

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062887.D
 Acq On : 25 Jun 2019 18:53
 Operator : VA/AP
 Sample : K3516-05
 Misc : 7.15g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-062419

Quant Time: Jun 26 05:36:26 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	724495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	915198	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	753682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	323363	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	452873	57.51	ug/l	0.00
Spiked Amount			Recovery	=	115.02%	
35) Dibromofluoromethane	6.94	113	465183	60.28	ug/l	0.00
Spiked Amount			Recovery	=	120.56%	
50) Toluene-d8	10.41	98	904979	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	13.55	95	349855	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

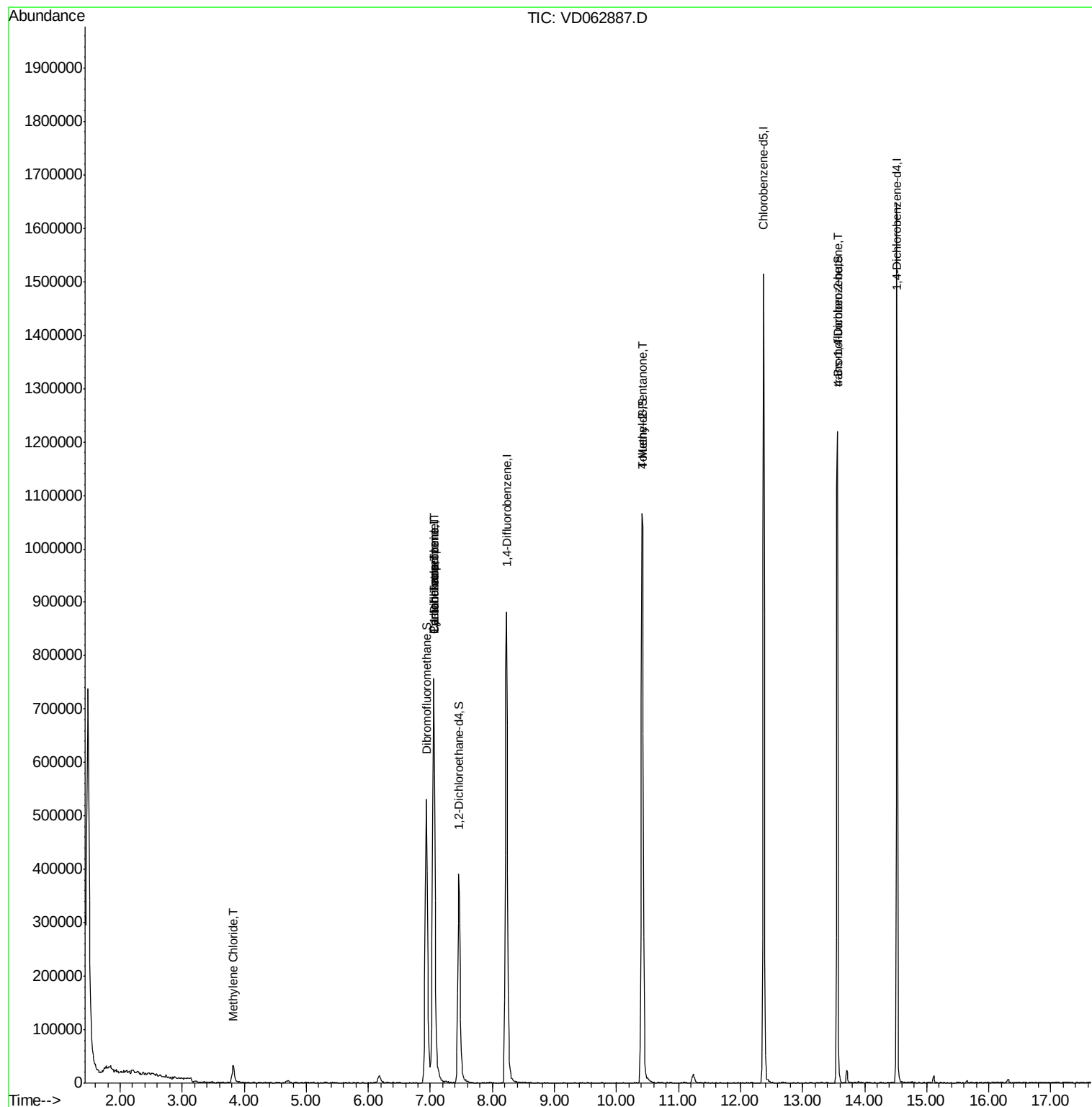
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	2341	Below Cal	#	64
20) Methylene Chloride	3.83	84	19660	3.273	ug/l	93
31) Cyclohexane	7.05	56	18434	2.493	ug/l #	19
36) 1,1-Dichloropropene	7.05	75	57431	6.629	ug/l #	54
37) Ethyl Acetate	6.20	43	420	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	75354	5.783	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	4863	1.510	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	167079	170.774	ug/l #	2

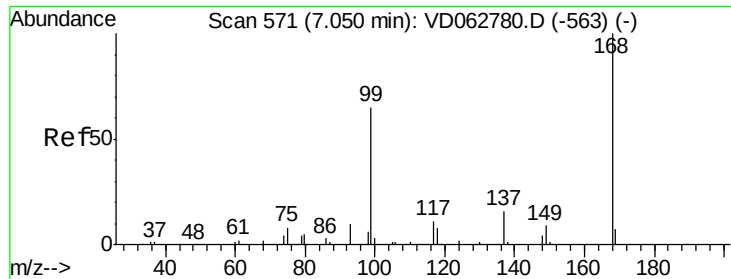
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 26 05:36:26 2019
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: VD062887.D

Acq: 25 Jun 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

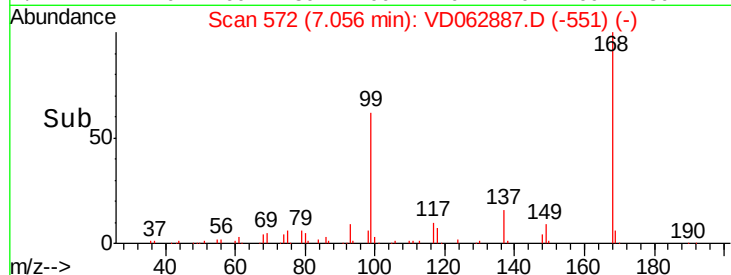
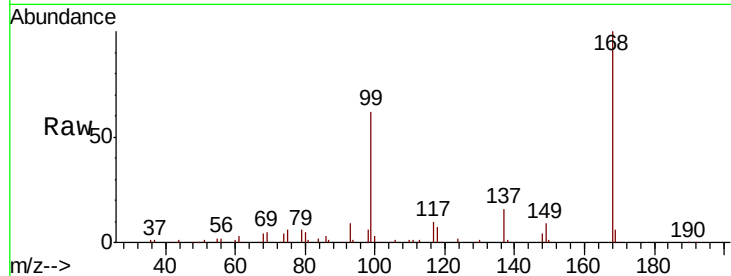
HD-02-062419

Tot Ion:168 Resp: 724495

Ion Ratio Lower Upper

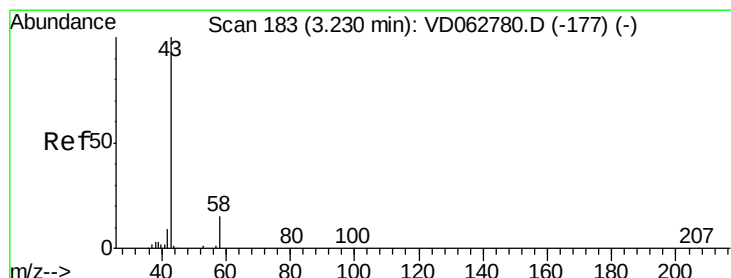
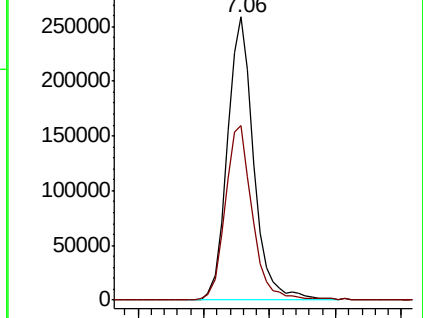
168 100

99 61.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: Below Cal

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062887.D

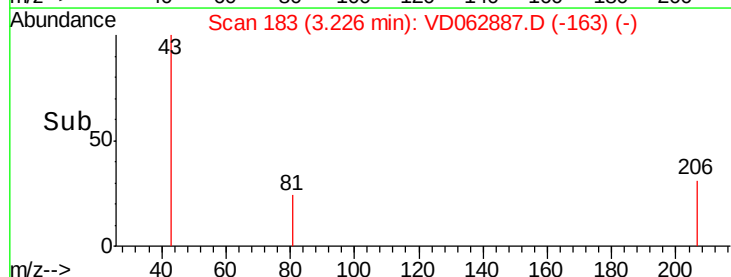
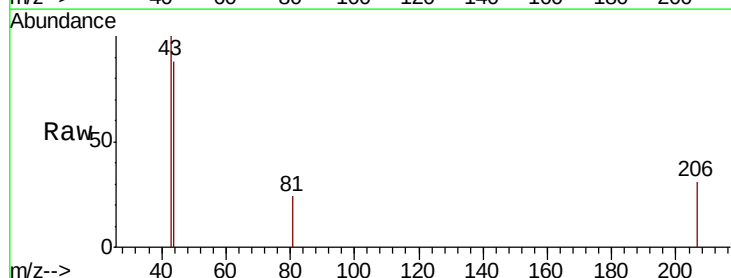
Acq: 25 Jun 2019 18:53

Tgt Ion: 43 Resp: 2341

Ion Ratio Lower Upper

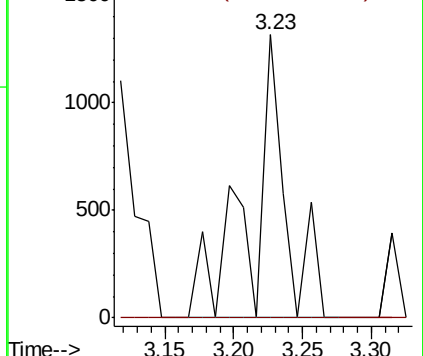
43 100

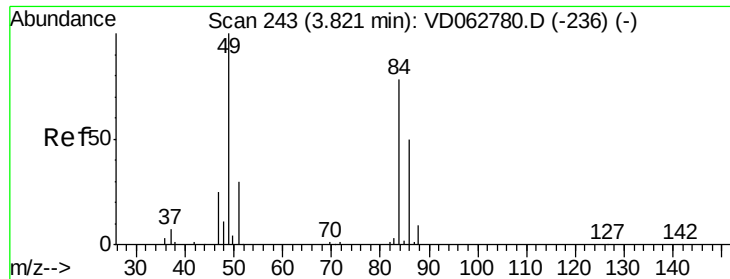
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

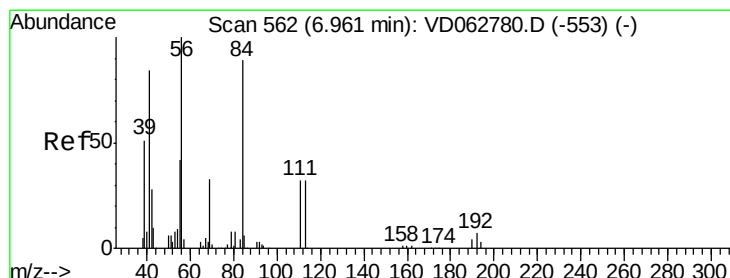
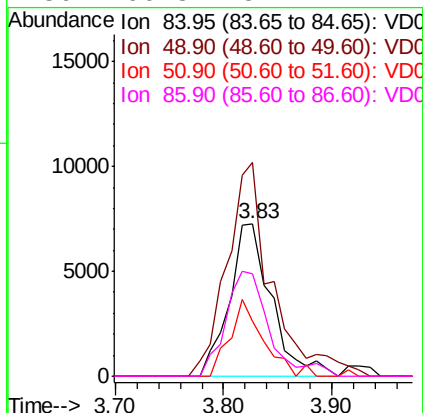
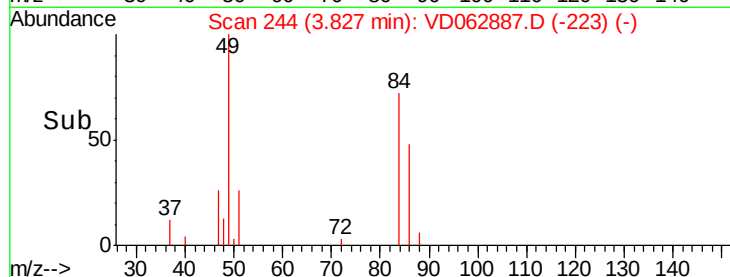
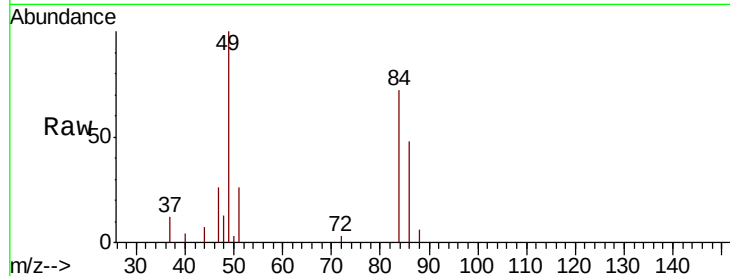




#20
Methylene Chloride
Concen: 3.273 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

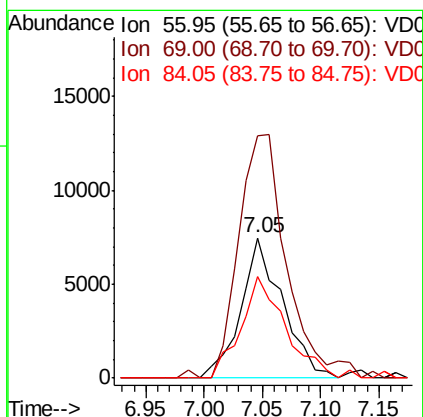
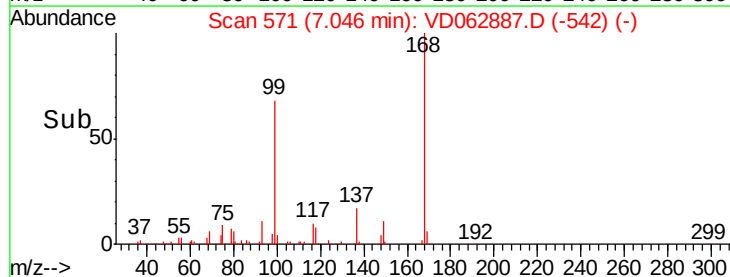
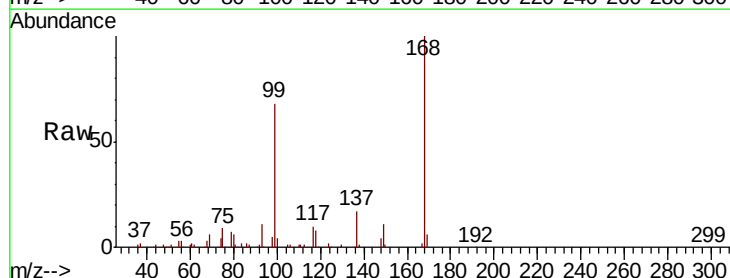
Instrument :
MSVOA_D
ClientSampleId :
HD-02-062419

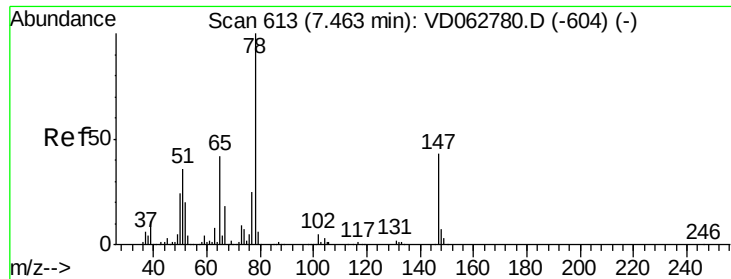
Tot Ion: 84 Resp: 19660
Ion Ratio Lower Upper
84 100
49 139.8 102.9 154.3
51 35.8 31.2 46.8
86 66.8 51.4 77.2



#31
Cyclohexane
Concen: 2.493 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

Tgt Ion: 56 Resp: 18434
Ion Ratio Lower Upper
56 100
69 172.3 26.6 39.8#
84 72.5 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 57.507 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

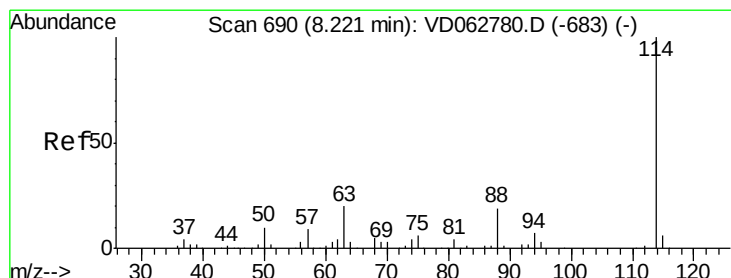
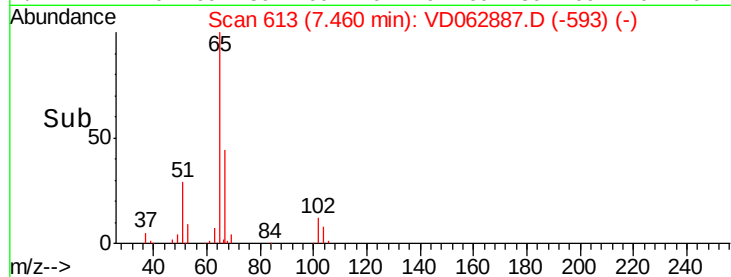
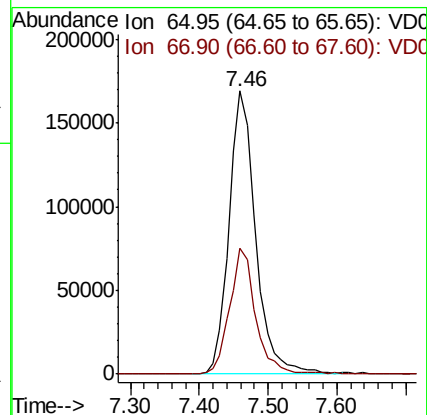
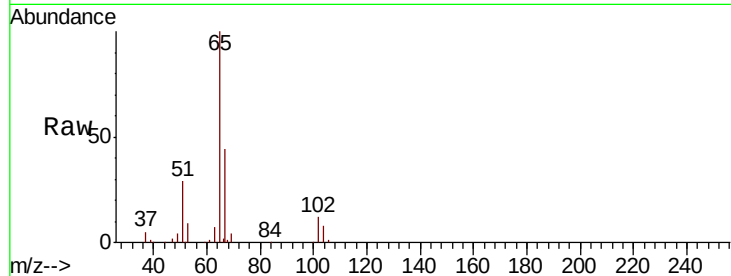
HD-02-062419

Tot Ion: 65 Resp: 452873

Ion Ratio Lower Upper

65 100

67 44.4 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

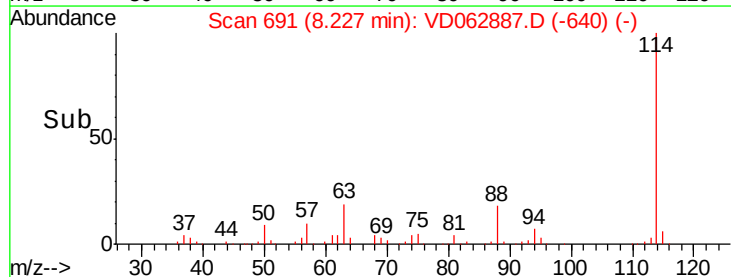
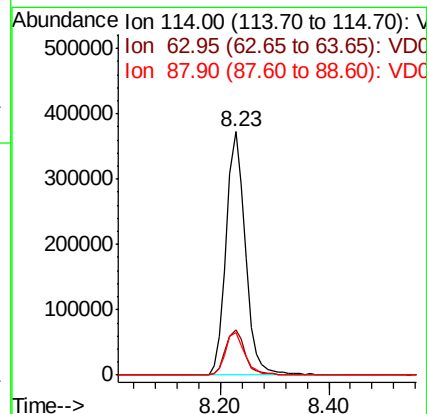
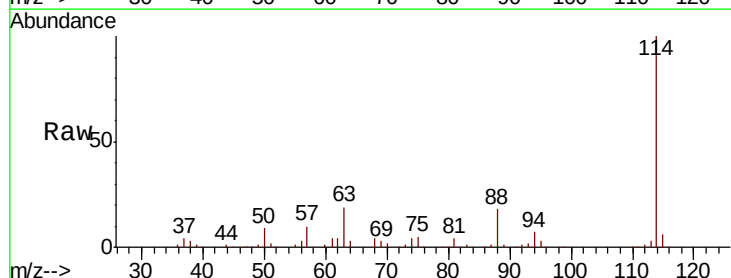
Tgt Ion: 114 Resp: 915198

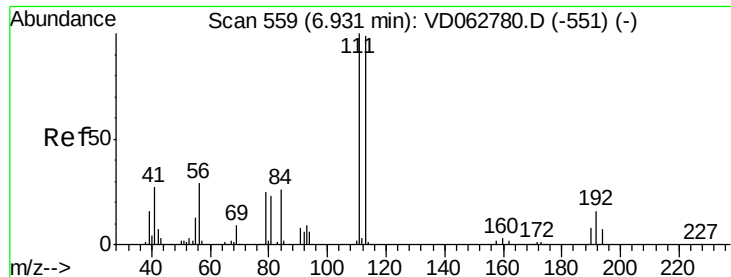
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 17.6 0.0 38.8

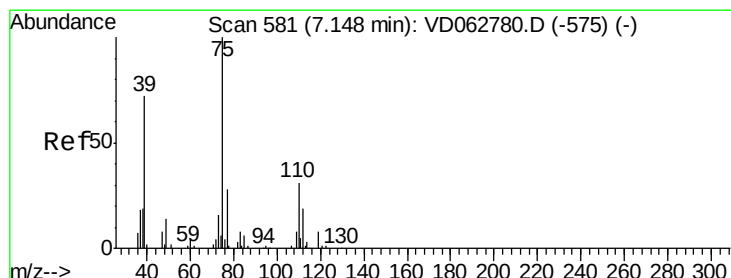
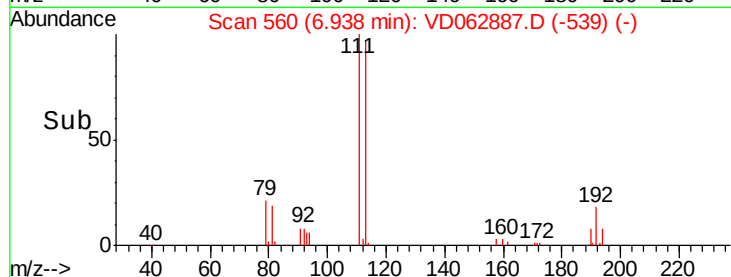
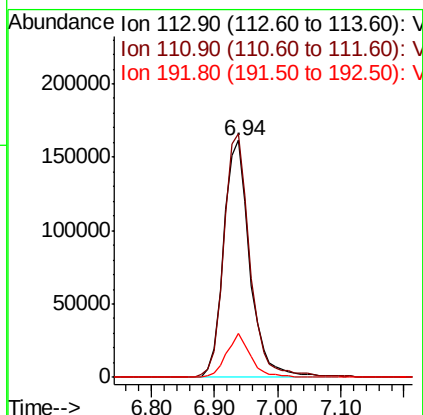
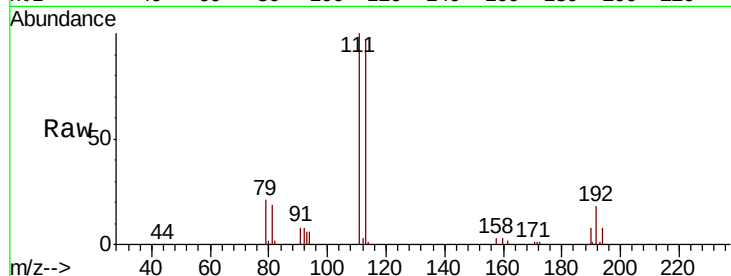




#35
Dibromofluoromethane
Concen: 60.281 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

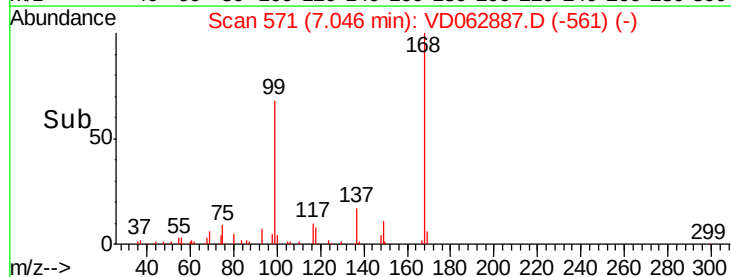
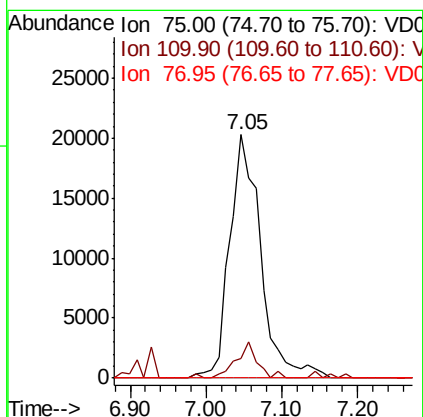
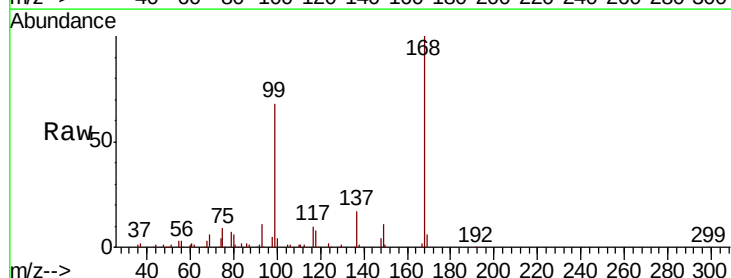
Instrument :
MSVOA_D
ClientSampleId :
HD-02-062419

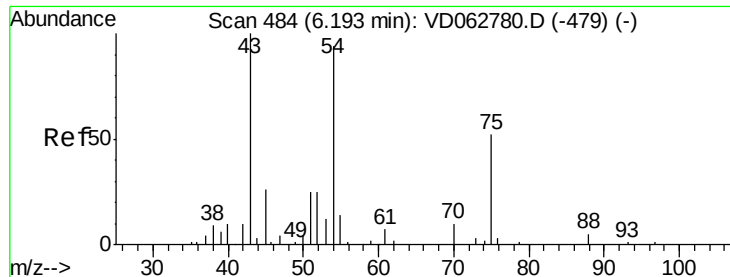
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	18.5	12.9	19.3



#36
1,1-Dichloropropene
Concen: 6.629 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.0	45.1#
77	0.0	22.2	33.2#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.20 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

HD-02-062419

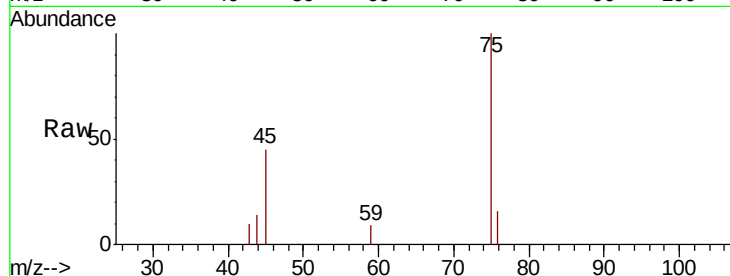
Tot Ion: 43 Resp: 420

Ion Ratio Lower Upper

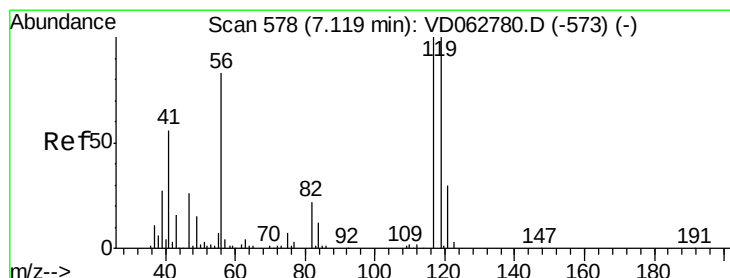
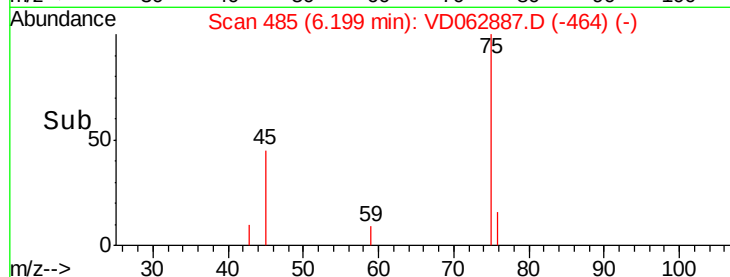
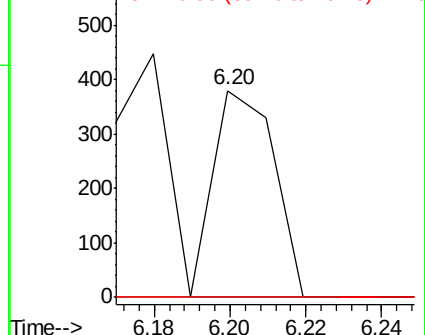
43 100

61 0.0 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: 5.783 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

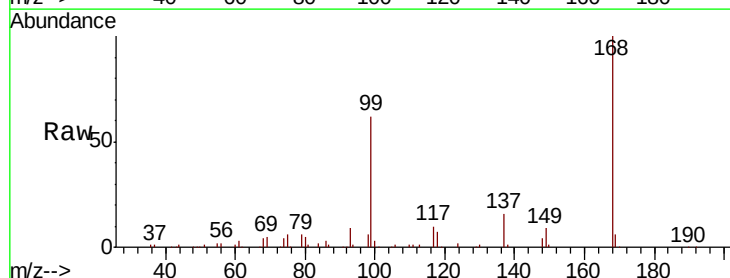
Tgt Ion: 117 Resp: 75354

Ion Ratio Lower Upper

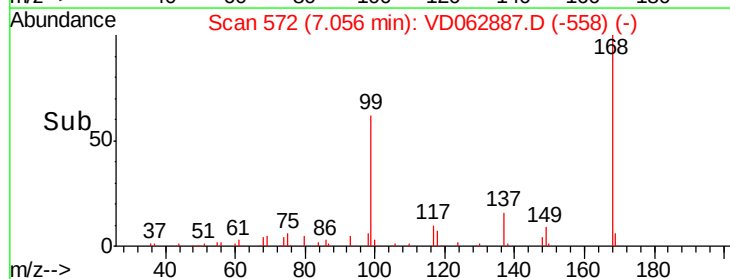
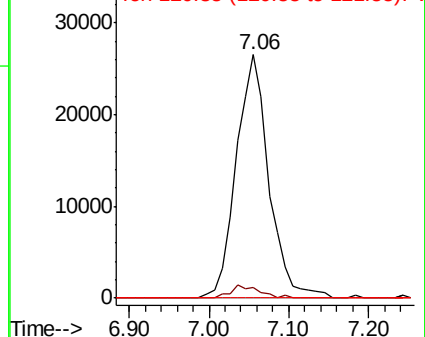
117 100

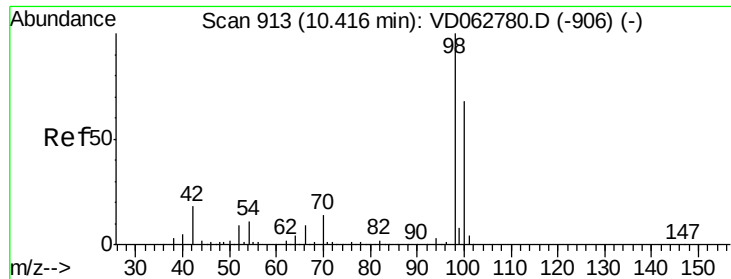
119 4.3 75.4 113.2#

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

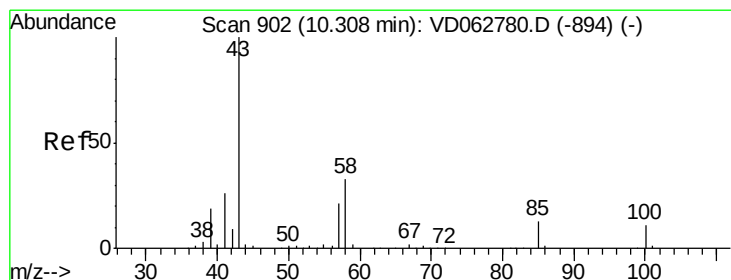
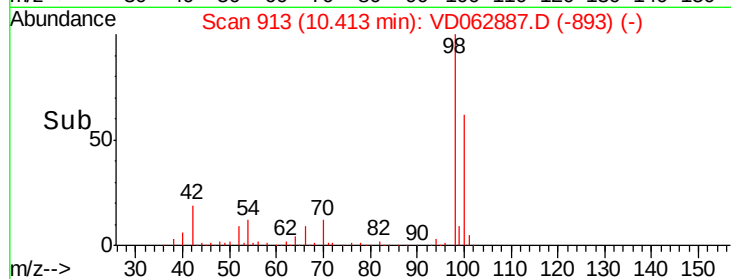
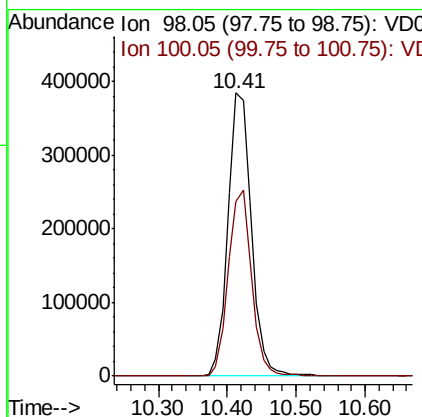
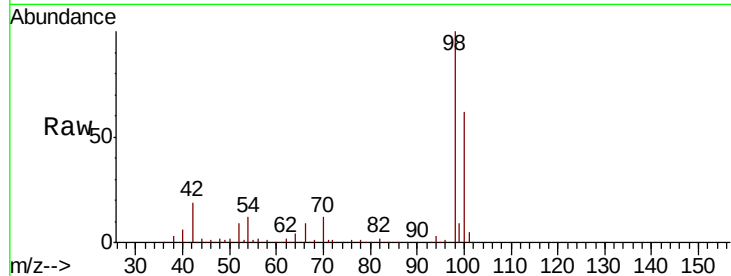




#50
Toluene-d8
Concen: 53.882 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

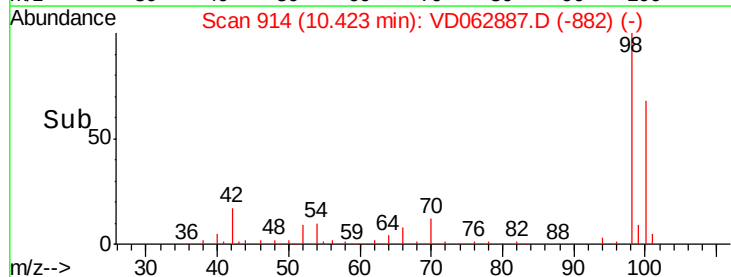
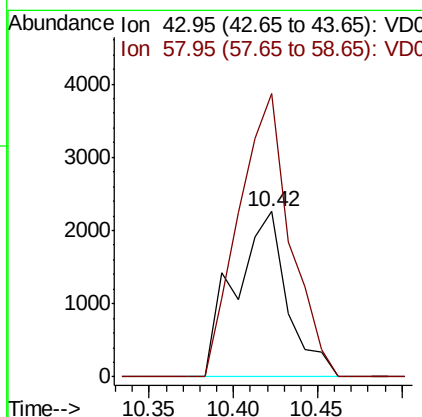
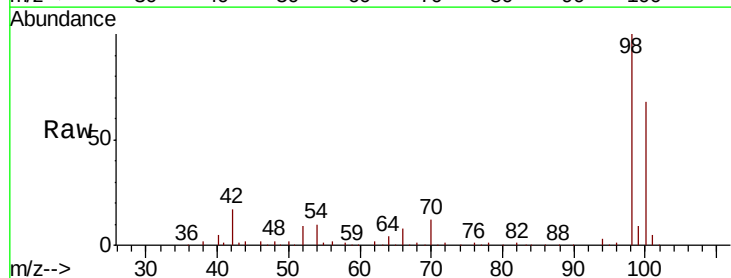
Instrument :
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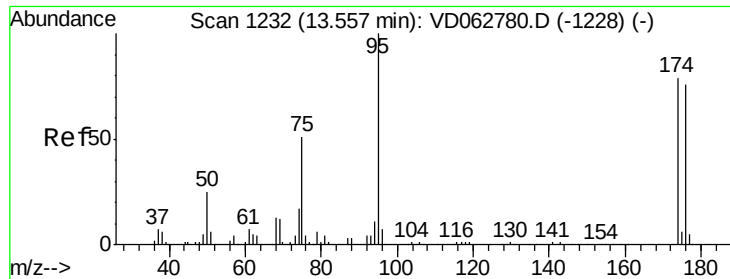
Tot Ion: 98 Resp: 904979
Ion Ratio Lower Upper
98 100
100 61.9 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.510 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.11 min
Lab File: VD062887.D
Acq: 25 Jun 2019 18:53

Tgt Ion: 43 Resp: 4863
Ion Ratio Lower Upper
43 100
58 171.5 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 45.810 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

HD-02-062419

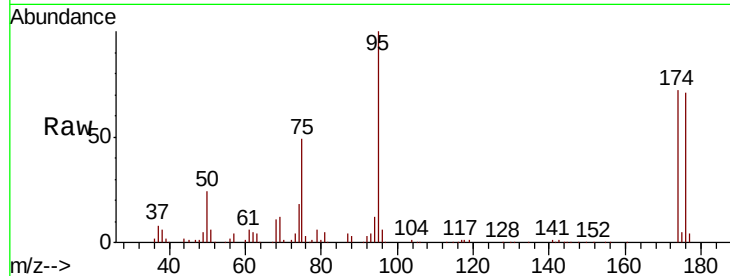
Tot Ion: 95 Resp: 349855

Ion Ratio Lower Upper

95 100

174 72.0 0.0 158.0

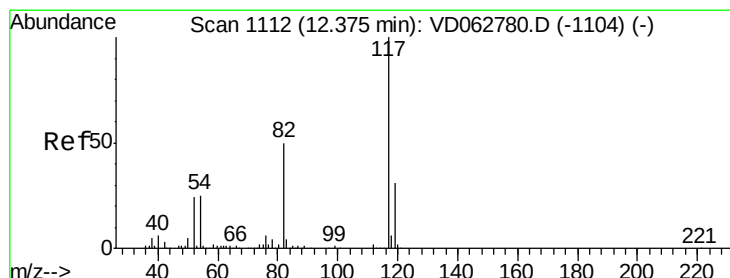
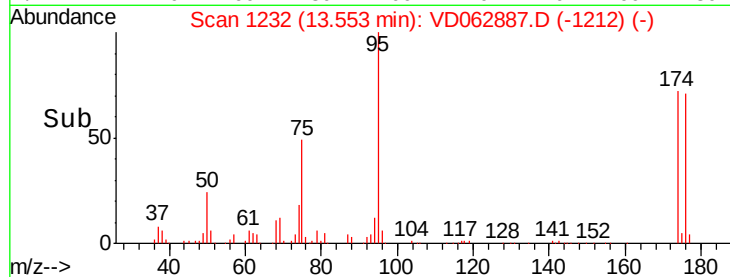
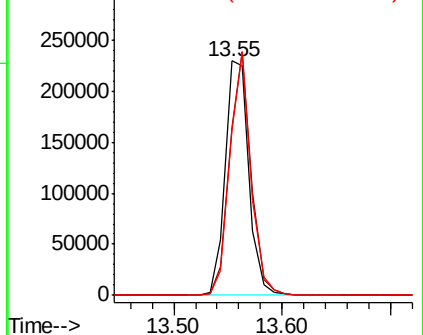
176 70.9 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

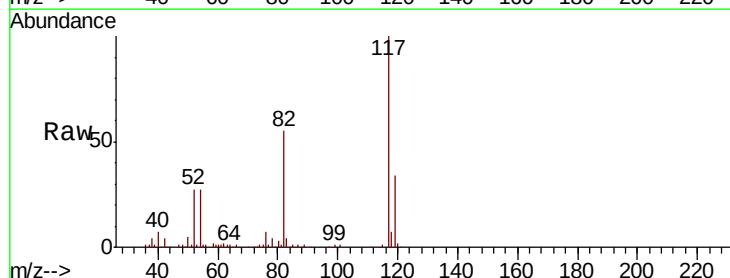
Tgt Ion: 117 Resp: 753682

Ion Ratio Lower Upper

117 100

82 55.0 40.4 60.6

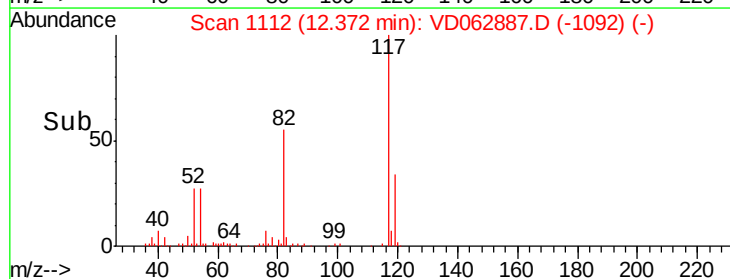
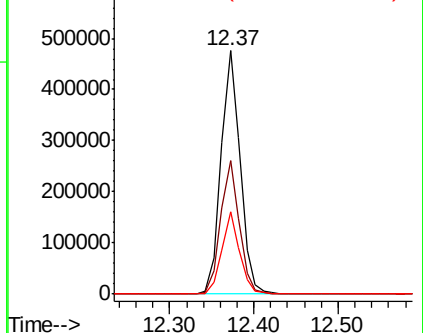
119 33.8 25.2 37.8

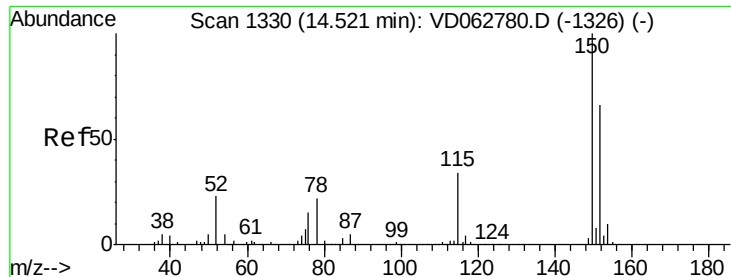


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062887.D

Acq: 25 Jun 2019 18:53

Instrument :

MSVOA_D

ClientSampleId :

HD-02-062419

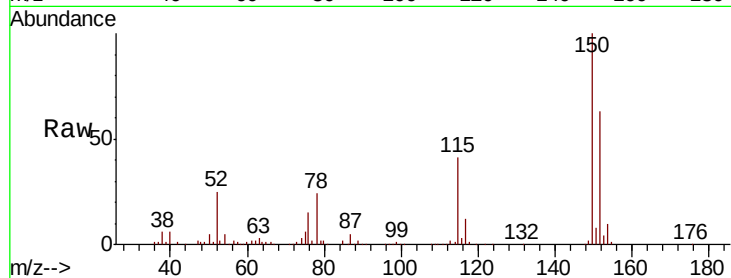
Tot Ion:152 Resp: 323363

Ion Ratio Lower Upper

152 100

115 65.2 29.2 87.6

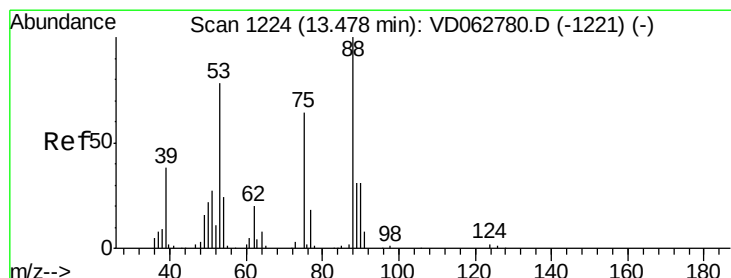
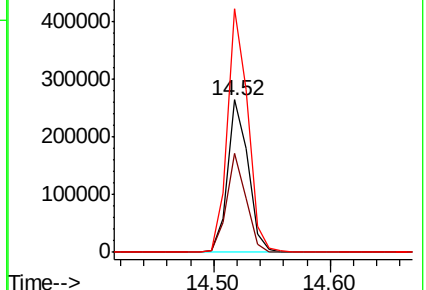
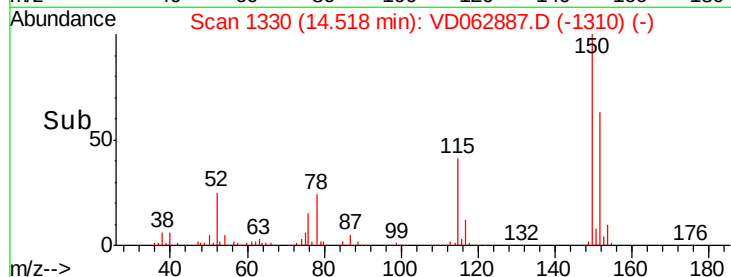
150 159.8 0.0 305.8



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: 170.774 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062887.D

Acq: 25 Jun 2019 18:53

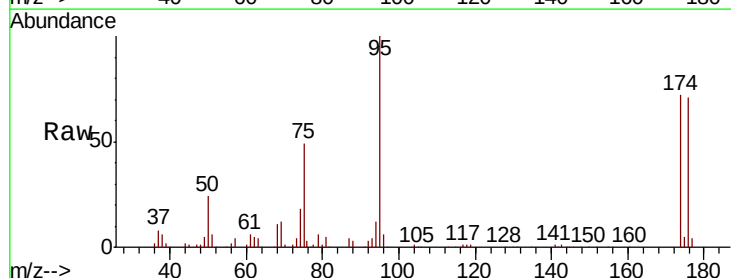
Tgt Ion: 75 Resp: 167079

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

