

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062968.D
 Acq On : 28 Jun 2019 16:13
 Operator : VA/AP
 Sample : K3163-13
 Misc : 5.92g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-062719-A

Quant Time: Jun 29 00:15:44 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

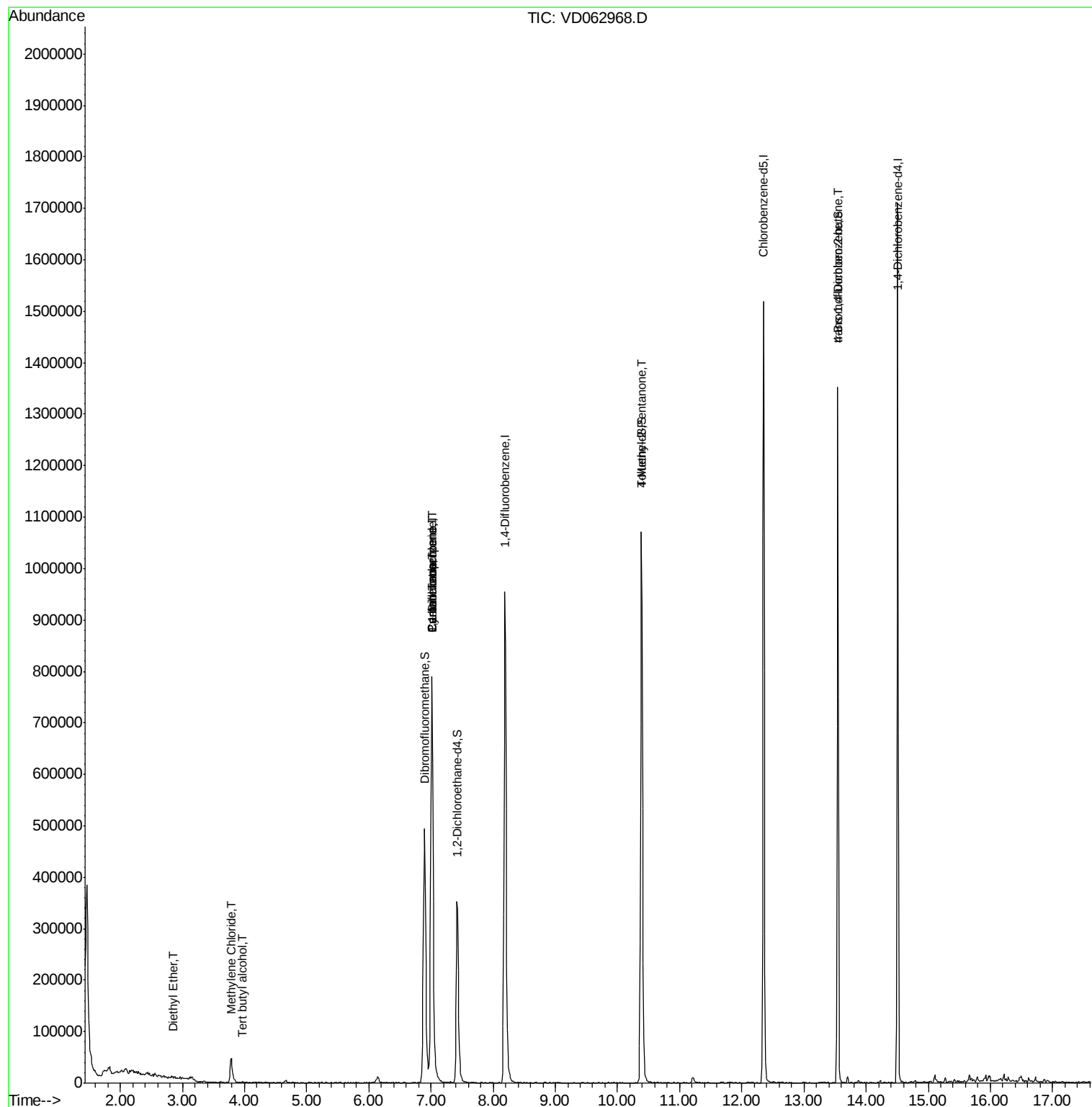
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	736168	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	968599	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	749458	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	336504	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	418442	52.29	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.58%	
35) Dibromofluoromethane	6.90	113	429938	52.64	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.28%	
50) Toluene-d8	10.38	98	828046	46.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.16%	
62) 4-Bromofluorobenzene	13.54	95	337067	41.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.85	74	1906	1.043	ug/l	72
11) Tert butyl alcohol	3.97	59	1044	2.865	ug/l #	77
16) Acetone	3.20	43	8708	Below Cal	#	91
20) Methylene Chloride	3.79	84	28025	4.592	ug/l #	81
31) Cyclohexane	7.02	56	16887	2.247	ug/l #	16
36) 1,1-Dichloropropene	7.01	75	57418	6.262	ug/l #	52
37) Ethyl Acetate	6.15	43	451	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	74784	5.423	ug/l #	15
51) 4-Methyl-2-Pentanone	10.38	43	4804	1.410	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	173440	170.353	ug/l #	2

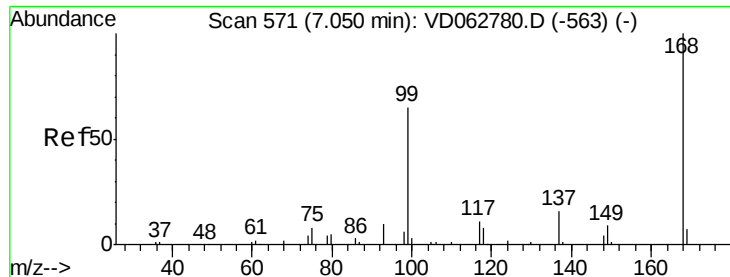
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062968.D

Acq: 28 Jun 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

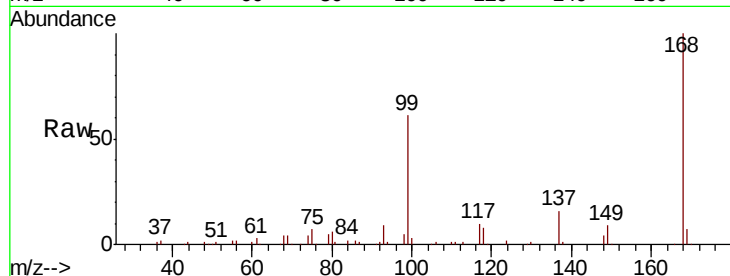
SU-01-062719-A

Tot Ion:168 Resp: 736168

Ion Ratio Lower Upper

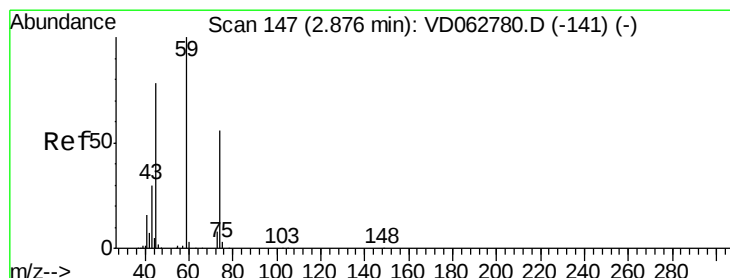
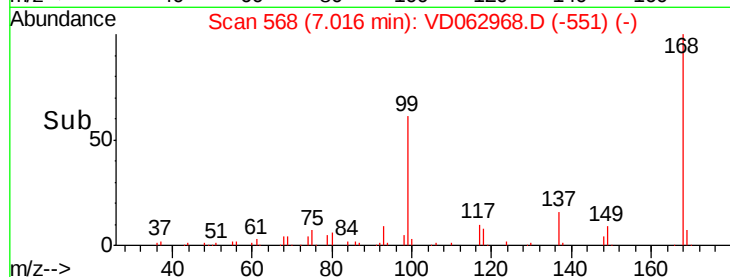
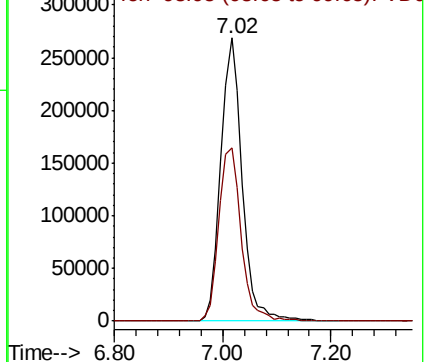
168 100

99 61.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.043 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD062968.D

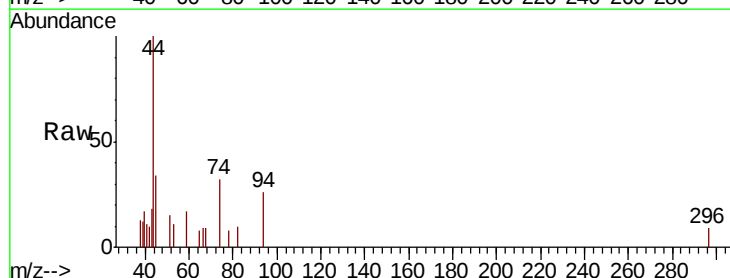
Acq: 28 Jun 2019 16:13

Tgt Ion: 74 Resp: 1906

Ion Ratio Lower Upper

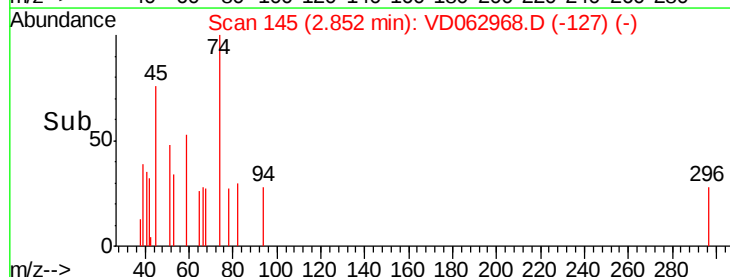
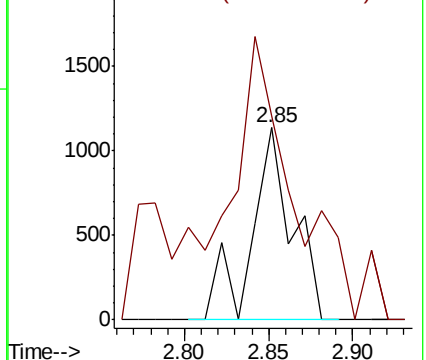
74 100

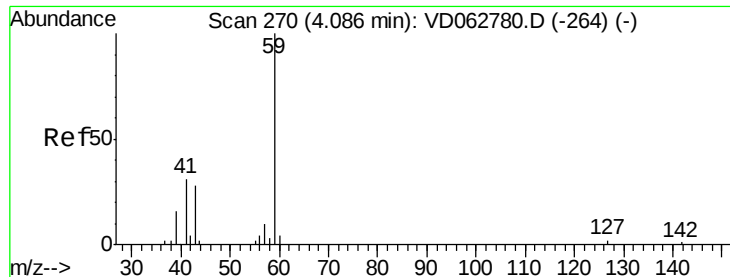
45 106.5 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

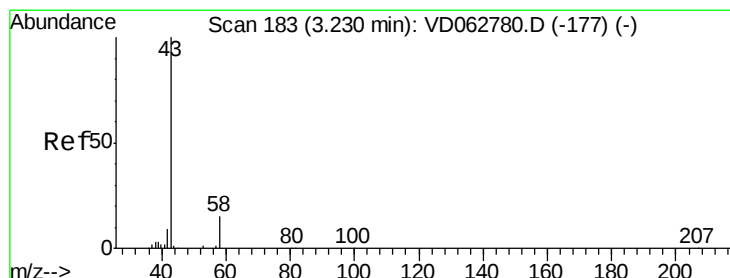
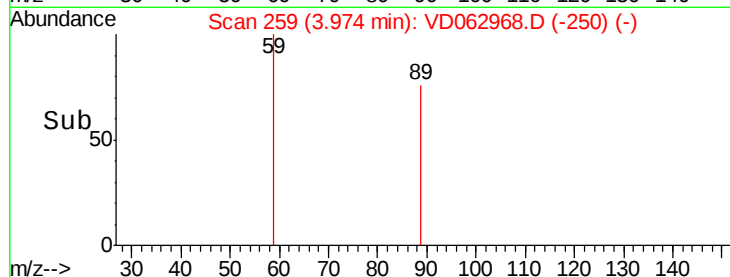
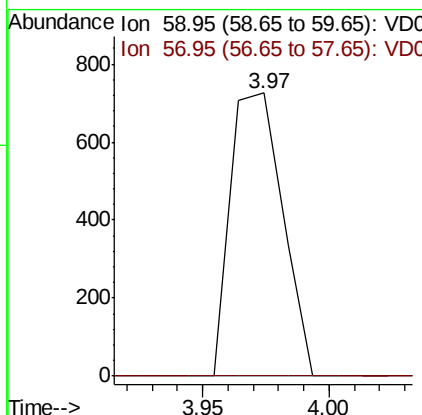
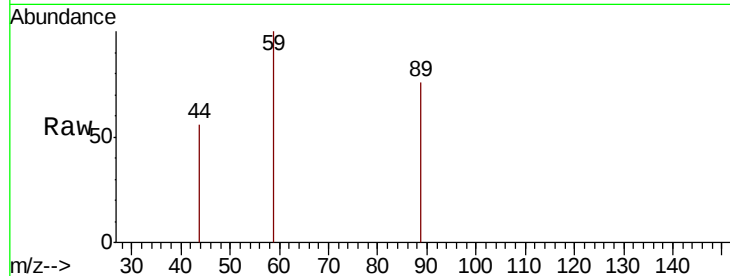




#11
Tert butyl alcohol
Concen: 2.865 ug/l
RT: 3.97 min Scan# 259
Delta R.T. -0.11 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

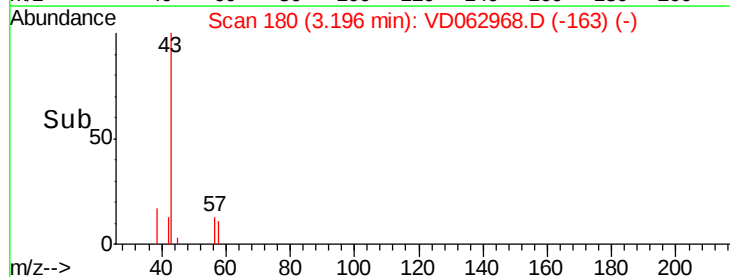
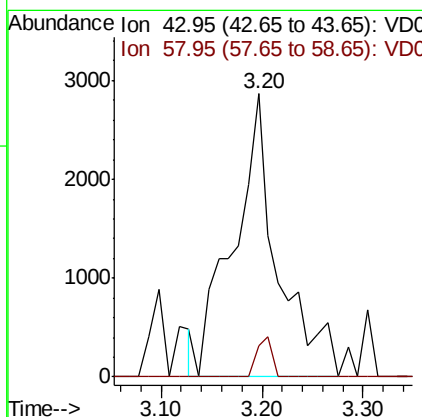
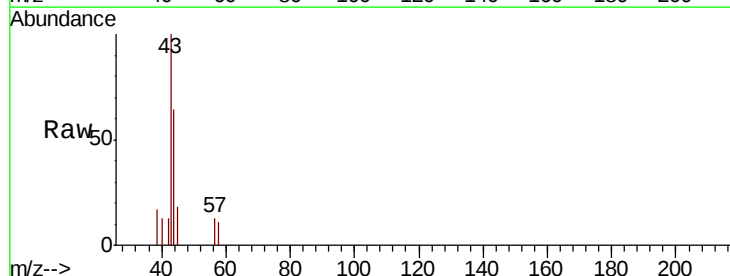
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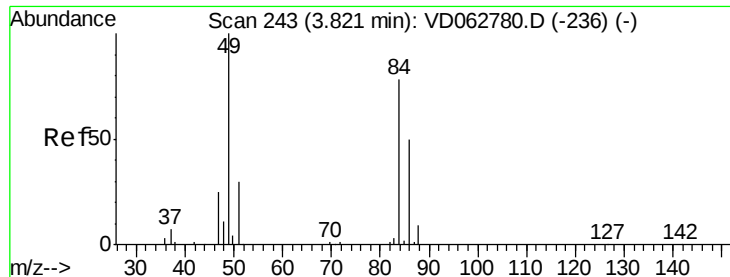
Tot Ion: 59 Resp: 1044
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#16
Acetone
Concen: Below Cal
RT: 3.20 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Tgt Ion: 43 Resp: 8708
Ion Ratio Lower Upper
43 100
58 11.2 11.9 17.9#

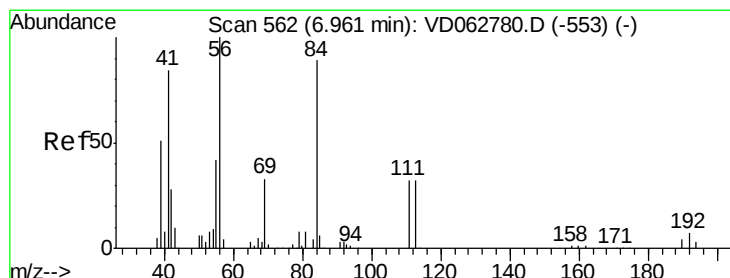
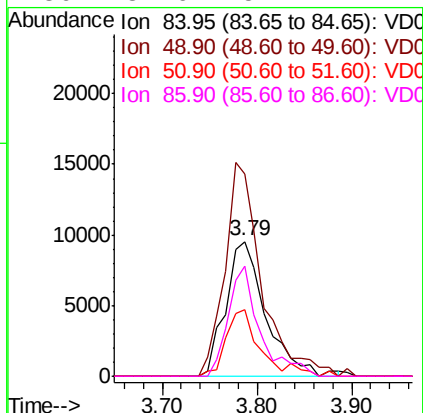
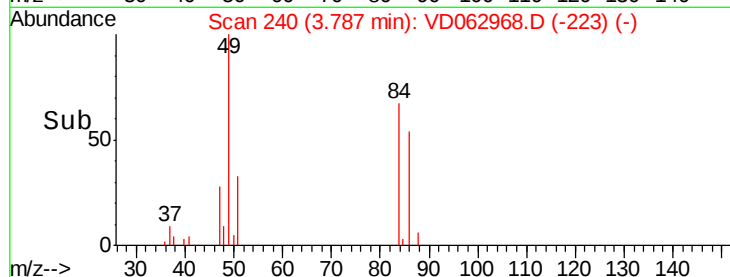
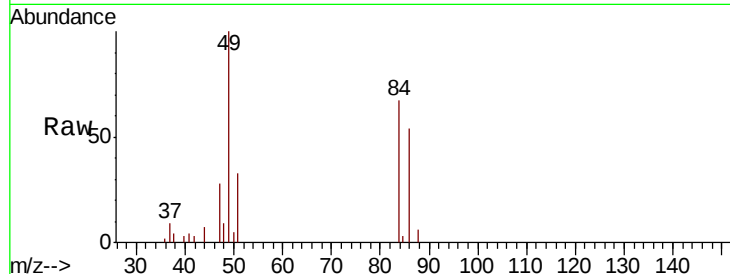




#20
Methylene Chloride
Concen: 4.592 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

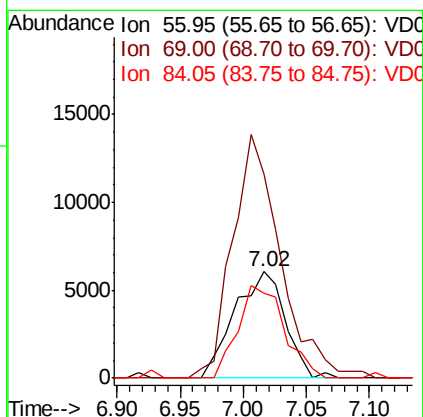
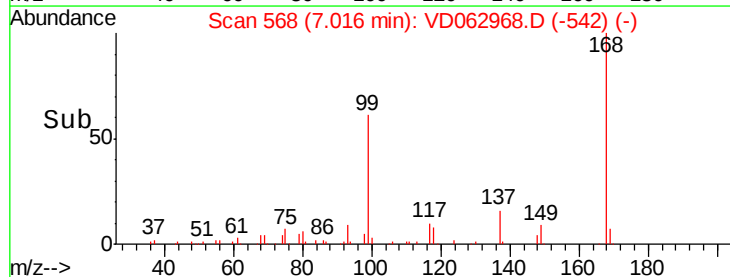
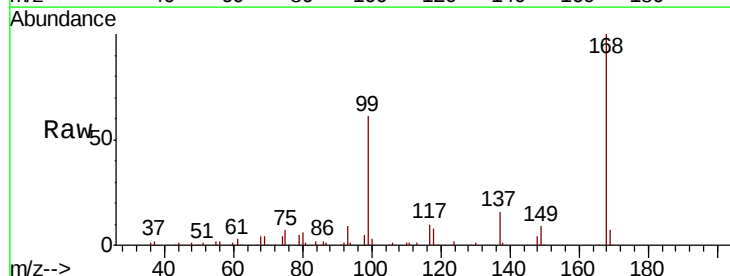
Instrument :
MSVOA_D
ClientSampleId :
SU-01-062719-A

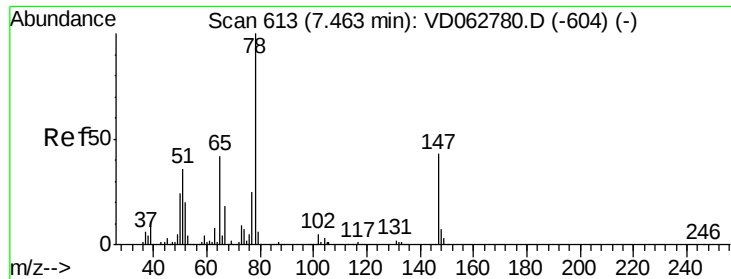
Tot Ion: 84 Resp: 28025
Ion Ratio Lower Upper
84 100
49 150.1 102.9 154.3
51 49.0 31.2 46.8#
86 81.6 51.4 77.2#



#31
Cyclohexane
Concen: 2.247 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Tgt Ion: 56 Resp: 16887
Ion Ratio Lower Upper
56 100
69 191.2 26.6 39.8#
84 79.7 75.5 113.3

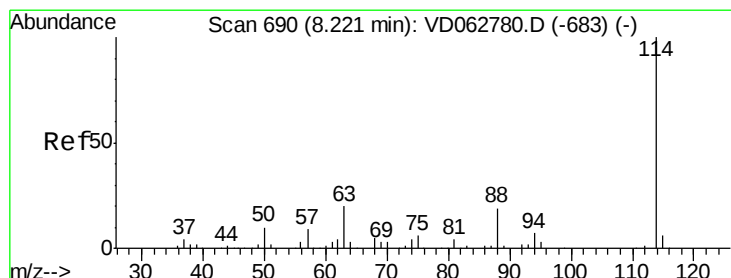
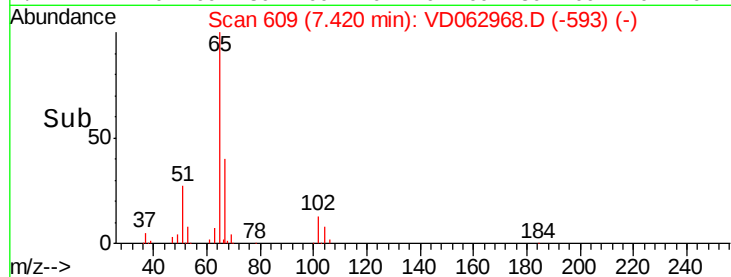
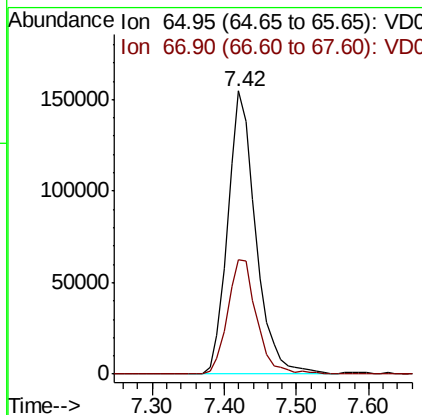
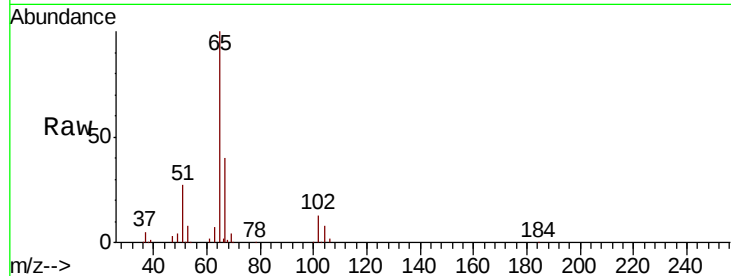




#33
 1,2-Dichloroethane-d4
 Concen: 52.292 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062968.D
 Acq: 28 Jun 2019 16:13

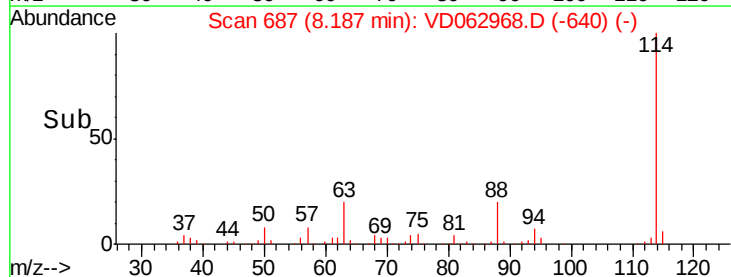
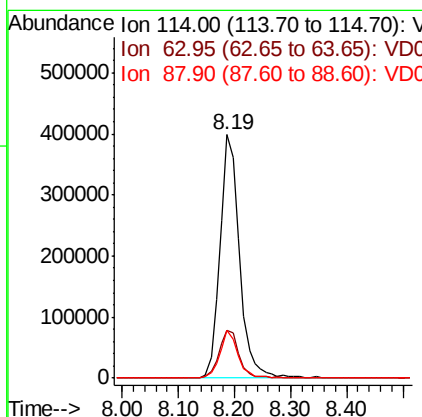
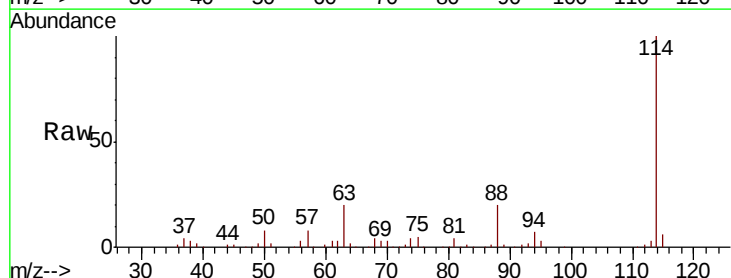
Instrument :
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 ClientSampleId :
 SU-01-062719-A

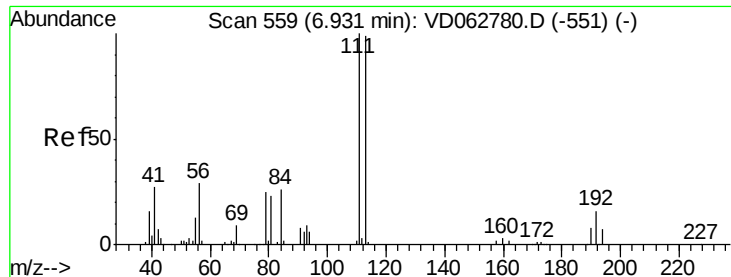
Tot Ion: 65 Resp: 418442
 Ion Ratio Lower Upper
 65 100
 67 40.4 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062968.D
 Acq: 28 Jun 2019 16:13

Tgt Ion: 114 Resp: 968599
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 19.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 52.642 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062968.D

Acq: 28 Jun 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

SU-01-062719-A

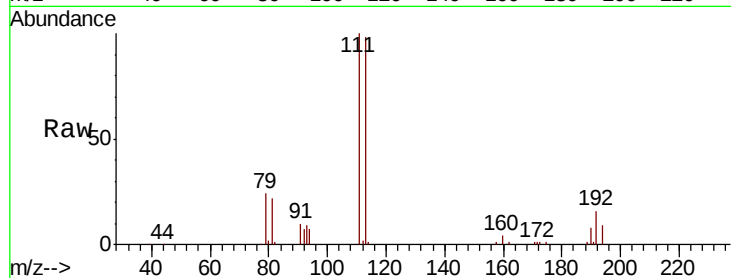
Tot Ion:113 Resp: 429938

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

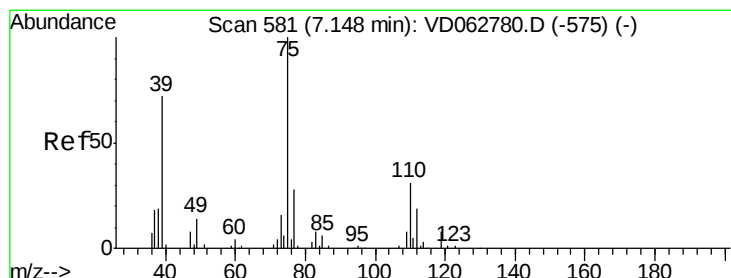
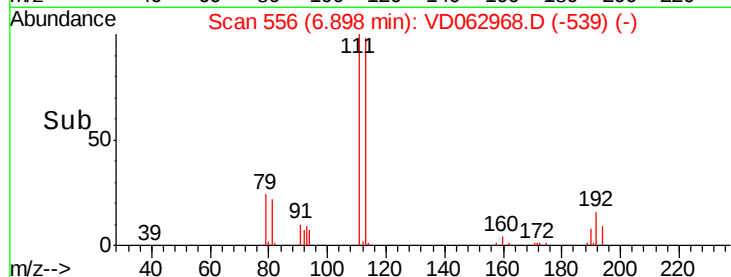
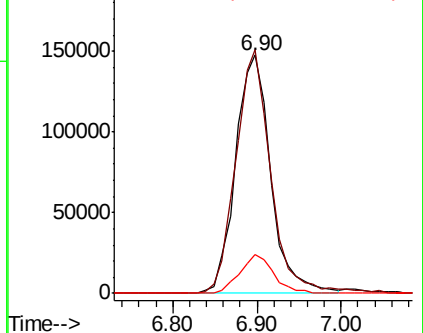
192 16.1 12.9 19.3



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: 6.262 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062968.D

Acq: 28 Jun 2019 16:13

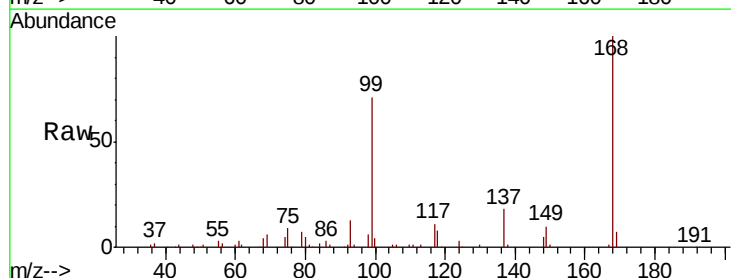
Tgt Ion: 75 Resp: 57418

Ion Ratio Lower Upper

75 100

110 6.1 15.0 45.1#

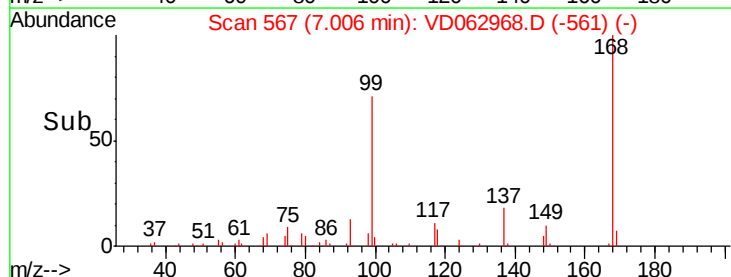
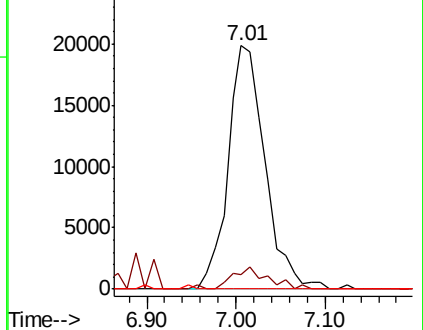
77 0.0 22.2 33.2#

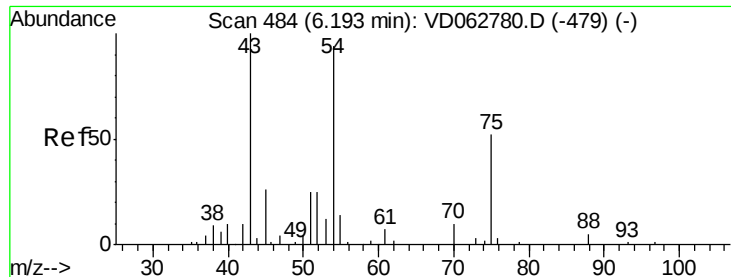


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

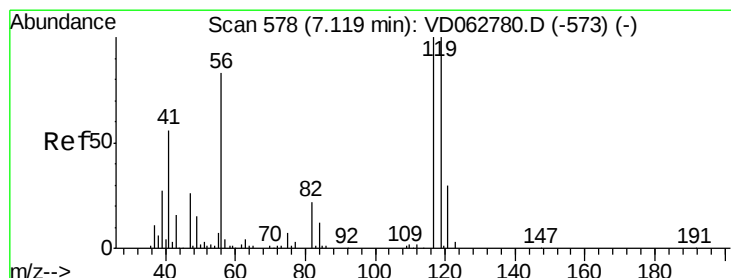
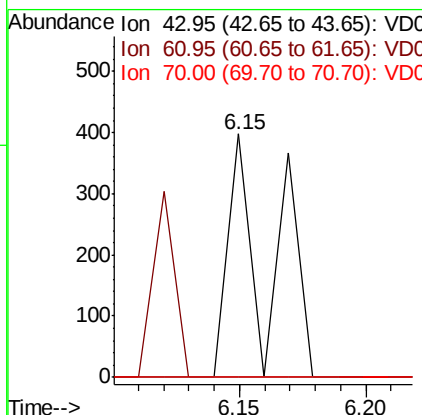
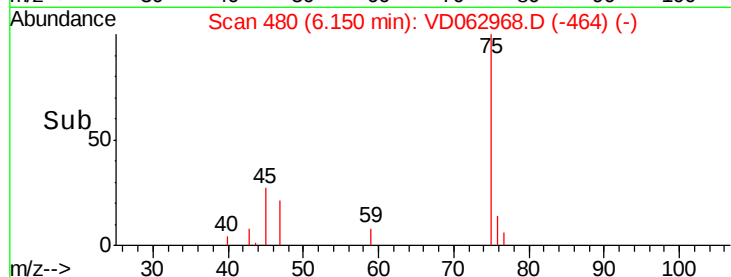
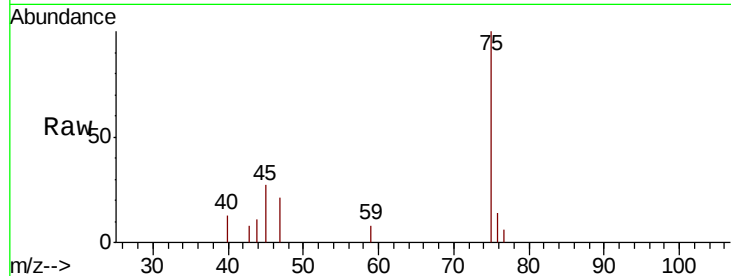




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

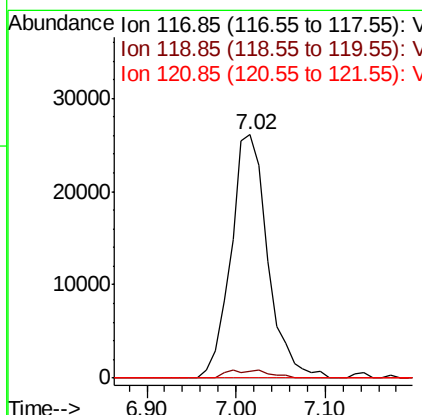
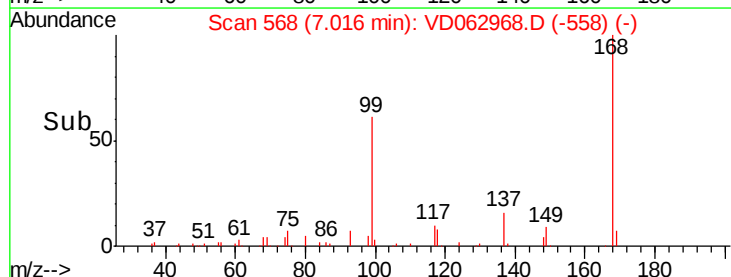
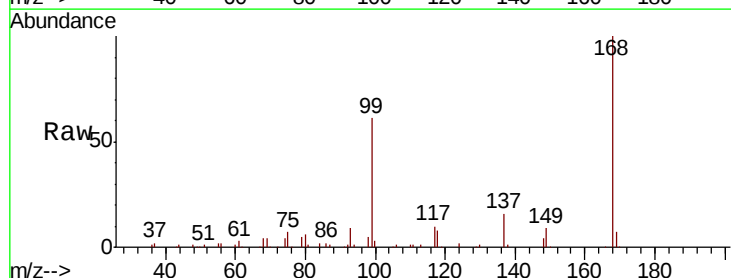
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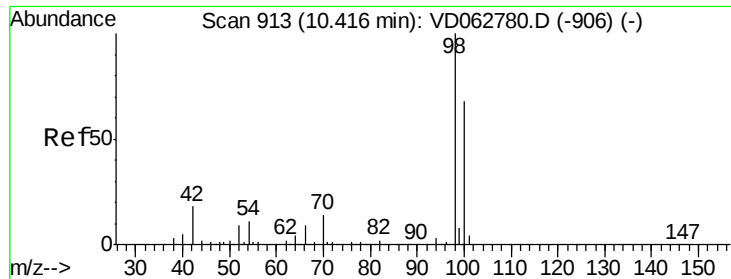
Tot Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Tgt Ion: 117 Resp: 74784
Ion Ratio Lower Upper
117 100
119 2.8 75.4 113.2#
121 0.0 22.3 33.5#

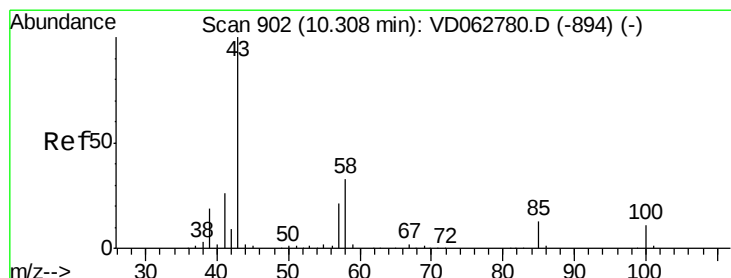
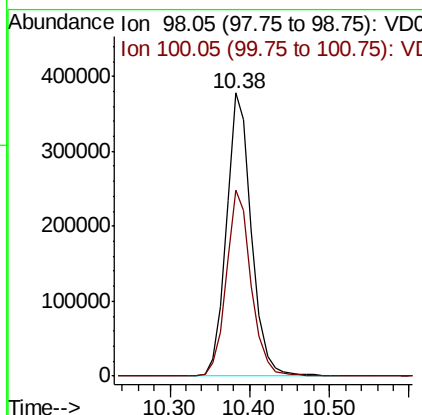
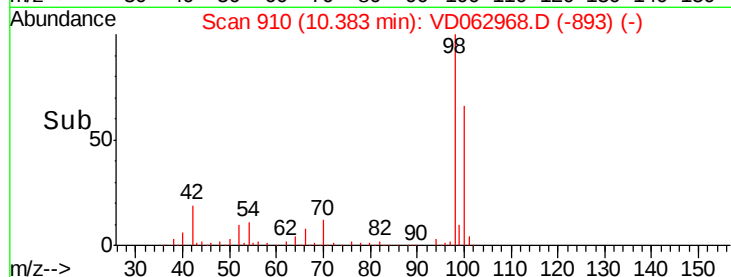
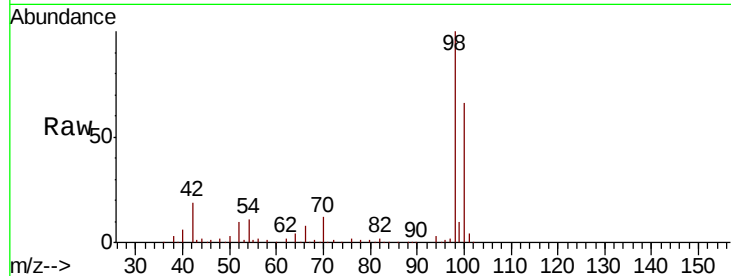




#50
Toluene-d8
Concen: 46.583 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

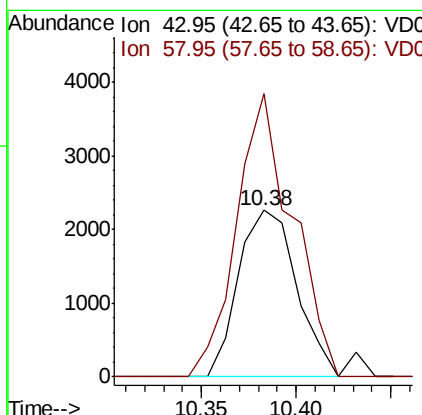
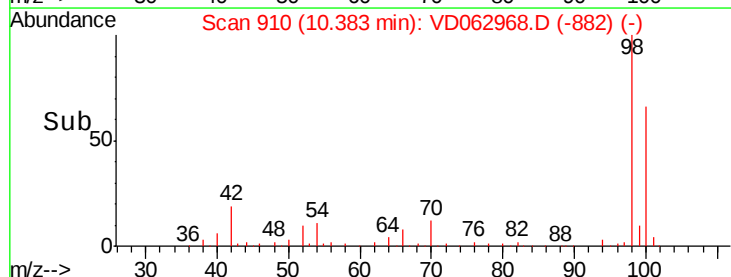
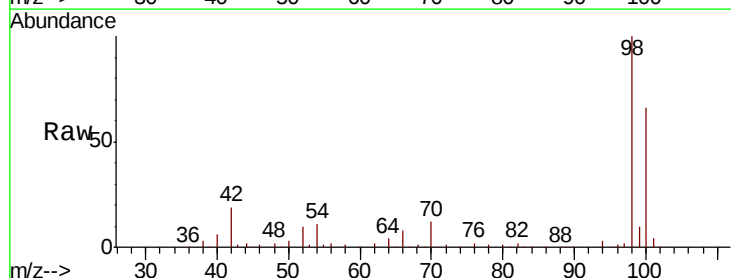
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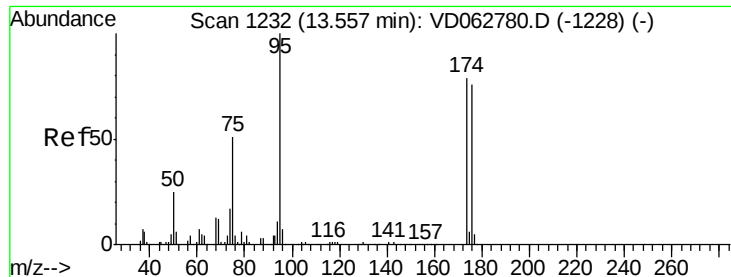
Tot Ion: 98 Resp: 828046
Ion Ratio Lower Upper
98 100
100 65.7 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.07 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
58 170.1 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 41.702 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062968.D

Acq: 28 Jun 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

SU-01-062719-A

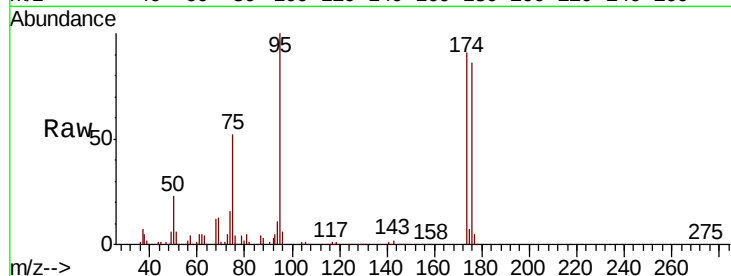
Tot Ion: 95 Resp: 337067

Ion Ratio Lower Upper

95 100

174 90.6 0.0 158.0

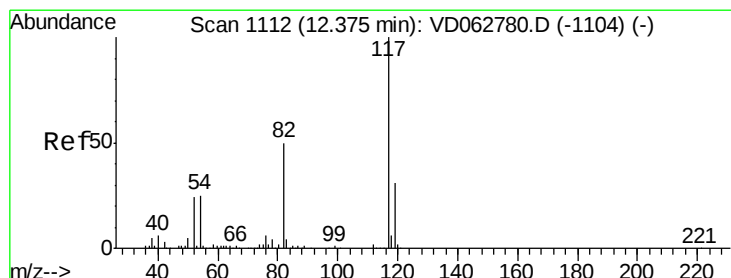
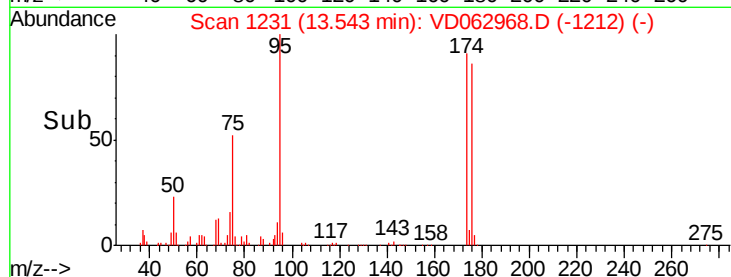
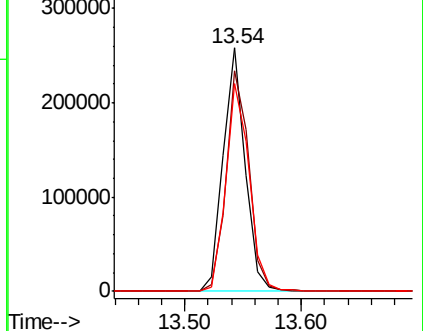
176 85.5 0.0 151.6



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# 1110

Delta R.T. -0.02 min

Lab File: VD062968.D

Acq: 28 Jun 2019 16:13

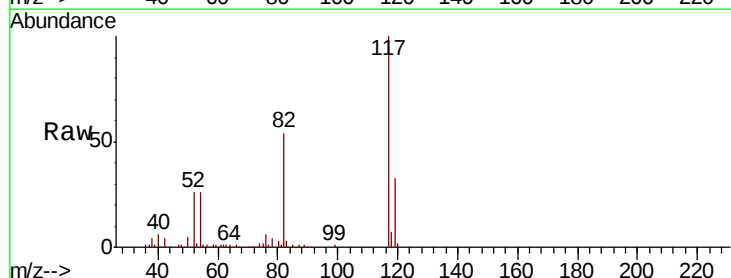
Tgt Ion: 117 Resp: 749458

Ion Ratio Lower Upper

117 100

82 53.8 40.4 60.6

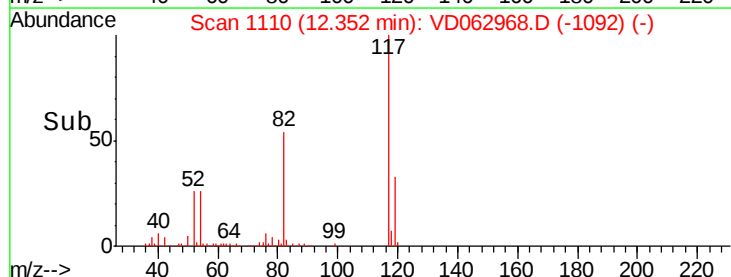
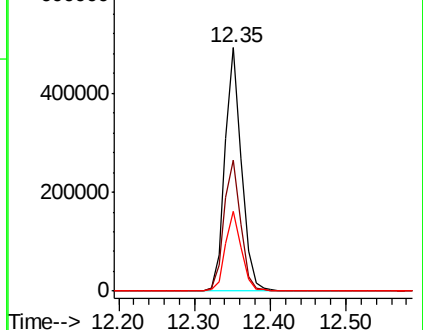
119 33.0 25.2 37.8

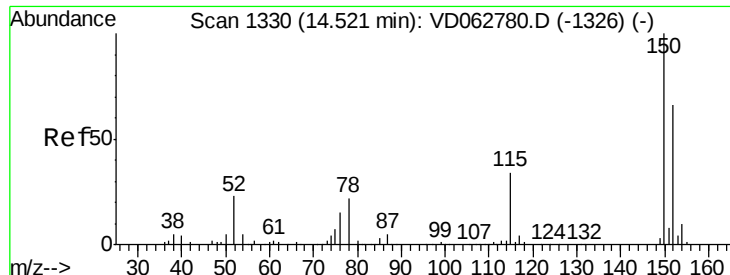


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



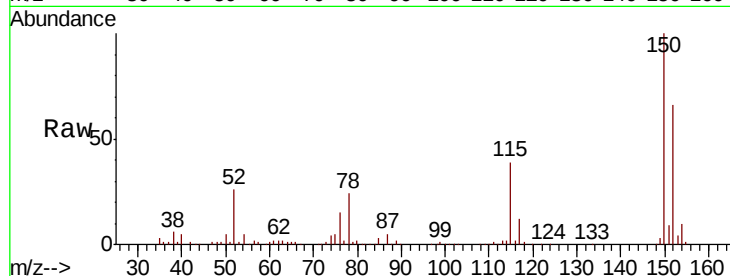


#72

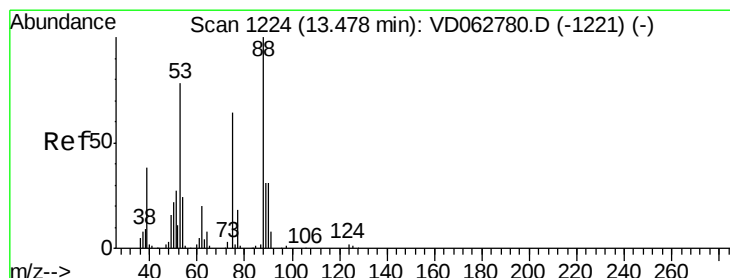
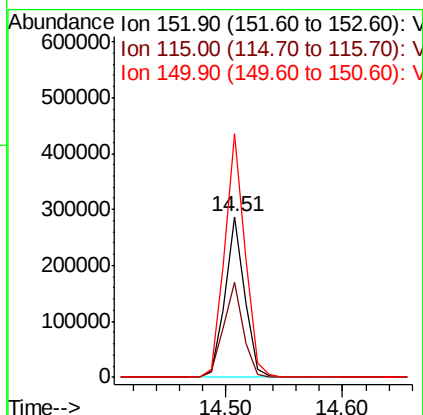
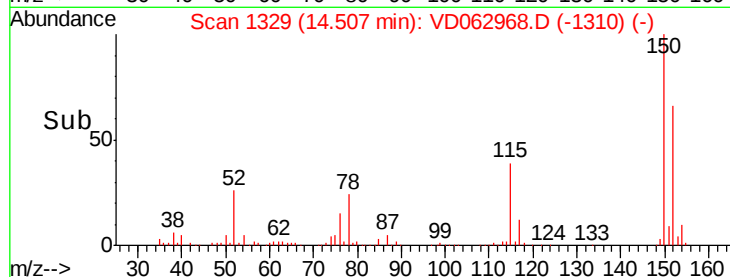
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Instrument :
MSVOA_D
ClientSampleId :
SU-01-062719-A

Tot Ion:152 Resp: 336504
Ion Ratio Lower Upper
152 100
115 59.4 29.2 87.6
150 151.4 0.0 305.8



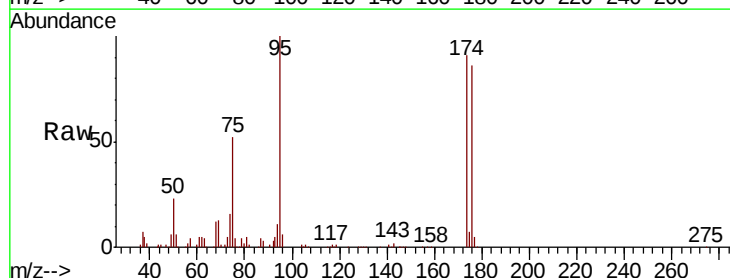
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 170.353 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062968.D
Acq: 28 Jun 2019 16:13

Tgt Ion: 75 Resp: 173440
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

