

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063620.D
 Acq On : 15 Aug 2019 21:55
 Operator : JC/SY
 Sample : K4355-01
 Misc : 5.42g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200057-200054

Quant Time: Aug 16 01:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	832470	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1100383	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	890074	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	446545	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	526498	59.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	118.34%	
35) Dibromofluoromethane	6.92	113	597023	64.42	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	128.84%	
50) Toluene-d8	10.40	98	1204768	59.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.26%	
62) 4-Bromofluorobenzene	13.55	95	530960	57.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.00%	

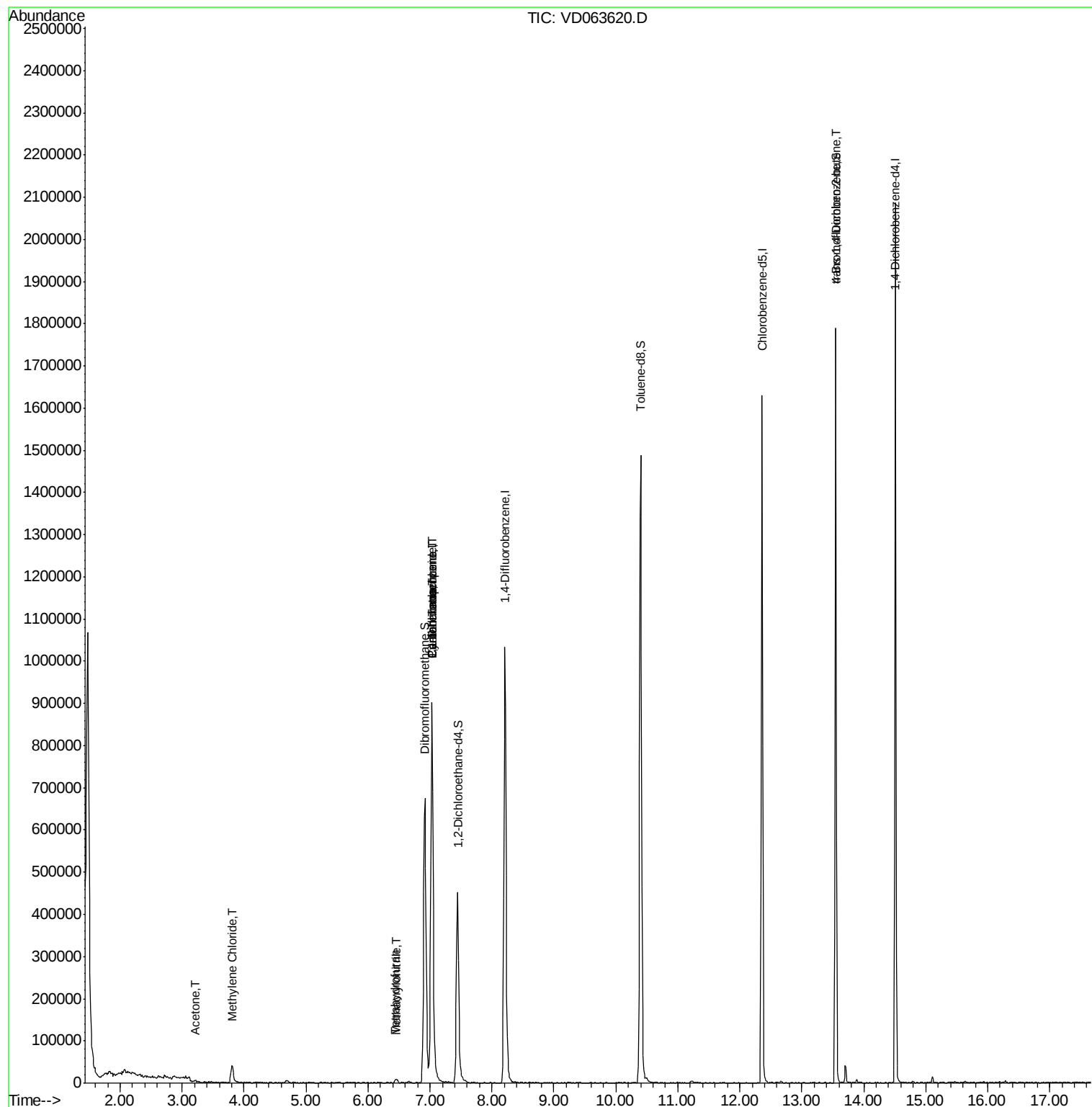
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	5957	3.293	ug/l #	89
20) Methylene Chloride	3.80	84	24242	3.099	ug/l	87
29) Tetrahydrofuran	6.44	42	6848	8.226	ug/l	95
31) Cyclohexane	7.03	56	16667	2.074	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	58046	5.967	ug/l #	50
38) Carbon Tetrachloride	7.04	117	79653	5.433	ug/l #	18
41) Methacrylonitrile	6.46	41	5237	1.020	ug/l #	77
81) trans-1,4-Dichloro-2-buten	13.54	75	245396	178.155	ug/l #	1

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

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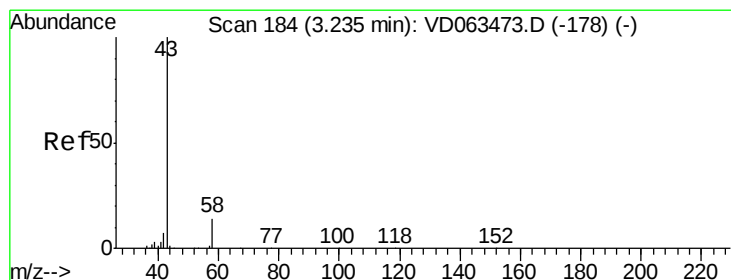
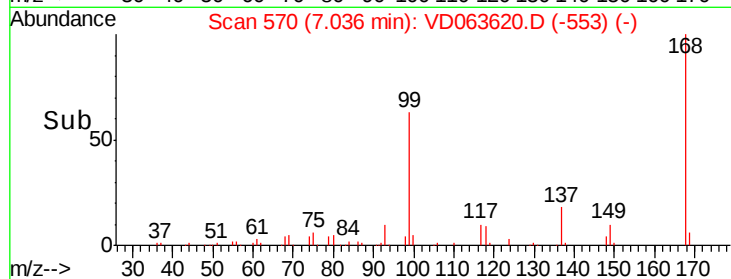
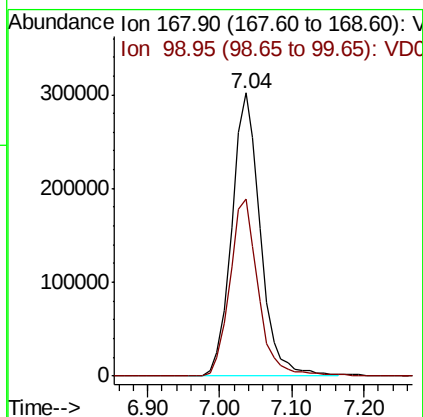
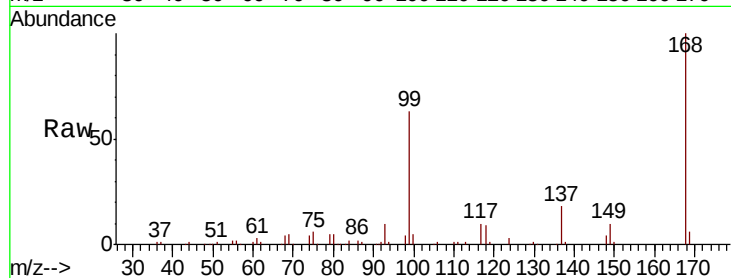




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.03 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

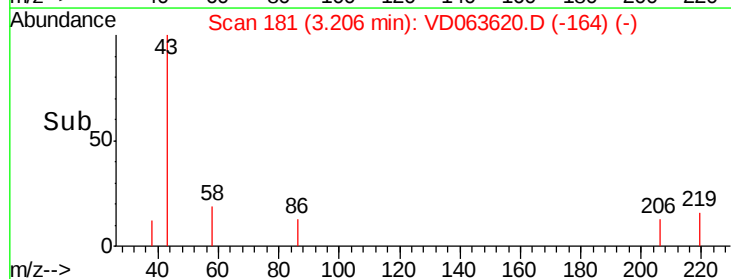
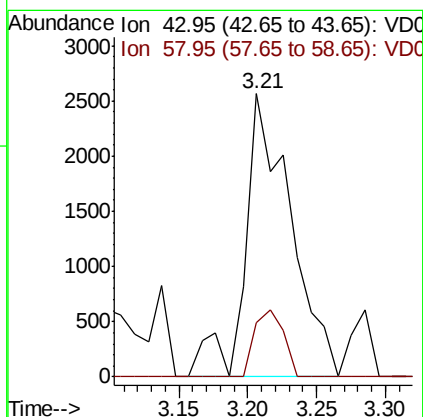
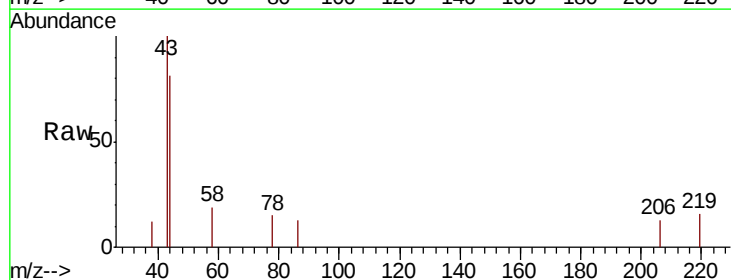
Instrument :
MSVOA_D
ClientSampleId :
RBR-200057-200054

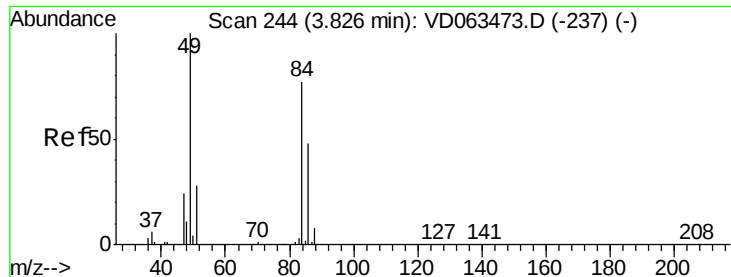
Tgt Ion:168 Resp: 832470
Ion Ratio Lower Upper
168 100
99 62.7 46.7 70.1



#16
Acetone
Concen: 3.293 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

Tgt Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
58 18.9 11.4 17.2#

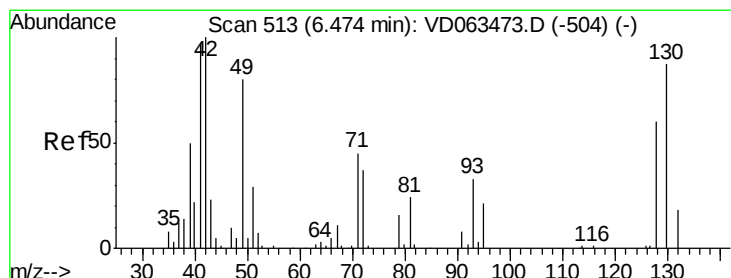
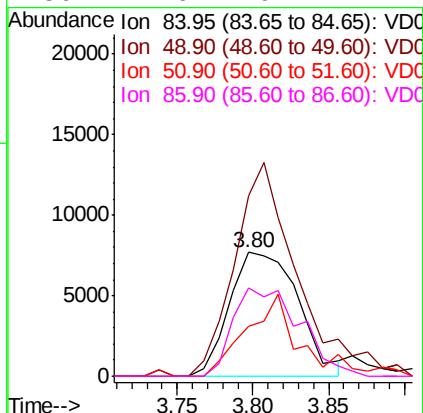
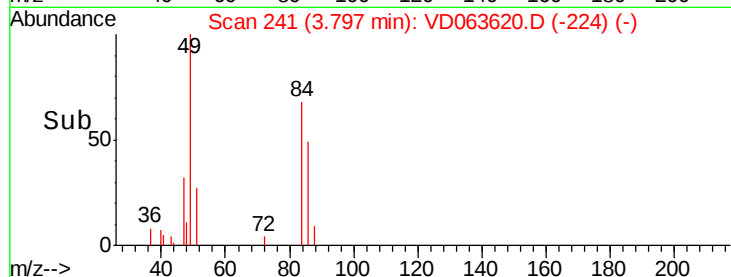
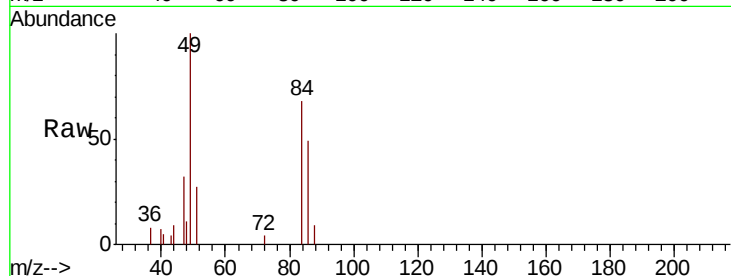




#20
Methylene Chloride
Concen: 3.099 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

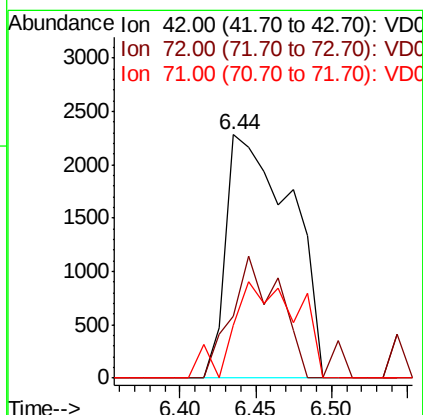
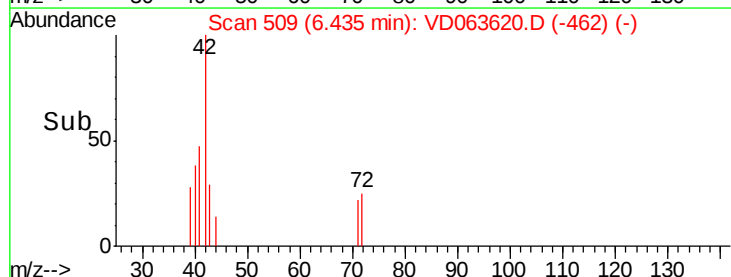
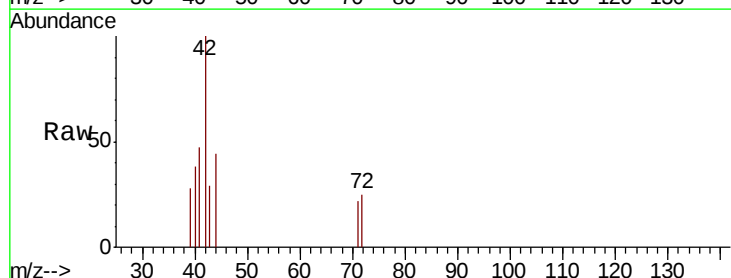
Instrument :
MSVOA_D
ClientSampleId :
RBR-200057-200054

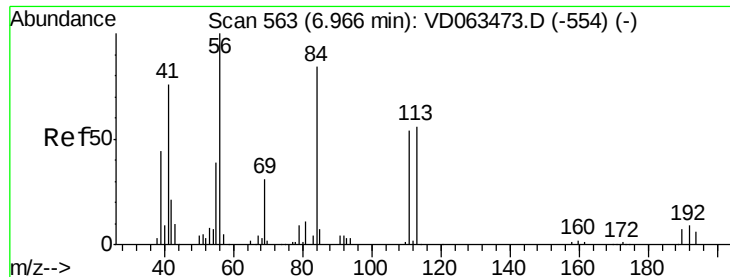
Tgt Ion:	84	Resp:	24242
Ion	Ratio	Lower	Upper
84	100		
49	146.1	103.4	155.2
51	40.0	28.5	42.7
86	71.6	49.4	74.2



#29
Tetrahydrofuran
Concen: 8.226 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.04 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

Tgt Ion:	42	Resp:	6848
Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.5	47.3
71	39.6	33.8	50.8

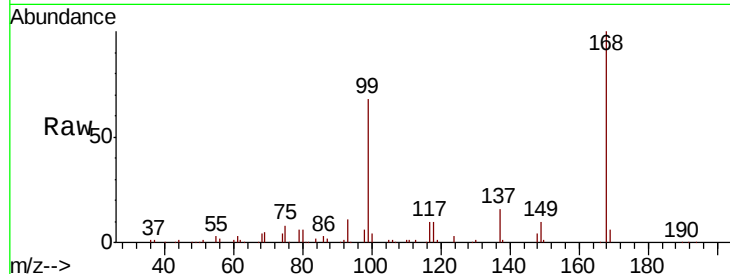




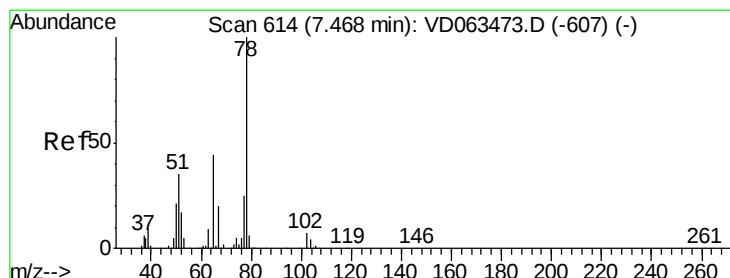
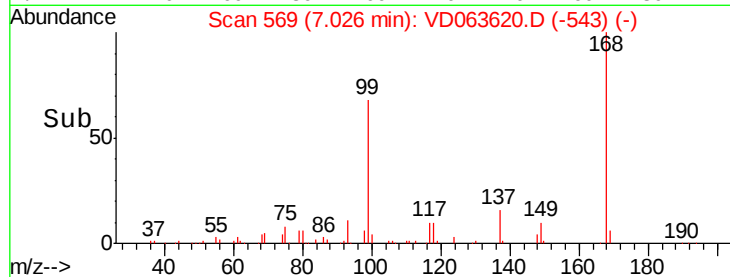
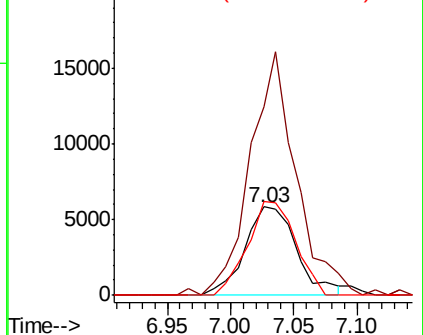
#31
Cyclohexane
Concen: 2.074 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
RBR-200057-200054

Tgt Ion: 56 Resp: 16667
Ion Ratio Lower Upper
56 100
69 213.3 25.0 37.6#
84 106.1 69.7 104.5#

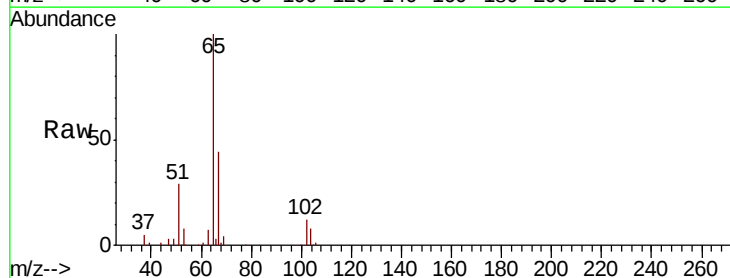


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

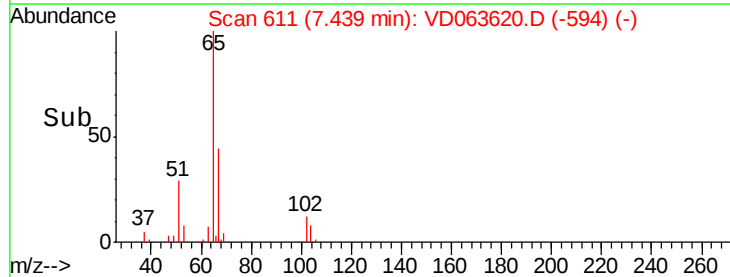
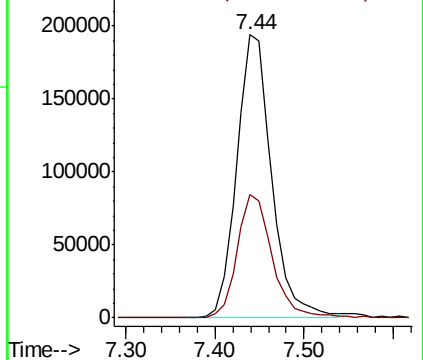


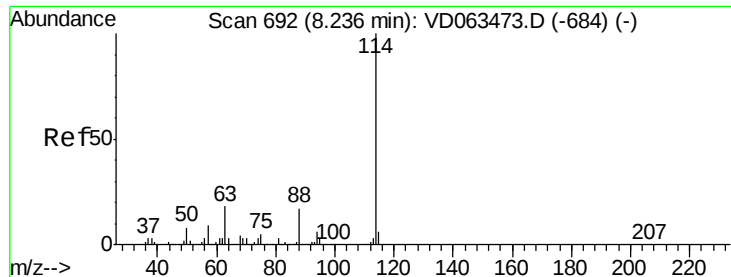
#33
1,2-Dichloroethane-d4
Concen: 59.167 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

Tgt Ion: 65 Resp: 526498
Ion Ratio Lower Upper
65 100
67 43.7 0.0 89.2



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

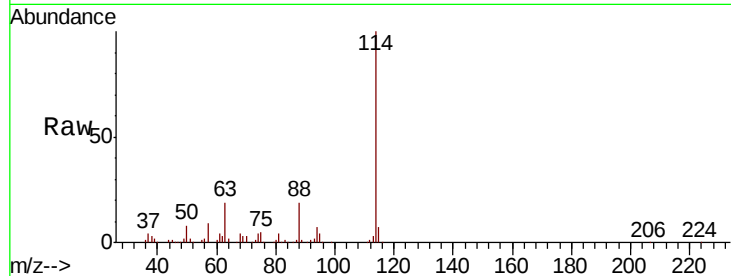




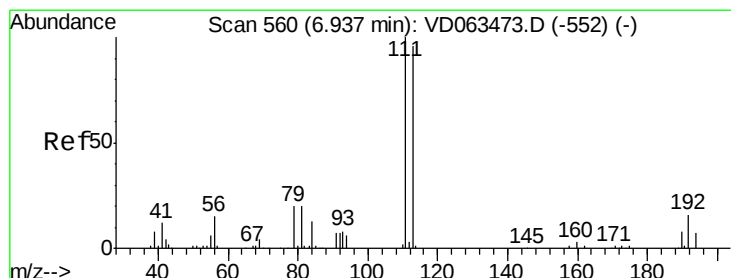
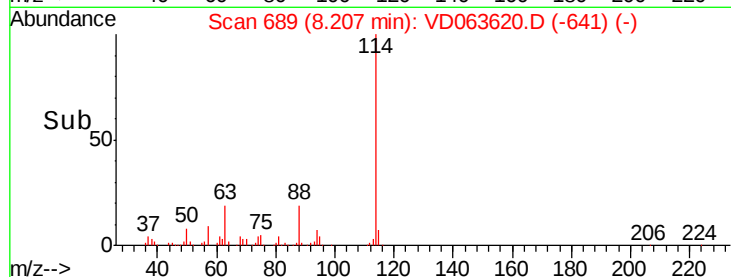
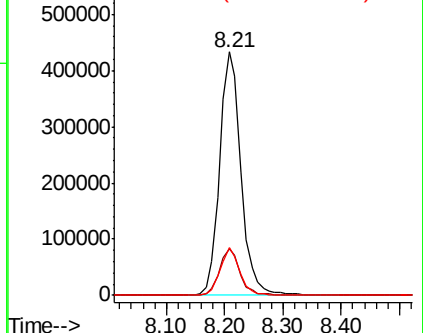
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063620.D
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Tgt Ion:114 Resp: 1100383
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 19.4 0.0 35.0

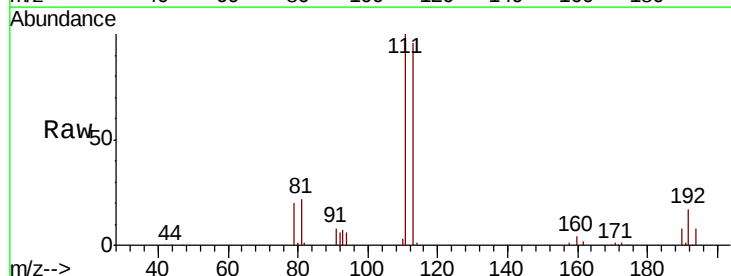


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

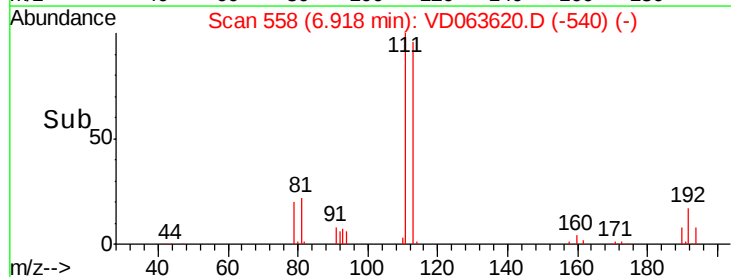
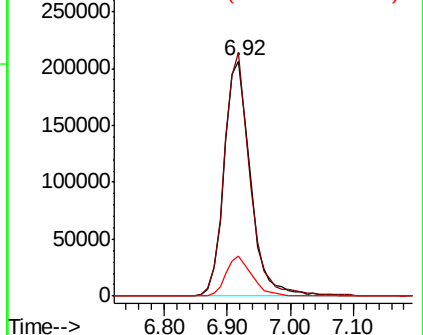


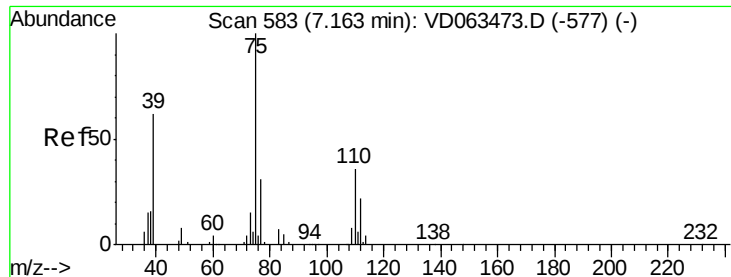
#35
 Dibromofluoromethane
 Concen: 64.421 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063620.D
 Acq: 15 Aug 2019 21:55

Tgt Ion:113 Resp: 597023
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.1 124.7
 192 17.1 13.1 19.7



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: 5.967 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063620.D

Acq: 15 Aug 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

RBR-200057-200054

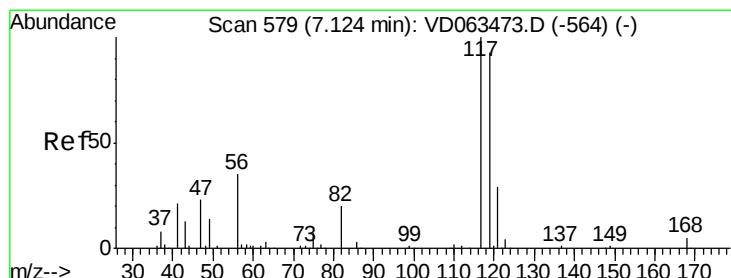
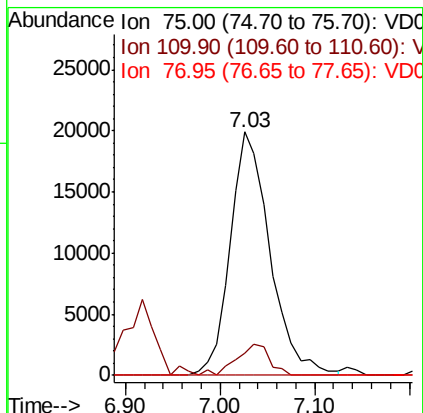
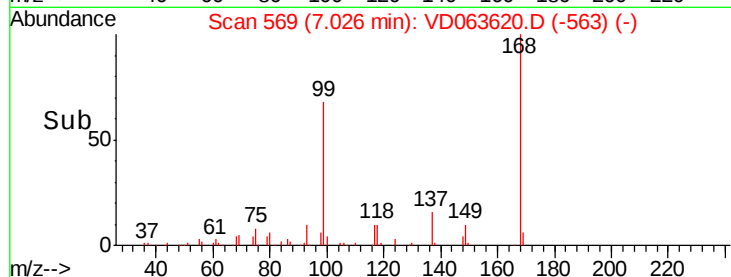
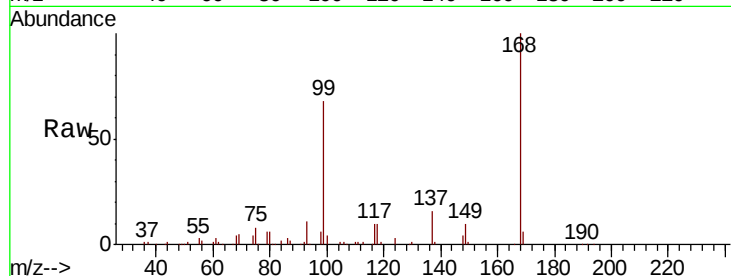
Tgt Ion: 75 Resp: 58046

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.433 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063620.D

Acq: 15 Aug 2019 21:55

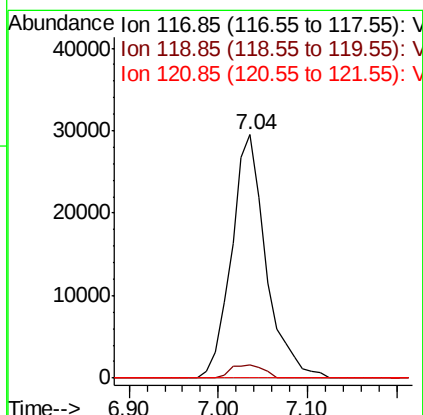
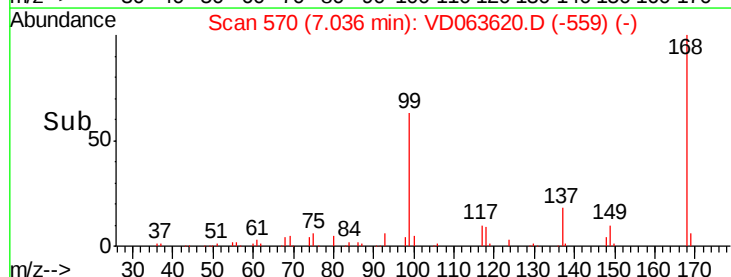
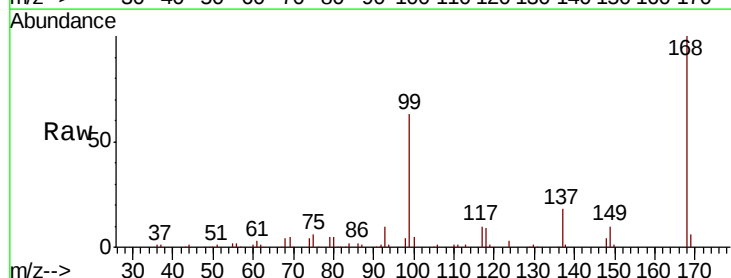
Tgt Ion: 117 Resp: 79653

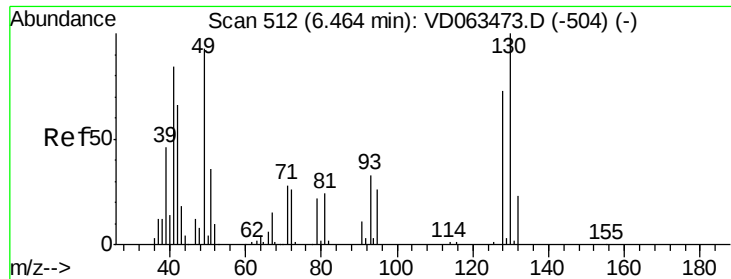
Ion Ratio Lower Upper

117 100

119 5.6 74.2 111.2#

121 0.0 23.1 34.7#





#41

Methacrylonitrile

Concen: 1.020 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063620.D

Acq: 15 Aug 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

RBR-200057-200054

Tgt Ion: 41 Resp: 5237

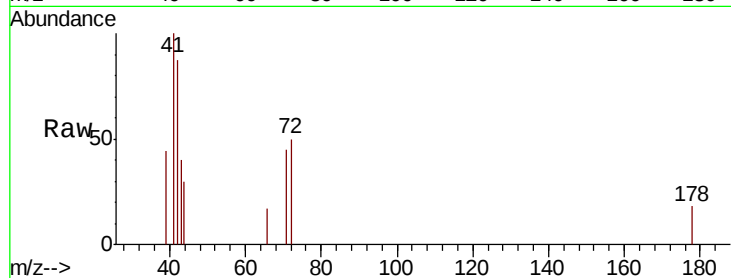
Ion Ratio Lower Upper

41 100

39 44.4 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

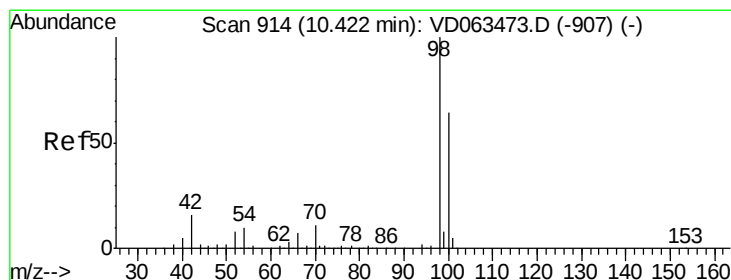
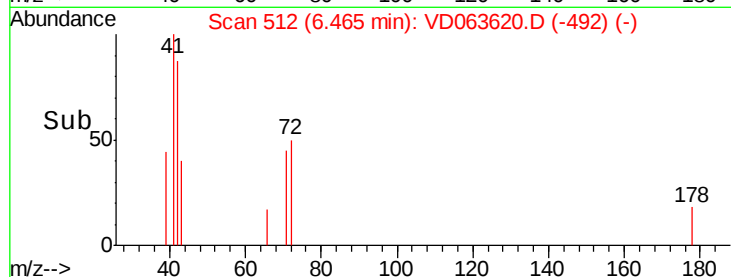
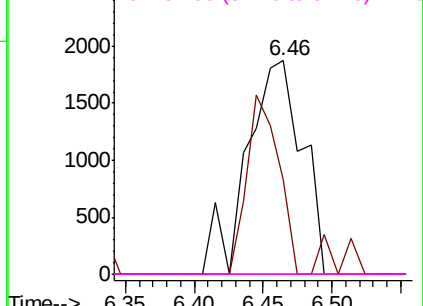


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 59.130 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063620.D

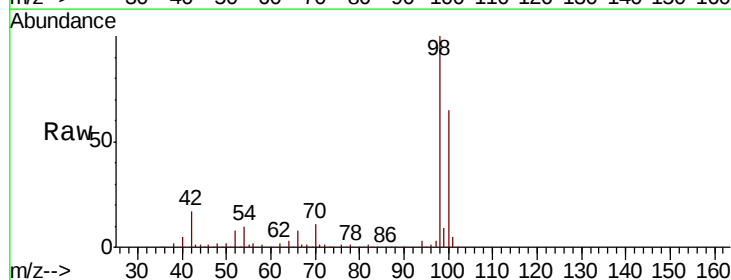
Acq: 15 Aug 2019 21:55

Tgt Ion: 98 Resp: 1204768

Ion Ratio Lower Upper

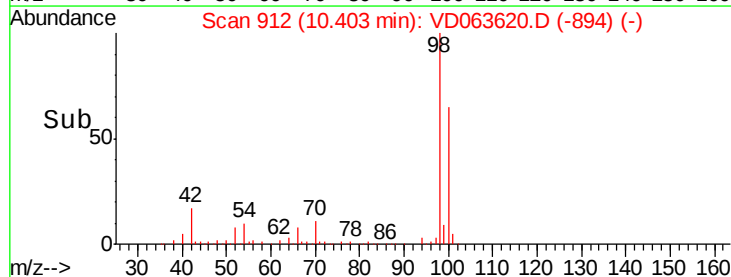
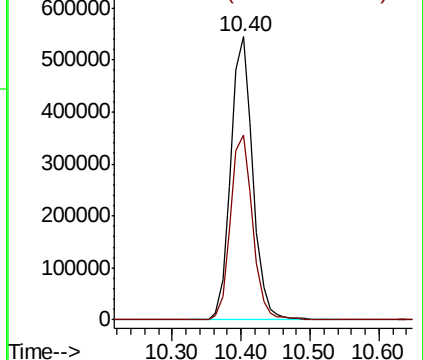
98 100

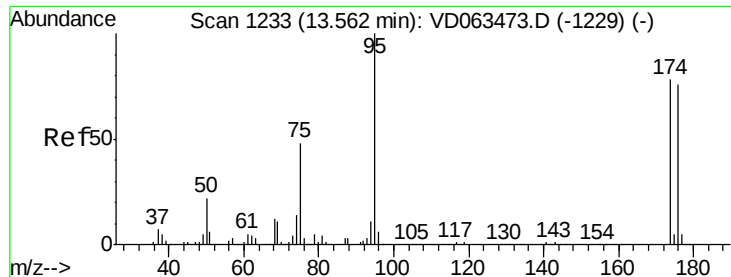
100 65.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

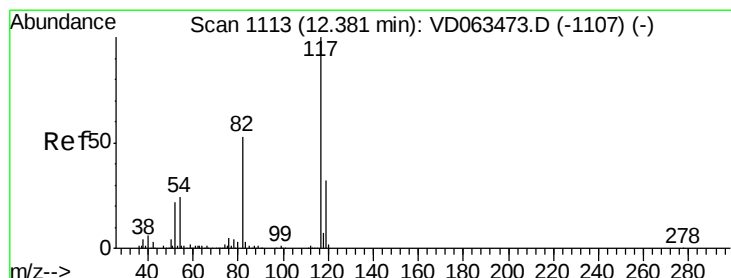
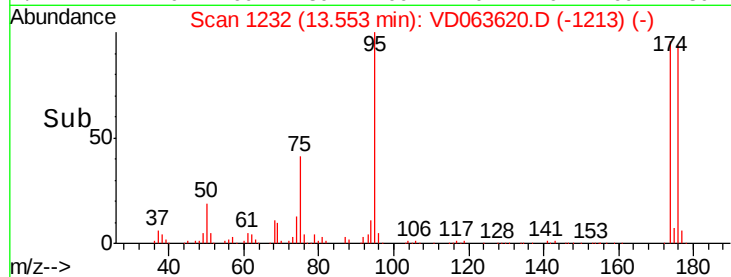
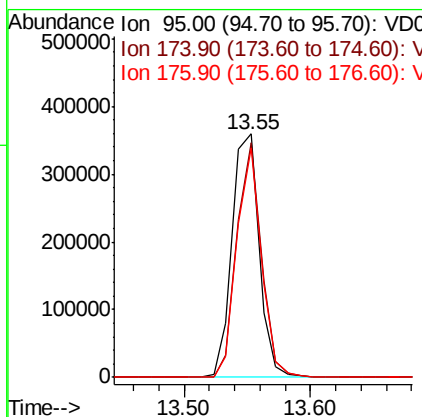
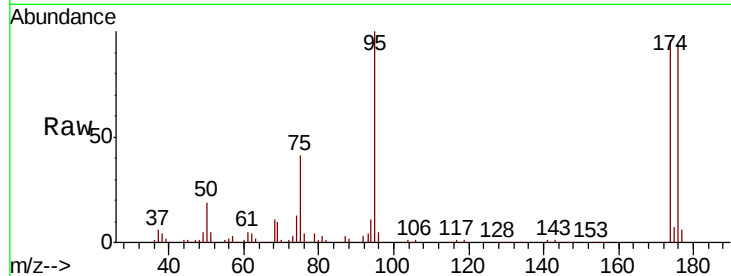




#62
4-Bromofluorobenzene
Concen: 57.495 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

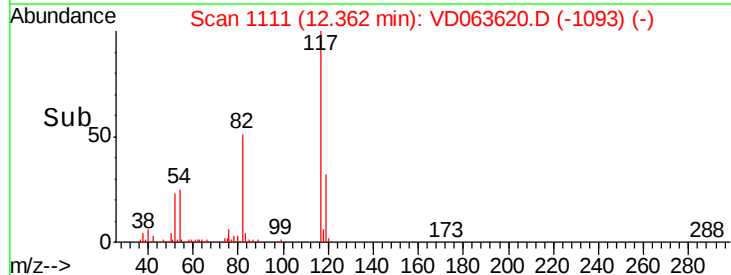
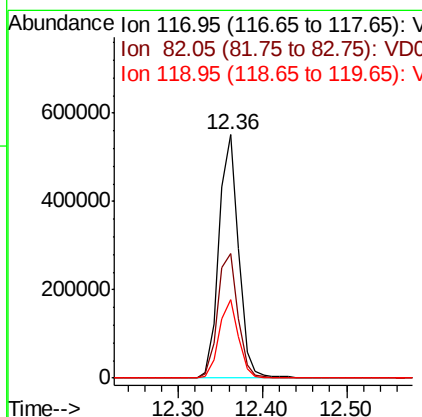
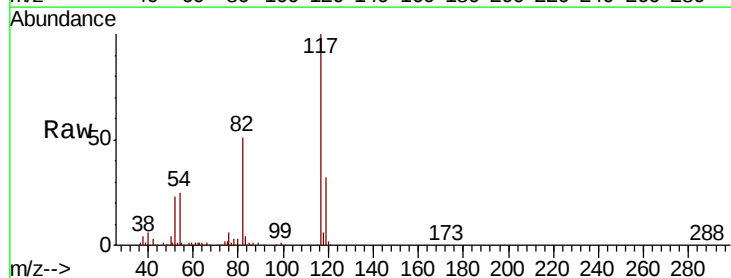
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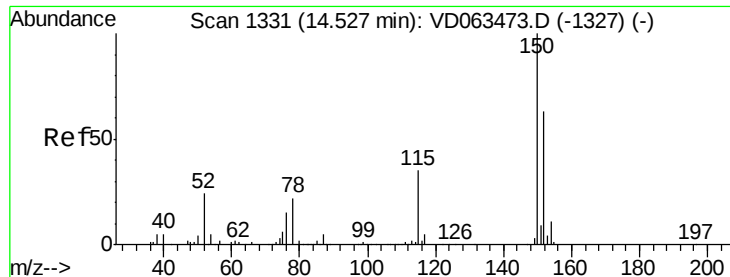
Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	155.4
176	94.1	0.0	152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063620.D
Acq: 15 Aug 2019 21:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.0	63.0
119	32.1	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD063620.D

Acq: 15 Aug 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

RBR-200057-200054

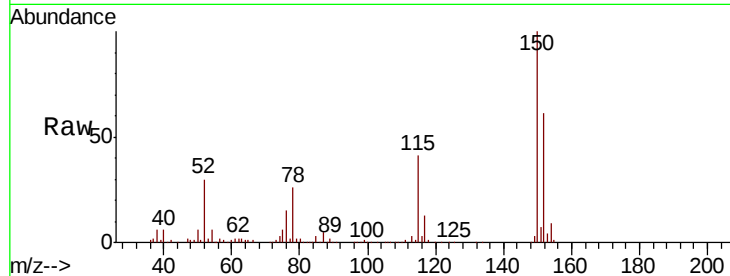
Tgt Ion:152 Resp: 446545

Ion Ratio Lower Upper

152 100

115 67.0 30.9 92.7

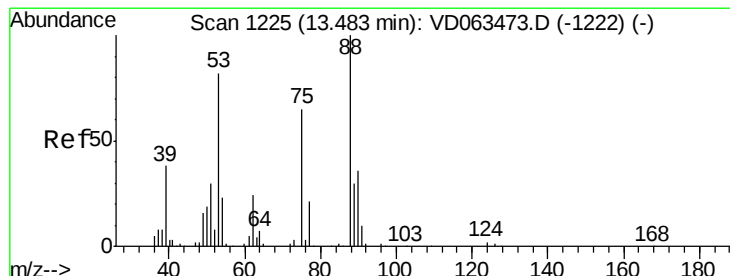
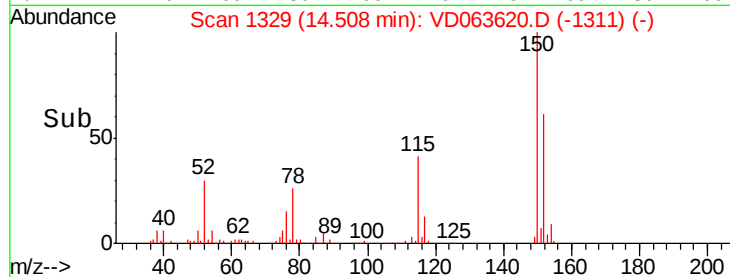
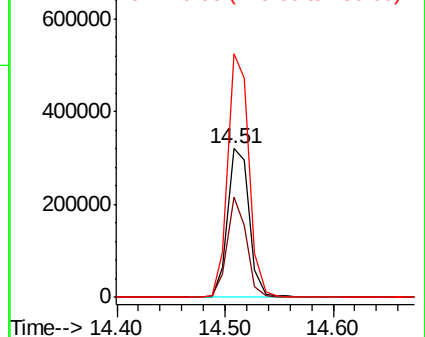
150 163.6 0.0 318.6



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: 178.155 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063620.D

Acq: 15 Aug 2019 21:55

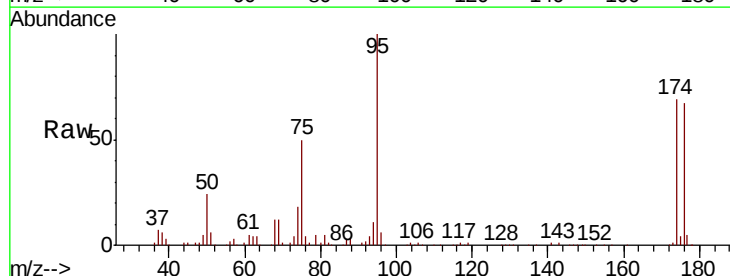
Tgt Ion: 75 Resp: 245396

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

