

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063262.D
 Acq On : 31 Jul 2019 2:54
 Operator : VA/AP
 Sample : K4049-12RE
 Misc : 4.33g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12RE

Quant Time: Jul 31 06:53:11 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

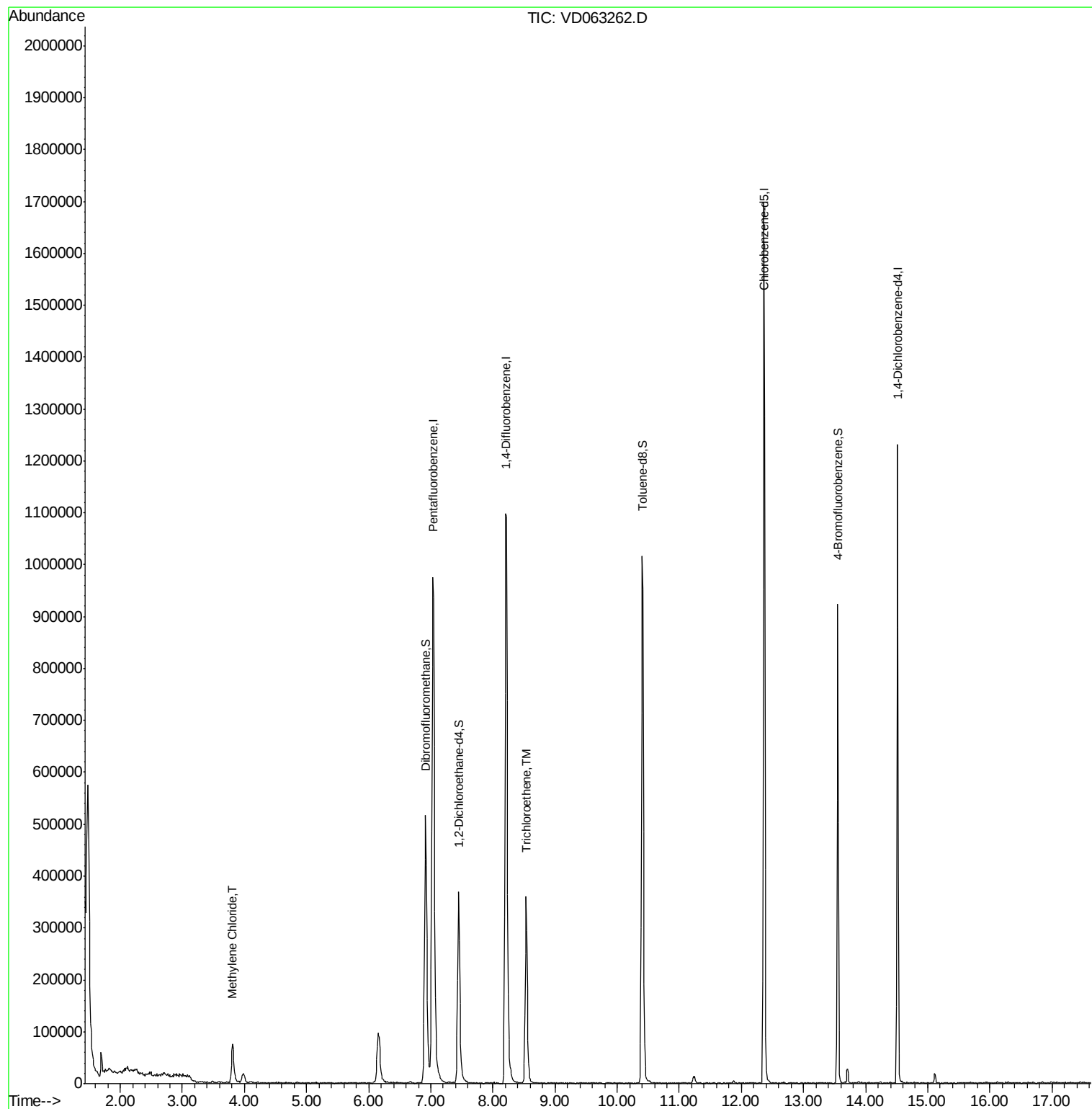
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	981809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1250461	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	926734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	274580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	411420	37.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.54%	
35) Dibromofluoromethane	6.92	113	437914	41.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.04%	
50) Toluene-d8	10.40	98	831452	34.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.60%	
62) 4-Bromofluorobenzene	13.55	95	255085	23.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.86%	
Target Compounds						
20) Methylene Chloride	3.81	84	45900	5.350	ug/l #	77
44) Trichloroethene	8.53	130	144443	14.904	ug/l	85

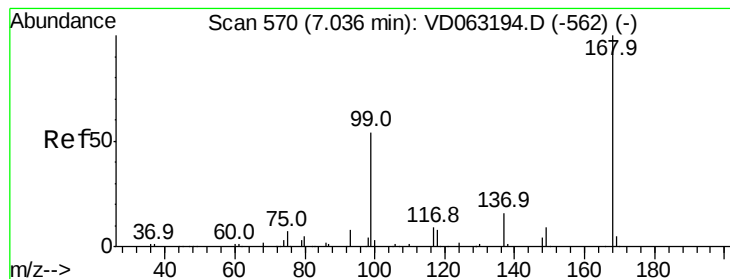
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

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MSVOA_D

ClientSampleId :

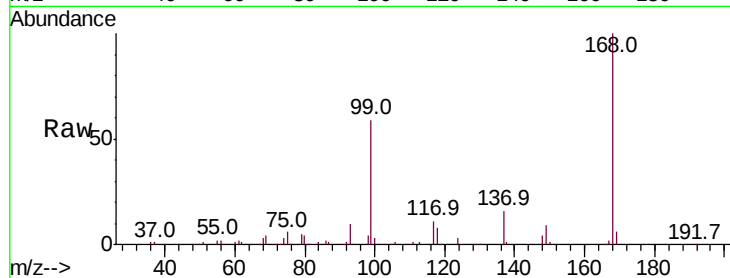
SP-12RE

Tot Ion:168 Resp: 981809

Ion Ratio Lower Upper

168 100

99 59.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

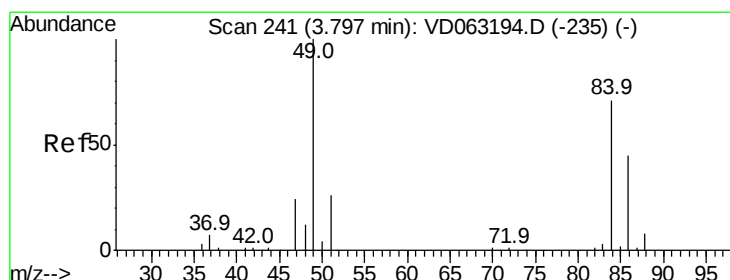
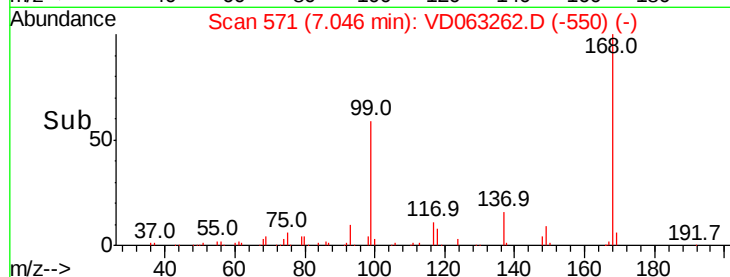
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 5.350 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063262.D

Acq: 31 Jul 2019 2:54

Tgt Ion: 84 Resp: 45900

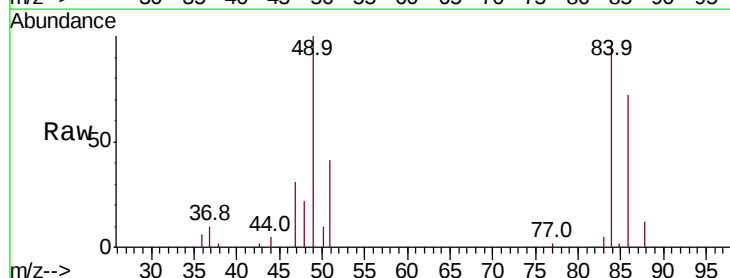
Ion Ratio Lower Upper

84 100

49 105.8 112.5 168.7#

51 43.8 29.6 44.4

86 75.9 50.4 75.6#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

25000

20000

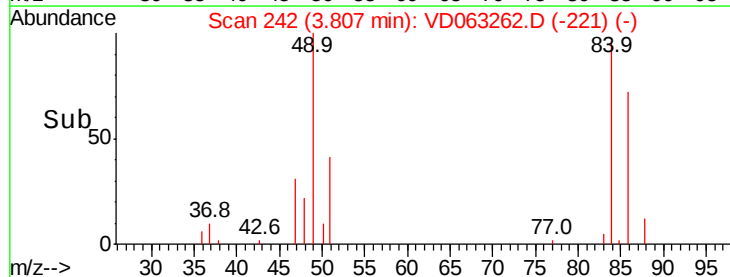
15000

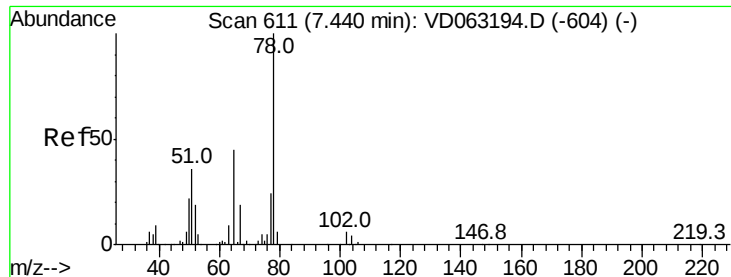
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 37.765 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063262.D

Acq: 31 Jul 2019 2:54

Instrument :

MSVOA_D

ClientSampleId :

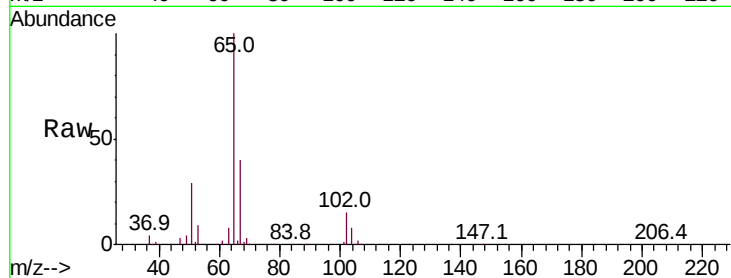
SP-12RE

Tot Ion: 65 Resp: 411420

Ion Ratio Lower Upper

65 100

67 39.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

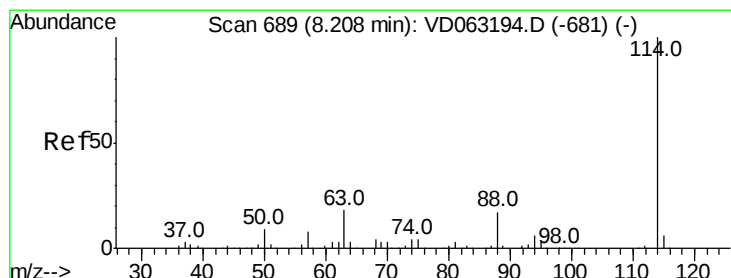
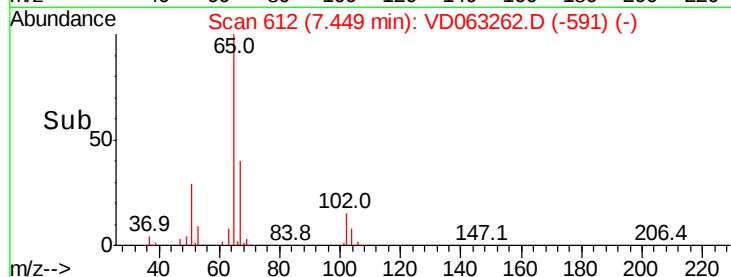
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063262.D

Acq: 31 Jul 2019 2:54

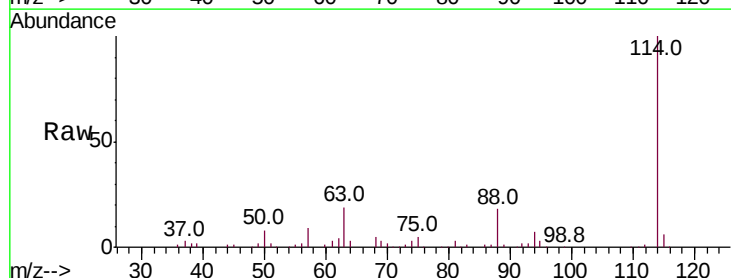
Tgt Ion: 114 Resp: 1250461

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

88 18.1 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

600000

500000

400000

300000

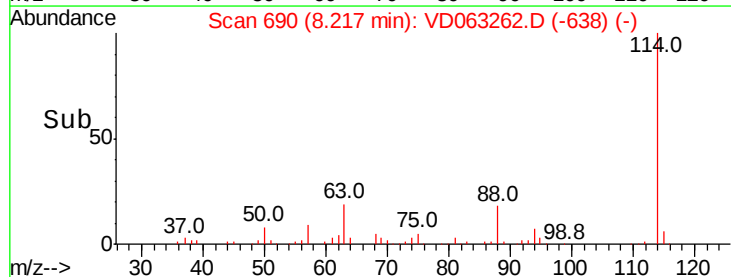
200000

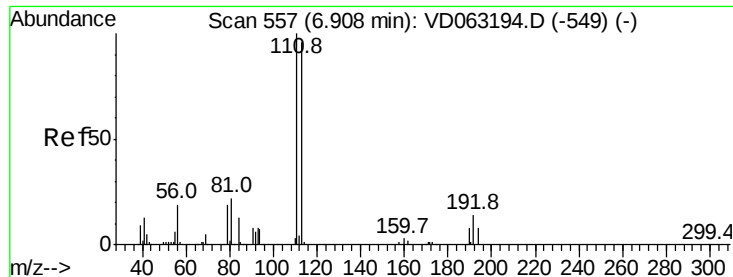
100000

0

Time-->

8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 41.017 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063262.D

Acq: 31 Jul 2019 2:54

Instrument :

MSVOA_D

ClientSampleId :

SP-12RE

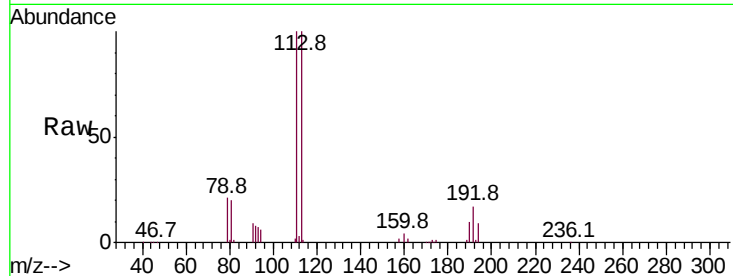
Tot Ion:113 Resp: 437914

Ion Ratio Lower Upper

113 100

111 100.4 83.2 124.8

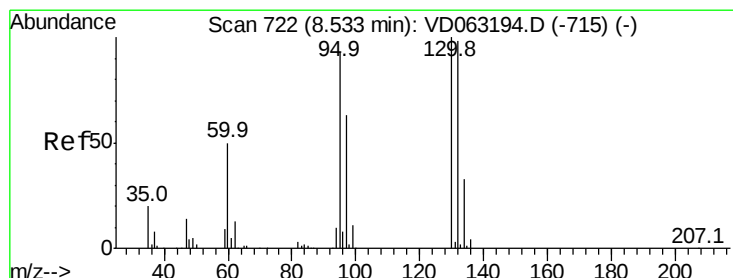
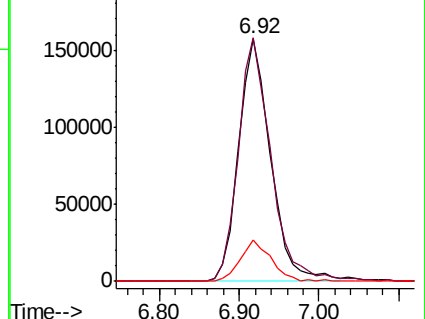
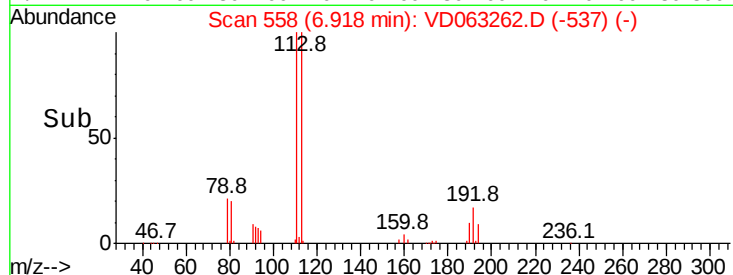
192 17.0 11.8 17.8



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



#44

Trichloroethene

Concen: 14.904 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063262.D

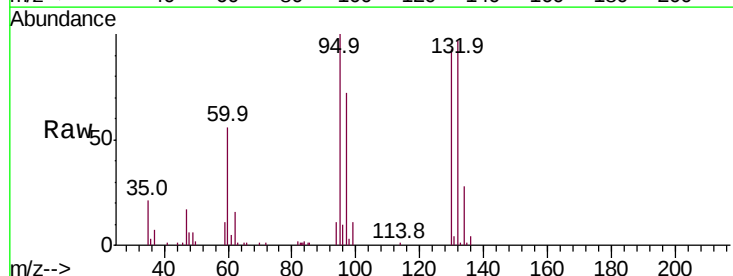
Acq: 31 Jul 2019 2:54

Tgt Ion:130 Resp: 144443

Ion Ratio Lower Upper

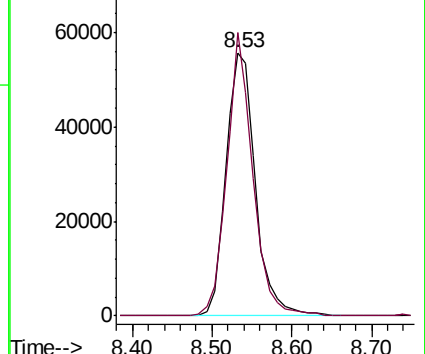
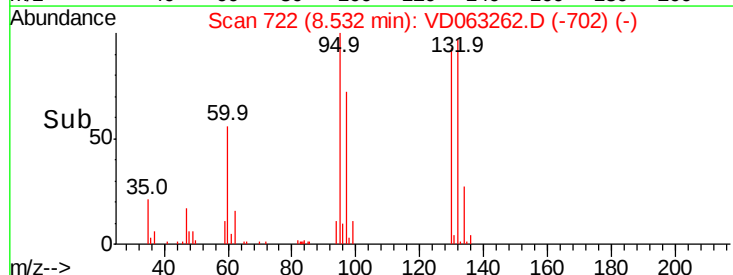
130 100

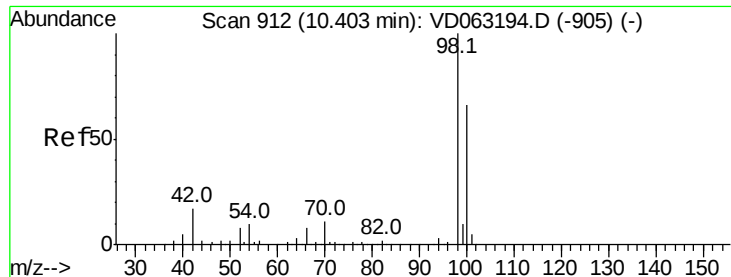
95 107.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

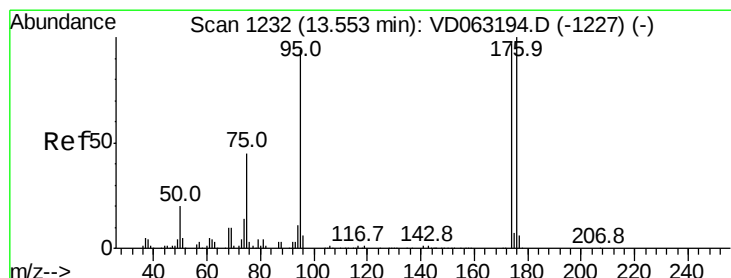
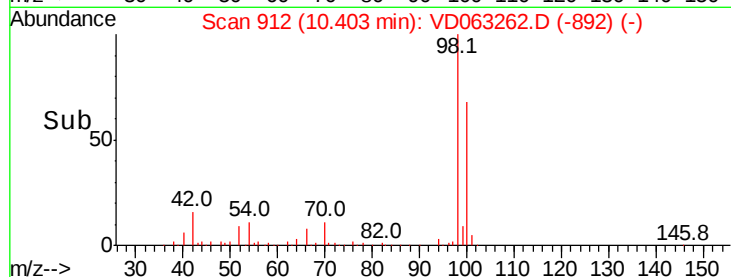
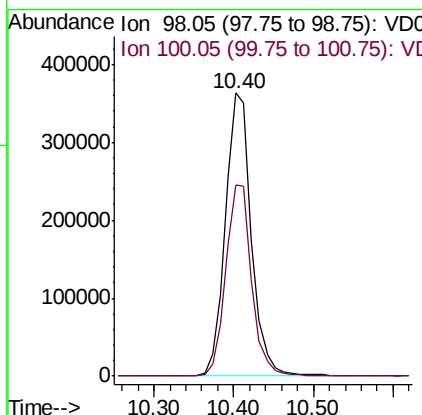
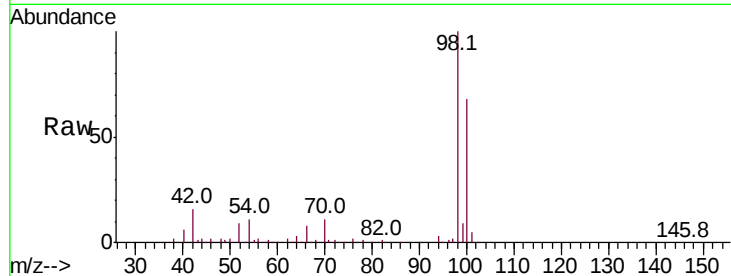




#50
Toluene-d8
Concen: 34.798 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063262.D
Acq: 31 Jul 2019 2:54

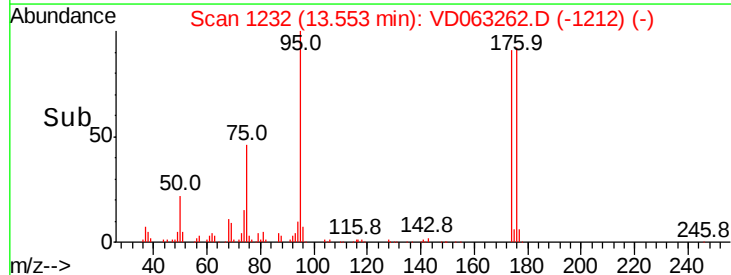
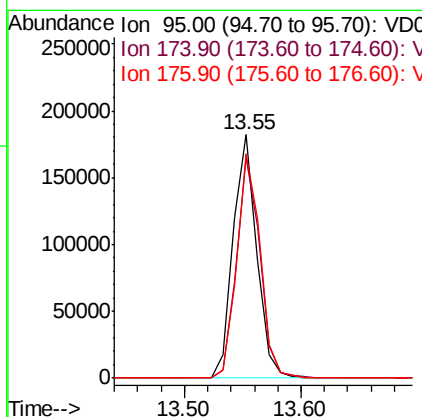
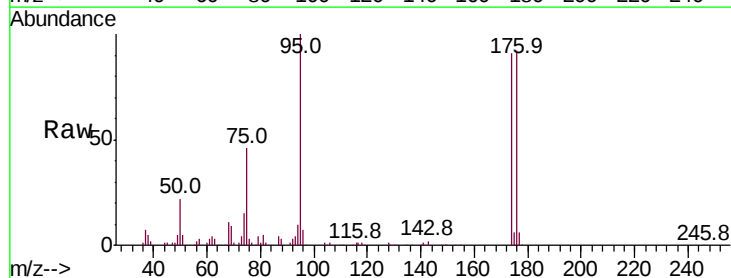
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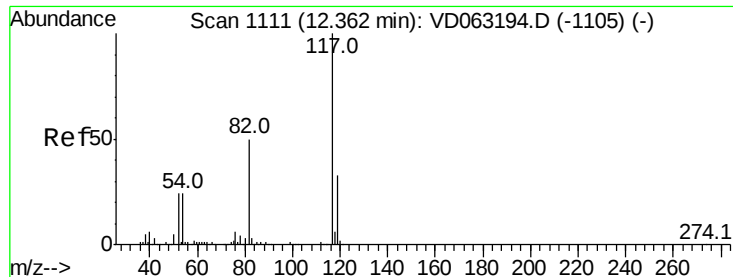
Tot Ion: 98 Resp: 831452
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 23.428 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063262.D
Acq: 31 Jul 2019 2:54

Tgt Ion: 95 Resp: 255085
Ion Ratio Lower Upper
95 100
174 90.8 0.0 205.4
176 92.1 0.0 211.8

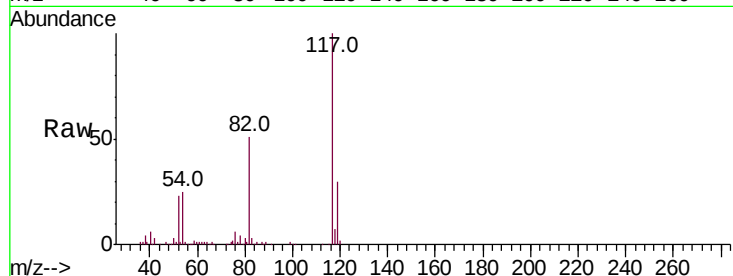




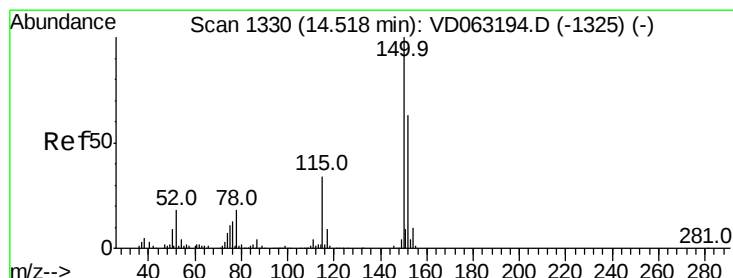
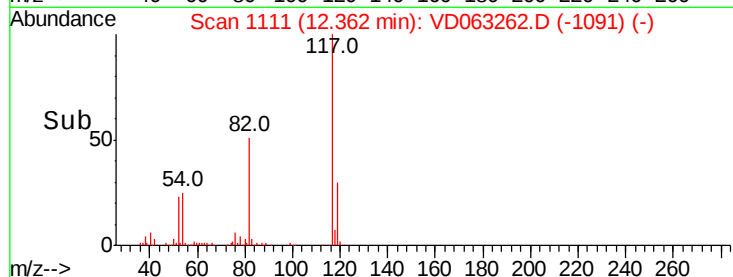
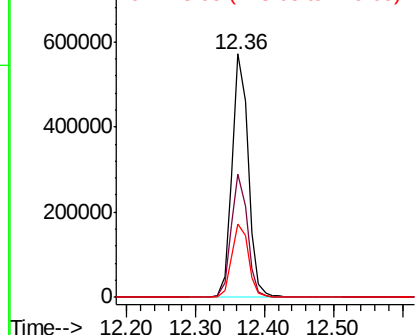
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063262.D
Acq: 31 Jul 2019 2:54

Instrument :
MSVOA_D
ClientSampleId :
SP-12RE

Tot Ion:117 Resp: 926734
Ion Ratio Lower Upper
117 100
82 50.8 40.1 60.1
119 30.0 26.5 39.7

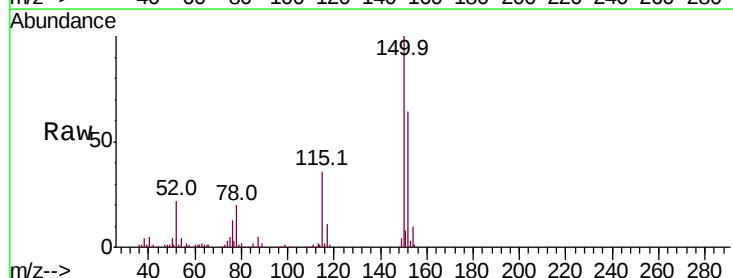


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063262.D
Acq: 31 Jul 2019 2:54

Tgt Ion:152 Resp: 274580
Ion Ratio Lower Upper
152 100
115 56.1 27.5 82.4
150 155.3 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

