

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066328.D
 Acq On : 19 Aug 2020 19:34
 Operator : VA/SY
 Sample : L3712-12
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-25433

Quant Time: Aug 20 07:51:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

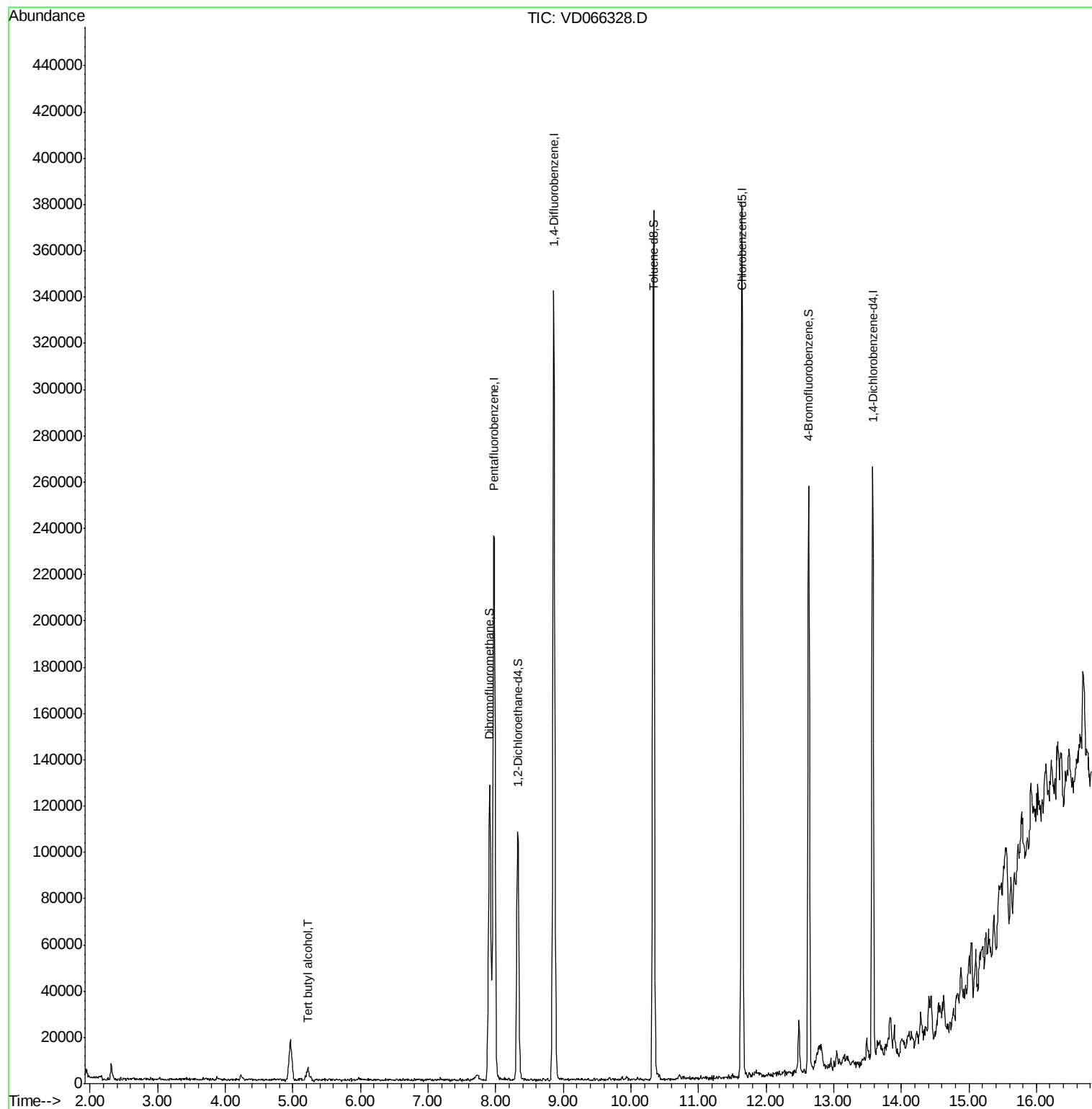
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	183650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	295589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	220434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	75578	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	89710	54.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.50%	
35) Dibromofluoromethane	7.91	113	92821	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
50) Toluene-d8	10.34	98	253323	36.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.32%	
62) 4-Bromofluorobenzene	12.63	95	78479	31.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.02%	
Target Compounds						
11) Tert butyl alcohol	5.21	59	8170	33.950	ug/l #	93

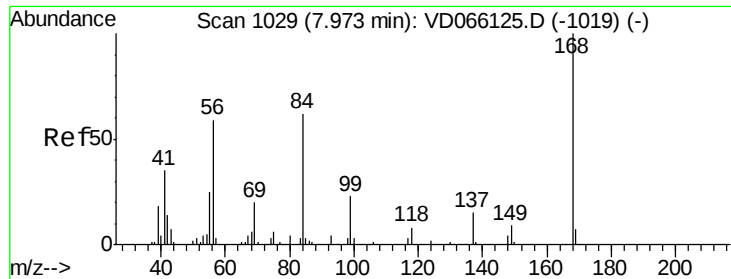
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:49:25 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

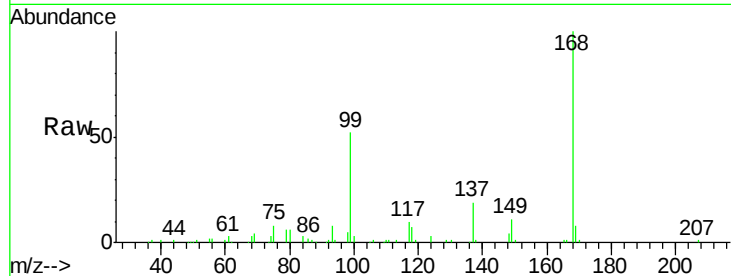
CHRT-25433

Tot Ion:168 Resp: 183650

Ion Ratio Lower Upper

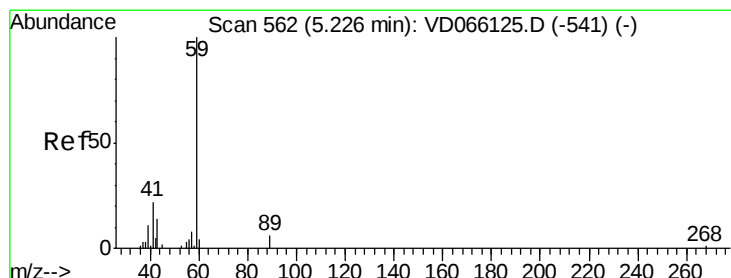
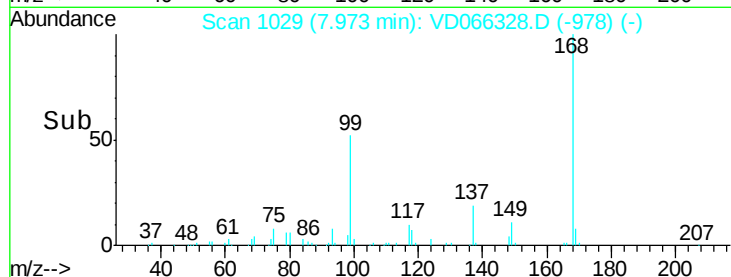
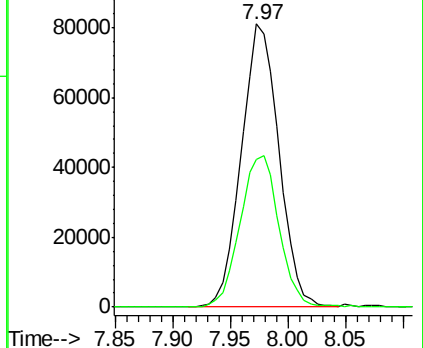
168 100

99 52.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 33.950 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066328.D

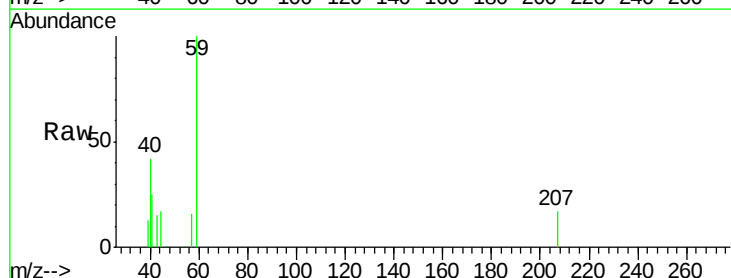
Acq: 19 Aug 2020 19:34

Tgt Ion: 59 Resp: 8170

Ion Ratio Lower Upper

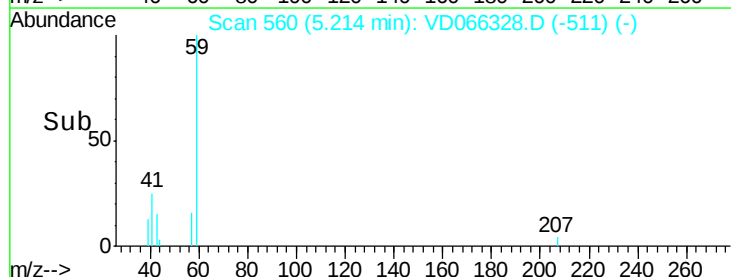
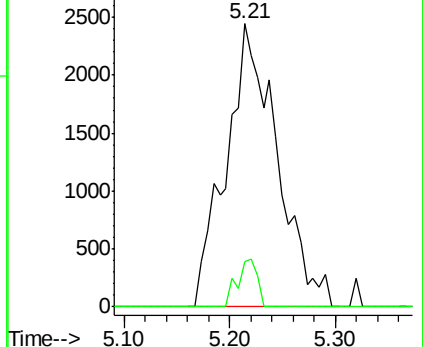
59 100

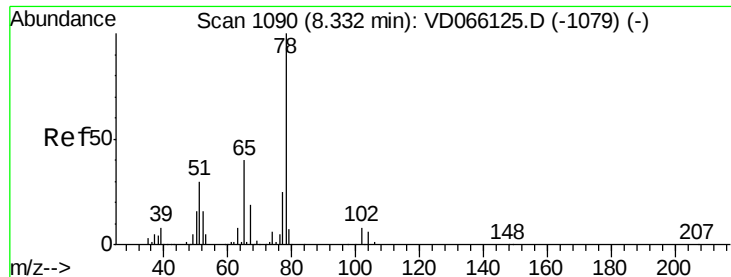
57 6.3 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.753 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

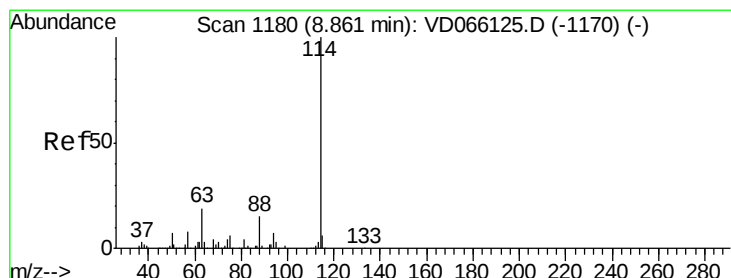
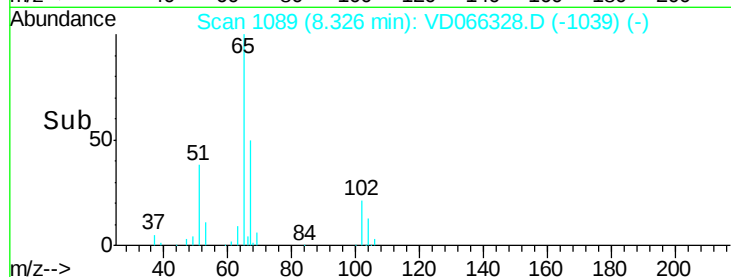
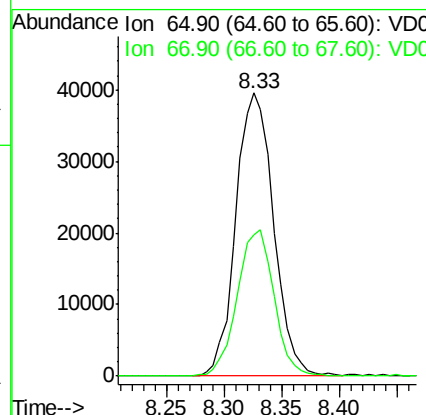
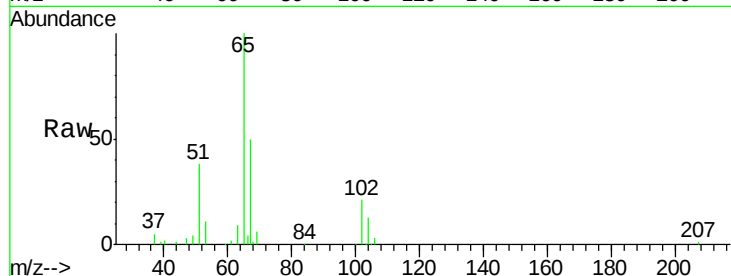
CHRT-25433

Tot Ion: 65 Resp: 89710

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

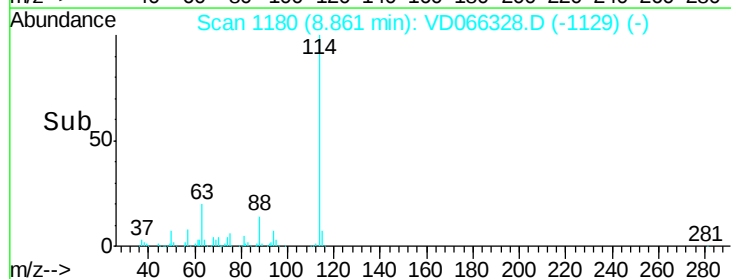
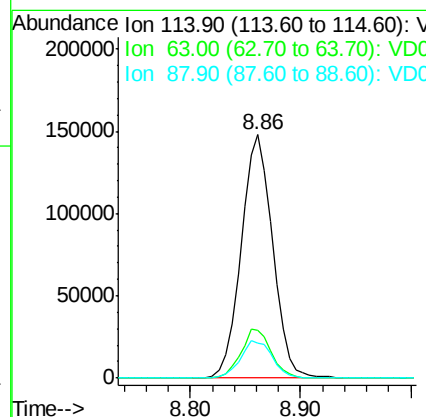
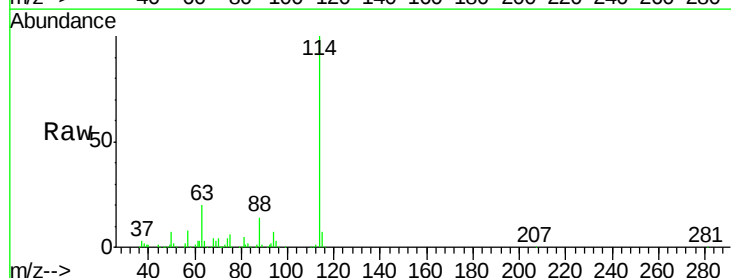
Tgt Ion: 114 Resp: 295589

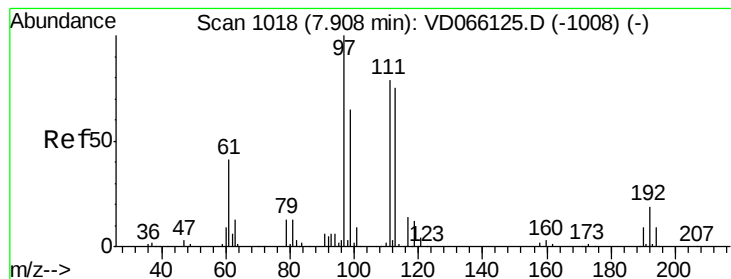
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 14.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.570 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

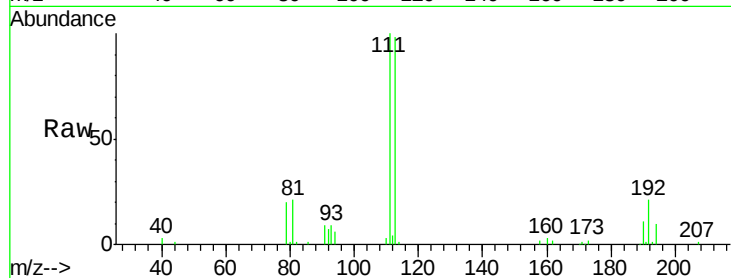
Tot Ion:113 Resp: 92821

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

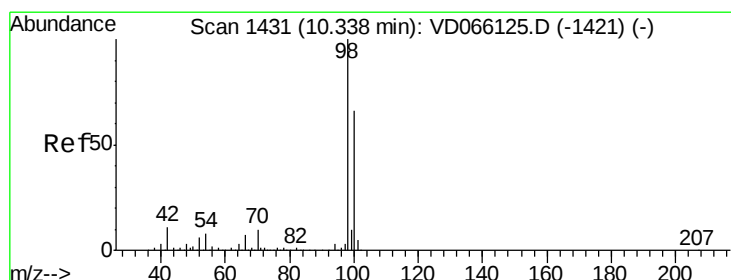
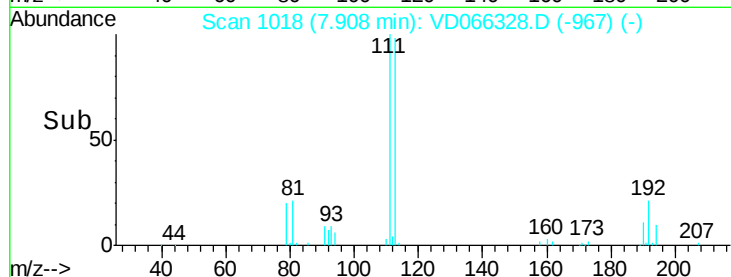
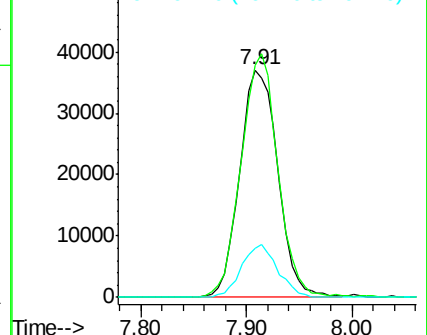
192 21.9 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 36.660 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066328.D

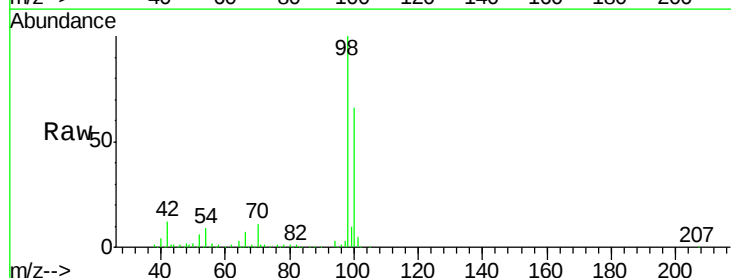
Acq: 19 Aug 2020 19:34

Tgt Ion: 98 Resp: 253323

Ion Ratio Lower Upper

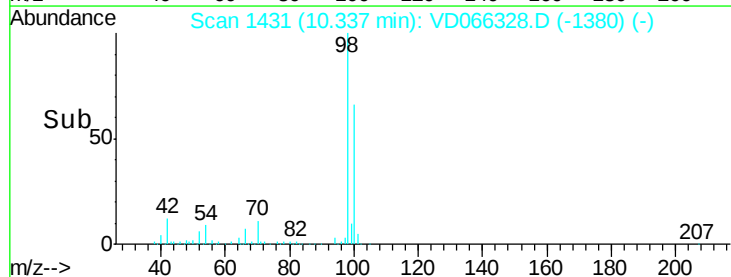
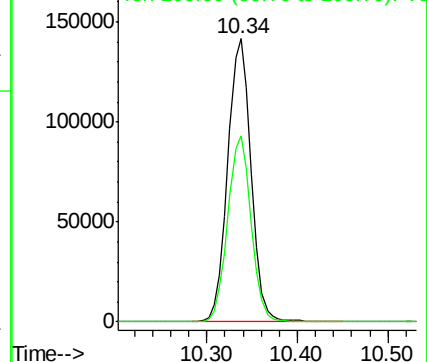
98 100

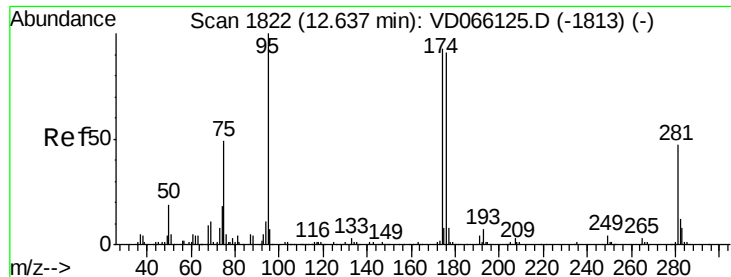
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 31.507 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

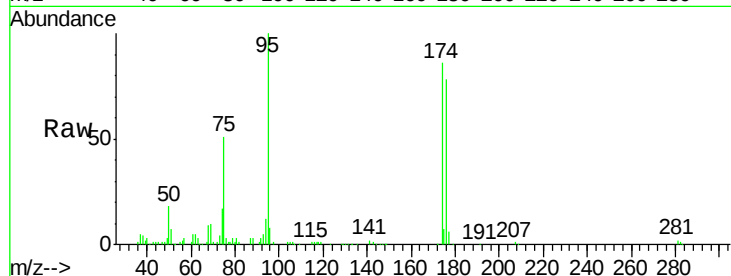
Tot Ion: 95 Resp: 78479

Ion Ratio Lower Upper

95 100

174 93.1 0.0 180.8

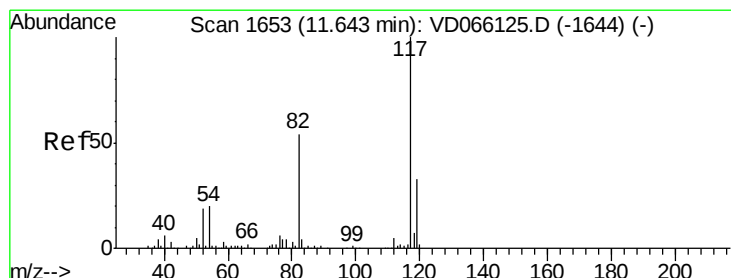
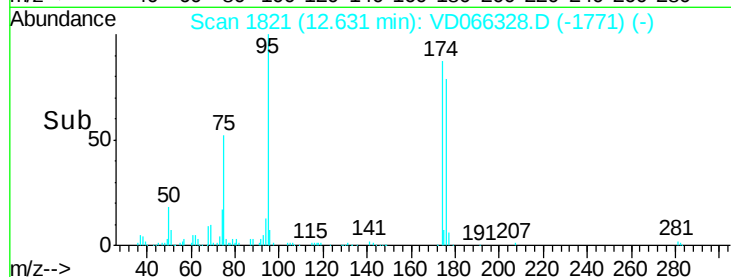
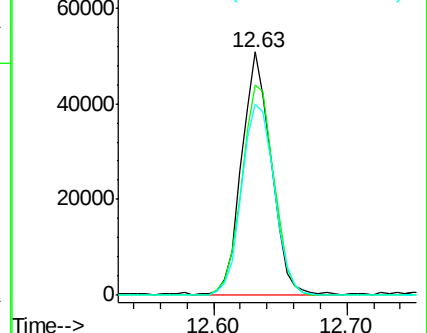
176 86.1 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066328.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD066328.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD066328.D (-1813) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

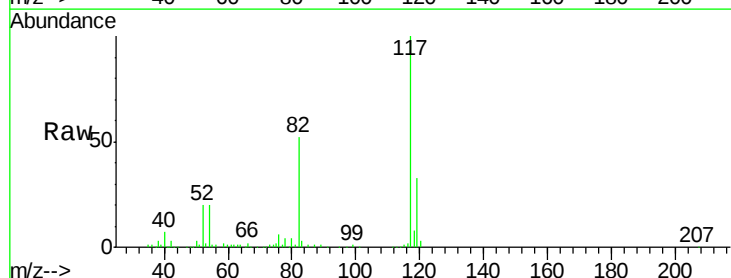
Tgt Ion: 117 Resp: 220434

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

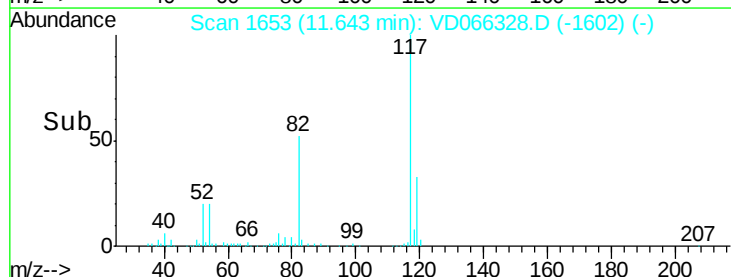
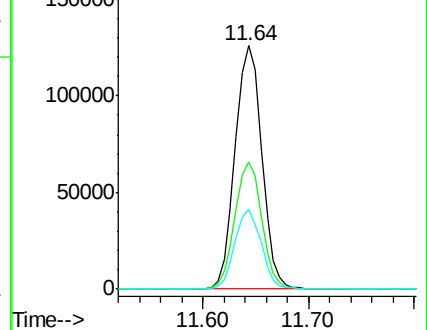
119 32.7 26.1 39.1

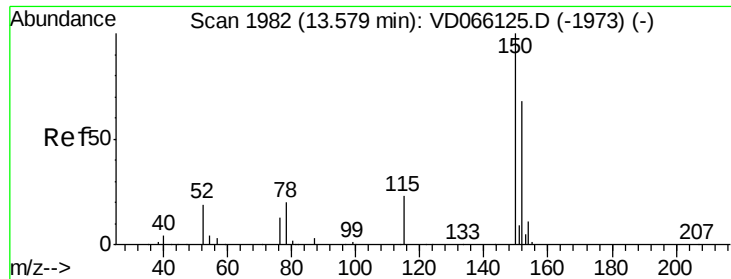


Abundance Ion 116.90 (116.60 to 117.60): VD066328.D (-1644) (-)

Ion 82.00 (81.70 to 82.70): VD066328.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD066328.D (-1644) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

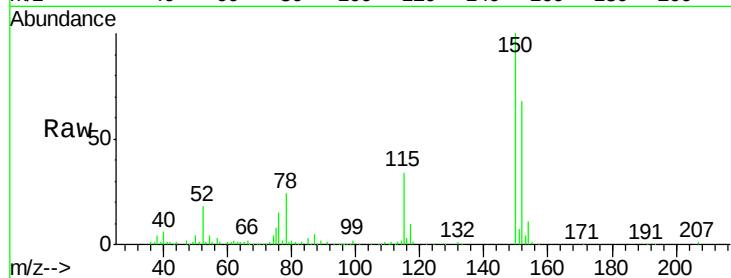
Tot Ion:152 Resp: 75578

Ion Ratio Lower Upper

152 100

115 54.7 28.0 83.9

150 150.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

