

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063201.D
 Acq On : 29 Jul 2019 16:12
 Operator : VA/AP
 Sample : K4021-09RE
 Misc : 9.01g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

Quant Time: Jul 30 05:18:13 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

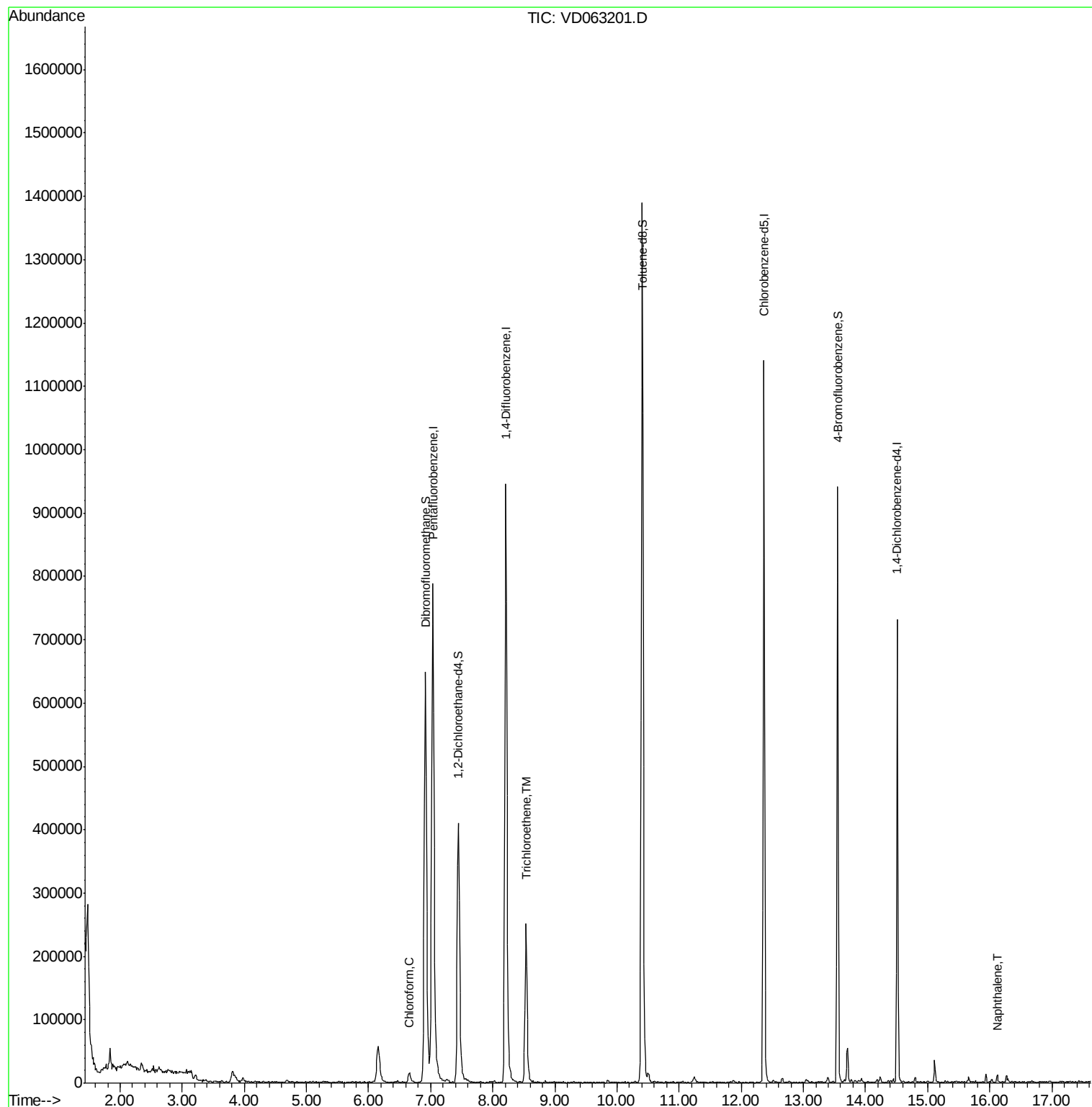
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	761438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1006787	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	603586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	174202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	502284	59.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.90%	
35) Dibromofluoromethane	6.92	113	578323	67.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	134.56%	
50) Toluene-d8	10.40	98	1110129	57.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.42%	
62) 4-Bromofluorobenzene	13.56	95	274606	31.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.64%	
Target Compounds						
30) Chloroform	6.65	83	16775	1.126	ug/l	91
44) Trichloroethene	8.53	130	107320	13.754	ug/l	79
95) Naphthalene	16.12	128	6922	1.285	ug/l #	69

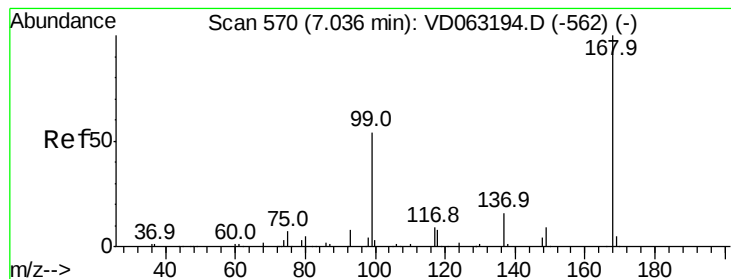
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063201.D
Acq On : 29 Jul 2019 16:12
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ClientSampleId :
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Quant Time: Jul 30 05:18:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

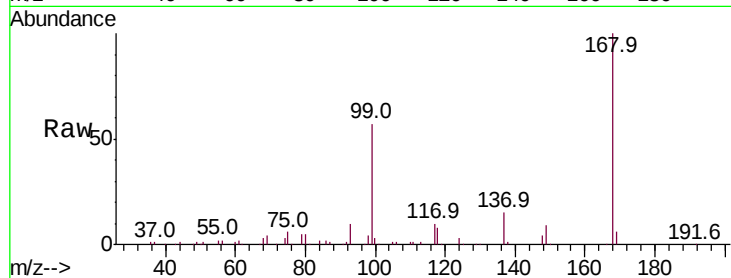
TP-7RE

Tot Ion:168 Resp: 761438

Ion Ratio Lower Upper

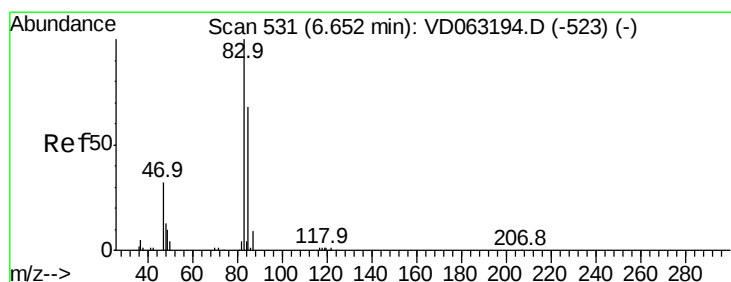
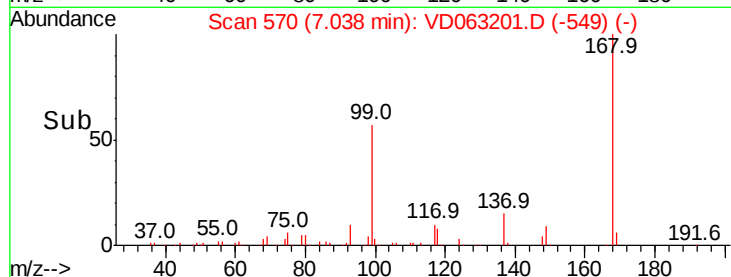
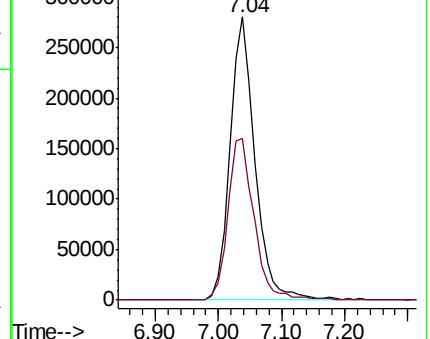
168 100

99 57.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#30

Chloroform

Concen: 1.126 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063201.D

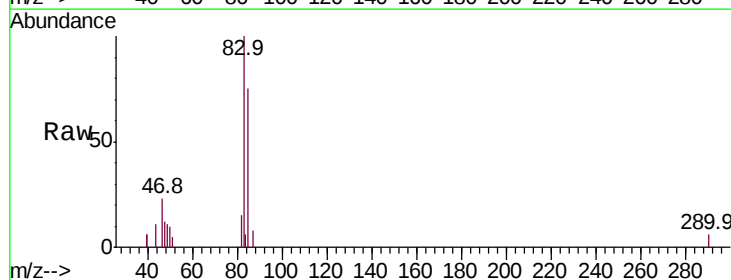
Acq: 29 Jul 2019 16:12

Tgt Ion: 83 Resp: 16775

Ion Ratio Lower Upper

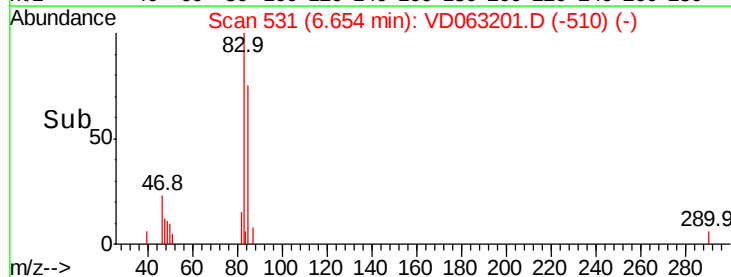
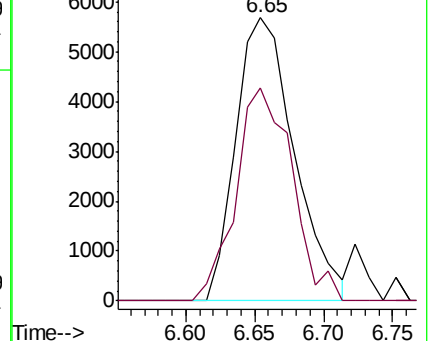
83 100

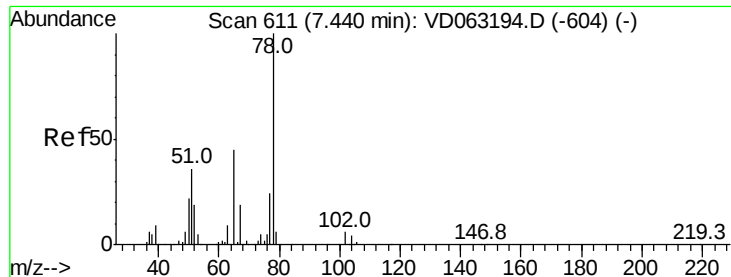
85 75.1 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.450 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

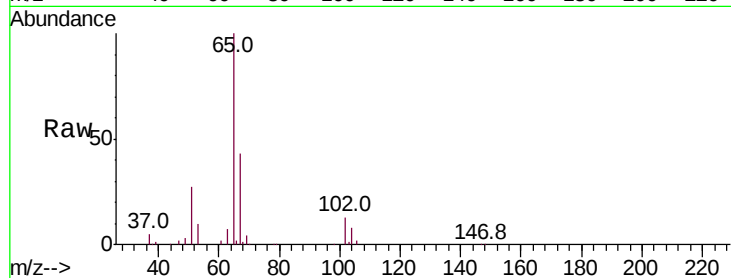
TP-7RE

Tot Ion: 65 Resp: 502284

Ion Ratio Lower Upper

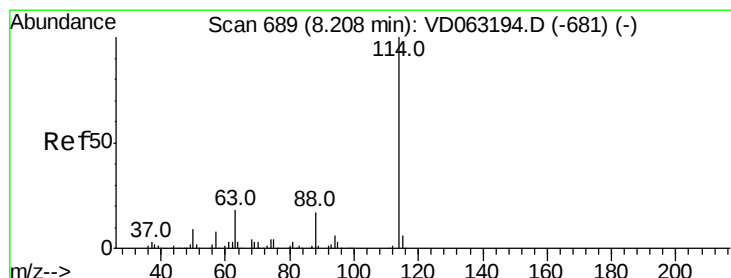
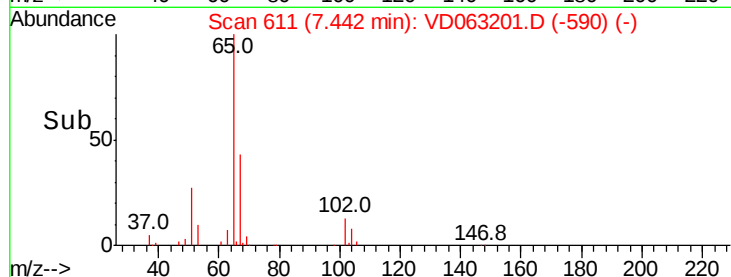
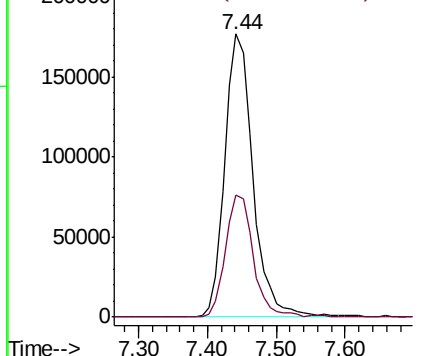
65 100

67 43.0 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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

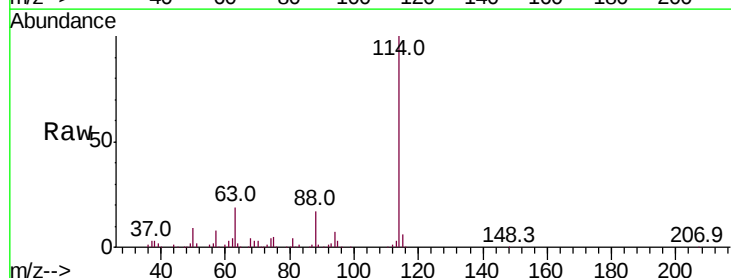
Tgt Ion: 114 Resp: 1006787

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.2

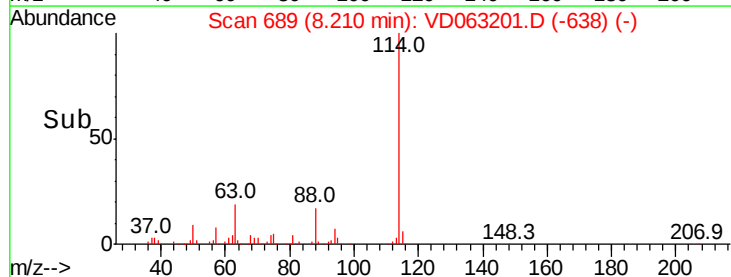
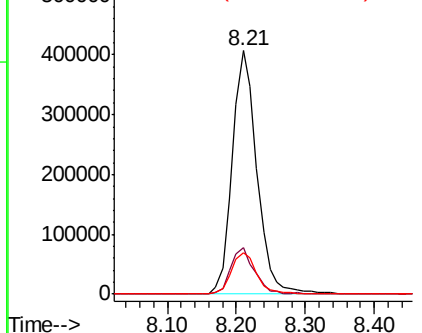
88 16.7 0.0 34.6

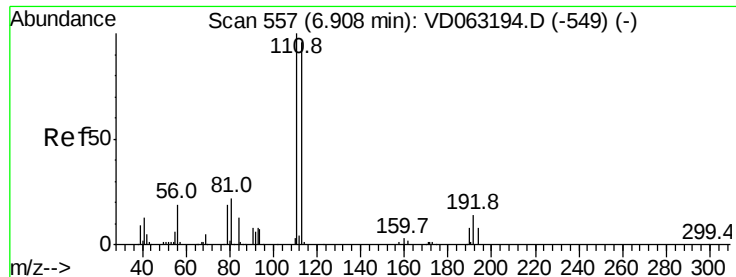


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

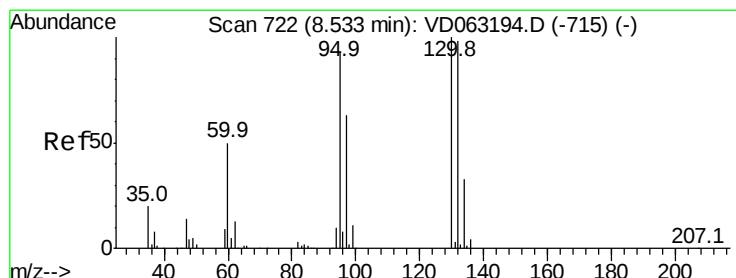
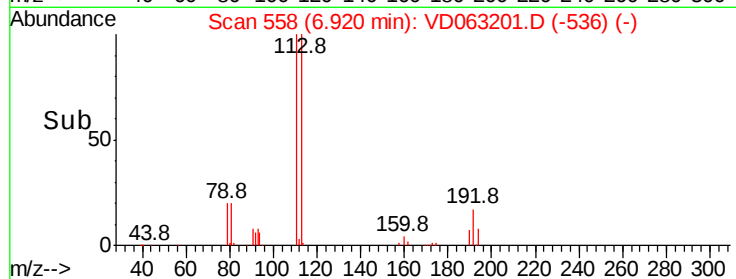
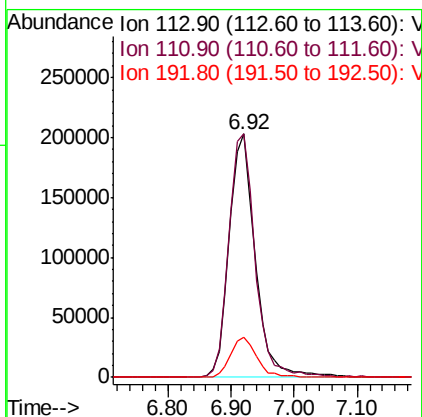
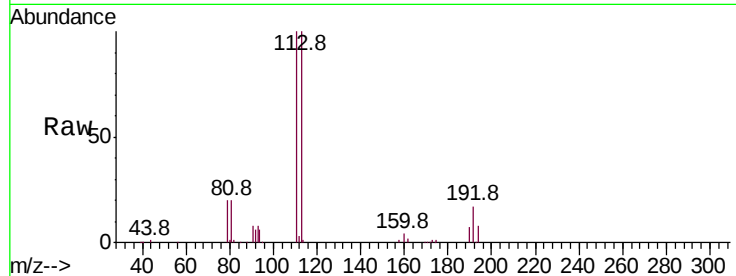




#35
 Dibromofluoromethane
 Concen: 67.280 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063201.D
 Acq: 29 Jul 2019 16:12

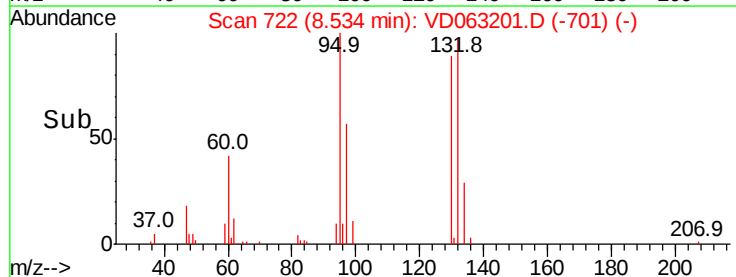
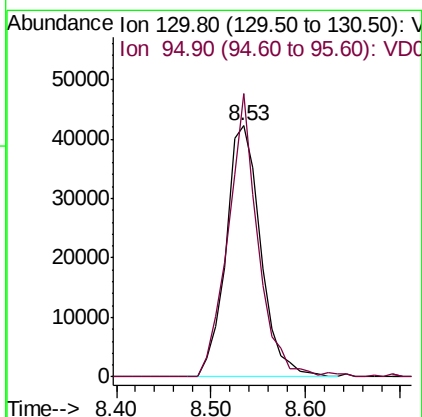
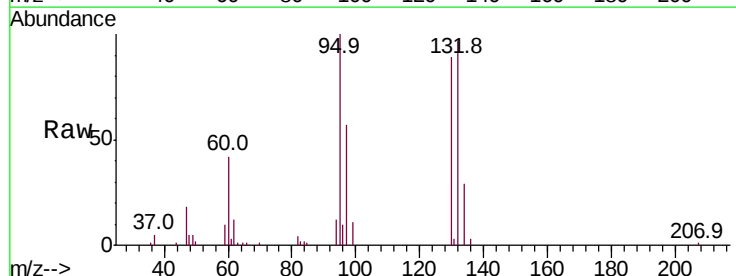
Instrument :
 MSVOA_D
 ClientSampled :
 TP-7RE

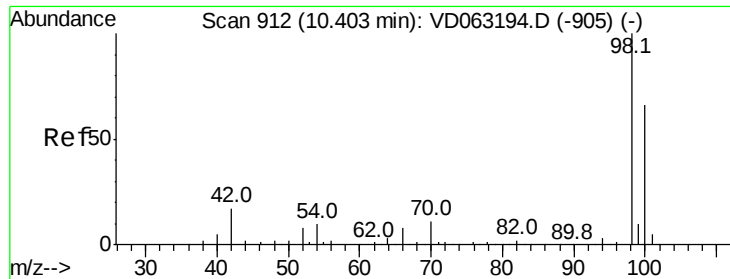
Tot Ion:113 Resp: 578323
 Ion Ratio Lower Upper
 113 100
 111 99.8 83.2 124.8
 192 16.7 11.8 17.8



#44
 Trichloroethene
 Concen: 13.754 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063201.D
 Acq: 29 Jul 2019 16:12

Tgt Ion:130 Resp: 107320
 Ion Ratio Lower Upper
 130 100
 95 112.7 0.0 185.4





#50

Toluene-d8

Concen: 57.707 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleID :

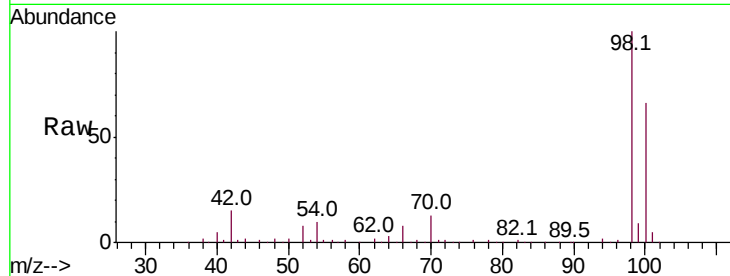
TP-7RE

Tot Ion: 98 Resp: 1110129

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.40

500000

400000

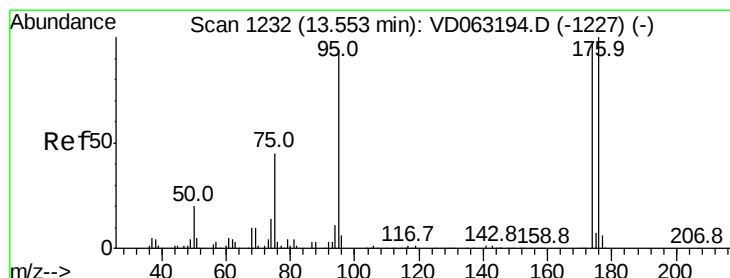
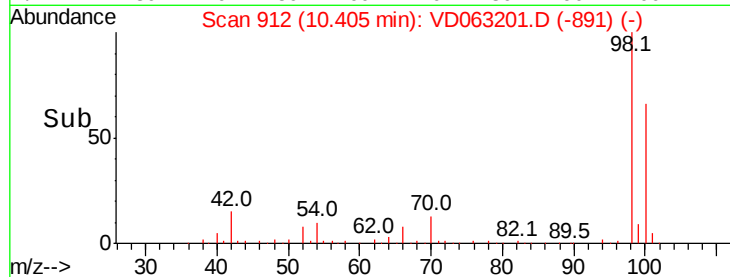
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 31.325 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

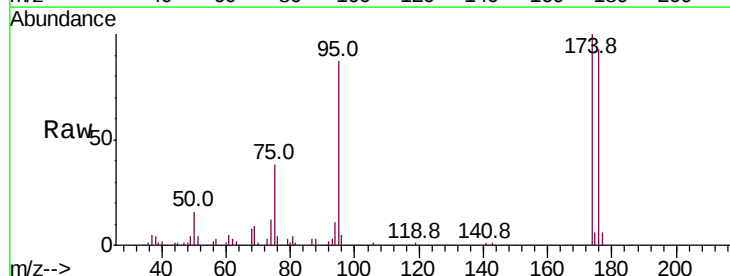
Tgt Ion: 95 Resp: 274606

Ion Ratio Lower Upper

95 100

174 114.3 0.0 205.4

176 106.8 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

250000

200000

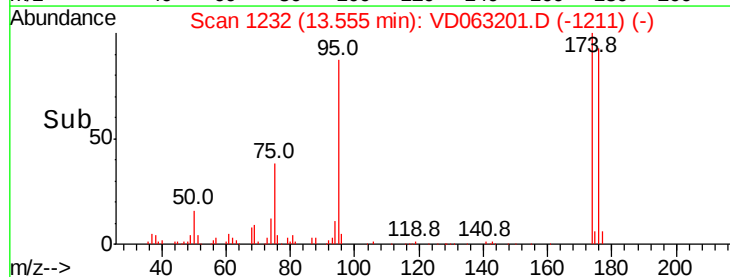
150000

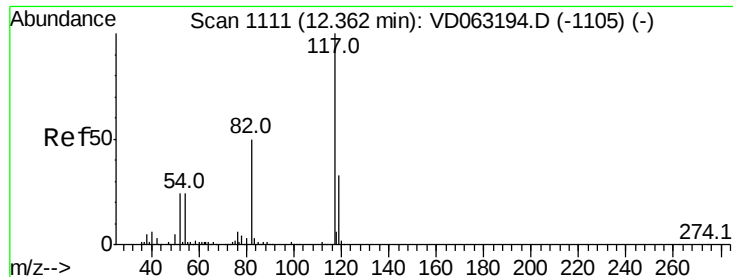
100000

50000

0

Time-->

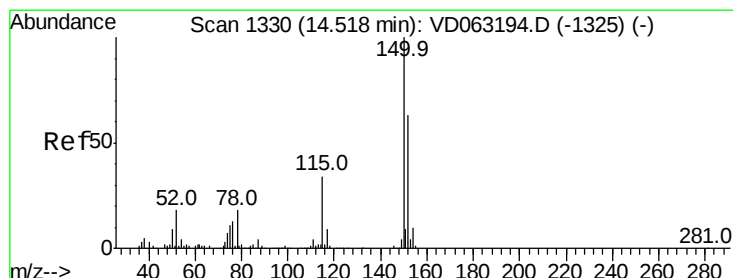
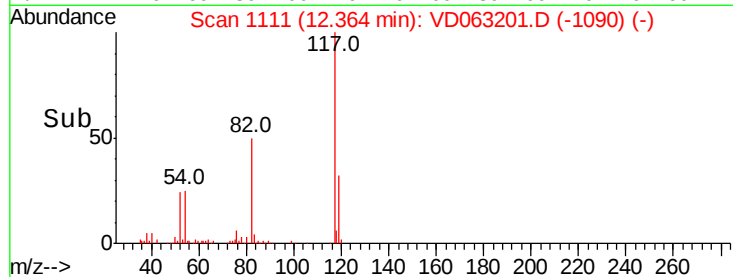
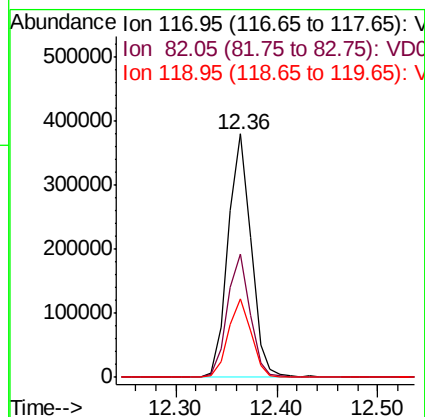
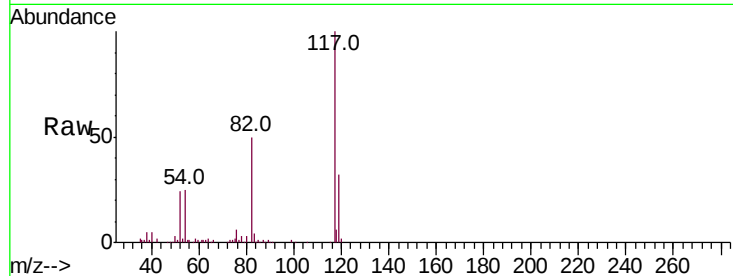




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

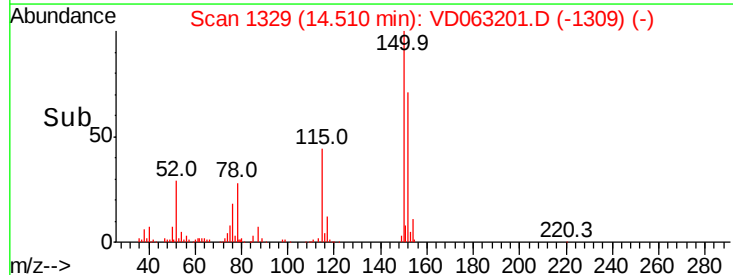
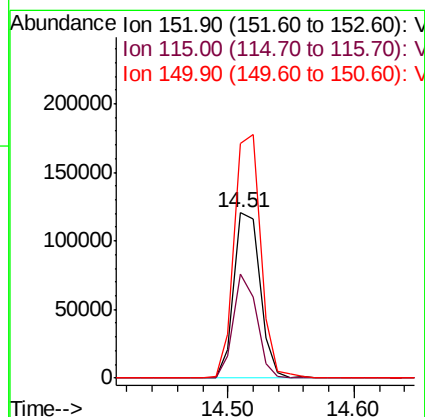
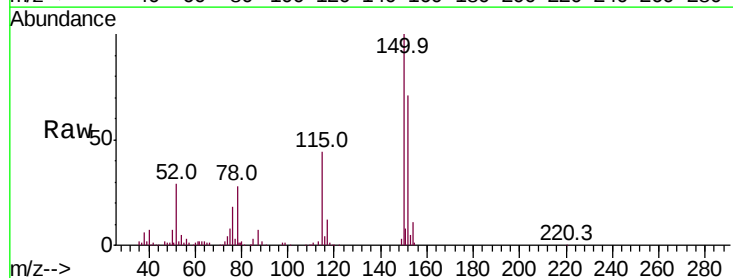
Instrument :
MSVOA_D
ClientSampled :
TP-7RE

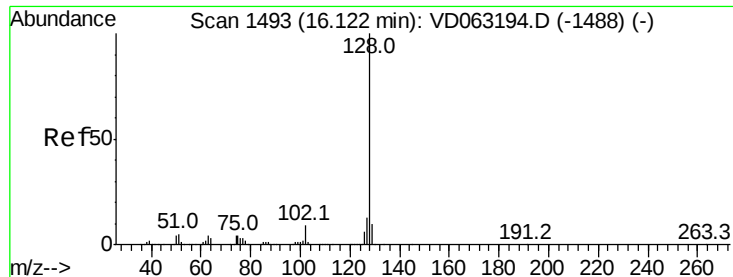
Tot Ion:117 Resp: 603586
Ion Ratio Lower Upper
117 100
82 50.4 40.1 60.1
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063201.D
Acq: 29 Jul 2019 16:12

Tgt Ion:152 Resp: 174202
Ion Ratio Lower Upper
152 100
115 62.8 27.5 82.4
150 141.8 0.0 320.6





#95

Naphthalene

Concen: 1.285 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063201.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

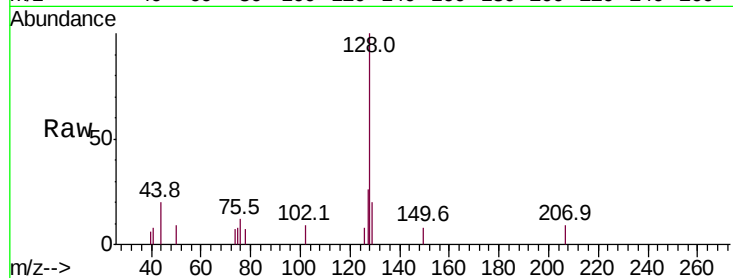
Tot Ion:128 Resp: 6922

Ion Ratio Lower Upper

128 100

127 26.2 10.2 15.4#

129 19.5 7.8 11.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

