

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066141.D
 Acq On : 06 Aug 2020 18:17
 Operator : VA/SY
 Sample : L3555-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

Quant Time: Aug 07 02:33:20 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

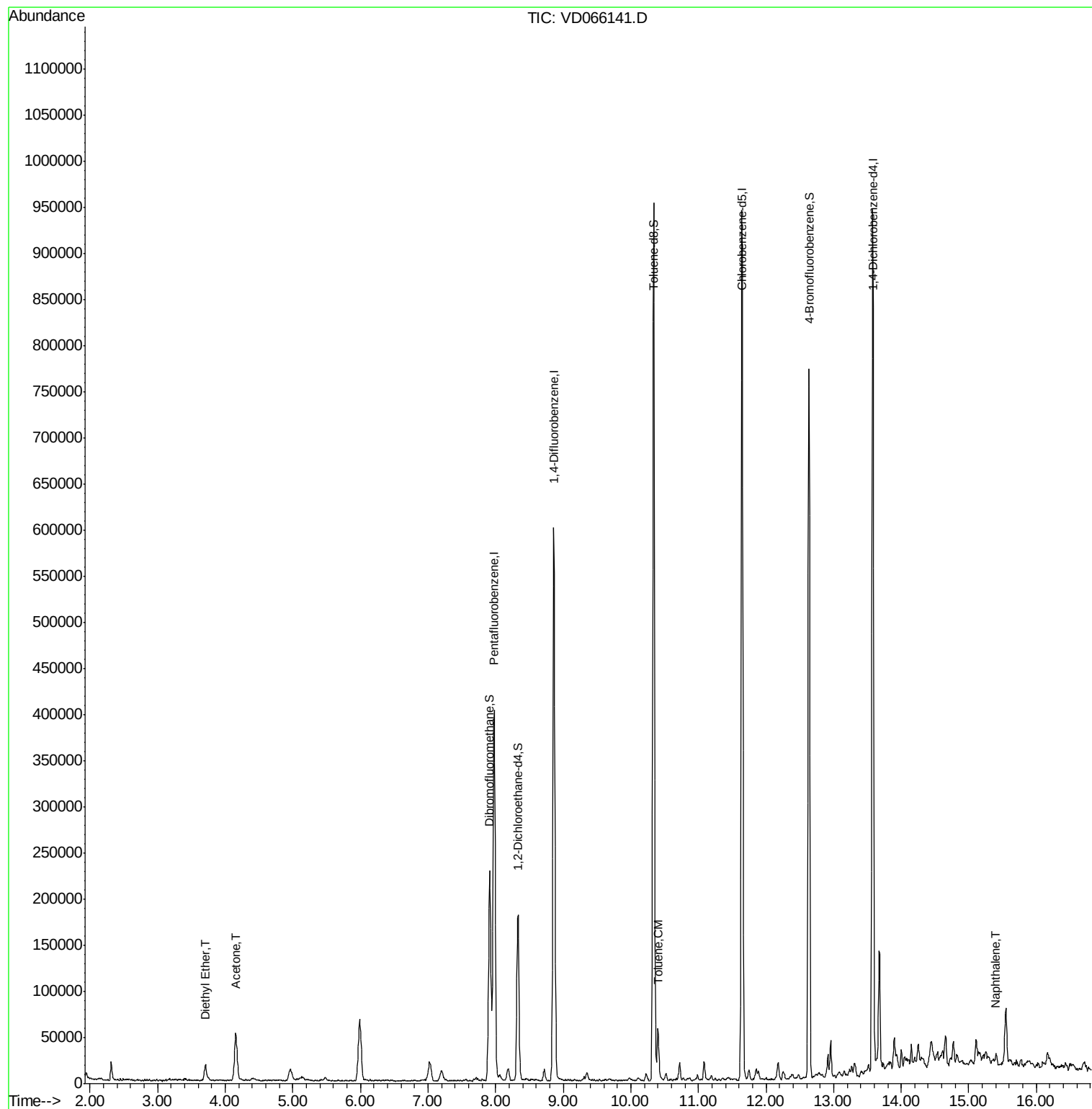
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	524783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	554008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258910	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	143076	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
35) Dibromofluoromethane	7.91	113	165979	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.34	98	641833	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.63	95	260398	58.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.78%	
Target Compounds						
8) Diethyl Ether	3.70	74	8674	6.459	ug/l	95
16) Acetone	4.16	43	92633	181.886	ug/l	95
52) Toluene	10.40	92	22155	2.461	ug/l	94
95) Naphthalene	15.41	128	9954	1.121	ug/l	98

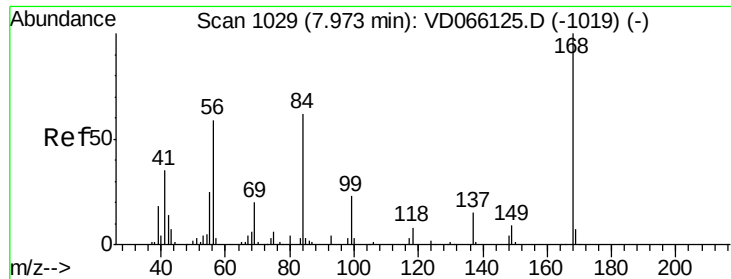
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

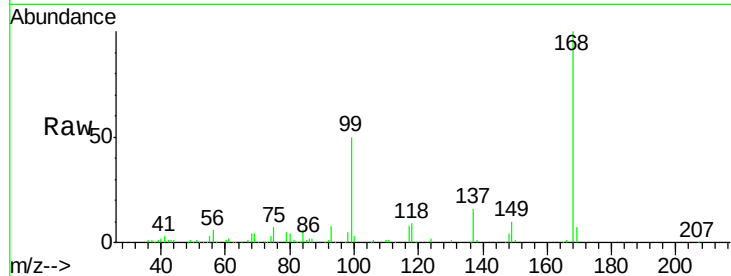
CHRT-22546

Tot Ion:168 Resp: 300859

Ion Ratio Lower Upper

168 100

99 49.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

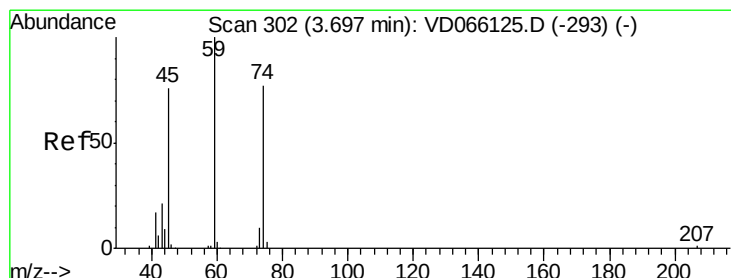
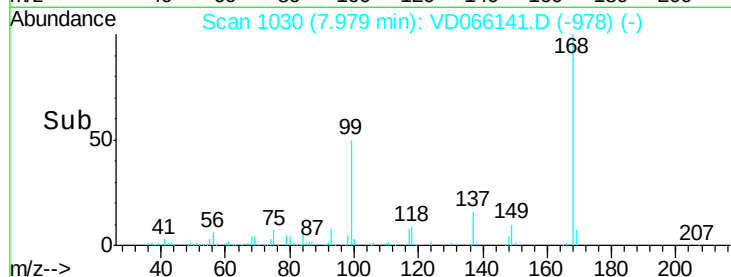
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 6.459 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066141.D

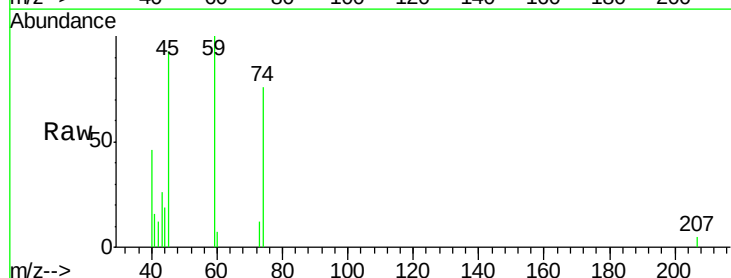
Acq: 06 Aug 2020 18:17

Tgt Ion: 74 Resp: 8674

Ion Ratio Lower Upper

74 100

45 101.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

5000

4000

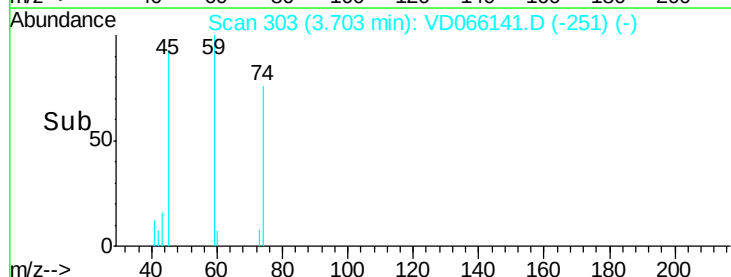
3000

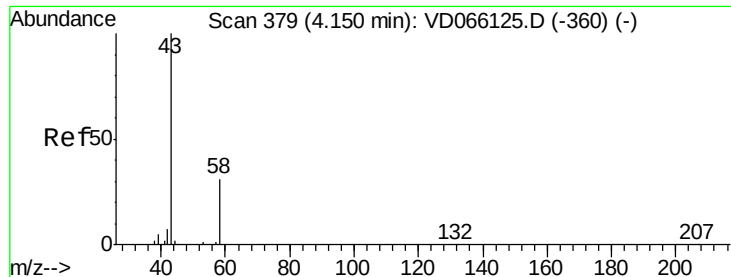
2000

1000

0

Time--> 3.65 3.70 3.75





#16

Acetone

Concen: 181.886 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

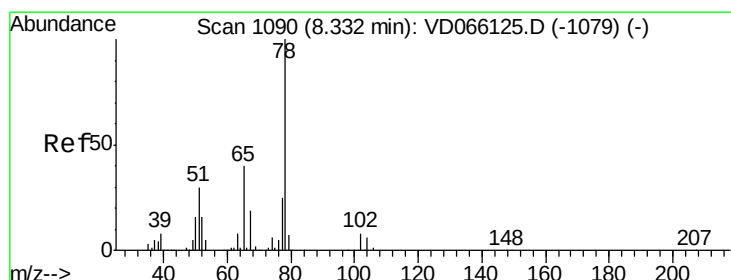
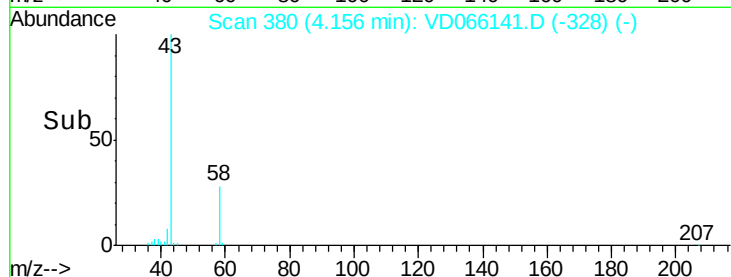
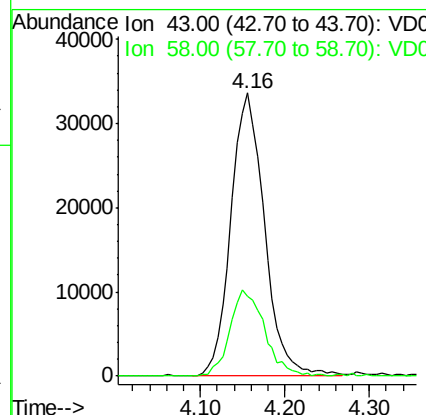
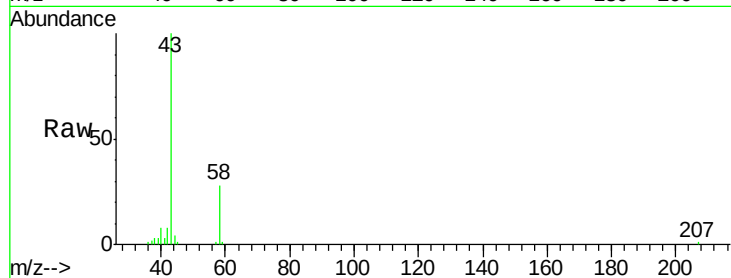
CHRT-22546

Tot Ion: 43 Resp: 92633

Ion Ratio Lower Upper

43 100

58 28.1 24.7 37.1



#33

1,2-Dichloroethane-d4

Concen: 53.305 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066141.D

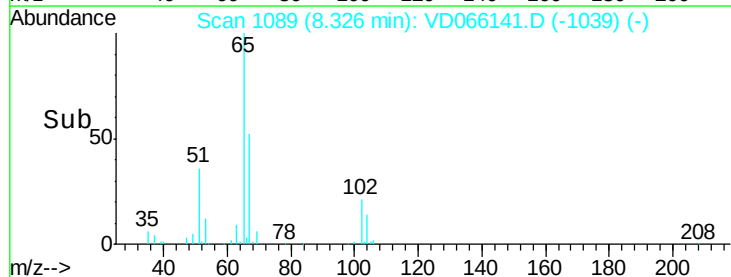
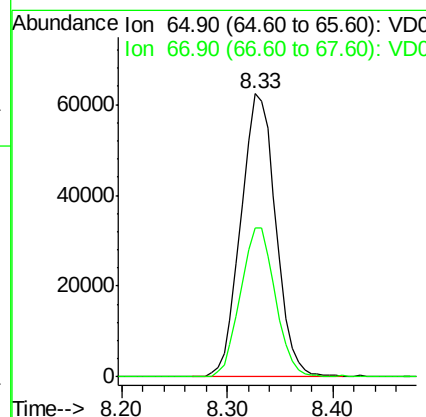
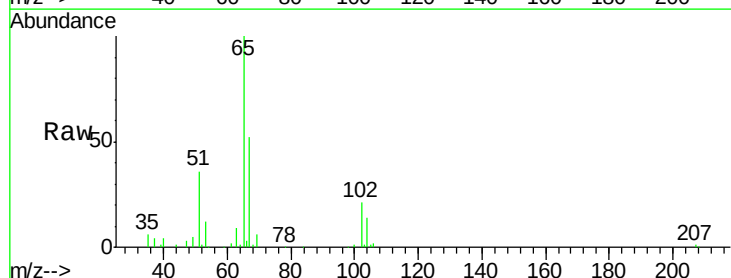
Acq: 06 Aug 2020 18:17

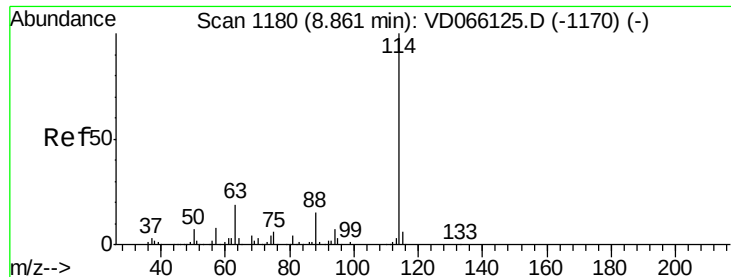
Tgt Ion: 65 Resp: 143076

Ion Ratio Lower Upper

65 100

67 52.4 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: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

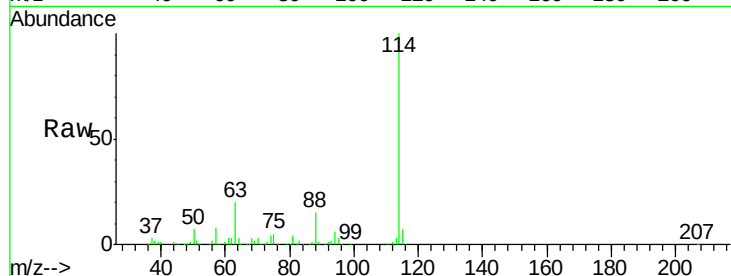
Tot Ion:114 Resp: 524783

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.6

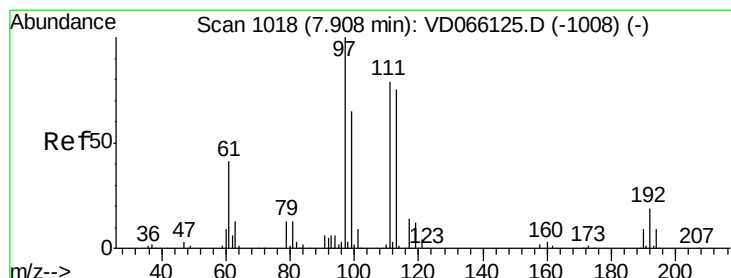
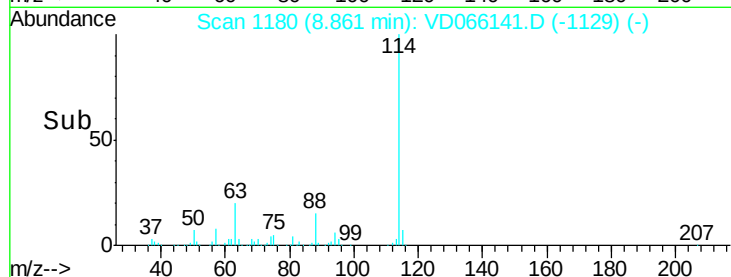
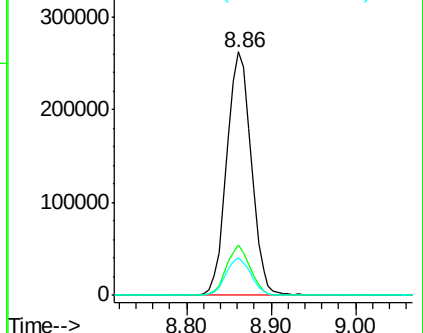
88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.927 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

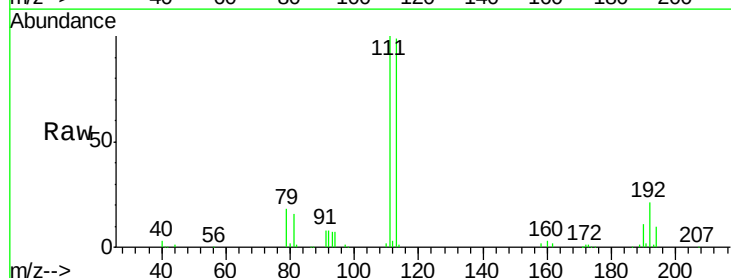
Tgt Ion:113 Resp: 165979

Ion Ratio Lower Upper

113 100

111 100.2 80.7 121.1

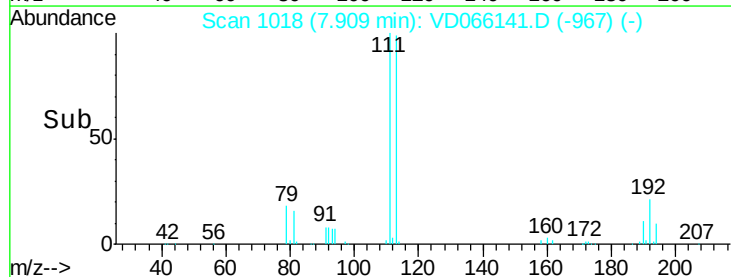
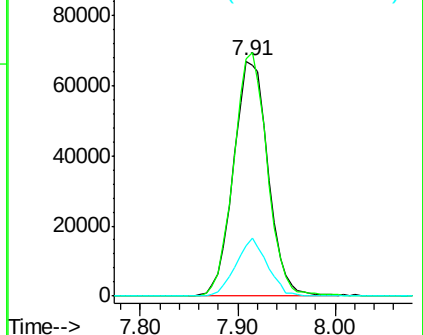
192 22.3 18.4 27.6

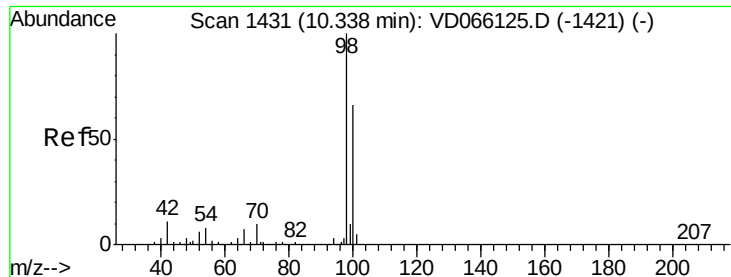


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

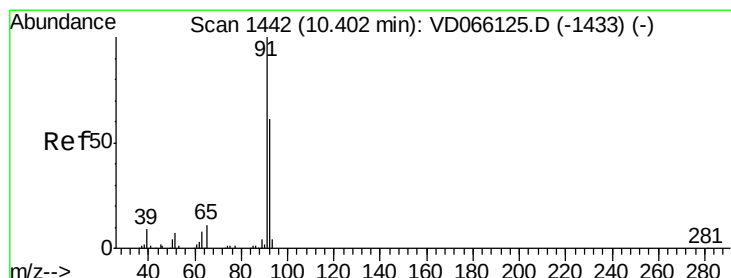
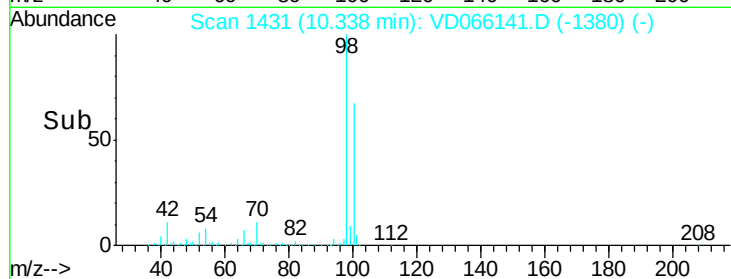
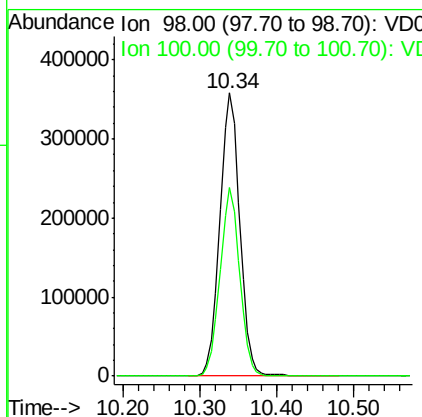
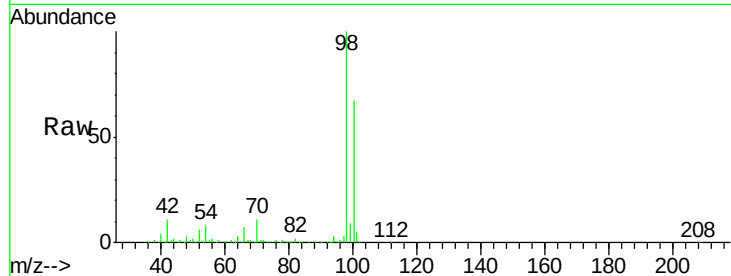




#50
Toluene-d8
Concen: 52.318 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

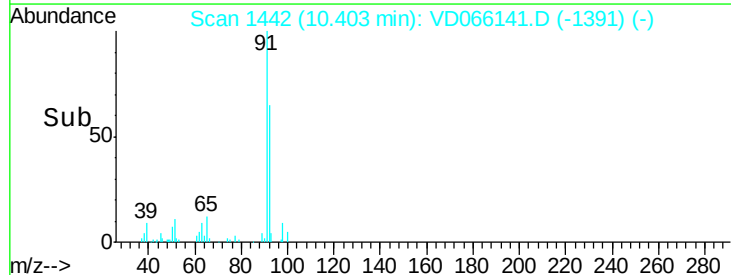
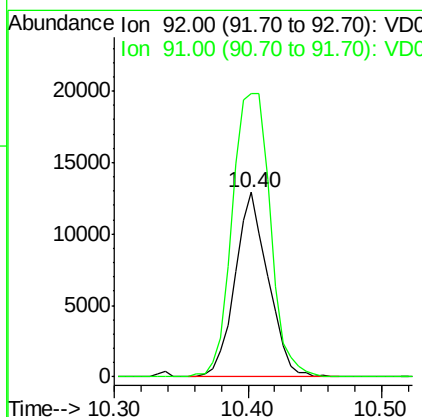
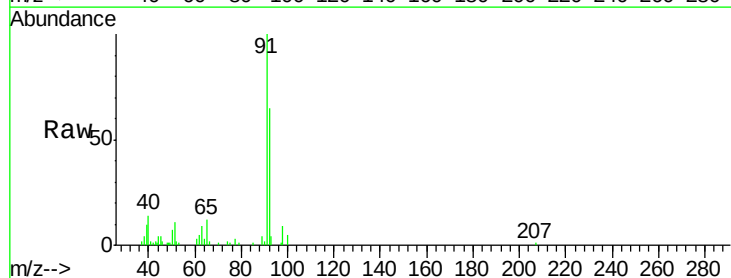
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

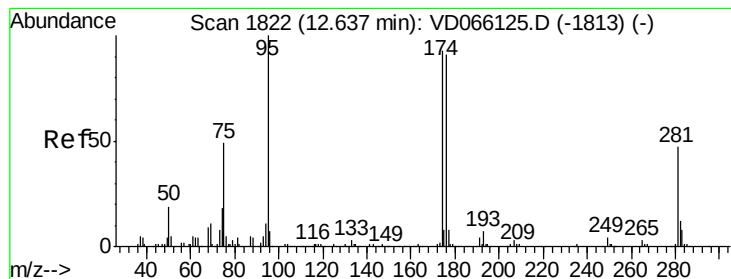
Tot Ion: 98 Resp: 641833
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#52
Toluene
Concen: 2.461 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Tgt Ion: 92 Resp: 22155
Ion Ratio Lower Upper
92 100
91 176.8 135.2 202.8





#62

4-Bromofluorobenzene

Concen: 58.885 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

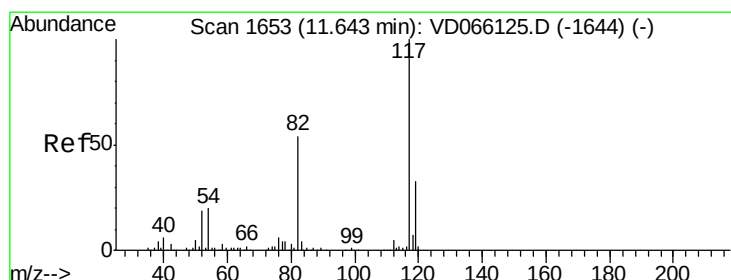
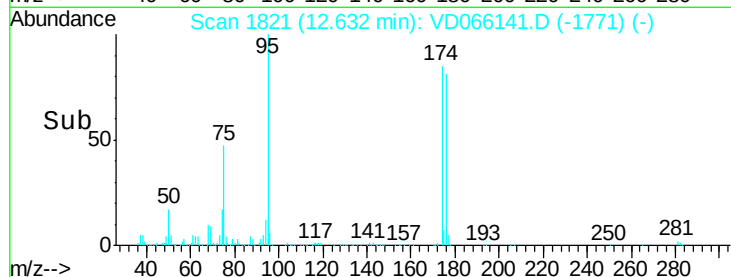
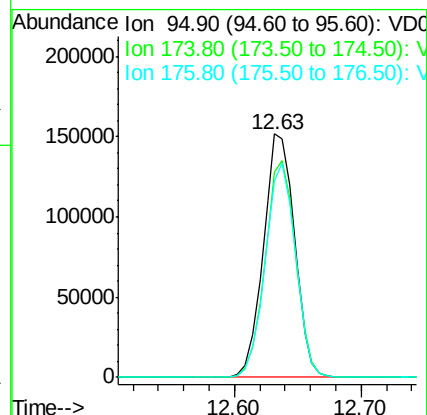
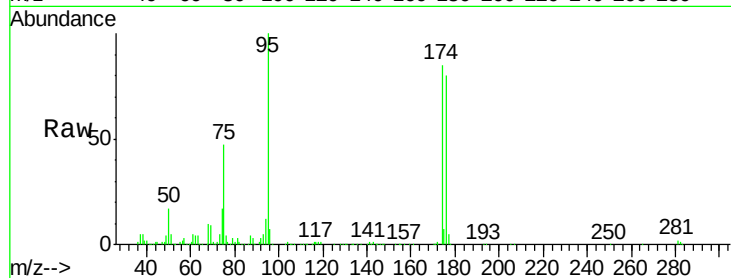
Tot Ion: 95 Resp: 260398

Ion Ratio Lower Upper

95 100

174 87.2 0.0 180.8

176 85.4 0.0 181.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

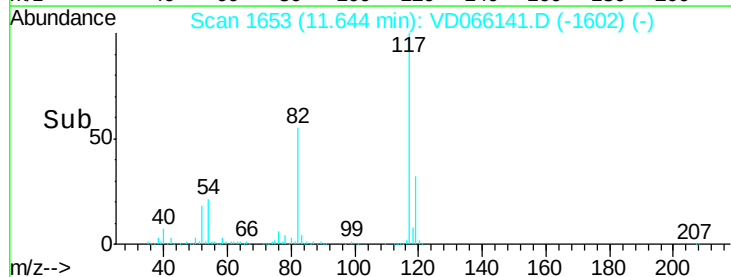
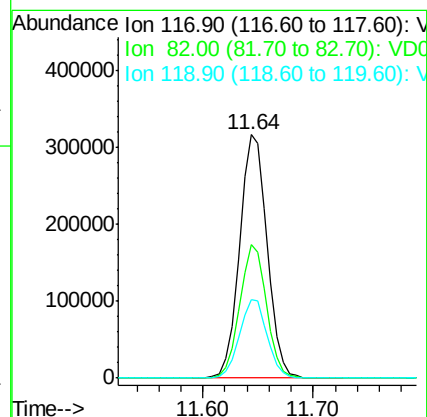
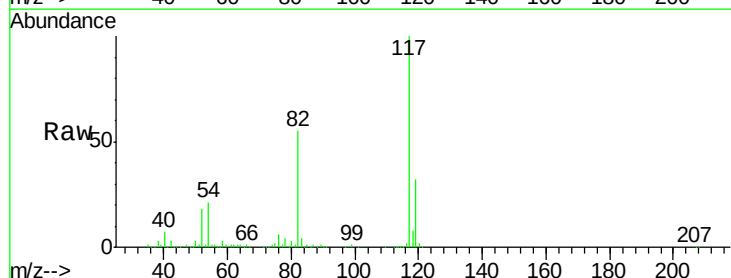
Tgt Ion: 117 Resp: 554008

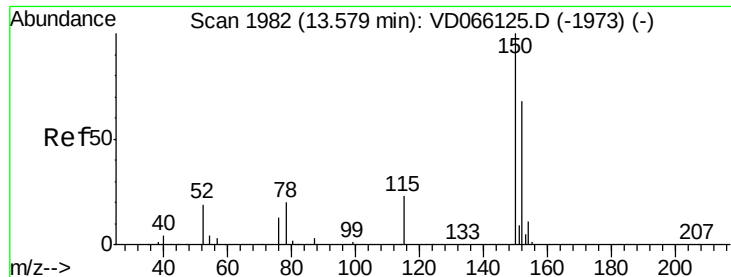
Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.4

119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

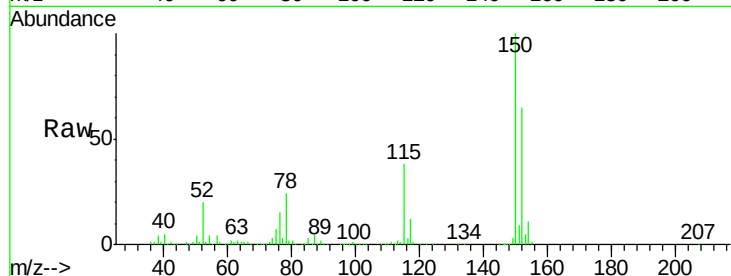
Tot Ion:152 Resp: 258910

Ion Ratio Lower Upper

152 100

115 56.5 28.0 83.9

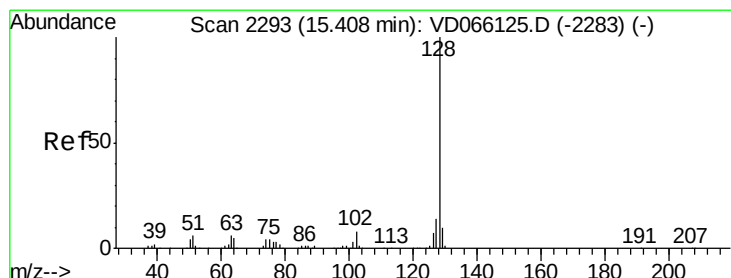
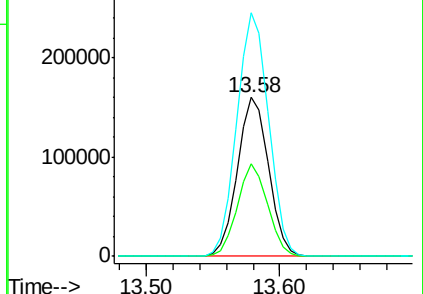
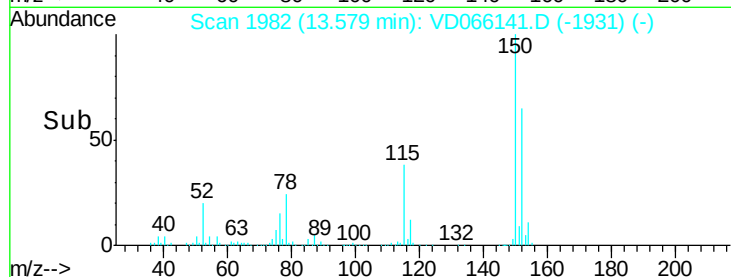
150 155.6 0.0 346.4



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



#95

Naphthalene

Concen: 1.121 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

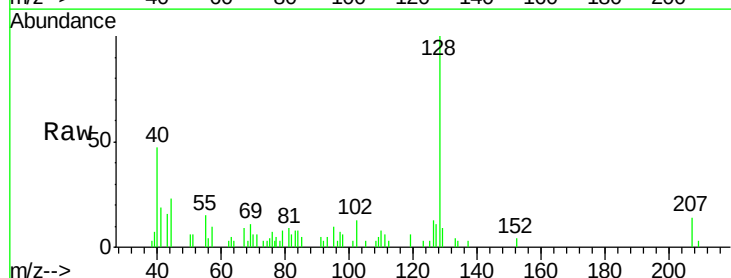
Tgt Ion:128 Resp: 9954

Ion Ratio Lower Upper

128 100

127 12.2 11.0 16.4

129 11.1 8.8 13.2



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

