

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063013.D
 Acq On : 2 Jul 2019 20:12
 Operator : VA/AP
 Sample : K3602-07
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-7

Quant Time: Jul 03 00:58:59 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	7.05	168	906421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1237847	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1081332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	537409	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	397503	40.34	ug/l	0.00
Spiked Amount			Recovery	=	80.68%	
35) Dibromofluoromethane	6.93	113	432671	41.45	ug/l	0.00
Spiked Amount			Recovery	=	82.90%	
50) Toluene-d8	10.41	98	918196	40.42	ug/l	0.00
Spiked Amount			Recovery	=	80.84%	
62) 4-Bromofluorobenzene	13.56	95	388633	37.62	ug/l	0.00
Spiked Amount			Recovery	=	75.24%	

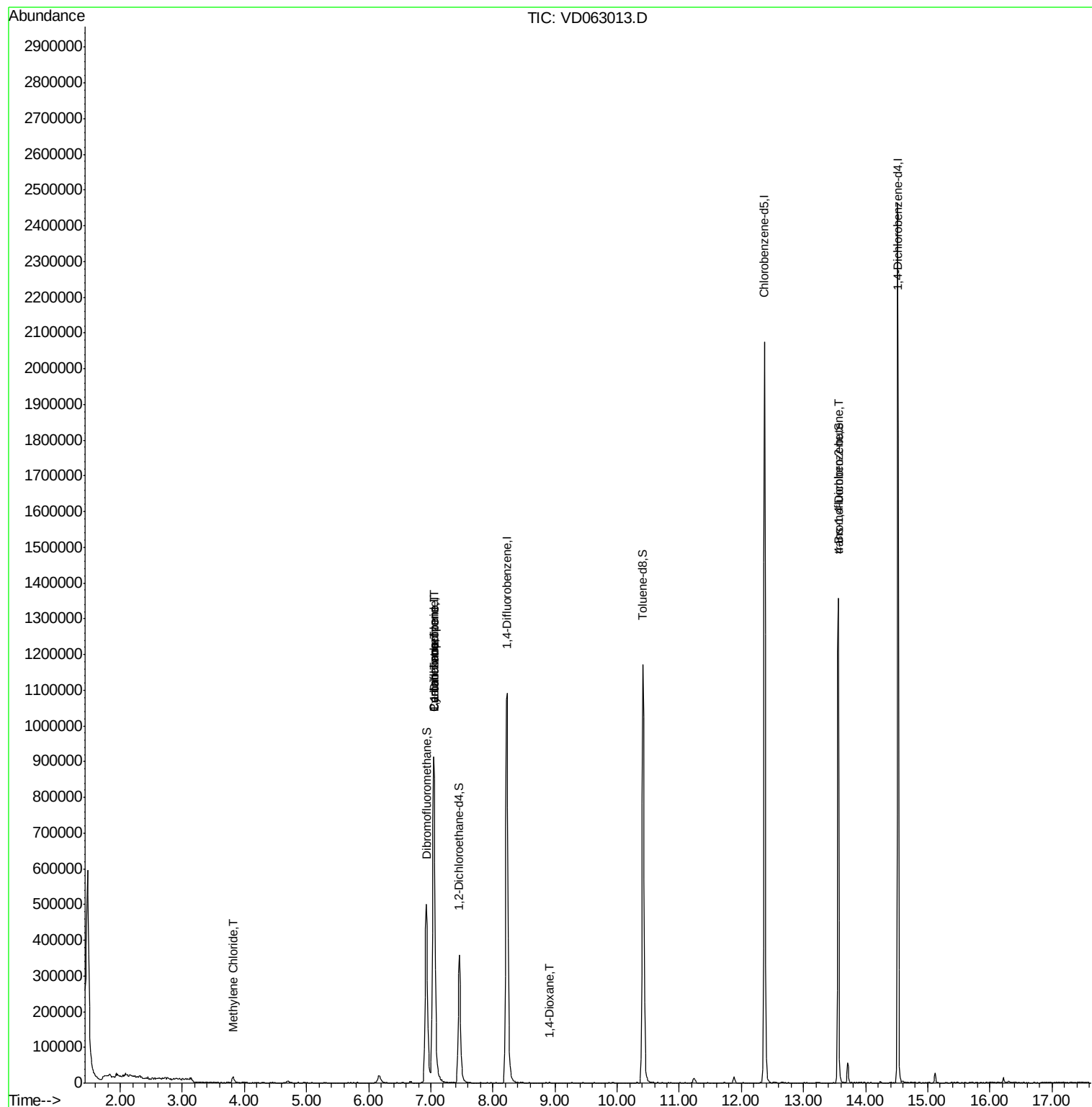
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	1518	Below Cal	#	1
20) Methylene Chloride	3.82	84	8526	1.135	ug/l #	82
31) Cyclohexane	7.06	56	21640	2.339	ug/l #	14
36) 1,1-Dichloropropene	7.05	75	71007	6.060	ug/l #	57
37) Ethyl Acetate	6.20	43	402	Below Cal	#	1
38) Carbon Tetrachloride	7.05	117	86450	4.905	ug/l #	16
49) 1,4-Dioxane	8.91	88	196	5.396	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.55	75	184526	113.486	ug/l #	2

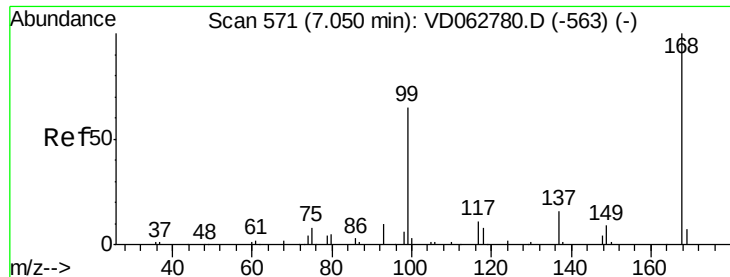
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063013.D

Acq: 2 Jul 2019 20:12

Instrument :

MSVOA_D

ClientSampleId :

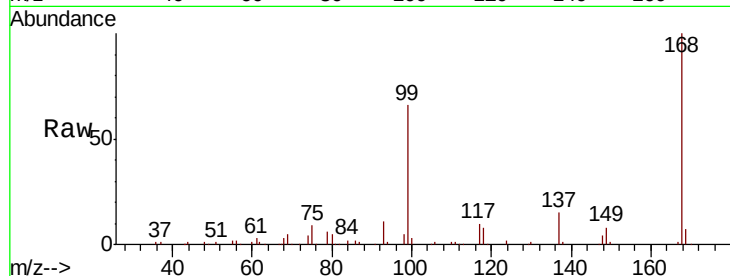
GP-7

Tot Ion:168 Resp: 906421

Ion Ratio Lower Upper

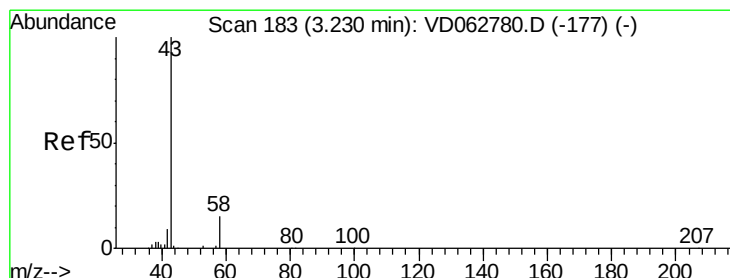
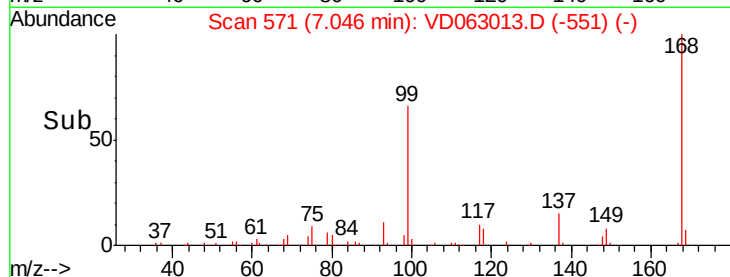
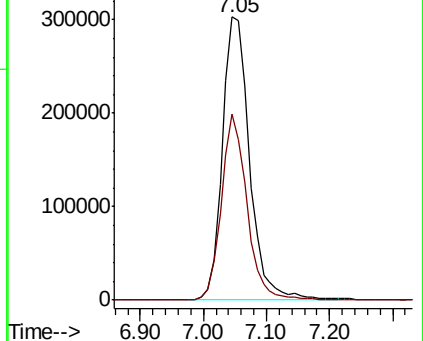
168 100

99 65.7 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: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063013.D

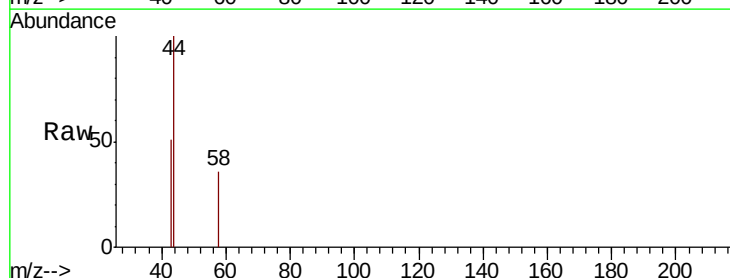
Acq: 2 Jul 2019 20:12

Tgt Ion: 43 Resp: 1518

Ion Ratio Lower Upper

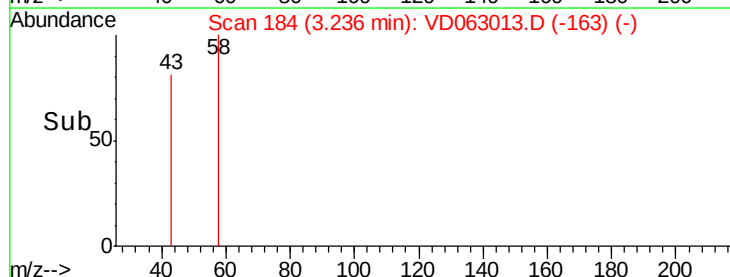
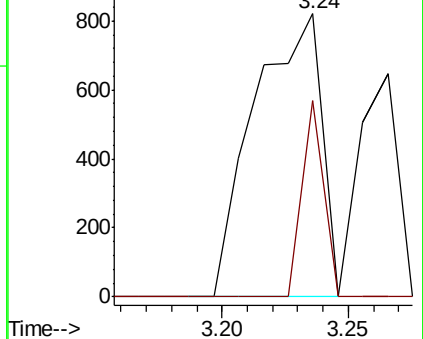
43 100

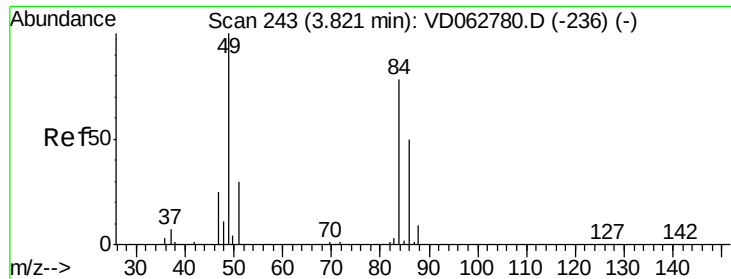
58 69.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

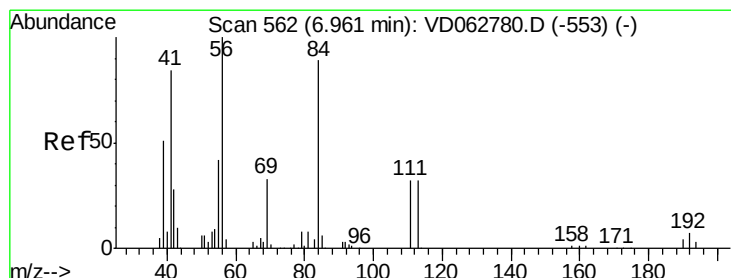
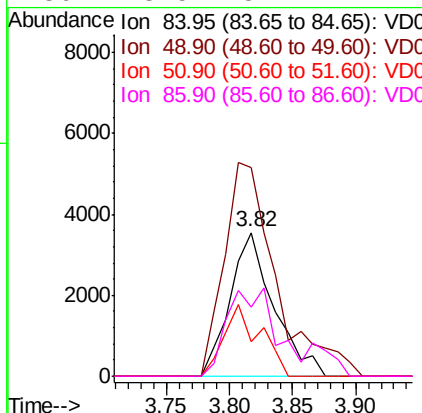
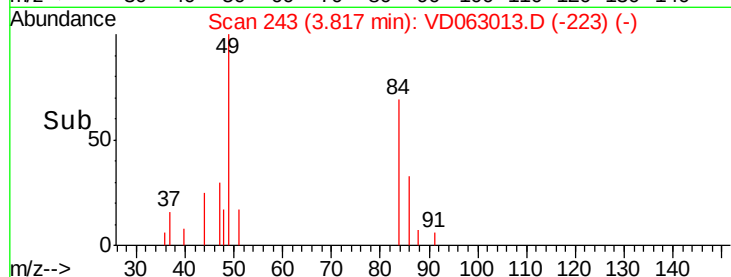
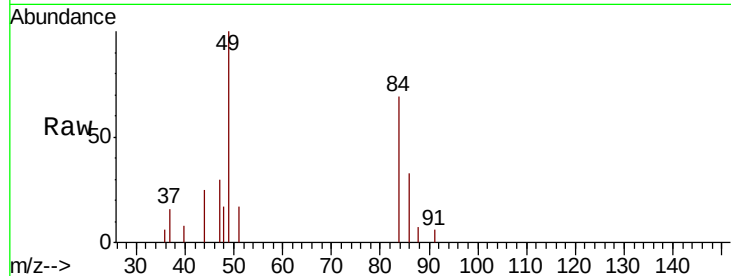




#20
Methylene Chloride
Concen: 1.135 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

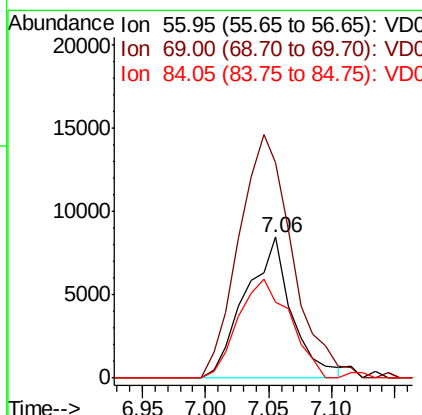
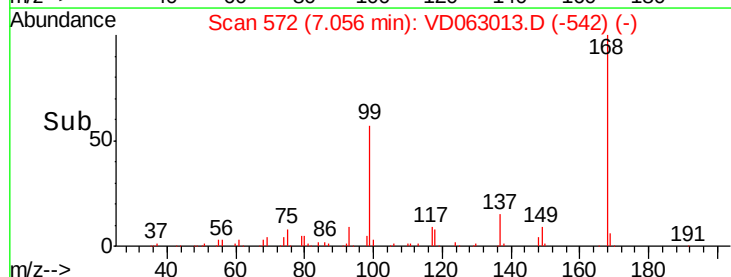
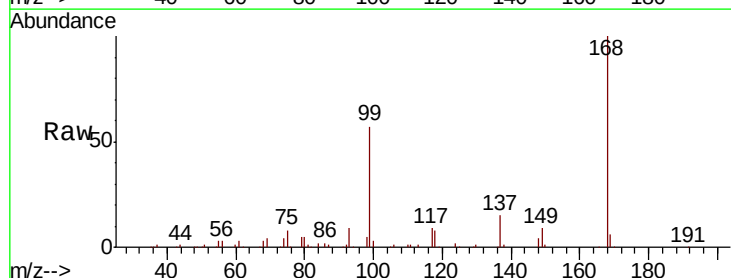
Instrument :
MSVOA_D
ClientSampleId :
GP-7

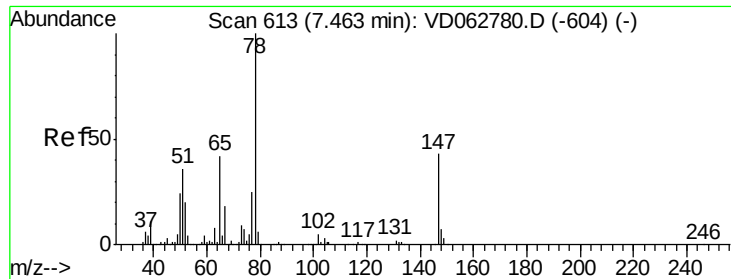
Tot Ion: 84 Resp: 8526
Ion Ratio Lower Upper
84 100
49 145.6 102.9 154.3
51 24.5 31.2 46.8#
86 48.5 51.4 77.2#



#31
Cyclohexane
Concen: 2.339 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

Tgt Ion: 56 Resp: 21640
Ion Ratio Lower Upper
56 100
69 153.4 26.6 39.8#
84 54.2 75.5 113.3#

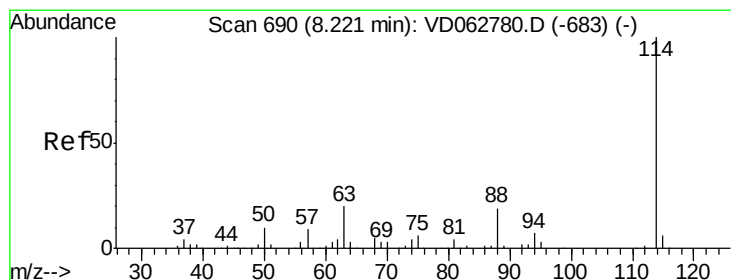
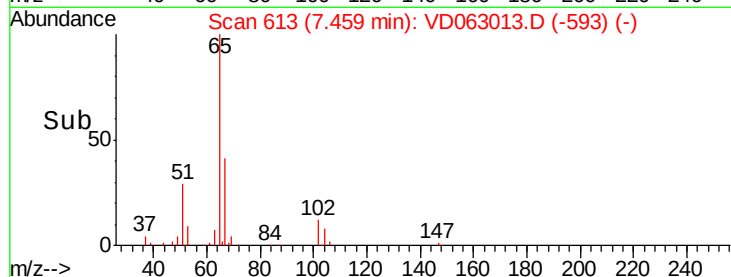
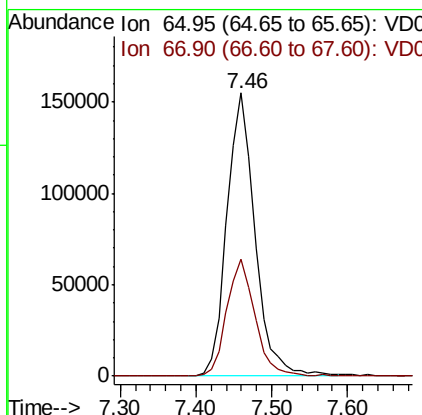
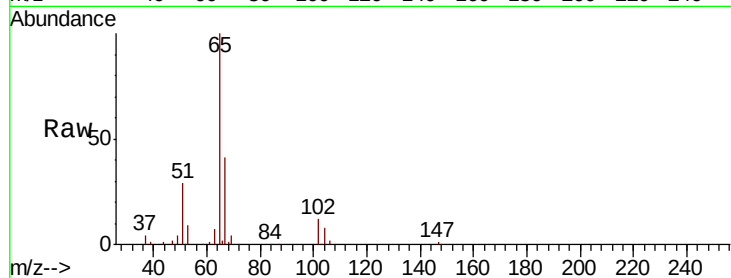




#33
 1,2-Dichloroethane-d4
 Concen: 40.345 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063013.D
 Acq: 2 Jul 2019 20:12

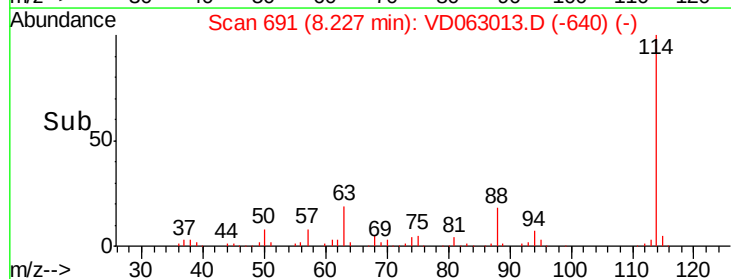
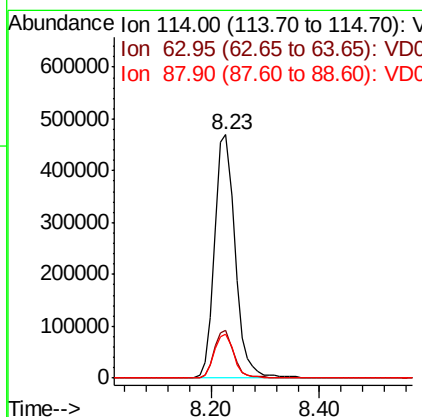
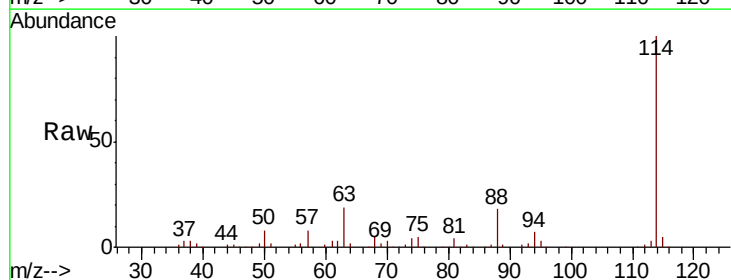
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-7

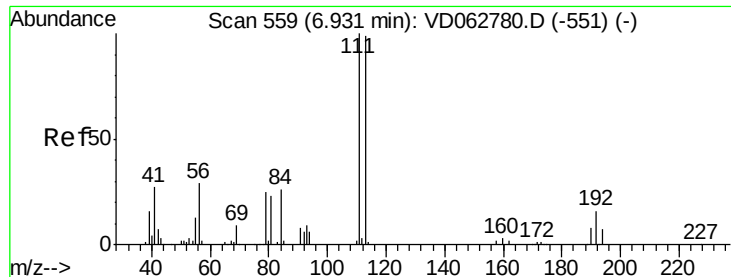
Tot Ion: 65 Resp: 397503
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063013.D
 Acq: 2 Jul 2019 20:12

Tgt Ion: 114 Resp: 1237847
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 18.1 0.0 38.8





#35

Dibromofluoromethane

Concen: 41.454 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063013.D

Acq: 2 Jul 2019 20:12

Instrument :

MSVOA_D

ClientSampleId :

GP-7

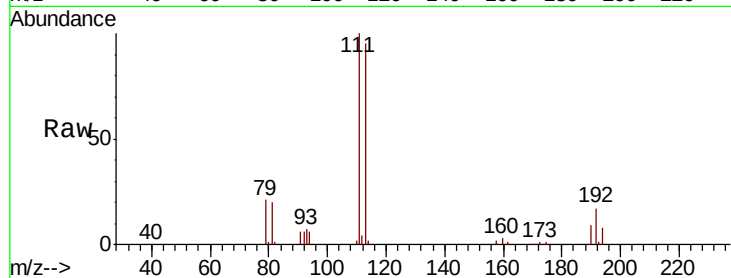
Tot Ion:113 Resp: 432671

Ion Ratio Lower Upper

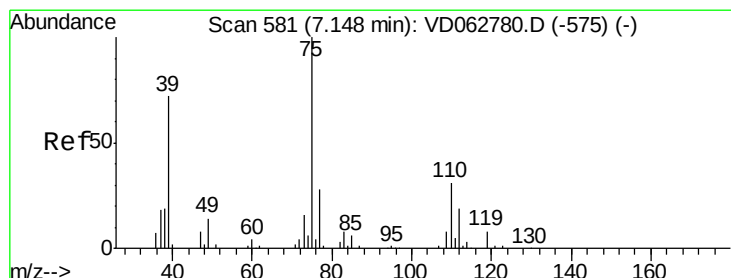
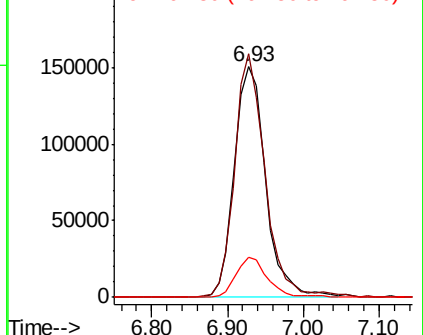
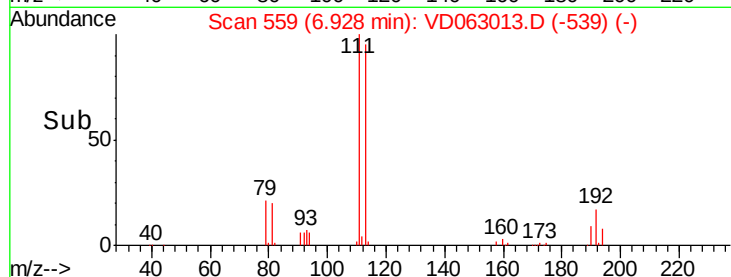
113 100

111 105.7 81.2 121.8

192 17.5 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: 6.060 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD063013.D

Acq: 2 Jul 2019 20:12

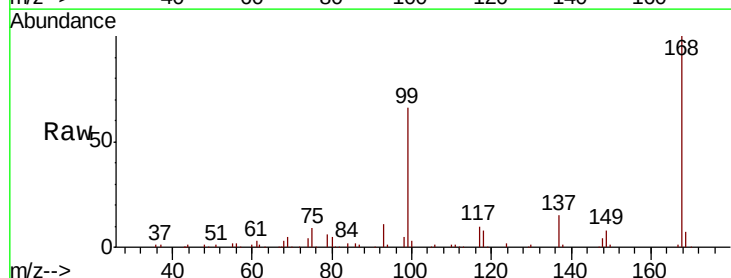
Tgt Ion: 75 Resp: 71007

Ion Ratio Lower Upper

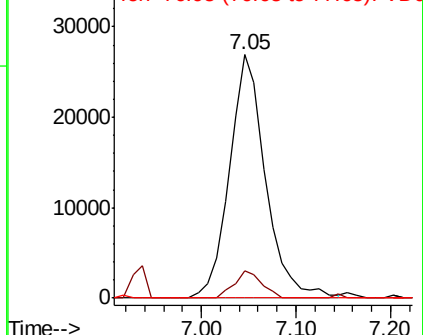
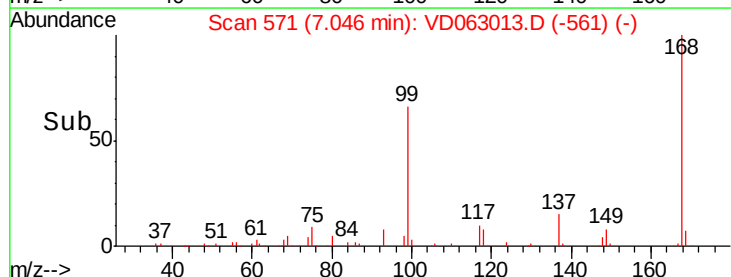
75 100

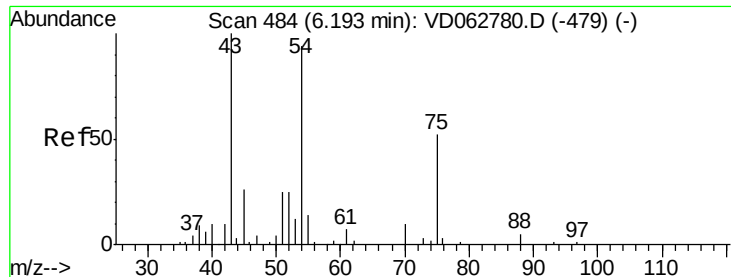
110 11.2 15.0 45.1#

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

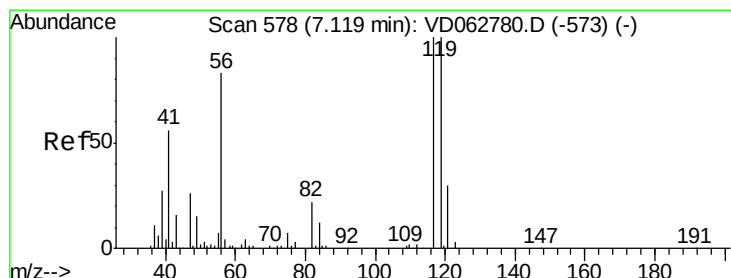
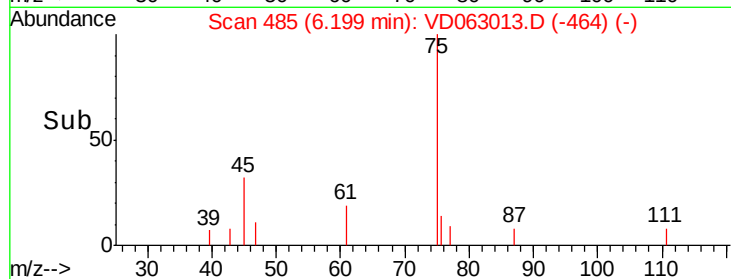
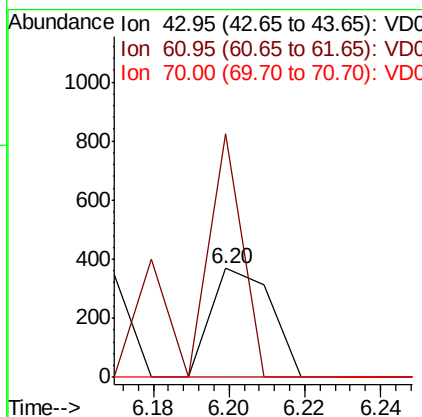
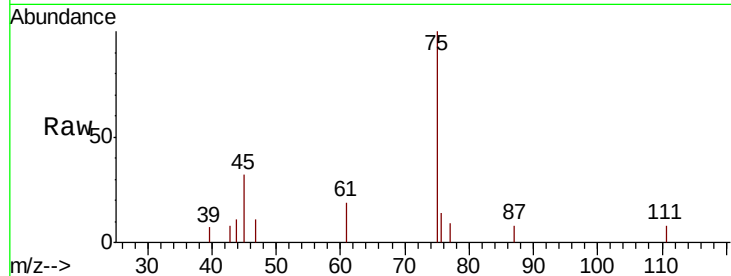




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

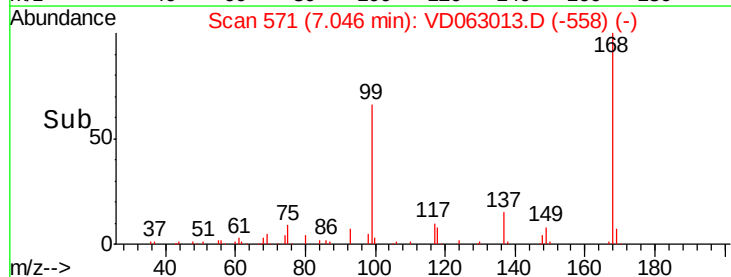
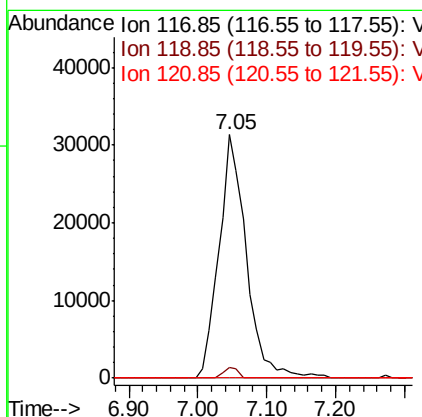
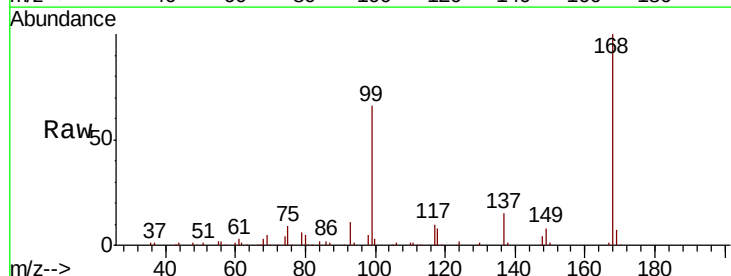
Instrument :
MSVOA_D
ClientSampled :
GP-7

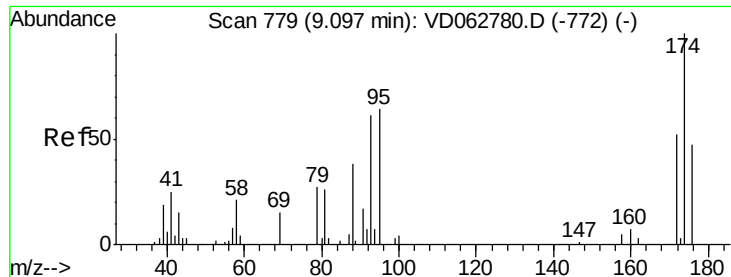
Tot Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
61 223.9 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 4.905 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

Tgt Ion: 117 Resp: 86450
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 22.3 33.5#

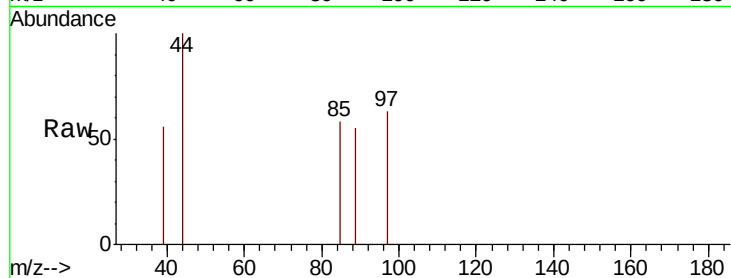




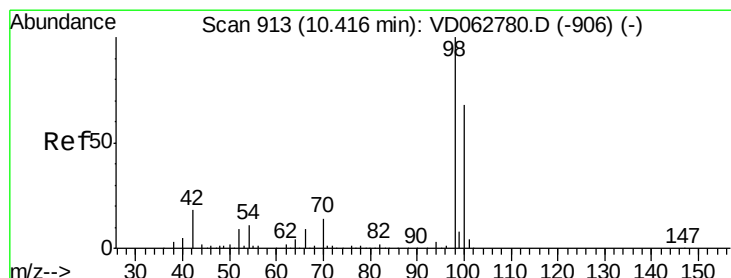
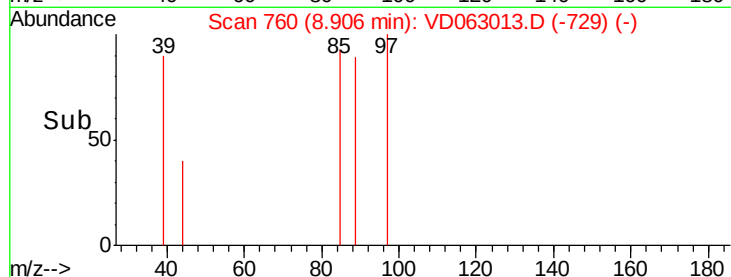
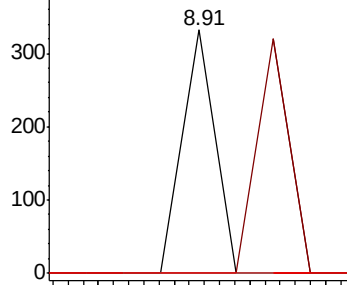
#49
1,4-Dioxane
Concen: 5.396 ug/l
RT: 8.91 min Scan# 760
Delta R.T. -0.19 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

Instrument :
MSVOA_D
ClientSampleId :
GP-7

Tot Ion: 88 Resp: 196
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#

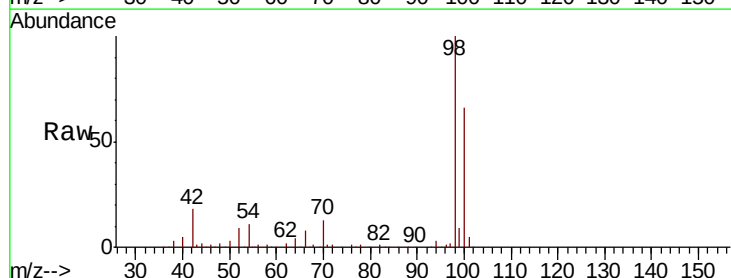


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

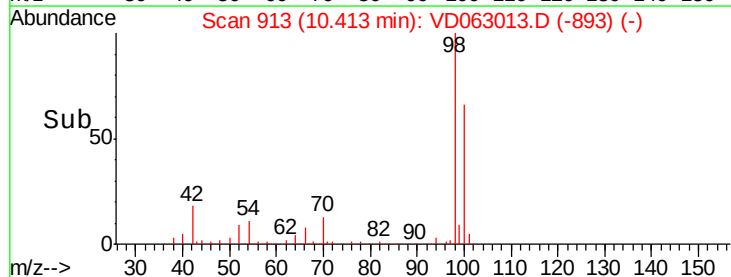
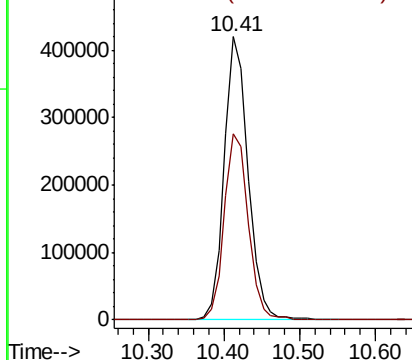


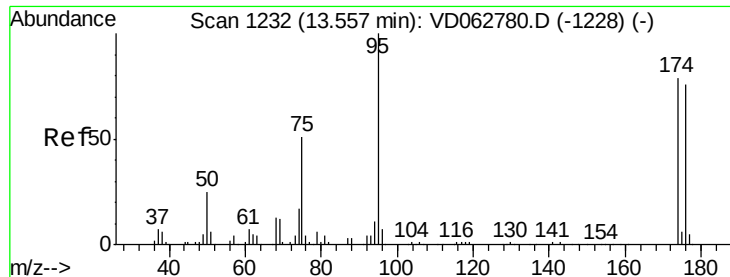
#50
Toluene-d8
Concen: 40.419 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063013.D
Acq: 2 Jul 2019 20:12

Tgt Ion: 98 Resp: 918196
Ion Ratio Lower Upper
98 100
100 65.7 54.7 82.1



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





#62

4-Bromofluorobenzene

Concen: 37.624 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063013.D

Acq: 2 Jul 2019 20:12

Instrument :

MSVOA_D

ClientSampleId :

GP-7

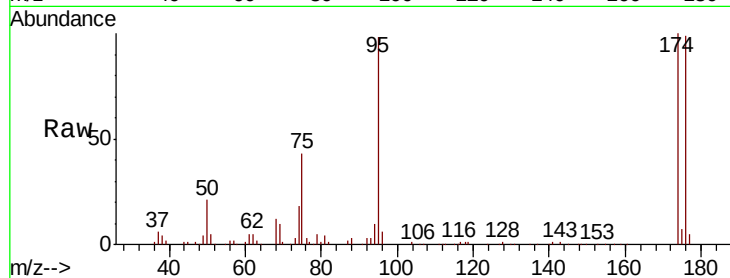
Tot Ion: 95 Resp: 388633

Ion Ratio Lower Upper

95 100

174 102.3 0.0 158.0

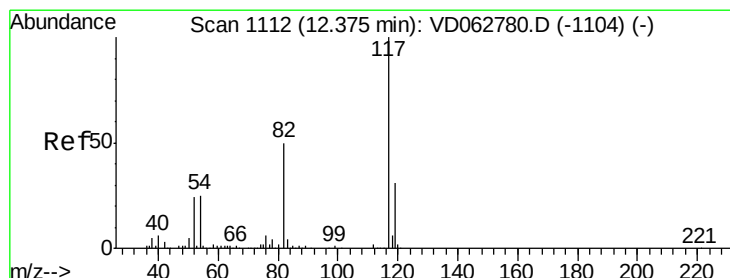
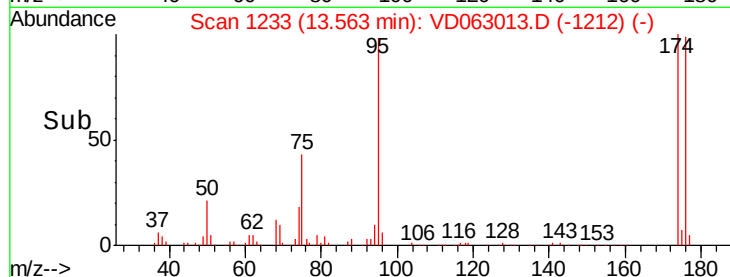
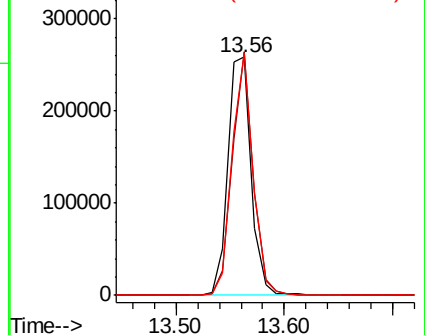
176 101.8 0.0 151.6



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: VD063013.D

Acq: 2 Jul 2019 20:12

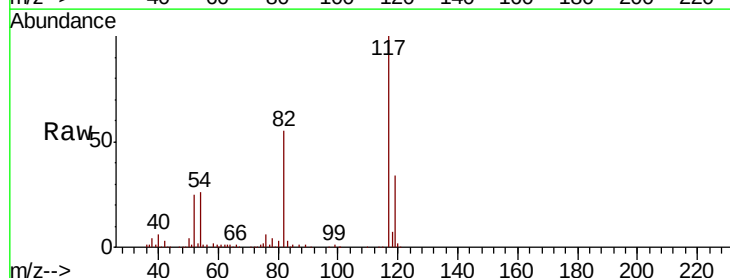
Tgt Ion: 117 Resp: 1081332

Ion Ratio Lower Upper

117 100

82 54.5 40.4 60.6

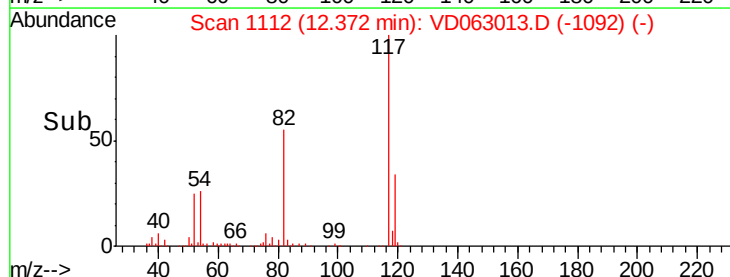
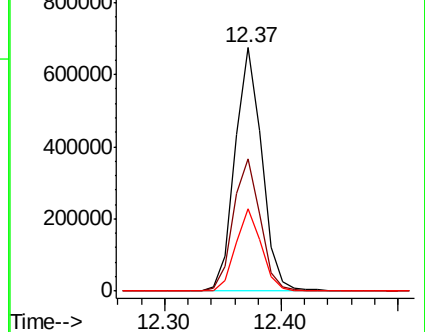
119 34.1 25.2 37.8

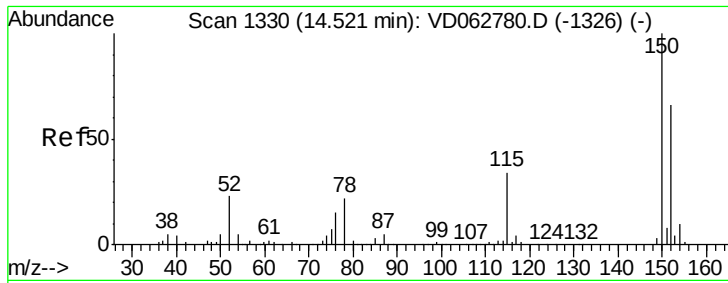


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

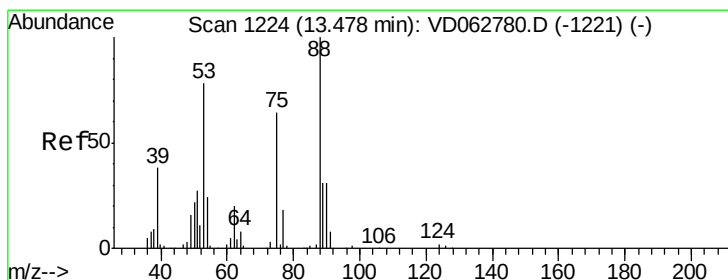
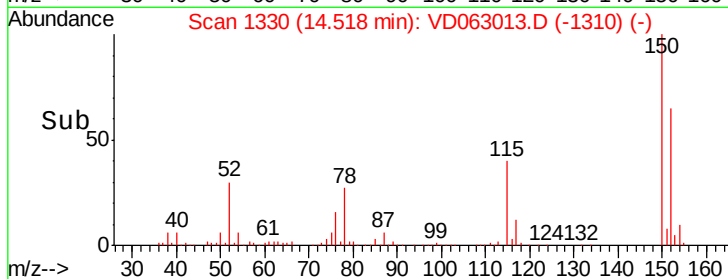
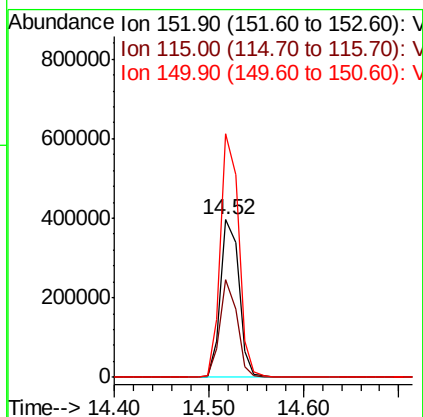
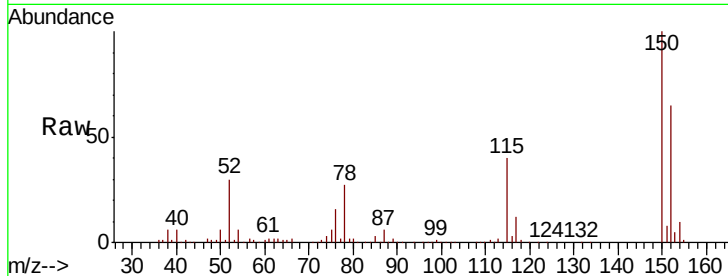




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063013.D
 Acq: 2 Jul 2019 20:12

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-7

Tot Ion:152 Resp: 537409
 Ion Ratio Lower Upper
 152 100
 115 62.2 29.2 87.6
 150 154.5 0.0 305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.486 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063013.D
 Acq: 2 Jul 2019 20:12

Tgt Ion: 75 Resp: 184526
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.5 39.4 59.2#

