

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066108.D
 Acq On : 30 Jul 2020 13:46
 Operator : VA/SY
 Sample : L3481-02
 Misc : 7.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ROLLOFF-72-12012

Quant Time: Jul 31 03:01:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	251781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	395462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	106640	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	7.91	113	118771	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.34	98	512566	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
62) 4-Bromofluorobenzene	12.64	95	239329	77.25	ug/l	0.00
Spiked Amount			Recovery	=	154.50%	

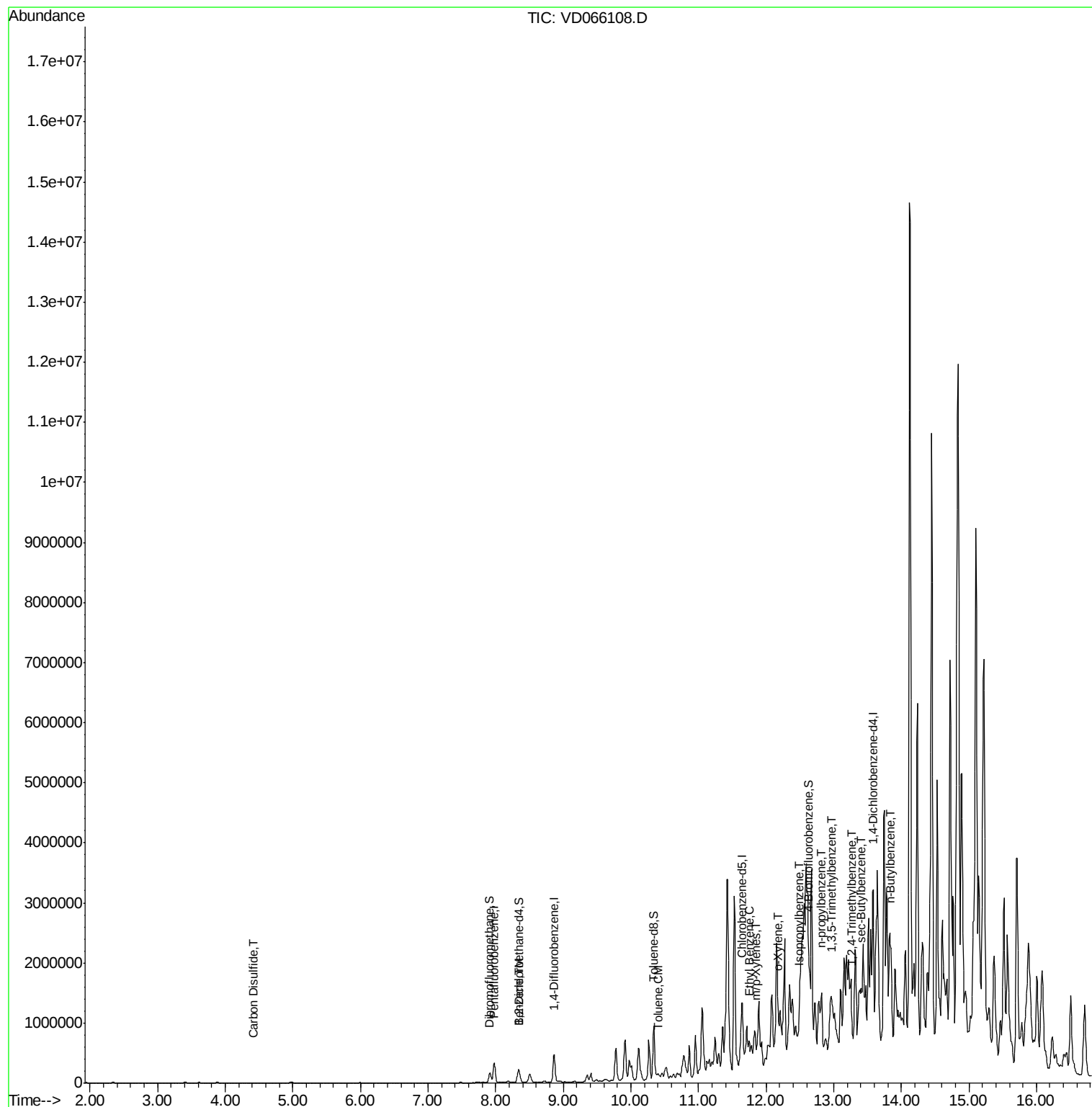
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.41	76	8645	1.280	ug/l #	90
40) Benzene	8.35	78	129147	13.678	ug/l	99
52) Toluene	10.40	92	40389	6.559	ug/l	98
67) Ethyl Benzene	11.75	91	70901	5.105	ug/l	95
68) m/p-Xylenes	11.86	106	57015	10.681	ug/l	98
69) o-Xylene	12.18	106	7626	1.571	ug/l	59
73) Isopropylbenzene	12.48	105	136205	9.912	ug/l	98
78) n-propylbenzene	12.83	91	478610	30.015	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	12525	1.109	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	39899	3.582	ug/l	95
85) sec-Butylbenzene	13.41	105	340583	25.029	ug/l #	54
89) n-Butylbenzene	13.85	91	881643	76.698	ug/l #	74

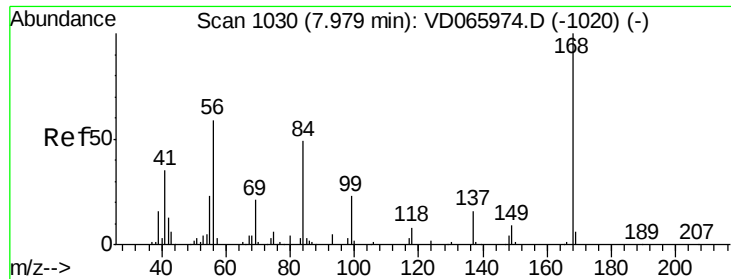
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

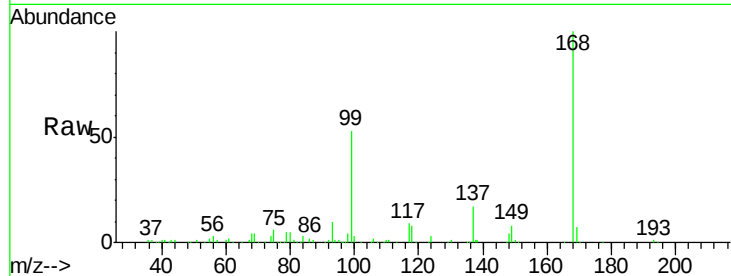
ROLLOFF-72-12012

Tot Ion:168 Resp: 251781

Ion Ratio Lower Upper

168 100

99 52.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

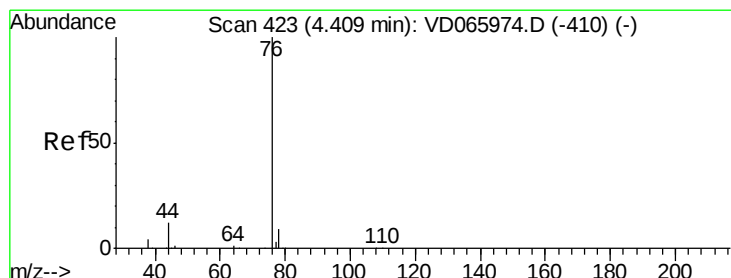
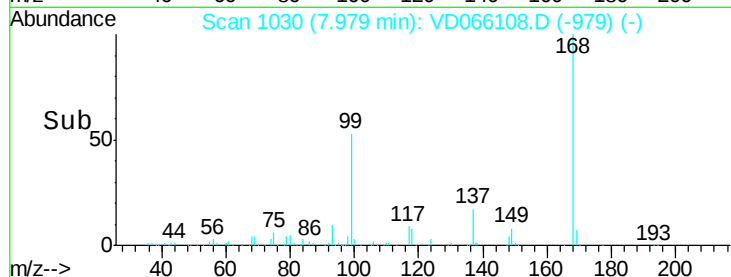
60000

40000

20000

0

Time-->



#17

Carbon Disulfide

Concen: 1.280 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066108.D

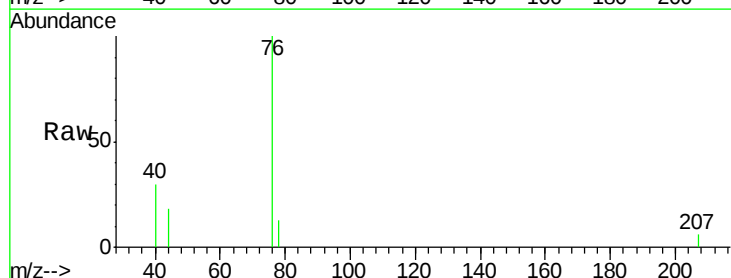
Acq: 30 Jul 2020 13:46

Tgt Ion: 76 Resp: 8645

Ion Ratio Lower Upper

76 100

78 12.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

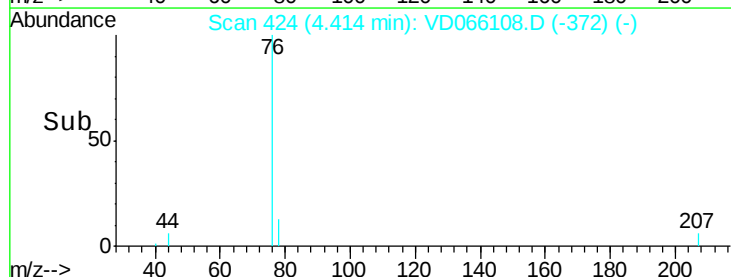
3000

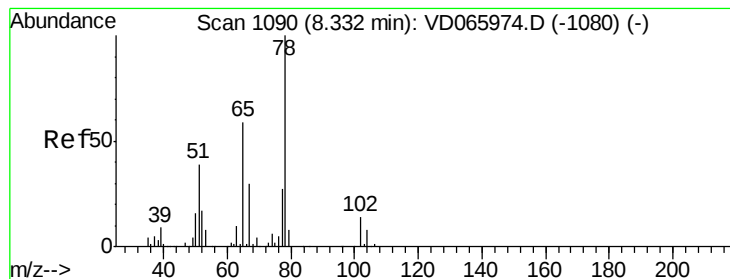
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.052 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

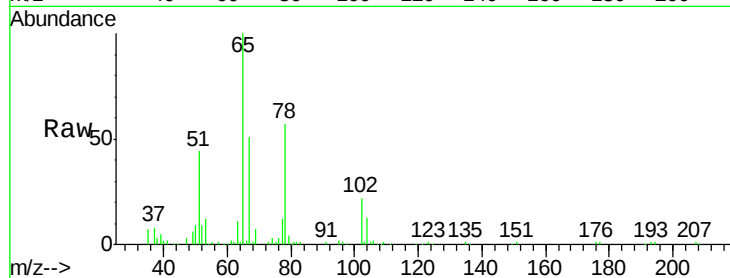
ROLLOFF-72-12012

Tot Ion: 65 Resp: 106640

Ion Ratio Lower Upper

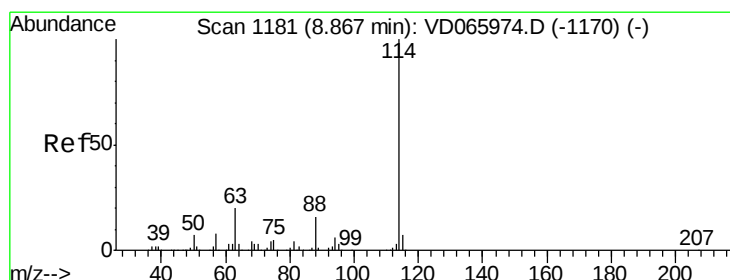
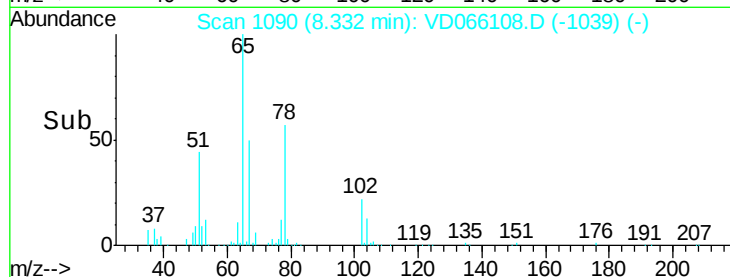
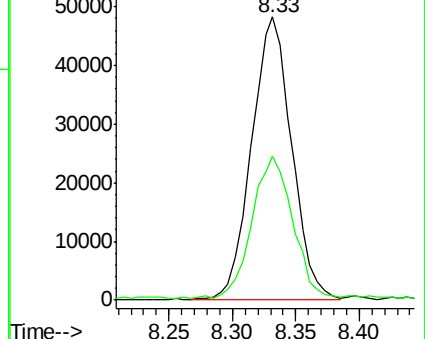
65 100

67 50.6 0.0 105.0



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: VD066108.D

Acq: 30 Jul 2020 13:46

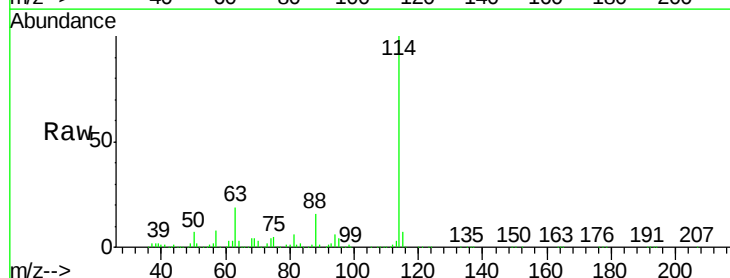
Tgt Ion: 114 Resp: 395462

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

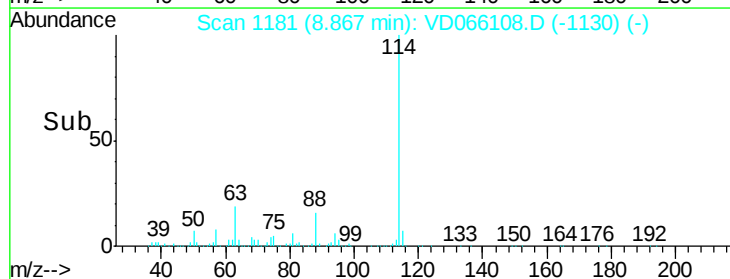
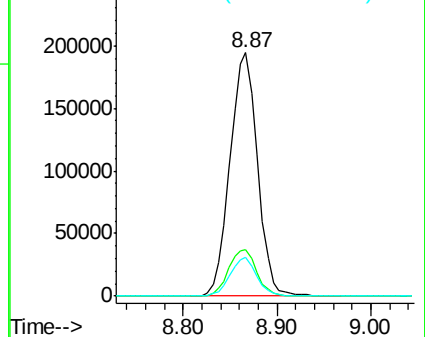
88 15.7 0.0 31.2

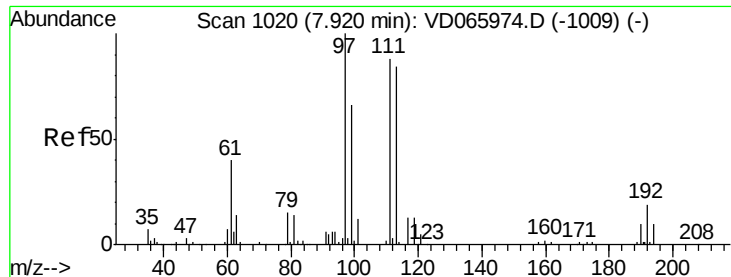


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

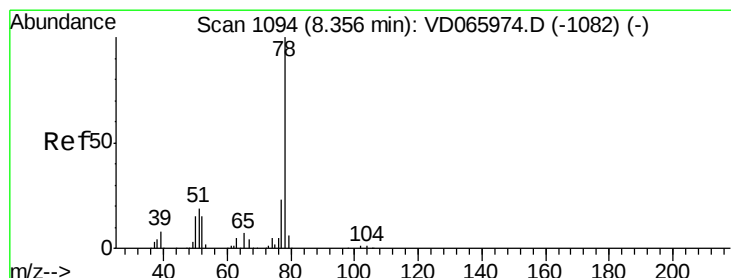
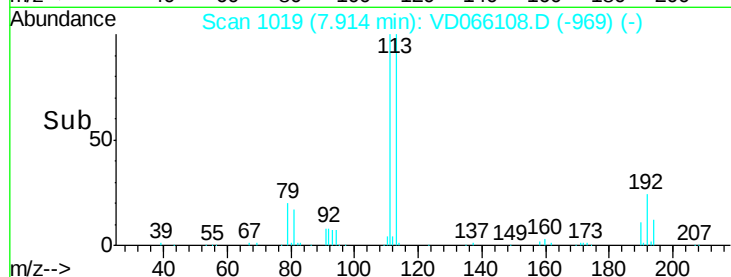
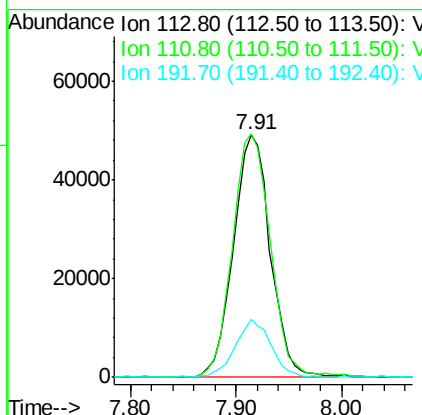
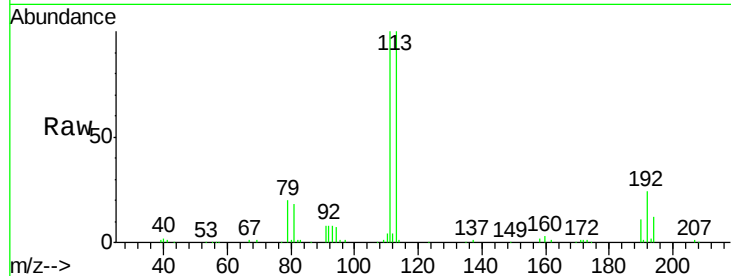




#35
Dibromofluoromethane
Concen: 49.517 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

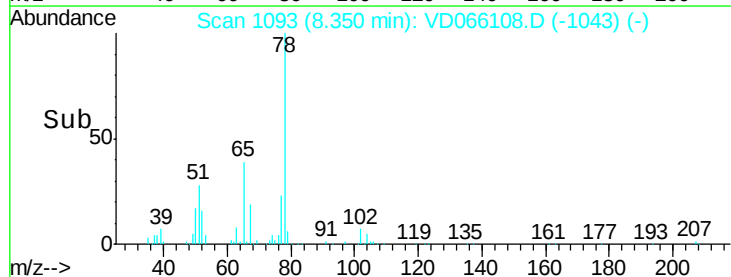
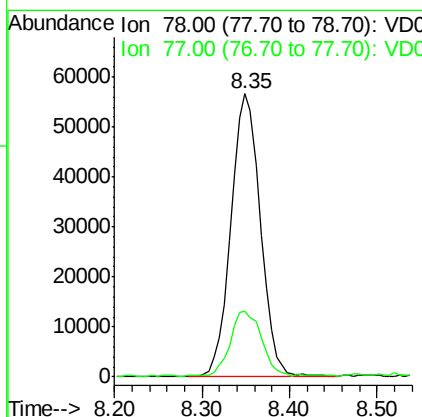
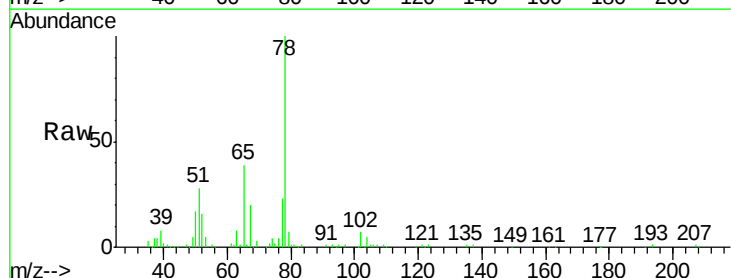
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-72-12012

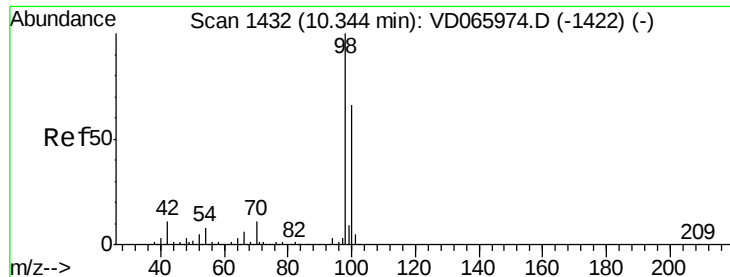
Tot Ion:113 Resp: 118771
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 23.2 18.7 28.1



#40
Benzene
Concen: 13.678 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

Tgt Ion: 78 Resp: 129147
Ion Ratio Lower Upper
78 100
77 22.8 18.6 27.8

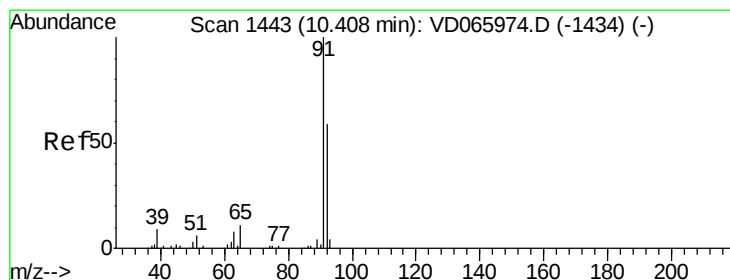
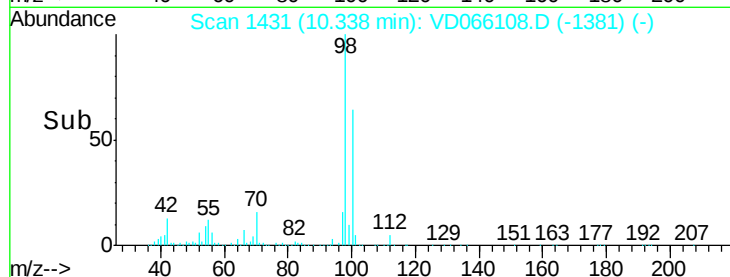
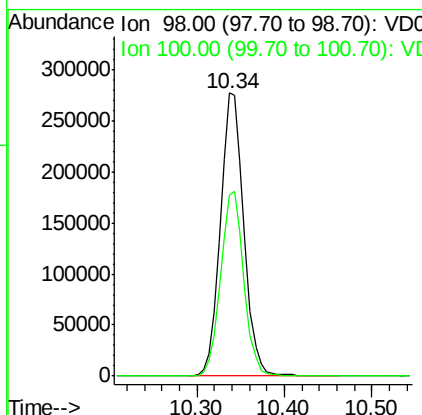
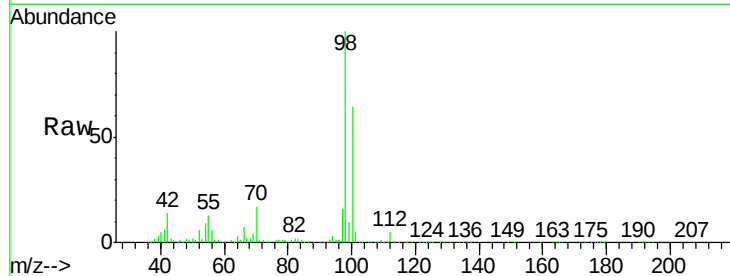




#50
Toluene-d8
Concen: 57.363 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

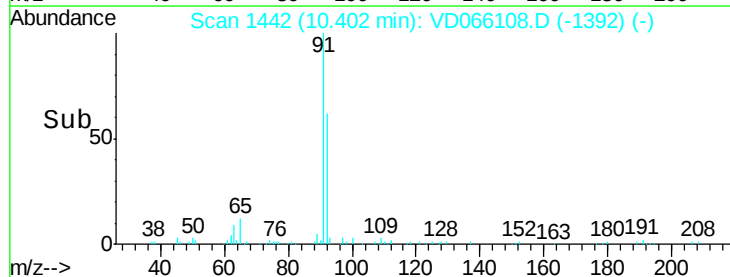
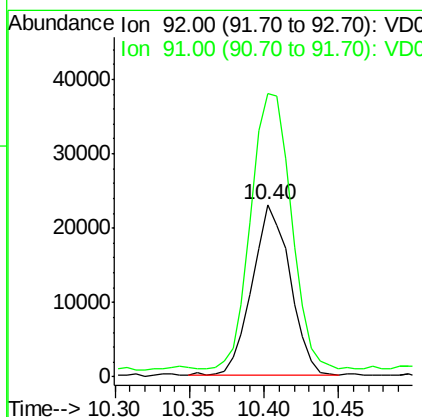
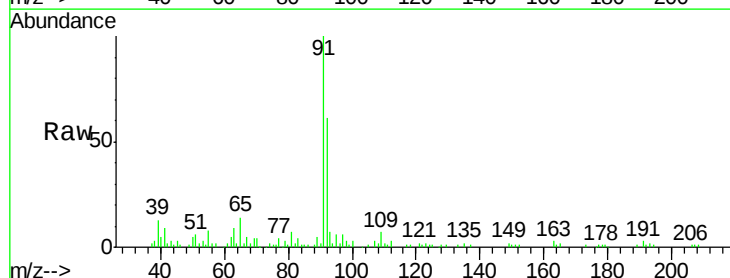
Instrument :
MSVOA_D
ClientSampleId :
ROLLOFF-72-12012

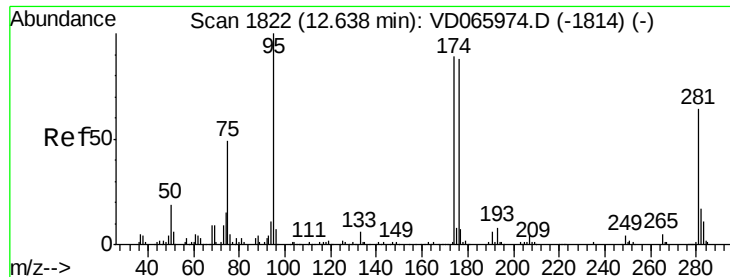
Tot Ion: 98 Resp: 512566
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#52
Toluene
Concen: 6.559 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

Tgt Ion: 92 Resp: 40389
Ion Ratio Lower Upper
92 100
91 170.5 134.5 201.7





#62

4-Bromofluorobenzene

Concen: 77.247 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

ROLLOFF-72-12012

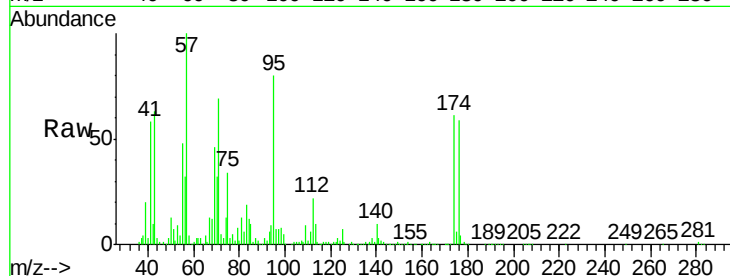
Tot Ion: 95 Resp: 239329

Ion Ratio Lower Upper

95 100

174 76.9 0.0 178.8

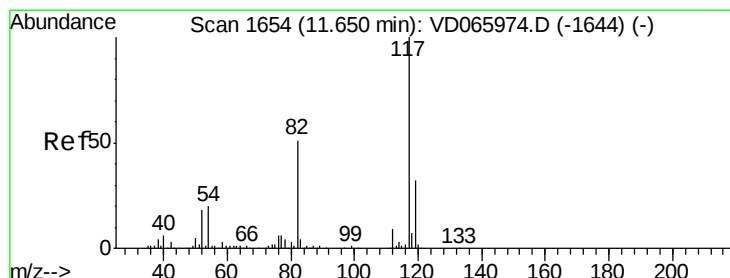
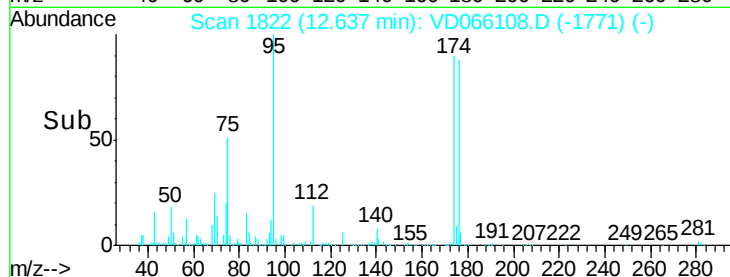
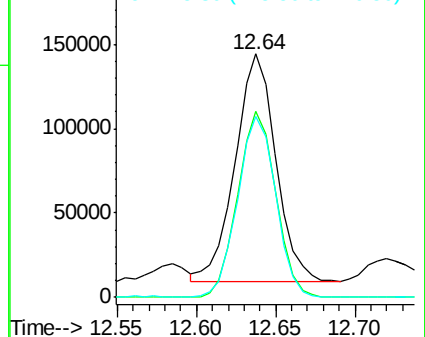
176 74.5 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VD066108.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066108.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066108.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

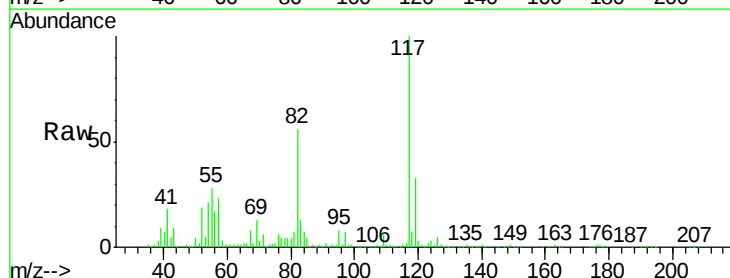
Tgt Ion: 117 Resp: 440777

Ion Ratio Lower Upper

117 100

82 51.2 41.1 61.7

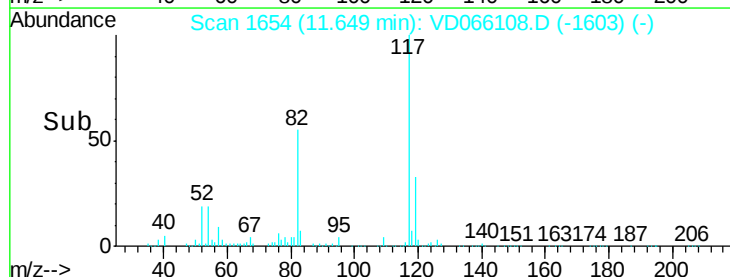
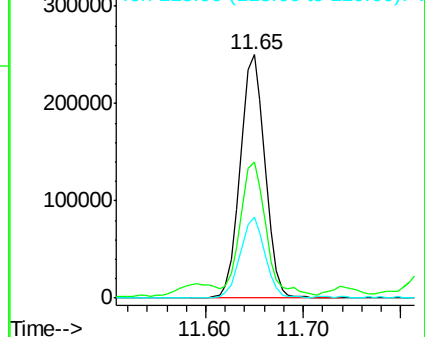
119 33.2 25.9 38.9

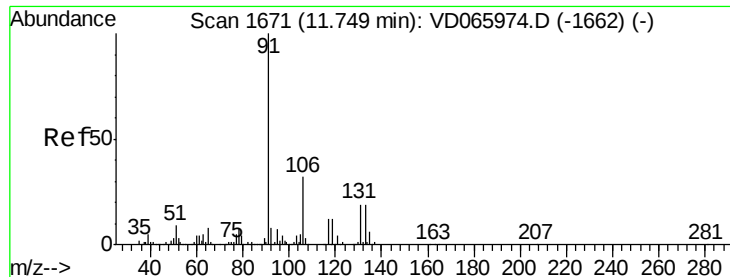


Abundance Ion 116.90 (116.60 to 117.60): VD066108.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD066108.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD066108.D (-1603) (-)





#67

Ethyl Benzene

Concen: 5.105 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

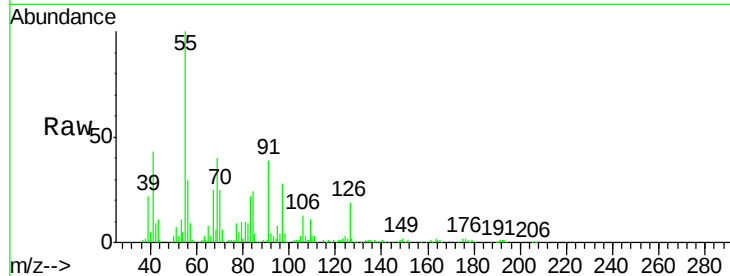
ROLLOFF-72-12012

Tot Ion: 91 Resp: 70901

Ion Ratio Lower Upper

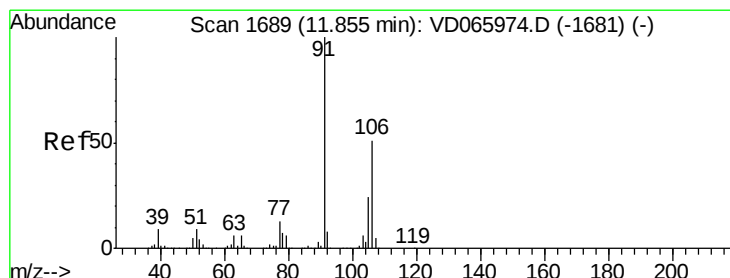
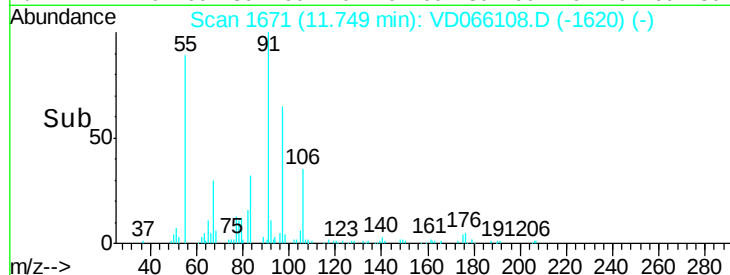
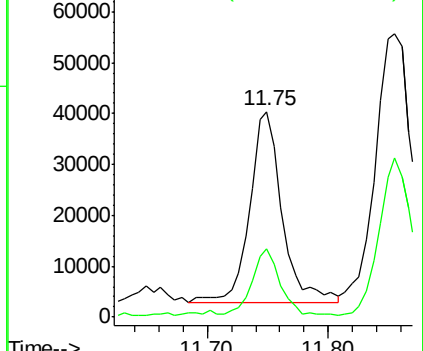
91 100

106 34.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.681 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066108.D

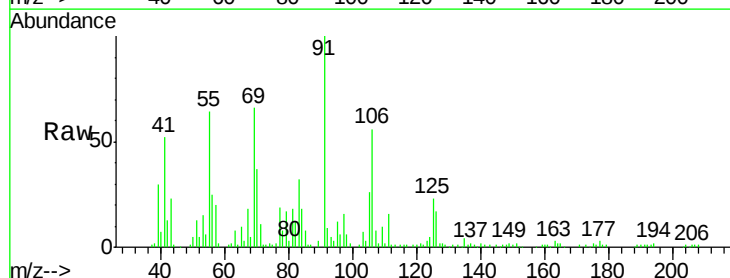
Acq: 30 Jul 2020 13:46

Tgt Ion: 106 Resp: 57015

Ion Ratio Lower Upper

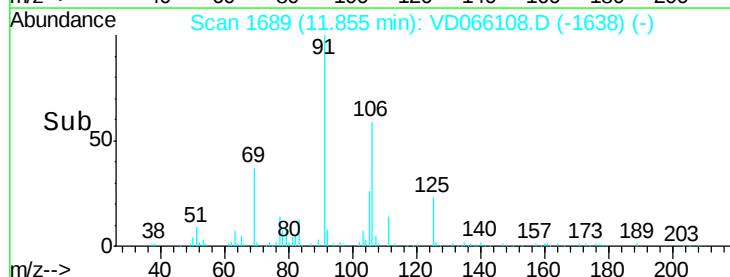
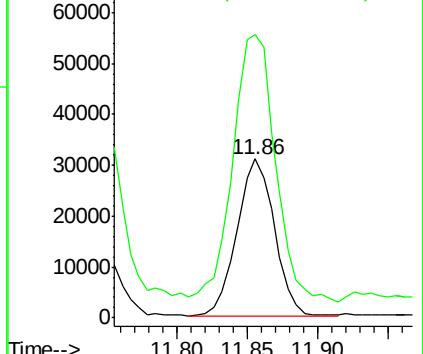
106 100

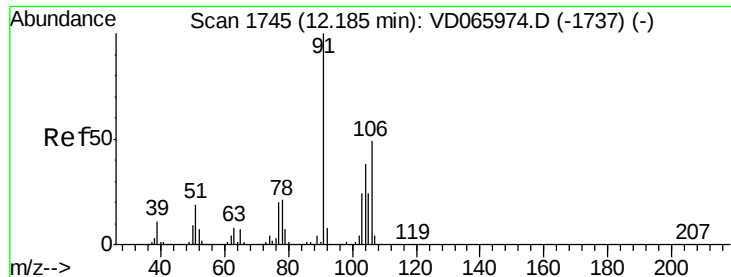
91 193.7 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

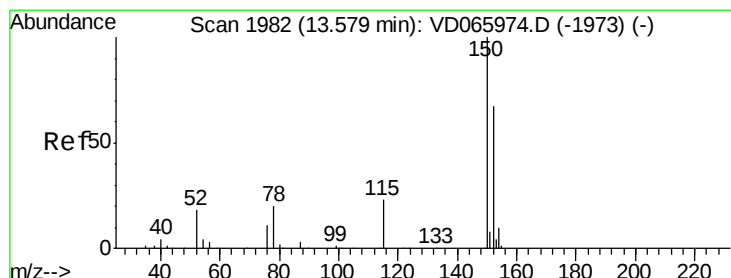
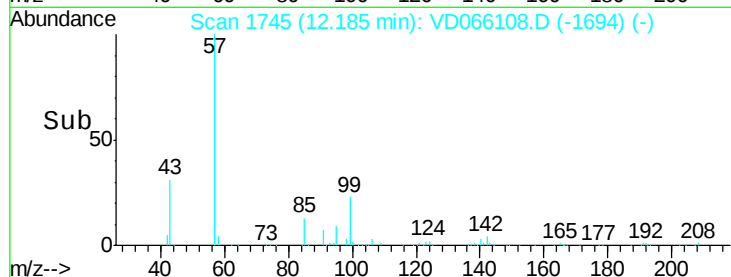
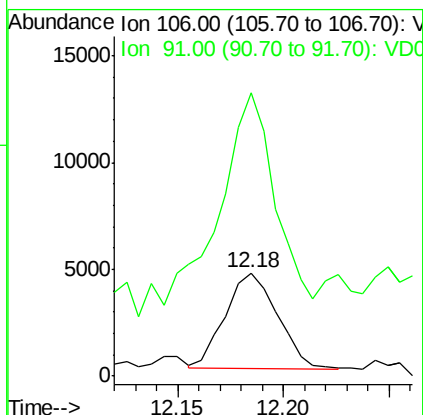
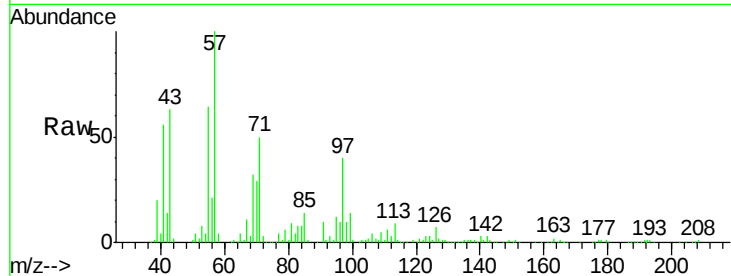




#69
o-Xylene
Concen: 1.571 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

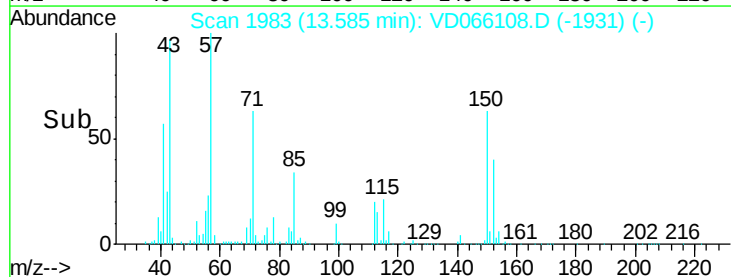
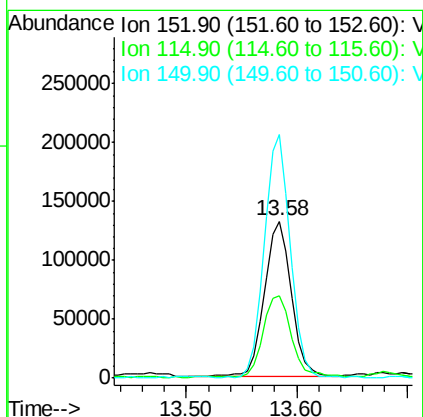
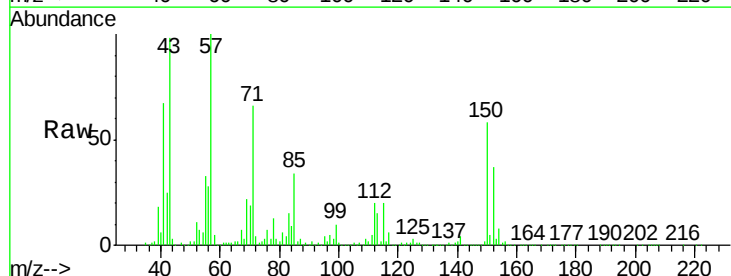
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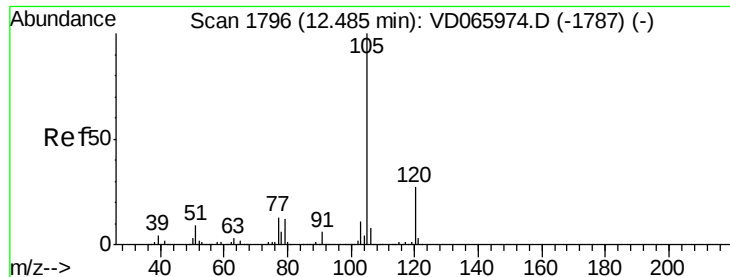
Tot Ion:106 Resp: 7626
Ion Ratio Lower Upper
106 100
91 269.8 103.1 309.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066108.D
Acq: 30 Jul 2020 13:46

Tgt Ion:152 Resp: 227095
Ion Ratio Lower Upper
152 100
115 54.3 27.9 83.7
150 148.6 0.0 348.2





#73

Isopropylbenzene

Concen: 9.912 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

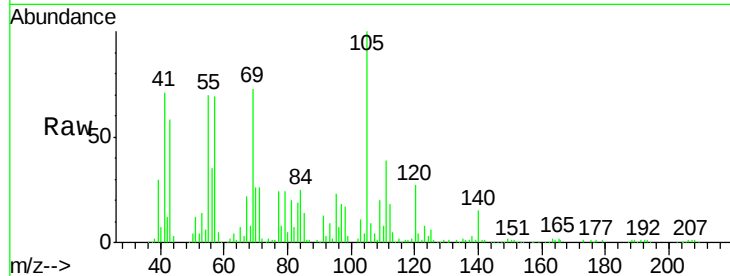
ROLLOFF-72-12012

Tot Ion:105 Resp: 136205

Ion Ratio Lower Upper

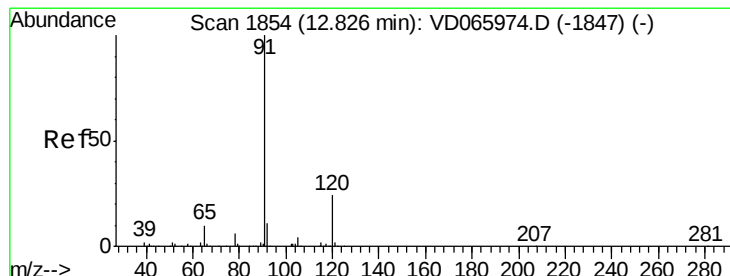
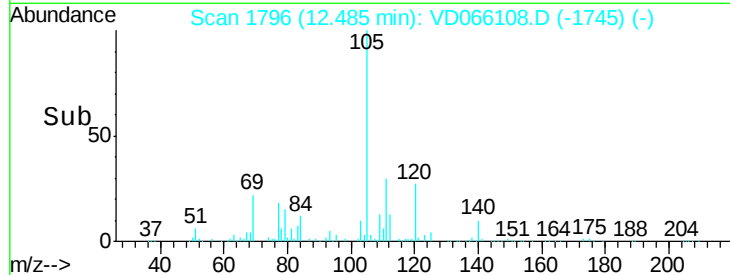
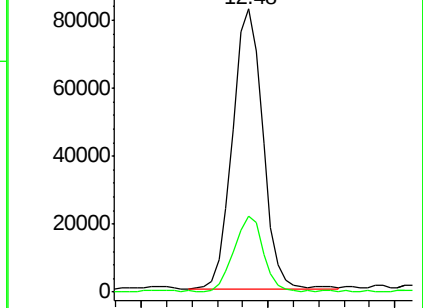
105 100

120 26.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 30.015 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066108.D

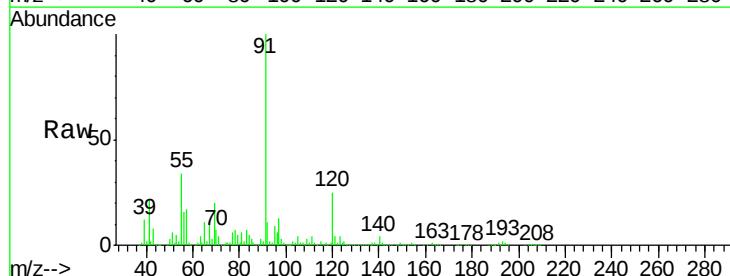
Acq: 30 Jul 2020 13:46

Tgt Ion: 91 Resp: 478610

Ion Ratio Lower Upper

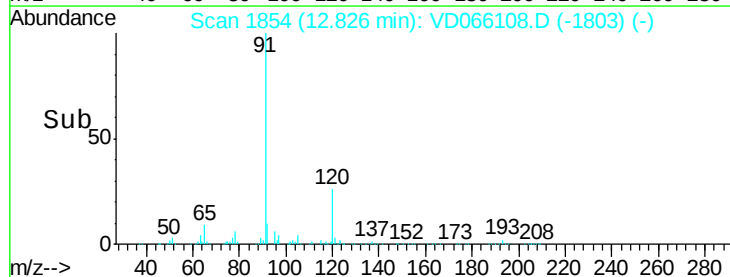
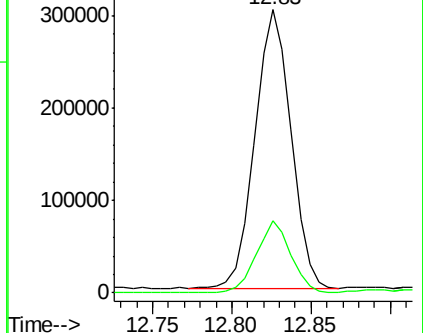
91 100

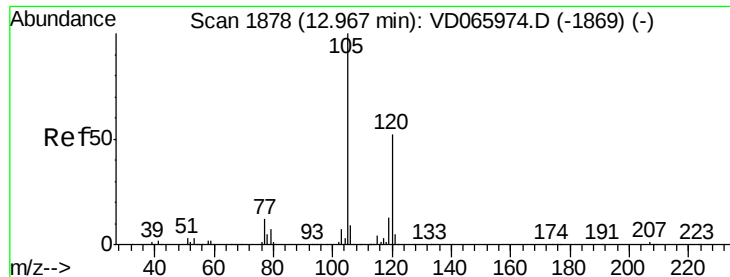
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.109 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

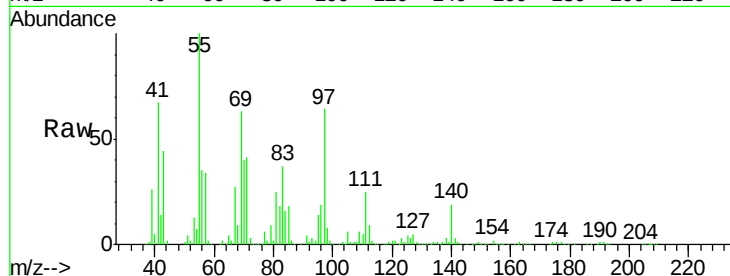
ROLLOFF-72-12012

Tot Ion:105 Resp: 12525

Ion Ratio Lower Upper

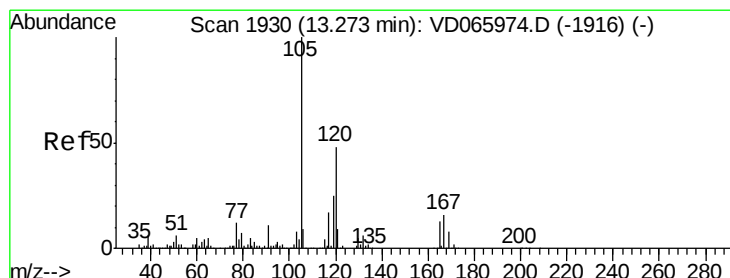
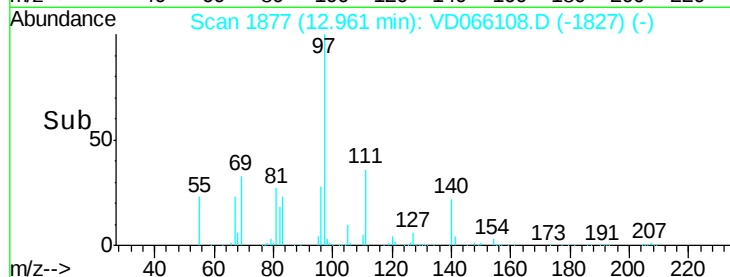
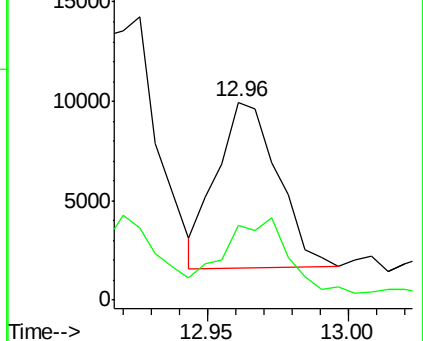
105 100

120 47.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.582 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066108.D

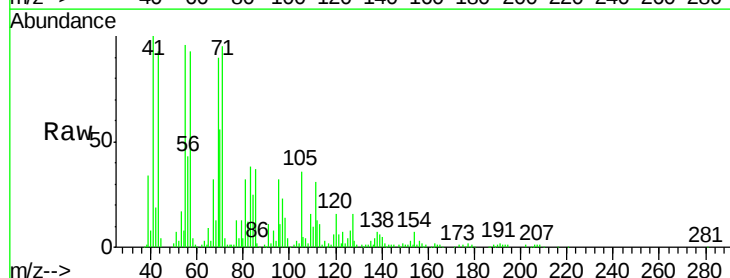
Acq: 30 Jul 2020 13:46

Tgt Ion:105 Resp: 39899

Ion Ratio Lower Upper

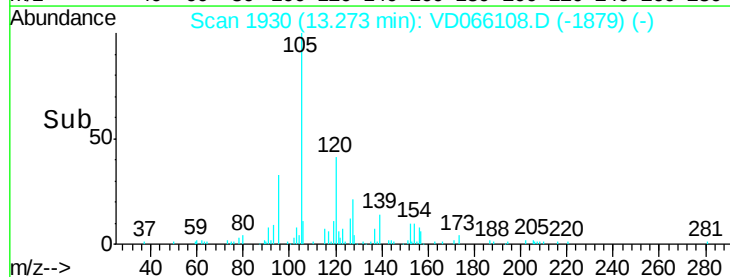
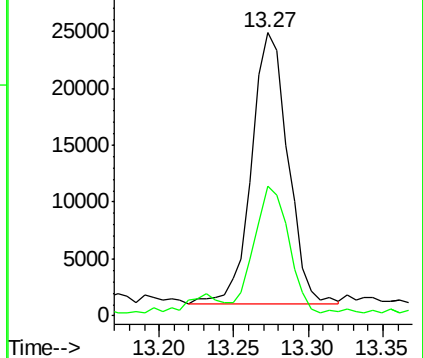
105 100

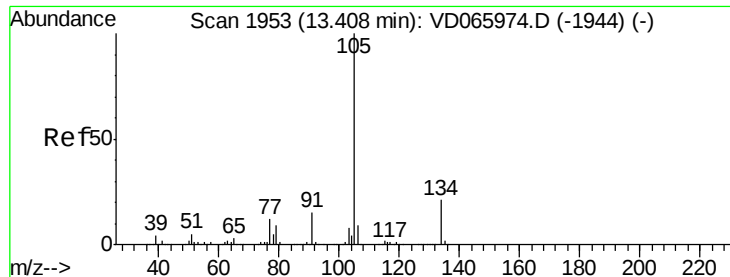
120 44.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.029 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

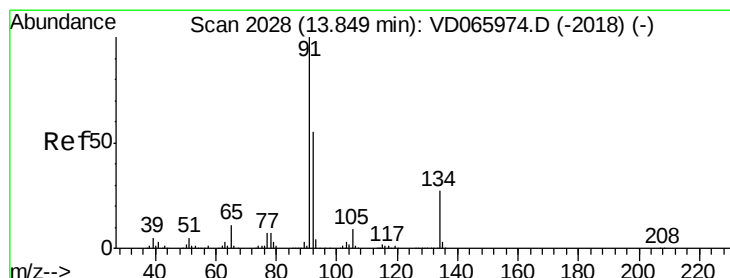
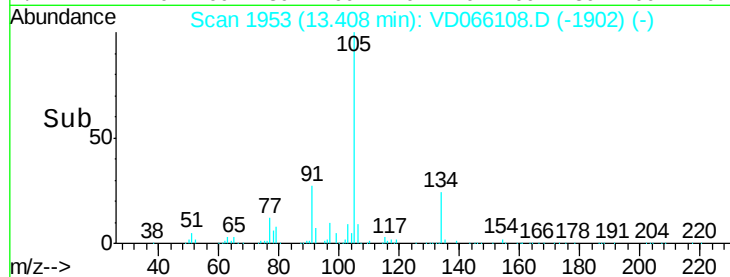
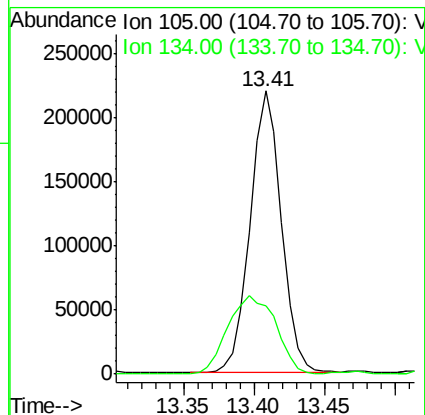
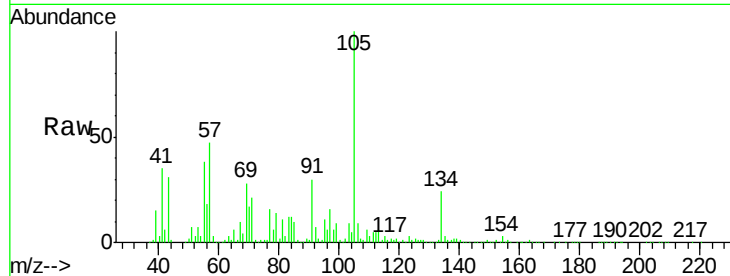
ROLLOFF-72-12012

Tot Ion:105 Resp: 340583

Ion Ratio Lower Upper

105 100

134 42.6 10.4 31.4#



#89

n-Butylbenzene

Concen: 76.698 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD066108.D

Acq: 30 Jul 2020 13:46

Tgt Ion: 91 Resp: 881643

Ion Ratio Lower Upper

91 100

92 45.4 27.2 81.6

134 54.4 13.8 41.4#

