

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066380.D
 Acq On : 24 Aug 2020 14:47
 Operator : VA/SY
 Sample : L3773-03
 Misc : 1.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

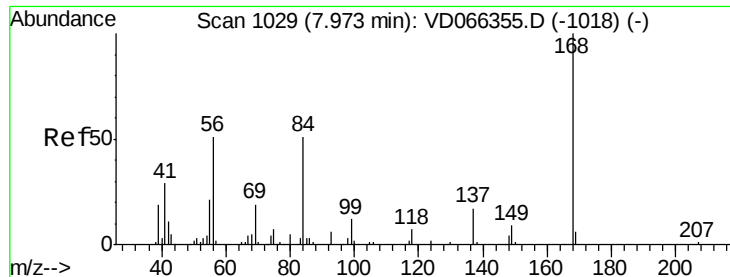
Quant Time: Aug 25 03:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	104374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	168350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	116865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	49321	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	76119	74.39	ug/l	0.00
Spiked Amount			Recovery	=	148.78%	
35) Dibromofluoromethane	7.91	113	65242	61.98	ug/l	0.00
Spiked Amount			Recovery	=	123.96%	
50) Toluene-d8	10.34	98	152489	39.59	ug/l	0.00
Spiked Amount			Recovery	=	79.18%	
62) 4-Bromofluorobenzene	12.63	95	58789	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	24737	21.481	ug/l	90
67) Ethyl Benzene	11.74	91	17529	4.283	ug/l	97
68) m/p-Xylenes	11.84	106	64910	41.611	ug/l	96
69) o-Xylene	12.18	106	103009	70.982	ug/l	98
73) Isopropylbenzene	12.48	105	32665	9.887	ug/l	99
78) n-propylbenzene	12.82	91	107137	28.281	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	529290	185.540	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1451382	517.991	ug/l	99
85) sec-Butylbenzene	13.40	105	172941	53.271	ug/l	87
86) p-Isopropyltoluene	13.52	119	175057	55.922	ug/l	98
89) n-Butylbenzene	13.84	91	199798	72.329	ug/l #	63
95) Naphthalene	15.41	128	148855	90.086	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

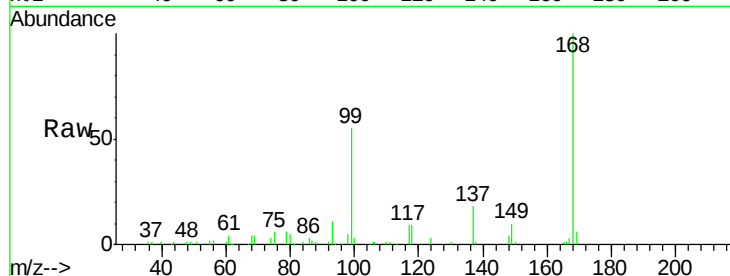
OILY-DEBRIS

Tot Ion:168 Resp: 104374

Ion Ratio Lower Upper

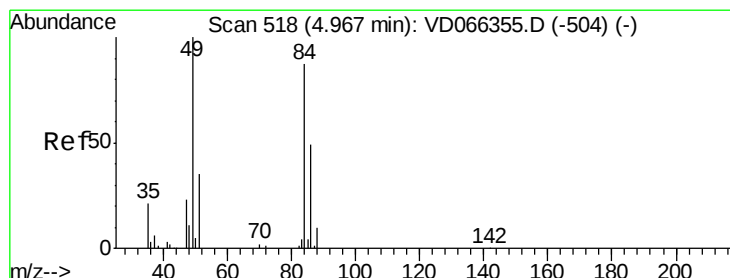
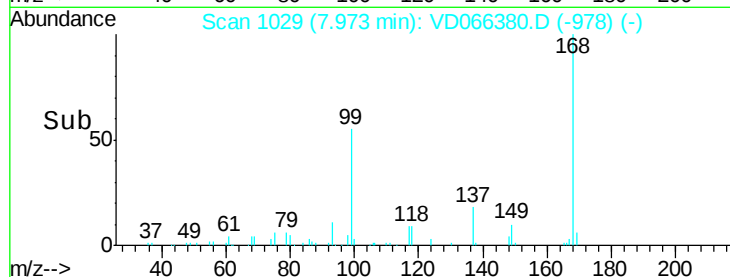
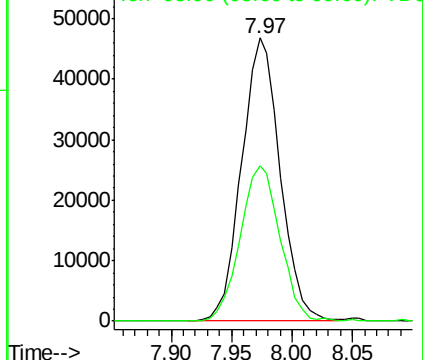
168 100

99 54.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 21.481 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Tgt Ion: 84 Resp: 24737

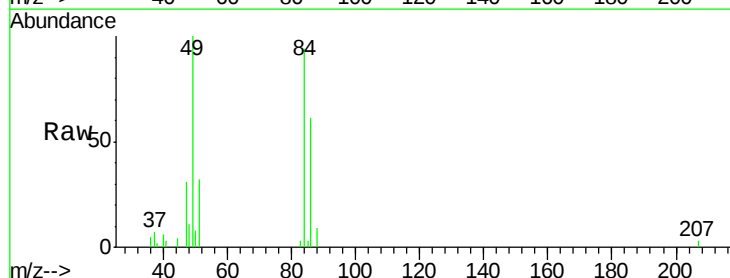
Ion Ratio Lower Upper

84 100

49 106.5 92.5 138.7

51 33.9 32.5 48.7

86 64.8 45.0 67.6

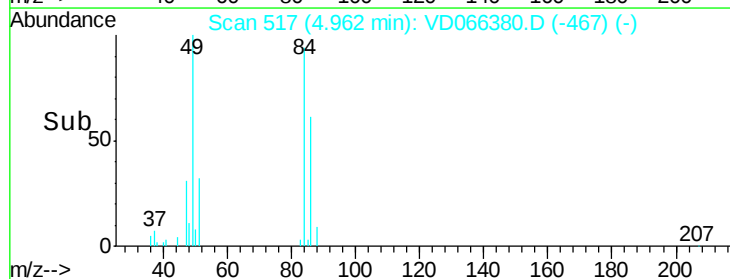
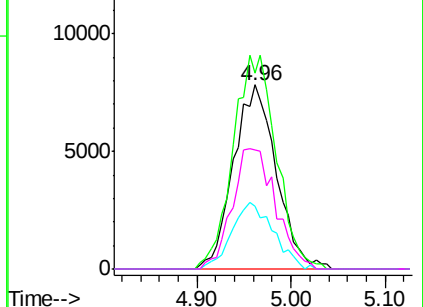


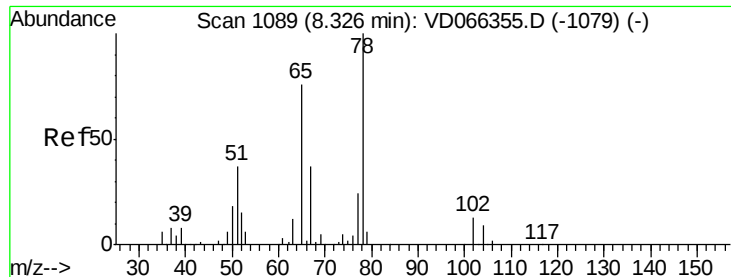
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

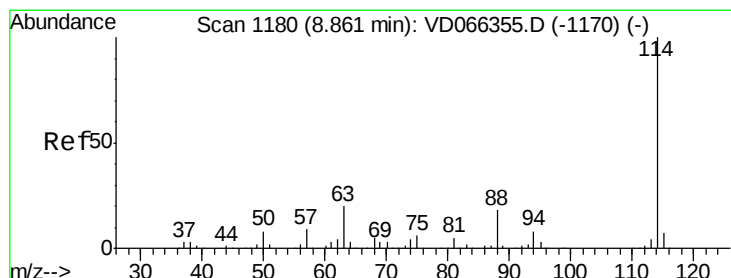
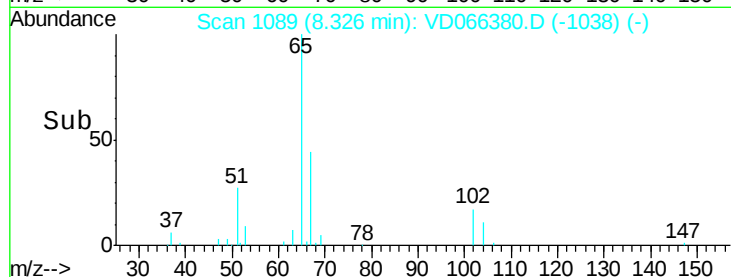
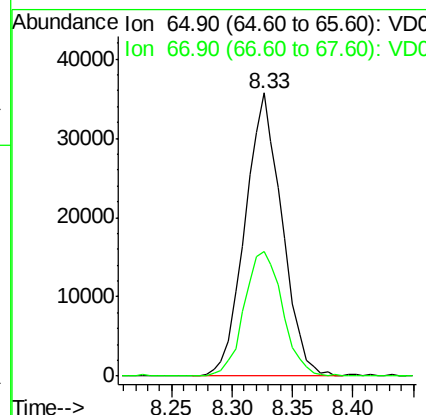
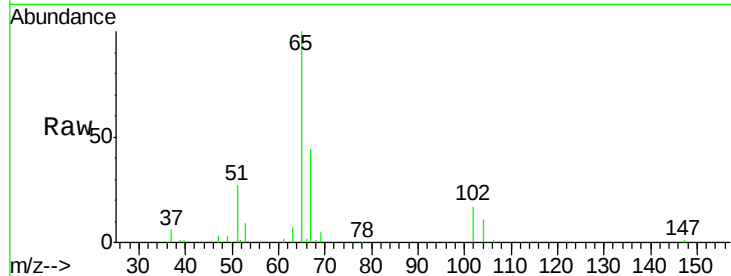




#33
 1,2-Dichloroethane-d4
 Concen: 74.387 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066380.D
 Acq: 24 Aug 2020 14:47

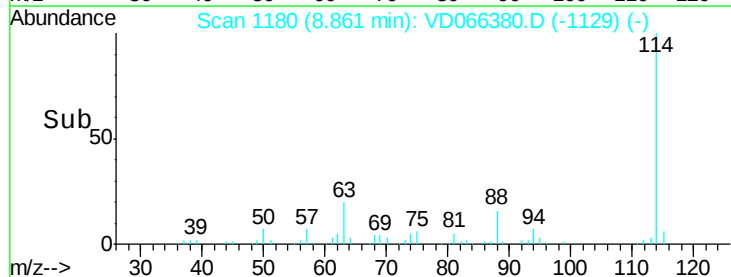
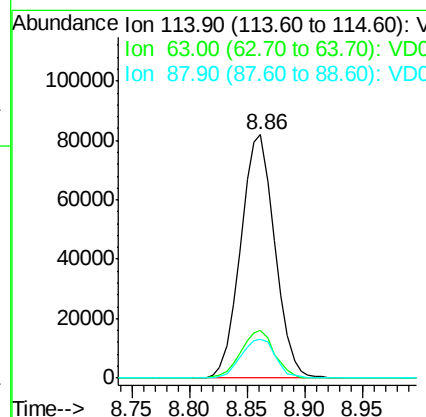
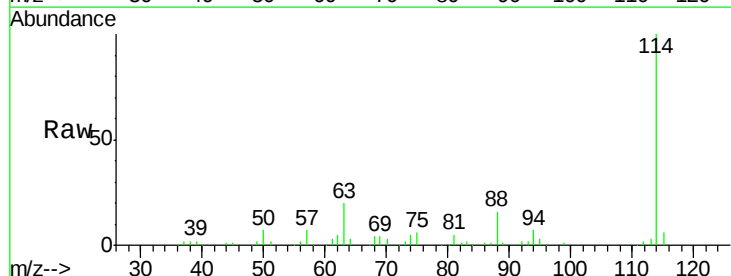
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

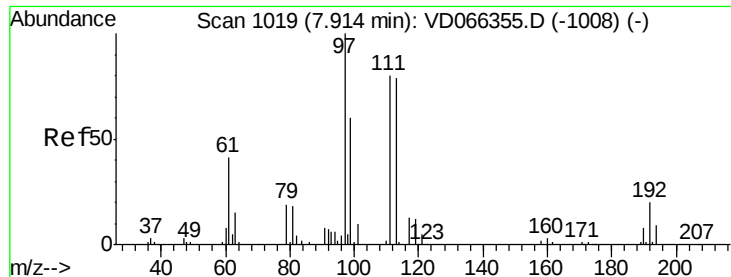
Tot Ion: 65 Resp: 76119
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066380.D
 Acq: 24 Aug 2020 14:47

Tgt Ion: 114 Resp: 168350
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 16.1 0.0 35.4





#35

Dibromofluoromethane

Concen: 61.975 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

OILY-DEBRIS

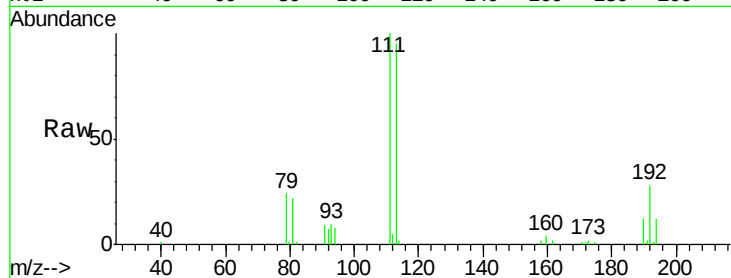
Tot Ion:113 Resp: 65242

Ion Ratio Lower Upper

113 100

111 103.5 80.3 120.5

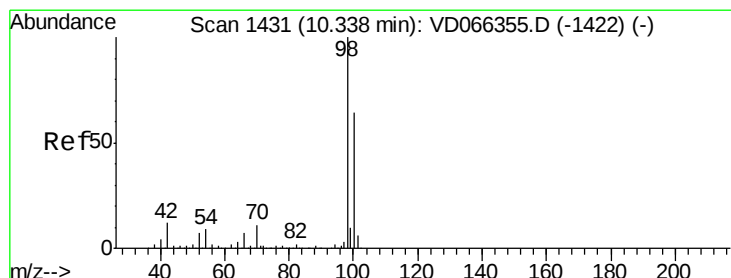
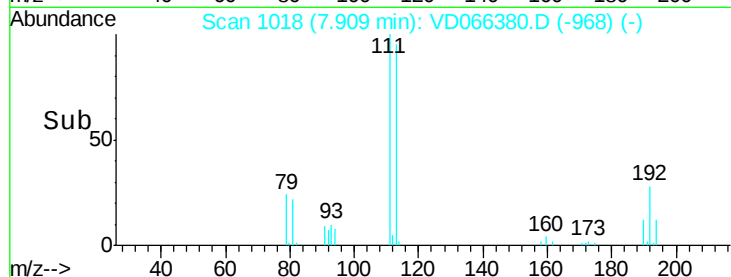
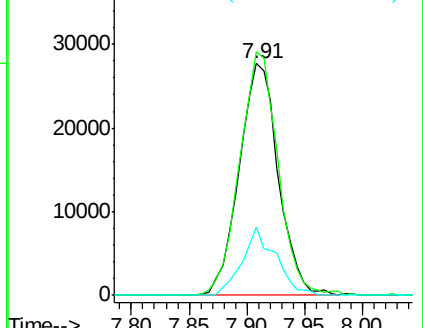
192 25.1 19.0 28.6



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: 39.590 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066380.D

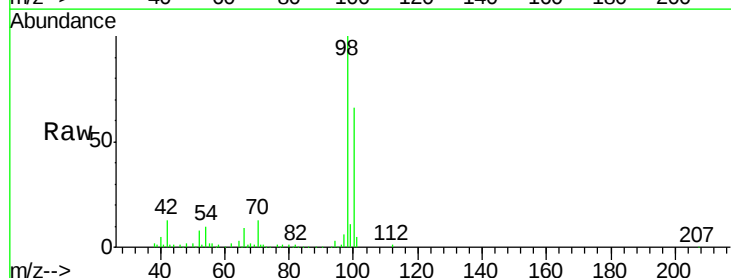
Acq: 24 Aug 2020 14:47

Tgt Ion: 98 Resp: 152489

Ion Ratio Lower Upper

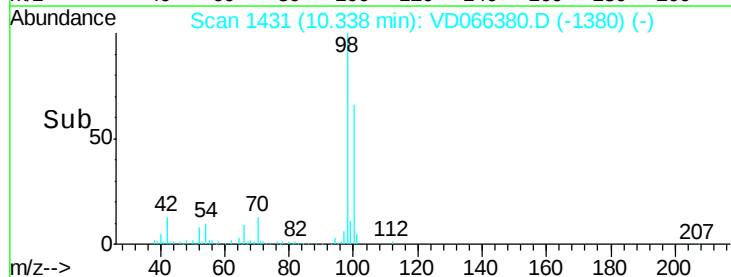
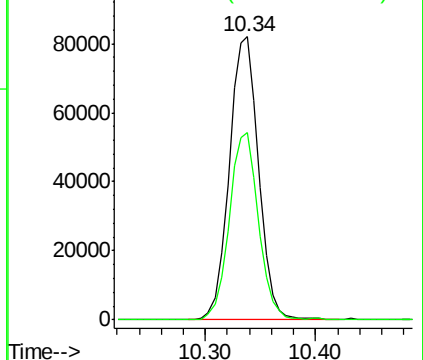
98 100

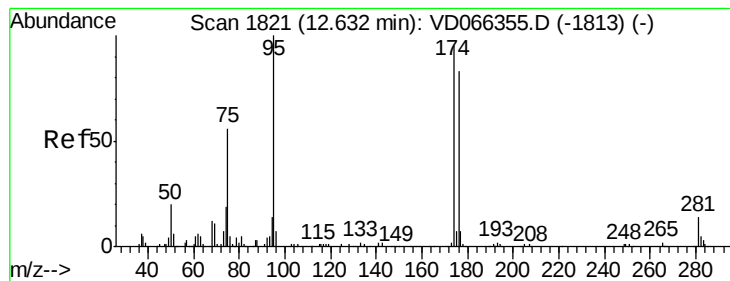
100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.014 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

OILY-DEBRIS

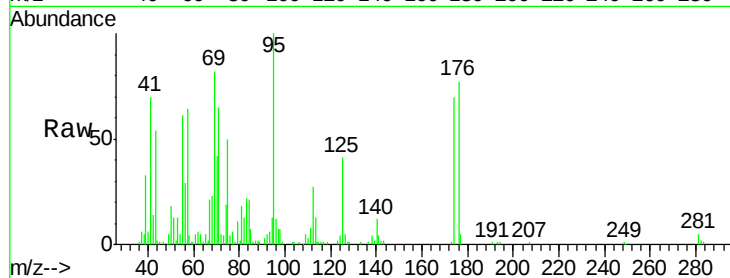
Tot Ion: 95 Resp: 58789

Ion Ratio Lower Upper

95 100

174 71.5 0.0 183.4

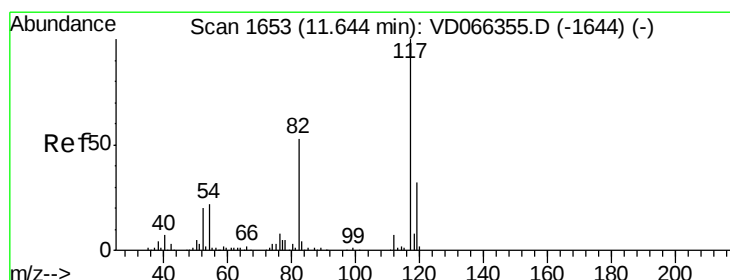
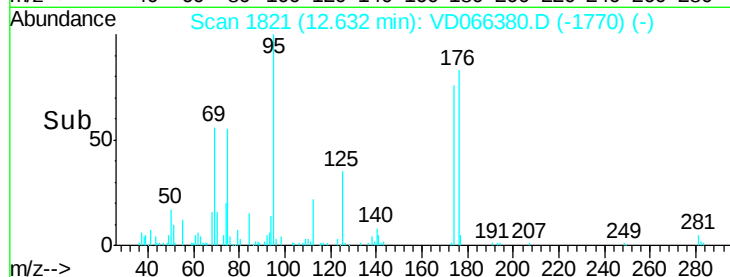
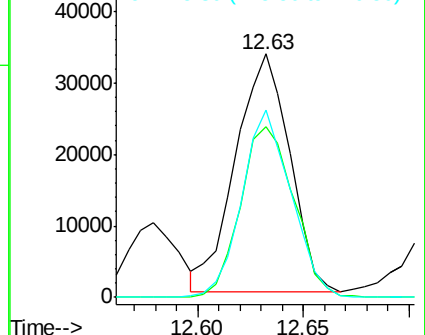
176 72.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

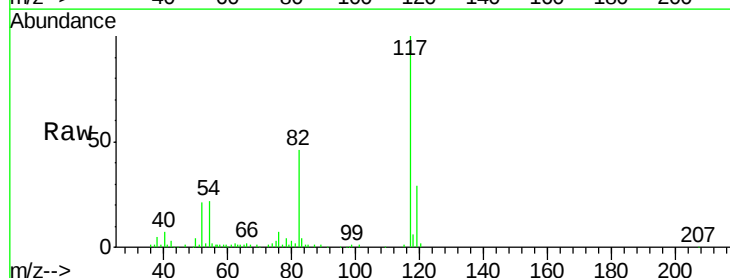
Tgt Ion: 117 Resp: 116865

Ion Ratio Lower Upper

117 100

82 44.3 42.8 64.2

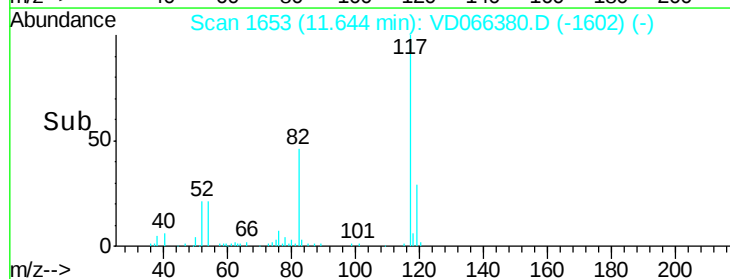
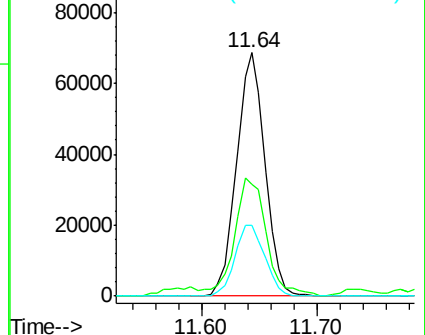
119 29.1 25.8 38.8

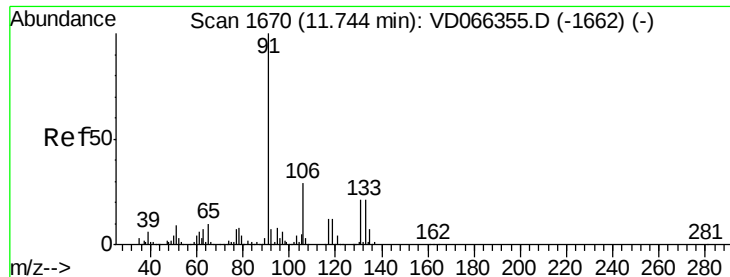


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 4.283 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

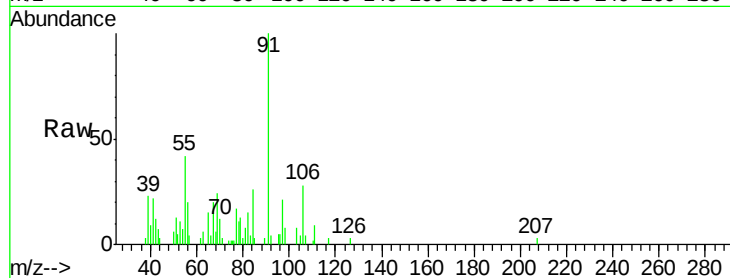
OILY-DEBRIS

Tot Ion: 91 Resp: 17529

Ion Ratio Lower Upper

91 100

106 27.8 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD066355.D (-1662) (-)

15000

10000

5000

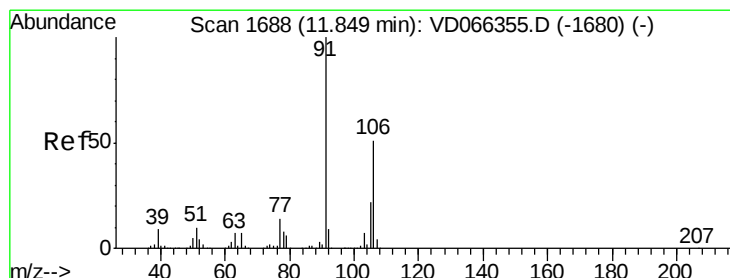
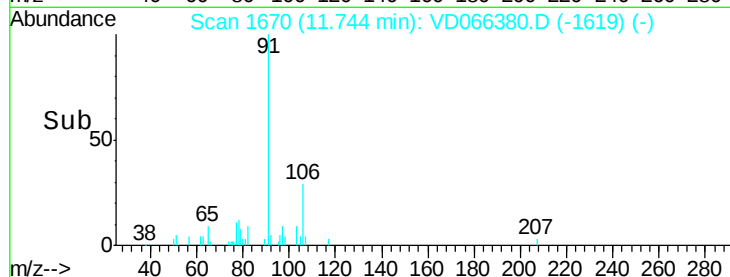
0

11.74

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 41.611 ug/l

RT: 11.84 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VD066380.D

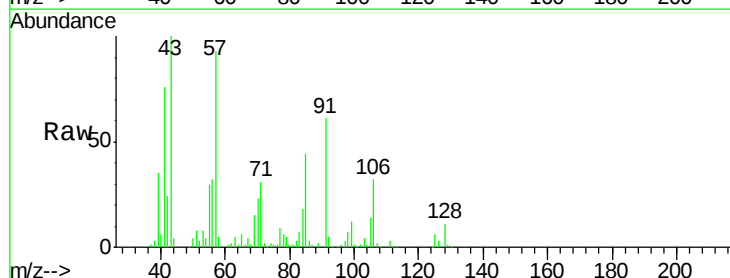
Acq: 24 Aug 2020 14:47

Tgt Ion: 106 Resp: 64910

Ion Ratio Lower Upper

106 100

91 206.7 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066355.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066355.D (-1680) (-)

80000

60000

40000

20000

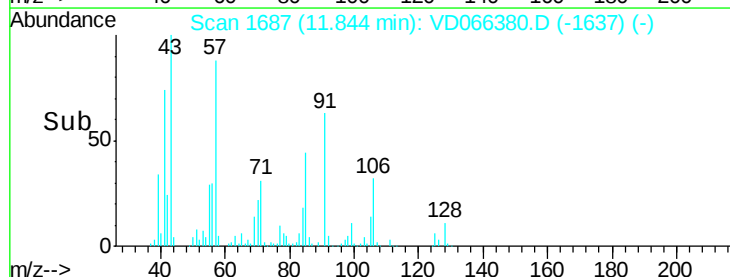
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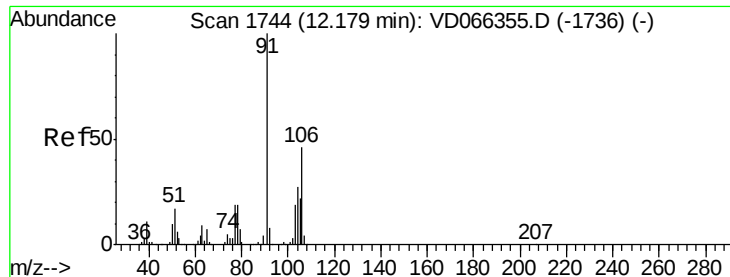
11.84

11.85

11.90

Time-->

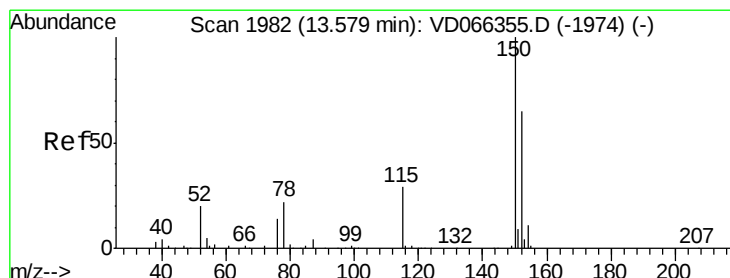
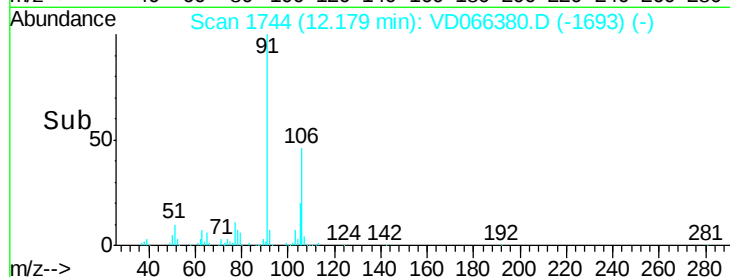
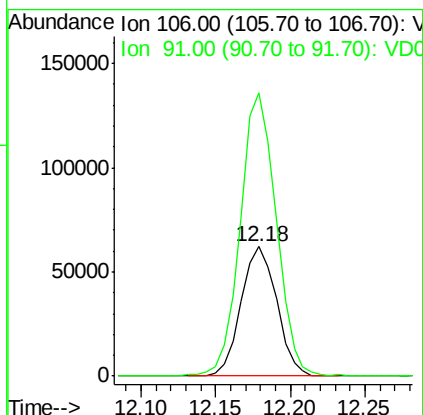
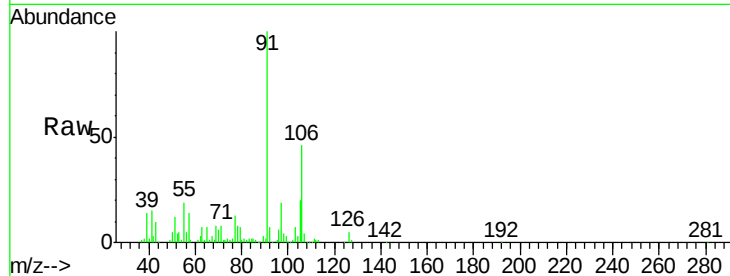




#69
o-Xylene
Concen: 70.982 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066380.D
Acq: 24 Aug 2020 14:47

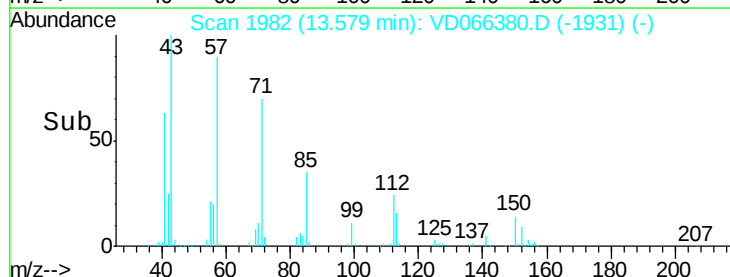
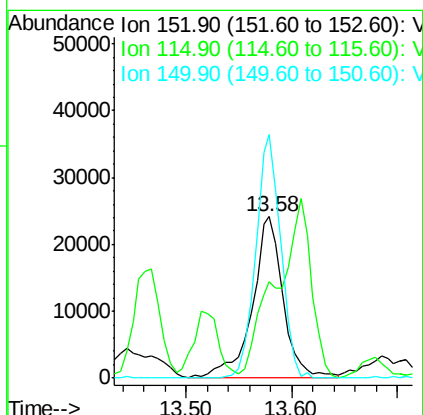
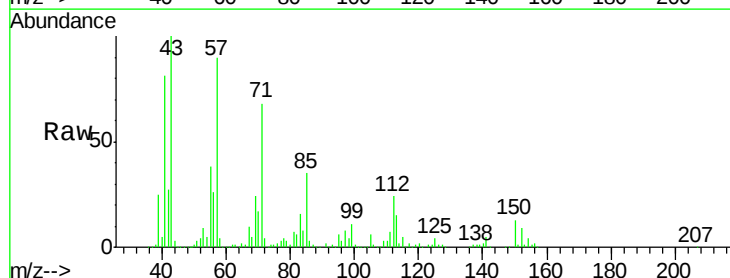
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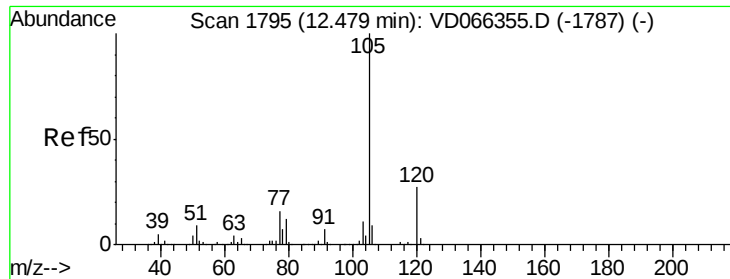
Tot Ion:106 Resp: 103009
Ion Ratio Lower Upper
106 100
91 220.7 109.1 327.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066380.D
Acq: 24 Aug 2020 14:47

Tgt Ion:152 Resp: 49321
Ion Ratio Lower Upper
152 100
115 0.0 28.3 85.0#
150 121.6 0.0 343.2





#73

Isopropylbenzene

Concen: 9.887 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

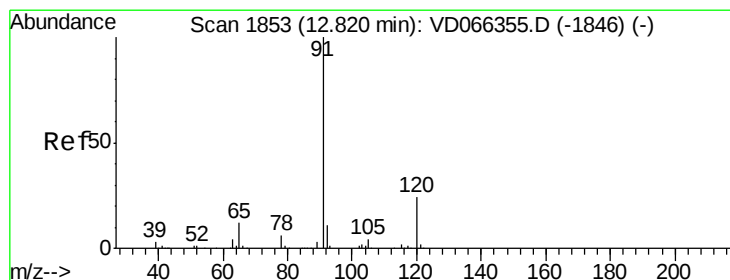
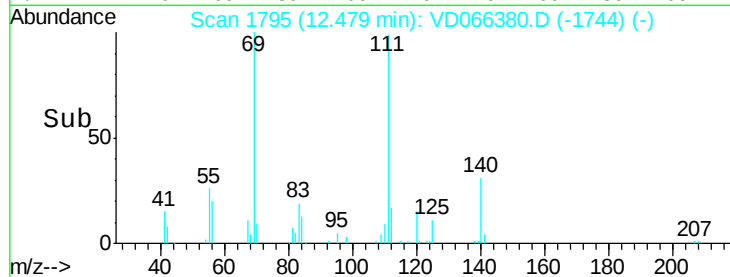
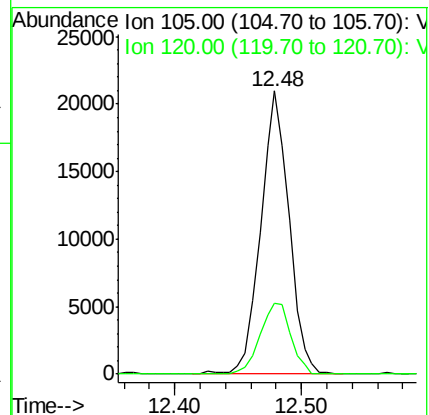
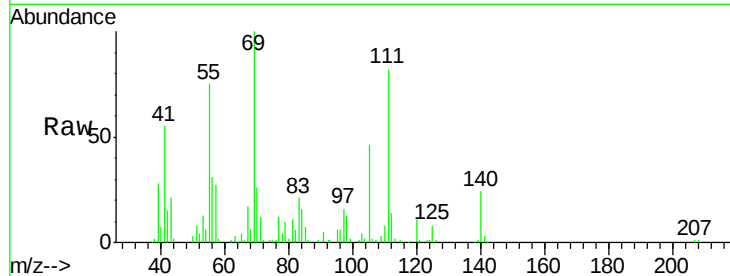
OILY-DEBRIS

Tot Ion:105 Resp: 32665

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#78

n-propylbenzene

Concen: 28.281 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066380.D

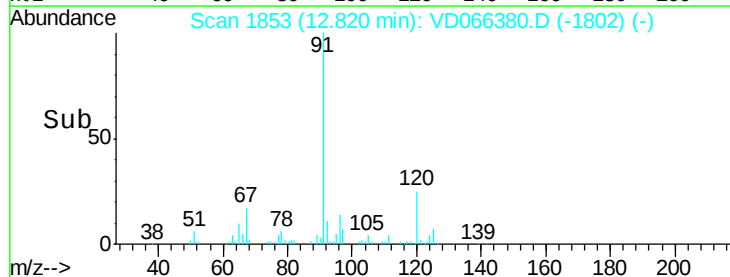
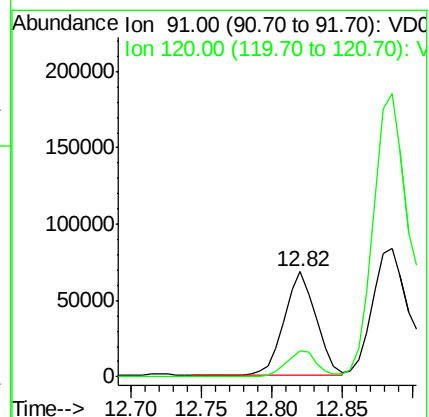
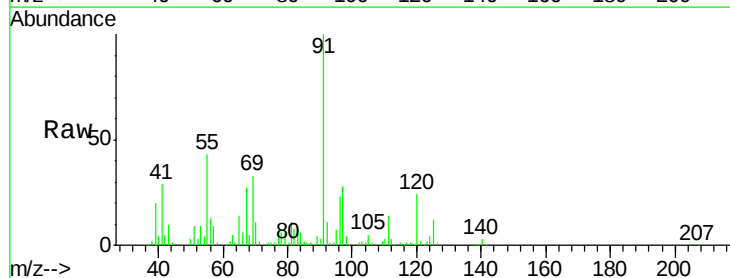
Acq: 24 Aug 2020 14:47

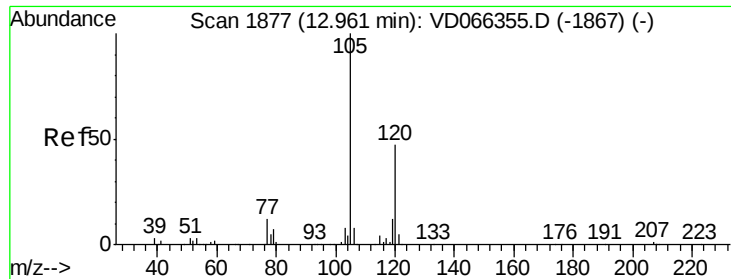
Tgt Ion: 91 Resp: 107137

Ion Ratio Lower Upper

91 100

120 24.9 12.0 36.0

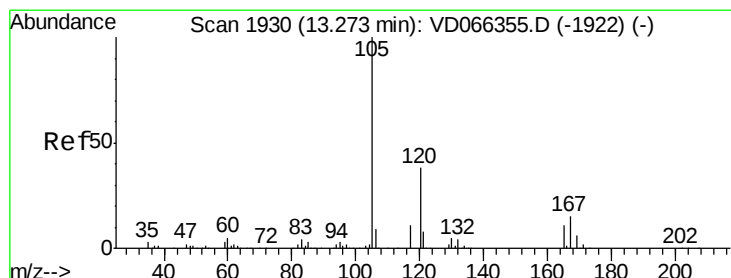
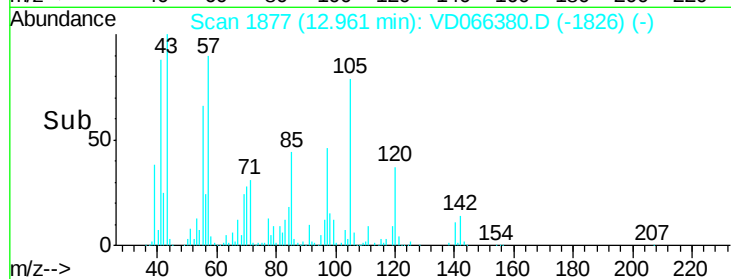
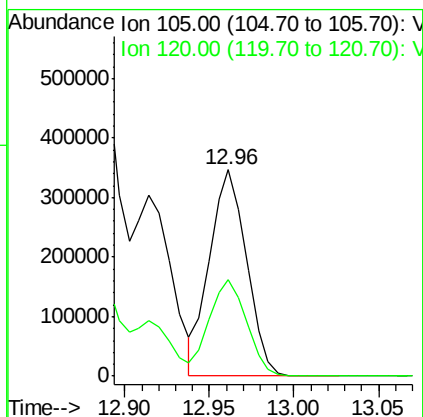
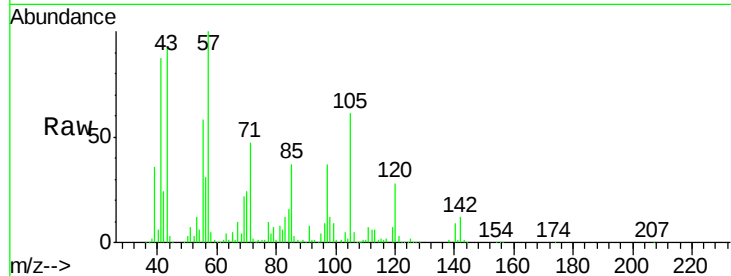




#80
 1,3,5-Trimethylbenzene
 Concen: 185.540 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066380.D
 Acq: 24 Aug 2020 14:47

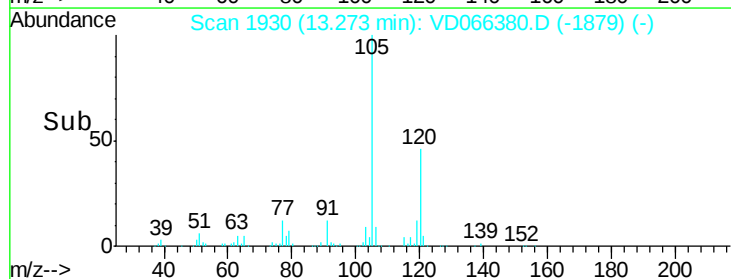
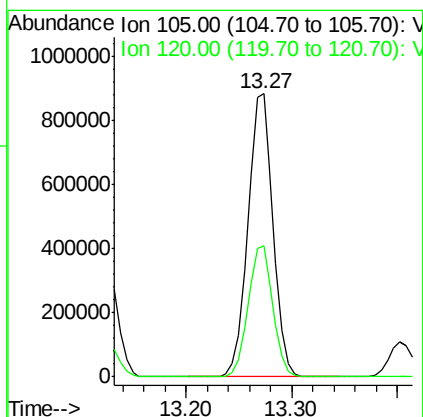
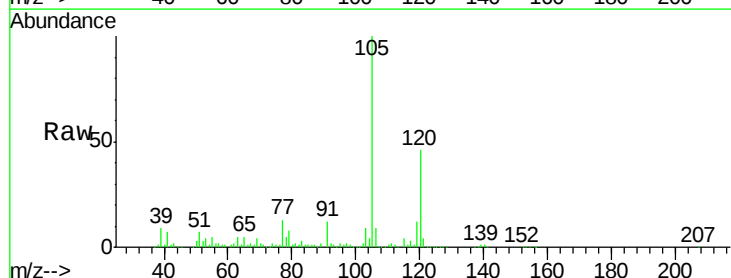
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

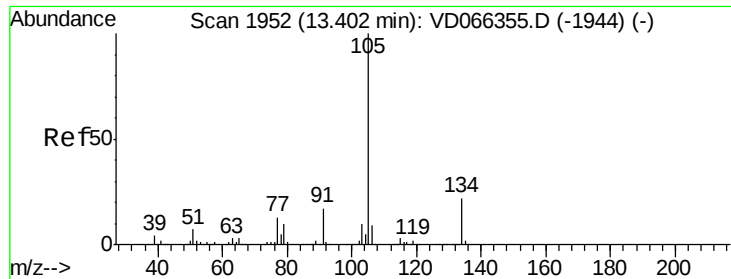
Tot Ion:105 Resp: 529290
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.2



#84
 1,2,4-Trimethylbenzene
 Concen: 517.991 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066380.D
 Acq: 24 Aug 2020 14:47

Tgt Ion:105 Resp: 1451382
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 53.271 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

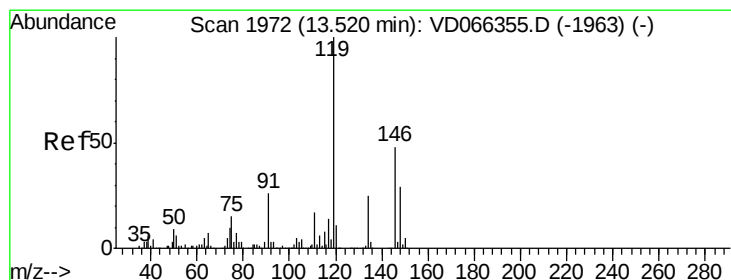
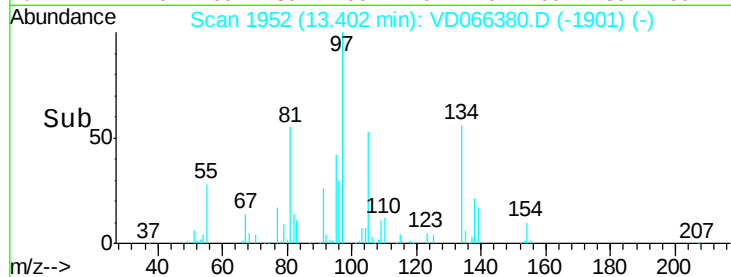
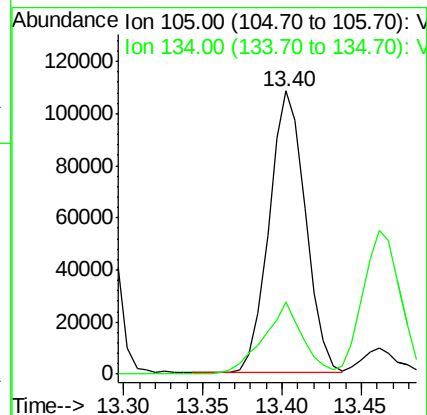
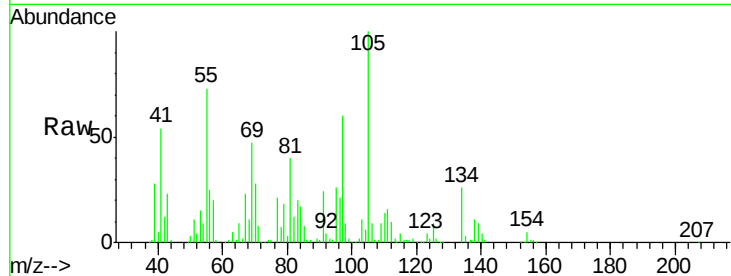
OILY-DEBRIS

Tot Ion:105 Resp: 172941

Ion Ratio Lower Upper

105 100

134 27.8 10.8 32.4



#86

p-Isopropyltoluene

Concen: 55.922 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066380.D

Acq: 24 Aug 2020 14:47

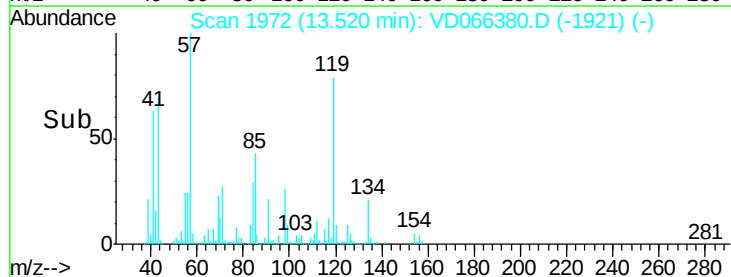
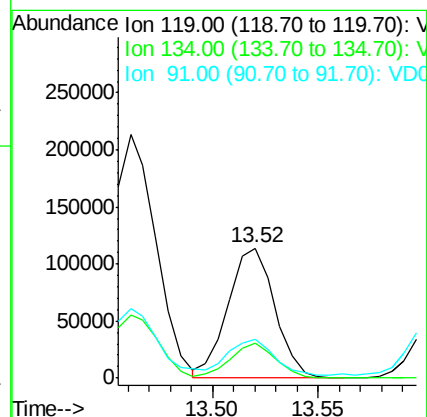
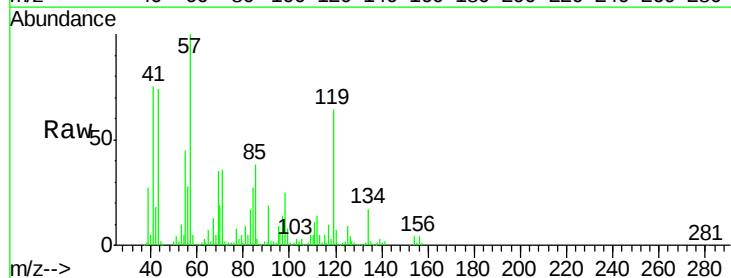
Tgt Ion:119 Resp: 175057

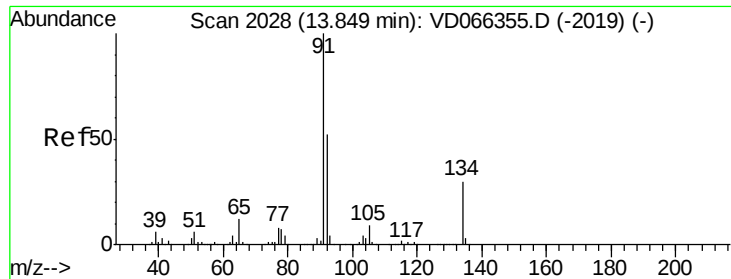
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 26.6 12.7 38.0

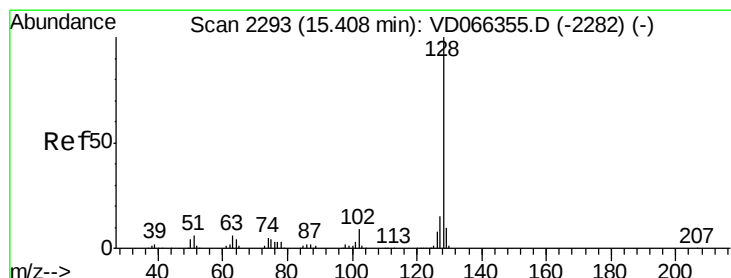
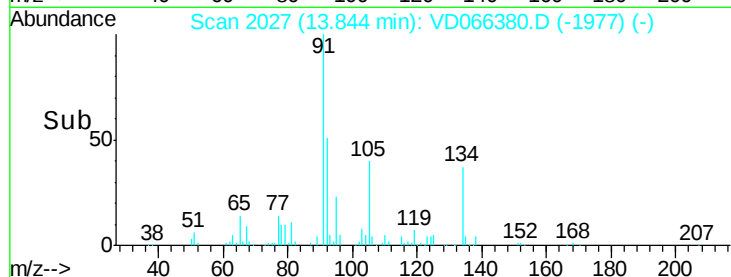
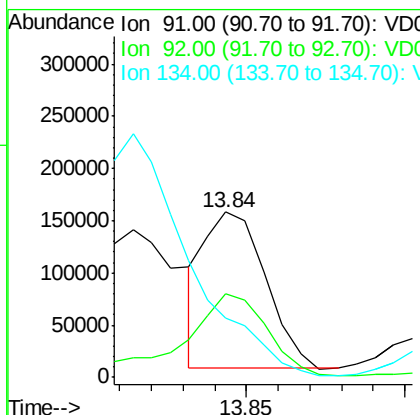
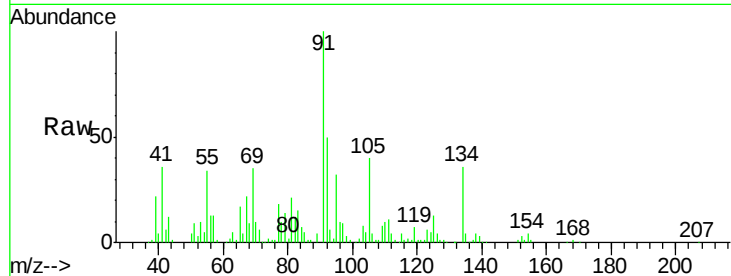




#89
n-Butylbenzene
Concen: 72.329 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066380.D
Acq: 24 Aug 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
OILY-DEBRIS

Tot Ion: 91 Resp: 199798
Ion Ratio Lower Upper
91 100
92 72.1 26.4 79.0
134 0.0 14.4 43.4#



#95
Naphthalene
Concen: 90.086 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066380.D
Acq: 24 Aug 2020 14:47

Tgt Ion:128 Resp: 148855
Ion Ratio Lower Upper
128 100
127 10.8 10.7 16.1
129 8.9 8.6 12.8

