

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063361.D
 Acq On : 3 Aug 2019 15:08
 Operator : VA/AP
 Sample : K4136-07
 Misc : 5.27g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C1-(30)

Quant Time: Aug 04 06:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	981640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1303463	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	977657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	439028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	498225	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	6.93	113	531943	47.80	ug/l	0.02
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	10.41	98	1123121	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	13.55	95	394751	34.78	ug/l	0.00
Spiked Amount			Recovery	=	69.56%	

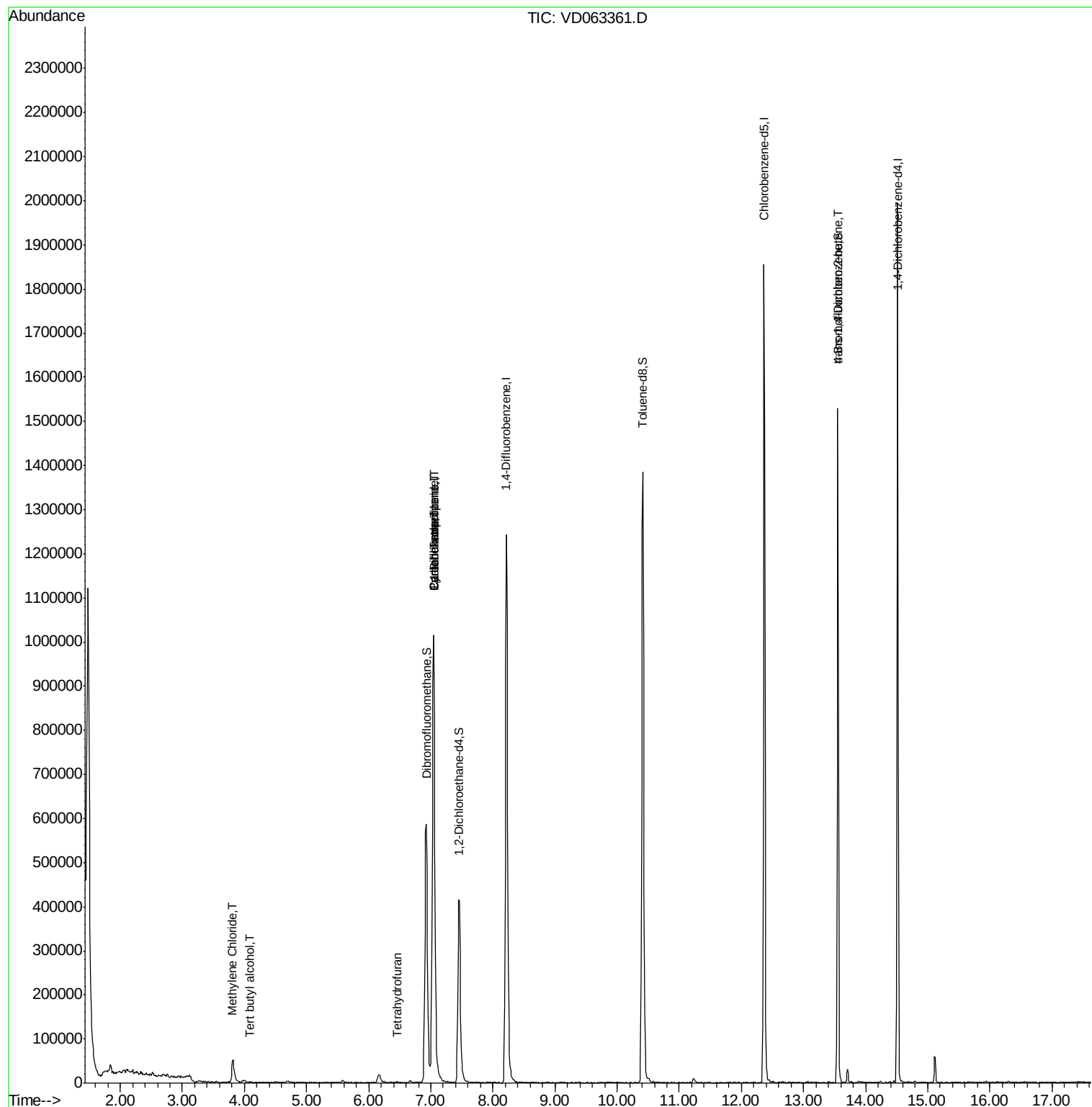
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	954	1.996	ug/l #	69
20) Methylene Chloride	3.81	84	32485	3.787	ug/l #	90
29) Tetrahydrofuran	6.46	42	1612	1.599	ug/l #	48
31) Cyclohexane	7.05	56	23334	2.405	ug/l #	26
36) 1,1-Dichloropropene	7.05	75	72210	6.070	ug/l #	53
38) Carbon Tetrachloride	7.05	117	95986	5.360	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	185398	126.613	ug/l #	3

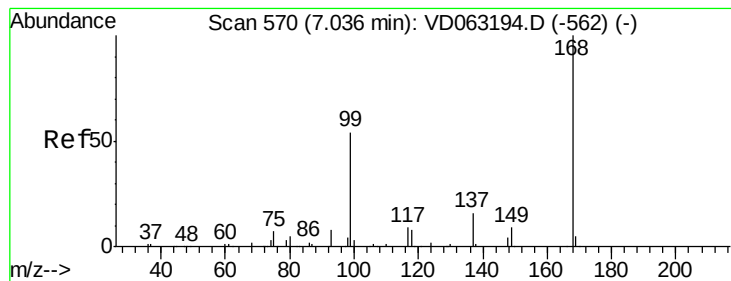
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063361.D

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Instrument :

MSVOA_D

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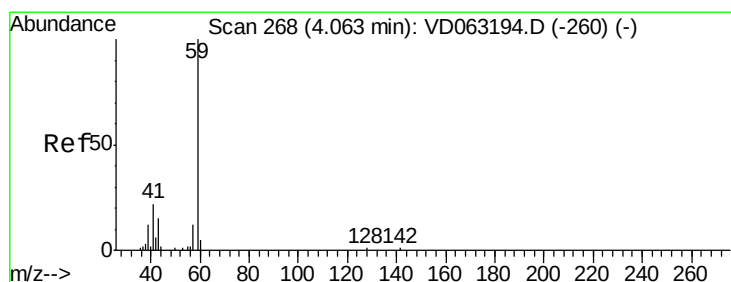
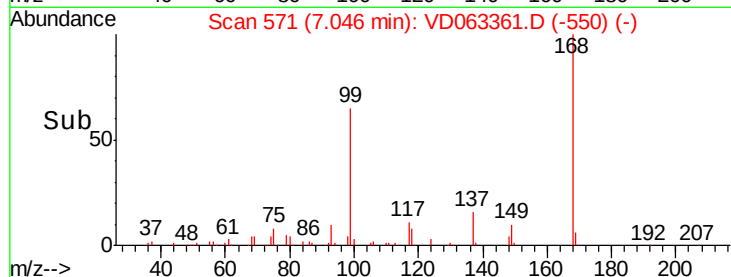
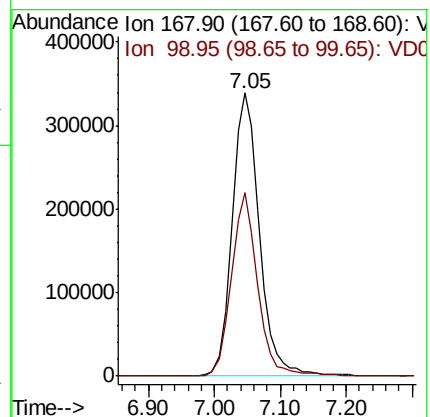
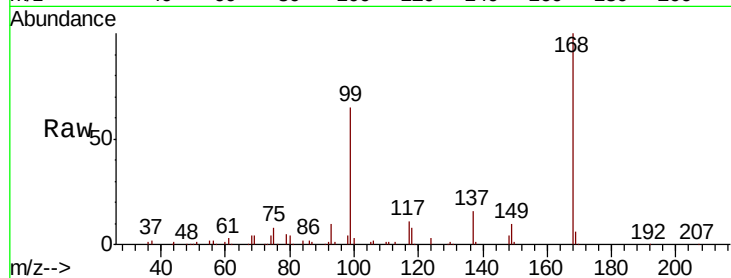
1S-C1-(30)

Tgt Ion:168 Resp: 981640

Ion Ratio Lower Upper

168 100

99 64.9 43.7 65.5



#11

Tert butyl alcohol

Concen: 1.996 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063361.D

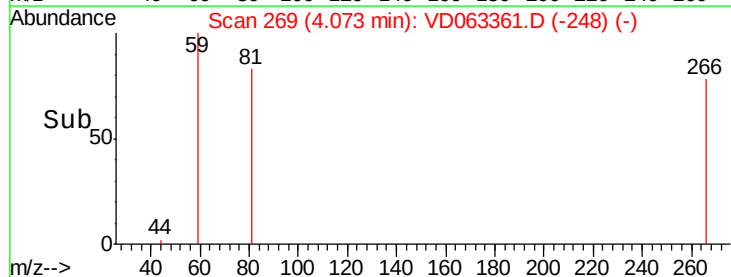
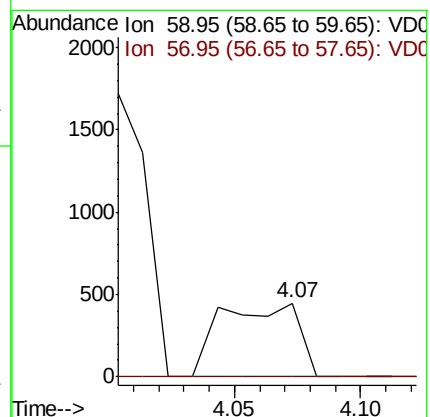
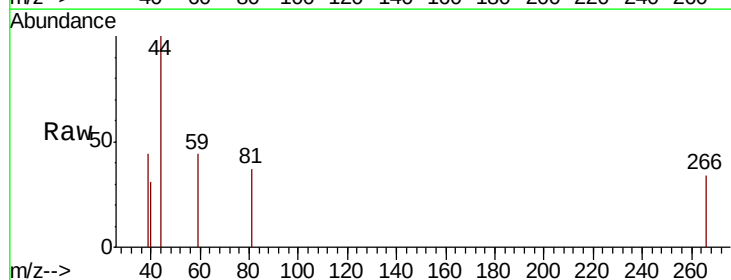
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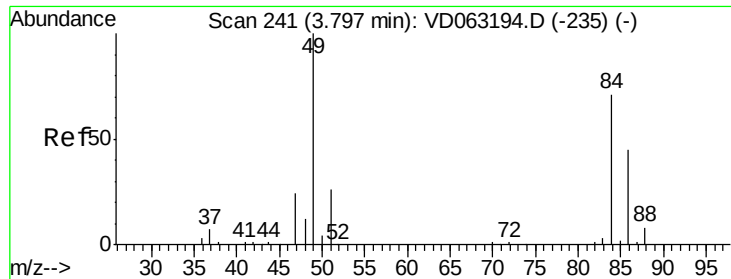
Tgt Ion: 59 Resp: 954

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#

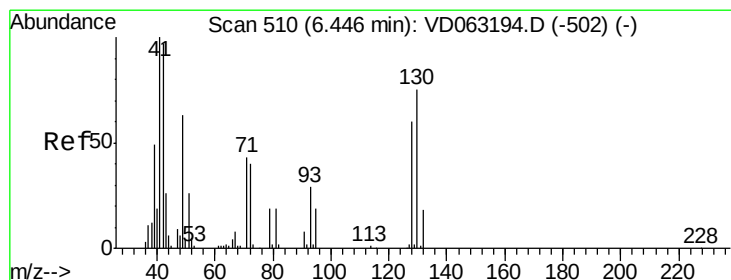
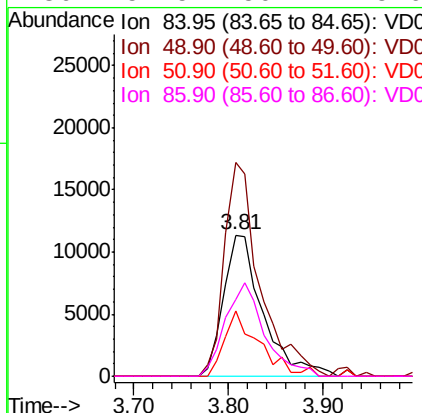
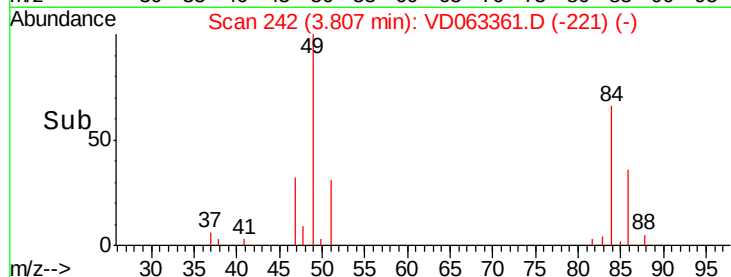
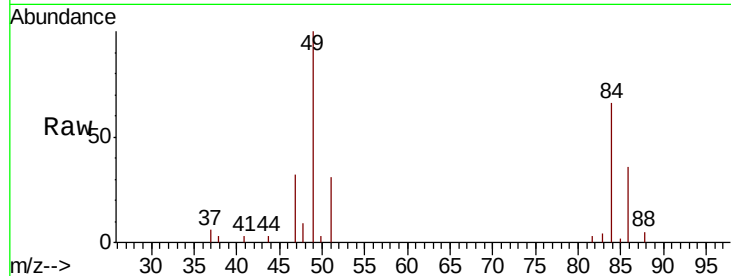




#20
Methylene Chloride
Concen: 3.787 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

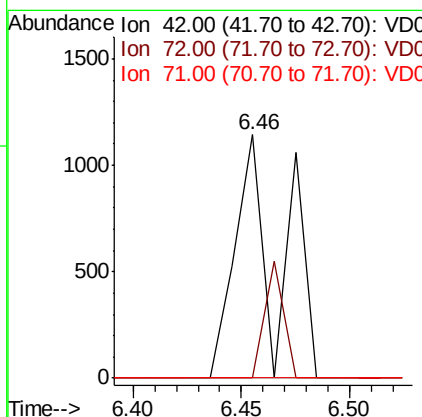
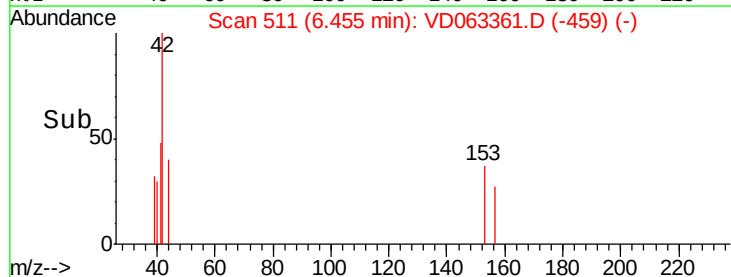
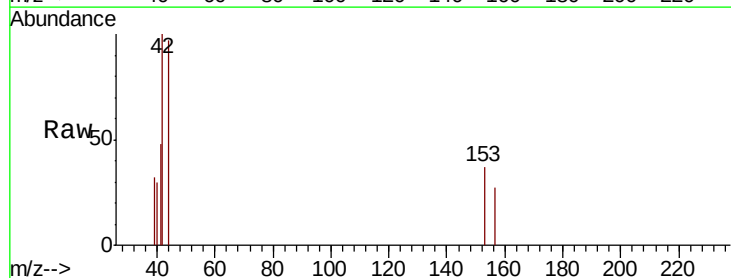
Instrument :
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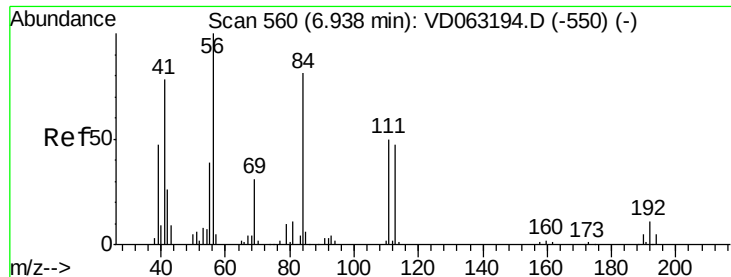
Tgt Ion: 84 Resp: 32485
Ion Ratio Lower Upper
84 100
49 151.2 112.5 168.7
51 46.4 29.6 44.4#
86 54.5 50.4 75.6



#29
Tetrahydrofuran
Concen: 1.599 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Tgt Ion: 42 Resp: 1612
Ion Ratio Lower Upper
42 100
72 20.2 33.4 50.2#
71 0.0 35.7 53.5#

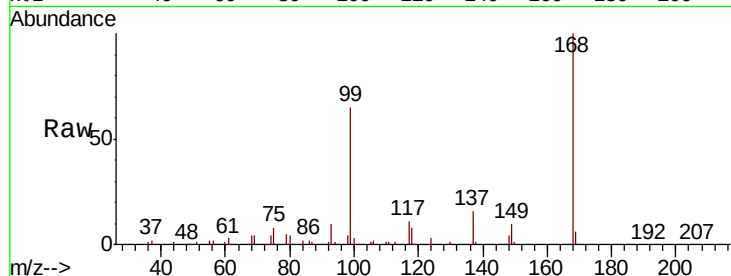




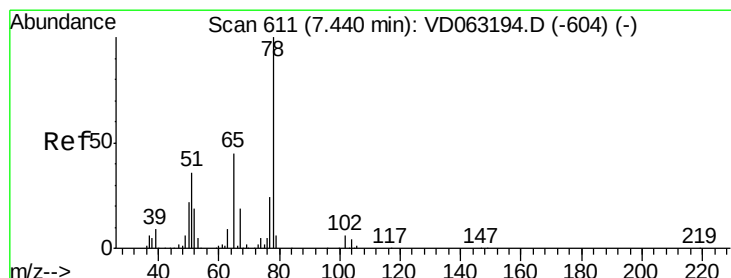
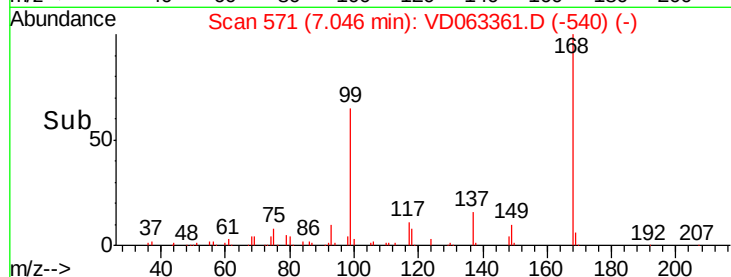
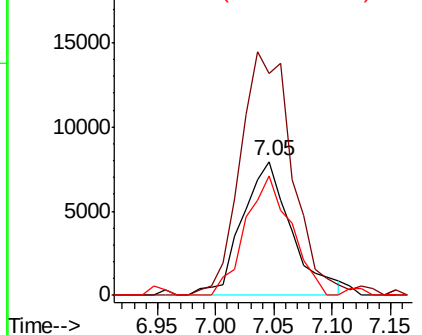
#31
Cyclohexane
Concen: 2.405 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :
1S-C1-(30)

Tgt Ion: 56 Resp: 23334
Ion Ratio Lower Upper
56 100
69 165.5 24.5 36.7#
84 89.5 64.9 97.3

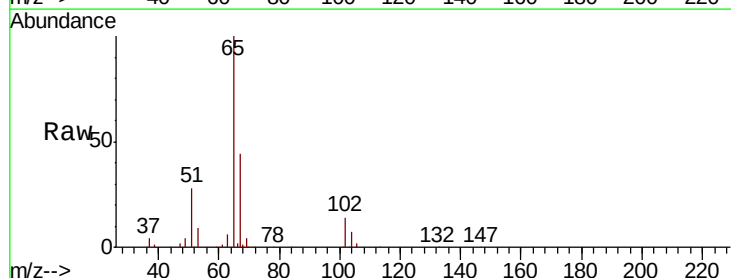


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

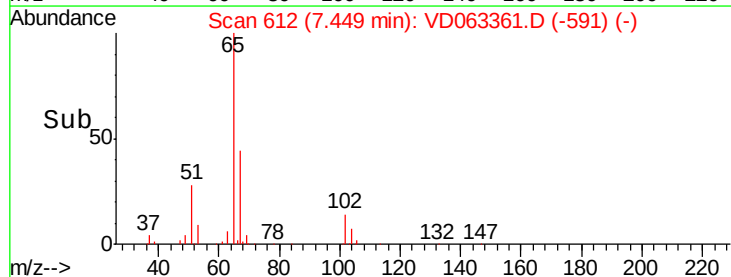
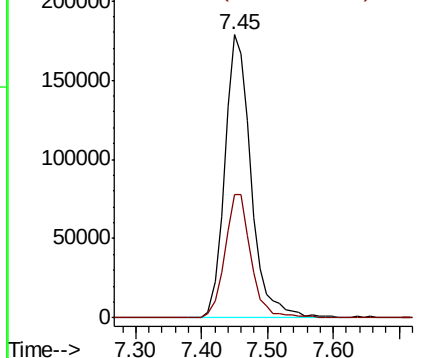


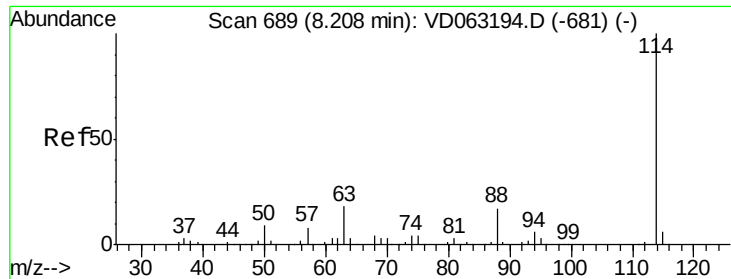
#33
1,2-Dichloroethane-d4
Concen: 45.741 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Tgt Ion: 65 Resp: 498225
Ion Ratio Lower Upper
65 100
67 43.7 0.0 85.8



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

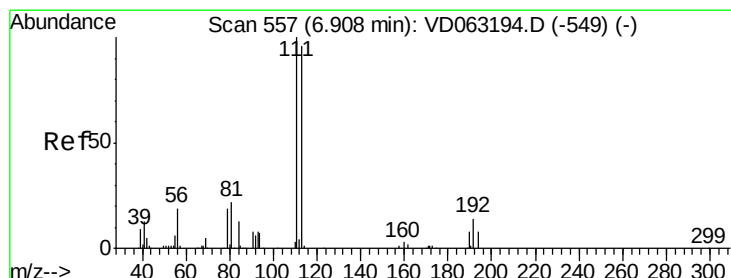
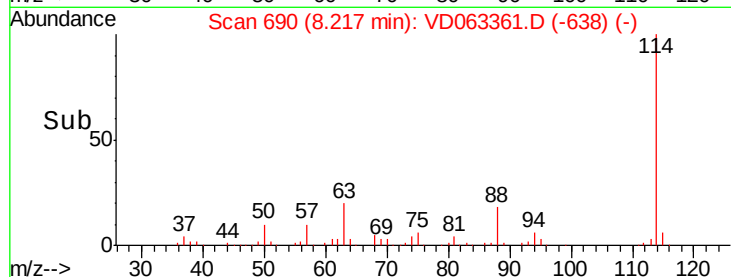
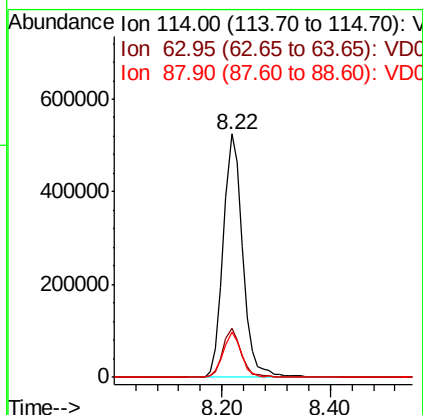
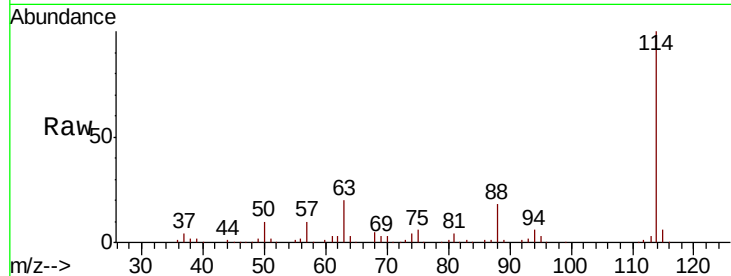




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

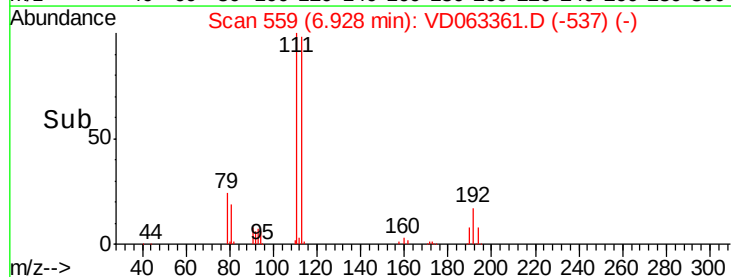
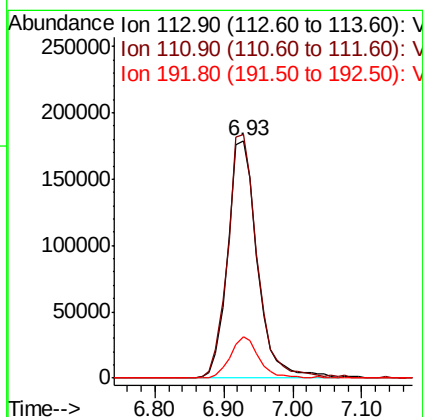
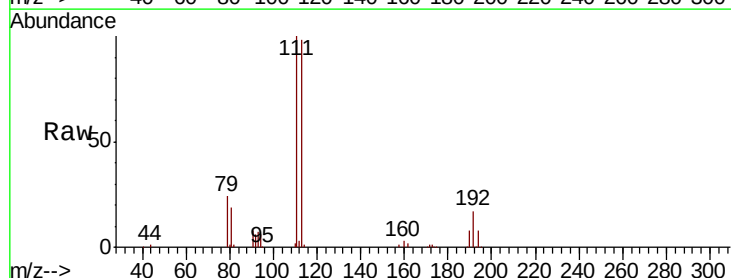
Instrument :
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 ClientSampleId :
 1S-C1-(30)

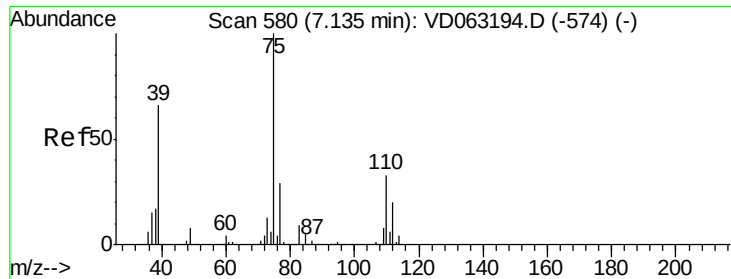
Tgt Ion:114 Resp: 1303463
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 35.2
 88 18.5 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 47.799 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

Tgt Ion:113 Resp: 531943
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 17.4 11.8 17.8

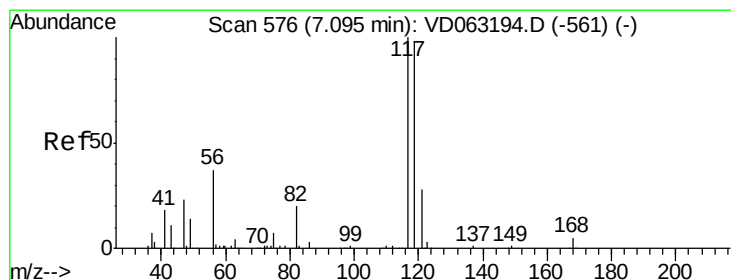
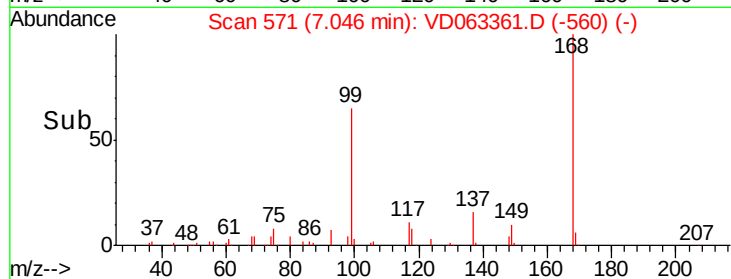
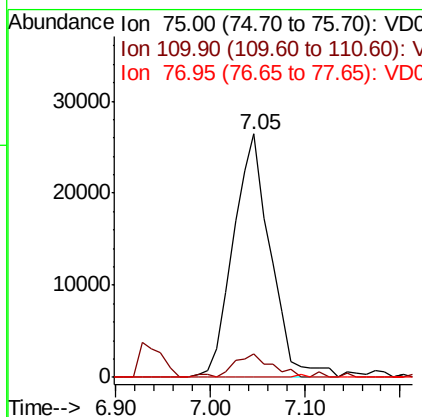
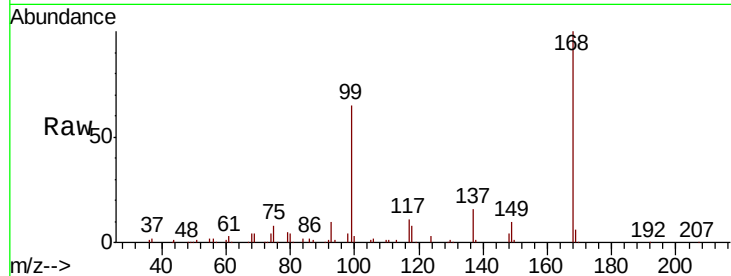




#36
 1,1-Dichloropropene
 Concen: 6.070 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

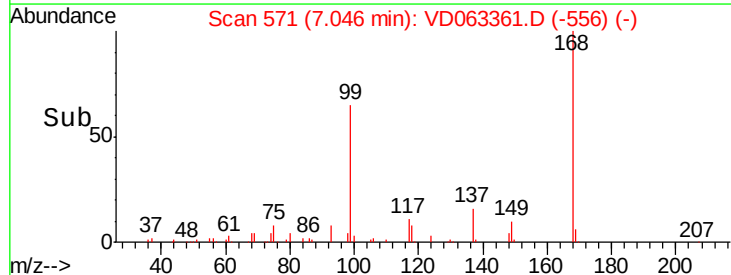
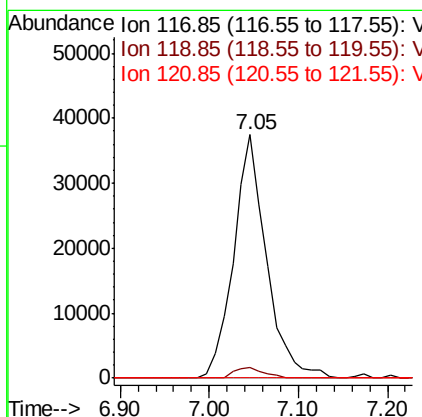
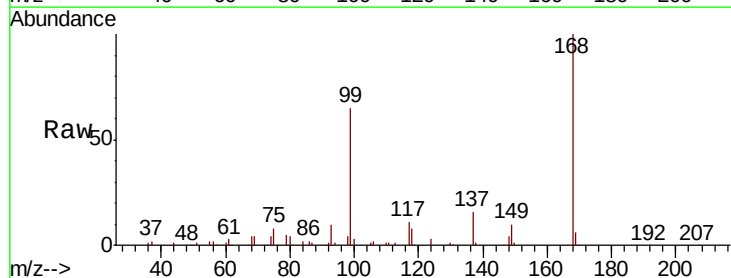
Instrument :
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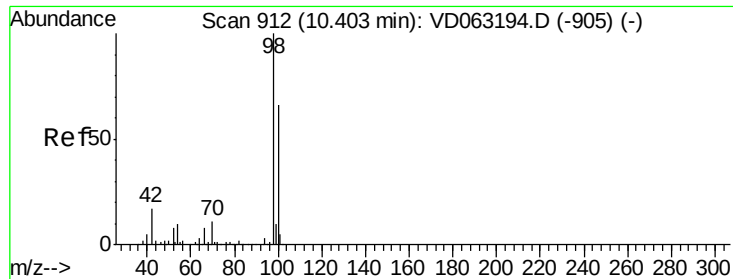
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.1	48.2#
77	0.0	22.7	34.1#



#38
 Carbon Tetrachloride
 Concen: 5.360 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063361.D
 Acq: 3 Aug 2019 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.2	117.2#
121	0.0	22.1	33.1#

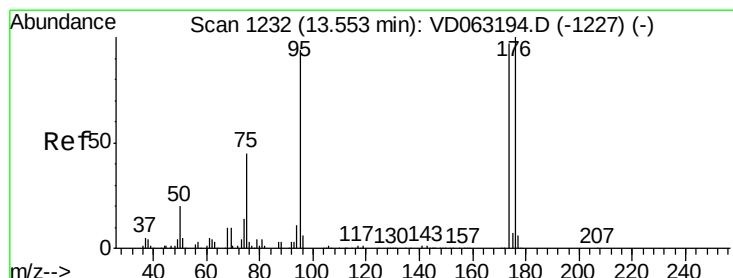
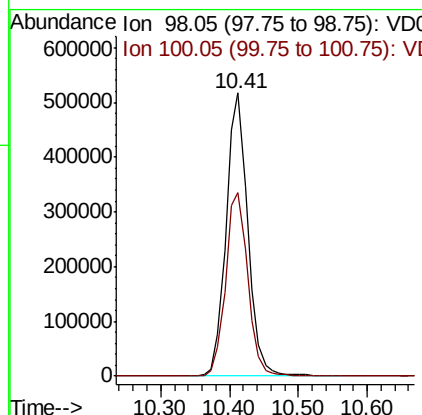
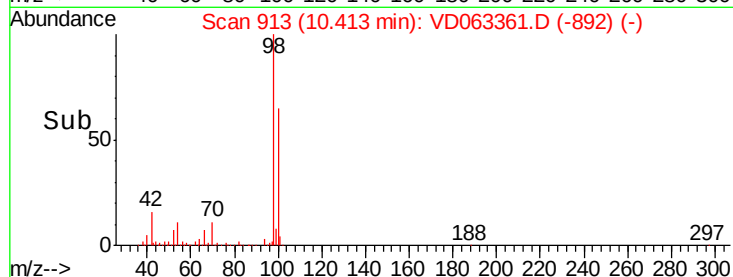
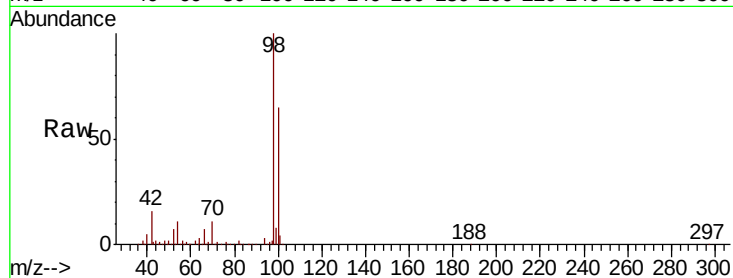




#50
Toluene-d8
Concen: 45.094 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

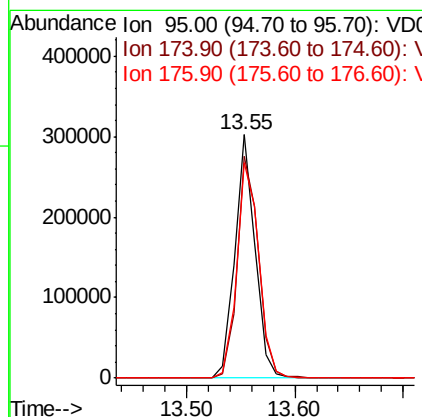
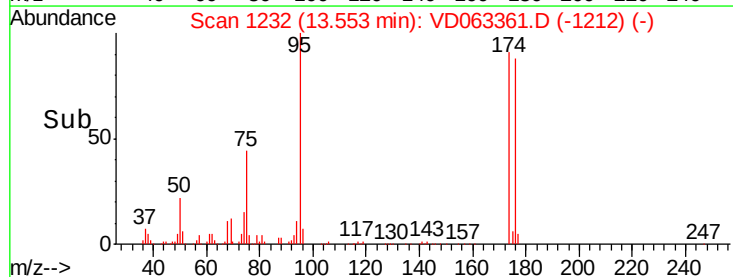
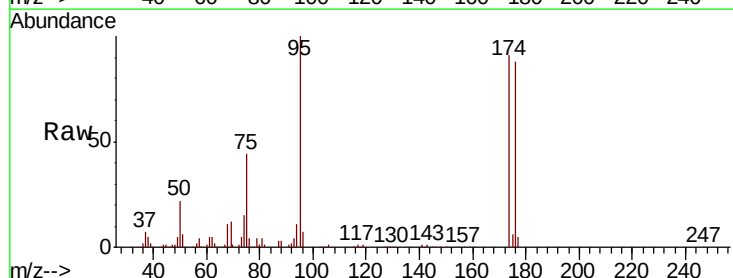
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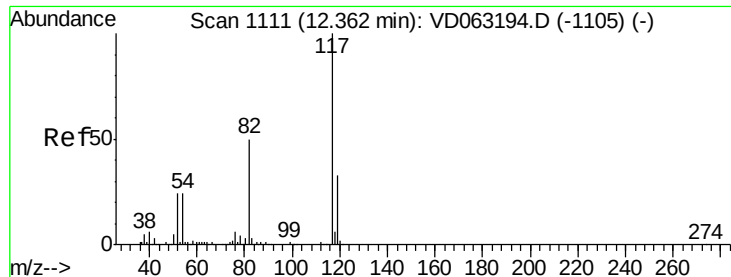
Tgt Ion: 98 Resp: 1123121
Ion Ratio Lower Upper
98 100
100 64.9 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 34.781 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Tgt Ion: 95 Resp: 394751
Ion Ratio Lower Upper
95 100
174 91.4 0.0 205.4
176 88.5 0.0 211.8

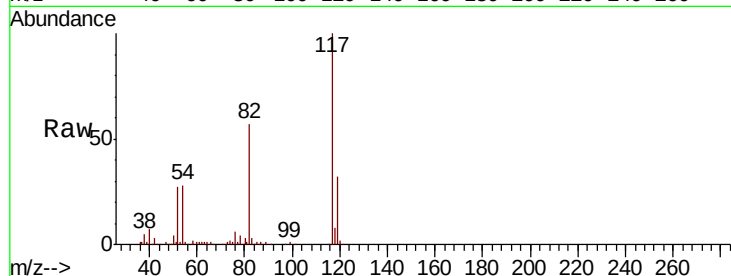




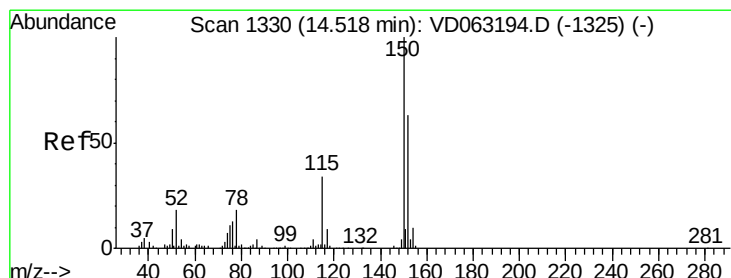
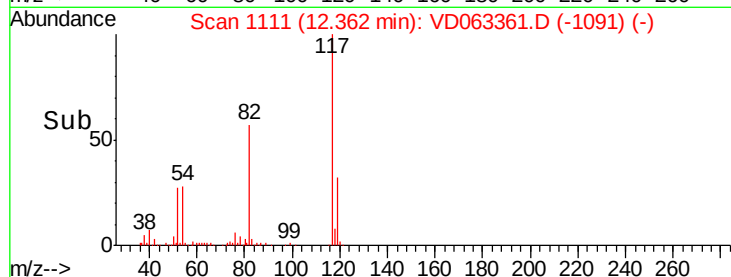
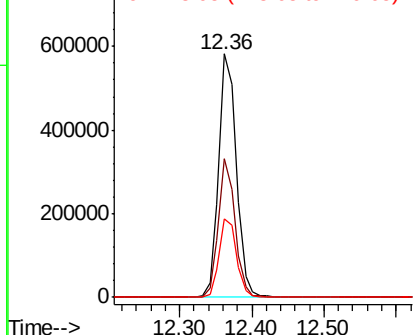
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :
1S-C1-(30)

Tgt Ion:117 Resp: 977657
Ion Ratio Lower Upper
117 100
82 56.9 40.1 60.1
119 32.1 26.5 39.7

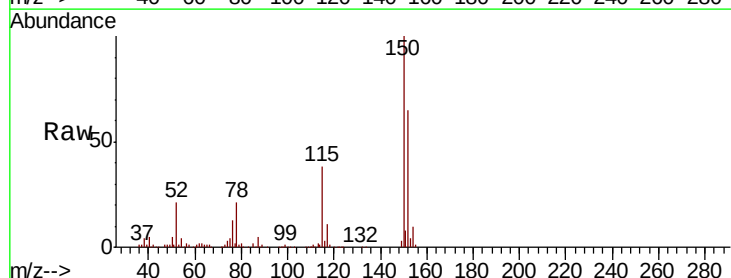


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

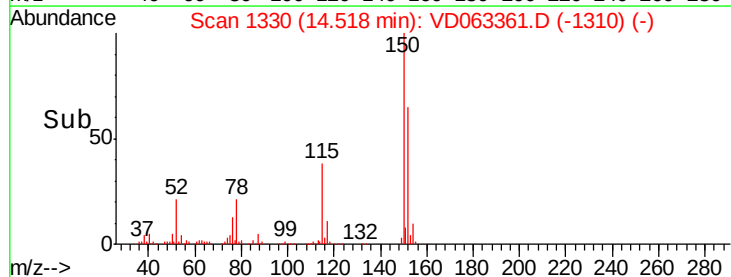
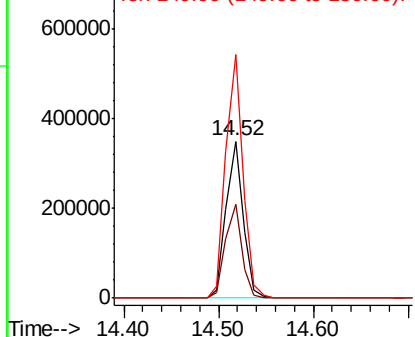


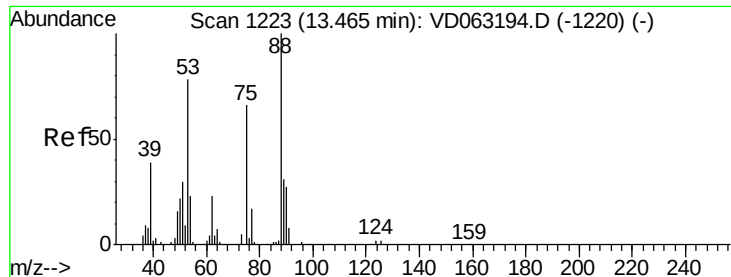
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063361.D
Acq: 3 Aug 2019 15:08

Tgt Ion:152 Resp: 439028
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.4
150 154.9 0.0 320.6



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: 126.613 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063361.D

Acq: 3 Aug 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(30)

Tgt Ion: 75 Resp: 185398

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

