

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063008.D
 Acq On : 2 Jul 2019 17:55
 Operator : VA/AP
 Sample : K3602-02
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:57:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	967289	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1375522	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1089532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	567950	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	408173	38.82	ug/l	0.00
Spiked Amount			Recovery	=	77.64%	
35) Dibromofluoromethane	6.94	113	454033	39.15	ug/l	0.01
Spiked Amount			Recovery	=	78.30%	
50) Toluene-d8	10.42	98	945042	37.44	ug/l	0.00
Spiked Amount			Recovery	=	74.88%	
62) 4-Bromofluorobenzene	13.56	95	420753	36.66	ug/l	0.00
Spiked Amount			Recovery	=	73.32%	

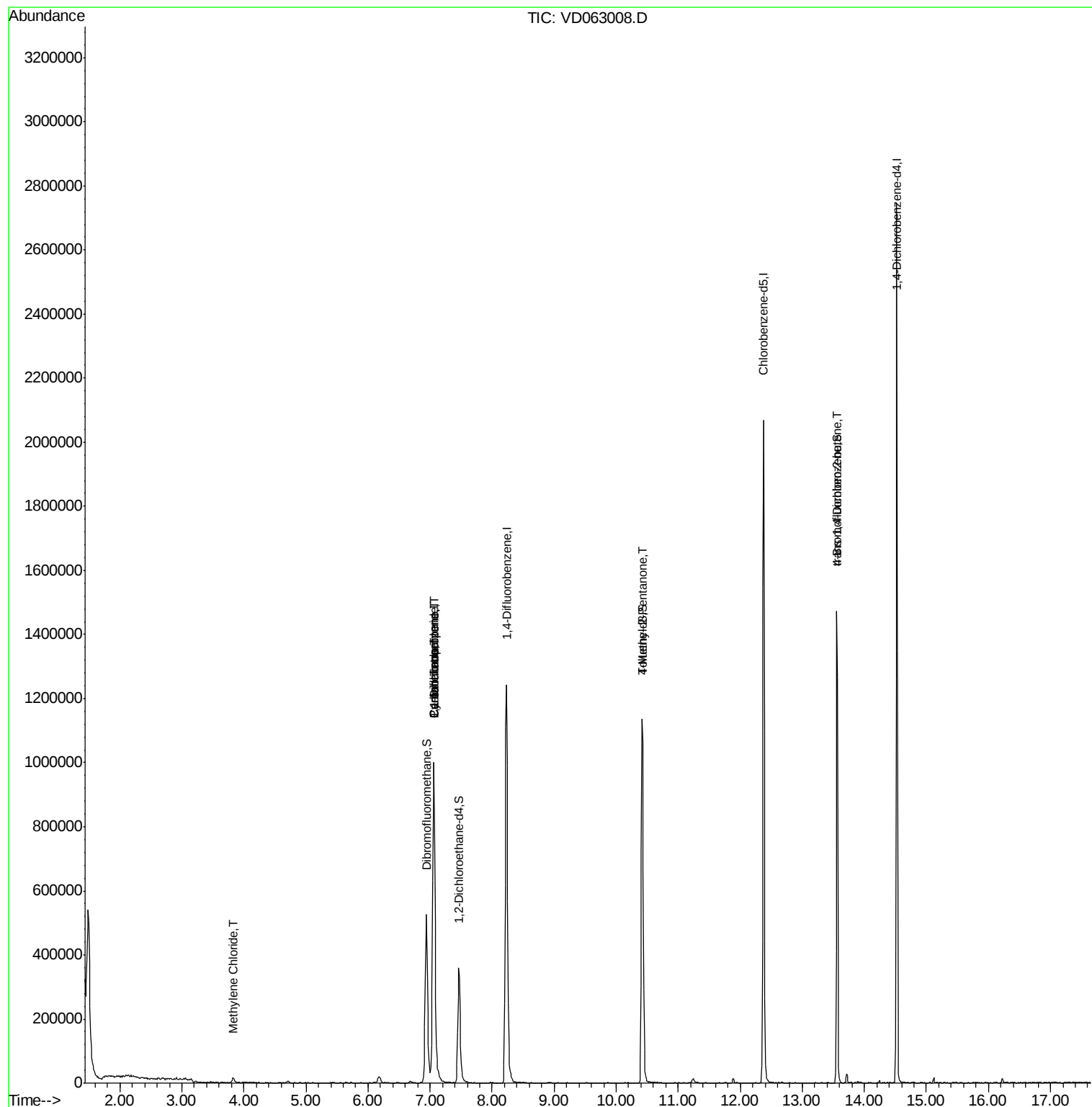
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	2185	Below Cal	#	64
20) Methylene Chloride	3.82	84	9636	1.202	ug/l #	92
31) Cyclohexane	7.05	56	22873	2.317	ug/l #	12
36) 1,1-Dichloropropene	7.05	75	74662	5.734	ug/l #	54
37) Ethyl Acetate	6.19	43	516	Below Cal	#	1
38) Carbon Tetrachloride	7.05	117	93585	4.779	ug/l #	17
51) 4-Methyl-2-Pentanone	10.43	43	6437	1.330	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	187451	109.086	ug/l #	2

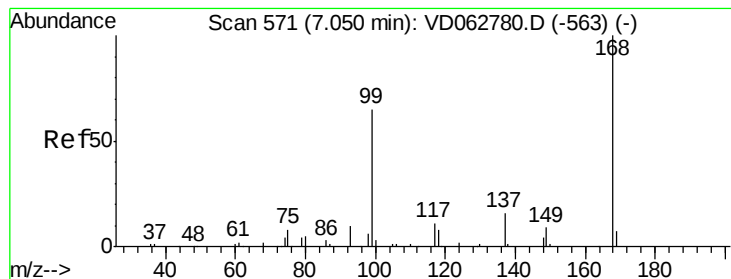
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

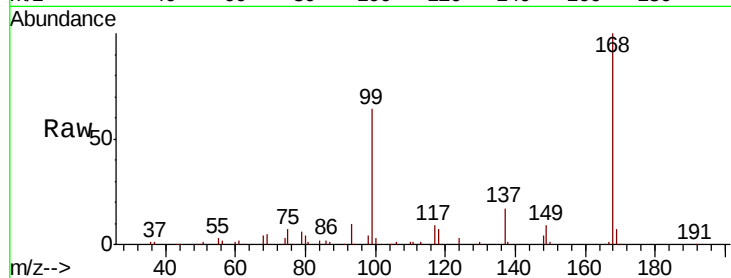
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 967289

Ion Ratio Lower Upper

168 100

99 64.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

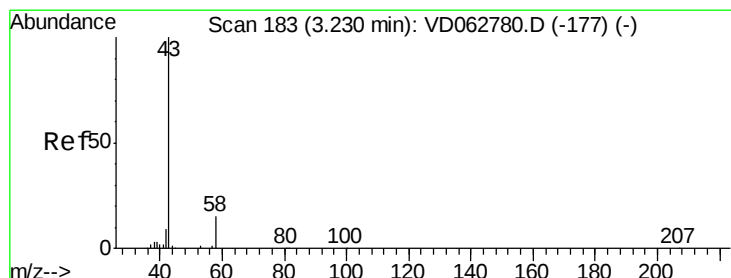
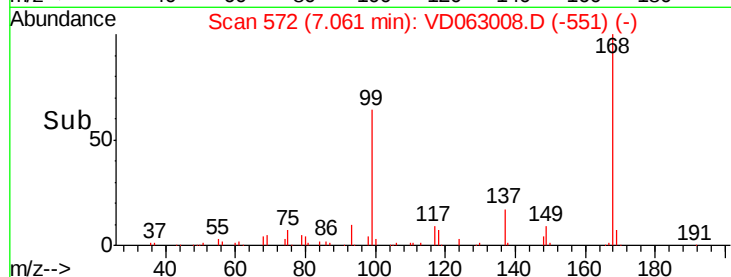
300000

200000

100000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063008.D

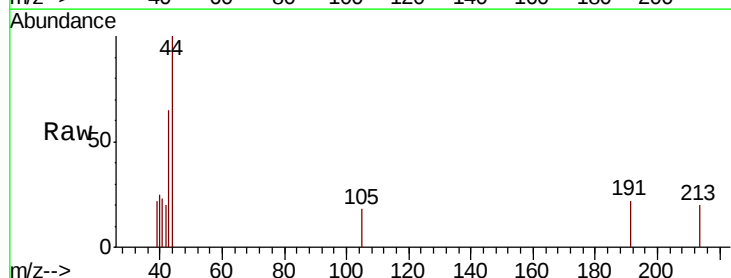
Acq: 2 Jul 2019 17:55

Tgt Ion: 43 Resp: 2185

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

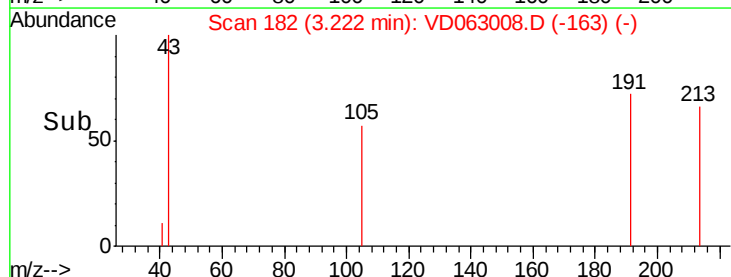
3.22

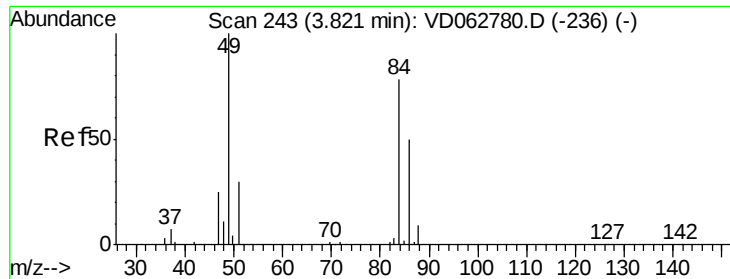
1000

500

0

Time-->

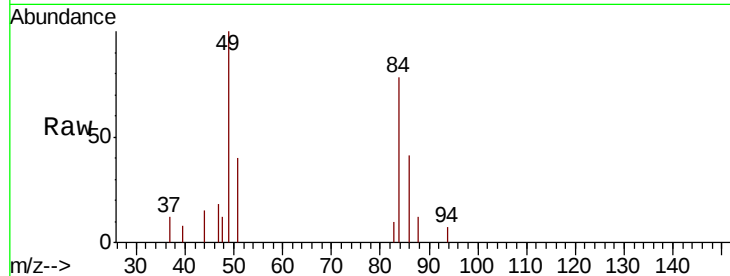




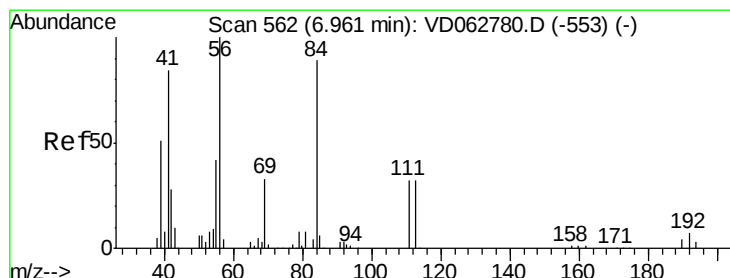
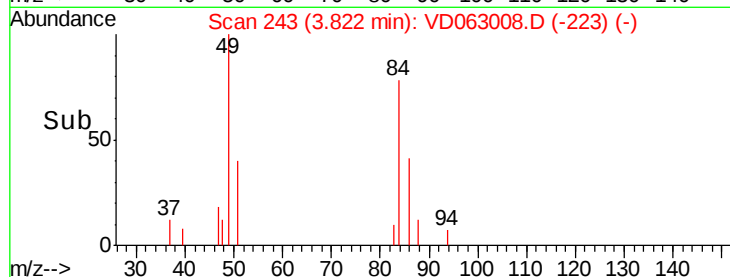
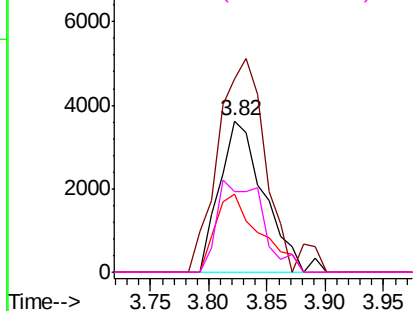
#20
Methvlene Chloride
Concen: 1.202 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 9636
Ion Ratio Lower Upper
84 100
49 128.0 102.9 154.3
51 51.4 31.2 46.8#
86 53.1 51.4 77.2

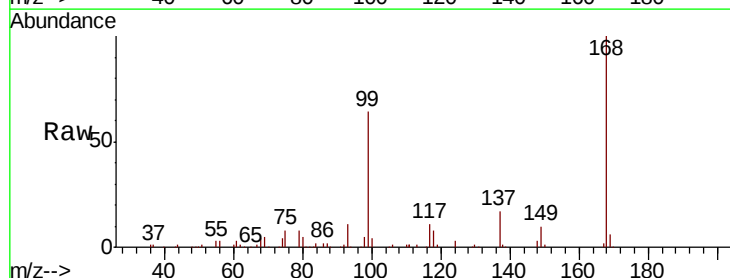


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

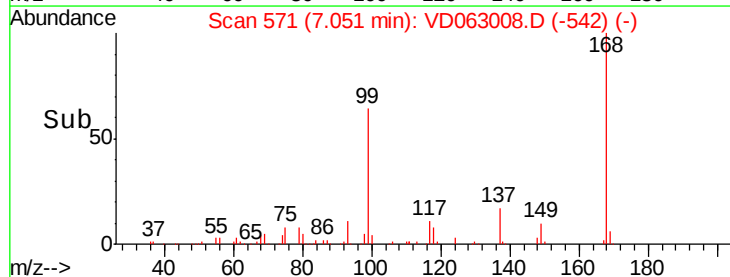
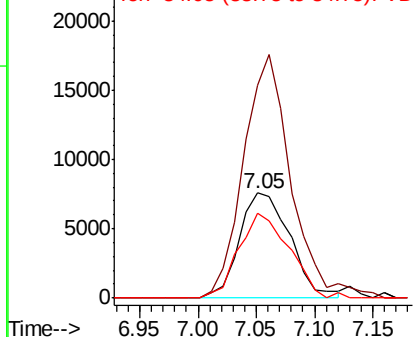


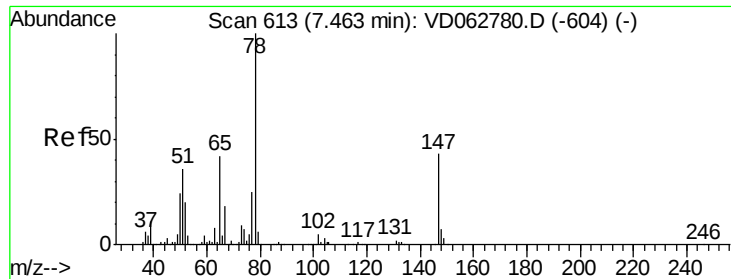
#31
Cyclohexane
Concen: 2.317 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Tgt Ion: 56 Resp: 22873
Ion Ratio Lower Upper
56 100
69 202.9 26.6 39.8#
84 81.4 75.5 113.3



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: 38.821 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

Instrument :

MSVOA_D

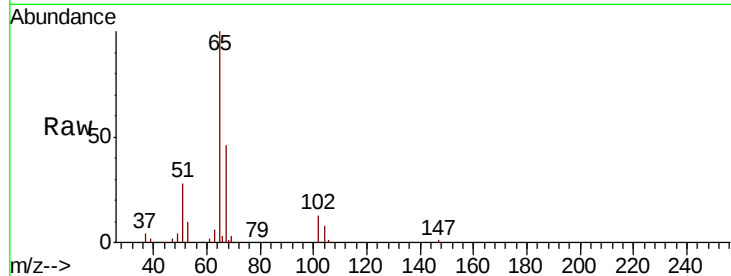
ClientSampleId :

Tot Ion: 65 Resp: 408173

Ion Ratio Lower Upper

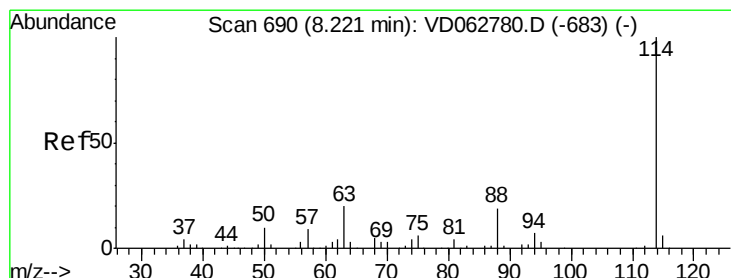
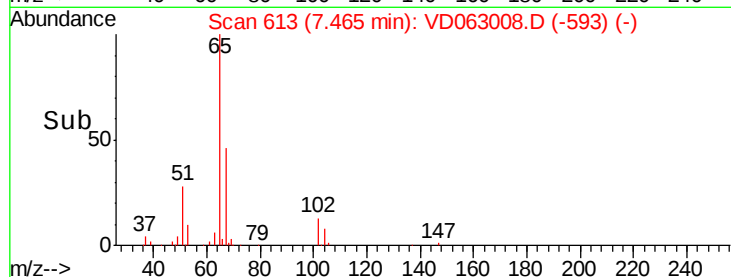
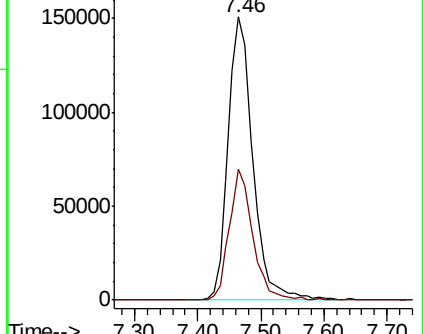
65 100

67 46.3 0.0 87.4



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. 0.01 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

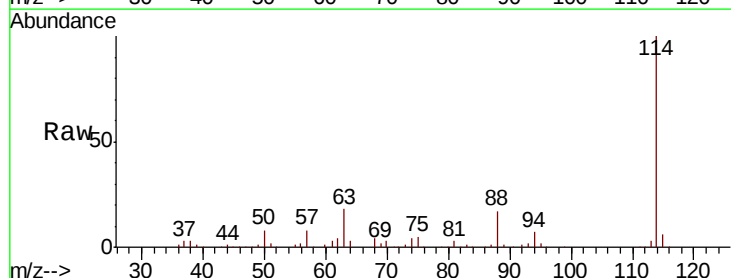
Tgt Ion: 114 Resp: 1375522

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

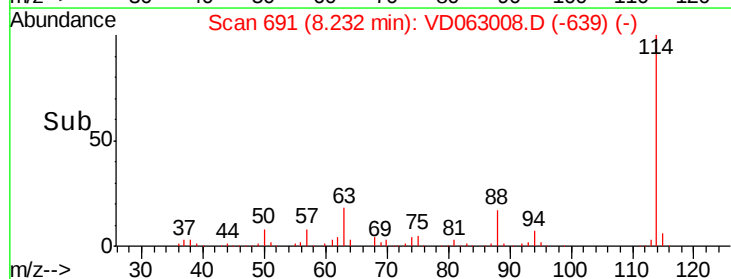
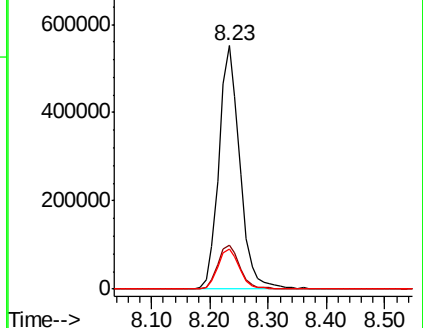
88 16.6 0.0 38.8

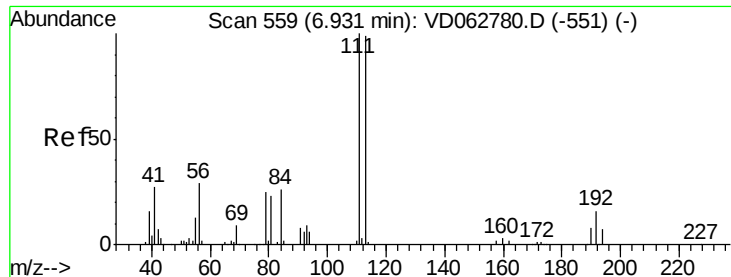


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 39.146 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

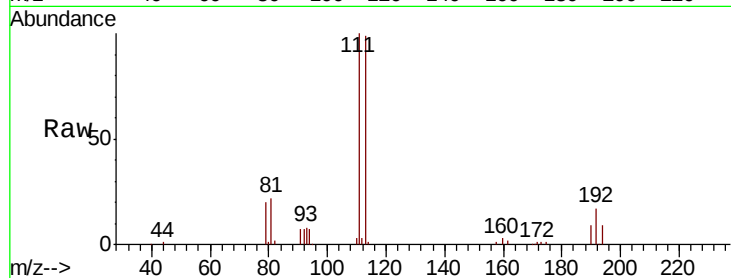
Tot Ion:113 Resp: 454033

Ion Ratio Lower Upper

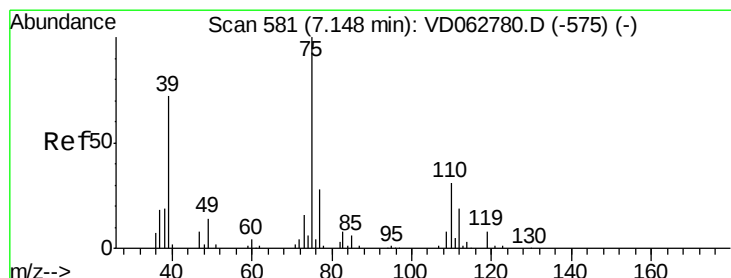
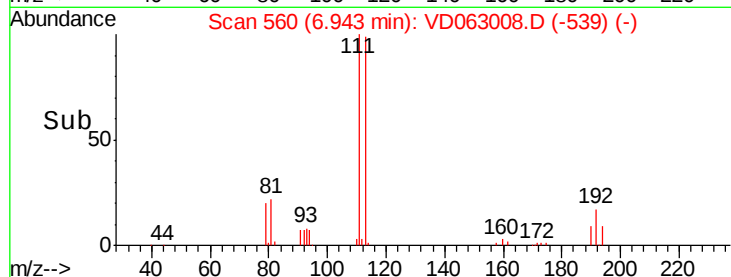
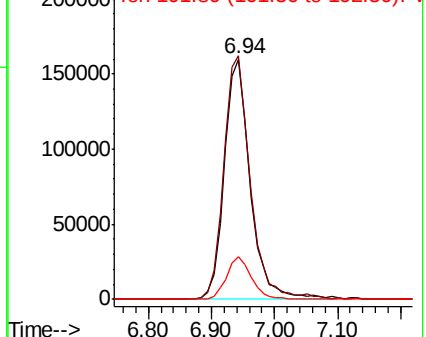
113 100

111 101.4 81.2 121.8

192 17.5 12.9 19.3



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: 5.734 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

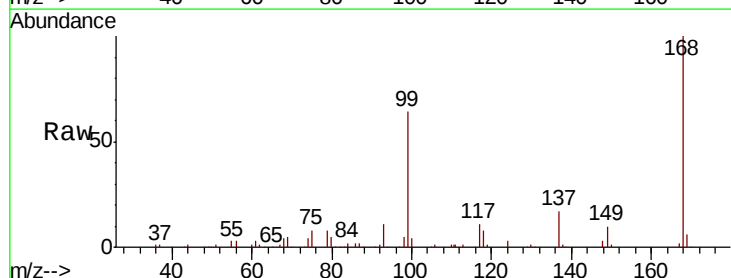
Tgt Ion: 75 Resp: 74662

Ion Ratio Lower Upper

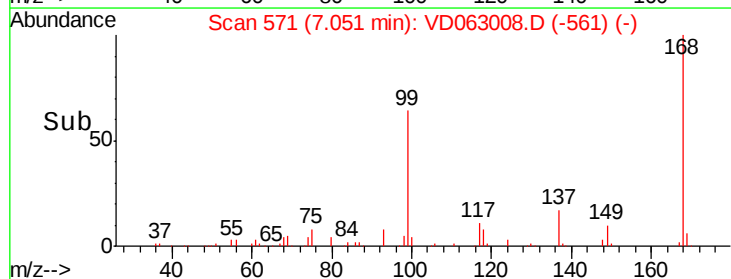
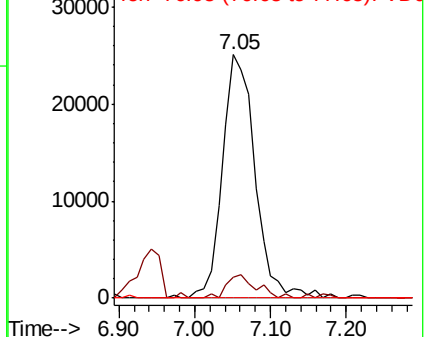
75 100

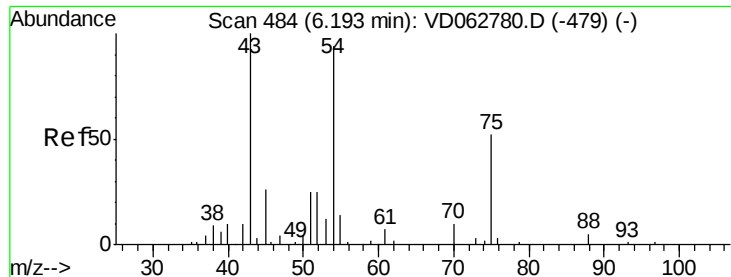
110 8.4 15.0 45.1#

77 0.0 22.2 33.2#



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

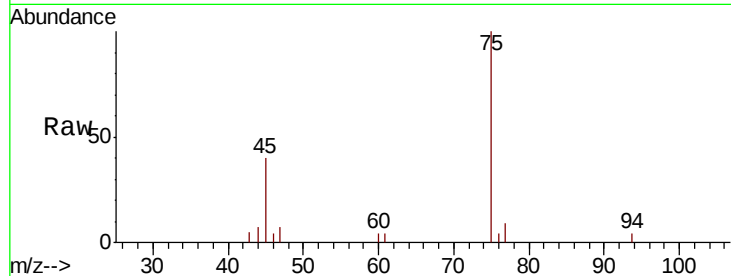




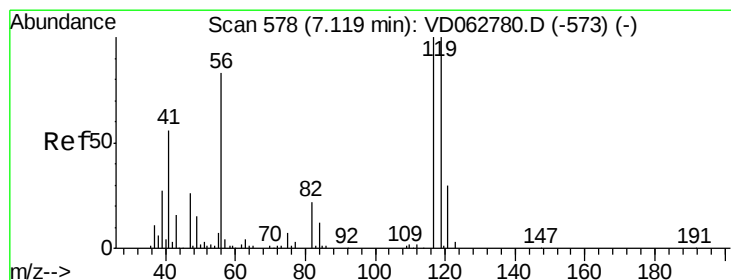
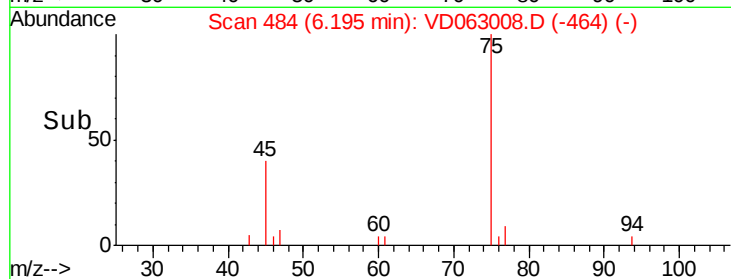
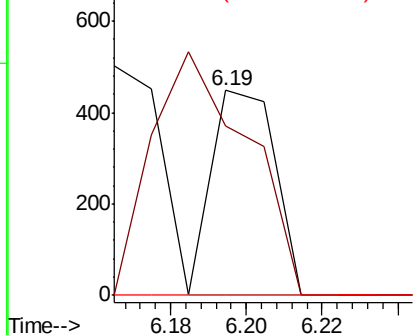
#37
Ethyl Acetate
Concen: Below Cal
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
61 83.0 11.6 17.4#
70 0.0 6.4 9.6#

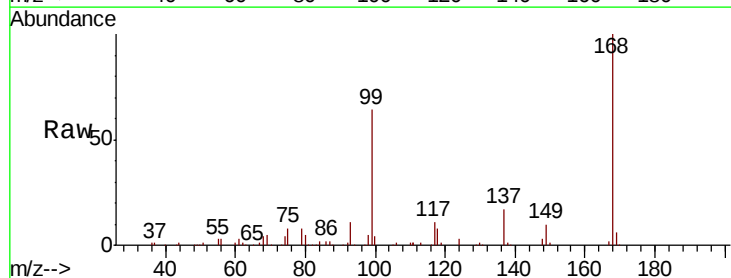


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

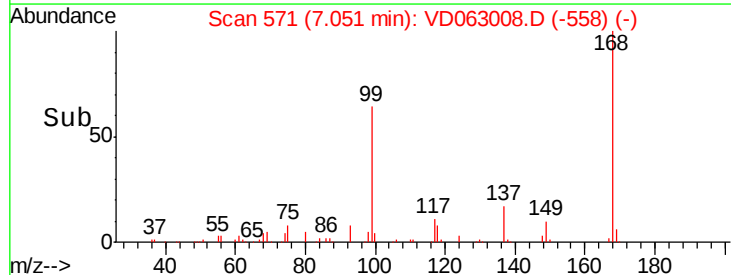
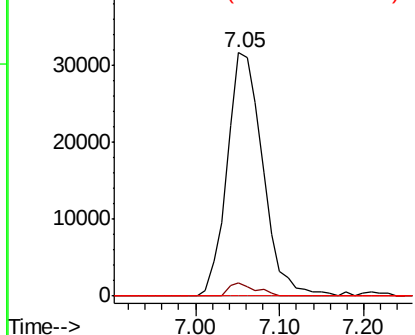


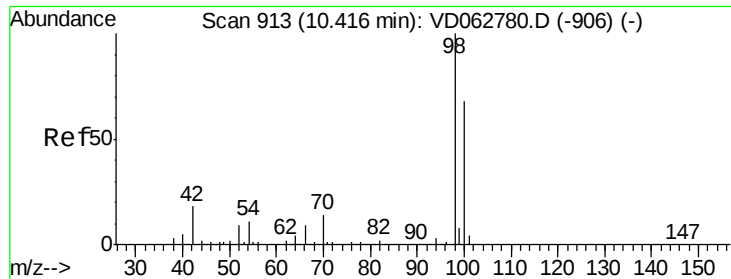
#38
Carbon Tetrachloride
Concen: 4.779 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Tgt Ion: 117 Resp: 93585
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 22.3 33.5#



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

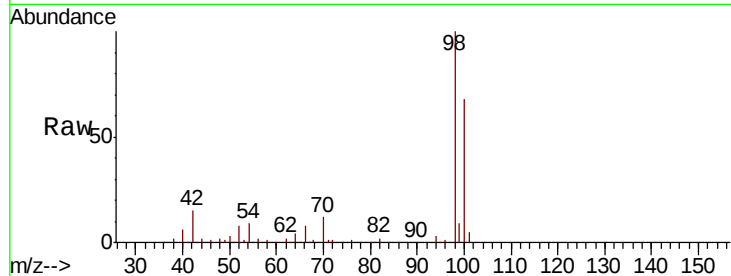




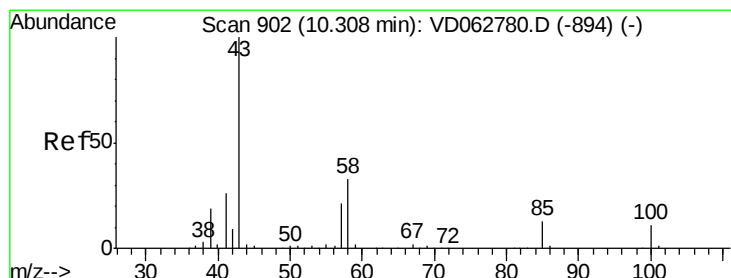
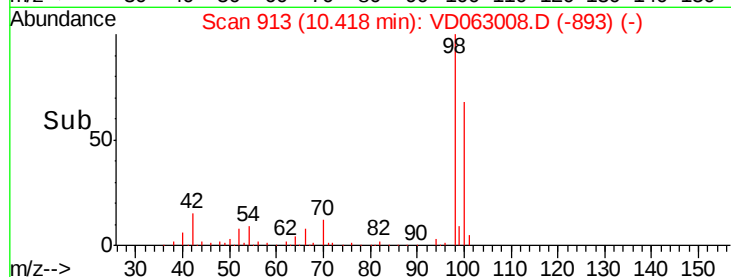
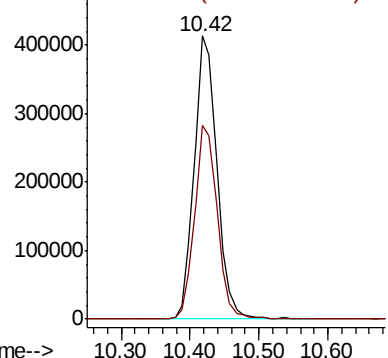
#50
Toluene-d8
Concen: 37.437 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 945042
Ion Ratio Lower Upper
98 100
100 68.5 54.7 82.1

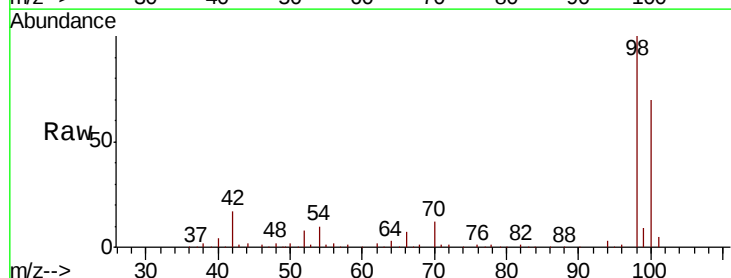


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

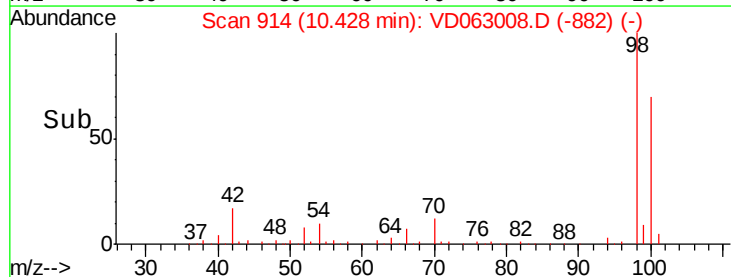
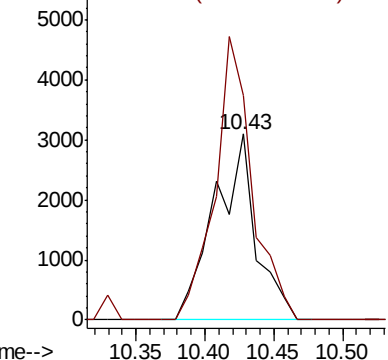


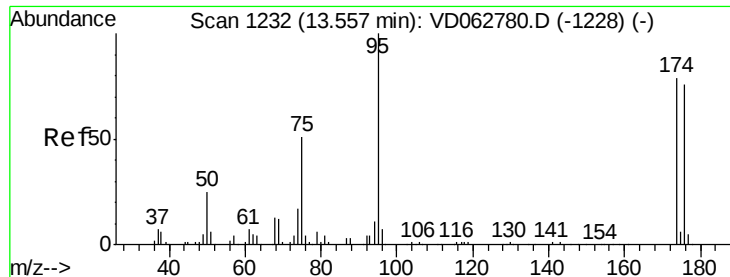
#51
4-Methyl-2-Pentanone
Concen: 1.330 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD063008.D
Acq: 2 Jul 2019 17:55

Tgt Ion: 43 Resp: 6437
Ion Ratio Lower Upper
43 100
58 121.1 26.6 40.0#



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





#62

4-Bromofluorobenzene

Concen: 36.656 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

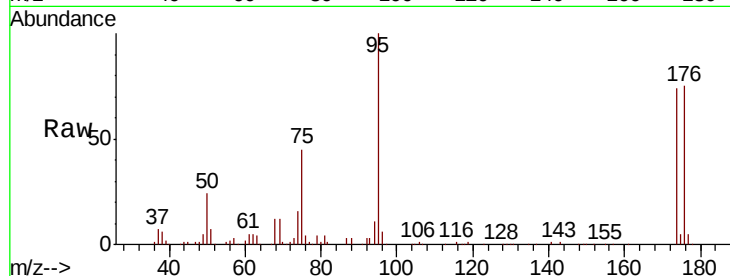
Tot Ion: 95 Resp: 420753

Ion Ratio Lower Upper

95 100

174 73.9 0.0 158.0

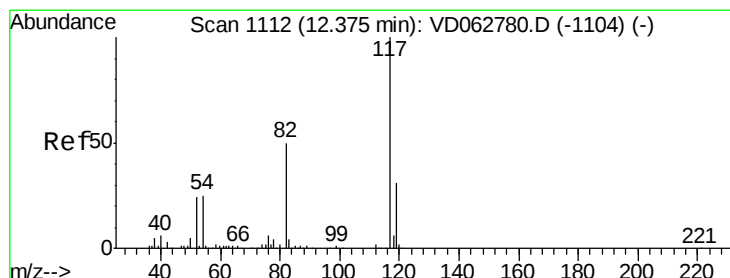
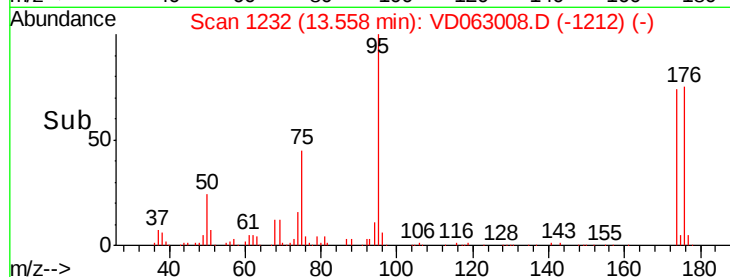
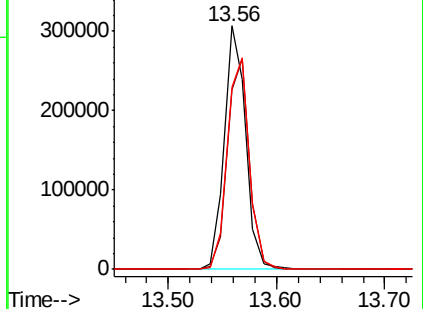
176 74.8 0.0 151.6



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: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

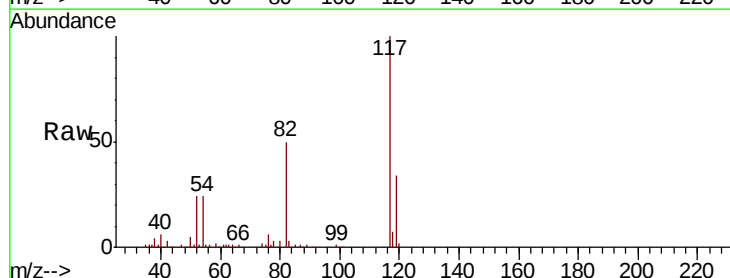
Tgt Ion: 117 Resp: 1089532

Ion Ratio Lower Upper

117 100

82 50.0 40.4 60.6

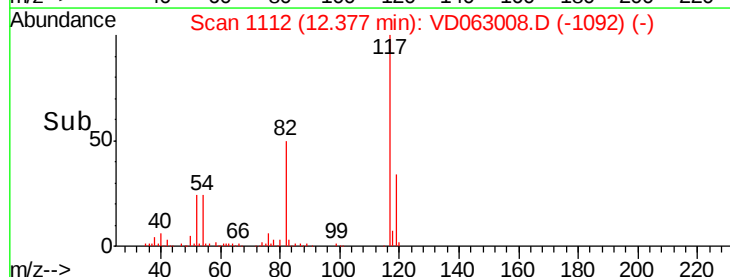
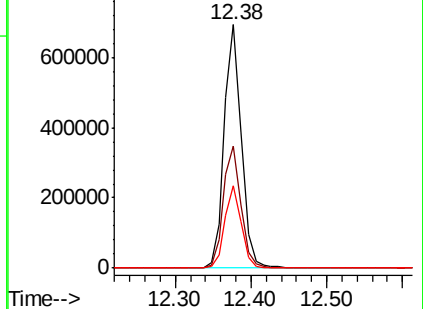
119 33.6 25.2 37.8

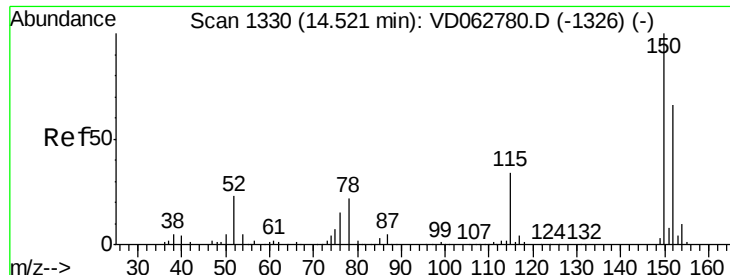


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063008.D

Acq: 2 Jul 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

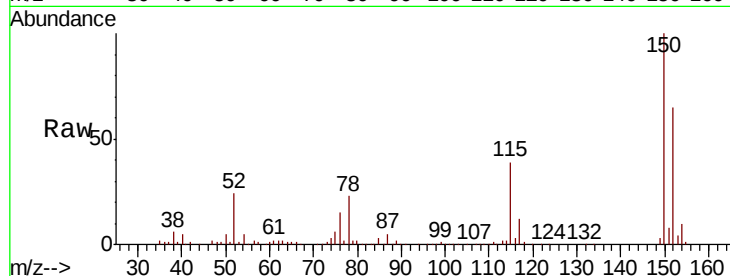
Tot Ion:152 Resp: 567950

Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

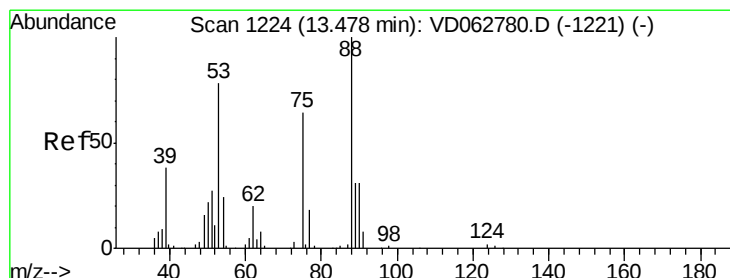
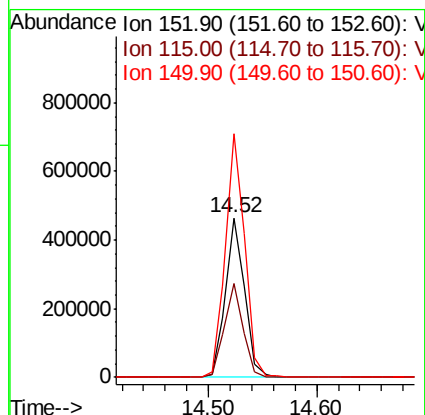
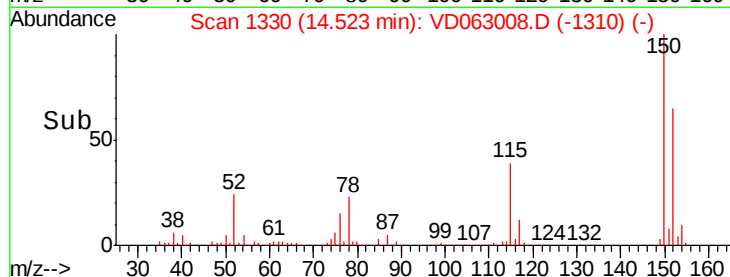
150 152.8 0.0 305.8



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: 109.086 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063008.D

Acq: 2 Jul 2019 17:55

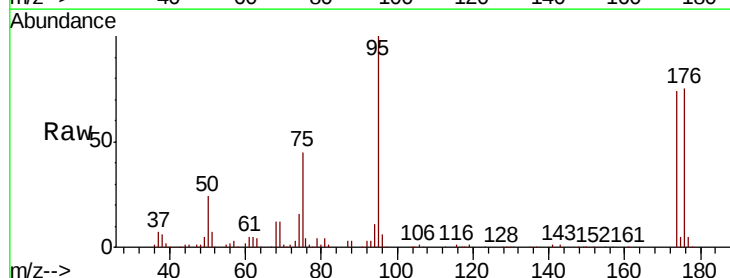
Tgt Ion: 75 Resp: 187451

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

