

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003423.D
 Acq On : 03 Aug 2020 17:39
 Operator : SY/MD
 Sample : L3512-01RE
 Misc : 4.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OILY-DEBRIS-1499RE

Quant Time: Aug 04 02:51:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	388822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	593292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	354721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	69394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	165461	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.74	113	188345	53.89	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	10.18	98	596159	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	
62) 4-Bromofluorobenzene	12.48	95	106720	22.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.64%	

Target Compounds

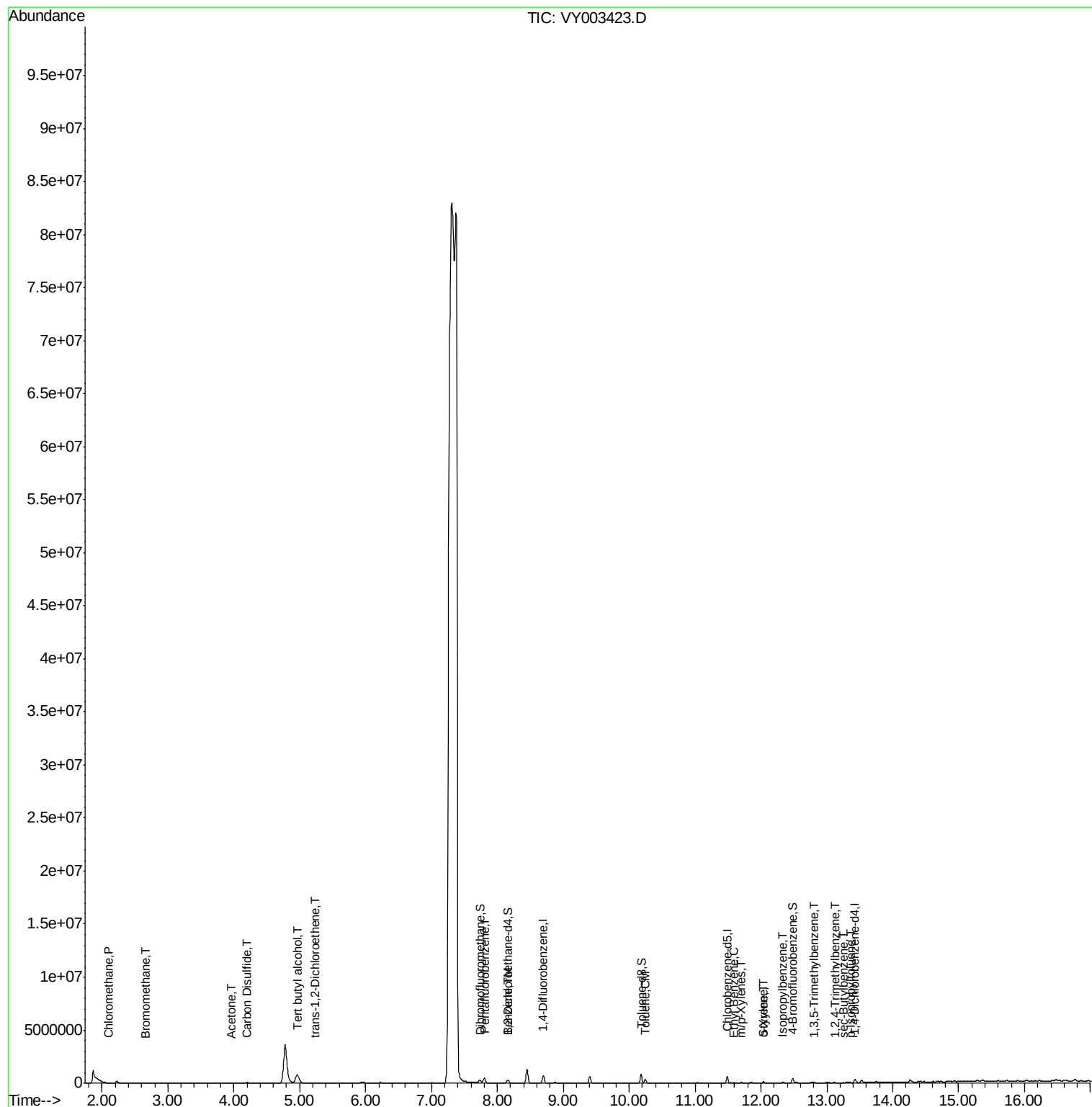
						Qvalue
3) Chloromethane	2.11	50	6390	1.465	ug/l	94
5) Bromomethane	2.66	94	8101	2.505	ug/l	82
11) Tert butyl alcohol	4.96	59	1819859	5190.453	ug/l	100
16) Acetone	3.96	43	28775	31.502	ug/l	95
17) Carbon Disulfide	4.20	76	112708	10.094	ug/l #	94
21) trans-1,2-Dichloroethene	5.23	96	20387	5.265	ug/l	97
40) Benzene	8.17	78	119014	7.640	ug/l	100
52) Toluene	10.24	92	146930	15.039	ug/l	97
67) Ethyl Benzene	11.59	91	23772	1.894	ug/l	100
68) m/p-Xylenes	11.70	106	15135	3.199	ug/l	99
69) o-Xylene	12.03	106	9241	2.086	ug/l	99
70) Styrene	12.04	104	58807	7.759	ug/l	93
73) Isopropylbenzene	12.33	105	44654	9.956	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	5585	1.483	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	14931	3.945	ug/l	97
85) sec-Butylbenzene	13.25	105	6095	1.340	ug/l	87
86) p-Isopropyltoluene	13.37	119	4394	1.033	ug/l	89

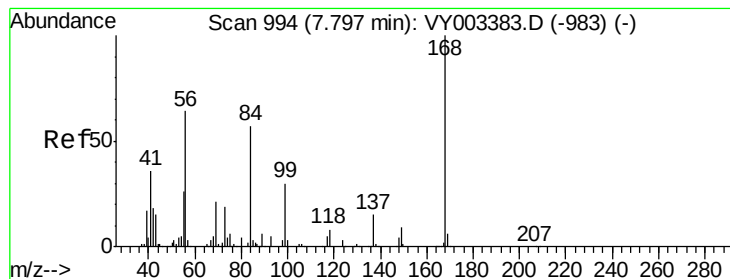
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
Data File : VY003423.D
Acq On : 03 Aug 2020 17:39
Operator : SY/MD
Sample : L3512-01RE
Misc : 4.72G/5ML/MSVOA Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OILY-DEBRIS-1499RE

Quant Time: Aug 04 02:51:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

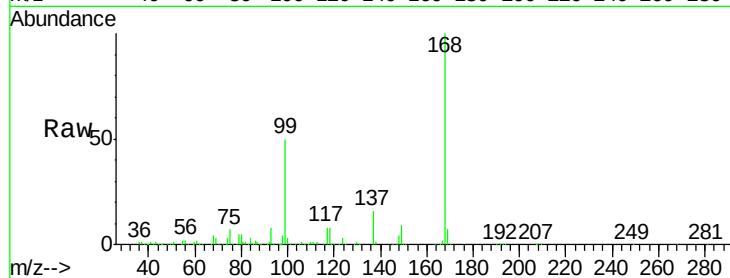
OILY-DEBRIS-1499RE

Tot Ion:168 Resp: 388822

Ion Ratio Lower Upper

168 100

99 50.4 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

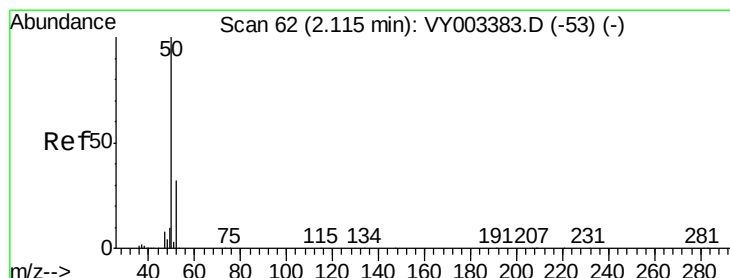
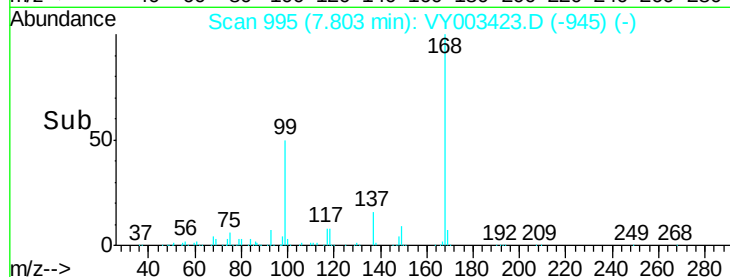
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.465 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003423.D

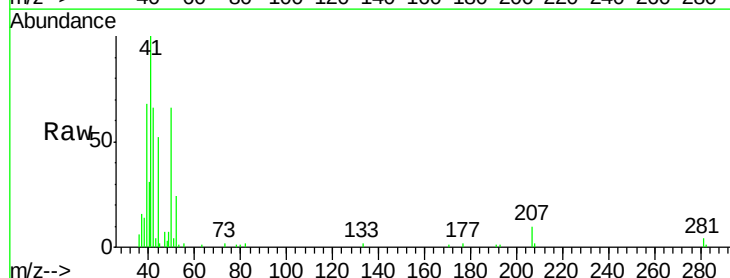
Acq: 03 Aug 2020 17:39

Tgt Ion: 50 Resp: 6390

Ion Ratio Lower Upper

50 100

52 35.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY003383.D (-53) (-)

Ion 51.90 (51.60 to 52.60): VY003383.D (-53) (-)

2.11

6000

5000

4000

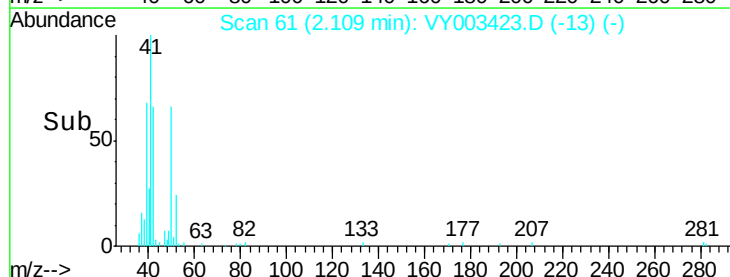
3000

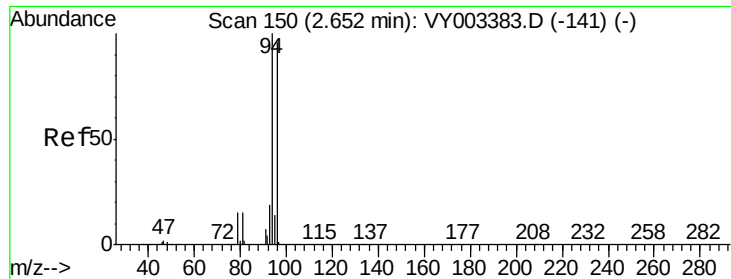
2000

1000

0

Time-->





#5

Bromomethane

Concen: 2.505 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

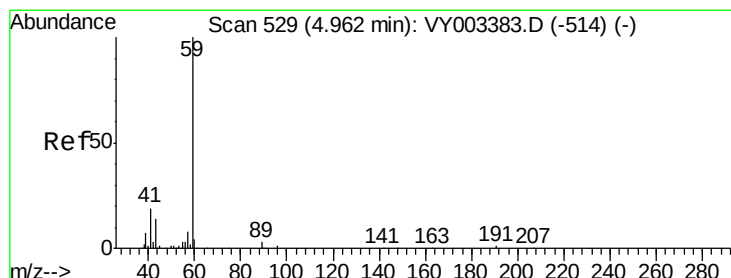
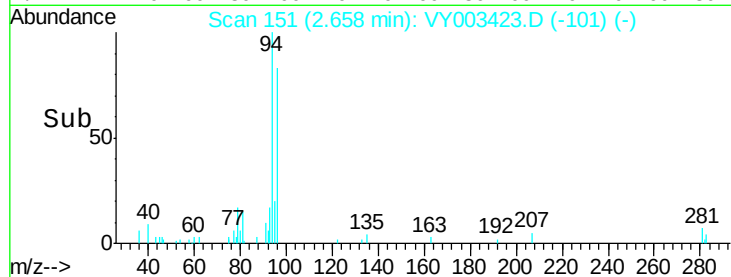
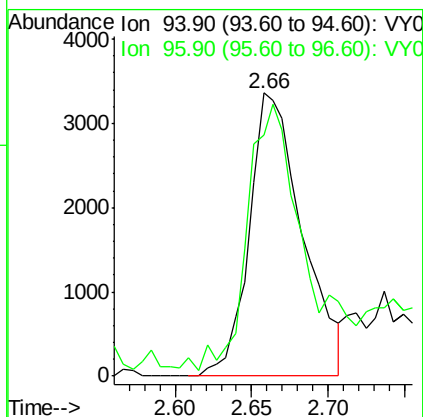
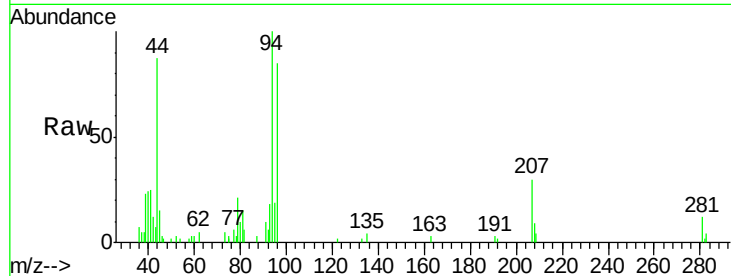
OILY-DEBRIS-1499RE

Tot Ion: 94 Resp: 8101

Ion Ratio Lower Upper

94 100

96 78.6 76.6 115.0



#11

Tert butyl alcohol

Concen: 5190.453 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003423.D

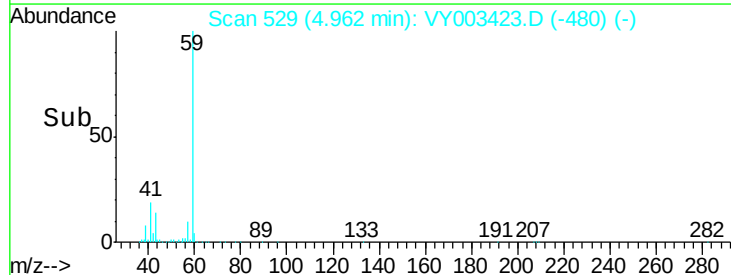
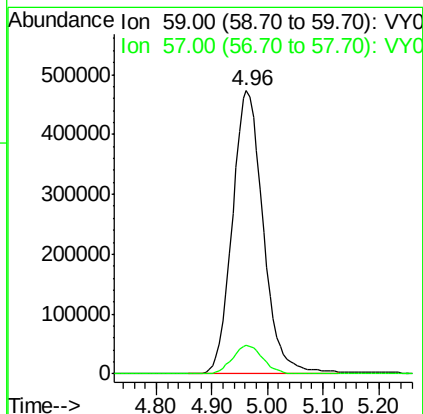
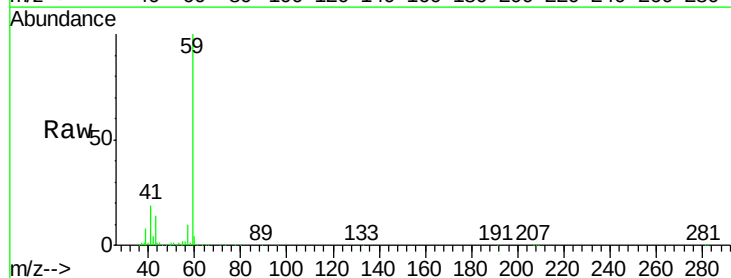
Acq: 03 Aug 2020 17:39

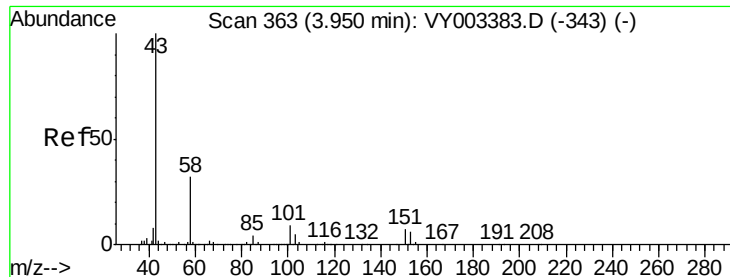
Tgt Ion: 59 Resp: 1819859

Ion Ratio Lower Upper

59 100

57 10.0 8.0 12.0





#16

Acetone

Concen: 31.502 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

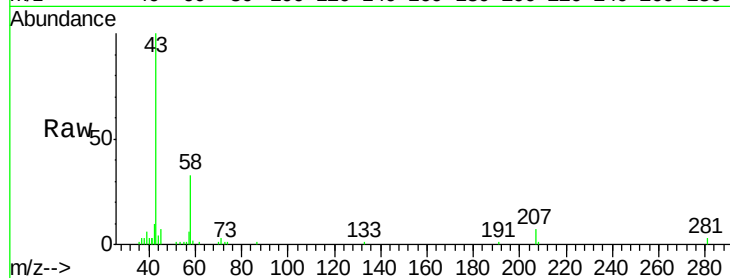
OILY-DEBRIS-1499RE

Tot Ion: 43 Resp: 28775

Ion Ratio Lower Upper

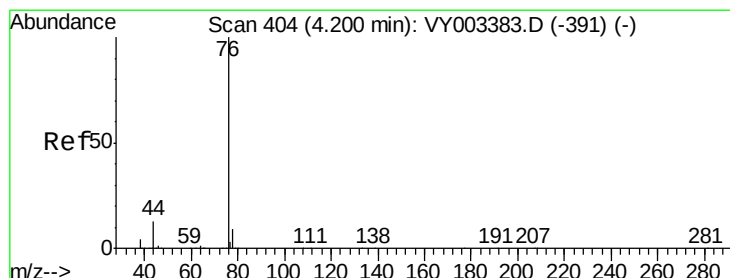
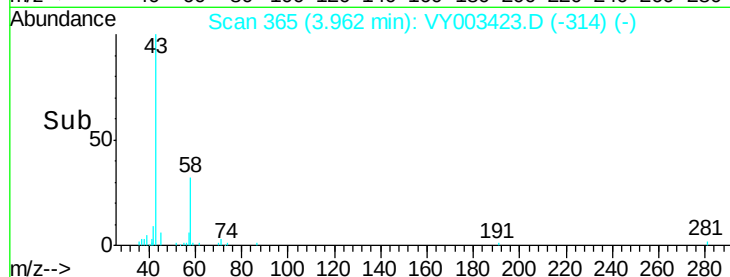
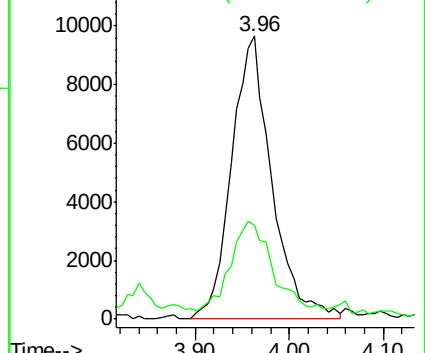
43 100

58 29.1 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 10.094 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003423.D

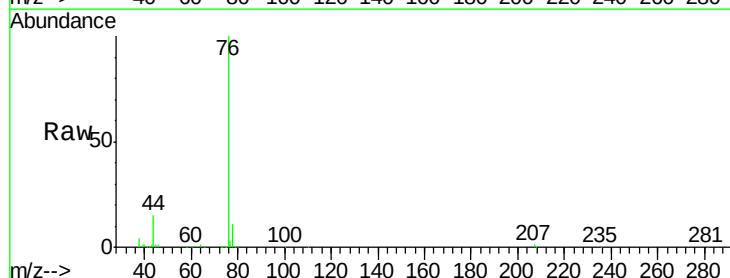
Acq: 03 Aug 2020 17:39

Tgt Ion: 76 Resp: 112708

Ion Ratio Lower Upper

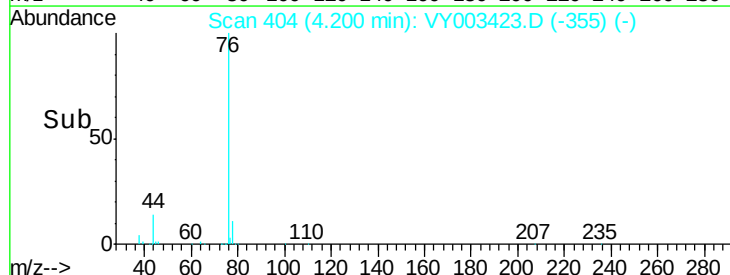
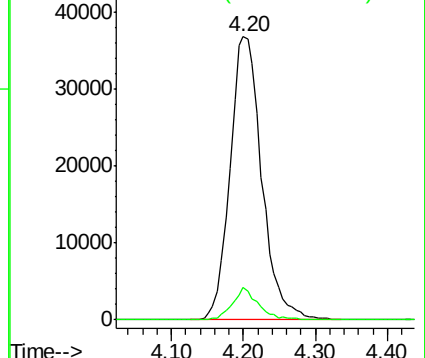
76 100

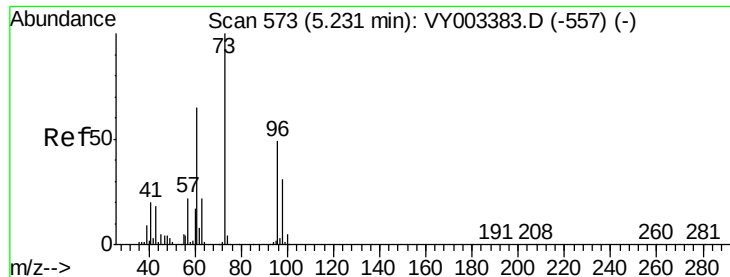
78 11.4 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 5.265 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

OILY-DEBRIS-1499RE

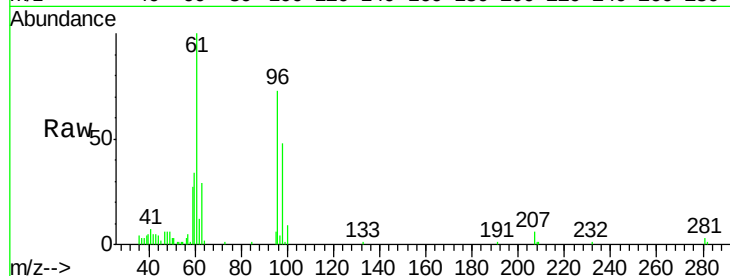
Tot Ion: 96 Resp: 20387

Ion Ratio Lower Upper

96 100

61 137.1 106.3 159.5

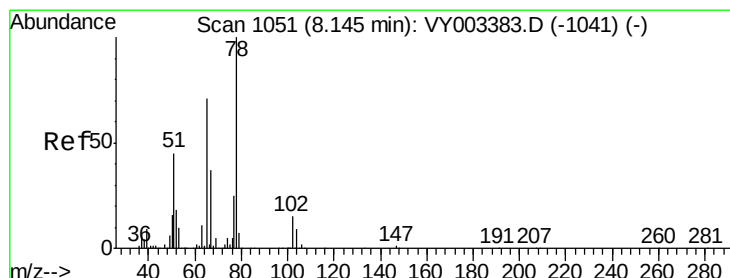
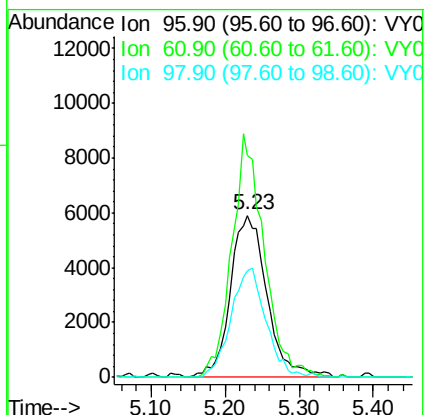
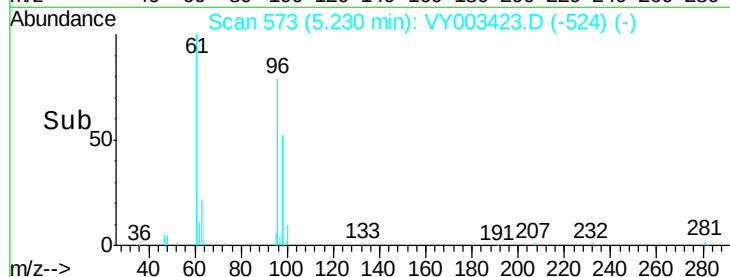
98 65.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 44.756 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003423.D

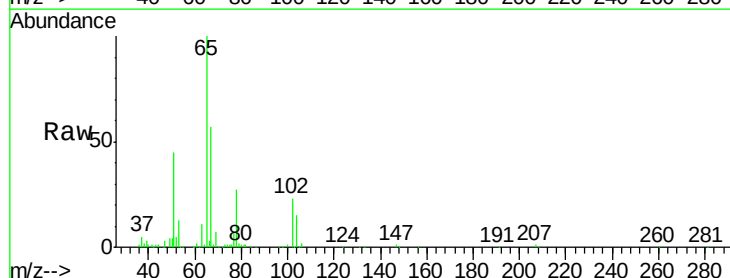
Acq: 03 Aug 2020 17:39

Tgt Ion: 65 Resp: 165461

Ion Ratio Lower Upper

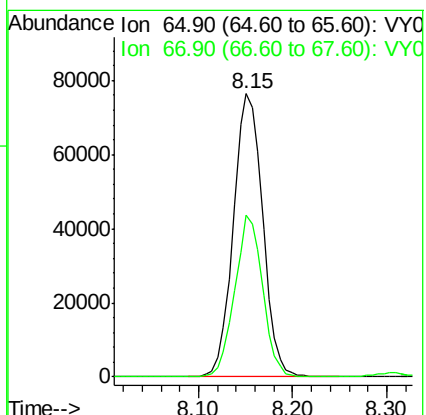
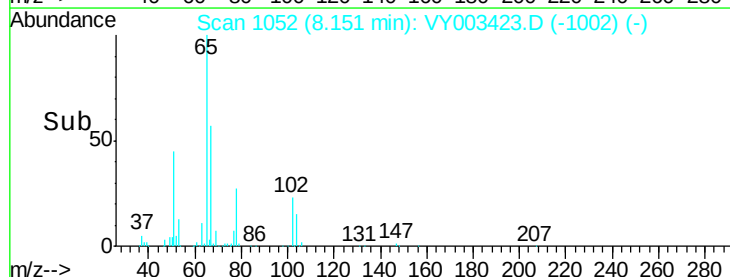
65 100

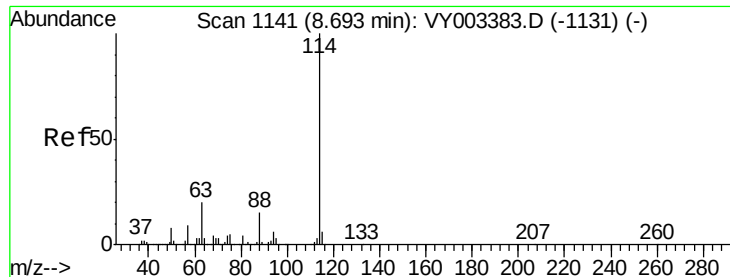
67 54.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

OILY-DEBRIS-1499RE

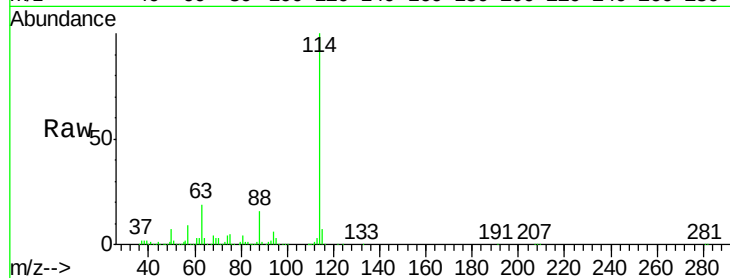
Tot Ion:114 Resp: 593292

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.6

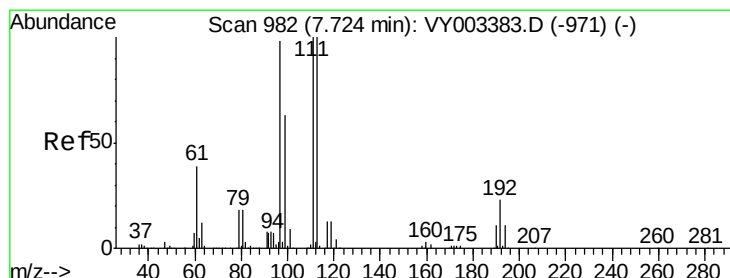
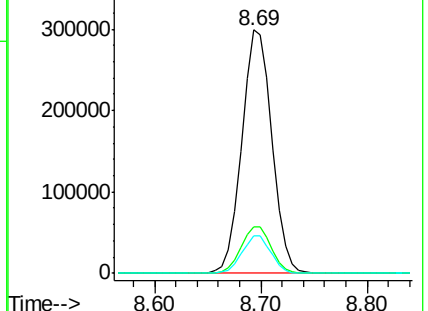
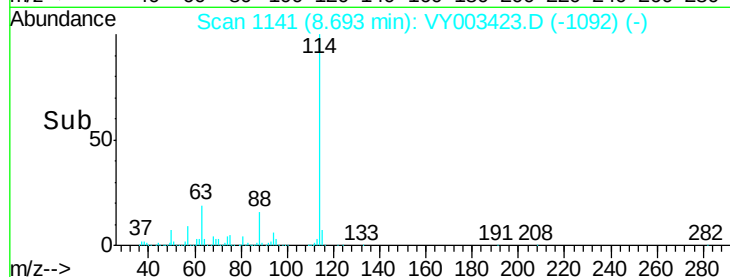
88 15.5 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.892 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

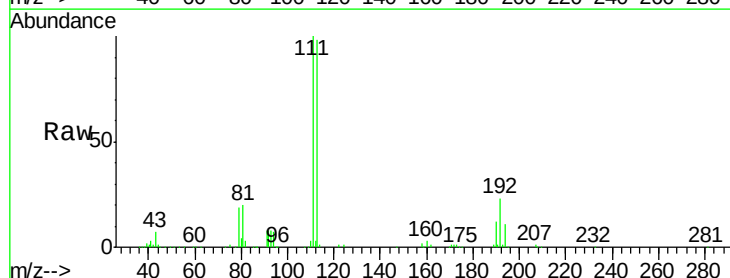
Tgt Ion:113 Resp: 188345

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

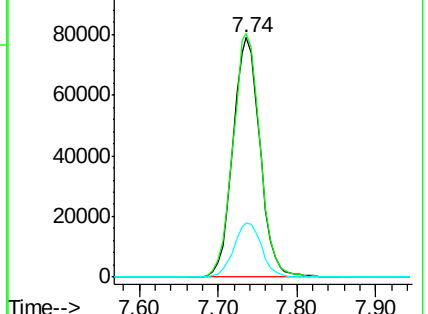
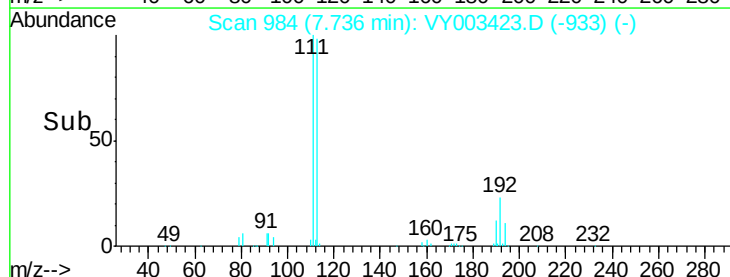
192 23.2 18.8 28.2

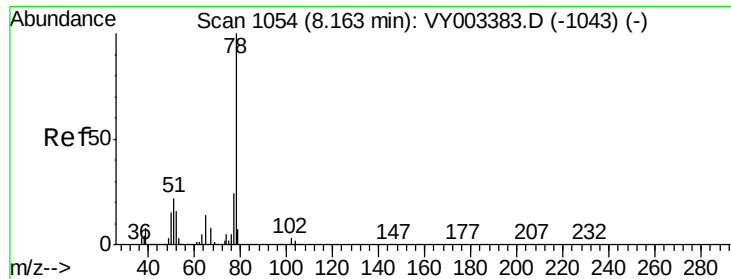


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 7.640 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

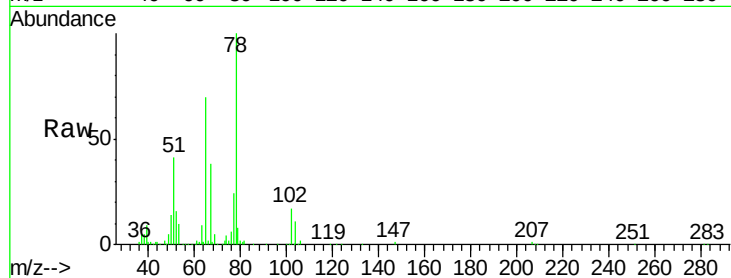
OILY-DEBRIS-1499RE

Tot Ion: 78 Resp: 119014

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

60000

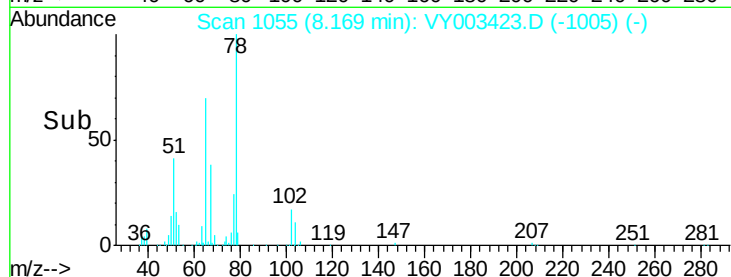
40000

20000

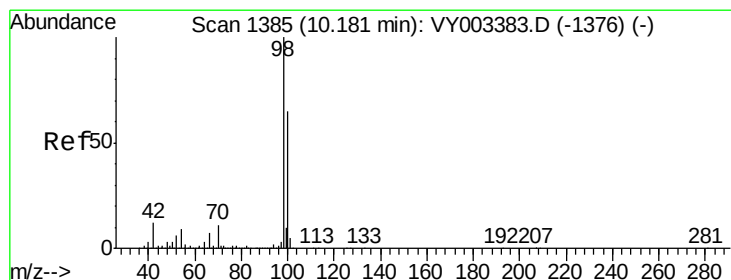
0

8.17

8.05 8.10 8.15 8.20 8.25



Time-->



#50

Toluene-d8

Concen: 43.562 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003423.D

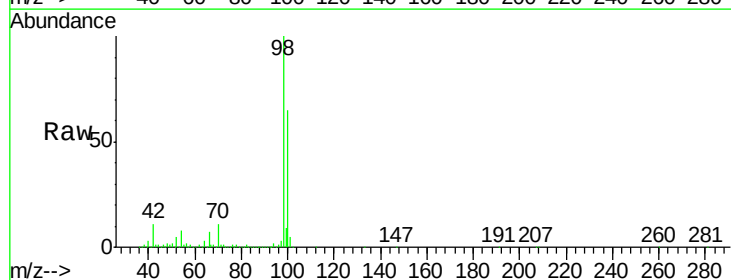
Acq: 03 Aug 2020 17:39

Tgt Ion: 98 Resp: 596159

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

400000

300000

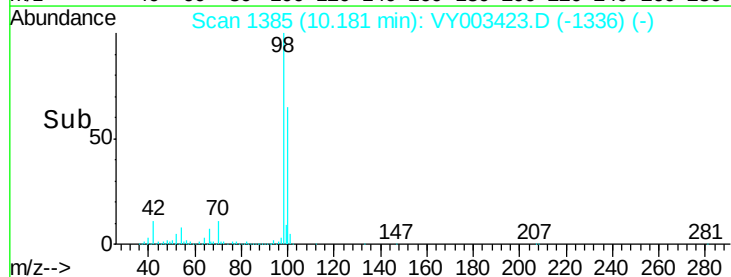
200000

100000

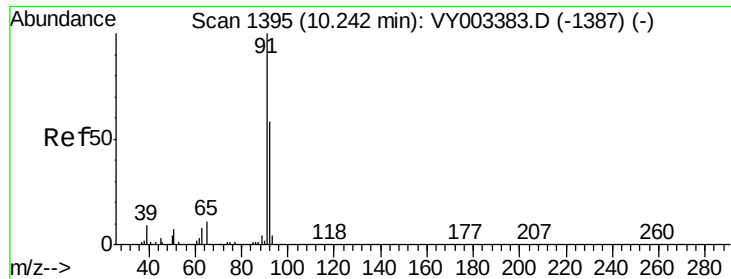
0

10.18

10.10 10.20 10.30



Time-->



#52

Toluene

Concen: 15.039 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

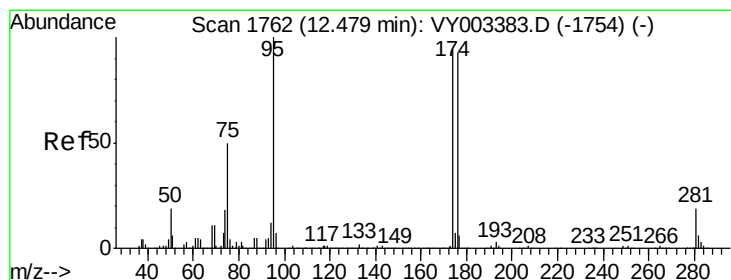
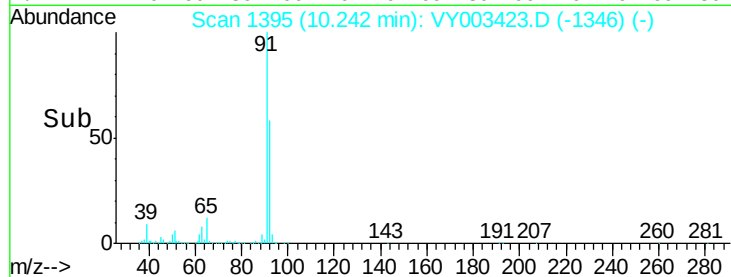
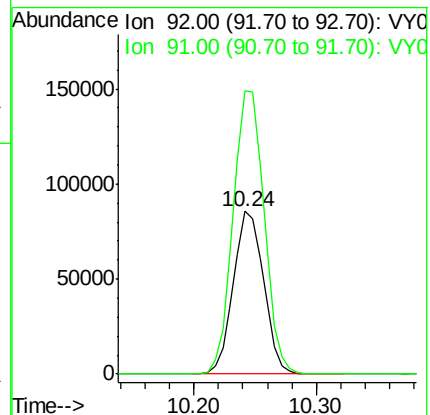
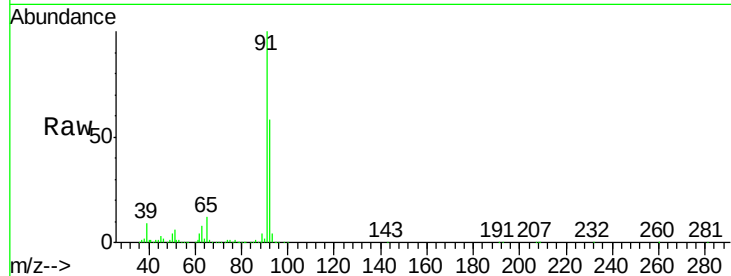
OILY-DEBRIS-1499RE

Tot Ion: 92 Resp: 146930

Ion Ratio Lower Upper

92 100

91 178.3 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 22.823 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

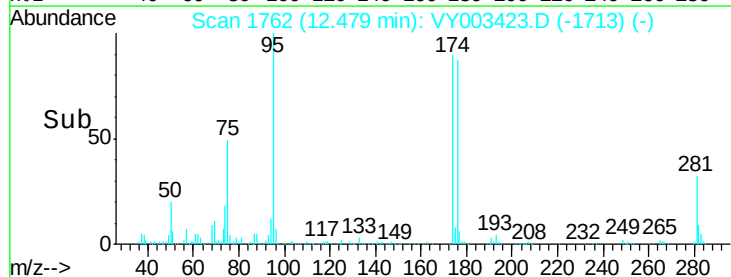
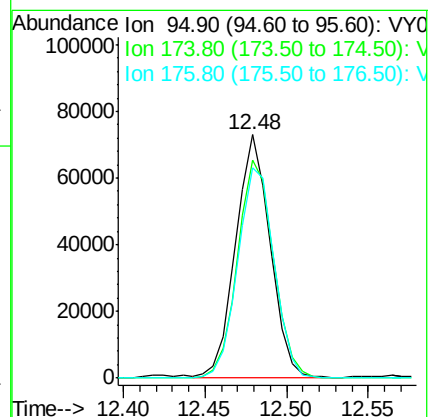
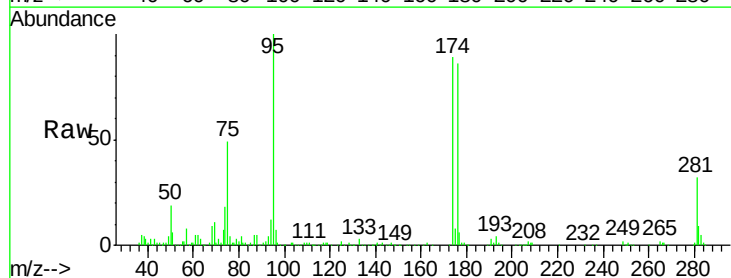
Tgt Ion: 95 Resp: 106720

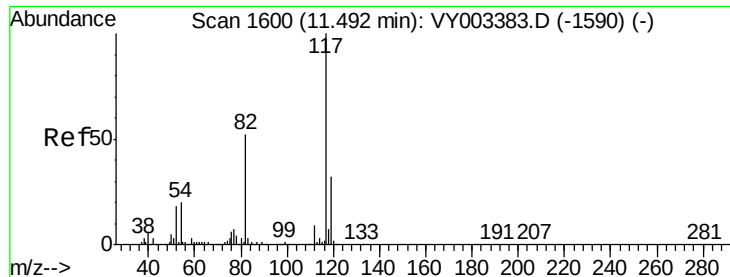
Ion Ratio Lower Upper

95 100

174 94.5 0.0 190.0

176 91.7 0.0 184.4

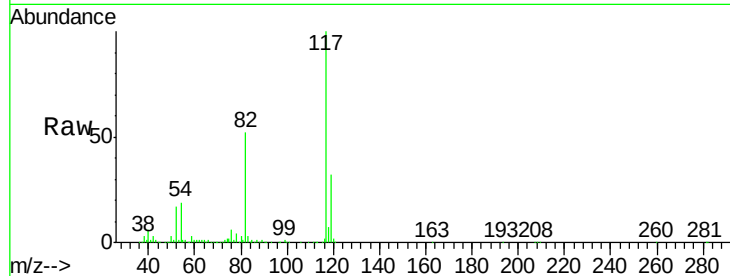




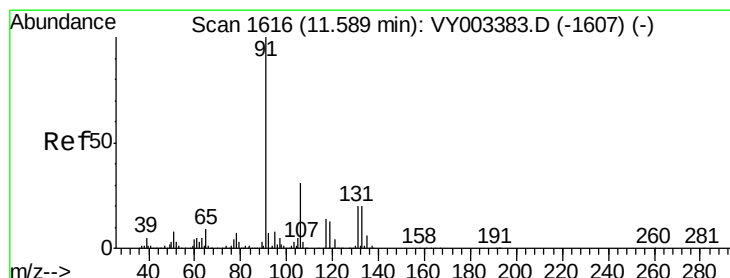
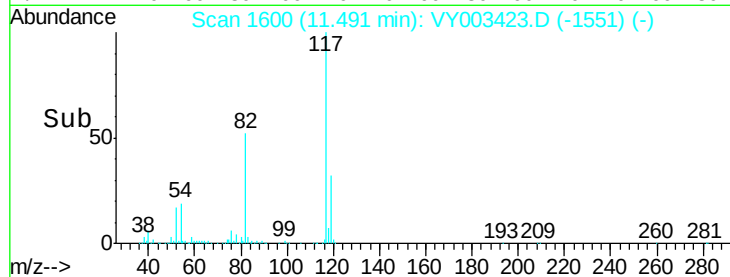
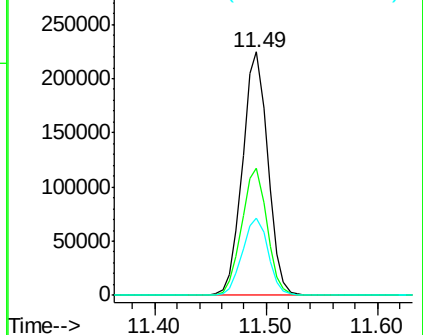
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003423.D
Acq: 03 Aug 2020 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OILY-DEBRIS-1499RE

Tot Ion:117 Resp: 354721
Ion Ratio Lower Upper
117 100
82 52.3 41.9 62.9
119 32.0 25.4 38.0

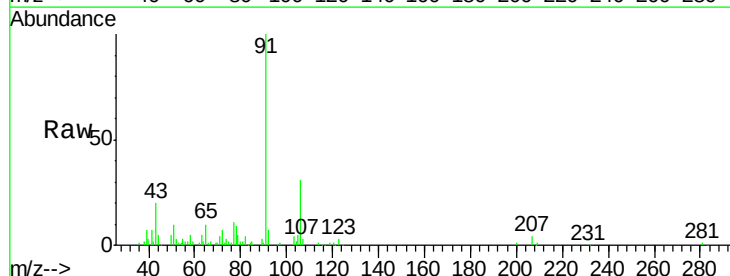


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

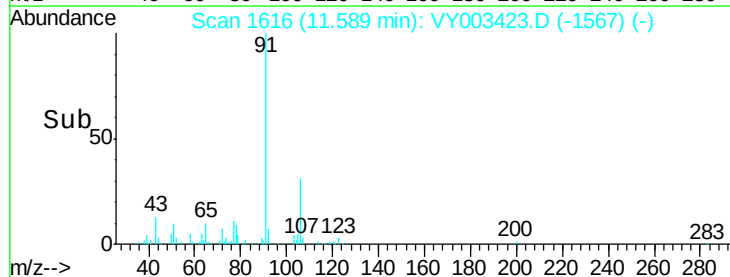
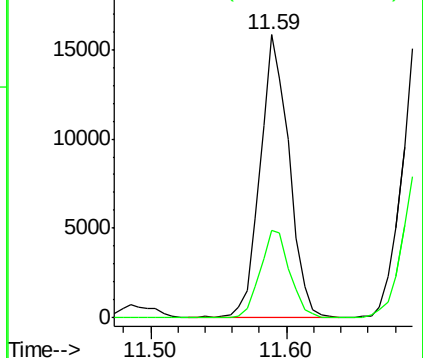


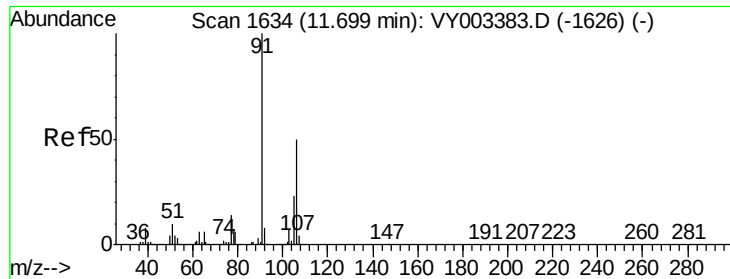
#67
Ethyl Benzene
Concen: 1.894 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003423.D
Acq: 03 Aug 2020 17:39

Tgt Ion: 91 Resp: 23772
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.199 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

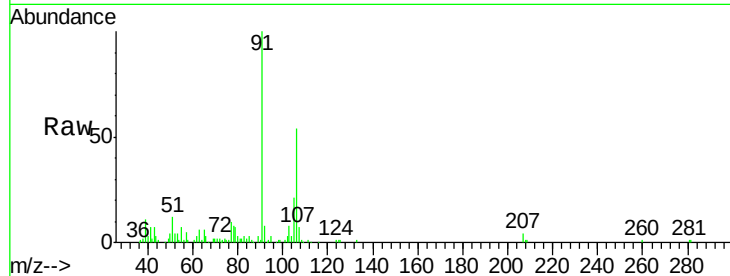
OILY-DEBRIS-1499RE

Tot Ion:106 Resp: 15135

Ion Ratio Lower Upper

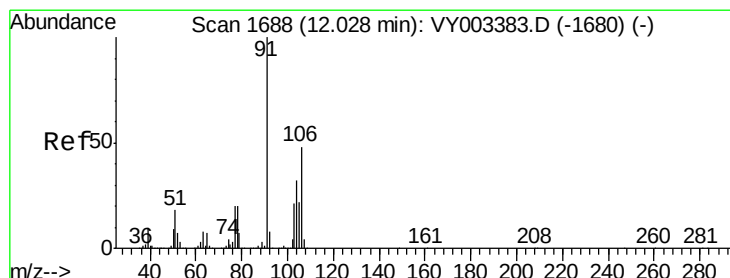
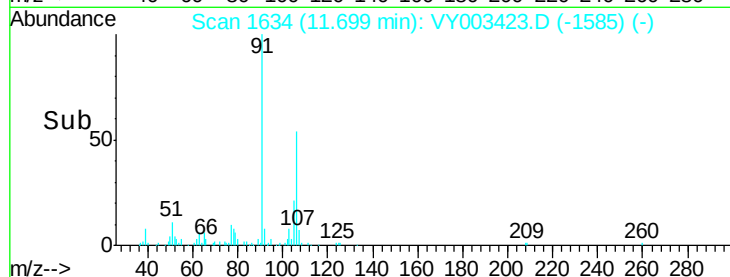
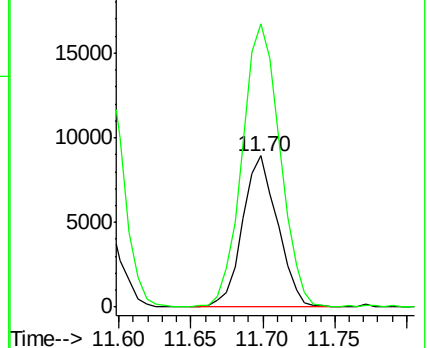
106 100

91 200.5 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 2.086 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003423.D

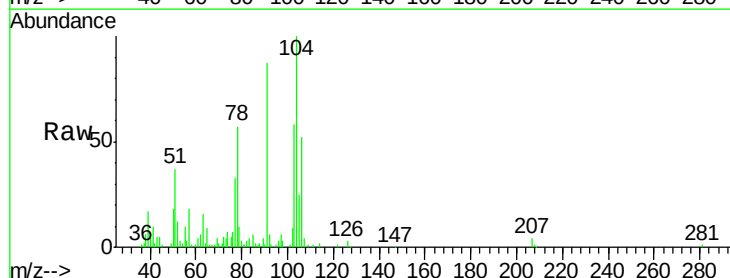
Acq: 03 Aug 2020 17:39

Tgt Ion:106 Resp: 9241

Ion Ratio Lower Upper

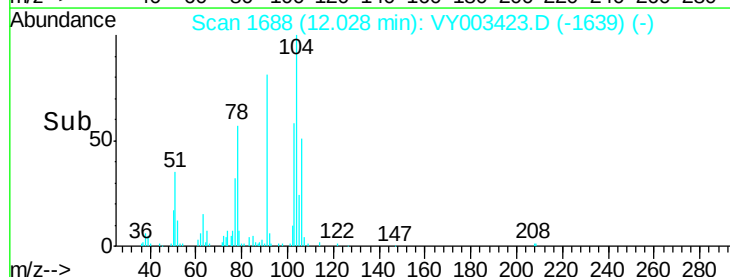
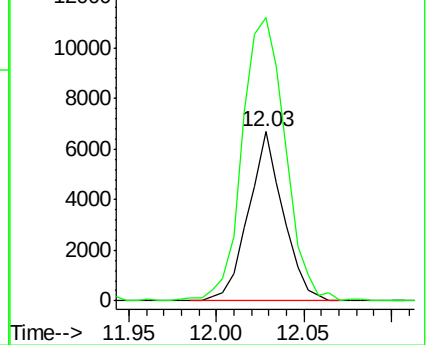
106 100

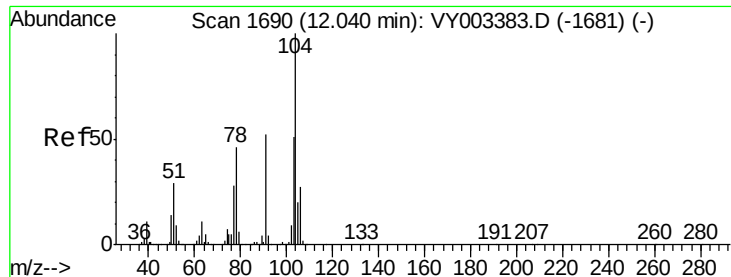
91 207.6 104.6 313.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#70

Stvrene

Concen: 7.759 ug/l

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

OILY-DEBRIS-1499RE

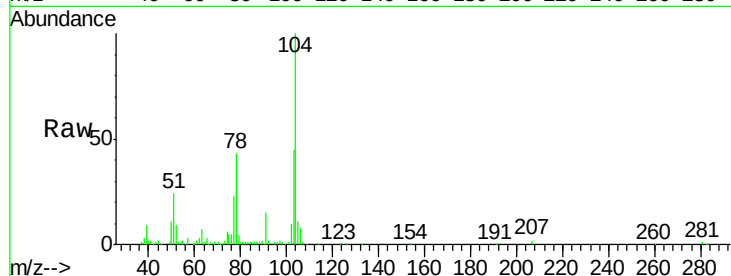
Tot Ion:104 Resp: 58807

Ion Ratio Lower Upper

104 100

78 43.7 39.3 58.9

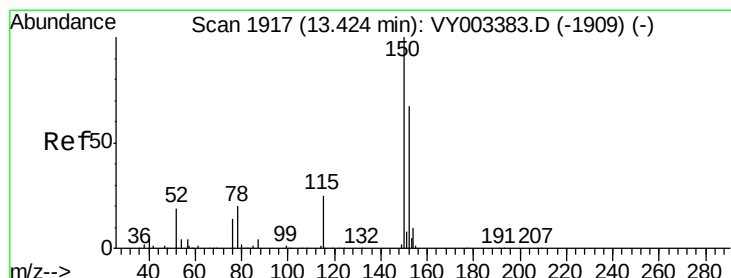
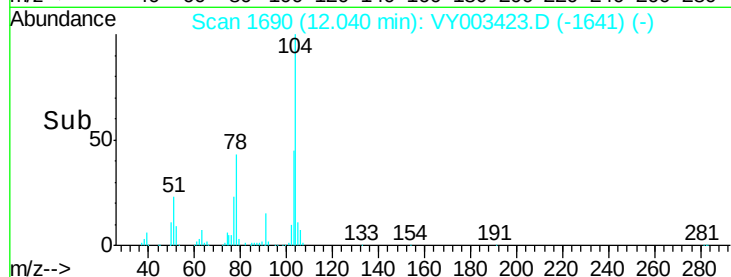
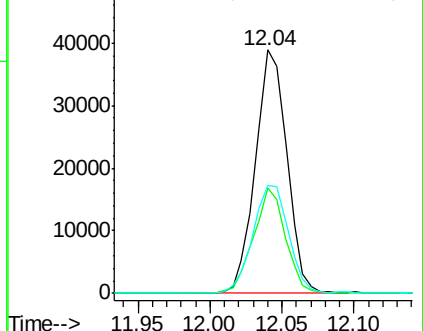
103 50.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

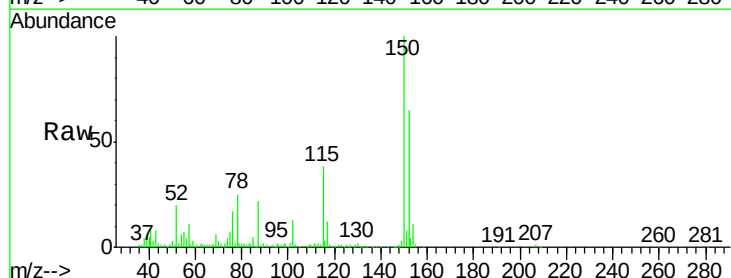
Tgt Ion:152 Resp: 69394

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.5

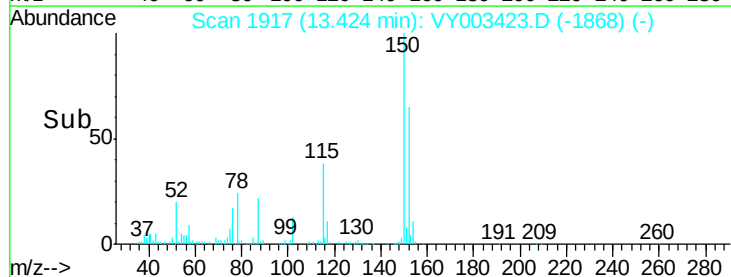
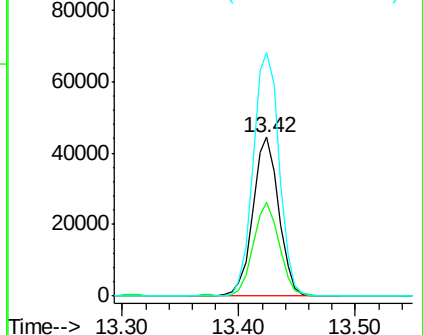
150 153.1 0.0 346.8

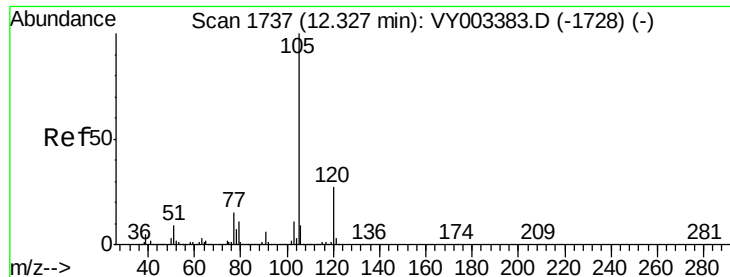


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.956 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

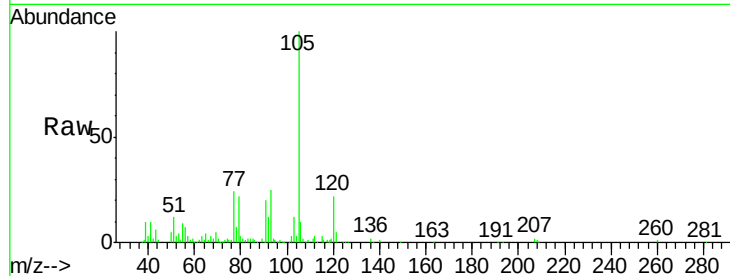
OILY-DEBRIS-1499RE

Tot Ion:105 Resp: 44654

Ion Ratio Lower Upper

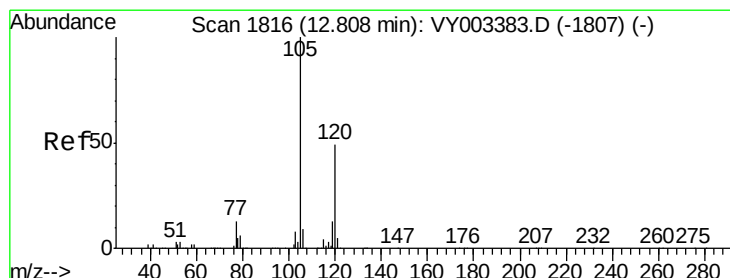
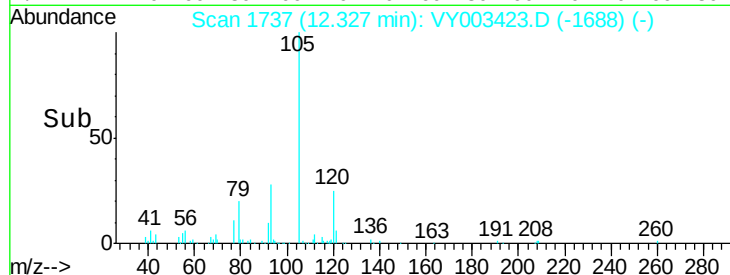
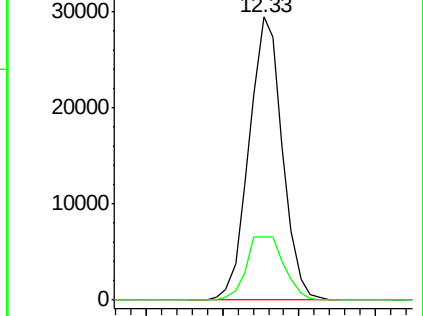
105 100

120 25.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.483 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003423.D

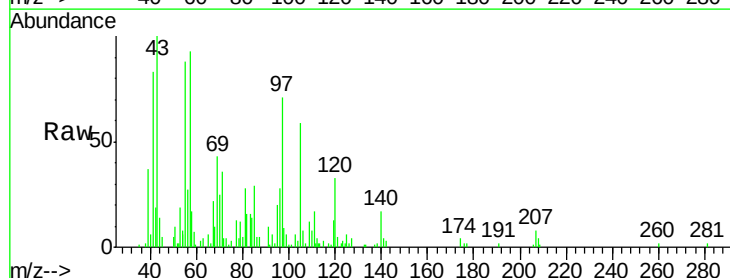
Acq: 03 Aug 2020 17:39

Tgt Ion:105 Resp: 5585

Ion Ratio Lower Upper

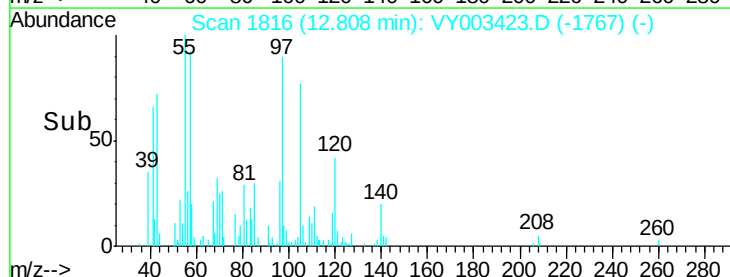
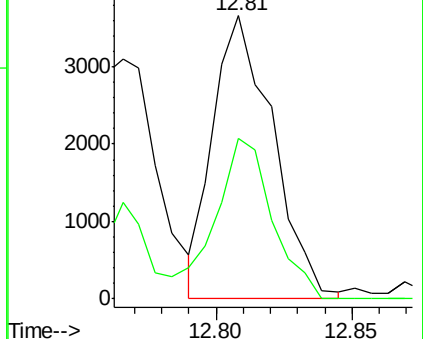
105 100

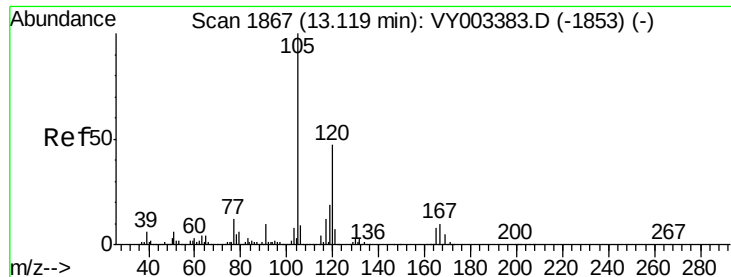
120 53.7 24.9 74.6



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: 3.945 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

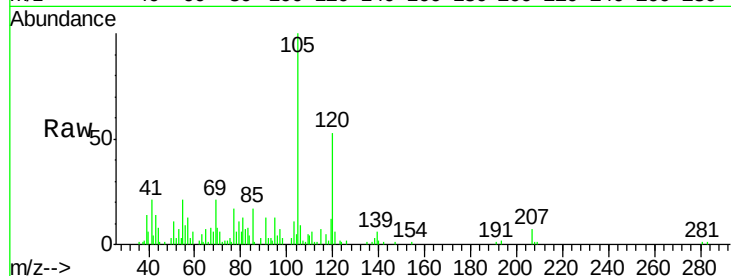
OILY-DEBRIS-1499RE

Tot Ion:105 Resp: 14931

Ion Ratio Lower Upper

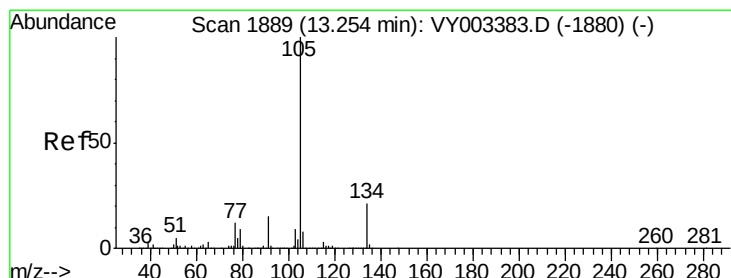
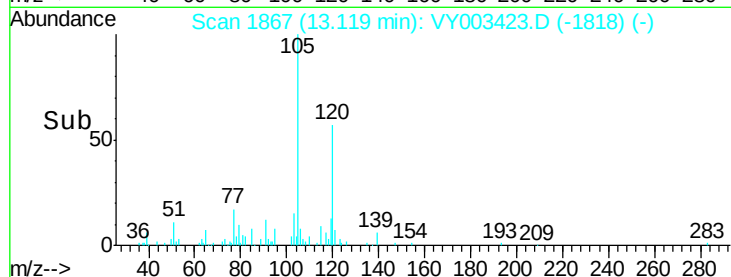
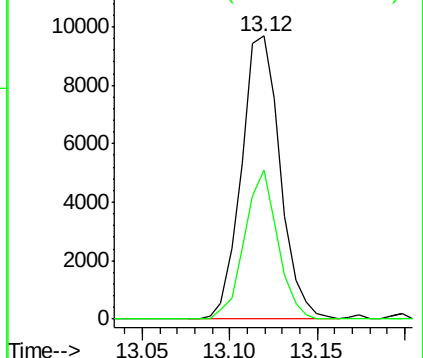
105 100

120 45.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.340 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY003423.D

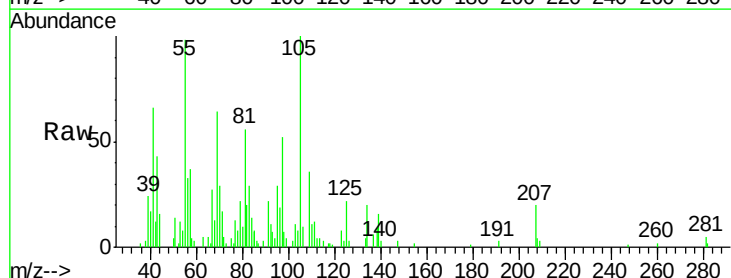
Acq: 03 Aug 2020 17:39

Tgt Ion:105 Resp: 6095

Ion Ratio Lower Upper

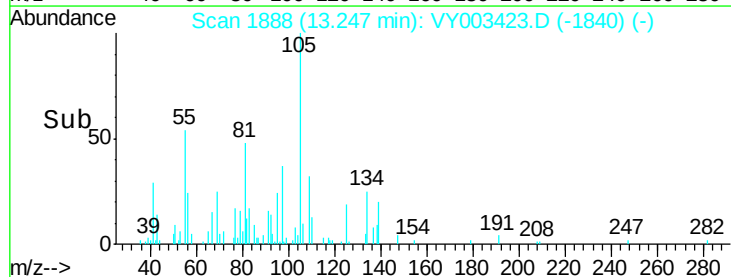
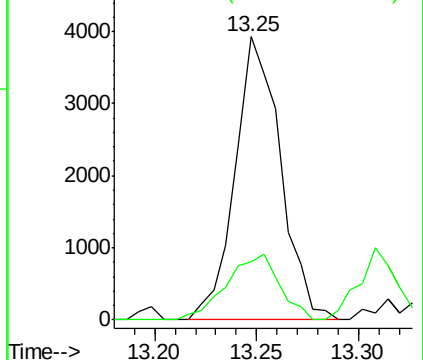
105 100

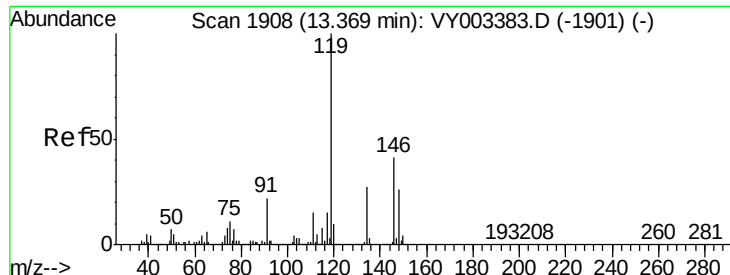
134 26.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 1.033 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003423.D

Acq: 03 Aug 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

OILY-DEBRIS-1499RE

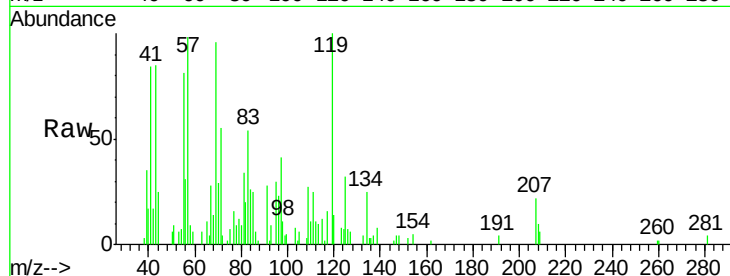
Tot Ion:119 Resp: 4394

Ion Ratio Lower Upper

119 100

134 33.0 13.5 40.4

91 18.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

