

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003414.D
 Acq On : 03 Aug 2020 14:03
 Operator : SY/MD
 Sample : L3512-01
 Misc : 7.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OILY-DEBRIS-1499

Quant Time: Aug 04 02:16:55 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	391440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	592787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	81996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	172707	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	7.74	113	191321	54.79	ug/l	0.01
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	10.18	98	586608	42.90	ug/l	0.00
Spiked Amount			Recovery	=	85.80%	
62) 4-Bromofluorobenzene	12.48	95	113405	24.27	ug/l	0.00
Spiked Amount			Recovery	=	48.54%	

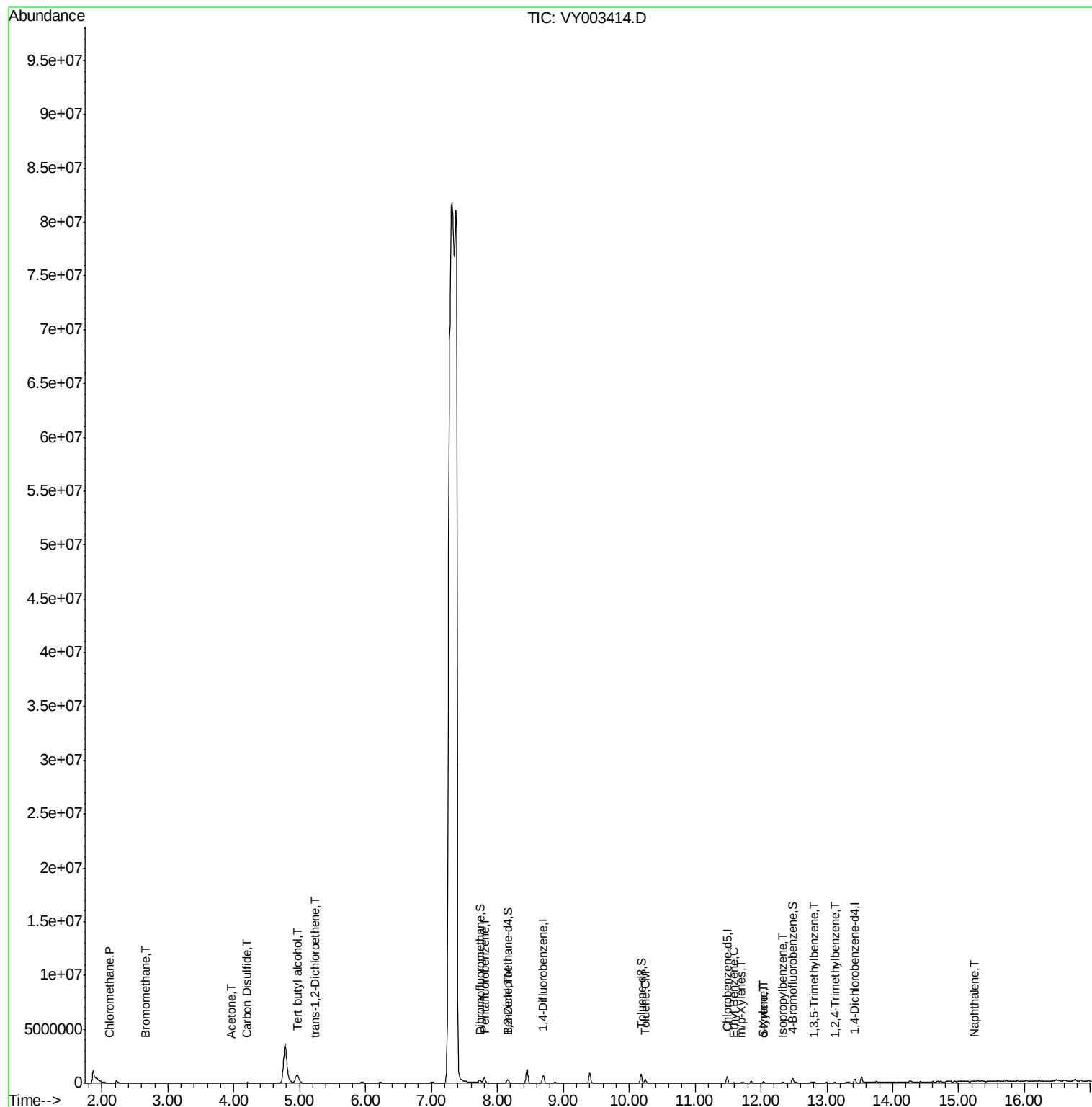
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	11293	2.572	ug/l	98
5) Bromomethane	2.66	94	16845	5.174	ug/l	96
11) Tert butyl alcohol	4.96	59	1676801	4749.725	ug/l	100
16) Acetone	3.96	43	27256	29.639	ug/l	94
17) Carbon Disulfide	4.20	76	105623	9.397	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	19570	5.021	ug/l	95
40) Benzene	8.17	78	115749	7.437	ug/l	100
52) Toluene	10.24	92	136655	13.999	ug/l	100
67) Ethyl Benzene	11.59	91	21253	1.675	ug/l	99
68) m/p-Xylenes	11.70	106	16412	3.430	ug/l	96
69) o-Xylene	12.02	106	8466	1.890	ug/l	94
70) Styrene	12.04	104	60797	7.933	ug/l	90
73) Isopropylbenzene	12.33	105	30247	5.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	5309	1.193	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	16821	3.761	ug/l	96
95) Naphthalene	15.23	128	7598	2.788	ug/l #	74

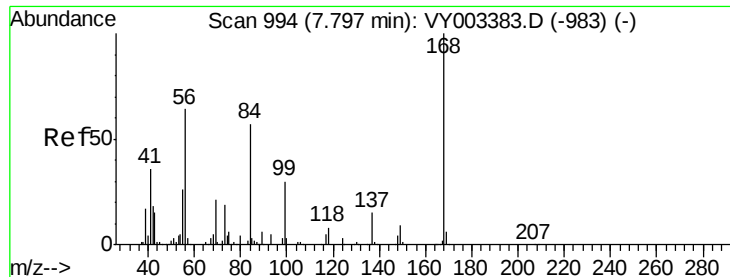
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

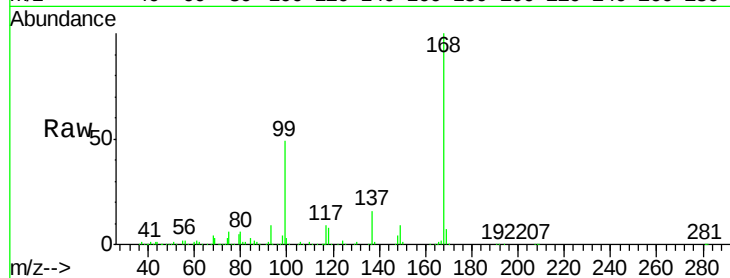
OILY-DEBRIS-1499

Tot Ion:168 Resp: 391440

Ion Ratio Lower Upper

168 100

99 48.9 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

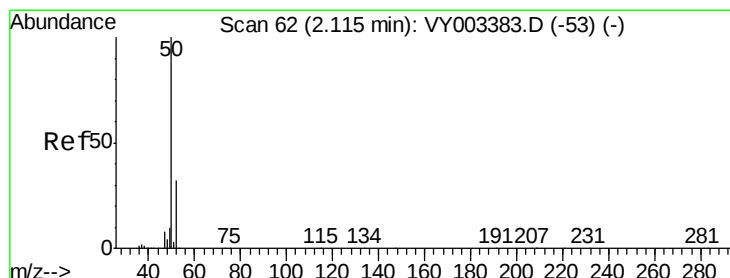
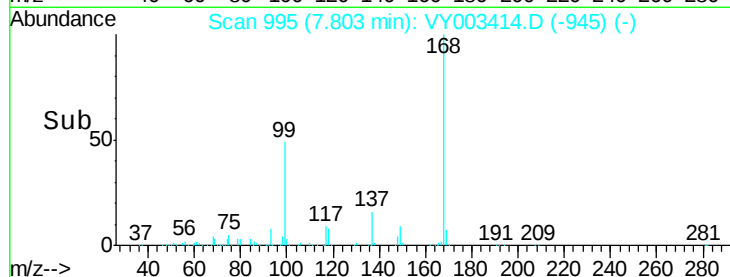
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.572 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003414.D

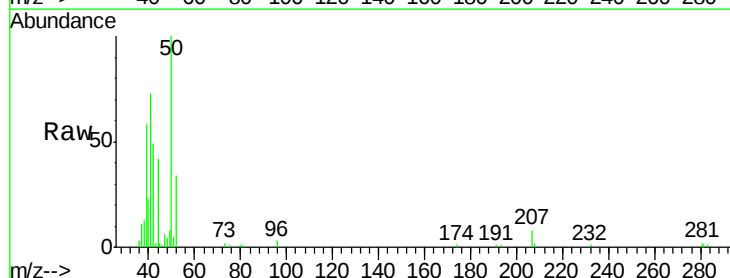
Acq: 03 Aug 2020 14:03

Tgt Ion: 50 Resp: 11293

Ion Ratio Lower Upper

50 100

52 33.7 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

10000

8000

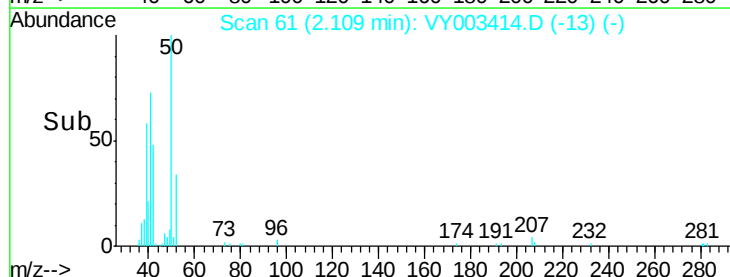
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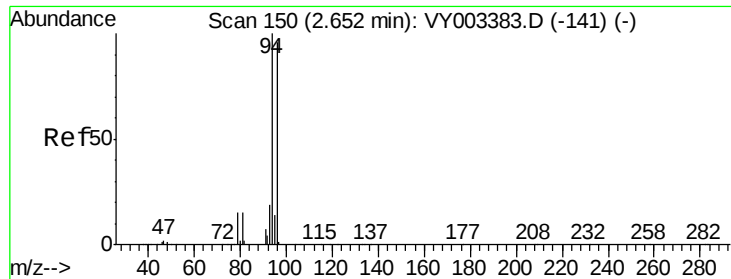
4000

2000

0

Time-->





#5

Bromomethane

Concen: 5.174 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

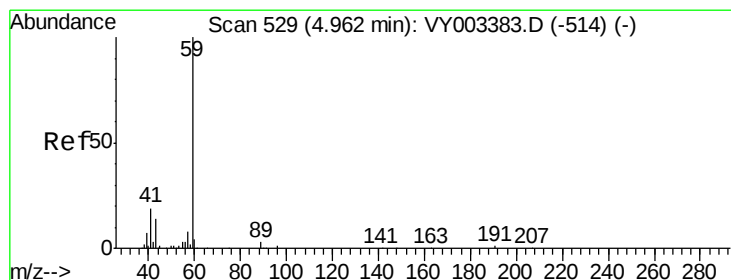
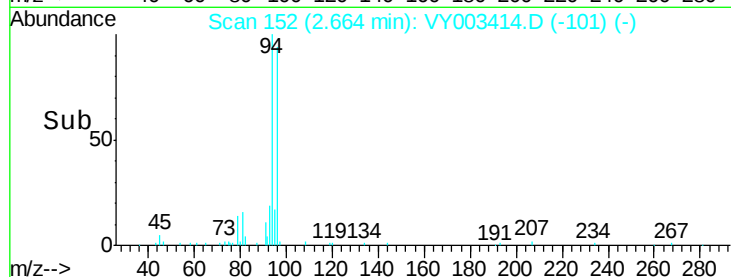
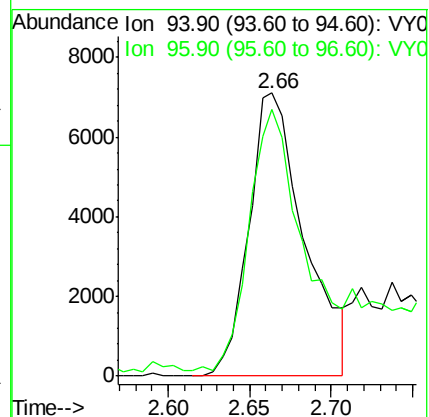
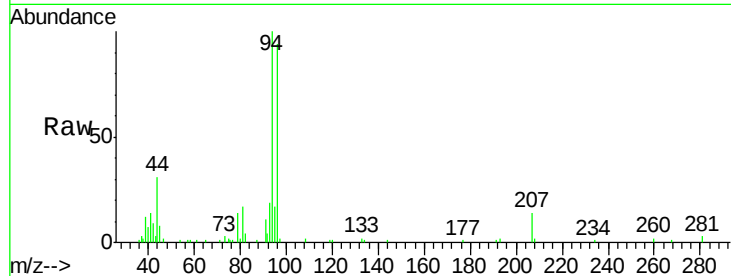
OILY-DEBRIS-1499

Tot Ion: 94 Resp: 16845

Ion Ratio Lower Upper

94 100

96 92.2 76.6 115.0



#11

Tert butyl alcohol

Concen: 4749.725 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003414.D

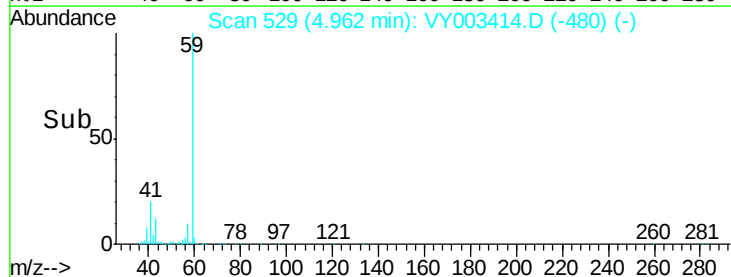
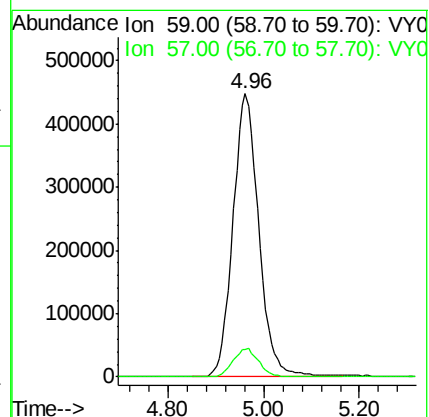
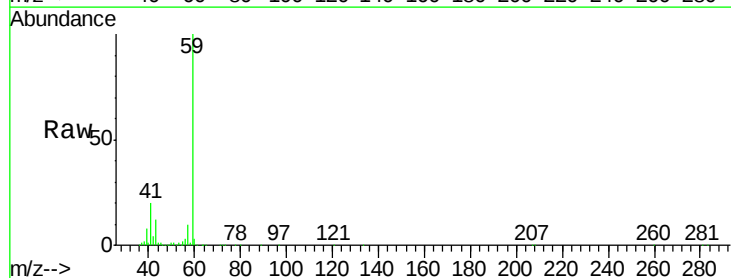
Acq: 03 Aug 2020 14:03

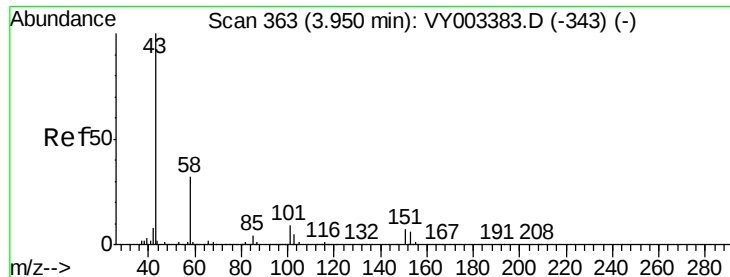
Tgt Ion: 59 Resp: 1676801

Ion Ratio Lower Upper

59 100

57 10.0 8.0 12.0





#16

Acetone

Concen: 29.639 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

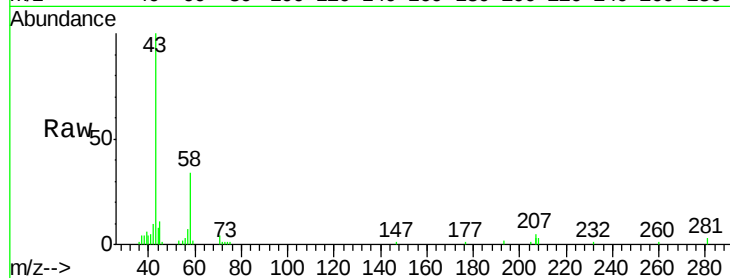
OILY-DEBRIS-1499

Tot Ion: 43 Resp: 27256

Ion Ratio Lower Upper

43 100

58 28.3 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

10000

8000

6000

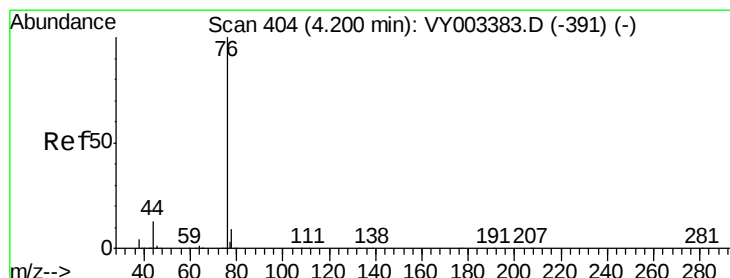
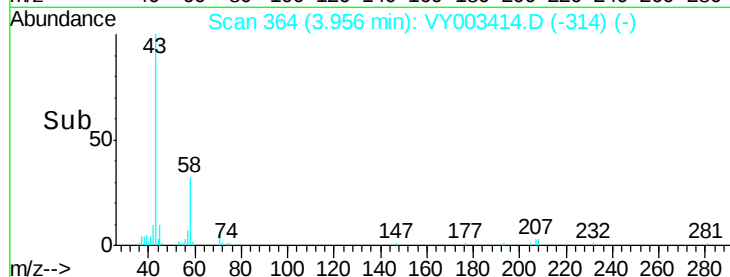
4000

2000

0

3.80 3.90 4.00 4.10

Time-->



#17

Carbon Disulfide

Concen: 9.397 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003414.D

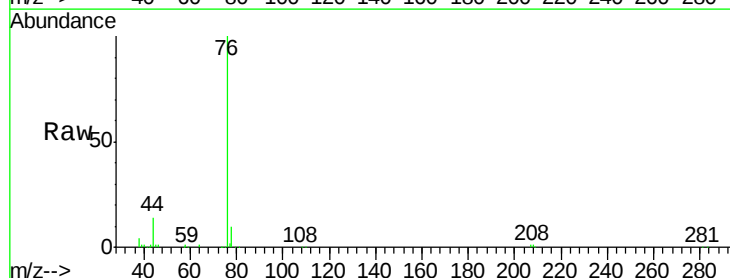
Acq: 03 Aug 2020 14:03

Tgt Ion: 76 Resp: 105623

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

40000

30000

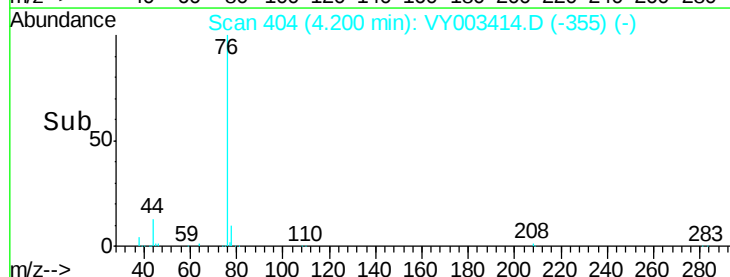
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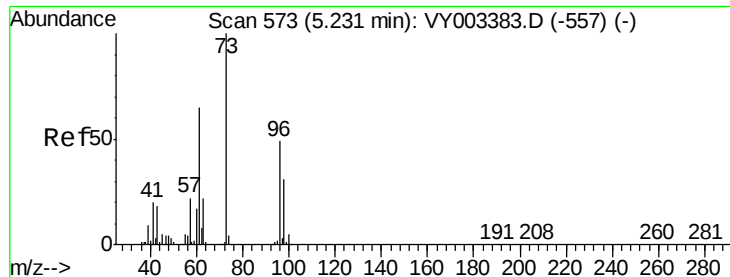
10000

0

4.10 4.20 4.30

Time-->





#21

trans-1,2-Dichloroethene

Concen: 5.021 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

OILY-DEBRIS-1499

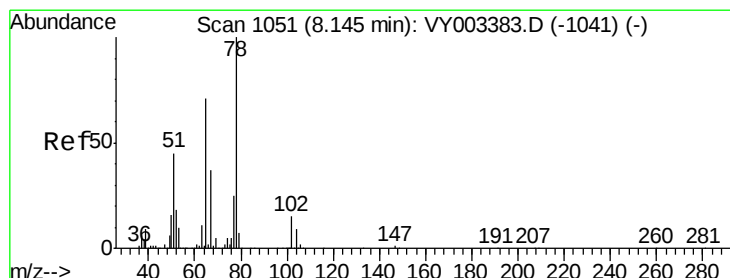
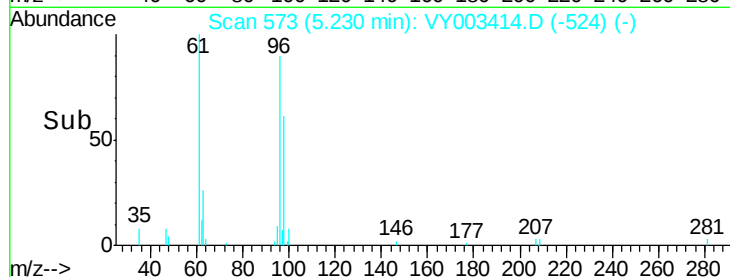
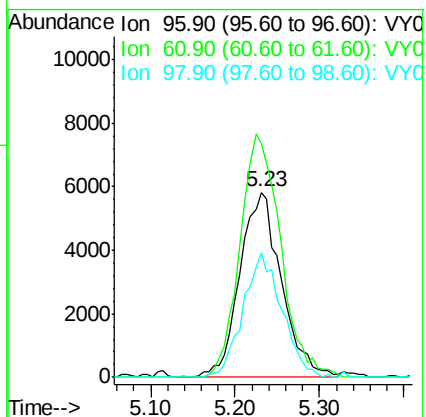
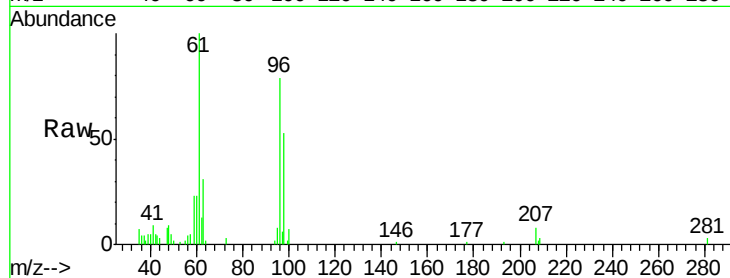
Tot Ion: 96 Resp: 19570

Ion Ratio Lower Upper

96 100

61 126.5 106.3 159.5

98 67.4 50.8 76.2



#33

1,2-Dichloroethane-d4

Concen: 46.403 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003414.D

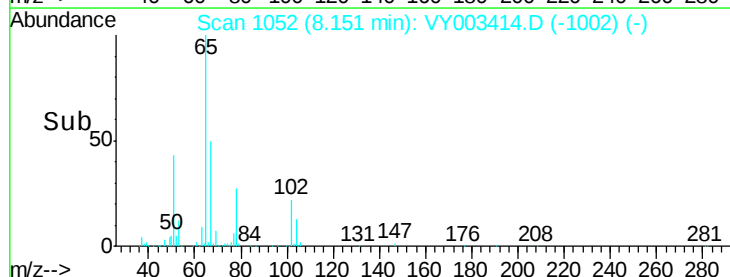
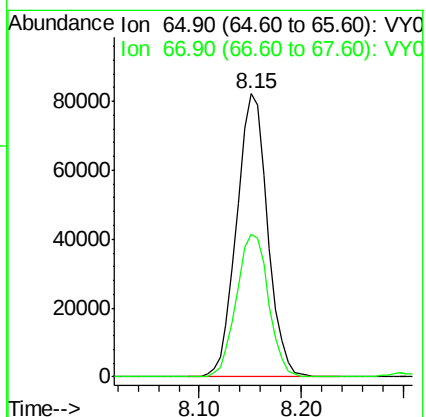
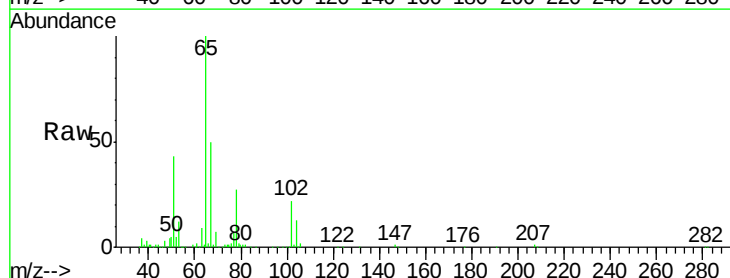
Acq: 03 Aug 2020 14:03

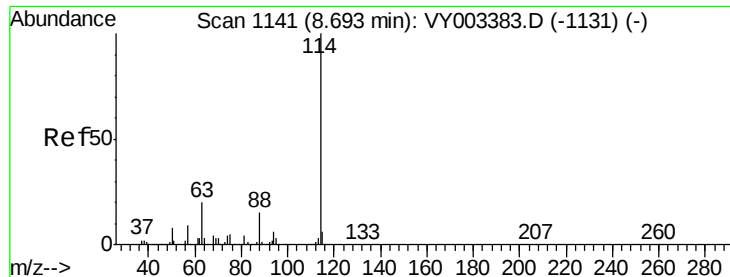
Tgt Ion: 65 Resp: 172707

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6

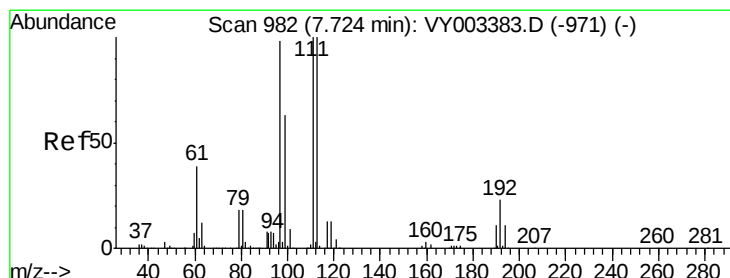
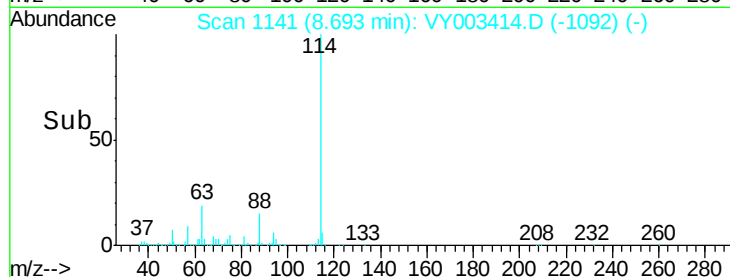
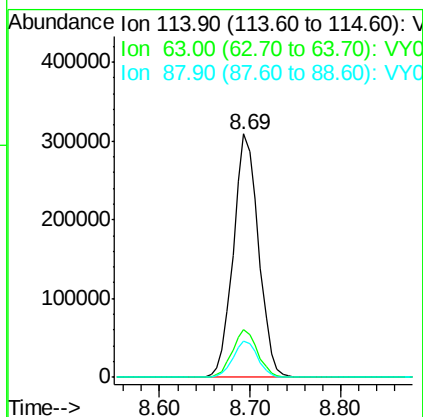
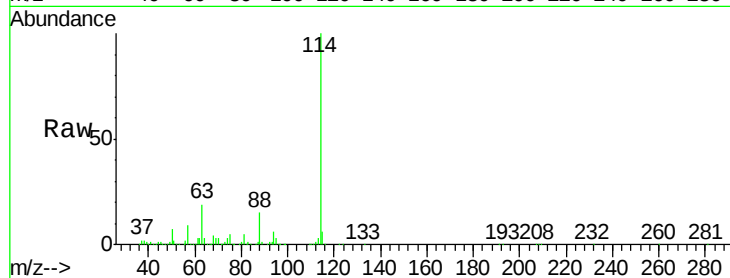




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003414.D
 Acq: 03 Aug 2020 14:03

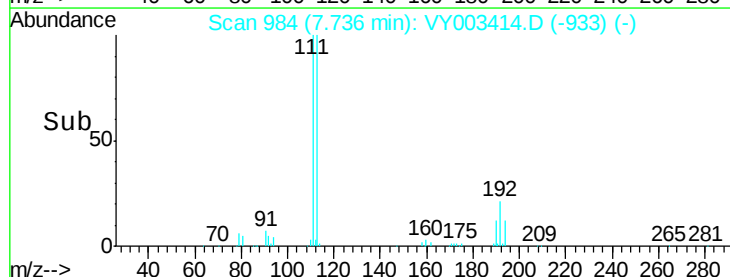
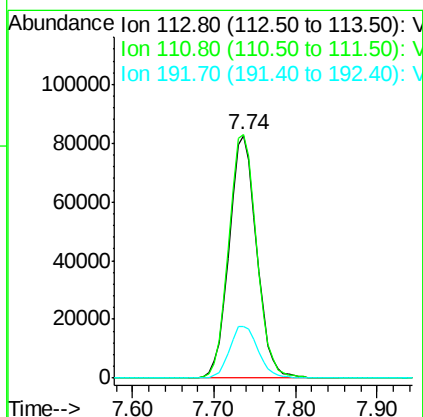
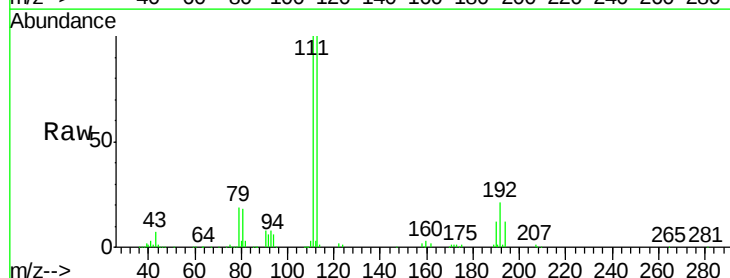
Instrument :
 MSVOA_Y
 ClientSampleId :
 OILY-DEBRIS-1499

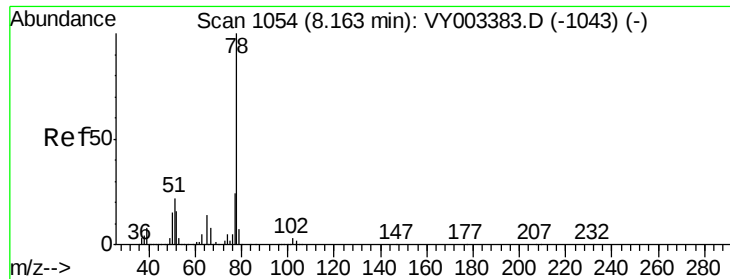
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.6
88	15.1	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 54.790 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY003414.D
 Acq: 03 Aug 2020 14:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.4	18.8	28.2





#40

Benzene

Concen: 7.437 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

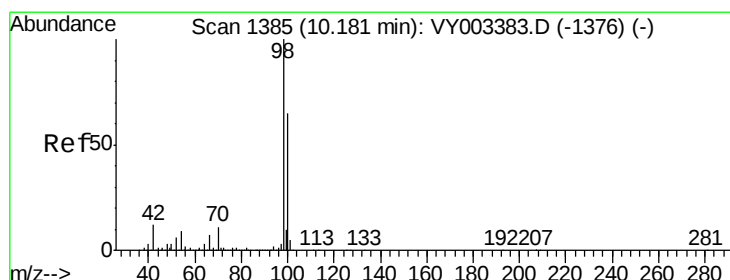
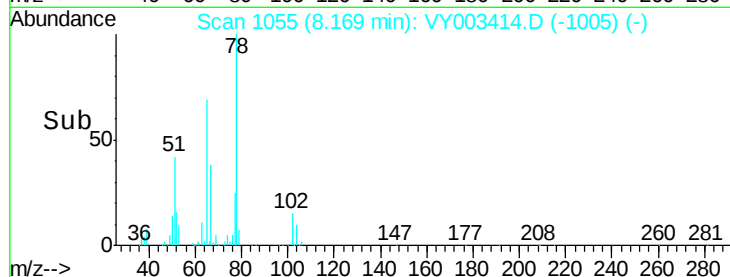
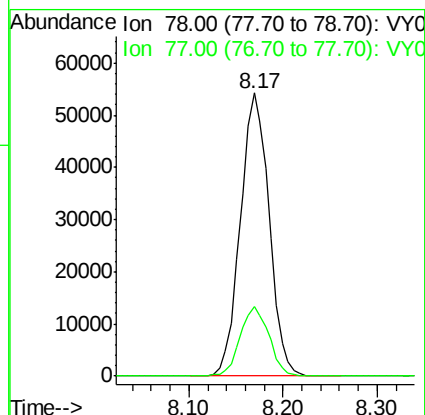
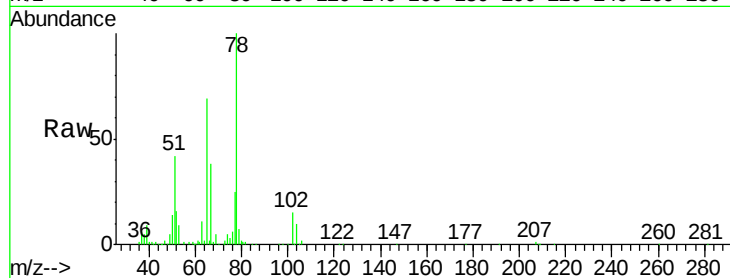
OILY-DEBRIS-1499

Tot Ion: 78 Resp: 115749

Ion Ratio Lower Upper

78 100

77 24.5 19.5 29.3



#50

Toluene-d8

Concen: 42.901 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003414.D

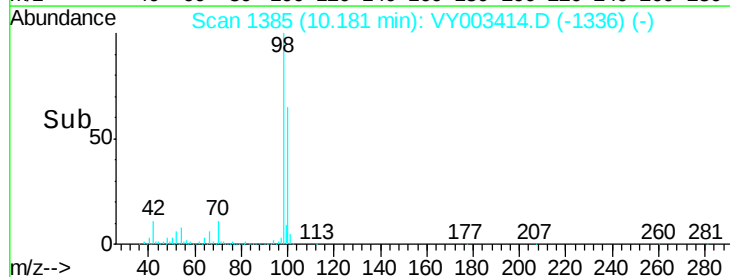
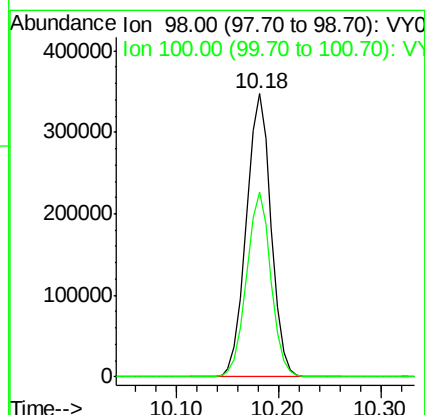
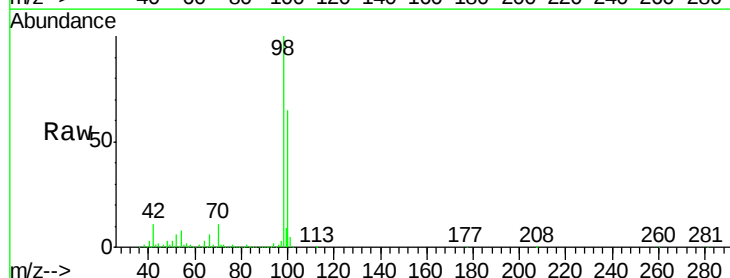
Acq: 03 Aug 2020 14:03

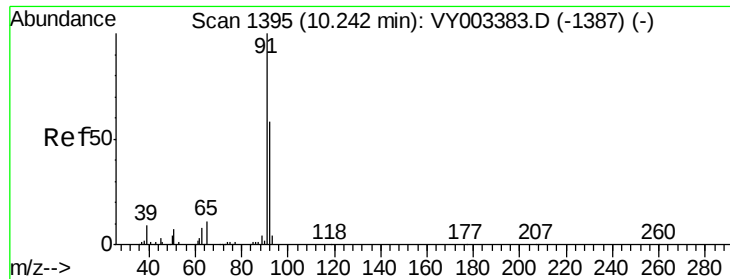
Tgt Ion: 98 Resp: 586608

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9





#52

Toluene

Concen: 13.999 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

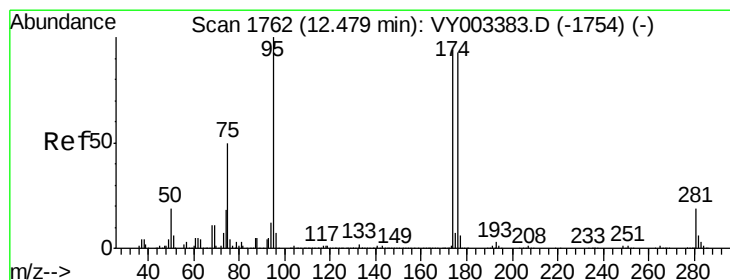
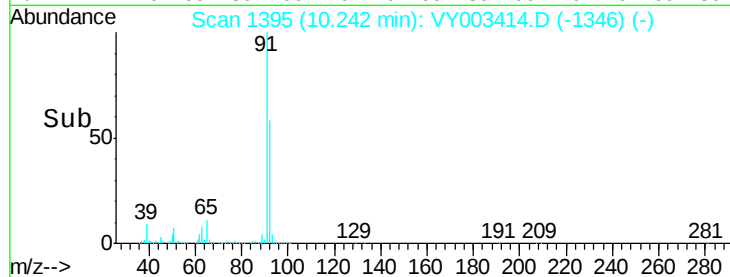
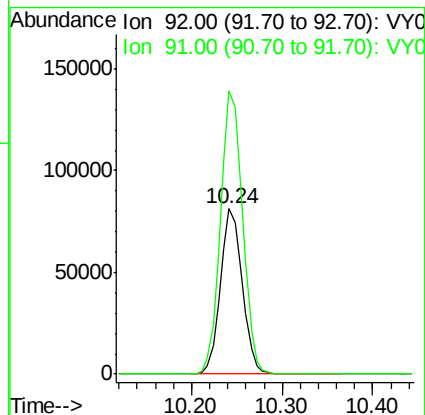
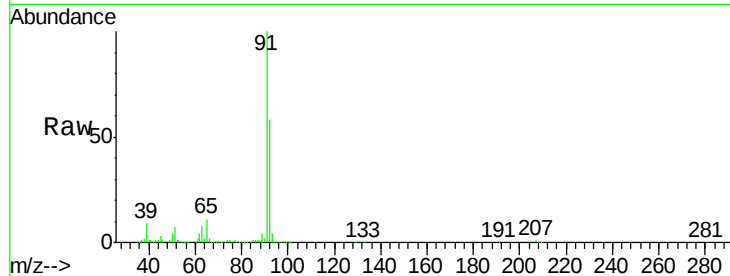
OILY-DEBRIS-1499

Tot Ion: 92 Resp: 136655

Ion Ratio Lower Upper

92 100

91 174.6 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 24.274 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

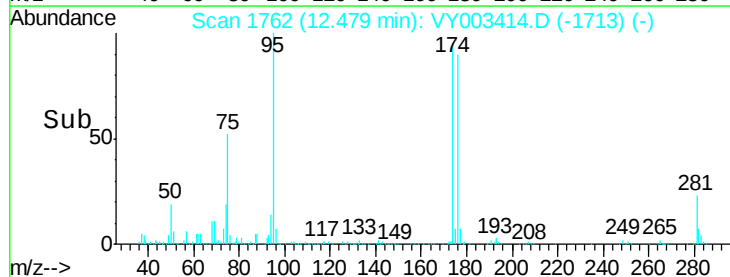
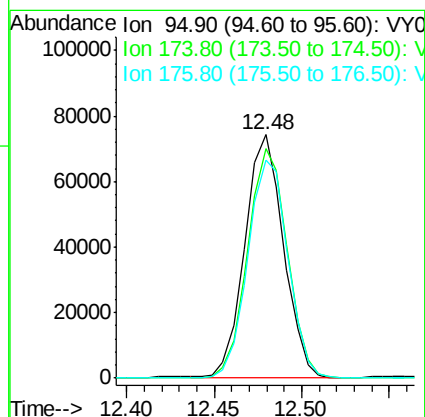
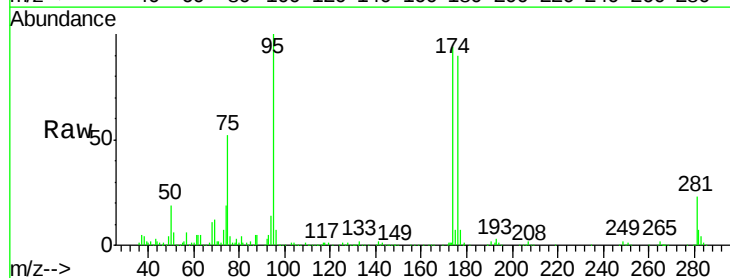
Tgt Ion: 95 Resp: 113405

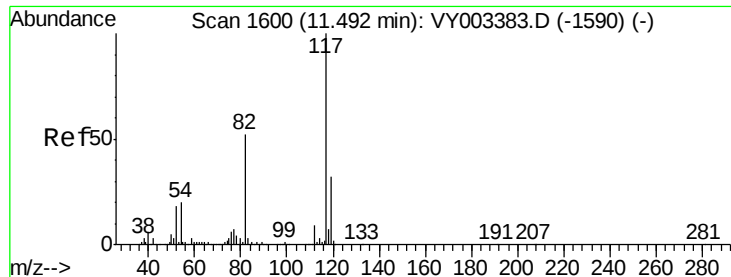
Ion Ratio Lower Upper

95 100

174 97.2 0.0 190.0

176 93.3 0.0 184.4

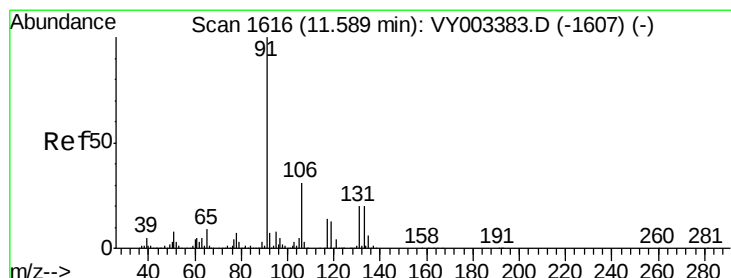
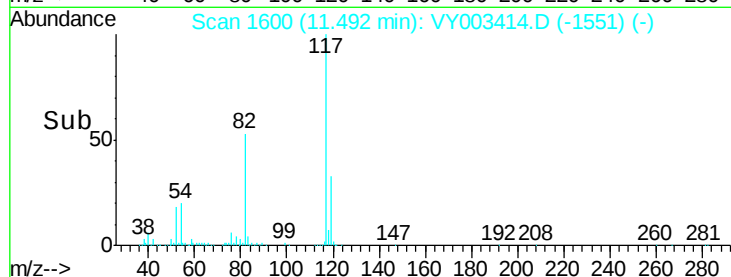
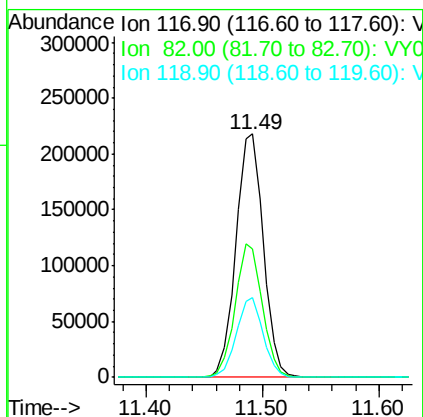
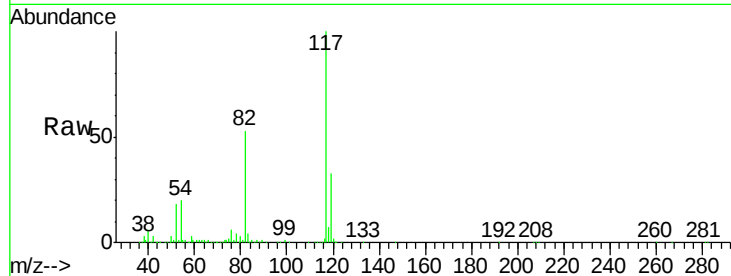




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

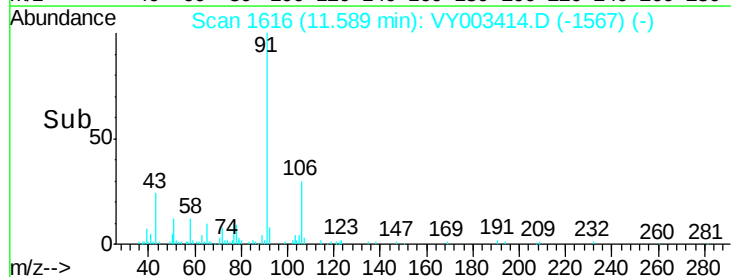
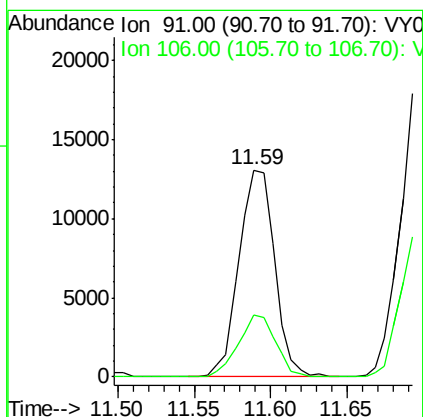
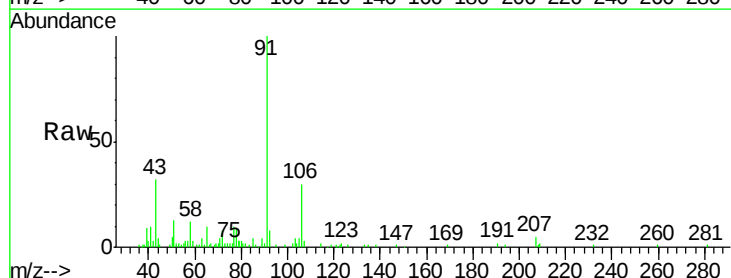
Instrument :
MSVOA_Y
ClientSampleId :
OILY-DEBRIS-1499

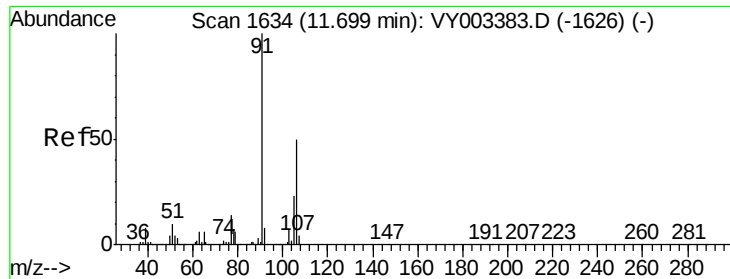
Tot Ion:117 Resp: 358682
Ion Ratio Lower Upper
117 100
82 52.7 41.9 62.9
119 33.0 25.4 38.0



#67
Ethyl Benzene
Concen: 1.675 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

Tgt Ion: 91 Resp: 21253
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6

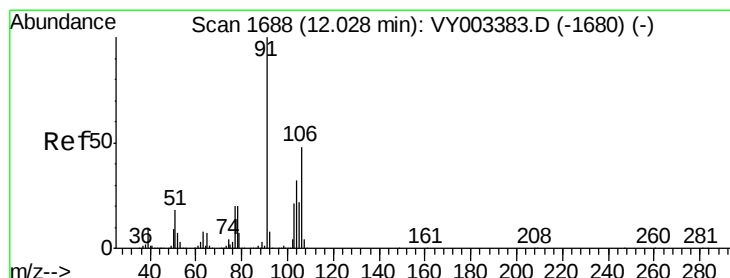
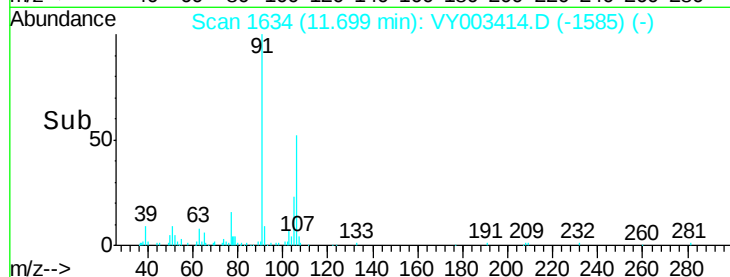
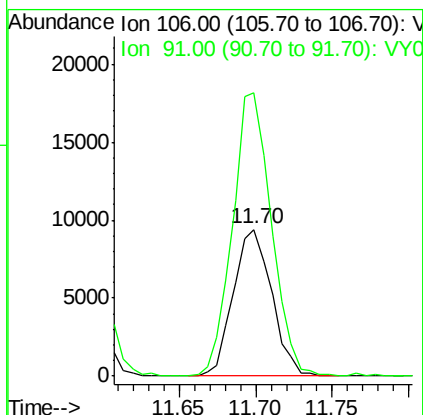
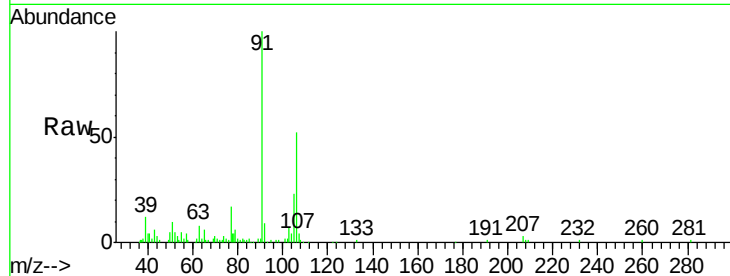




#68
m/p-Xylenes
Concen: 3.430 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

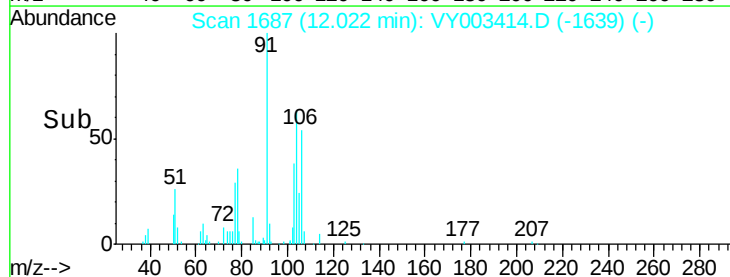
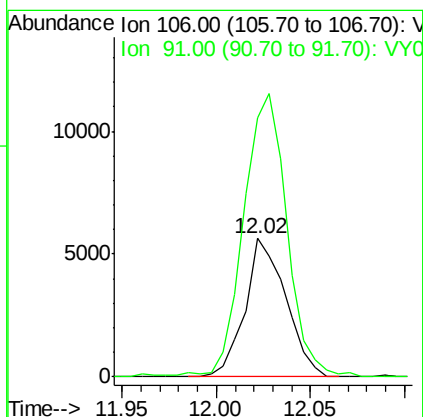
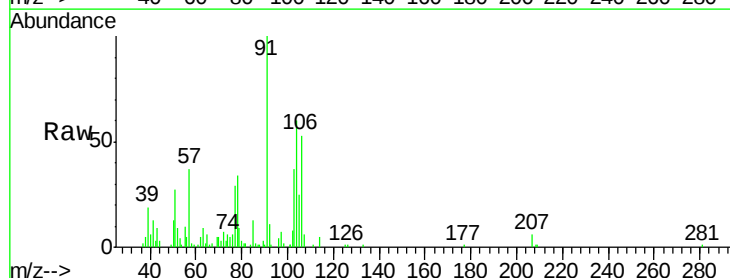
Instrument :
MSVOA_Y
ClientSampleId :
OILY-DEBRIS-1499

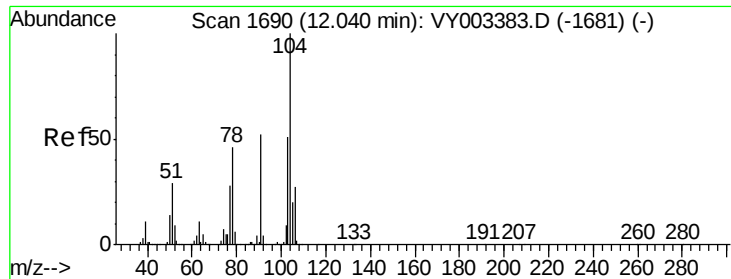
Tot Ion:106 Resp: 16412
Ion Ratio Lower Upper
106 100
91 195.4 161.0 241.6



#69
o-Xylene
Concen: 1.890 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

Tgt Ion:106 Resp: 8466
Ion Ratio Lower Upper
106 100
91 218.0 104.6 313.7

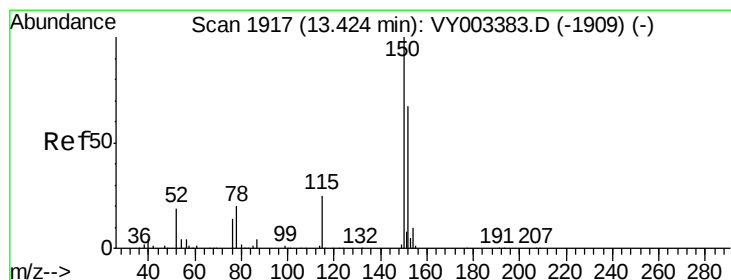
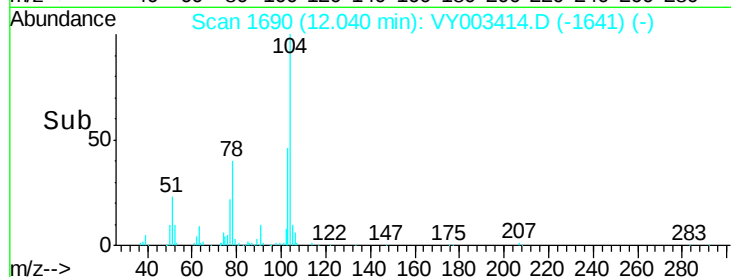
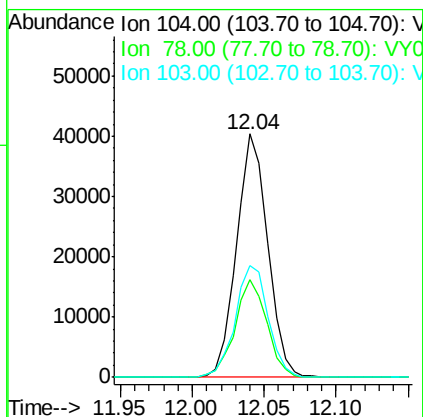
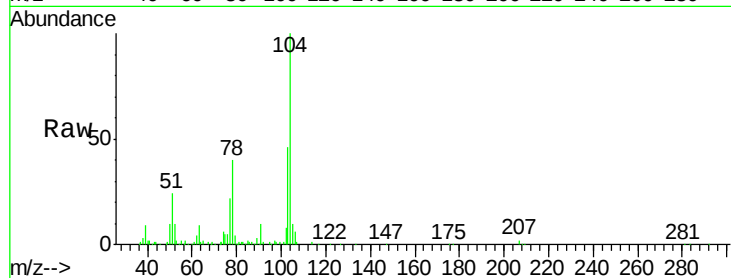




#70
Stvrene
Concen: 7.933 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

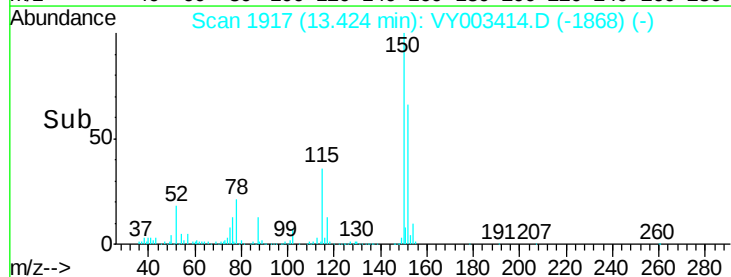
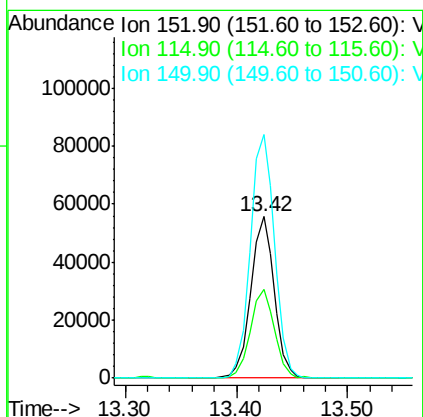
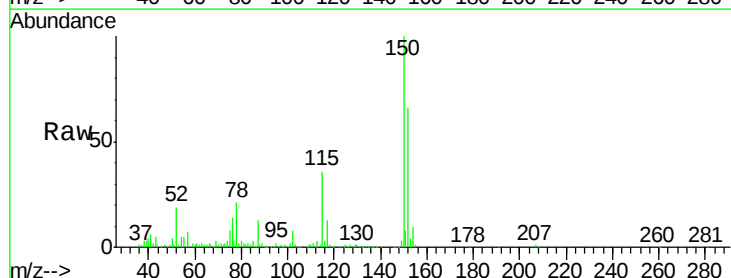
Instrument :
MSVOA_Y
ClientSampleId :
OILY-DEBRIS-1499

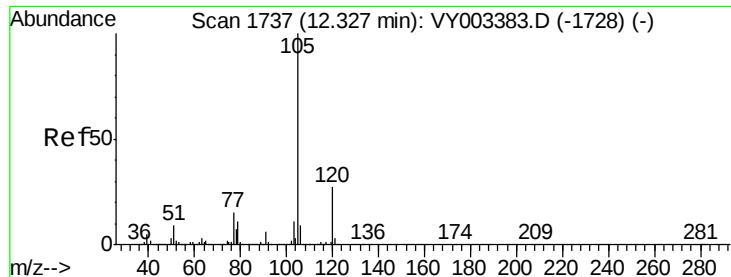
Tot Ion	Ratio	Lower	Upper
104	100		
78	41.5	39.3	58.9
103	48.8	43.7	65.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003414.D
Acq: 03 Aug 2020 14:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.2	81.5
150	154.8	0.0	346.8





#73

Isopropylbenzene

Concen: 5.708 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003414.D

Acq: 03 Aug 2020 14:03

Instrument :

MSVOA_Y

ClientSampleId :

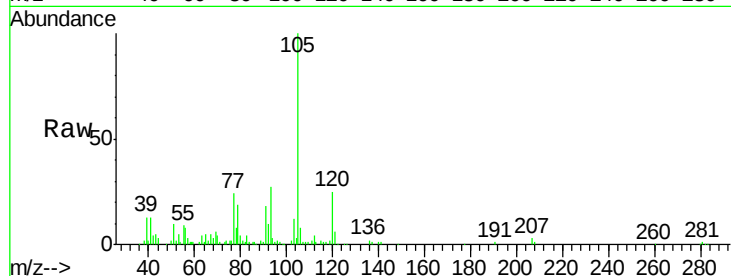
OILY-DEBRIS-1499

Tot Ion:105 Resp: 30247

Ion Ratio Lower Upper

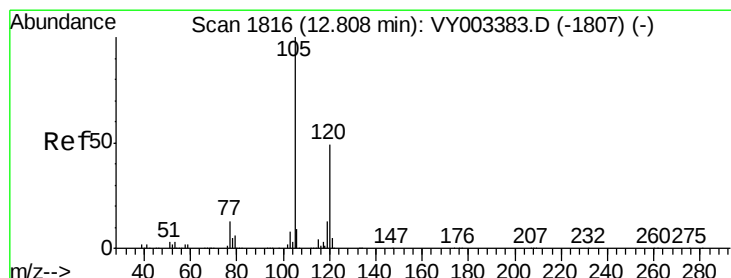
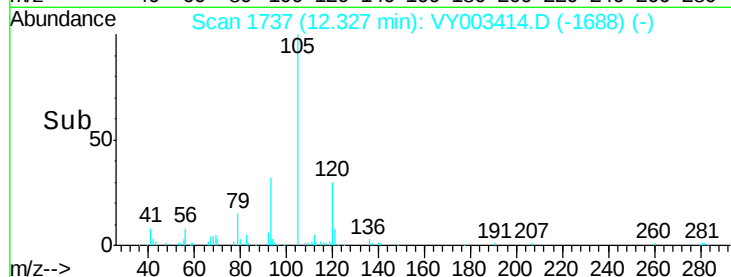
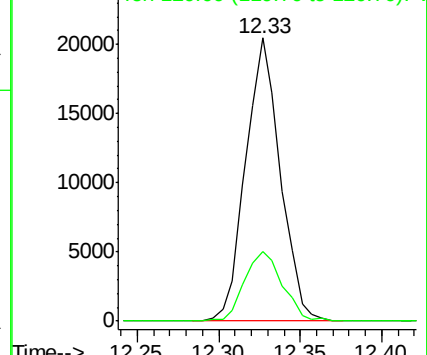
105 100

120 27.0 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: 1.193 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003414.D

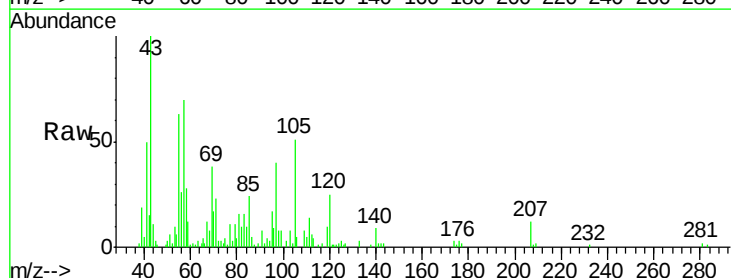
Acq: 03 Aug 2020 14:03

Tgt Ion:105 Resp: 5309

Ion Ratio Lower Upper

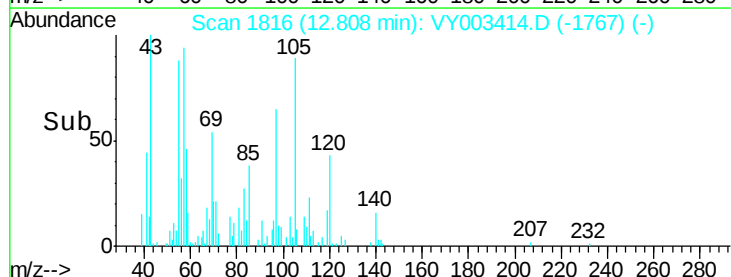
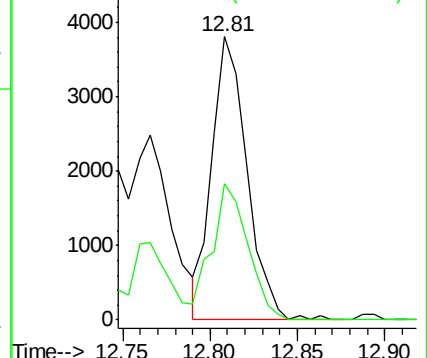
105 100

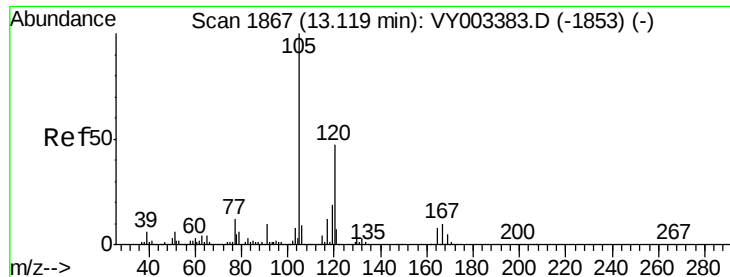
120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

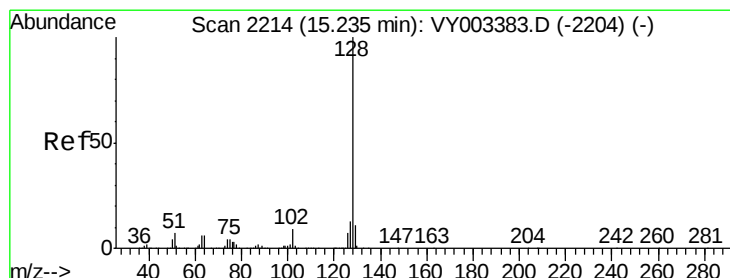
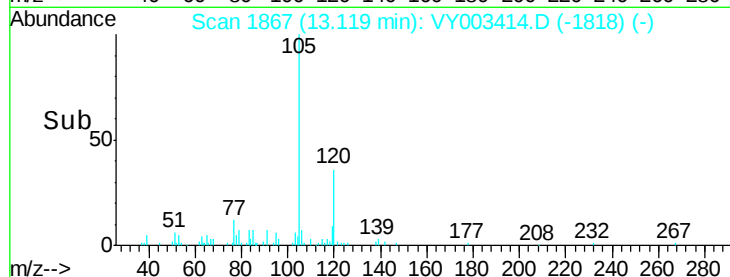
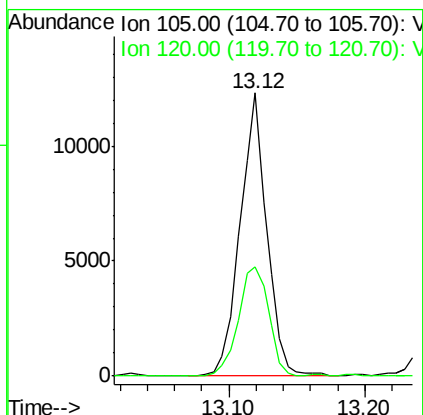
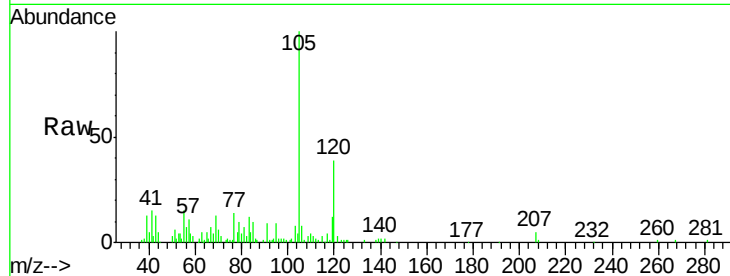




#84
 1,2,4-Trimethylbenzene
 Concen: 3.761 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003414.D
 Acq: 03 Aug 2020 14:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 OILY-DEBRIS-1499

Tot Ion:105 Resp: 16821
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.4 70.3



#95
 Naphthalene
 Concen: 2.788 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003414.D
 Acq: 03 Aug 2020 14:03

Tgt Ion:128 Resp: 7598
 Ion Ratio Lower Upper
 128 100
 127 22.2 10.4 15.6#
 129 21.8 8.7 13.1#

