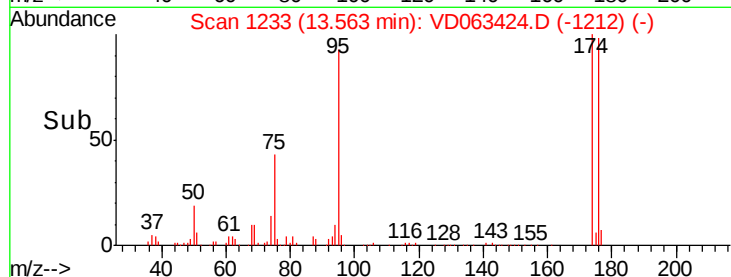
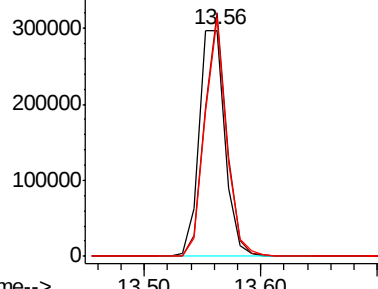
176 105.7 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

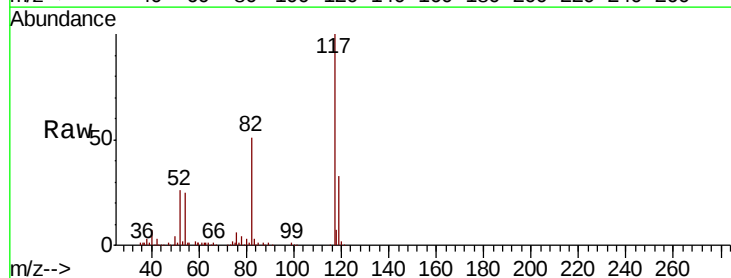
Tgt Ion: 117 Resp: 943170

Ion Ratio Lower Upper

117 100

82 51.5 40.1 60.1

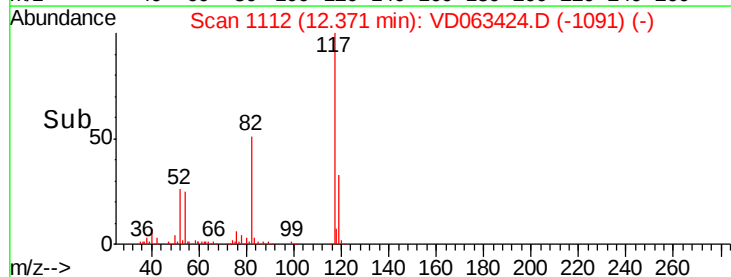
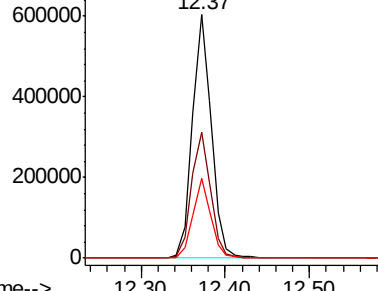
119 32.8 26.5 39.7

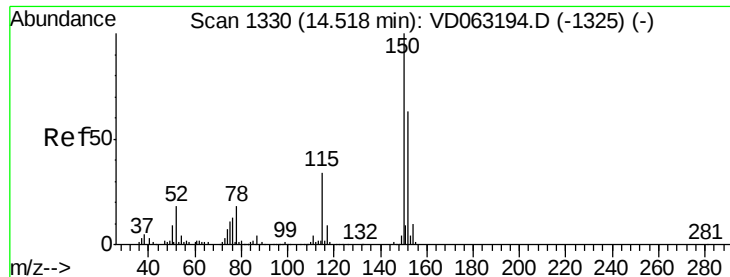


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-BRE

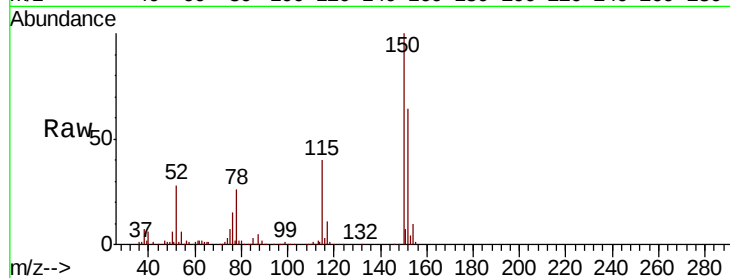
Tgt Ion:152 Resp: 461021

Ion Ratio Lower Upper

152 100

115 61.4 27.5 82.4

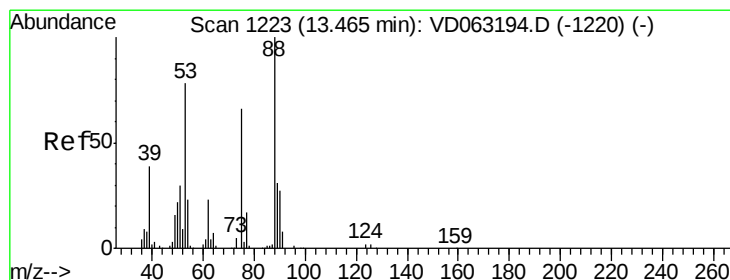
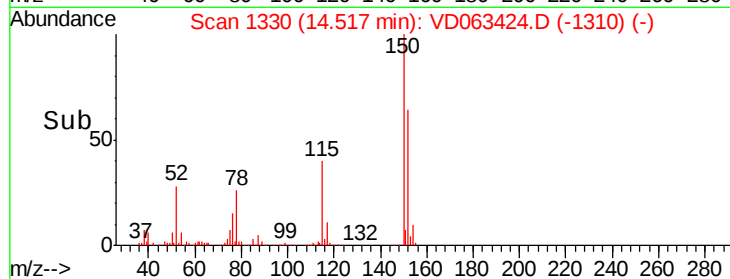
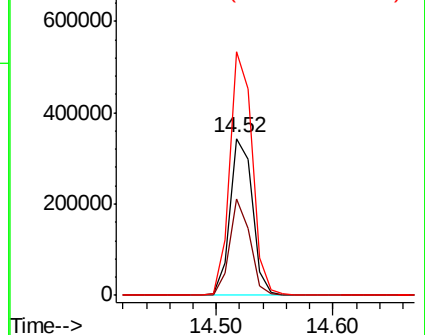
150 155.3 0.0 320.6



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: 137.048 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063424.D

Acq: 7 Aug 2019 17:24

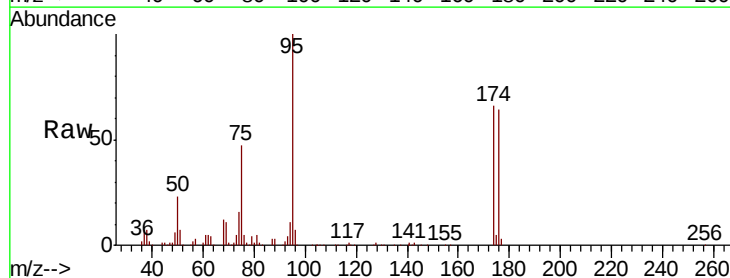
Tgt Ion: 75 Resp: 210730

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

