

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062952.D
 Acq On : 28 Jun 2019 3:22
 Operator : VA/AP
 Sample : K3554-01
 Misc : 6.98g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:24:34 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	7.01	168	694602	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	981208	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	681780	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	259381	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	413319	54.74	ug/l	-0.04
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	6.89	113	431685	52.18	ug/l	-0.04
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.39	98	810329	45.00	ug/l	-0.03
Spiked Amount			Recovery	=	90.00%	
62) 4-Bromofluorobenzene	13.54	95	304628	37.20	ug/l	-0.02
Spiked Amount			Recovery	=	74.40%	

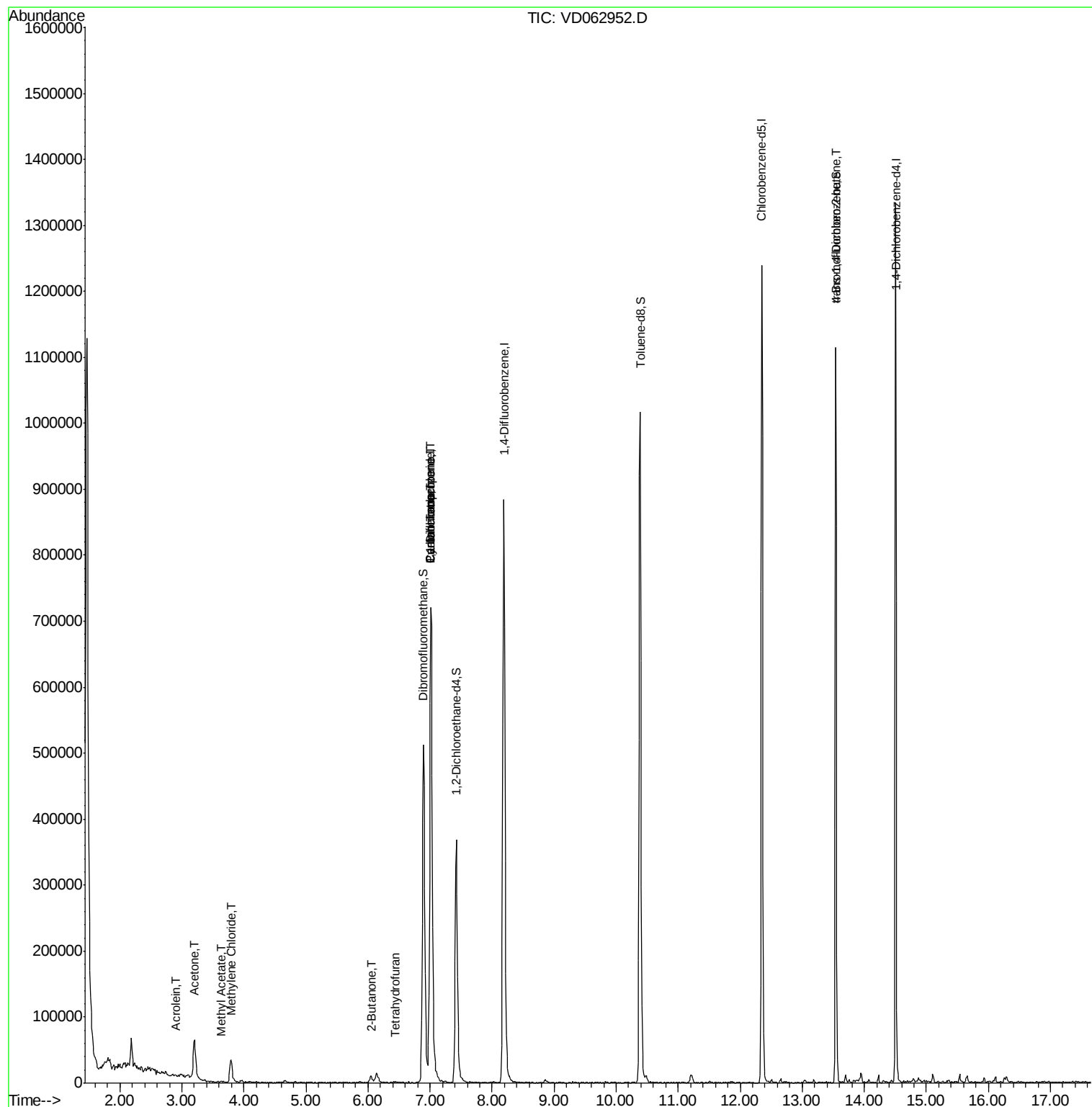
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.90	56	358	1.020	ug/l	96
16) Acetone	3.20	43	135276	83.698	ug/l	98
18) Methyl Acetate	3.63	43	2757	1.210	ug/l #	58
20) Methylene Chloride	3.78	84	22296	3.872	ug/l #	94
25) 2-Butanone	6.05	43	22650	16.040	ug/l #	89
29) Tetrahydrofuran	6.44	42	815	1.220	ug/l #	33
31) Cyclohexane	7.01	56	15963	2.251	ug/l #	16
36) 1,1-Dichloropropene	7.01	75	52048	5.603	ug/l #	54
37) Ethyl Acetate	6.14	43	2645	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	66528	4.762	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	143391	182.715	ug/l #	2

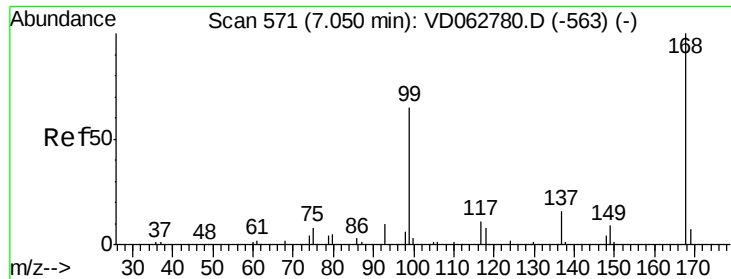
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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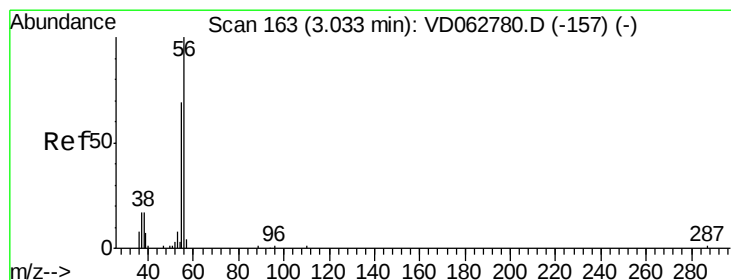
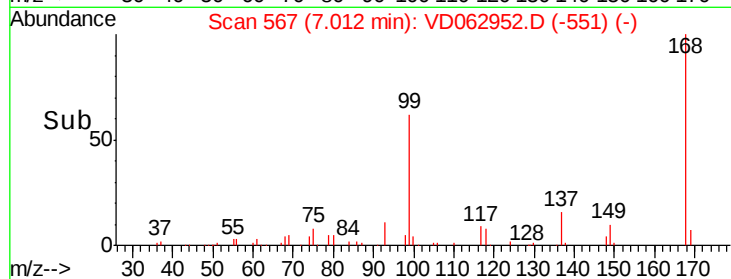
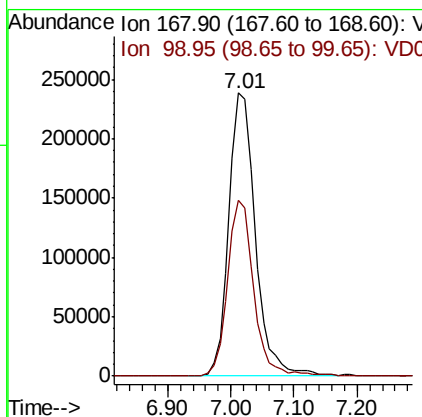
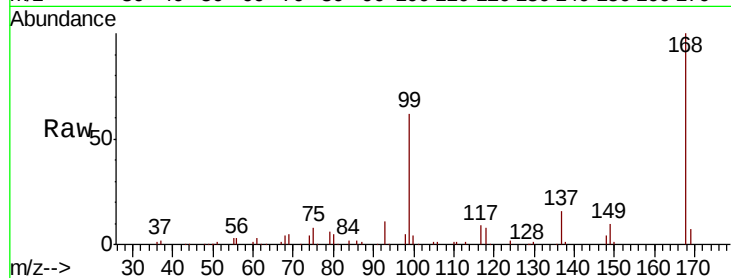




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.01 min Scan# 567
Delta R.T. -0.04 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

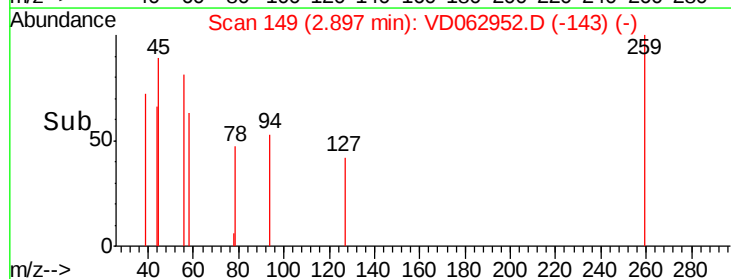
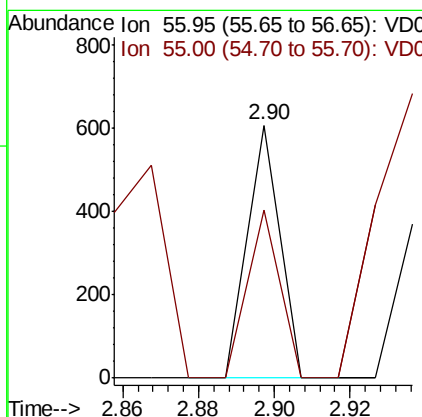
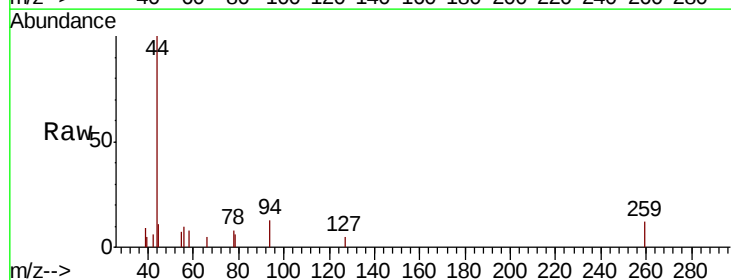
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MSVOA_D
ClientSampleId :

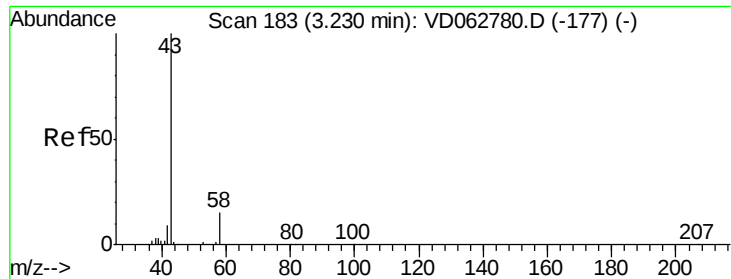
Tot Ion:168 Resp: 694602
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#13
Acrolein
Concen: 1.020 ug/l
RT: 2.90 min Scan# 149
Delta R.T. -0.14 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 66.3 55.4 83.0





#16

Acetone

Concen: 83.698 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062952.D

Acq: 28 Jun 2019 3:22

Instrument :

MSVOA_D

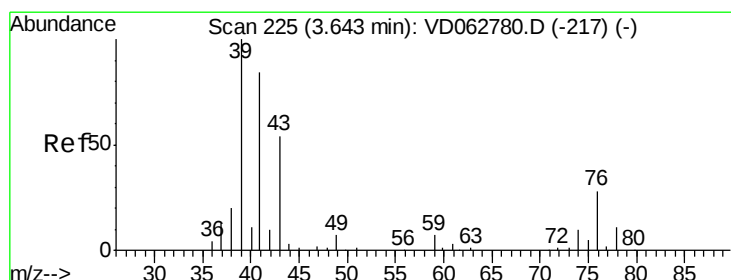
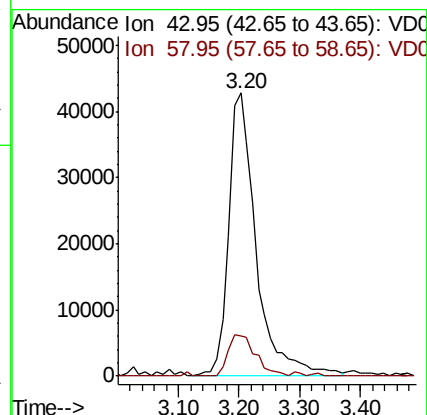
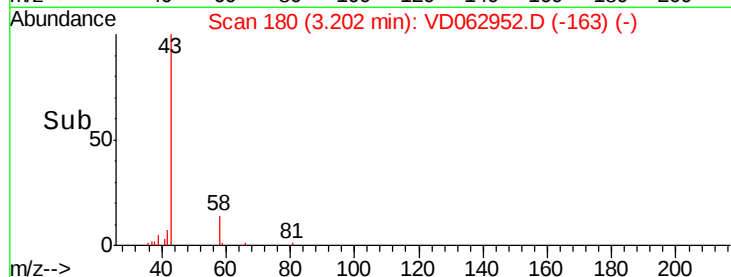
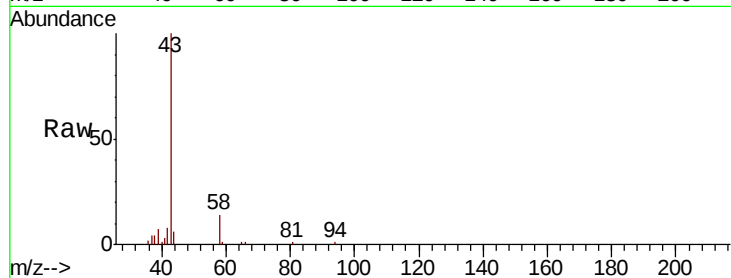
ClientSampleId :

Tot Ion: 43 Resp: 135276

Ion Ratio Lower Upper

43 100

58 14.2 11.9 17.9



#18

Methyl Acetate

Concen: 1.210 ug/l

RT: 3.63 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062952.D

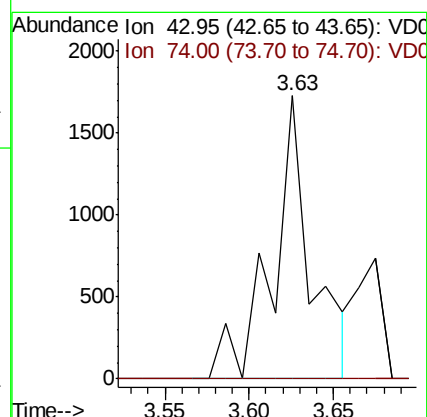
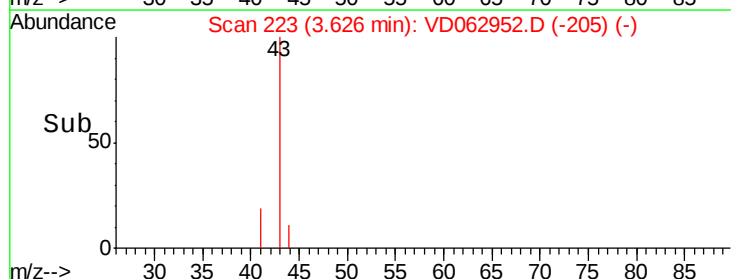
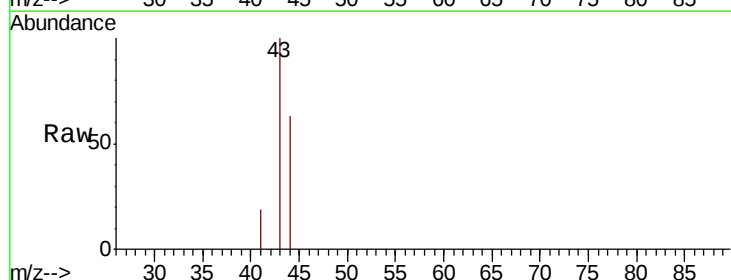
Acq: 28 Jun 2019 3:22

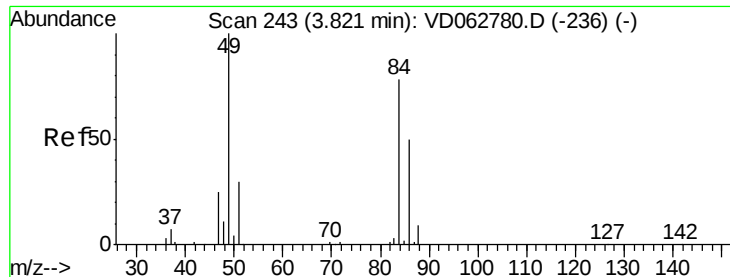
Tgt Ion: 43 Resp: 2757

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#

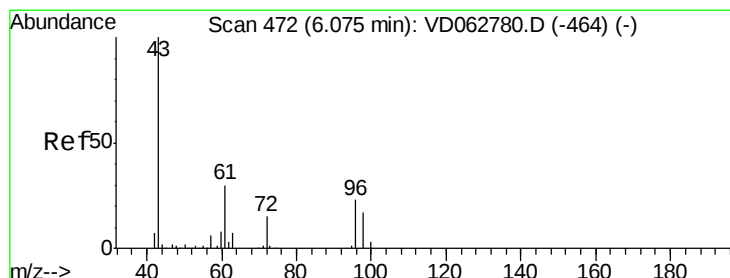
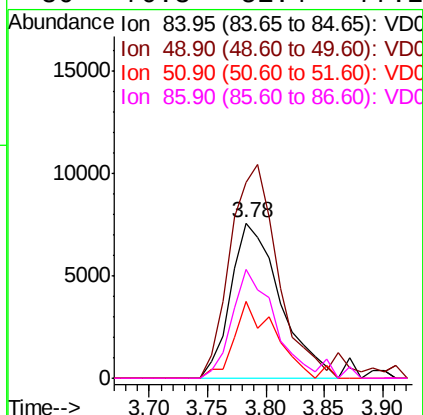
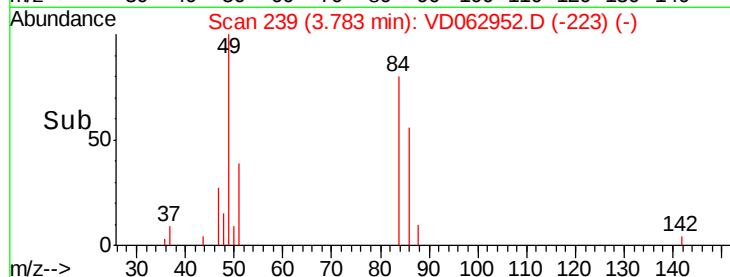
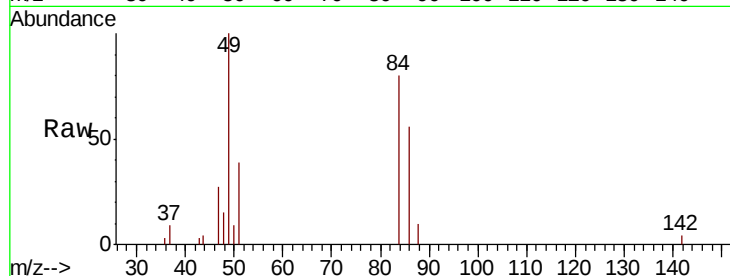




#20
Methvlene Chloride
Concen: 3.872 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

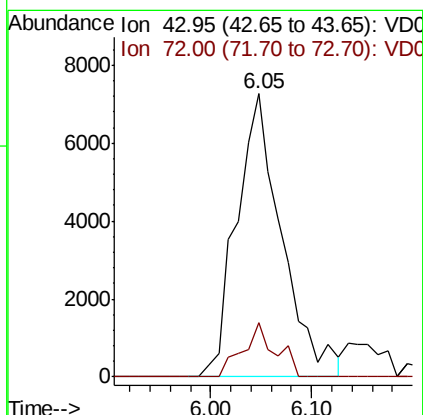
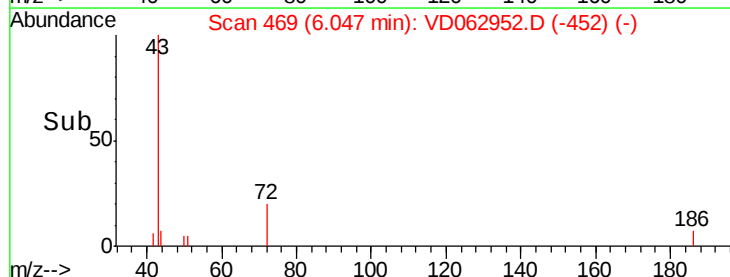
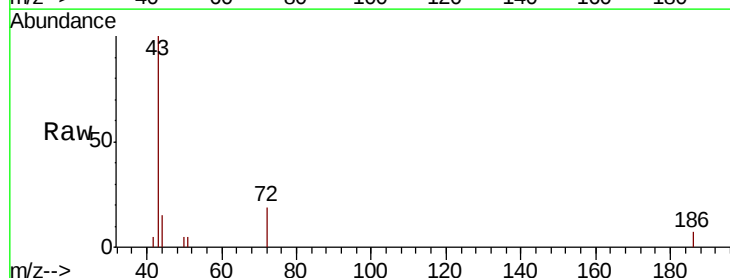
Instrument :
MSVOA_D
ClientSampleId :

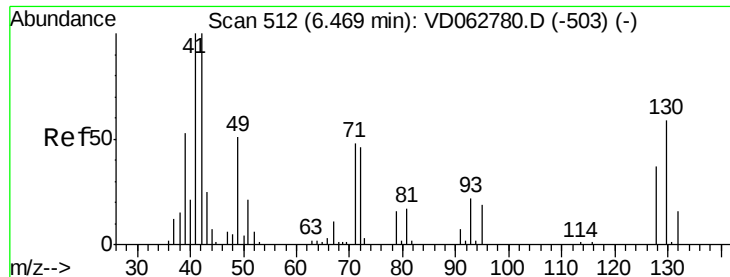
Tot Ion: 84 Resp: 22296
Ion Ratio Lower Upper
84 100
49 125.7 102.9 154.3
51 49.4 31.2 46.8#
86 70.3 51.4 77.2



#25
2-Butanone
Concen: 16.040 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.03 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Tgt Ion: 43 Resp: 22650
Ion Ratio Lower Upper
43 100
72 19.3 11.9 17.9#

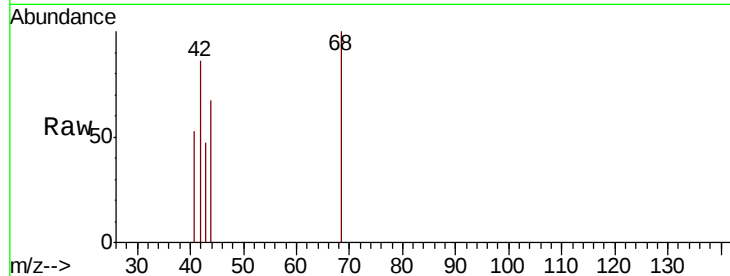




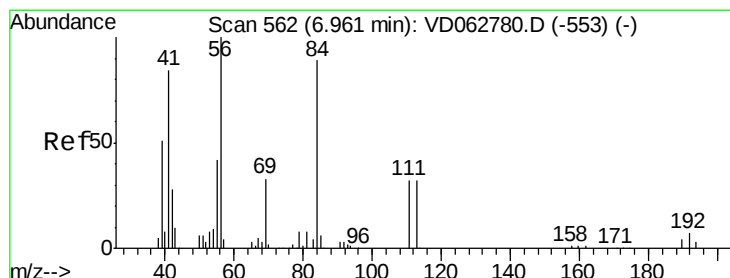
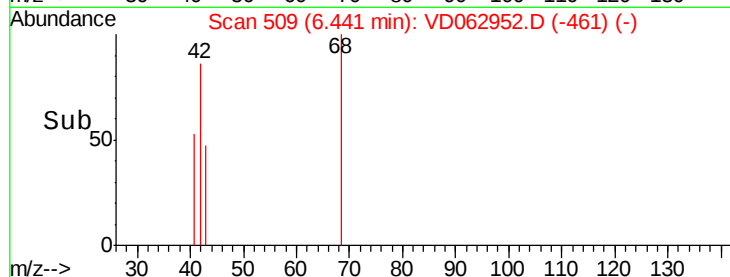
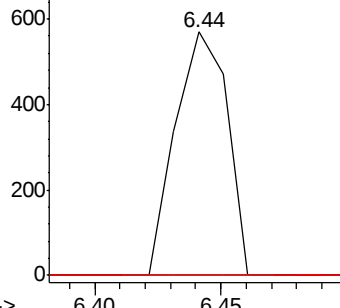
#29
Tetrahydrofuran
Concen: 1.220 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 815
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 0.0 33.3 49.9#

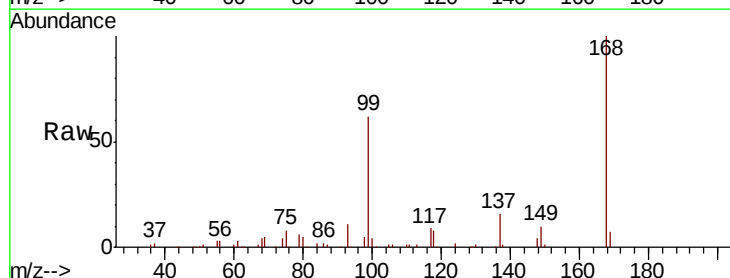


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

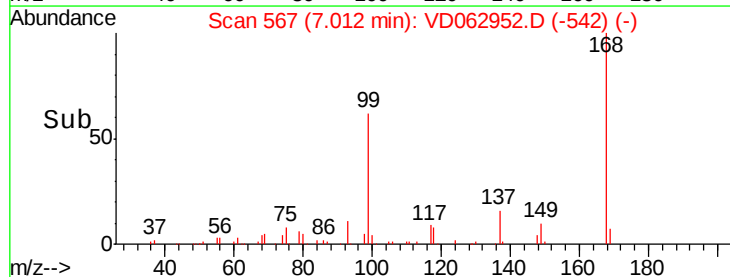
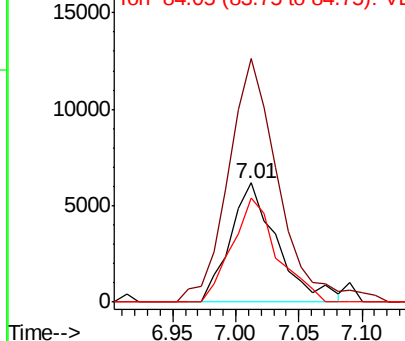


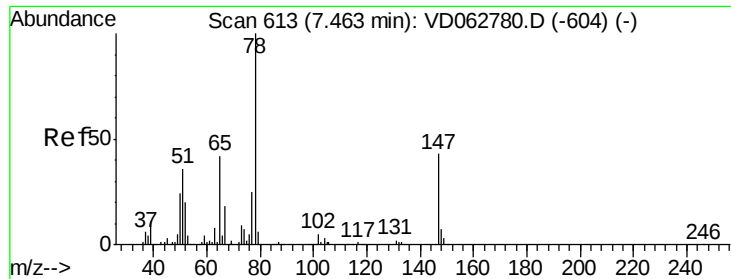
#31
Cyclohexane
Concen: 2.251 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Tgt Ion: 56 Resp: 15963
Ion Ratio Lower Upper
56 100
69 204.4 26.6 39.8#
84 87.4 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

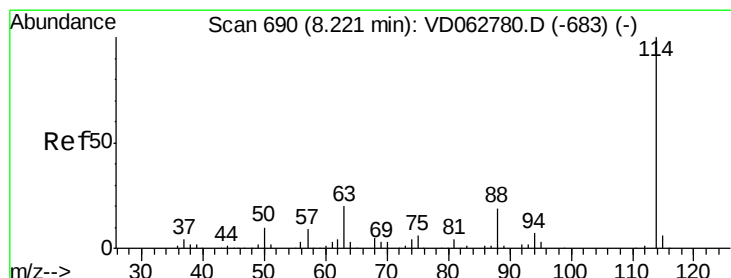
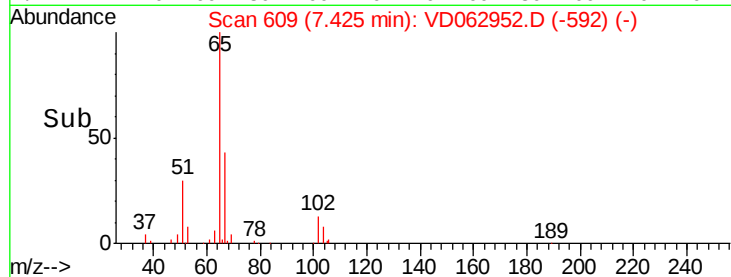
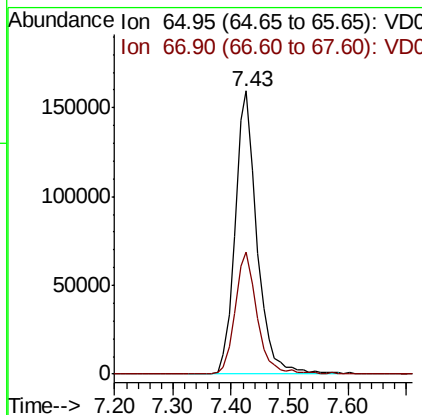
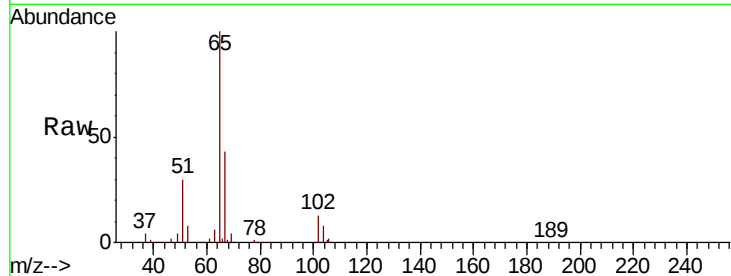




#33
 1,2-Dichloroethane-d4
 Concen: 54.743 ug/l
 RT: 7.43 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062952.D
 Acq: 28 Jun 2019 3:22

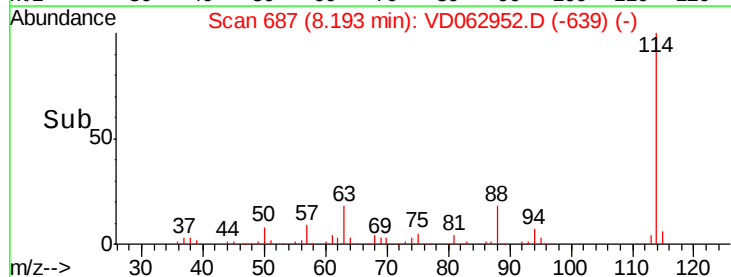
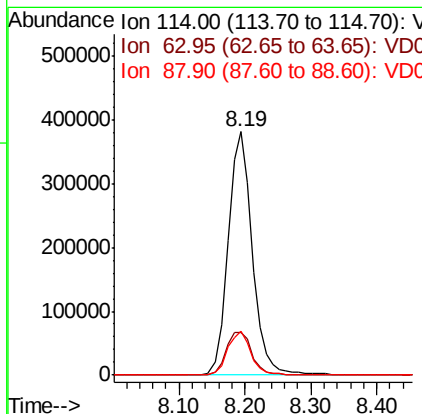
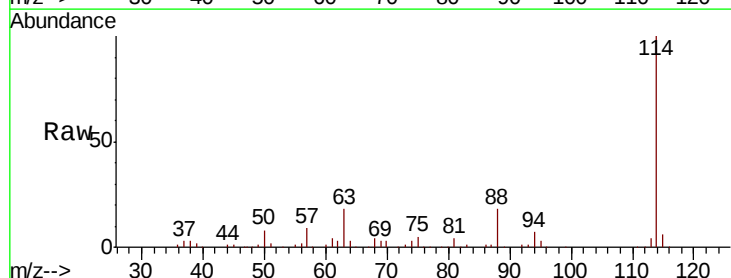
Instrument :
 MSVOA_D
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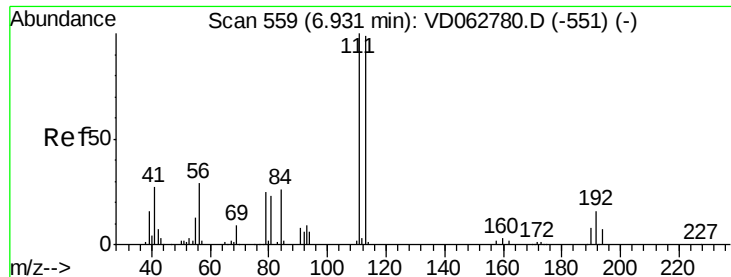
Tot Ion: 65 Resp: 413319
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062952.D
 Acq: 28 Jun 2019 3:22

Tgt Ion: 114 Resp: 981208
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.0
 88 18.1 0.0 38.8

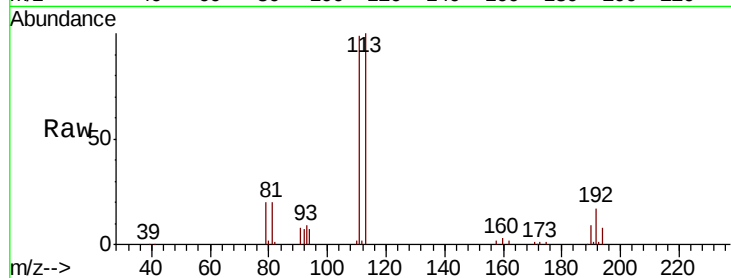




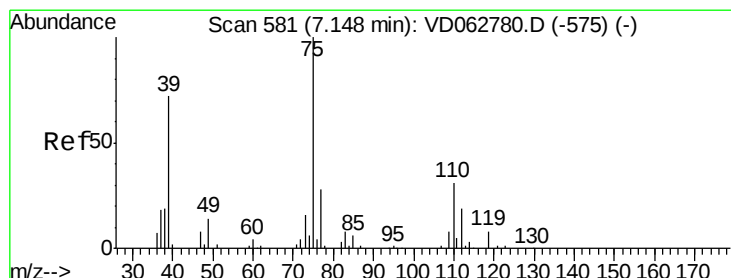
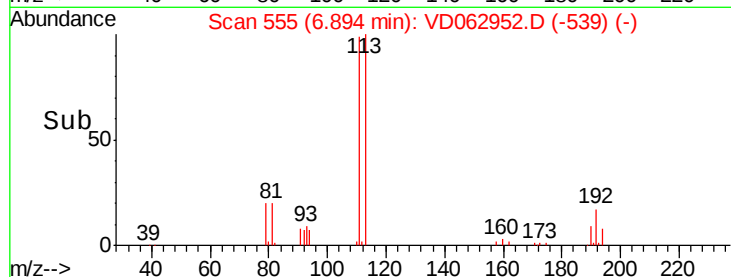
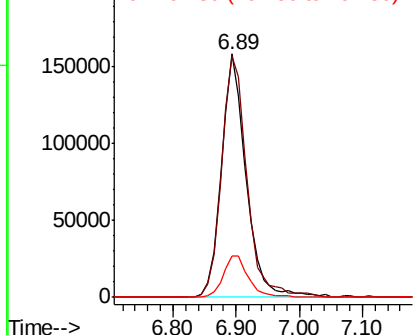
#35
 Dibromofluoromethane
 Concen: 52.177 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062952.D
 Acq: 28 Jun 2019 3:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 431685
 Ion Ratio Lower Upper
 113 100
 111 98.7 81.2 121.8
 192 16.9 12.9 19.3

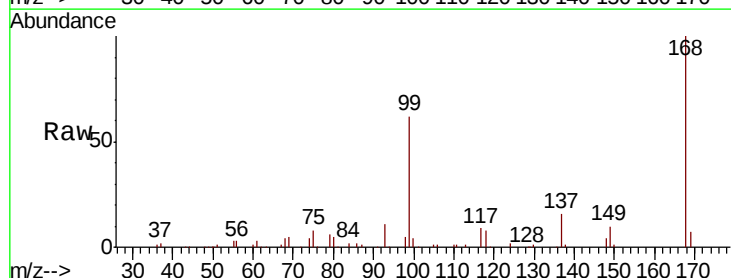


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

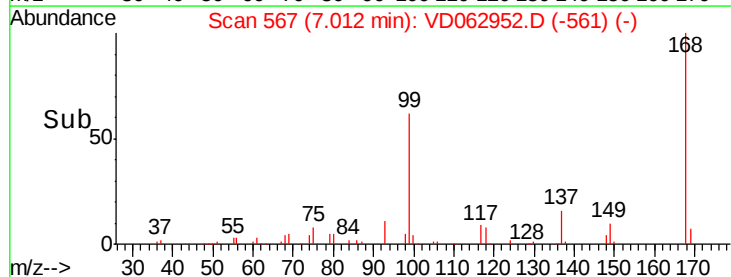
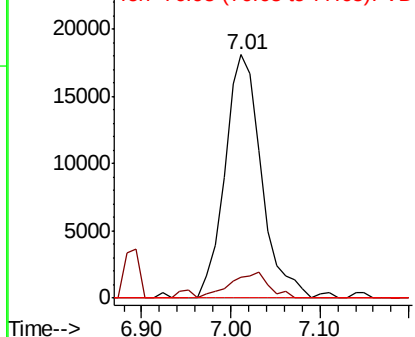


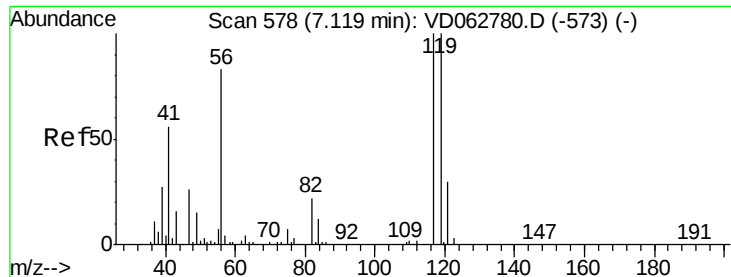
#36
 1,1-Dichloropropene
 Concen: 5.603 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.14 min
 Lab File: VD062952.D
 Acq: 28 Jun 2019 3:22

Tgt Ion: 75 Resp: 52048
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.0 45.1#
 77 0.0 22.2 33.2#



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

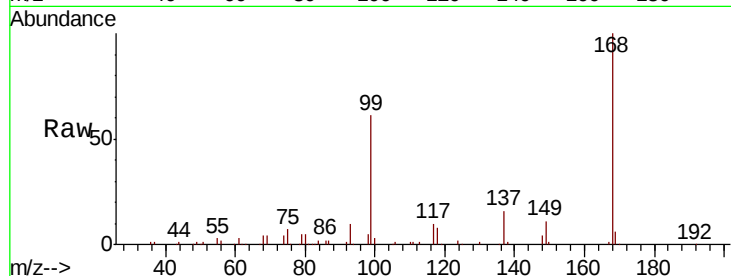




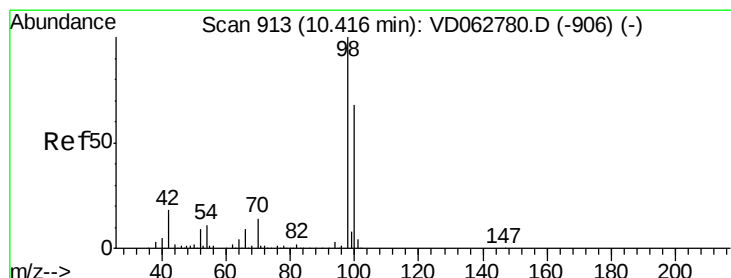
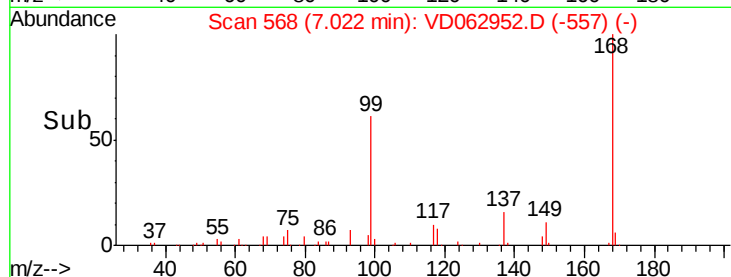
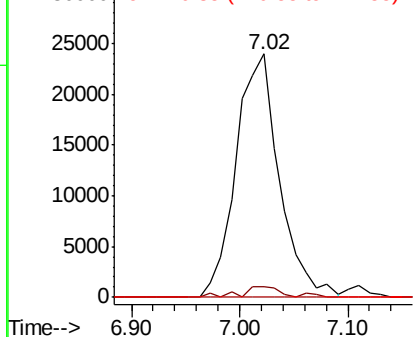
#38
Carbon Tetrachloride
Concen: 4.762 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 66528
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 22.3 33.5#

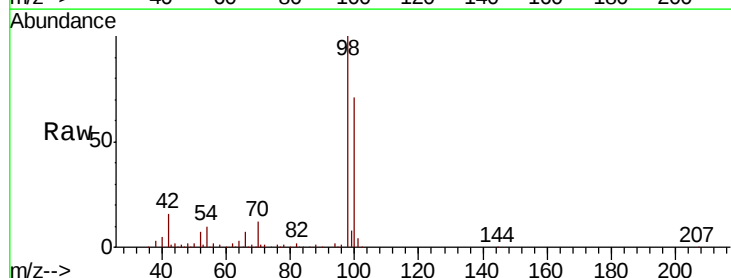


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

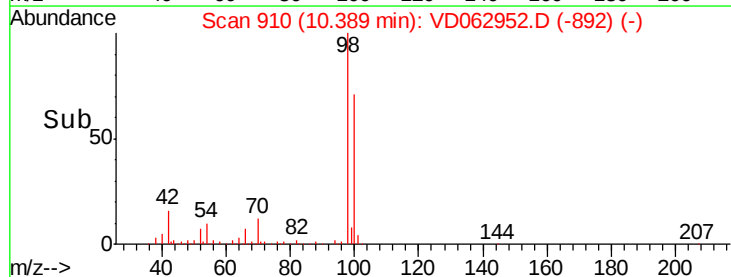
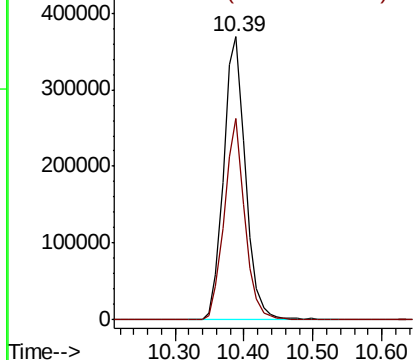


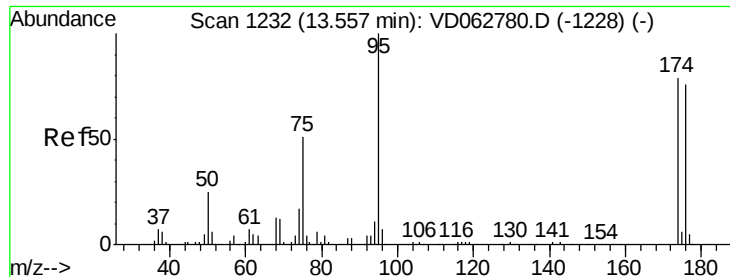
#50
Toluene-d8
Concen: 45.001 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062952.D
Acq: 28 Jun 2019 3:22

Tgt Ion: 98 Resp: 810329
Ion Ratio Lower Upper
98 100
100 71.2 54.7 82.1



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





#62

4-Bromofluorobenzene

Concen: 37.205 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062952.D

Acq: 28 Jun 2019 3:22

Instrument :

MSVOA_D

ClientSampleId :

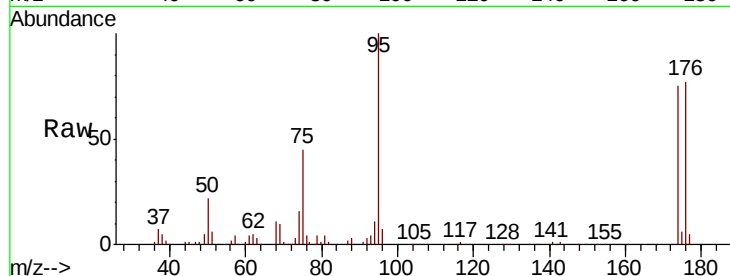
Tot Ion: 95 Resp: 304628

Ion Ratio Lower Upper

95 100

174 74.8 0.0 158.0

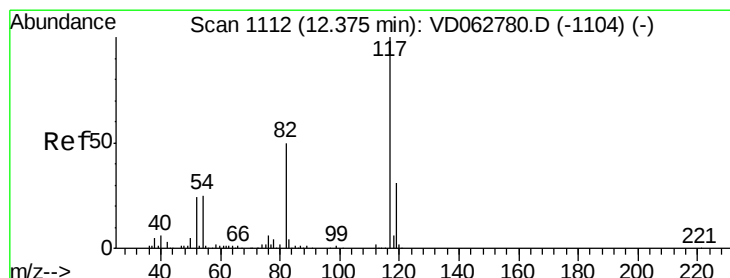
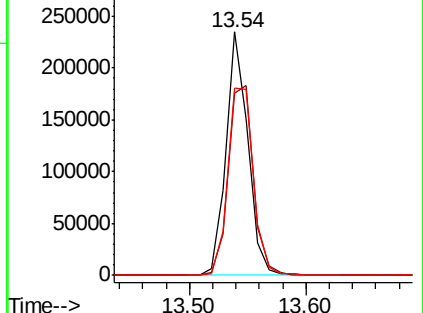
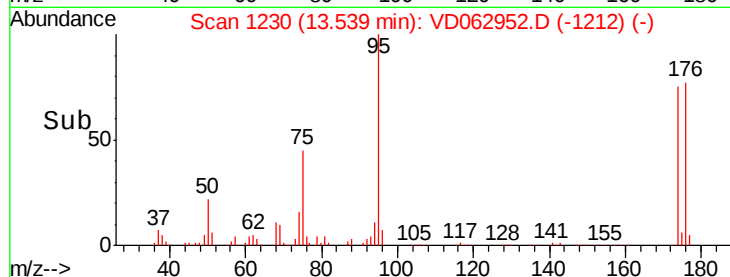
176 76.7 0.0 151.6



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: 12.35 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VD062952.D

Acq: 28 Jun 2019 3:22

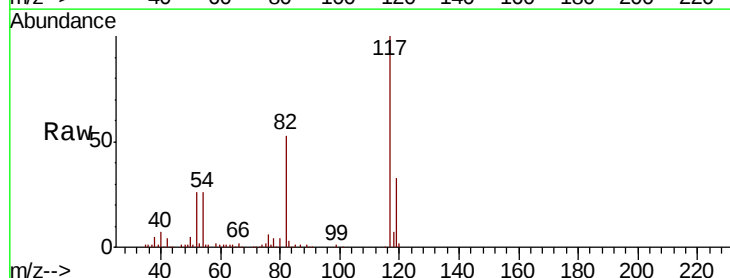
Tgt Ion: 117 Resp: 681780

Ion Ratio Lower Upper

117 100

82 53.2 40.4 60.6

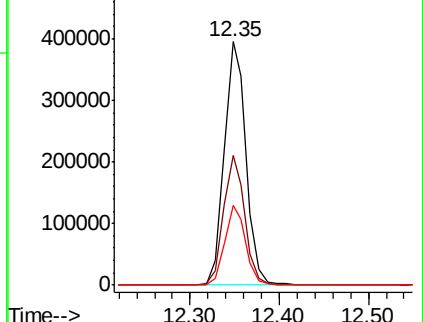
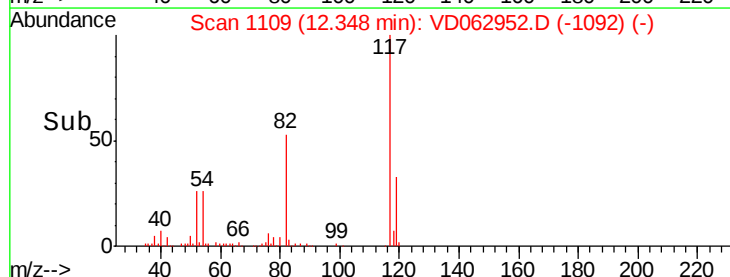
119 32.7 25.2 37.8

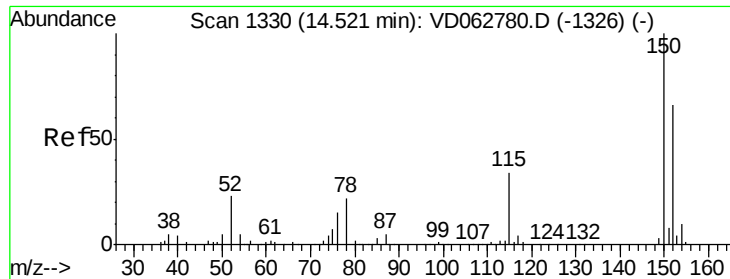


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062952.D

Acq: 28 Jun 2019 3:22

Instrument :

MSVOA_D

ClientSampleId :

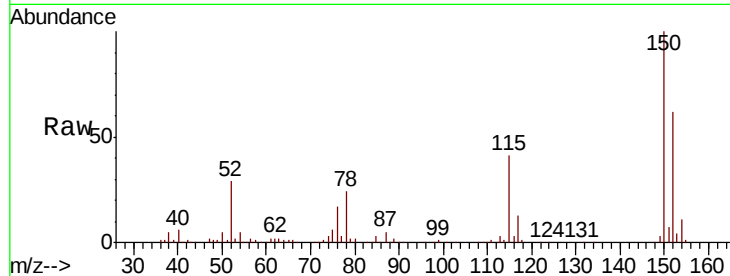
Tot Ion:152 Resp: 259381

Ion Ratio Lower Upper

152 100

115 65.7 29.2 87.6

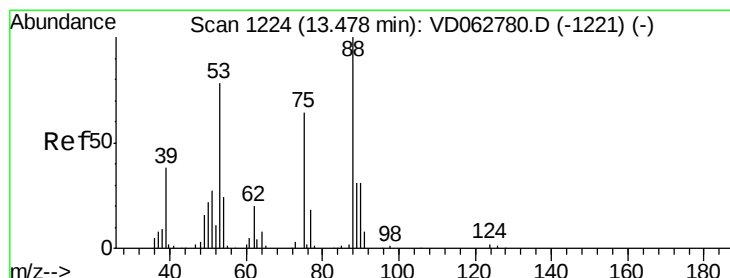
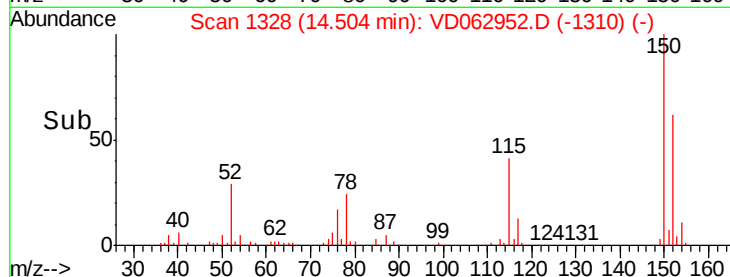
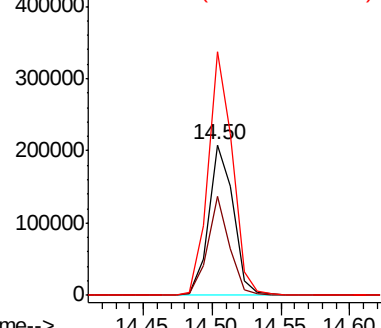
150 162.1 0.0 305.8



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: 182.715 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062952.D

Acq: 28 Jun 2019 3:22

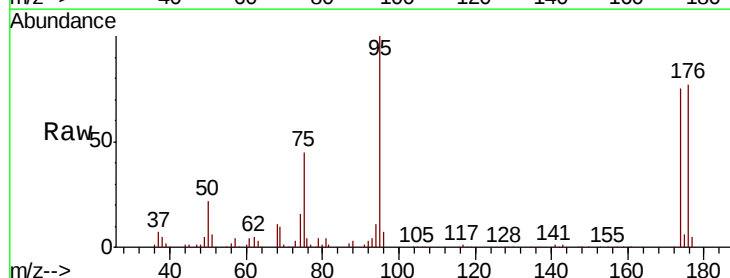
Tgt Ion: 75 Resp: 143391

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

