

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003416.D
 Acq On : 03 Aug 2020 14:51
 Operator : SY/MD
 Sample : L3521-03
 Misc : 8.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-AB

Quant Time: Aug 04 01:33:25 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	453532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	706539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	658285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	306022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	226457	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.72	113	224489	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	10.18	98	872936	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.48	95	283424	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	

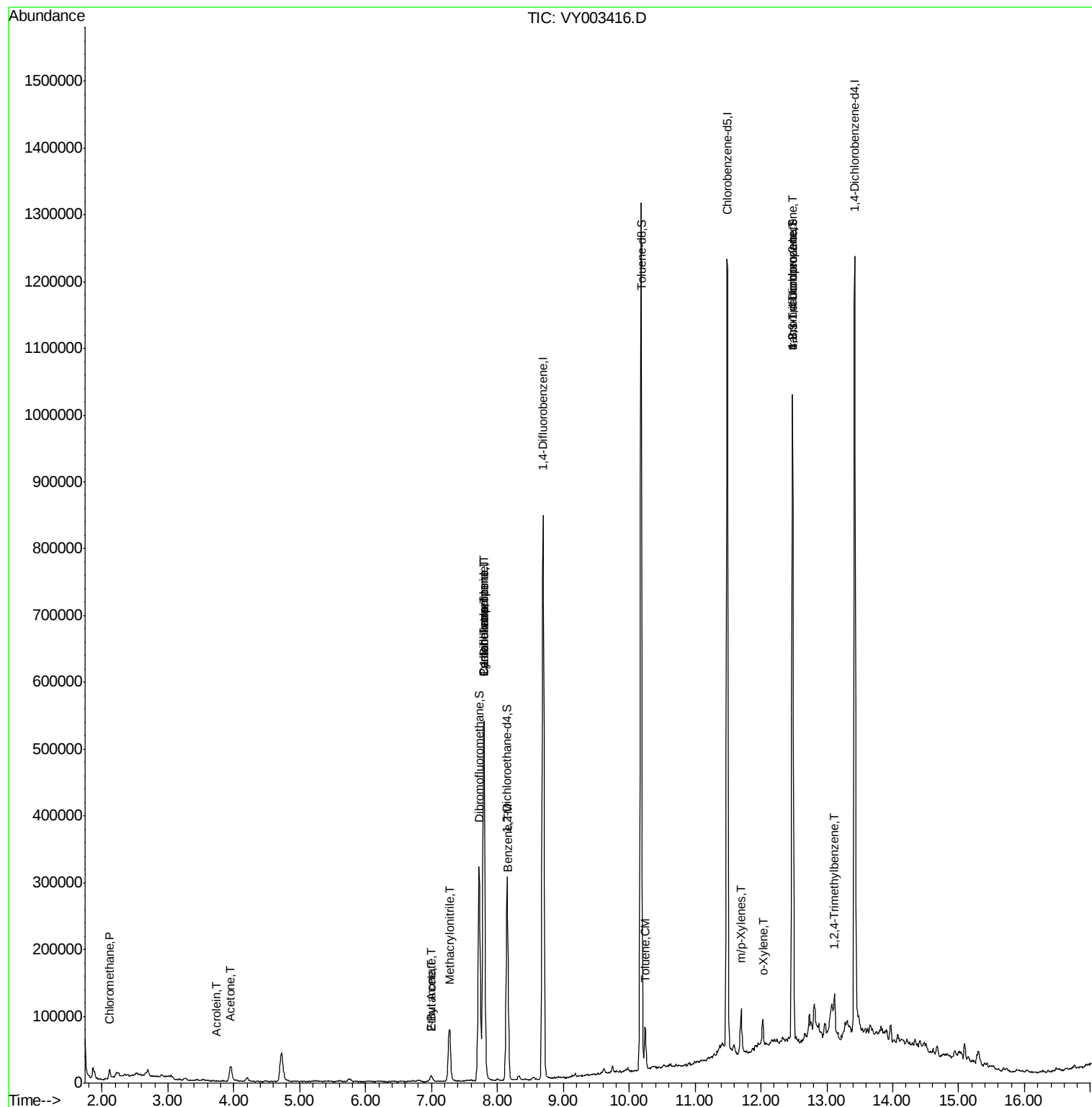
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	11357	2.233	ug/l	95
11) Tert butyl alcohol	4.95	59	652	Below Cal	#	73
13) Acrolein	3.74	56	620	1.366	ug/l #	57
16) Acetone	3.96	43	40176	37.708	ug/l	98
20) Methylene Chloride	4.72	84	32763	Below Cal		98
25) 2-Butanone	6.99	43	13017	8.017	ug/l	95
31) Cyclohexane	7.79	56	9474	1.239	ug/l #	22
36) 1,1-Dichloropropene	7.79	75	31689	4.740	ug/l #	50
37) Ethyl Acetate	6.99	43	13017	3.424	ug/l #	70
38) Carbon Tetrachloride	7.79	117	40744	5.922	ug/l #	17
40) Benzene	8.16	78	21551	1.162	ug/l	94
41) Methacrylonitrile	7.27	41	42582	19.538	ug/l #	41
52) Toluene	10.24	92	24451	2.102	ug/l	99
68) m/p-Xylenes	11.69	106	22447	2.556	ug/l	99
69) o-Xylene	12.02	106	10597	1.289	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	142139	51.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	142139	97.783	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.12	105	23360	1.400	ug/l	99

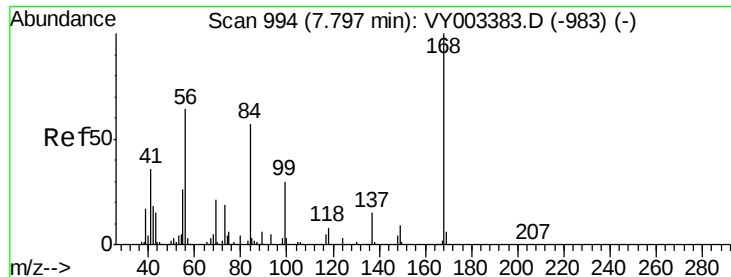
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
Data File : VY003416.D
Acq On : 03 Aug 2020 14:51
Operator : SY/MD
Sample : L3521-03
Misc : 8.43G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-AB

Quant Time: Aug 04 01:33:25 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# 994

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

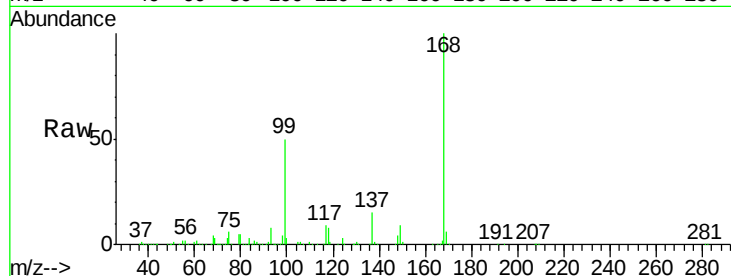
COMP-AB

Tot Ion:168 Resp: 453532

Ion Ratio Lower Upper

168 100

99 50.0 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

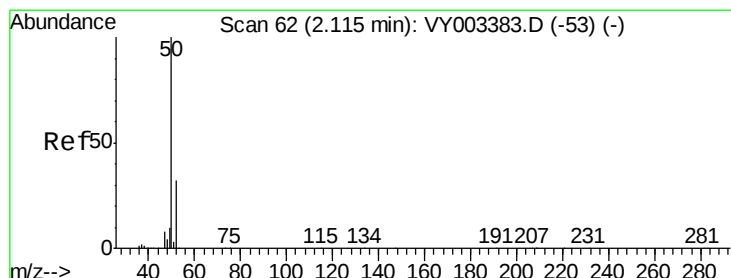
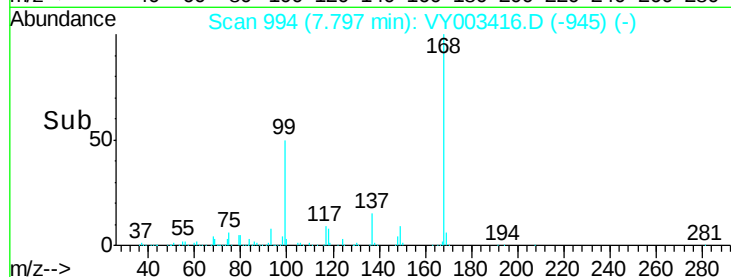
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.233 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003416.D

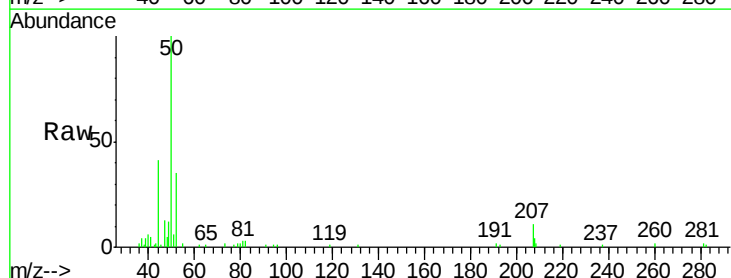
Acq: 03 Aug 2020 14:51

Tgt Ion: 50 Resp: 11357

Ion Ratio Lower Upper

50 100

52 35.1 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) (-)

2.12

8000

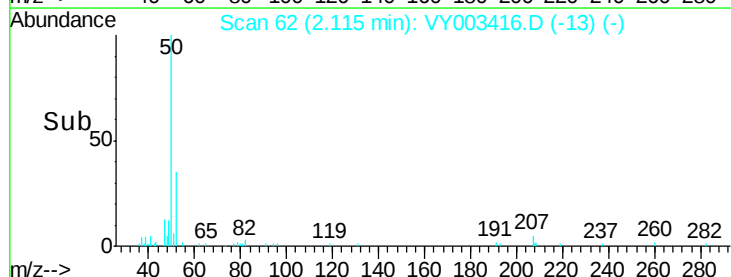
6000

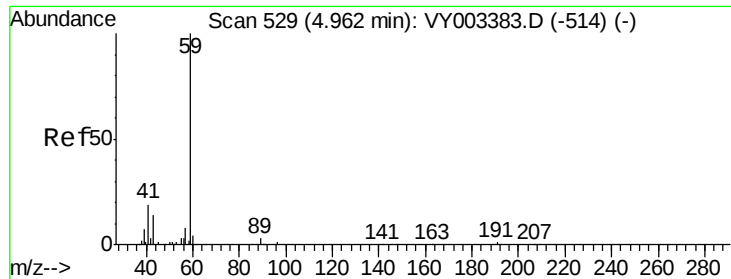
4000

2000

0

Time-->



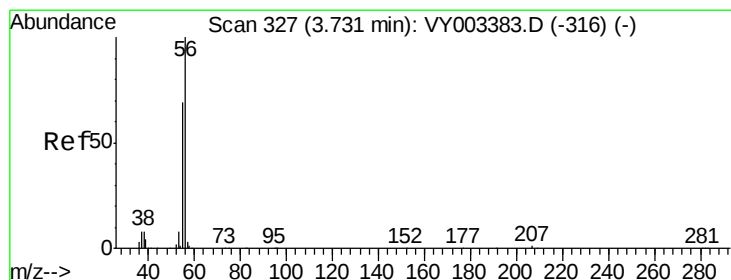
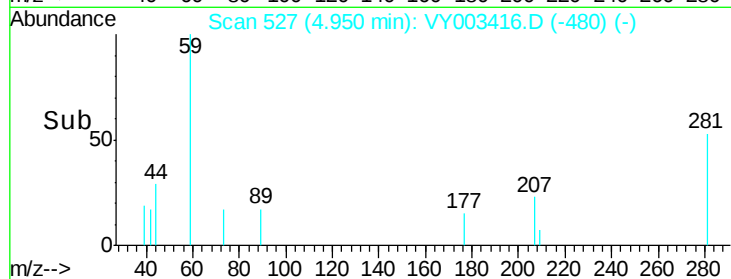
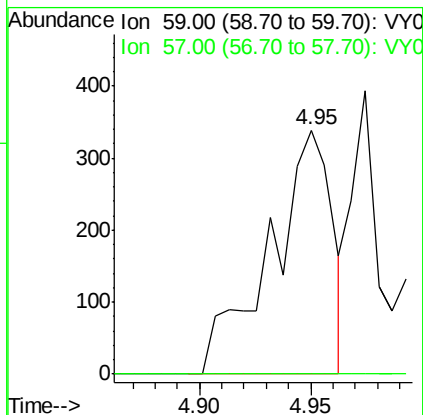
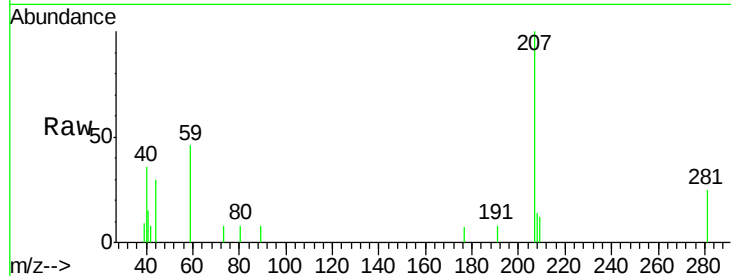


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.95 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VY003416.D
 Acq: 03 Aug 2020 14:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-AB

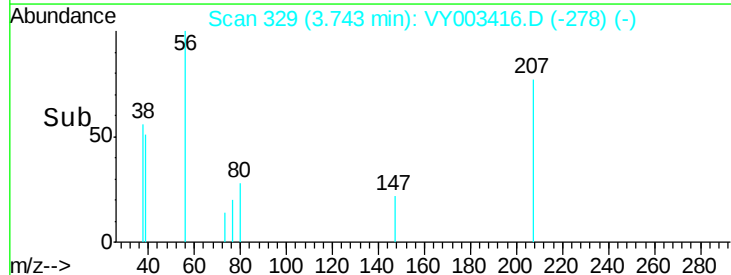
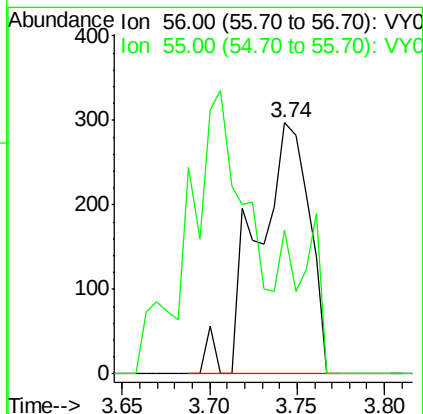
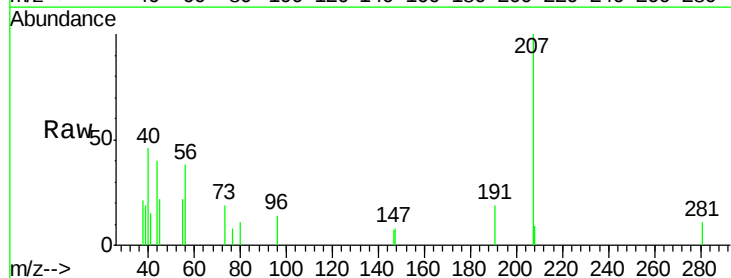
Tot Ion: 59 Resp: 652
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

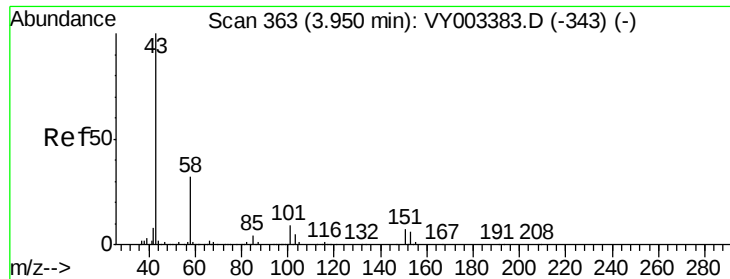


#13

Acrolein
 Concen: 1.366 ug/l
 RT: 3.74 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VY003416.D
 Acq: 03 Aug 2020 14:51

Tgt Ion: 56 Resp: 620
 Ion Ratio Lower Upper
 56 100
 55 34.2 55.5 83.3#





#16

Acetone

Concen: 37.708 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

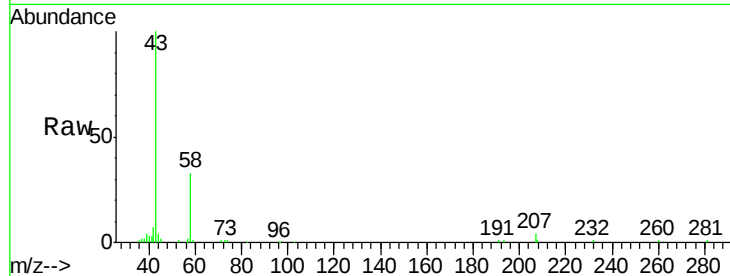
COMP-AB

Tot Ion: 43 Resp: 40176

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

15000

10000

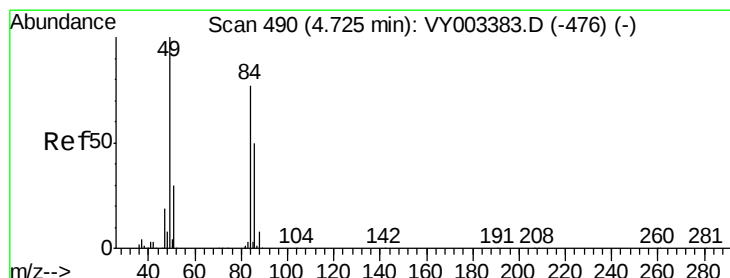
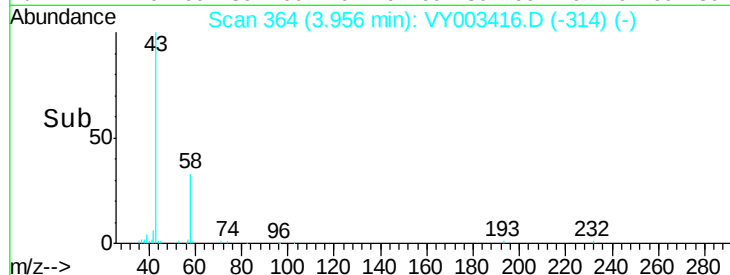
5000

0

Time-->

3.90 4.00 4.10

3.96



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Tgt Ion: 84 Resp: 32763

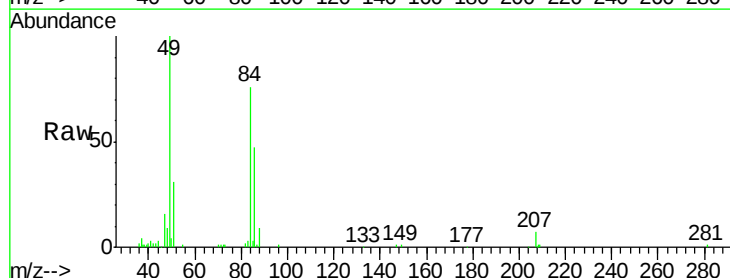
Ion Ratio Lower Upper

84 100

49 131.1 104.2 156.4

51 40.3 31.5 47.3

86 61.6 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

20000

15000

10000

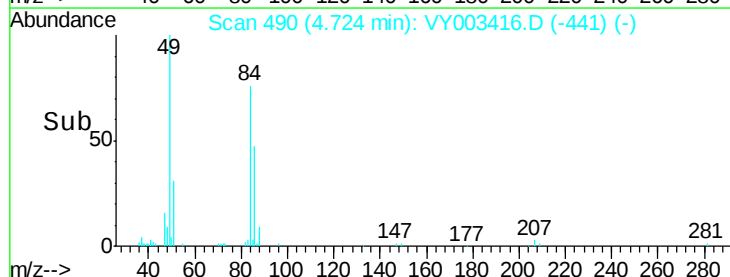
5000

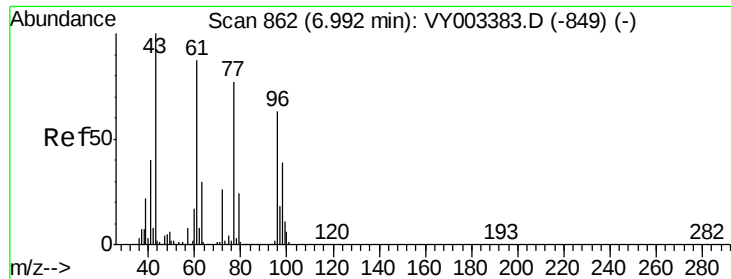
0

Time-->

4.60 4.70 4.80

4.72

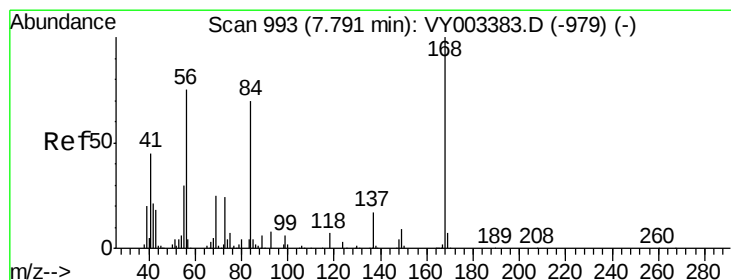
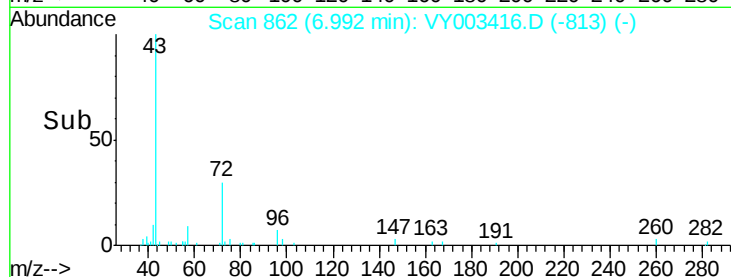
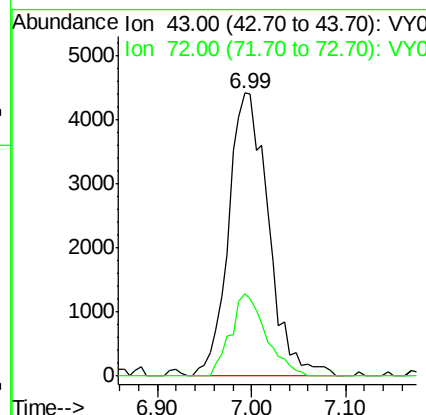
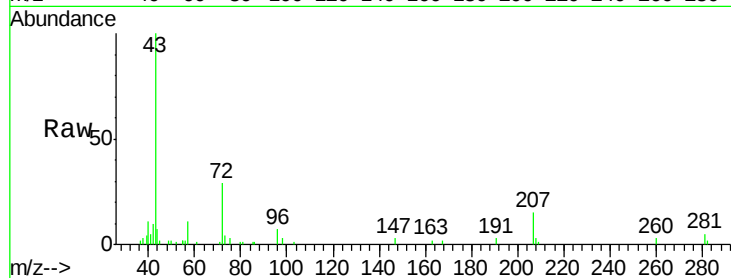




#25
2-Butanone
Concen: 8.017 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003416.D
Acq: 03 Aug 2020 14:51

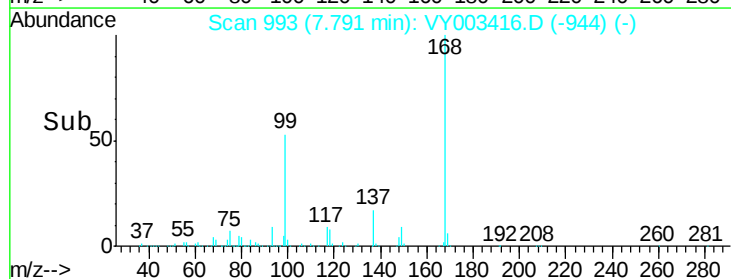
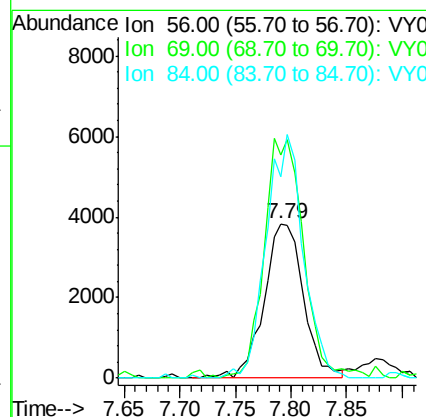
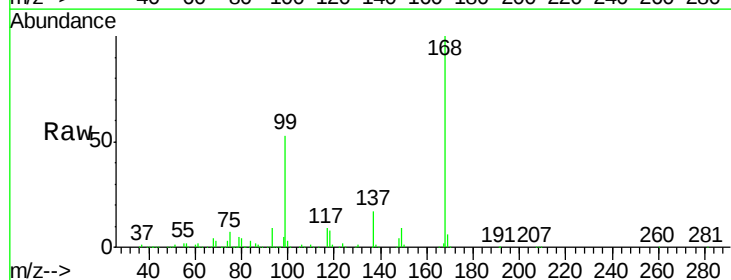
Instrument :
MSVOA_Y
ClientSampleId :
COMP-AB

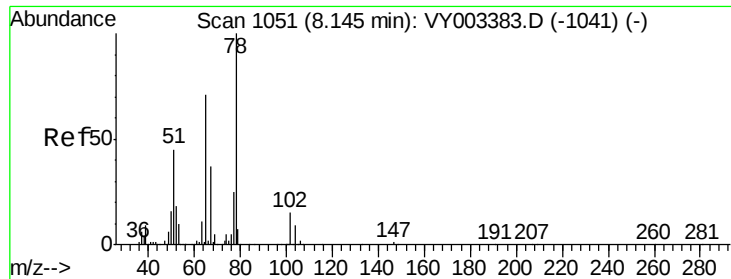
Tot Ion: 43 Resp: 13017
Ion Ratio Lower Upper
43 100
72 29.1 21.1 31.7



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003416.D
Acq: 03 Aug 2020 14:51

Tgt Ion: 56 Resp: 9474
Ion Ratio Lower Upper
56 100
69 140.8 26.1 39.1#
84 128.8 73.9 110.9#

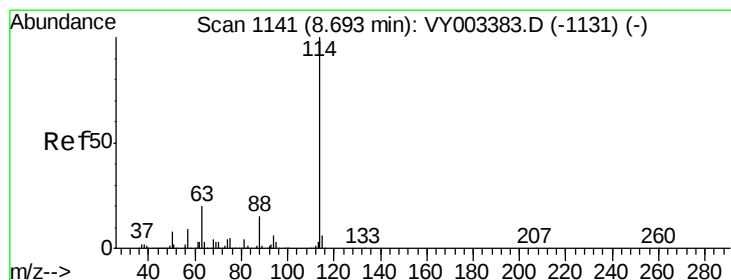
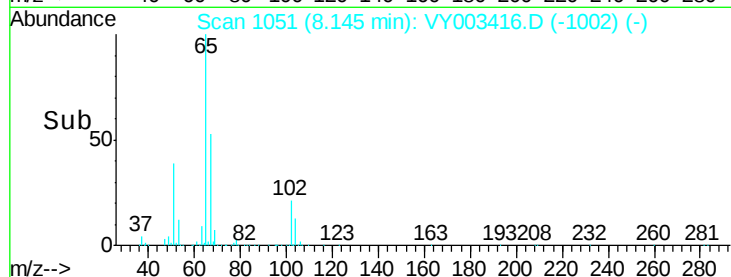
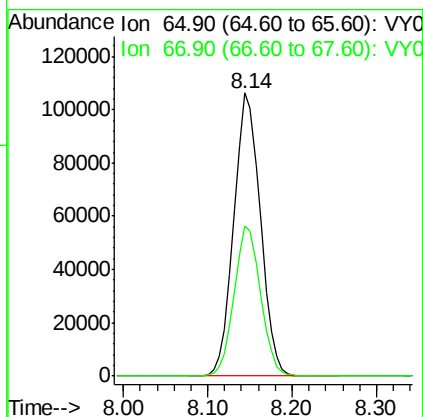
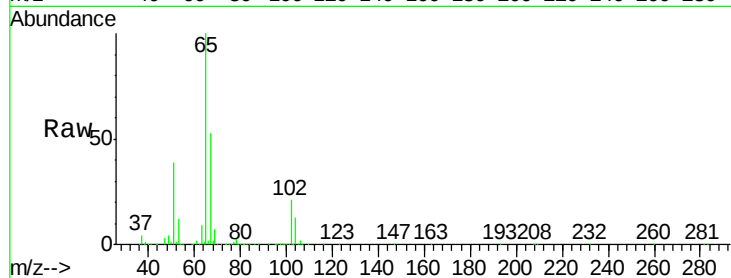




#33
 1,2-Dichloroethane-d4
 Concen: 52.515 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003416.D
 Acq: 03 Aug 2020 14:51

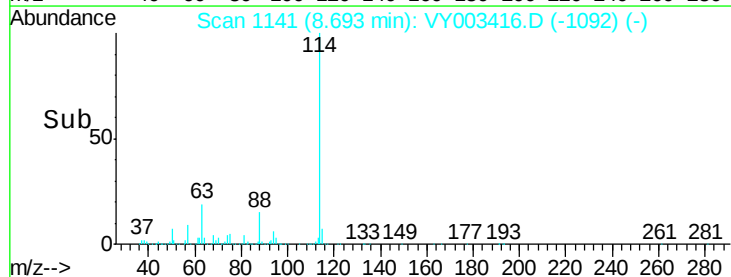
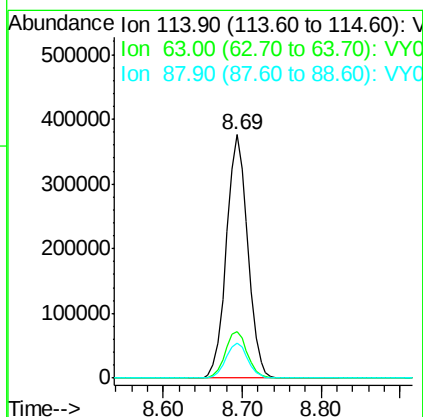
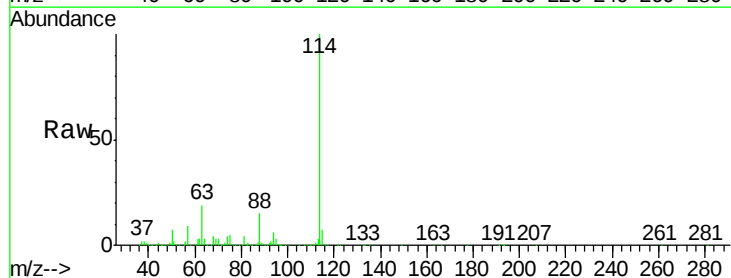
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-AB

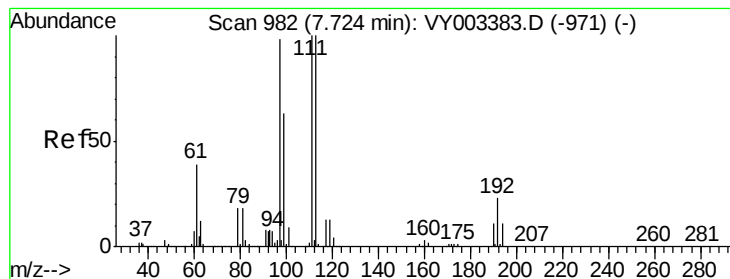
Tot Ion: 65 Resp: 226457
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003416.D
 Acq: 03 Aug 2020 14:51

Tgt Ion: 114 Resp: 706539
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 14.5 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.938 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

COMP-AB

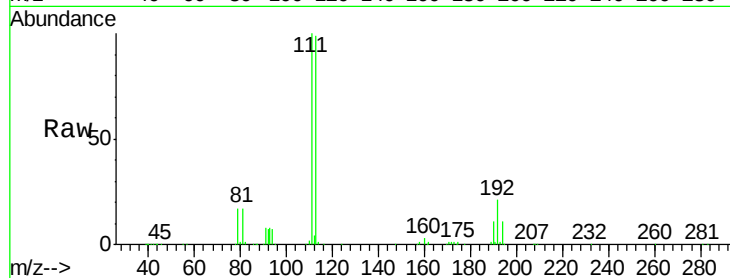
Tot Ion:113 Resp: 224489

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

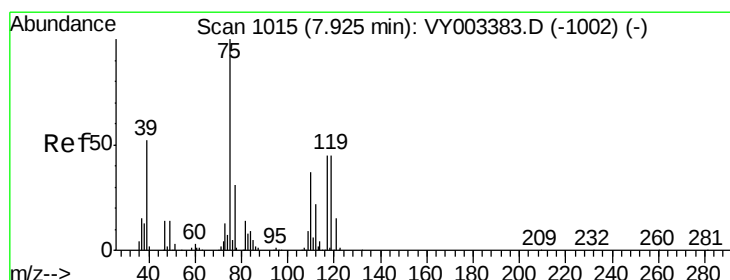
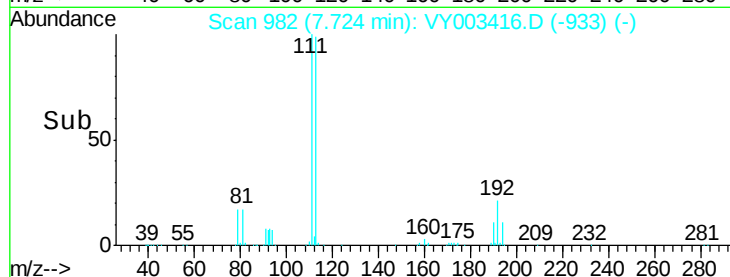
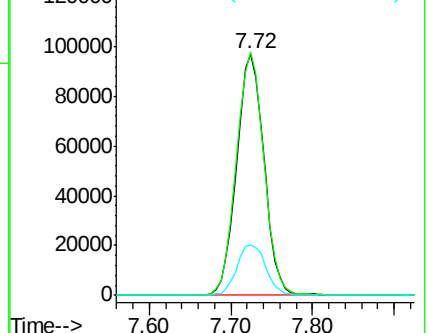
192 22.3 18.8 28.2



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



#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

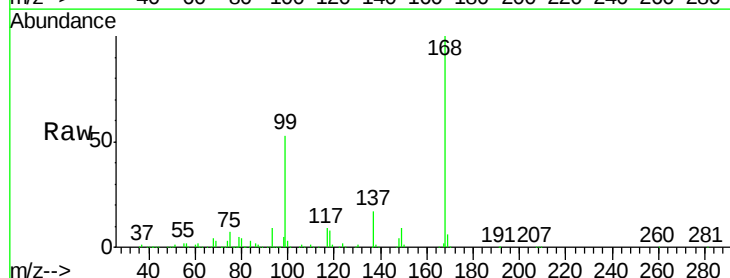
Tgt Ion: 75 Resp: 31689

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

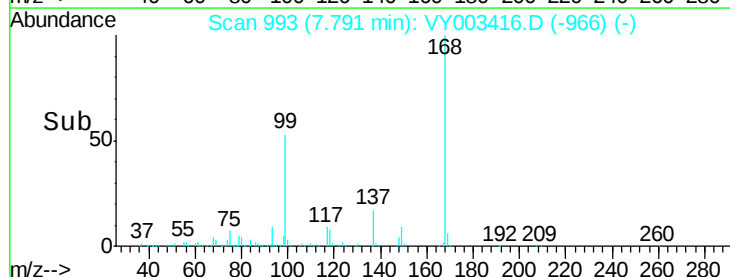
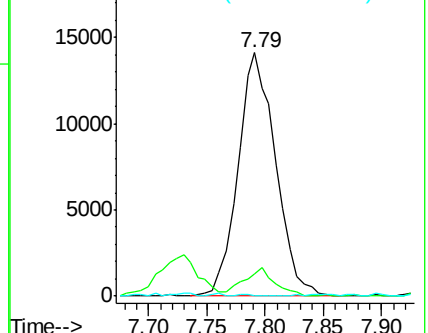
77 0.0 24.6 36.8#

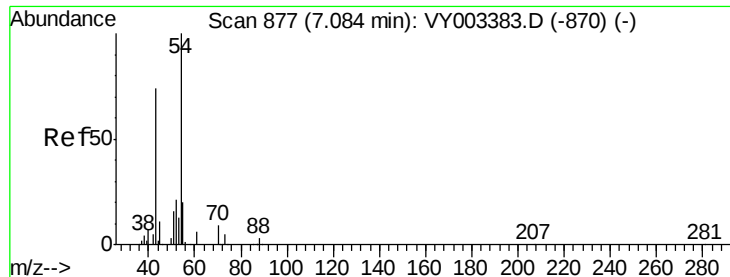


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 3.424 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.09 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

COMP-AB

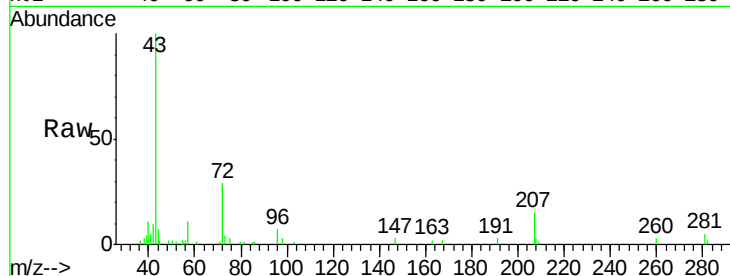
Tot Ion: 43 Resp: 13017

Ion Ratio Lower Upper

43 100

61 0.7 11.2 16.8#

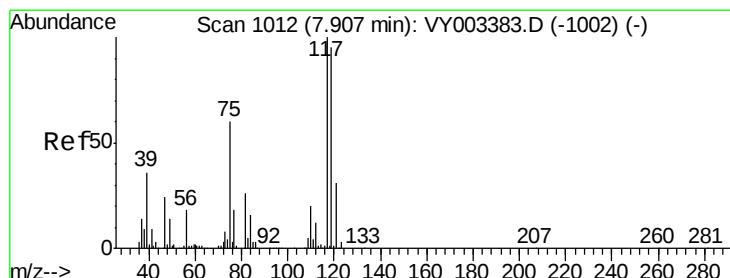
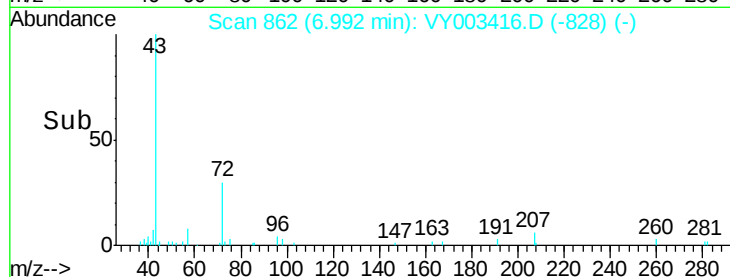
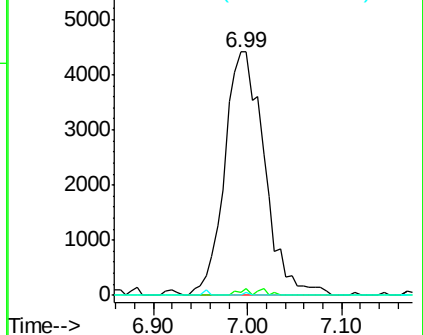
70 0.2 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VY003383.D (-870) (-)

Ion 60.90 (60.60 to 61.60): VY003383.D (-870) (-)

Ion 70.00 (69.70 to 70.70): VY003383.D (-870) (-)



#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

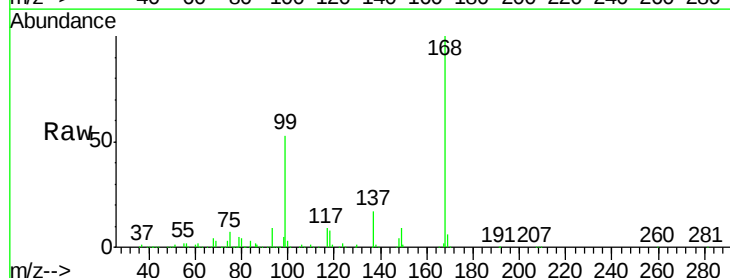
Tgt Ion: 117 Resp: 40744

Ion Ratio Lower Upper

117 100

119 6.6 76.1 114.1#

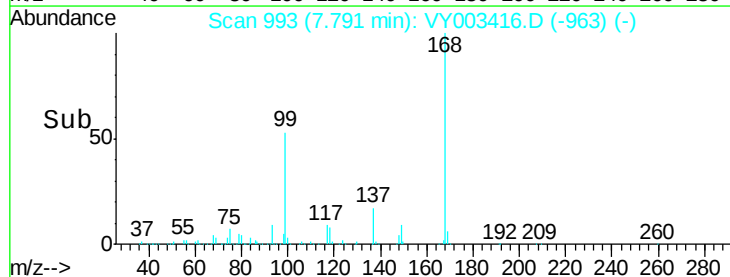
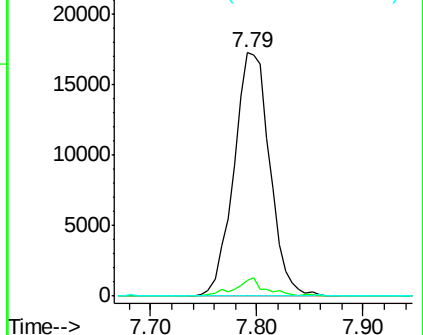
121 0.0 24.5 36.7#

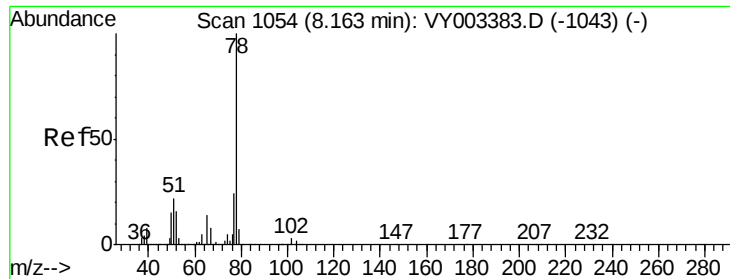


Abundance Ion 116.80 (116.50 to 117.50): VY003383.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY003383.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY003383.D (-1002) (-)





#40

Benzene

Concen: 1.162 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

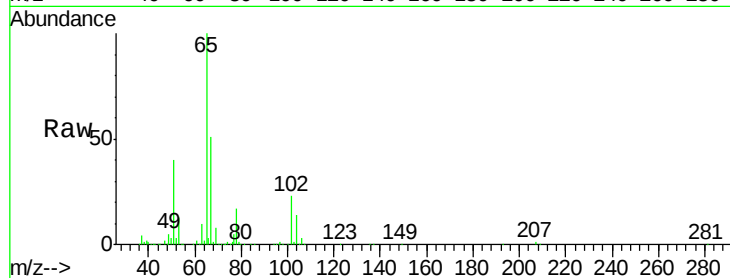
COMP-AB

Tot Ion: 78 Resp: 21551

Ion Ratio Lower Upper

78 100

77 27.6 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

8.16

10000

8000

6000

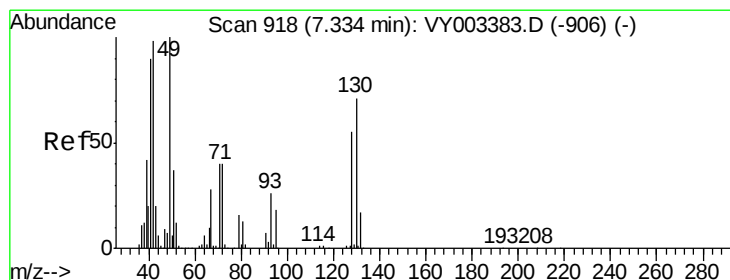
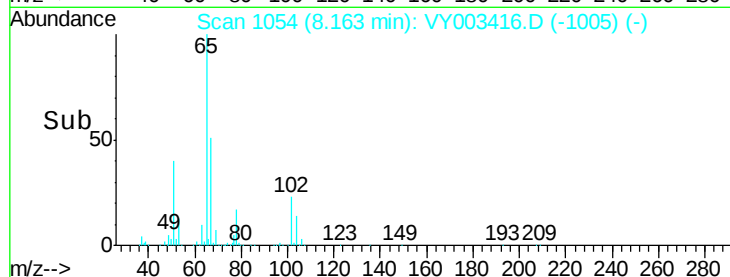
4000

2000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#41

Methacrylonitrile

Concen: 19.538 ug/l

RT: 7.27 min Scan# 908

Delta R.T. -0.06 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Tgt Ion: 41 Resp: 42582

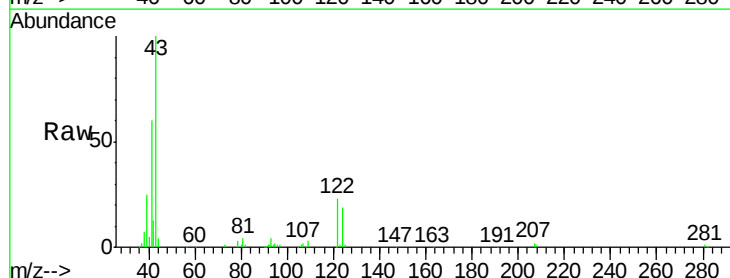
Ion Ratio Lower Upper

41 100

39 39.6 78.3 117.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

7.27

25000

20000

15000

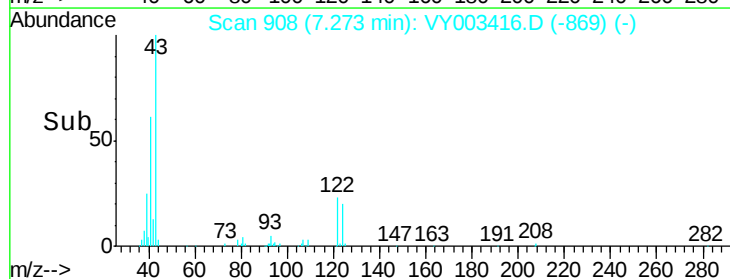
10000

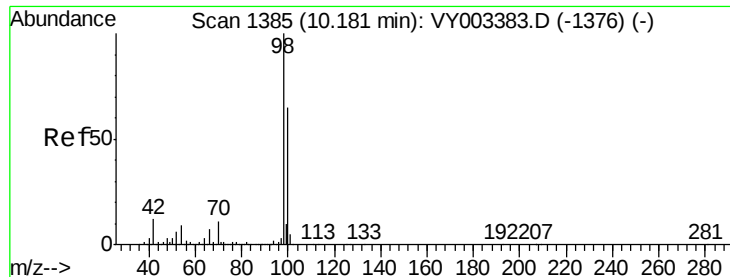
5000

0

7.20 7.30 7.40

Time-->





#50

Toluene-d8

Concen: 53.563 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

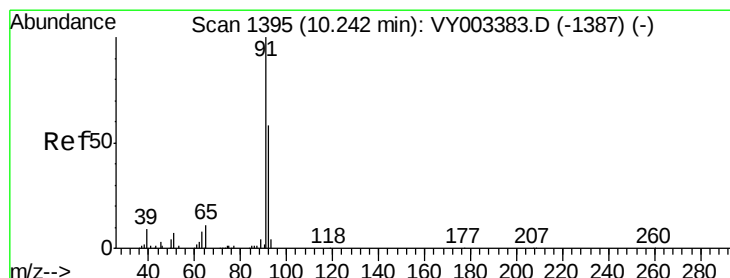
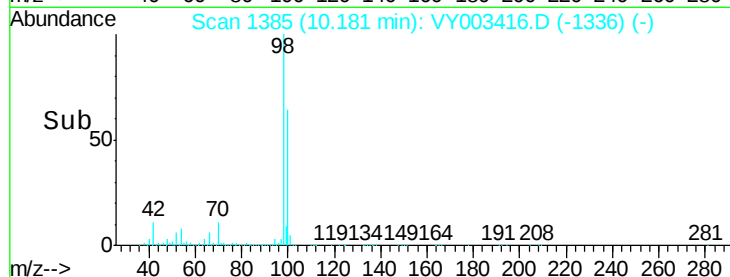
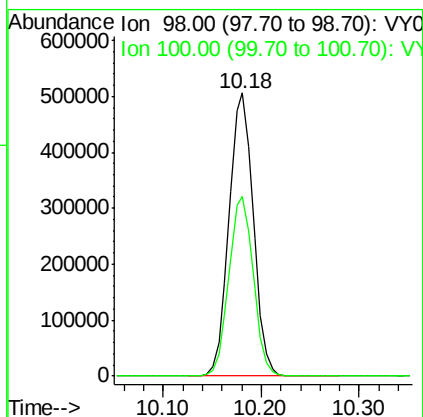
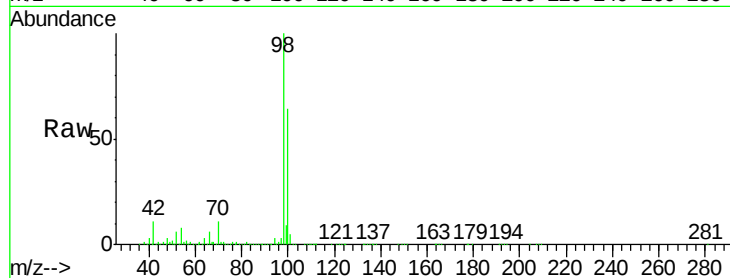
COMP-AB

Tot Ion: 98 Resp: 872936

Ion Ratio Lower Upper

98 100

100 63.7 51.3 76.9



#52

Toluene

Concen: 2.102 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003416.D

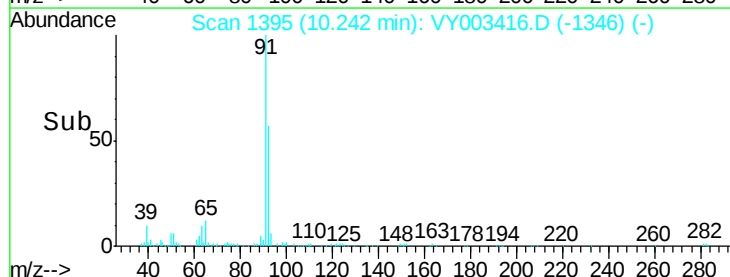
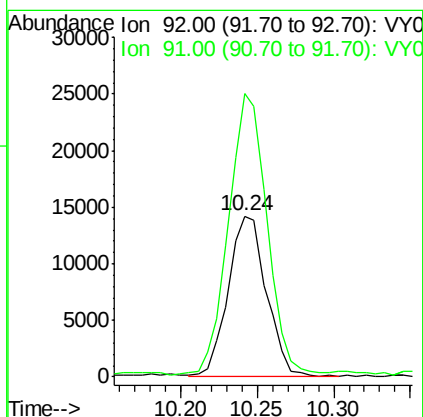
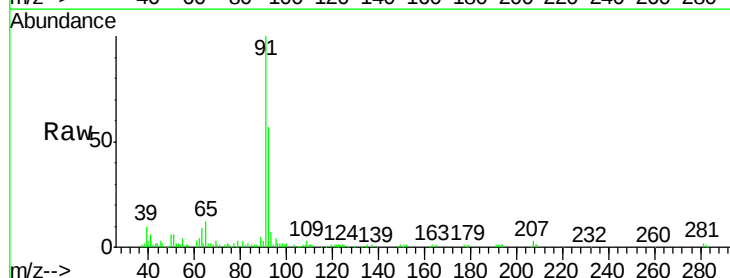
Acq: 03 Aug 2020 14:51

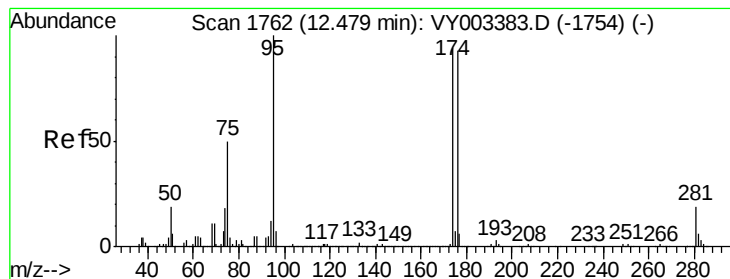
Tgt Ion: 92 Resp: 24451

Ion Ratio Lower Upper

92 100

91 176.1 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 50.898 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

COMP-AB

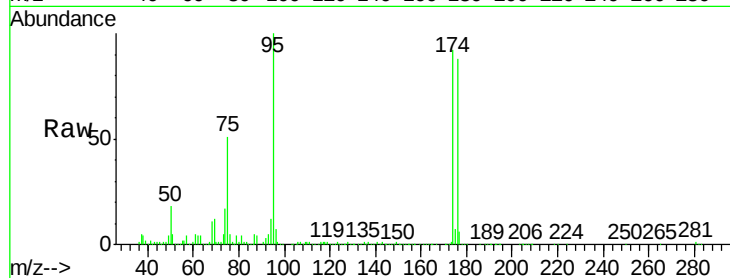
Tot Ion: 95 Resp: 283424

Ion Ratio Lower Upper

95 100

174 93.8 0.0 190.0

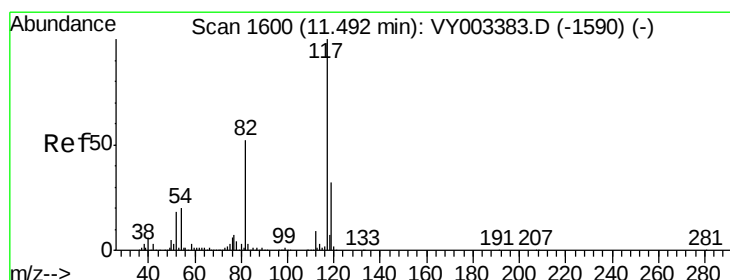
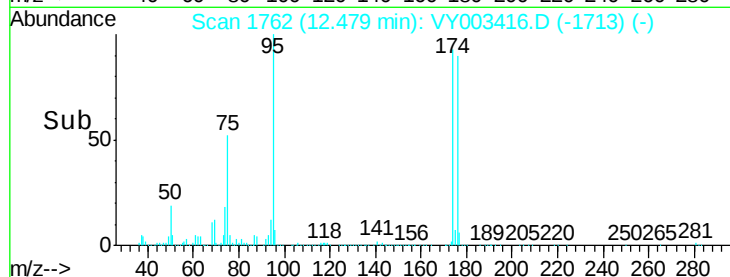
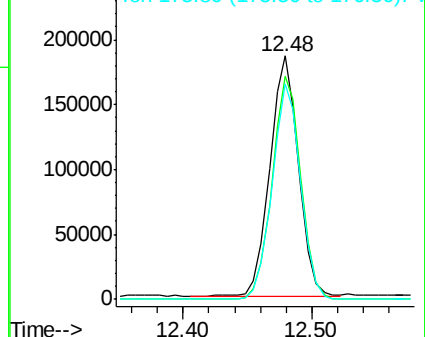
176 89.8 0.0 184.4



Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003383.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

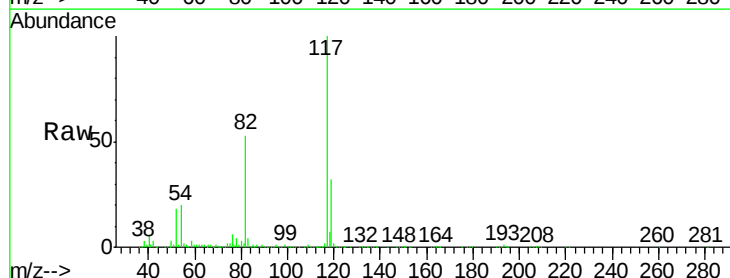
Tgt Ion: 117 Resp: 658285

Ion Ratio Lower Upper

117 100

82 52.6 41.9 62.9

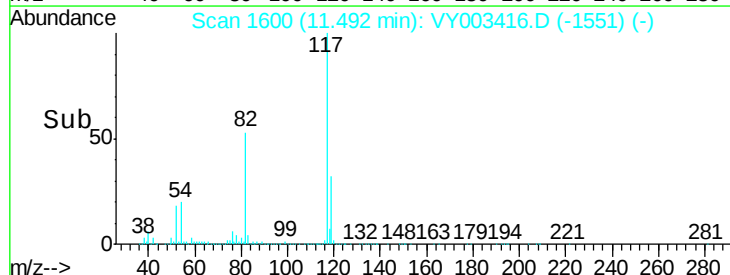
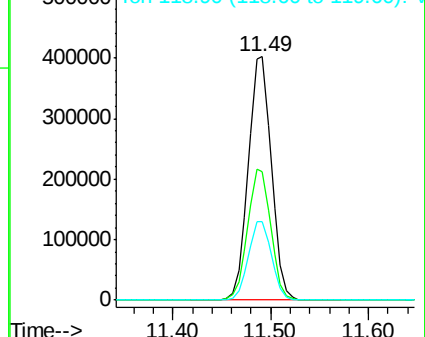
119 32.1 25.4 38.0

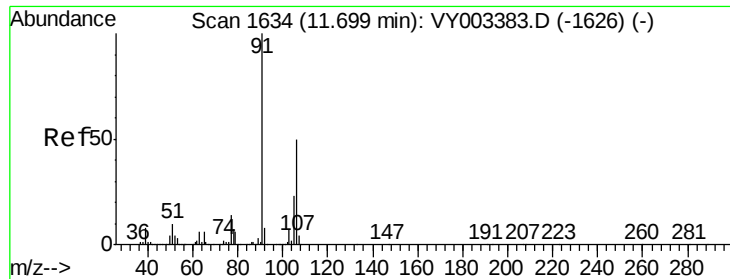


Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY003383.D (-1590) (-)





#68

m/p-Xvlenes

Concen: 2.556 ug/l

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

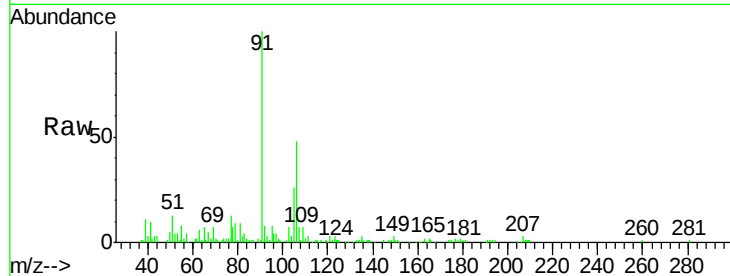
COMP-AB

Tot Ion:106 Resp: 22447

Ion Ratio Lower Upper

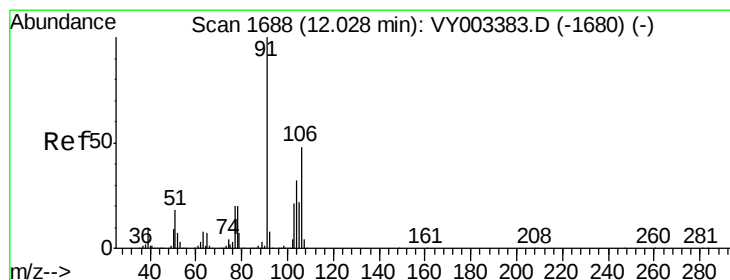
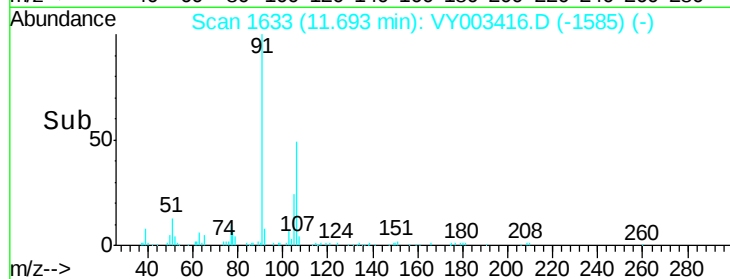
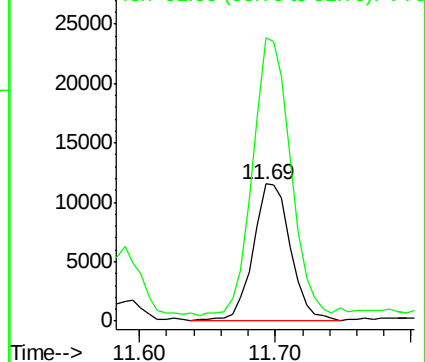
106 100

91 203.4 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.289 ug/l

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY003416.D

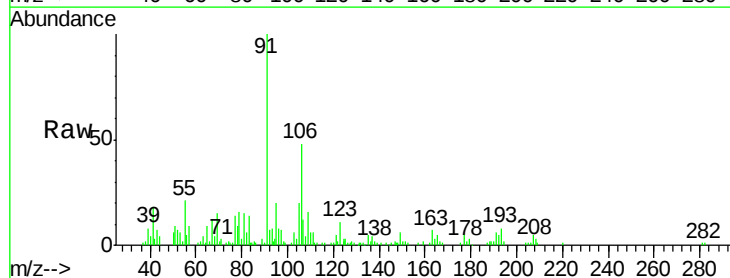
Acq: 03 Aug 2020 14:51

Tgt Ion:106 Resp: 10597

Ion Ratio Lower Upper

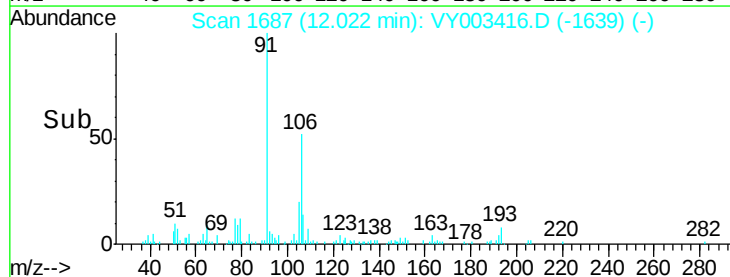
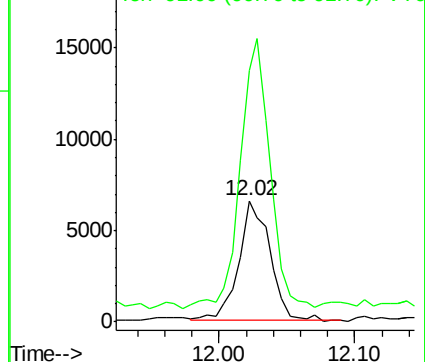
106 100

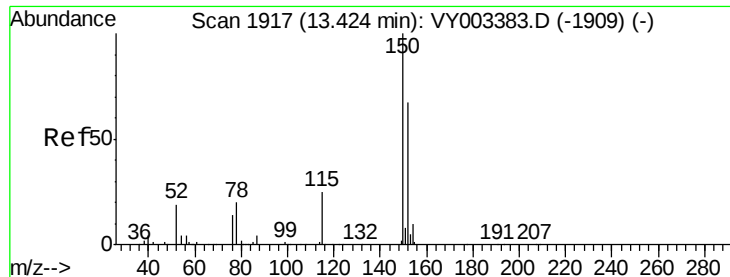
91 210.7 104.6 313.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



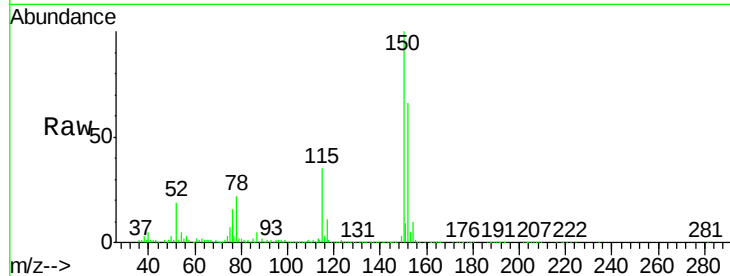


#72

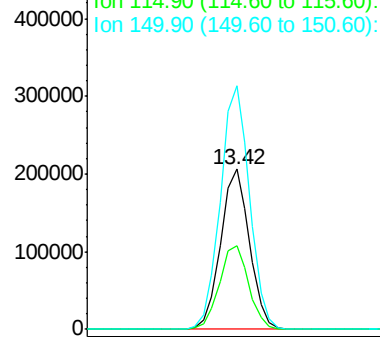
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003416.D
Acq: 03 Aug 2020 14:51

Instrument :
MSVOA_Y
ClientSampleId :
COMP-AB

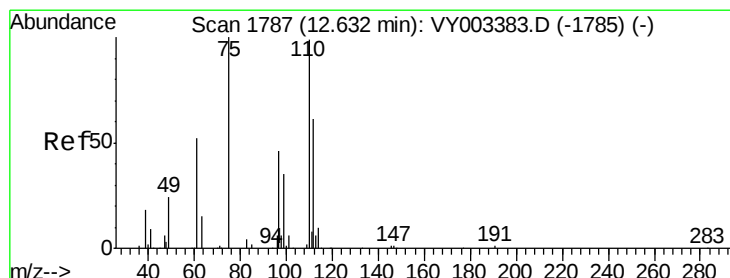
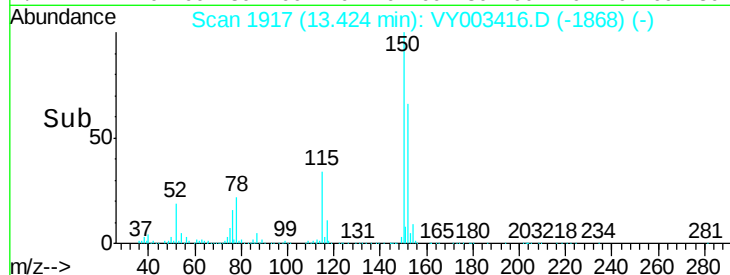
Tot Ion:152 Resp: 306022
Ion Ratio Lower Upper
152 100
115 53.3 27.2 81.5
150 153.6 0.0 346.8



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



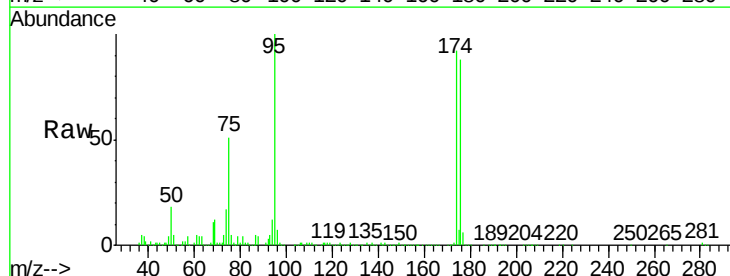
Time-->



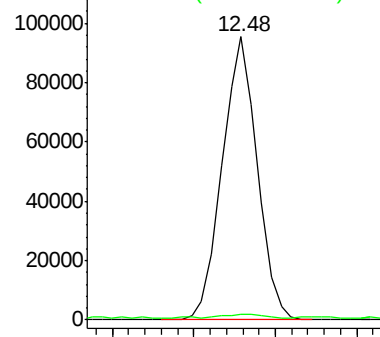
#76

1,2,3-Trichloropropane
Concen: 51.703 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003416.D
Acq: 03 Aug 2020 14:51

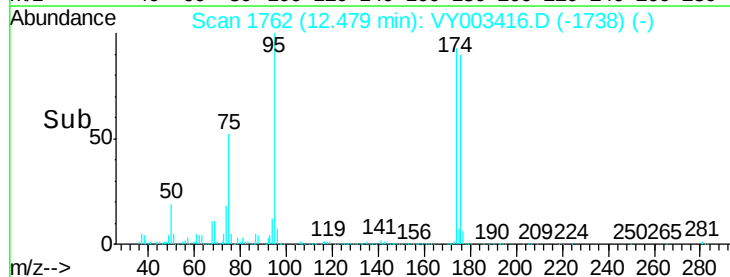
Tgt Ion: 75 Resp: 142139
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

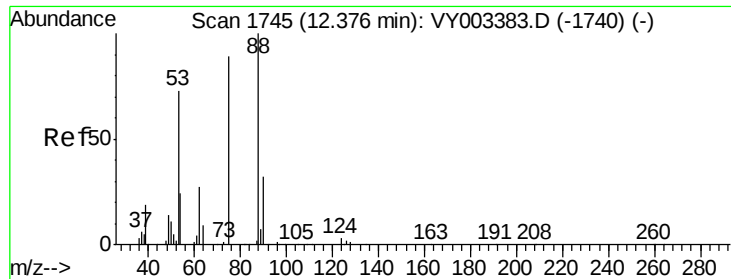


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 97.783 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003416.D

Acq: 03 Aug 2020 14:51

Instrument :

MSVOA_Y

ClientSampleId :

COMP-AB

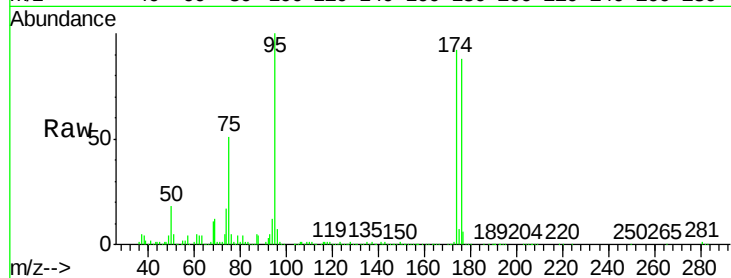
Tot Ion: 75 Resp: 142139

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

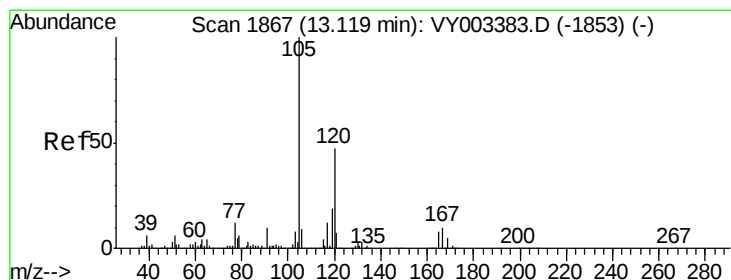
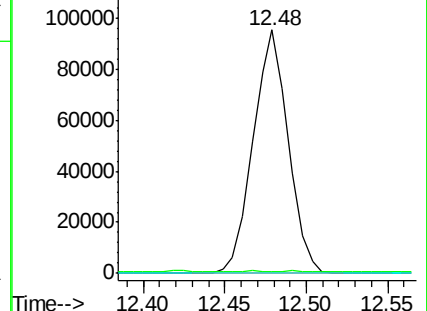
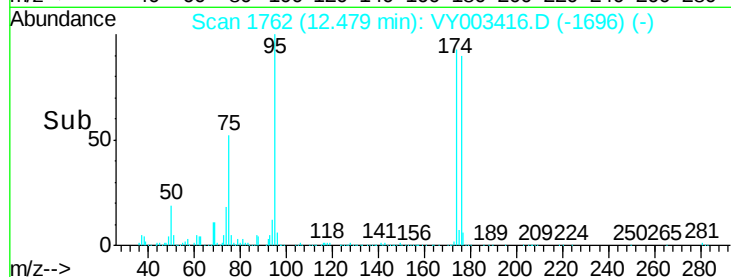
89 0.0 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VY003383.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY003383.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY003383.D (-1740) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.400 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003416.D

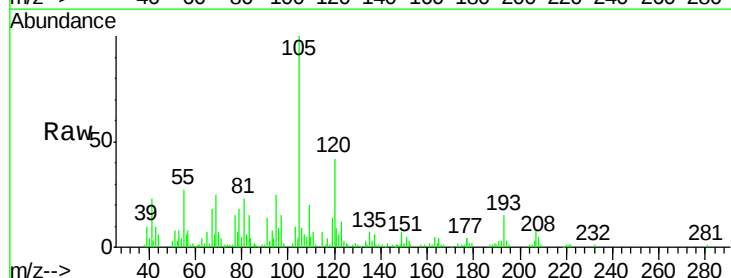
Acq: 03 Aug 2020 14:51

Tgt Ion:105 Resp: 23360

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VY003383.D (-1853) (-)

Ion 120.00 (119.70 to 120.70): VY003383.D (-1853) (-)

