

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051520\
 Data File : VD065752.D
 Acq On : 15 May 2020 15:02
 Operator : VA/SY
 Sample : L2503-06RE
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051420RE

Quant Time: May 15 19:53:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	369409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	101473	53.65	ug/l	0.00
Spiked Amount						
			Recovery	=	107.30%	
35) Dibromofluoromethane	7.91	113	100753	48.14	ug/l	0.00
Spiked Amount						
			Recovery	=	96.28%	
50) Toluene-d8	10.34	98	353016	44.31	ug/l	0.00
Spiked Amount						
			Recovery	=	88.62%	
62) 4-Bromofluorobenzene	12.64	95	105789	39.21	ug/l	0.00
Spiked Amount						
			Recovery	=	78.42%	

Target Compounds

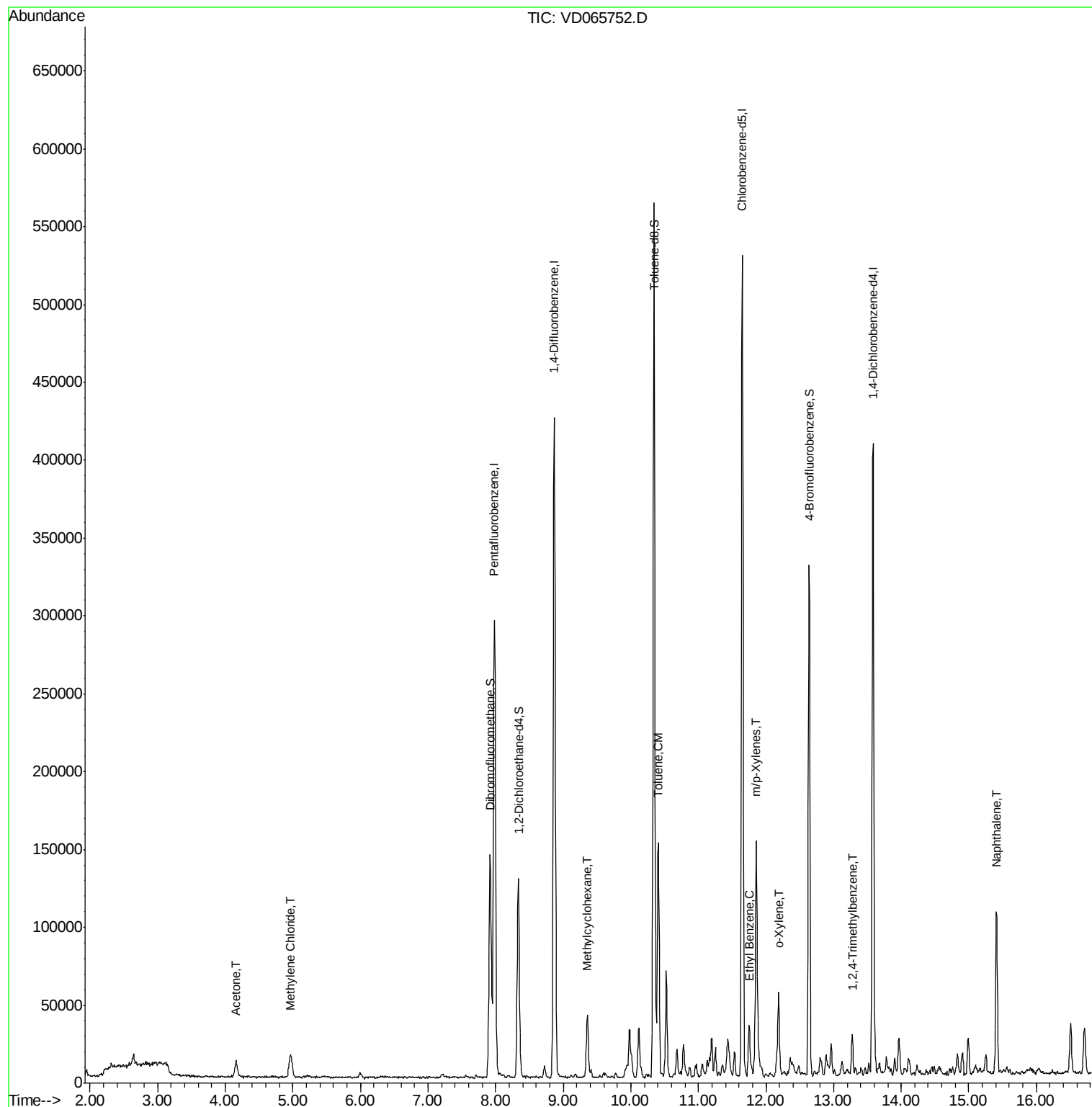
						Qvalue
16) Acetone	4.16	43	17763	45.784	ug/l	98
20) Methylene Chloride	4.96	84	11710	5.350	ug/l #	88
39) Methylcyclohexane	9.36	83	14879	3.619	ug/l	91
52) Toluene	10.41	92	63701	11.022	ug/l	97
67) Ethyl Benzene	11.75	91	20806	2.038	ug/l	96
68) m/p-Xylenes	11.86	106	41989	10.770	ug/l	98
69) o-Xylene	12.18	106	14413	3.971	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	13969	2.288	ug/l	95
95) Naphthalene	15.41	128	90950	24.468	ug/l	97

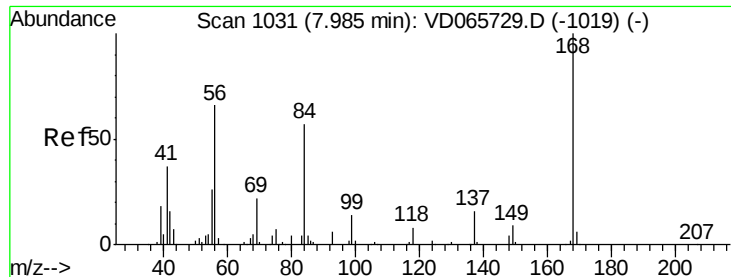
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

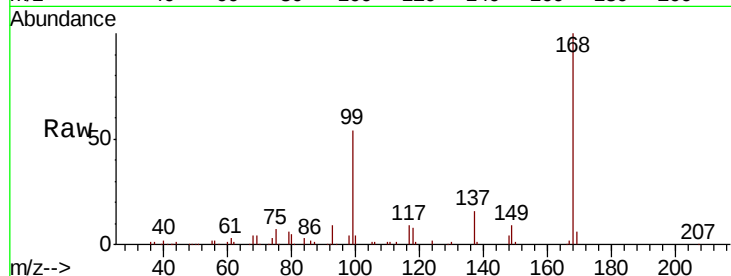
OR-02-051420RE

Tot Ion:168 Resp: 234717

Ion Ratio Lower Upper

168 100

99 54.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

0

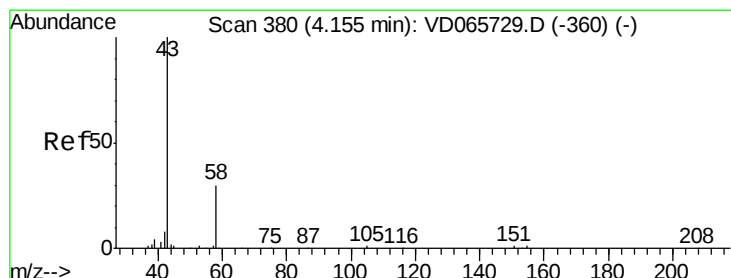
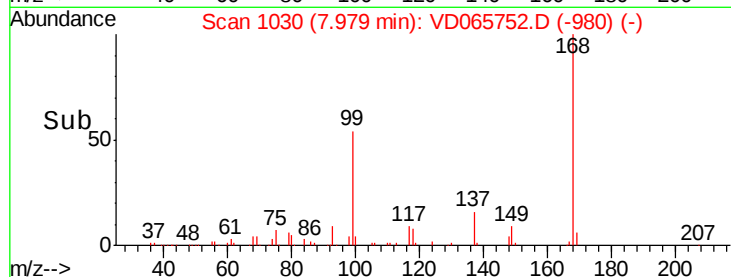
7.98

7.90

8.00

8.10

Time-->



#16

Acetone

Concen: 45.784 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065752.D

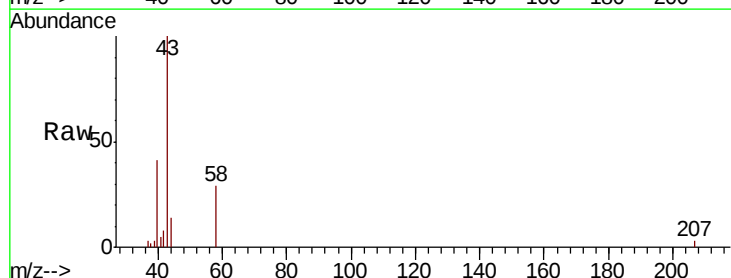
Acq: 15 May 2020 15:02

Tgt Ion: 43 Resp: 17763

Ion Ratio Lower Upper

43 100

58 28.5 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

8000

6000

4000

2000

0

4.16

4.05

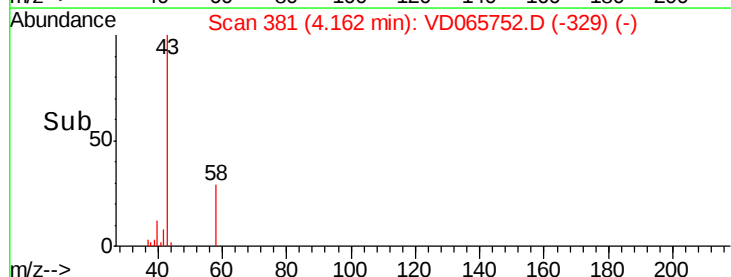
4.10

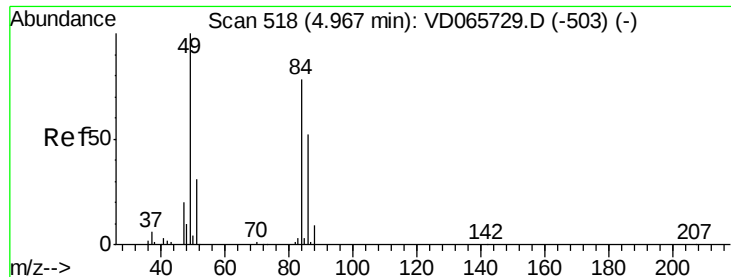
4.15

4.20

4.25

Time-->





#20

Methylene Chloride

Concen: 5.350 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051420RE

Tot Ion: 84 Resp: 11710

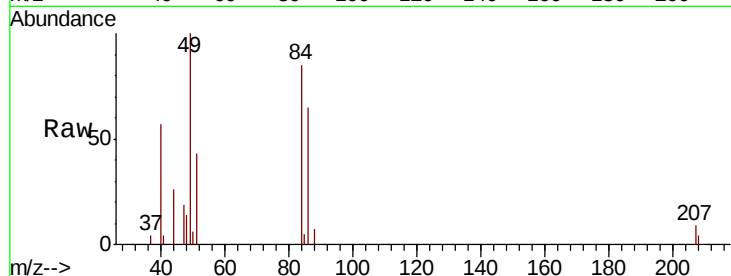
Ion Ratio Lower Upper

84 100

49 117.6 102.9 154.3

51 51.1 31.5 47.3#

86 76.5 53.6 80.4

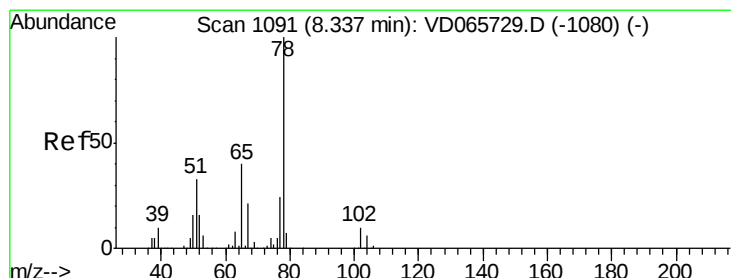
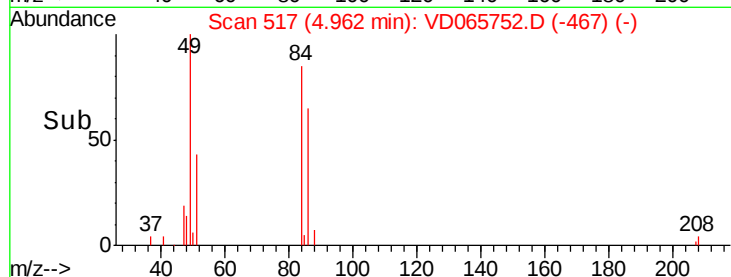
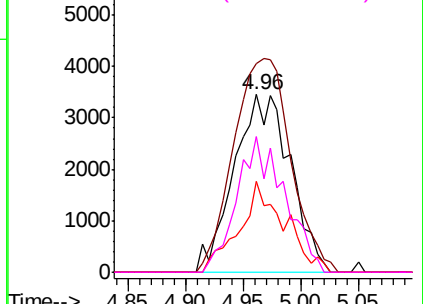


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#33

1,2-Dichloroethane-d4

Concen: 53.647 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065752.D

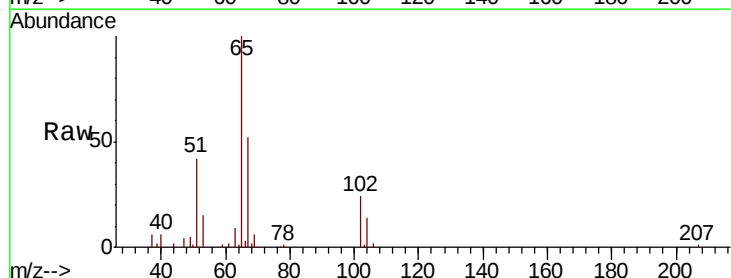
Acq: 15 May 2020 15:02

Tgt Ion: 65 Resp: 101473

Ion Ratio Lower Upper

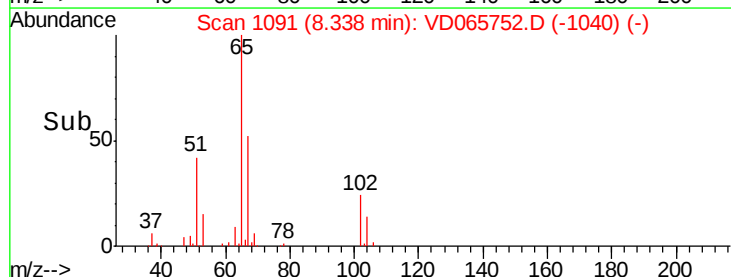
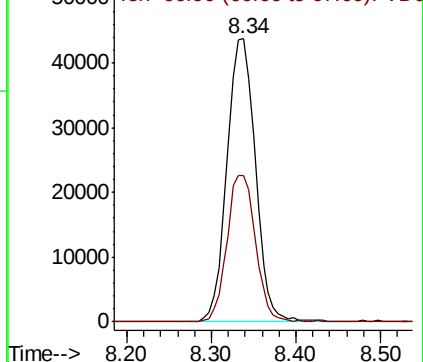
65 100

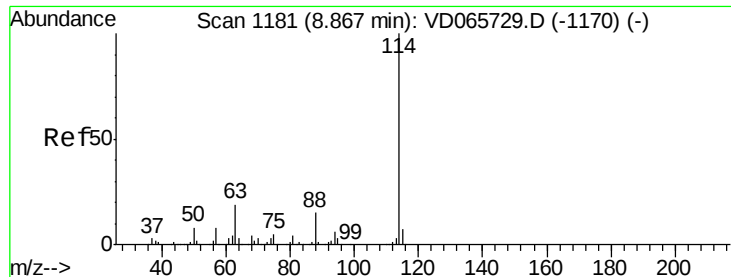
67 51.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

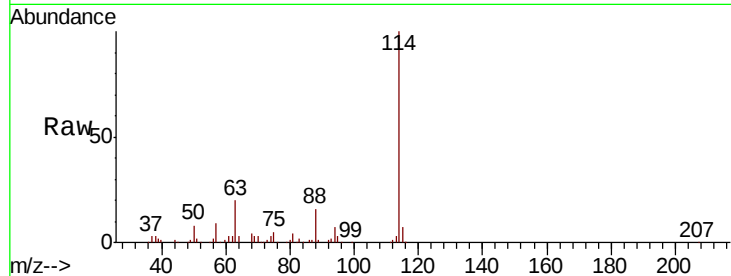




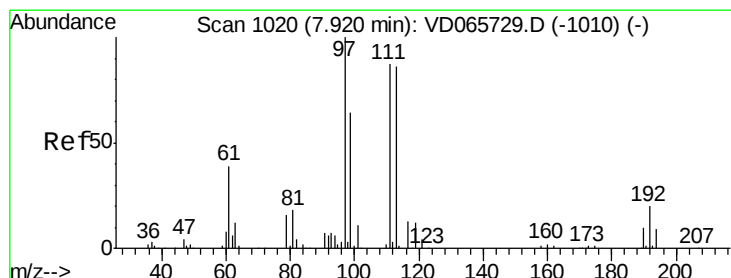
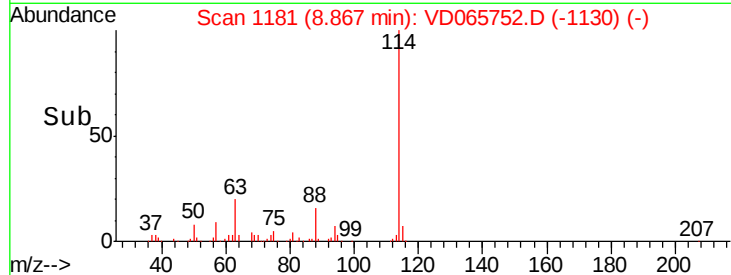
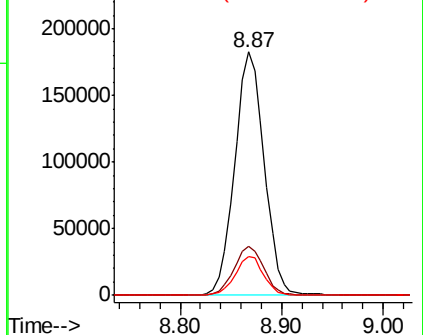
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065752.D
 Acq: 15 May 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-051420RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.2
88	15.7	0.0	30.2

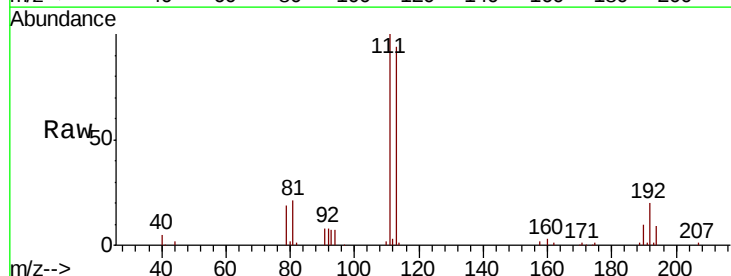


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

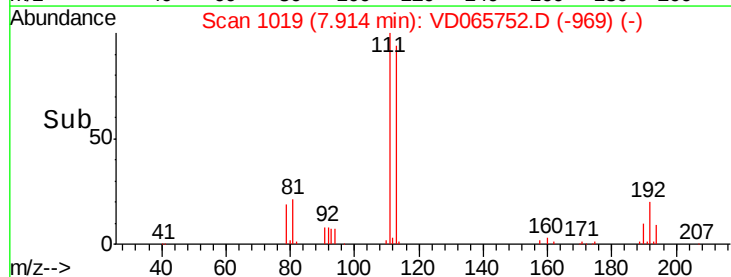
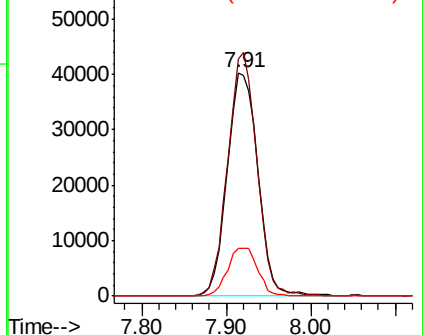


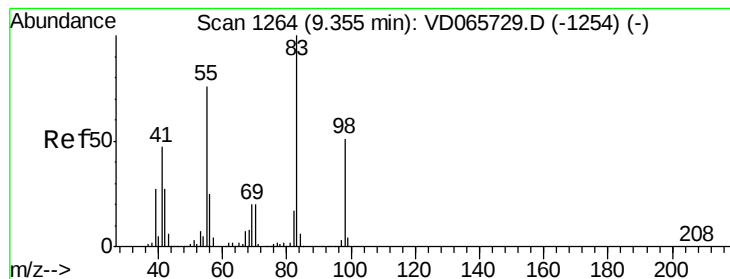
#35
 Dibromofluoromethane
 Concen: 48.143 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065752.D
 Acq: 15 May 2020 15:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.1	121.7
192	21.1	17.6	26.4



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





#39

Methylcyclohexane

Concen: 3.619 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051420RE

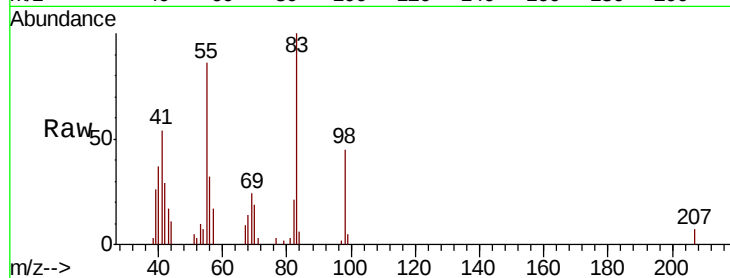
Tot Ion: 83 Resp: 14879

Ion Ratio Lower Upper

83 100

55 83.8 60.9 91.3

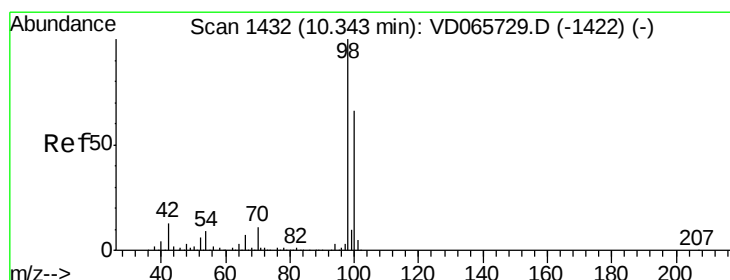
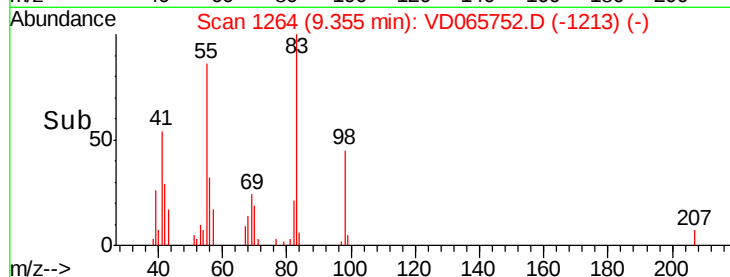
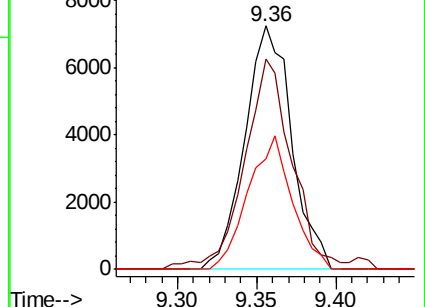
98 45.2 40.6 61.0



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#50

Toluene-d8

Concen: 44.307 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065752.D

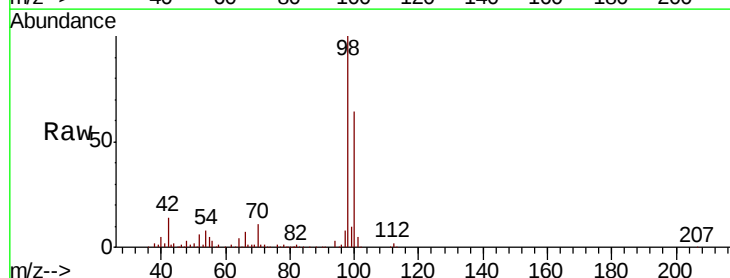
Acq: 15 May 2020 15:02

Tgt Ion: 98 Resp: 353016

Ion Ratio Lower Upper

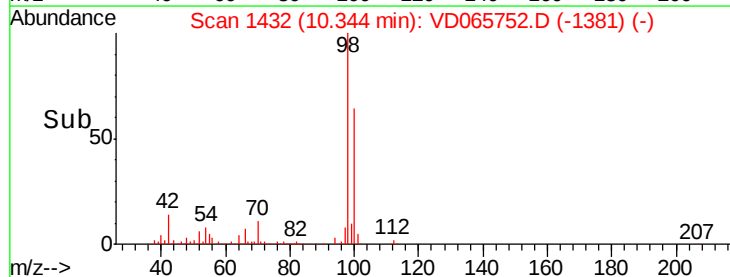
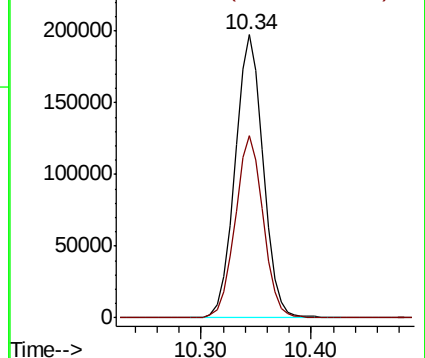
98 100

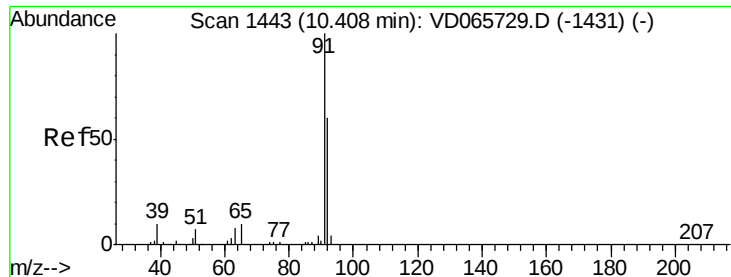
100 64.4 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 11.022 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

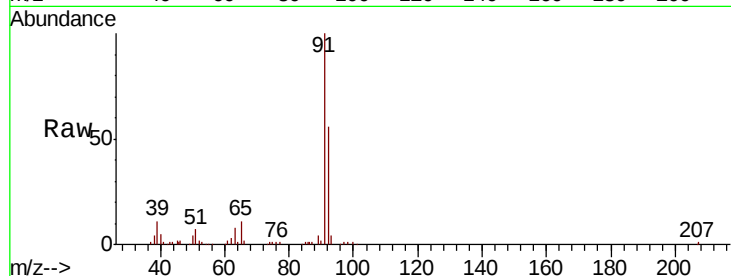
OR-02-051420RE

Tot Ion: 92 Resp: 63701

Ion Ratio Lower Upper

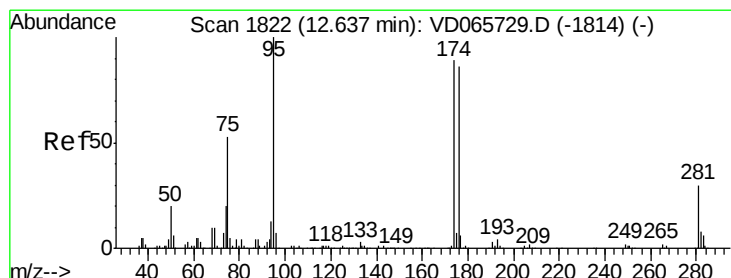
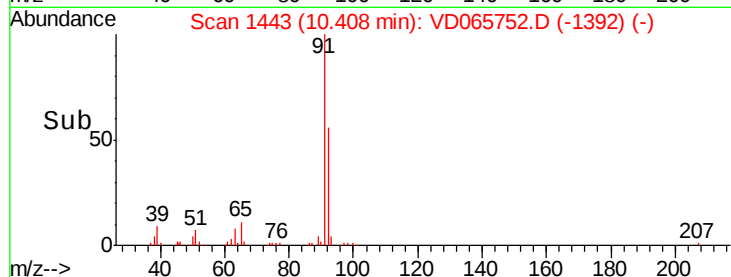
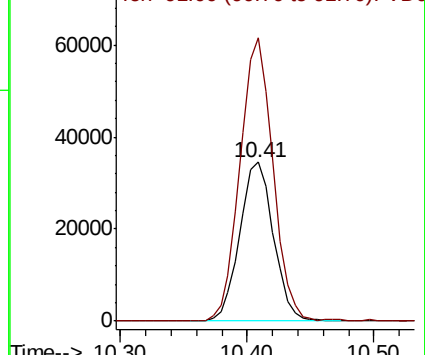
92 100

91 174.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 39.206 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

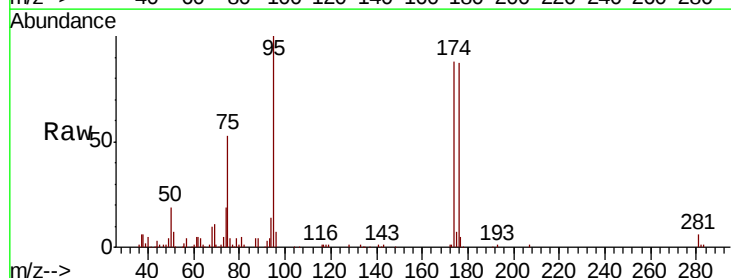
Tgt Ion: 95 Resp: 105789

Ion Ratio Lower Upper

95 100

174 85.9 0.0 179.4

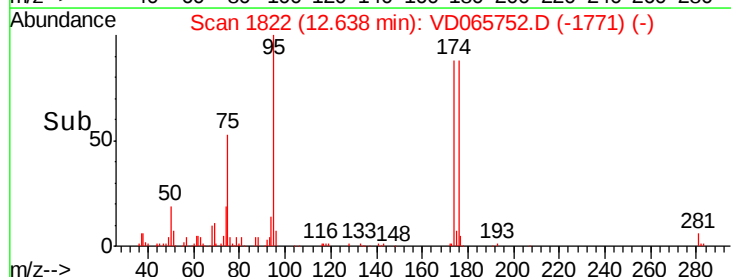
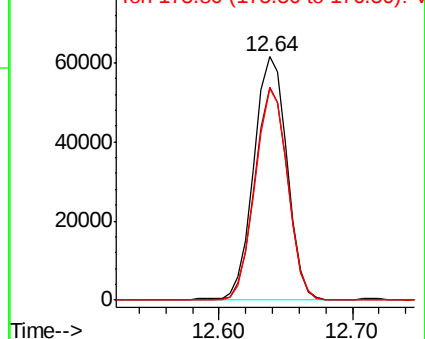
176 85.1 0.0 174.0

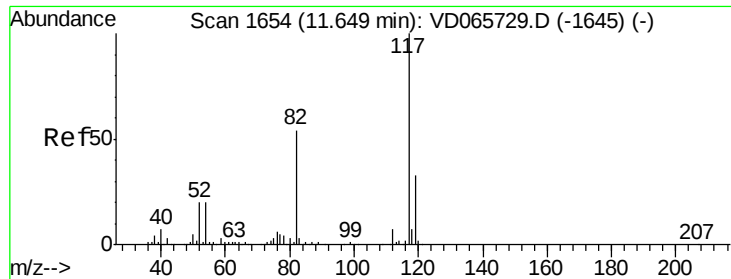


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

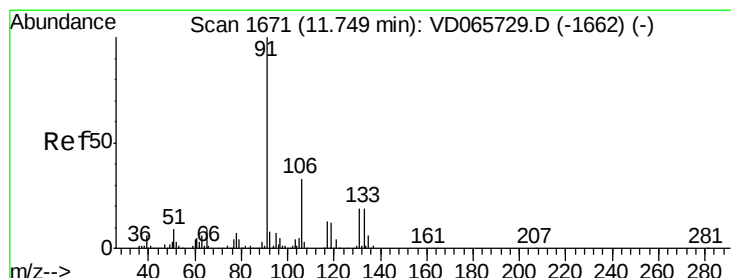
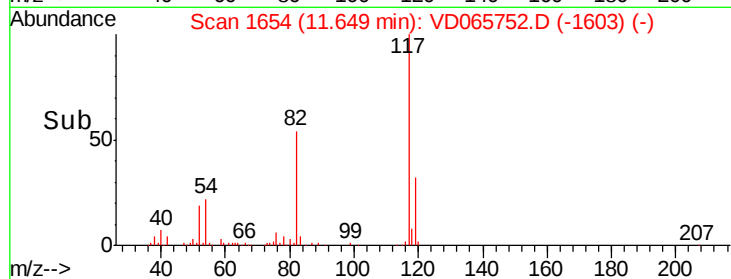
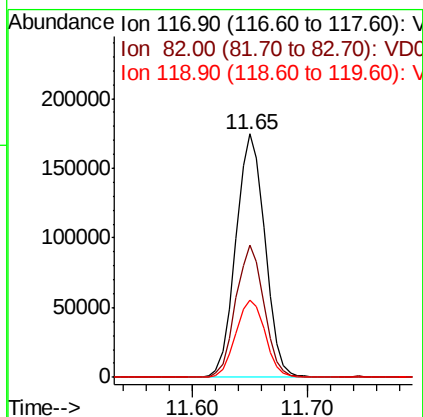
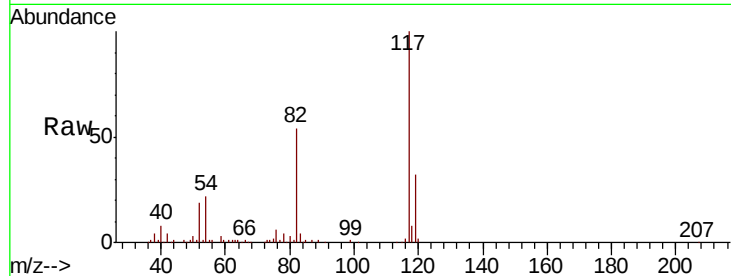




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065752.D
Acq: 15 May 2020 15:02

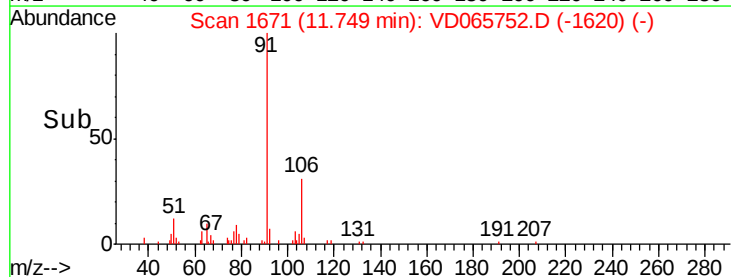
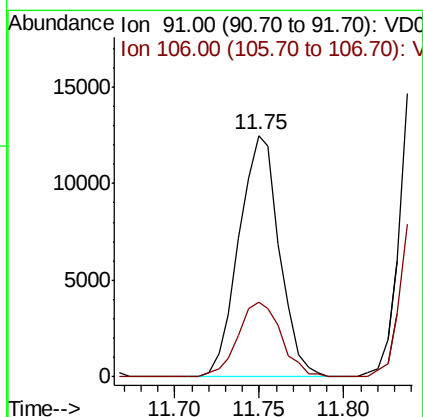
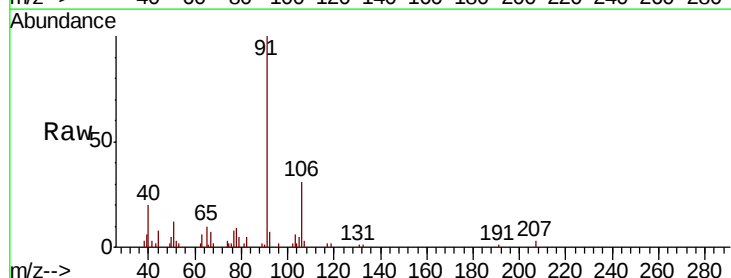
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051420RE

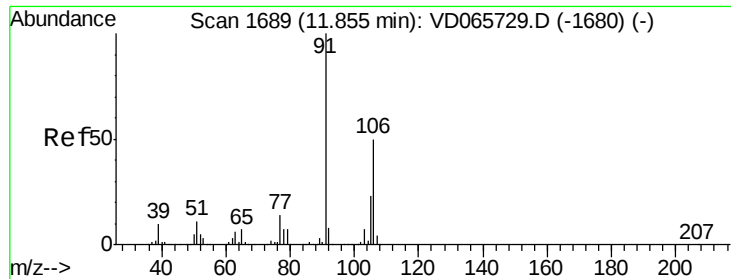
Tot Ion:117 Resp: 303788
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.6
119 31.9 26.6 40.0



#67
Ethyl Benzene
Concen: 2.038 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065752.D
Acq: 15 May 2020 15:02

Tgt Ion: 91 Resp: 20806
Ion Ratio Lower Upper
91 100
106 30.8 26.6 40.0

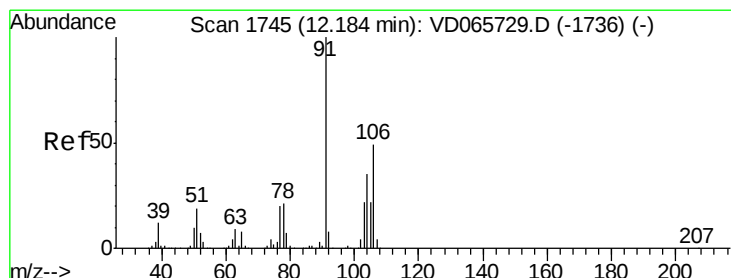
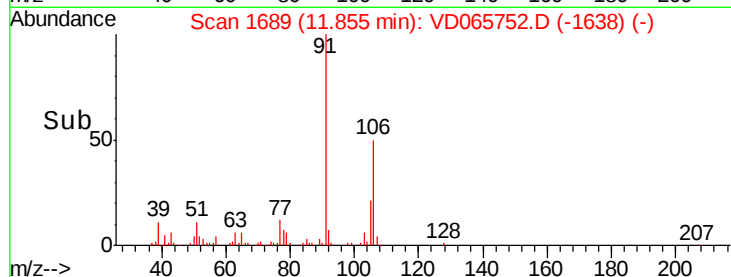
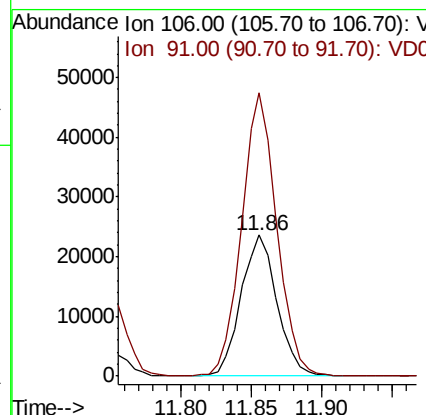
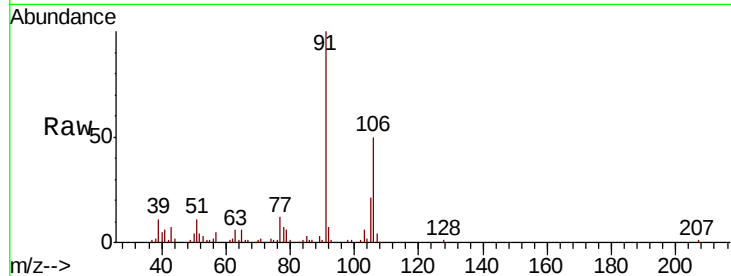




#68
m/p-Xylenes
Concen: 10.770 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065752.D
Acq: 15 May 2020 15:02

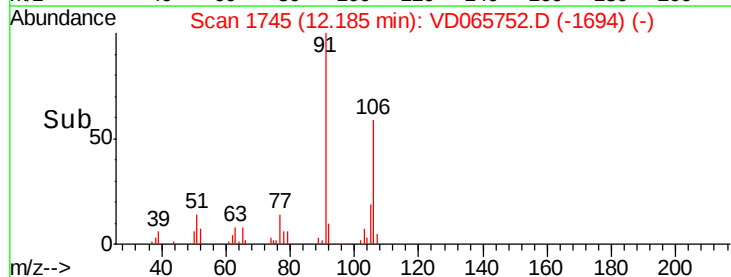
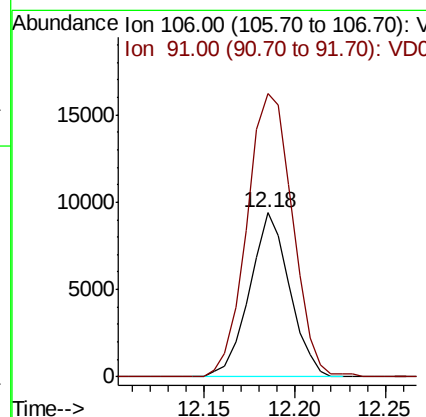
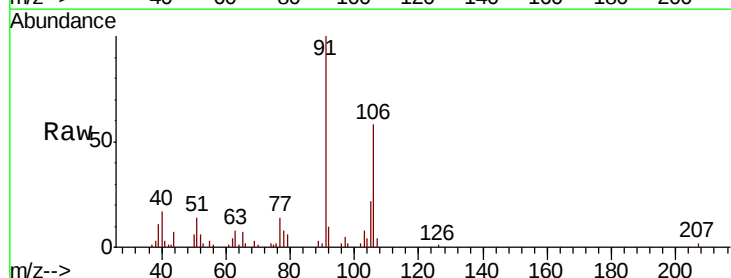
Instrument :
MSVOA_D
ClientSampleId :
OR-02-051420RE

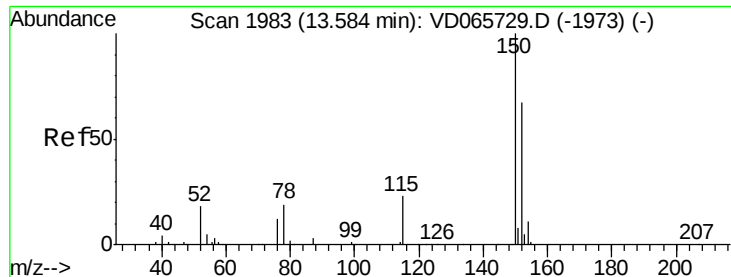
Tot Ion:106 Resp: 41989
Ion Ratio Lower Upper
106 100
91 195.8 158.7 238.1



#69
o-Xylene
Concen: 3.971 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065752.D
Acq: 15 May 2020 15:02

Tgt Ion:106 Resp: 14413
Ion Ratio Lower Upper
106 100
91 196.5 101.8 305.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051420RE

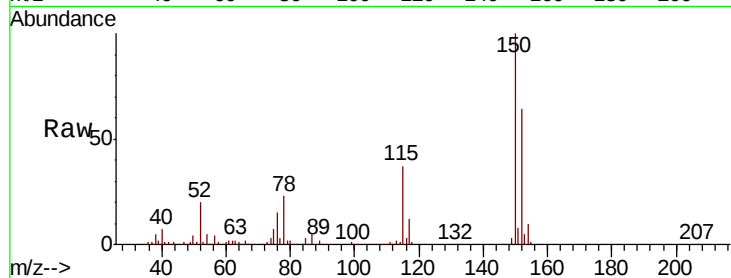
Tot Ion:152 Resp: 111905

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.3

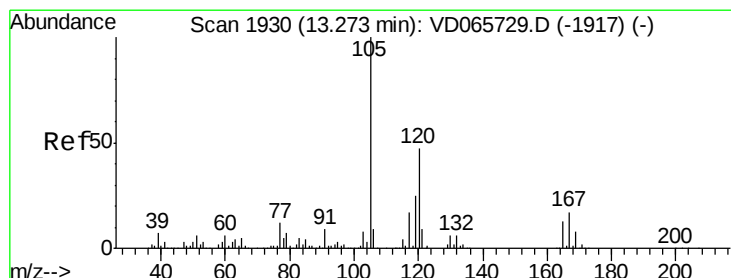
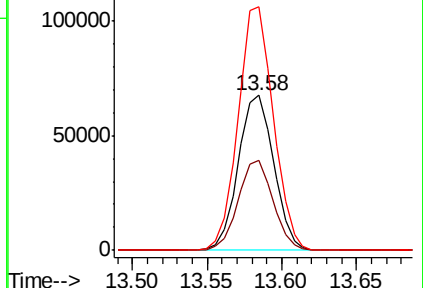
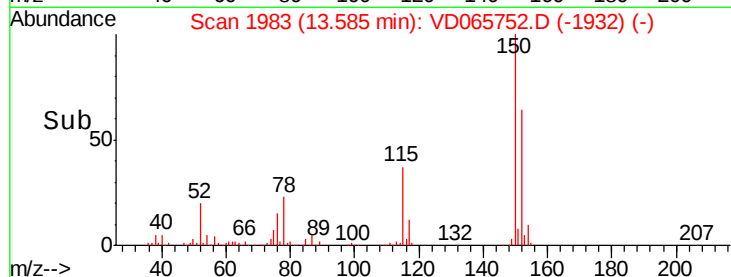
150 155.0 0.0 343.2



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



#84

1,2,4-Trimethylbenzene

Concen: 2.288 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD065752.D

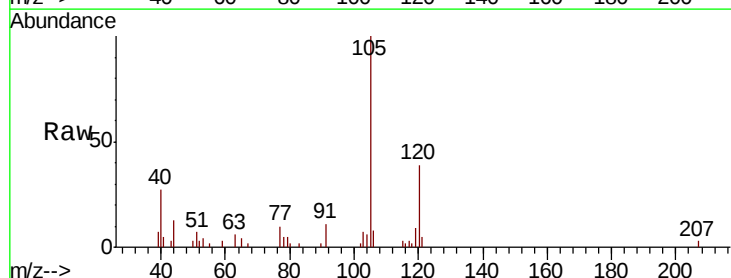
Acq: 15 May 2020 15:02

Tgt Ion:105 Resp: 13969

Ion Ratio Lower Upper

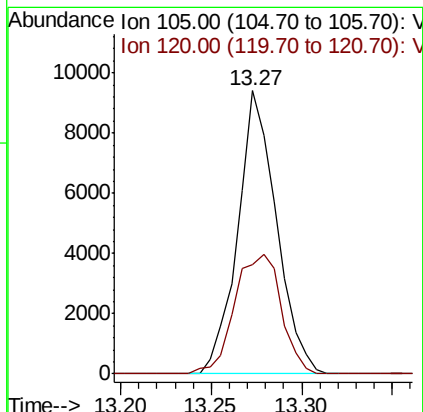
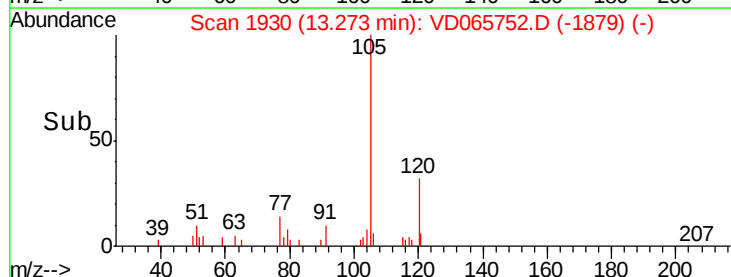
105 100

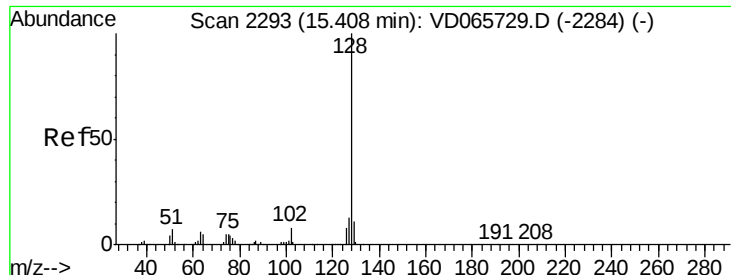
120 50.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 24.468 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD065752.D

Acq: 15 May 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-051420RE

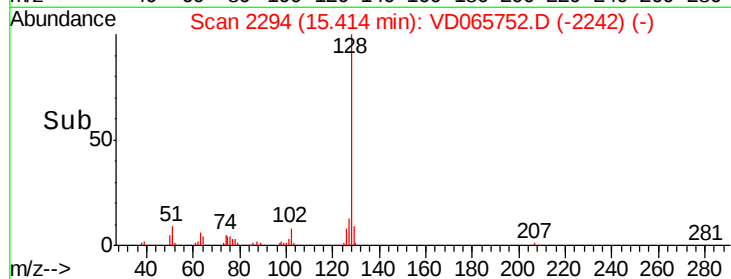
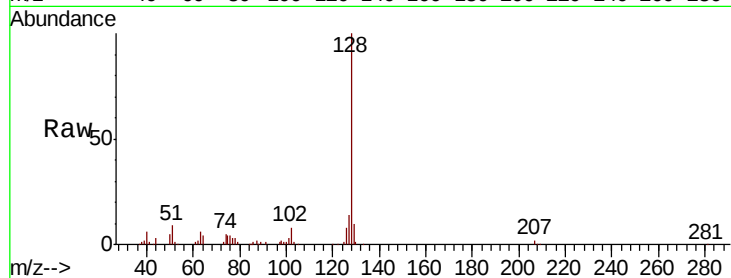
Tot Ion:128 Resp: 90950

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.2

129 11.6 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

