

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
 Data File : VD063381.D
 Acq On : 5 Aug 2019 15:27
 Operator : VA/AP
 Sample : K4090-03
 Misc : 6.71g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-080219-B

Quant Time: Aug 06 08:10:53 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

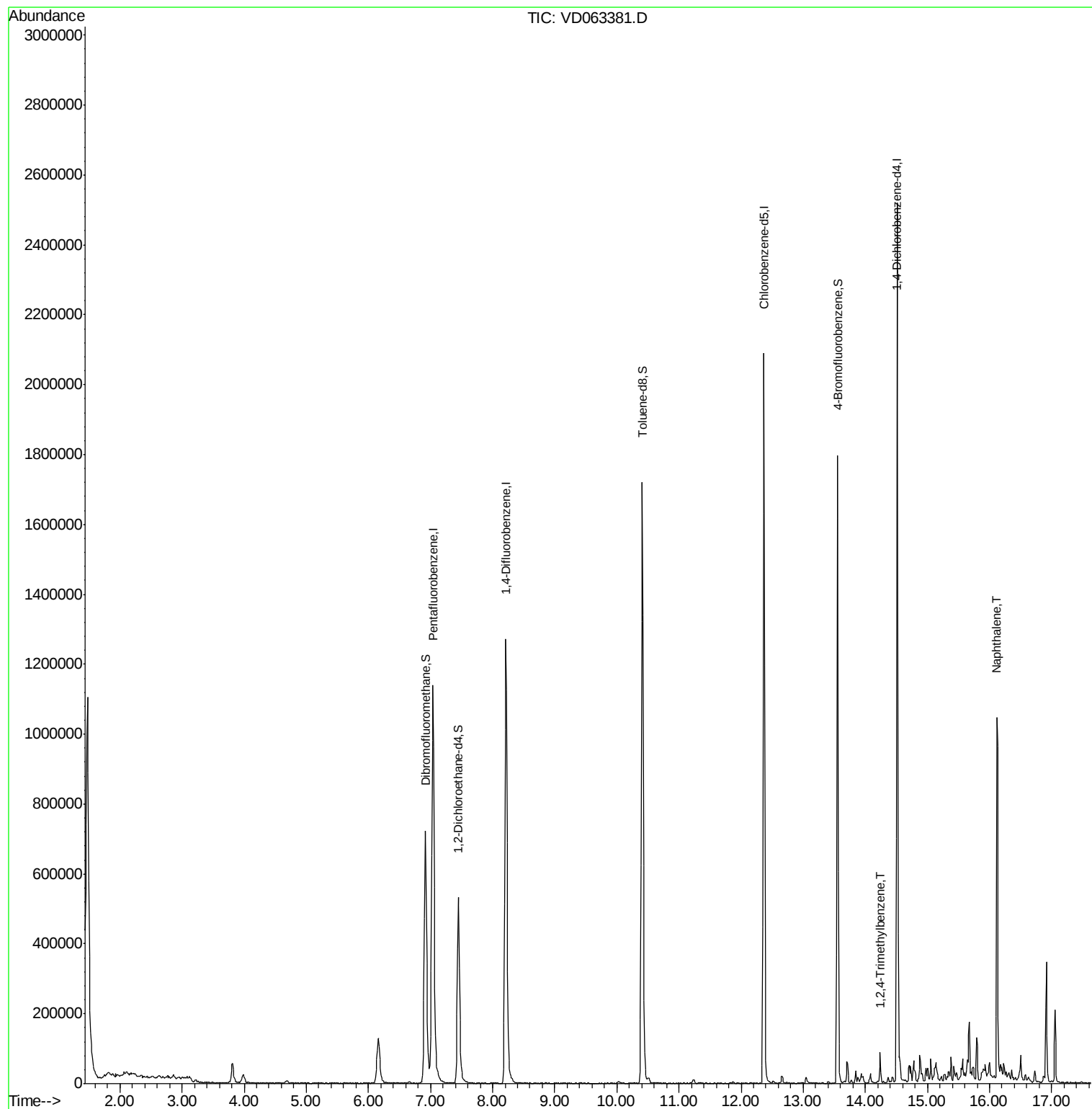
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1107890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1438642	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1169207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	577344	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	607867	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	6.91	113	656751	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.41	98	1354142	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	13.56	95	517285	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	14.24	105	37682	1.166	ug/l	95
95) Naphthalene	16.13	128	713131	39.932	ug/l	97

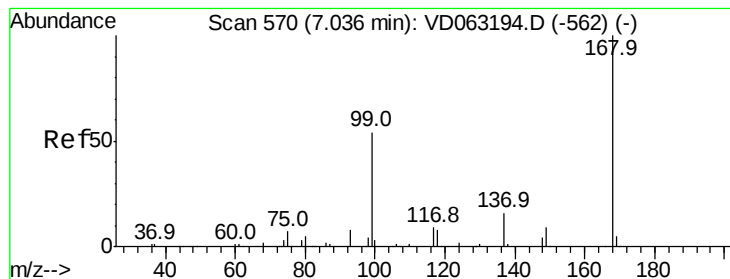
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063381.D

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Instrument :

MSVOA_D

ClientSampleId :

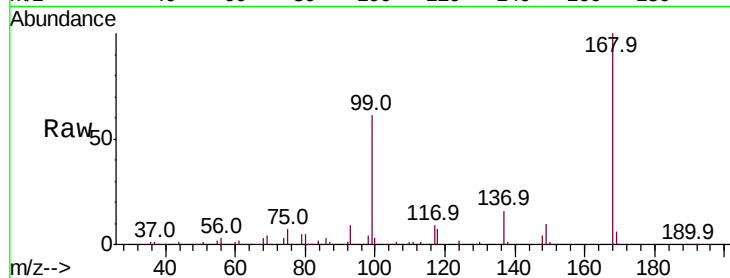
OR-02-080219-B

Tot Ion:168 Resp: 1107890

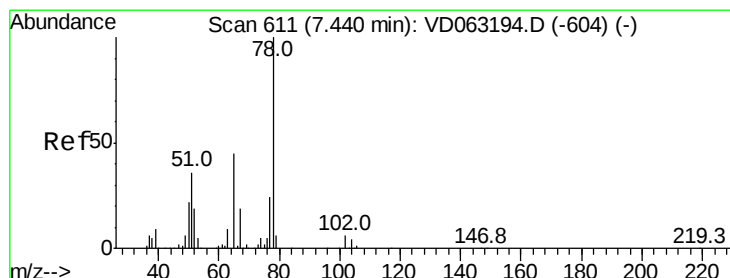
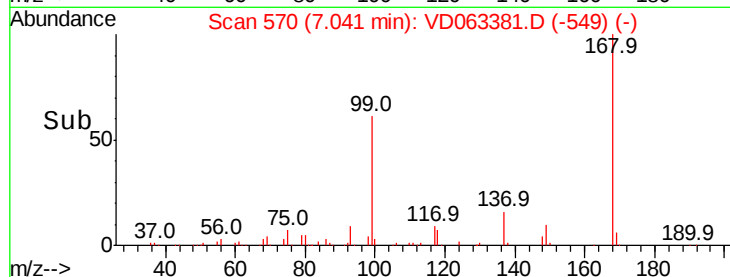
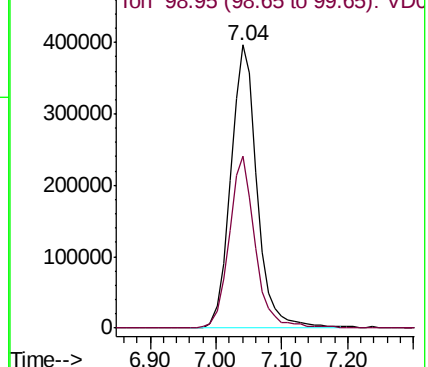
Ion Ratio Lower Upper

168 100

99 61.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V



#33

1,2-Dichloroethane-d4

Concen: 49.448 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063381.D

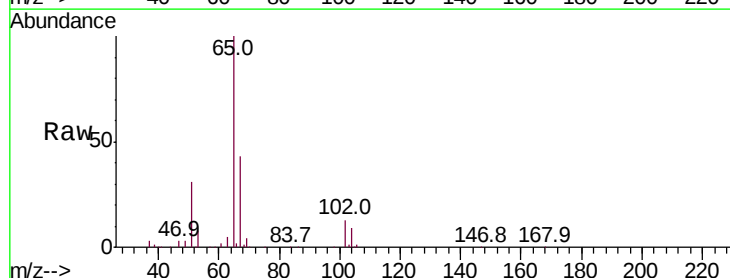
Acq: 5 Aug 2019 15:27

Tgt Ion: 65 Resp: 607867

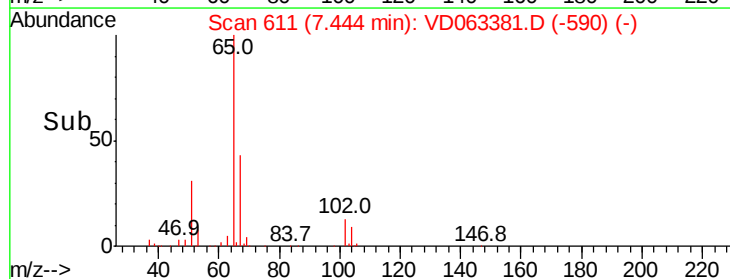
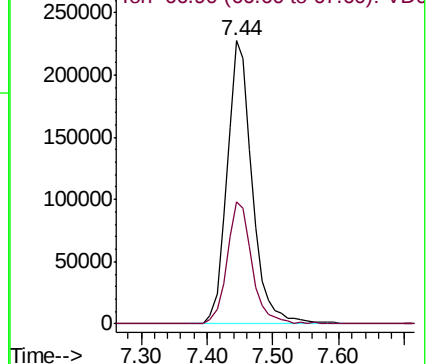
Ion Ratio Lower Upper

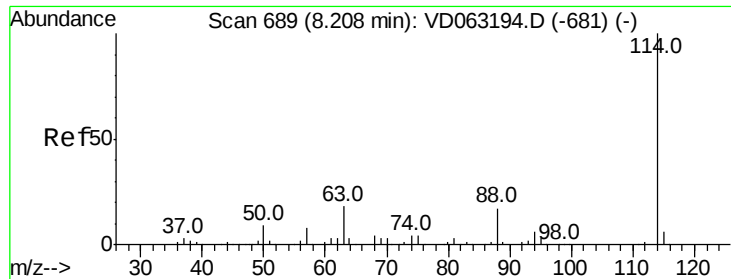
65 100

67 43.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

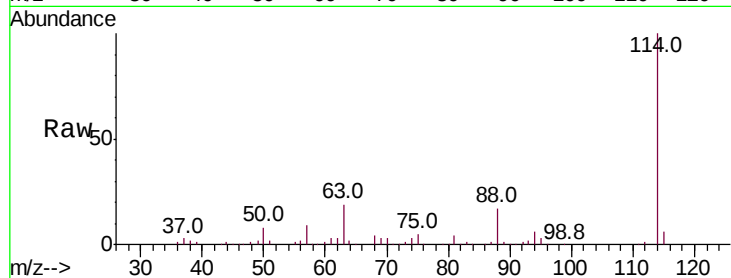




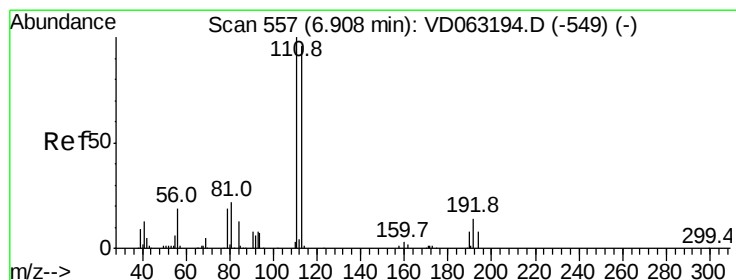
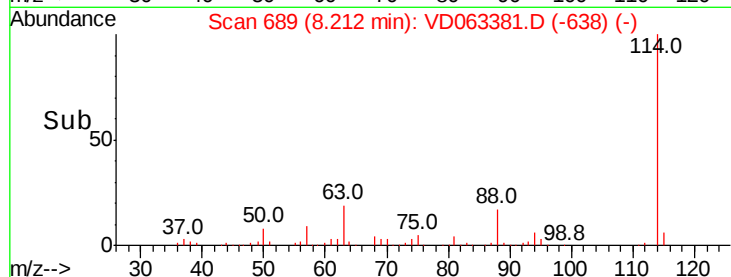
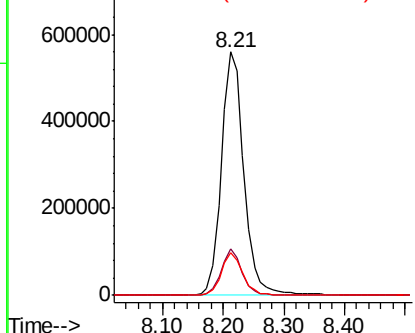
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063381.D
 Acq: 5 Aug 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-080219-B

Tot Ion:114 Resp: 1438642
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.2
 88 17.3 0.0 34.6

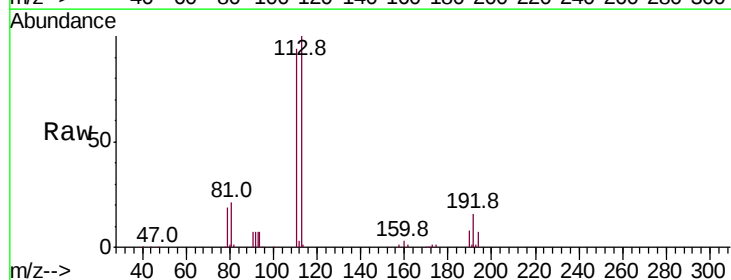


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

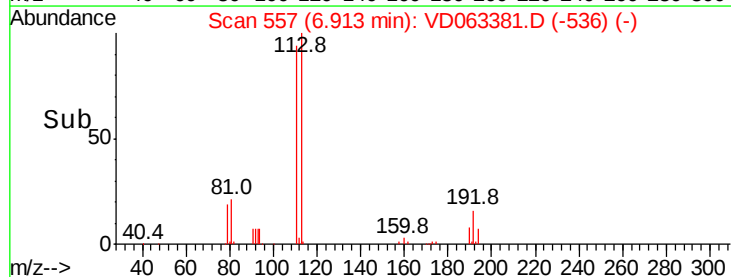
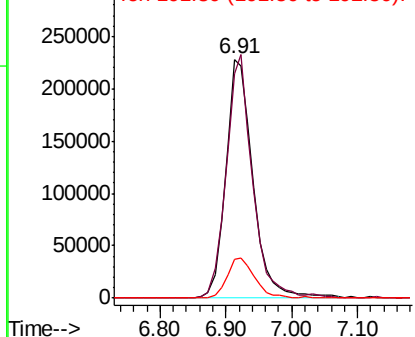


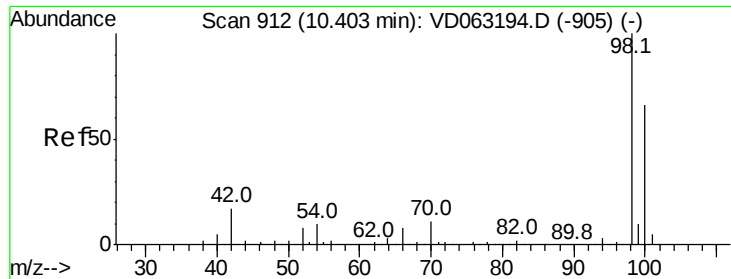
#35
 Dibromofluoromethane
 Concen: 53.469 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063381.D
 Acq: 5 Aug 2019 15:27

Tgt Ion:113 Resp: 656751
 Ion Ratio Lower Upper
 113 100
 111 94.1 83.2 124.8
 192 16.3 11.8 17.8



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





#50

Toluene-d8

Concen: 49.261 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063381.D

Acq: 5 Aug 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

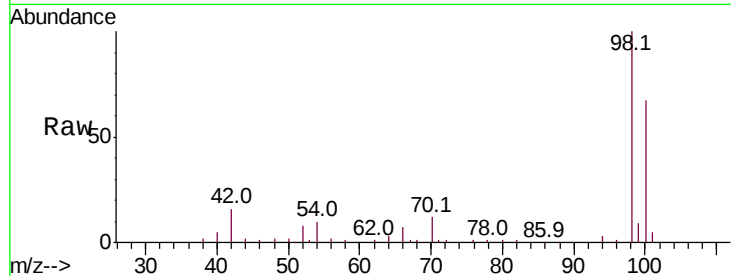
OR-02-080219-B

Tot Ion: 98 Resp: 1354142

Ion Ratio Lower Upper

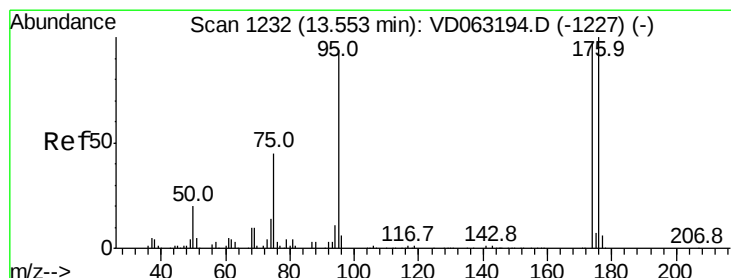
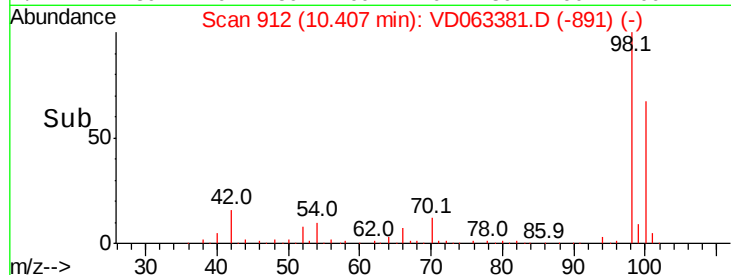
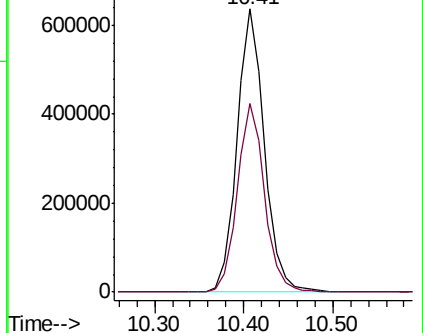
98 100

100 66.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 41.295 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063381.D

Acq: 5 Aug 2019 15:27

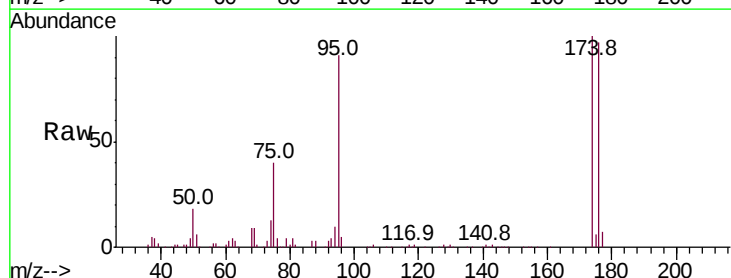
Tgt Ion: 95 Resp: 517285

Ion Ratio Lower Upper

95 100

174 110.5 0.0 205.4

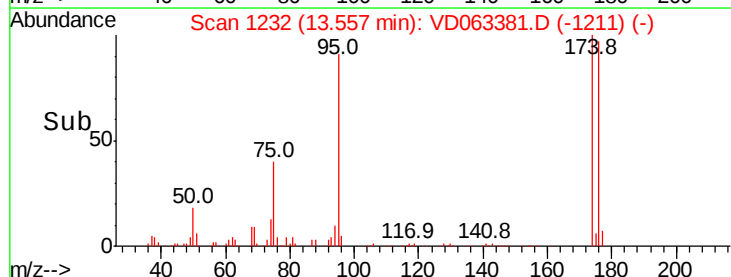
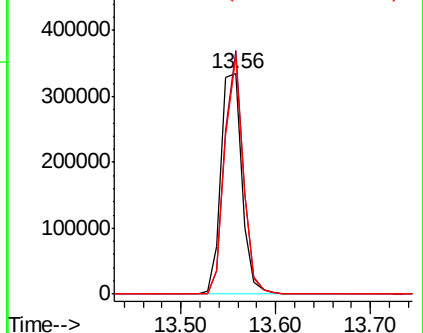
176 107.5 0.0 211.8

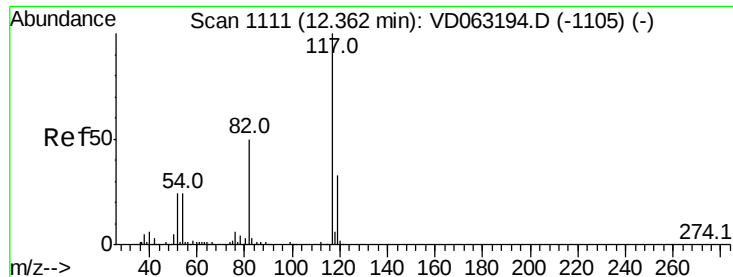


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

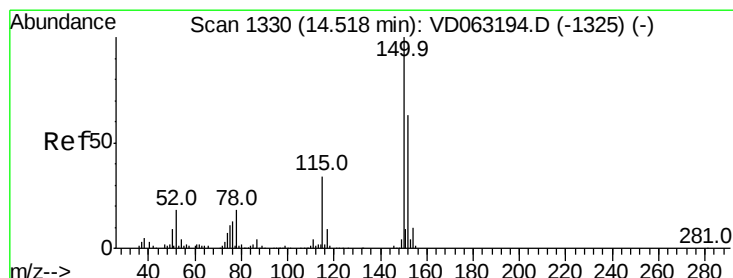
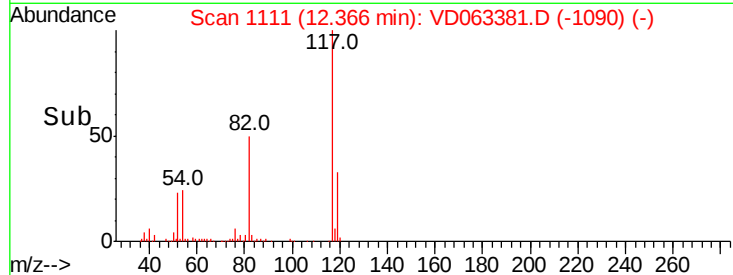
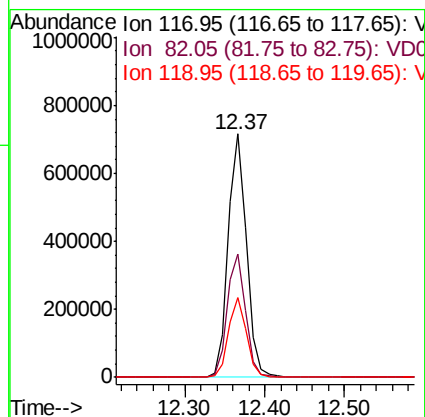
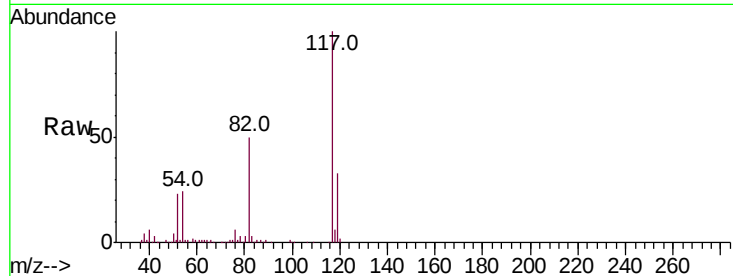




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063381.D
Acq: 5 Aug 2019 15:27

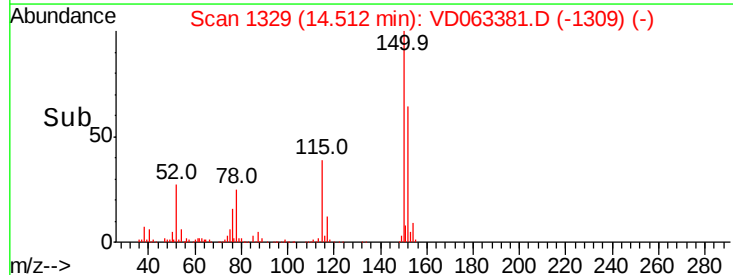
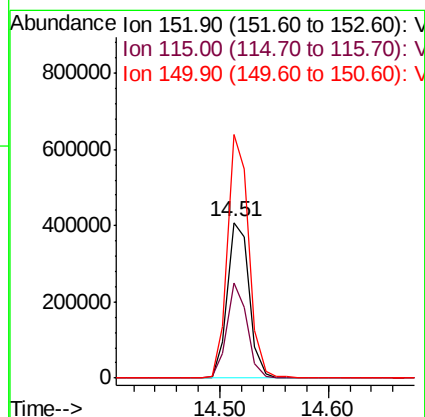
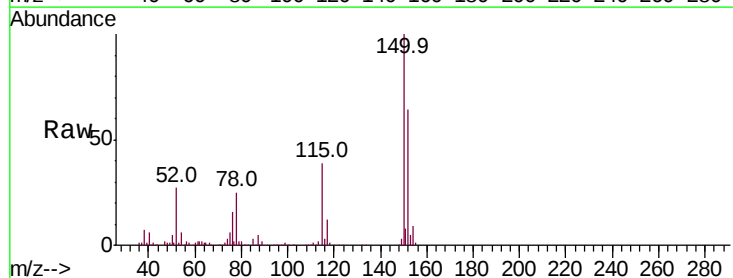
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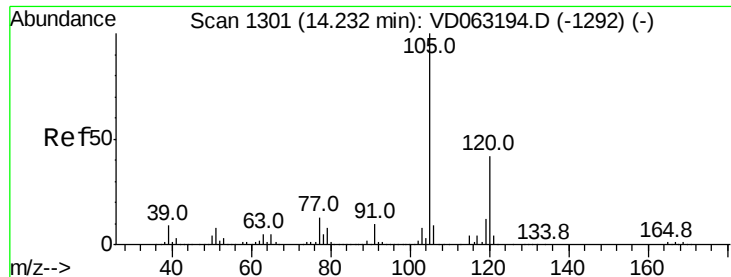
Tot Ion:117 Resp: 1169207
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063381.D
Acq: 5 Aug 2019 15:27

Tgt Ion:152 Resp: 577344
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.4
150 156.7 0.0 320.6

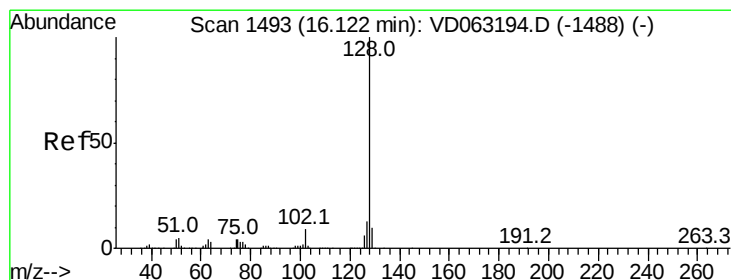
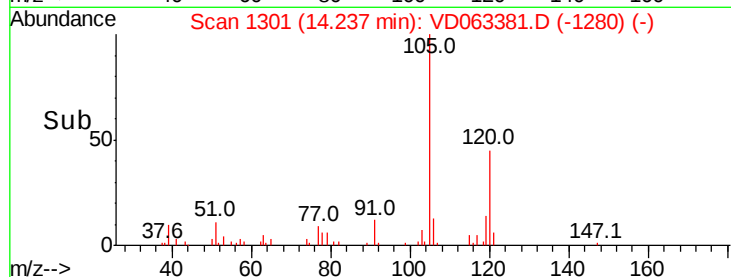
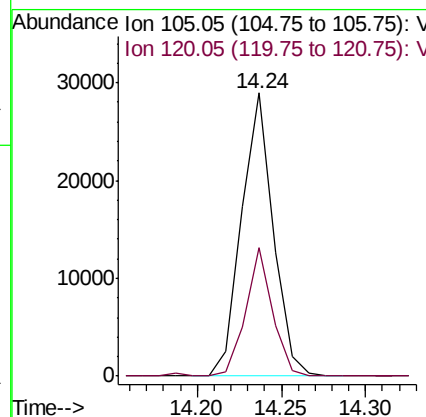
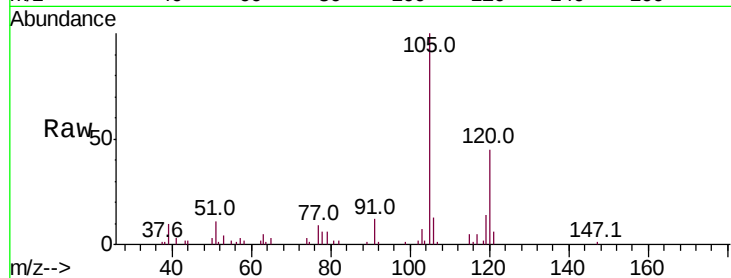




#84
 1,2,4-Trimethylbenzene
 Concen: 1.166 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063381.D
 Acq: 5 Aug 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-080219-B

Tot Ion:105 Resp: 37682
 Ion Ratio Lower Upper
 105 100
 120 45.2 20.9 62.7



#95
 Naphthalene
 Concen: 39.932 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD063381.D
 Acq: 5 Aug 2019 15:27

Tgt Ion:128 Resp: 713131
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.2 15.4
 129 10.1 7.8 11.8

