

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002375.D
 Acq On : 16 Apr 2020 18:16
 Operator : SY/MD
 Sample : L2271-02
 Misc : 3.30G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	135505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	259641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	216286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	76132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	71204	47.25	ug/l	0.00
Spiked Amount						
			Recovery	=	94.50%	
35) Dibromofluoromethane	7.74	113	76354	49.42	ug/l	0.00
Spiked Amount						
			Recovery	=	98.84%	
50) Toluene-d8	10.19	98	310484	48.01	ug/l	0.00
Spiked Amount						
			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.49	95	87457	40.99	ug/l	0.00
Spiked Amount						
			Recovery	=	81.98%	

Target Compounds

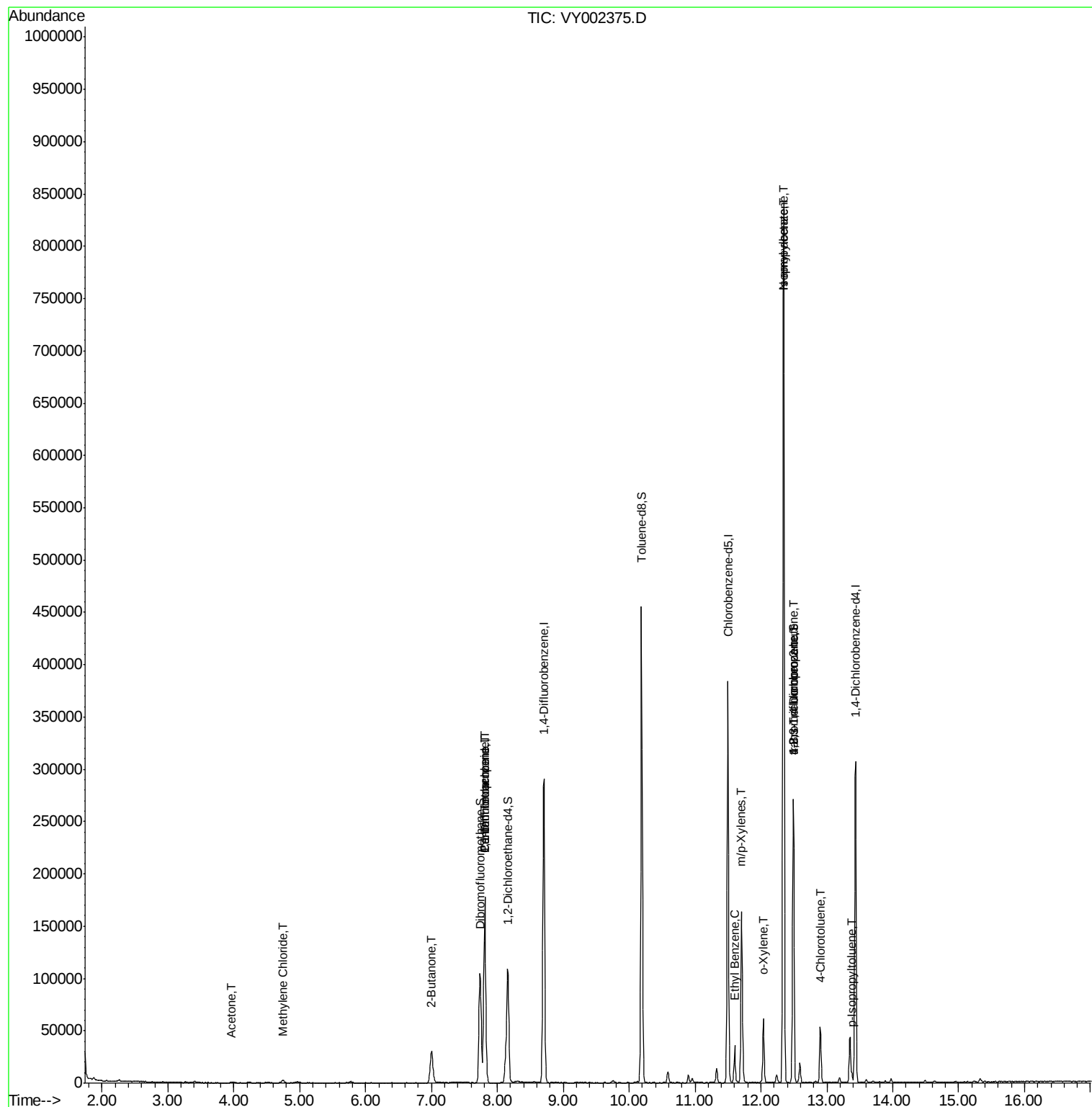
					Qvalue
11) Tert butyl alcohol	4.98	59	1702	Below Cal	# 77
16) Acetone	3.96	43	651	1.640	ug/l 99
20) Methylene Chloride	4.75	84	1978	1.014	ug/l # 83
25) 2-Butanone	6.99	43	1291	2.055	ug/l # 84
36) 1,1-Dichloropropene	7.81	75	11163	4.365	ug/l # 49
38) Carbon Tetrachloride	7.81	117	13456	6.151	ug/l # 17
67) Ethyl Benzene	11.60	91	24728	3.004	ug/l 97
68) m/p-Xylenes	11.70	106	50821	16.486	ug/l 96
69) o-Xylene	12.04	106	16702	5.771	ug/l 99
73) Isopropylbenzene	12.34	105	33417	5.587	ug/l # 59
74) N-amyl acetate	12.34	43	16592	9.773	ug/l # 14
76) 1,2,3-Trichloropropane	12.49	75	41279	46.692	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	41279	90.816	ug/l # 19
82) 4-Chlorotoluene	12.90	91	6040	1.426	ug/l # 41
86) p-Isopropyltoluene	13.38	119	5718	1.076	ug/l # 76

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

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Quant Time: Apr 17 07:07:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_Y

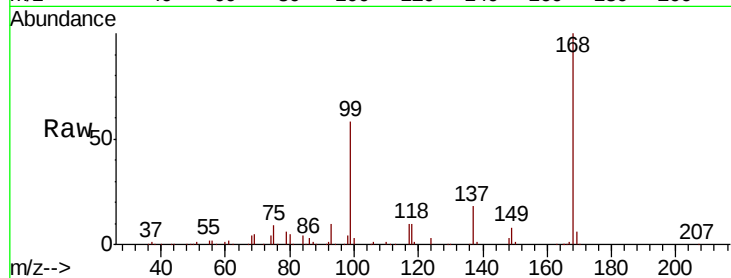
ClientSampleId :

Tot Ion:168 Resp: 135505

Ion Ratio Lower Upper

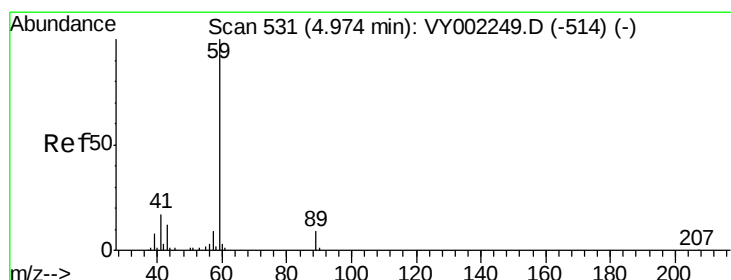
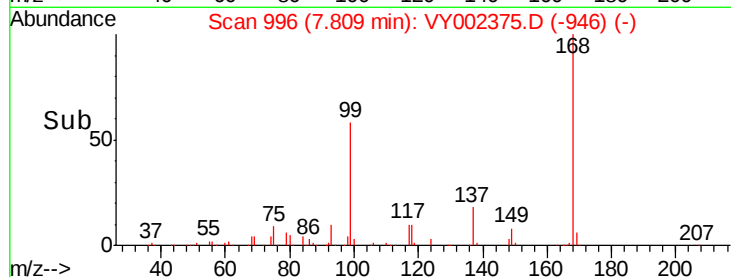
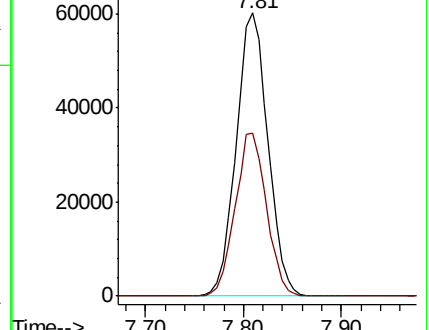
168 100

99 57.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002375.D

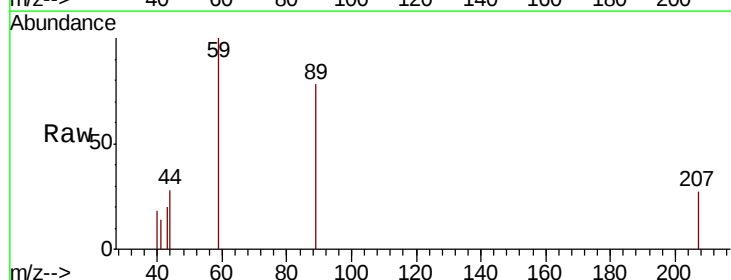
Acq: 16 Apr 2020 18:16

Tgt Ion: 59 Resp: 1702

Ion Ratio Lower Upper

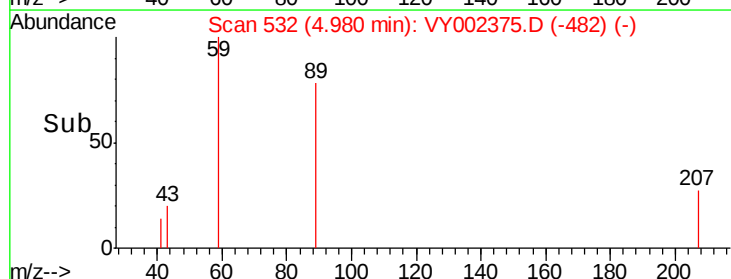
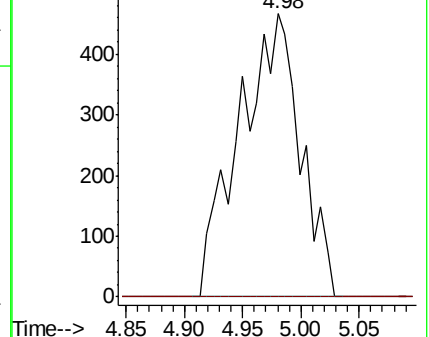
59 100

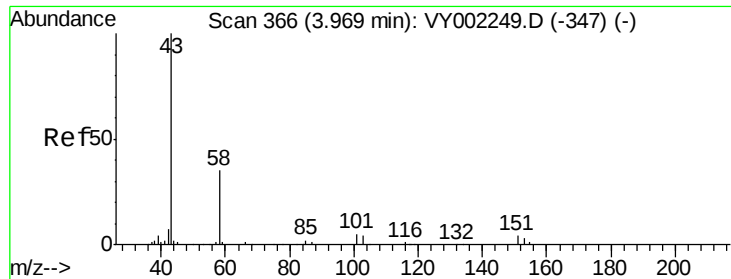
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 1.640 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_Y

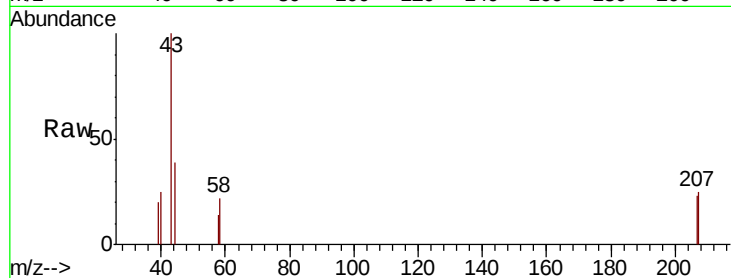
ClientSampleId :

Tot Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 36.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

400

300

200

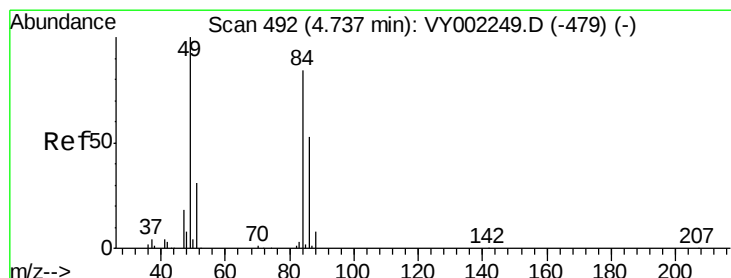
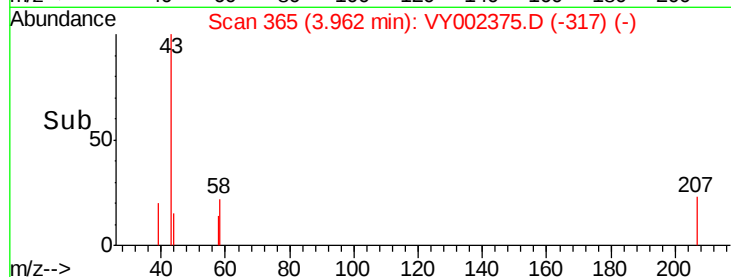
100

0

Time--> 3.90

3.95

4.00



#20

Methylene Chloride

Concen: 1.014 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Tgt Ion: 84 Resp: 1978

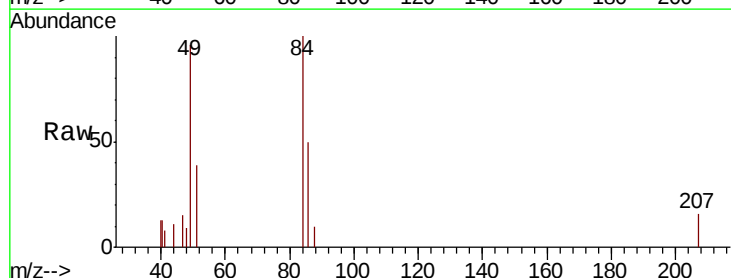
Ion Ratio Lower Upper

84 100

49 95.6 95.5 143.3

51 39.5 29.5 44.3

86 50.2 50.7 76.1#



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

1000

500

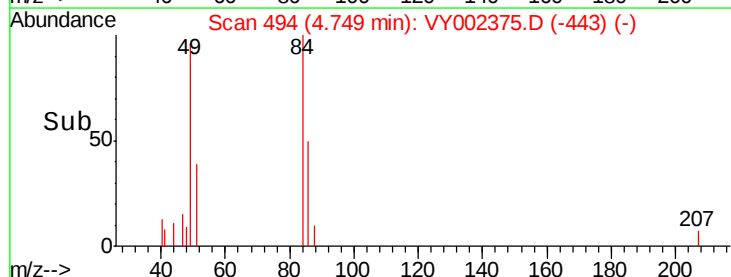
0

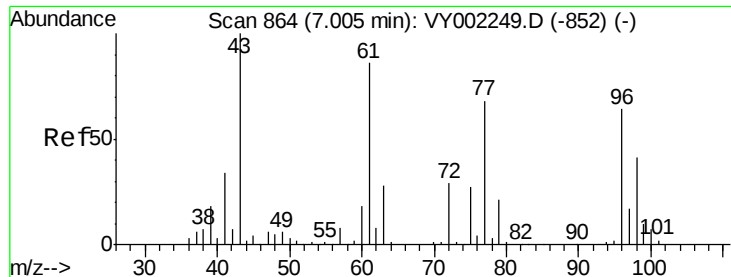
Time--> 4.65

4.70

4.75

4.80

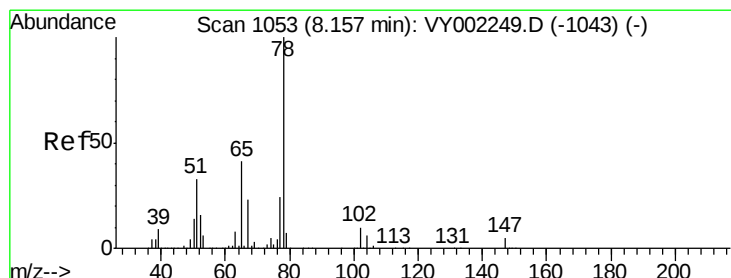
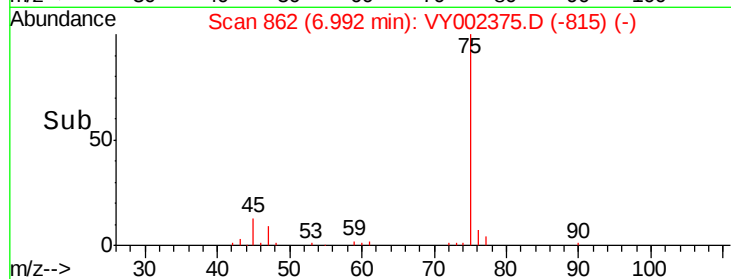
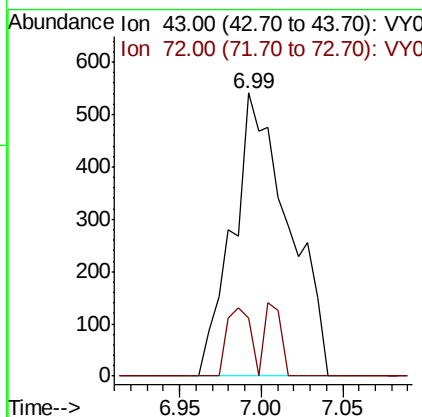
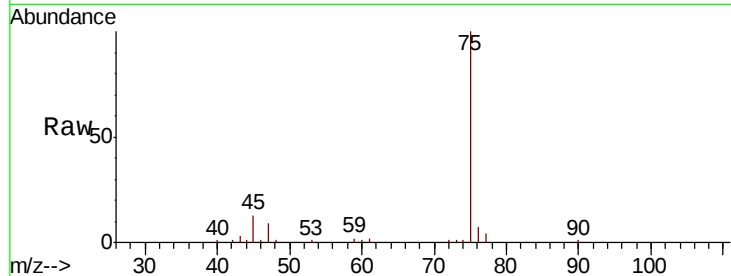




#25
 2-Butanone
 Concen: 2.055 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002375.D
 Acq: 16 Apr 2020 18:16

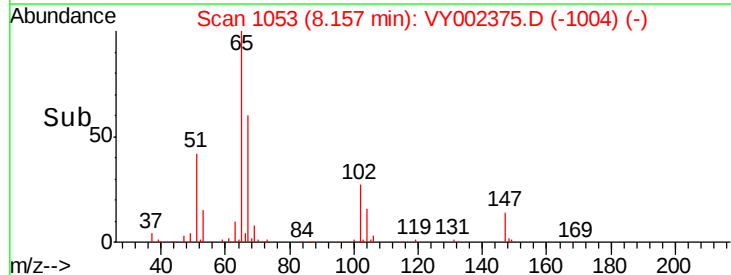
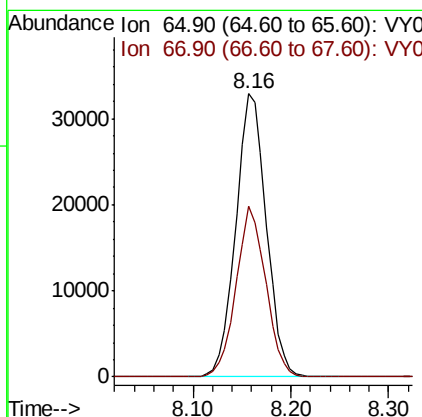
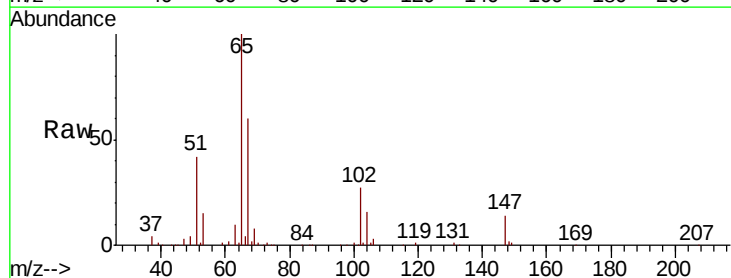
Instrument :
 MSVOA_Y
 ClientSampled :

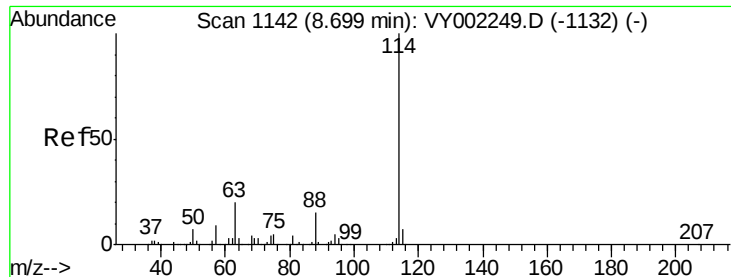
Tot Ion: 43 Resp: 1291
 Ion Ratio Lower Upper
 43 100
 72 20.7 23.2 34.8#



#33
 1,2-Dichloroethane-d4
 Concen: 47.252 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002375.D
 Acq: 16 Apr 2020 18:16

Tgt Ion: 65 Resp: 71204
 Ion Ratio Lower Upper
 65 100
 67 58.5 0.0 114.0

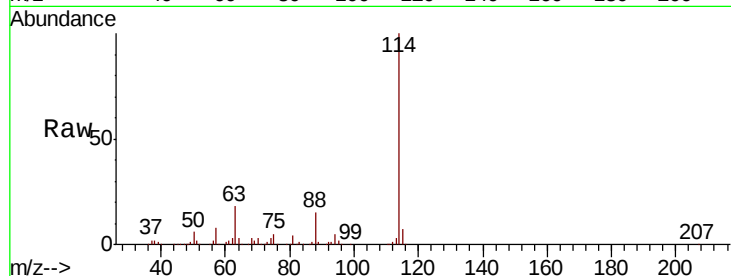




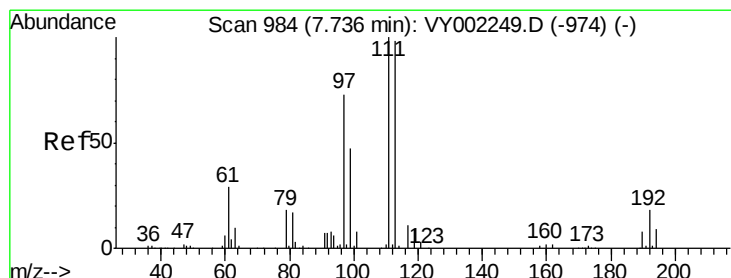
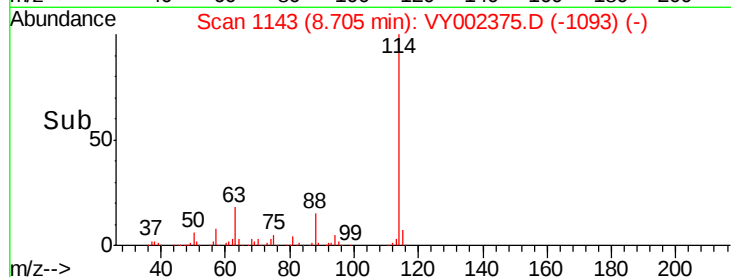
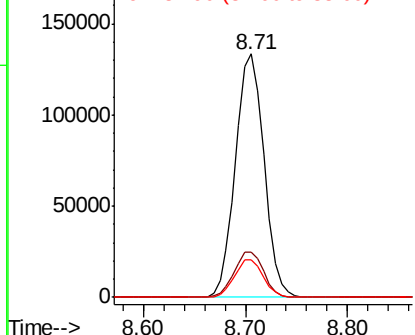
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.0
88	15.4	0.0	31.0

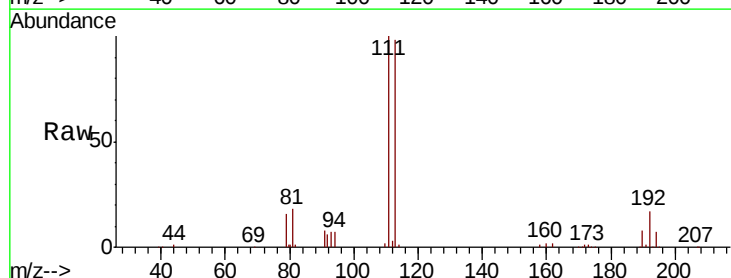


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

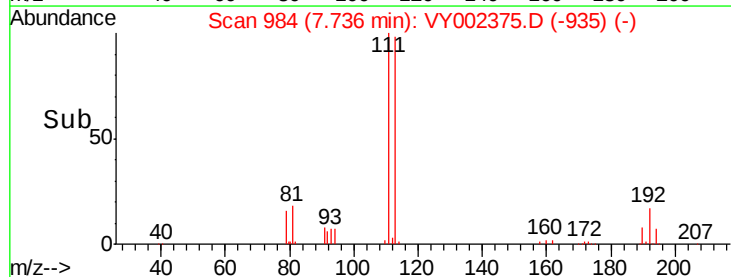
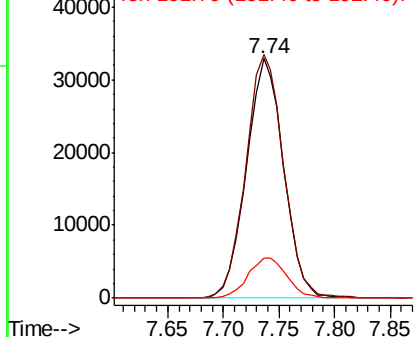


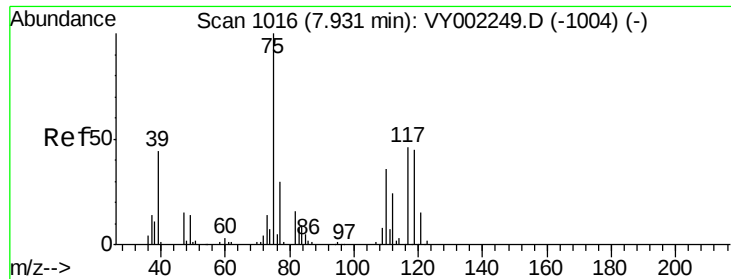
#35
Dibromofluoromethane
Concen: 49.422 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.5	125.3
192	17.6	14.7	22.1



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

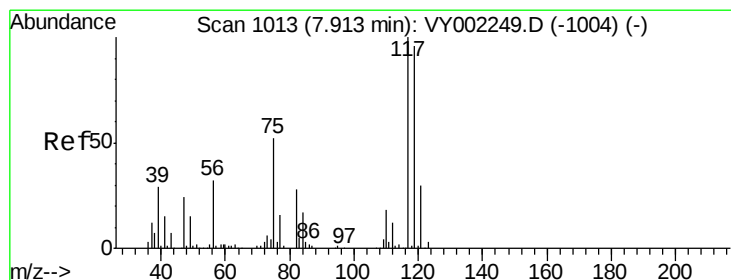
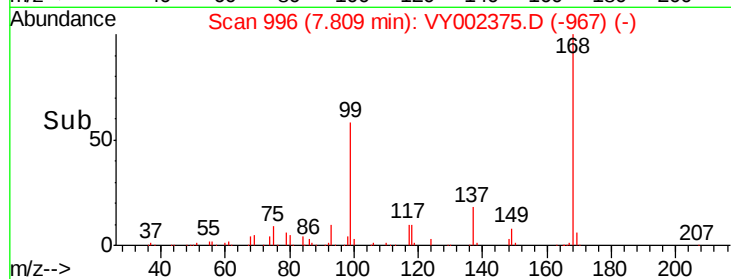
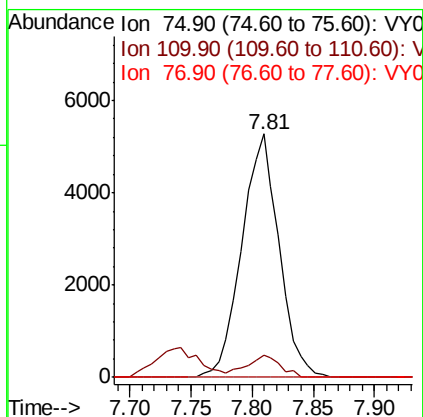
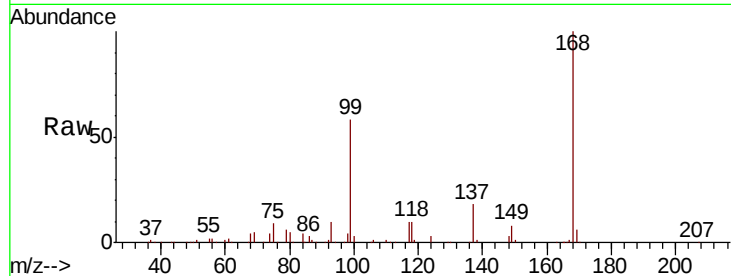




#36
 1,1-Dichloropropene
 Concen: 4.365 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002375.D
 Acq: 16 Apr 2020 18:16

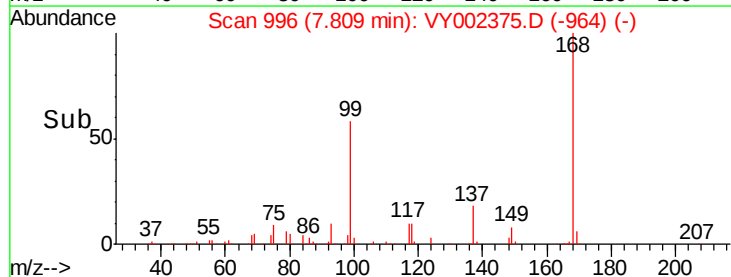
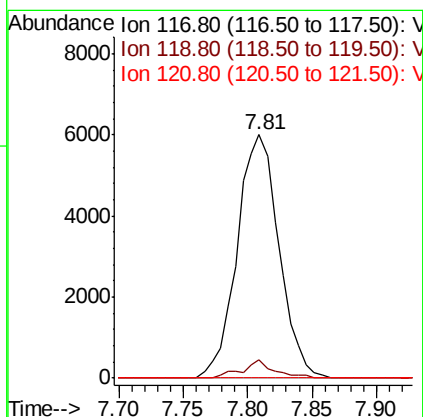
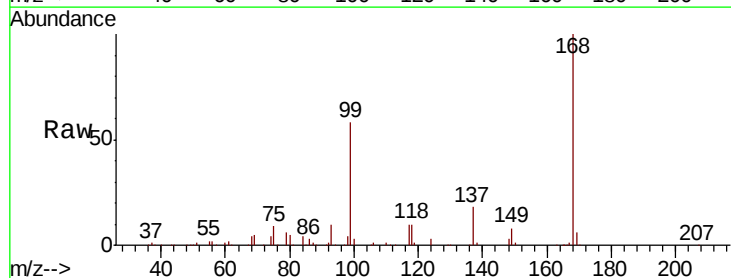
Instrument :
 MSVOA_Y
 ClientSampleId :

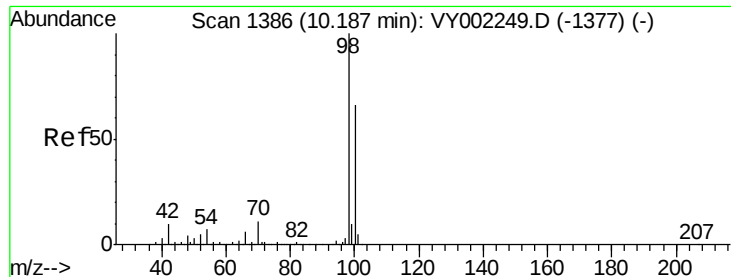
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002375.D
 Acq: 16 Apr 2020 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.014 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_Y

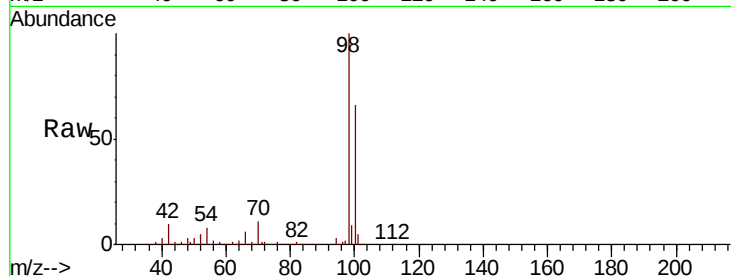
ClientSampleId :

Tot Ion: 98 Resp: 310484

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

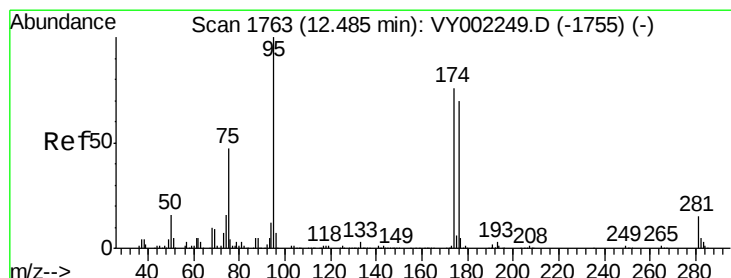
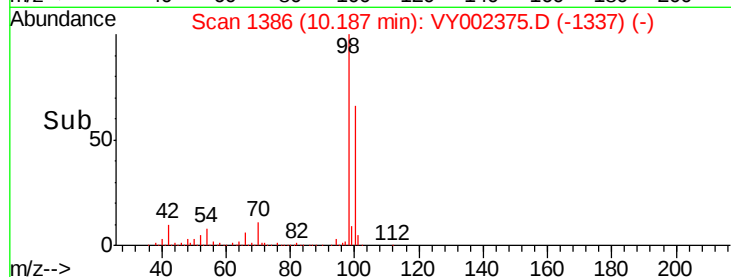
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.994 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

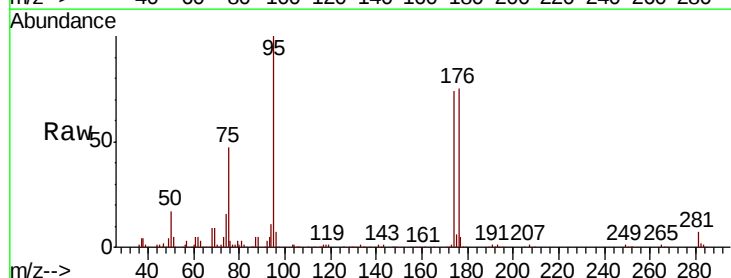
Tgt Ion: 95 Resp: 87457

Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.6

176 71.6 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

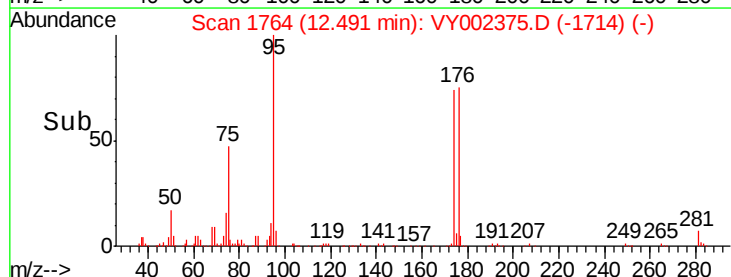
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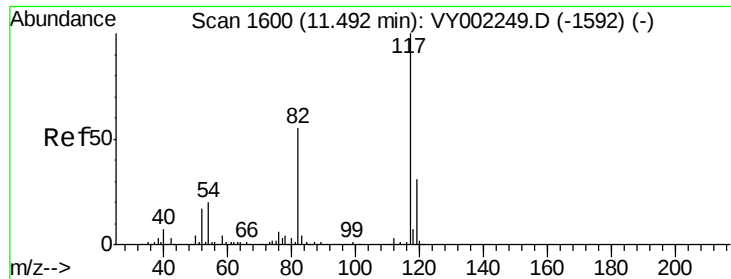
40000

20000

0

Time-->

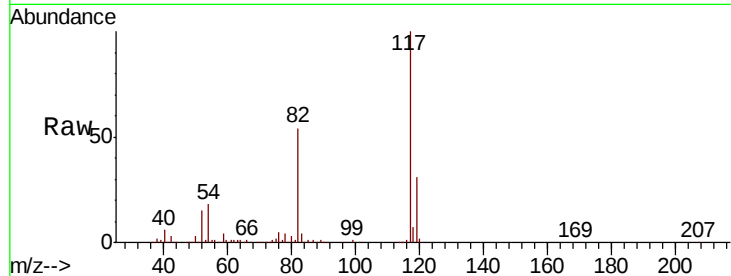




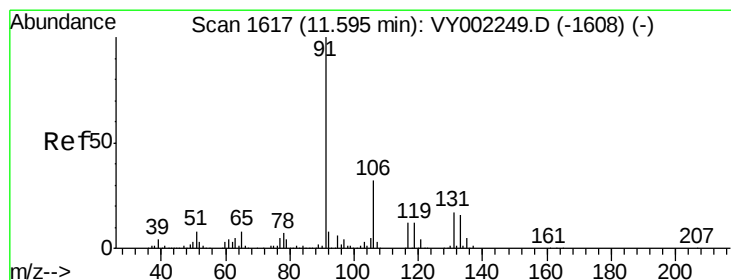
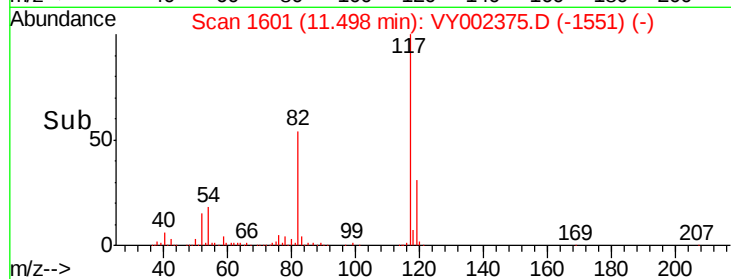
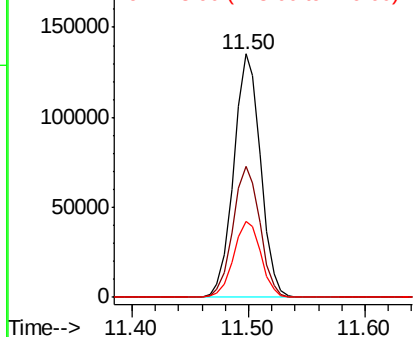
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 216286
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.4
119 31.0 25.1 37.7

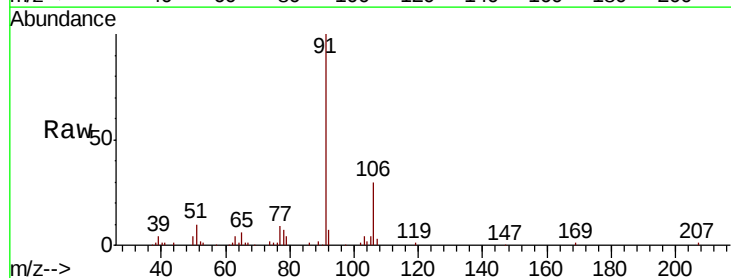


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

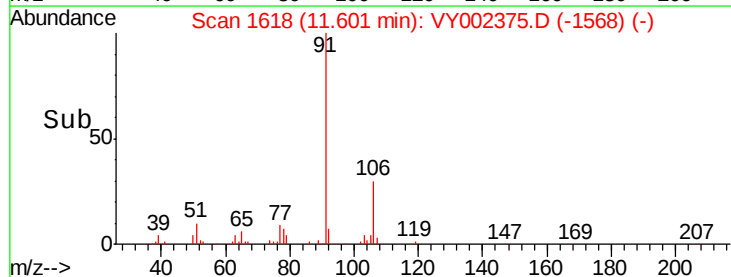
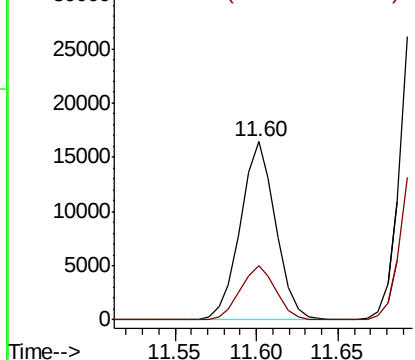


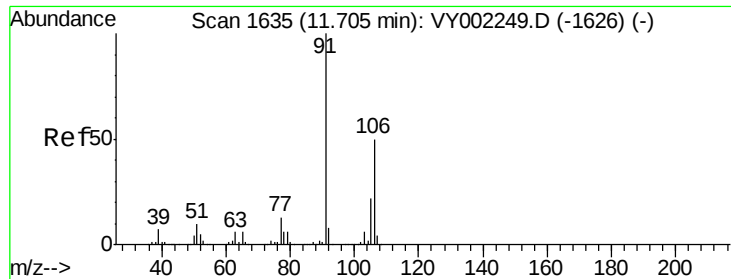
#67
Ethyl Benzene
Concen: 3.004 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Tgt Ion: 91 Resp: 24728
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.0



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

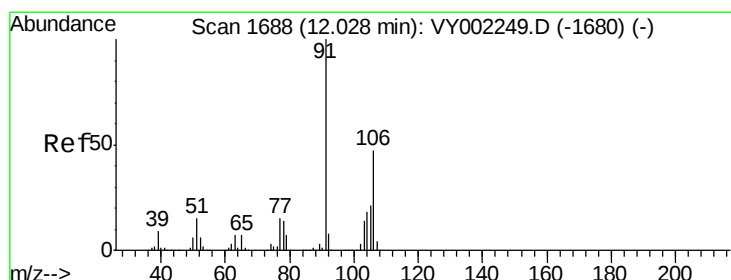
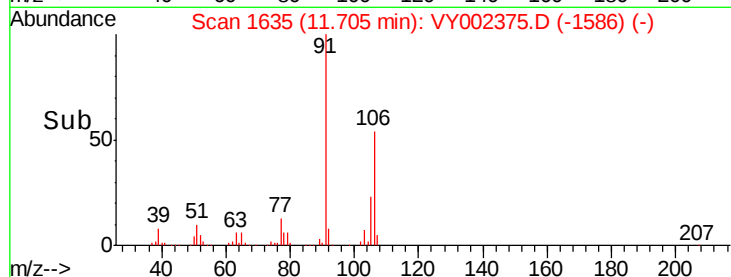
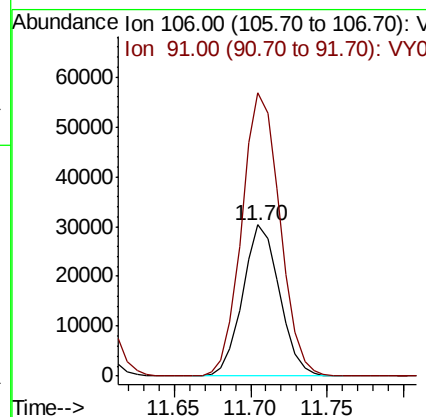
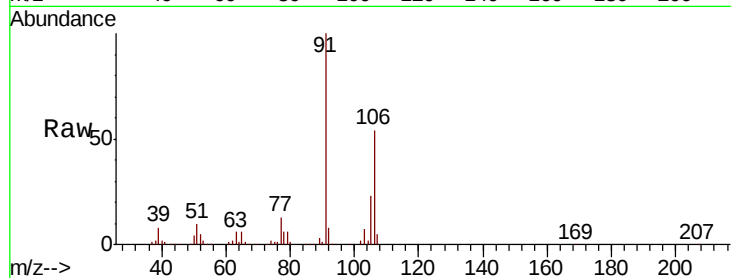




#68
m/p-Xvlenes
Concen: 16.486 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

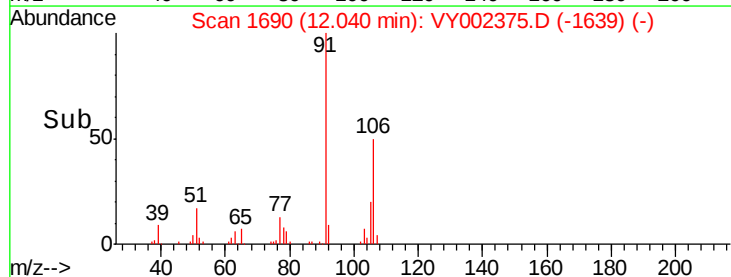
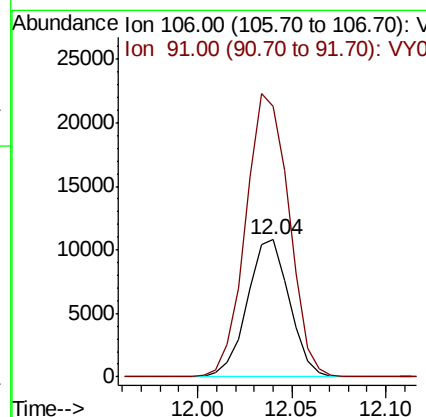
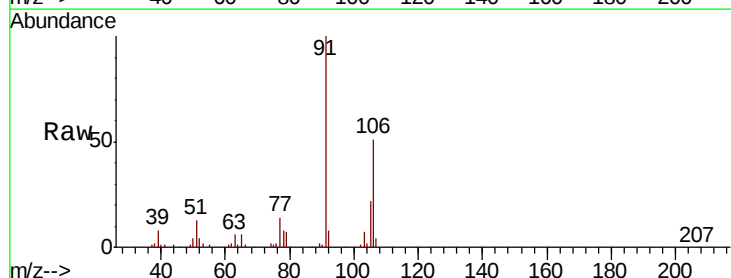
Instrument :
MSVOA_Y
ClientSampleId :

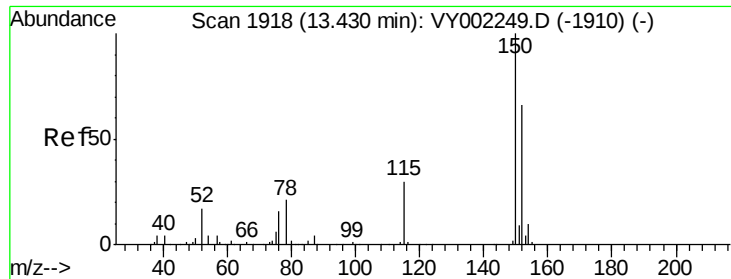
Tot Ion:106 Resp: 50821
Ion Ratio Lower Upper
106 100
91 193.6 159.8 239.6



#69
o-Xylene
Concen: 5.771 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Tgt Ion:106 Resp: 16702
Ion Ratio Lower Upper
106 100
91 212.8 105.8 317.3



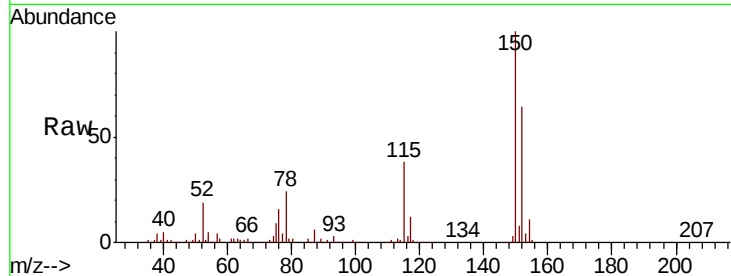


#72

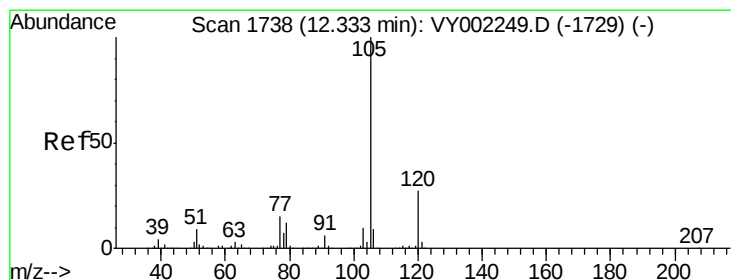
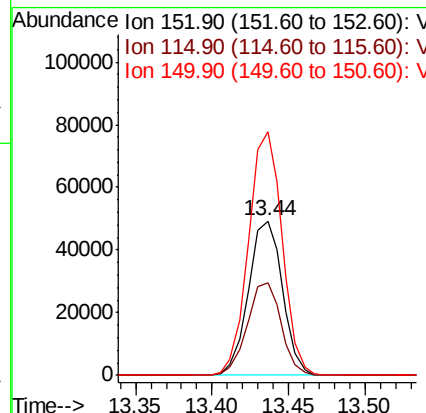
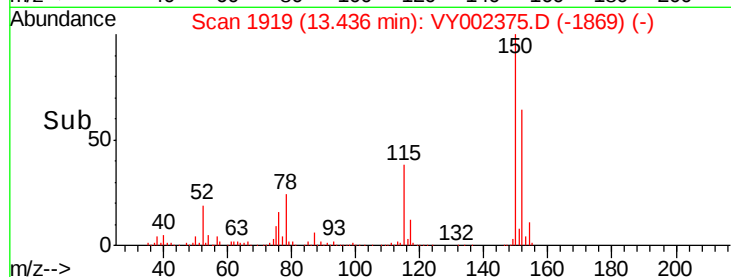
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 76132
Ion Ratio Lower Upper
152 100
115 60.0 30.7 92.1
150 155.7 0.0 350.6



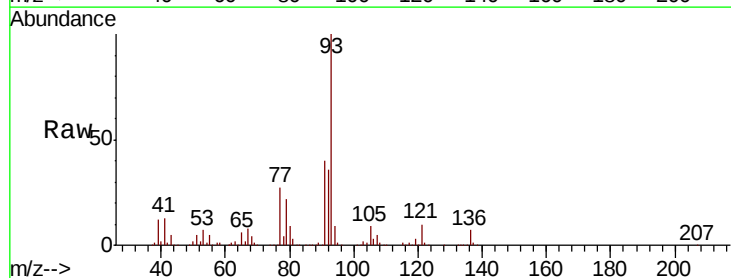
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



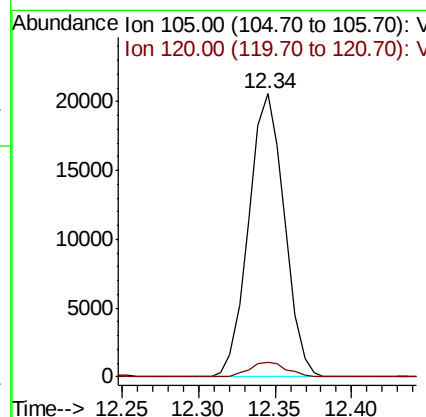
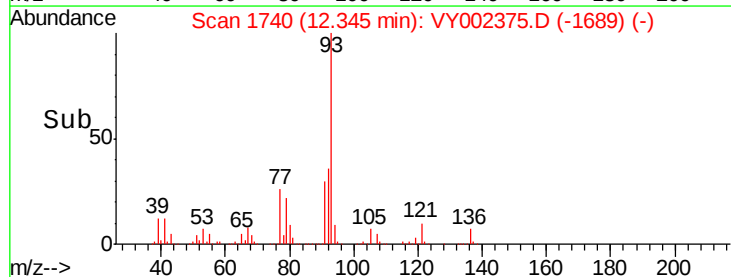
#73

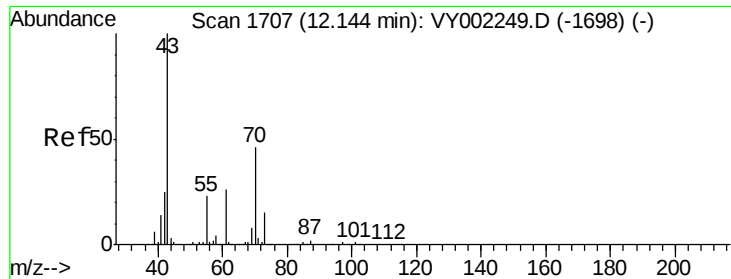
Isopropylbenzene
Concen: 5.587 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Tgt Ion:105 Resp: 33417
Ion Ratio Lower Upper
105 100
120 5.4 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

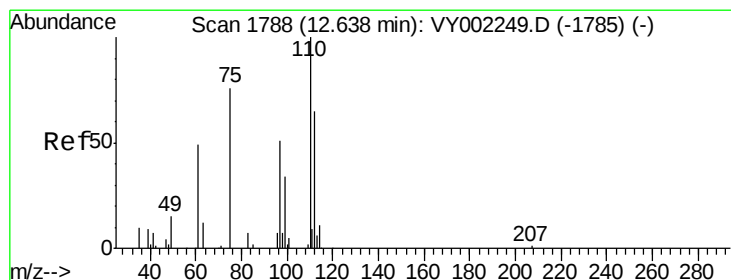
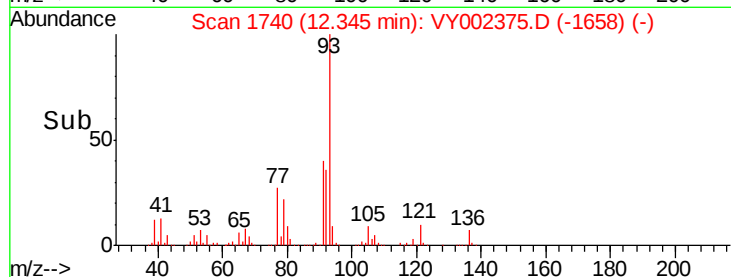
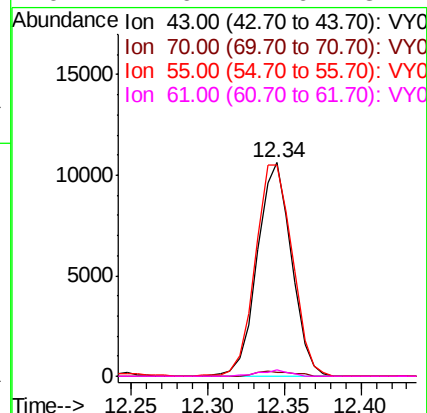
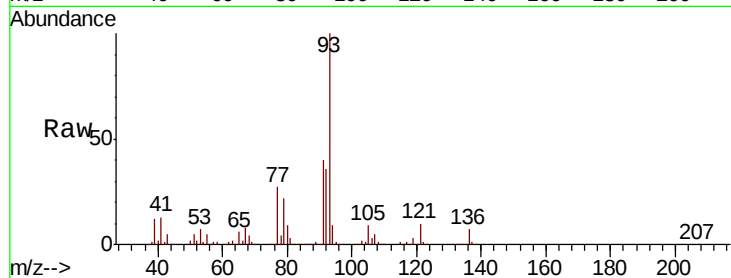




#74
N-amvl acetate
Concen: 9.773 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.20 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

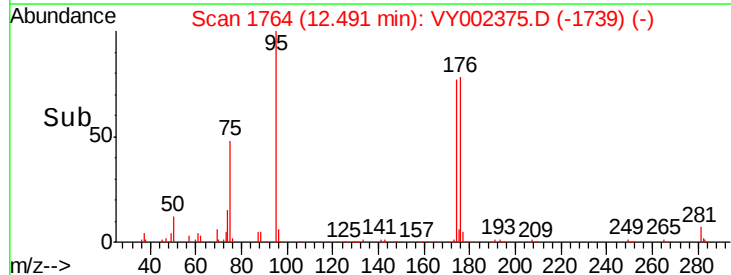
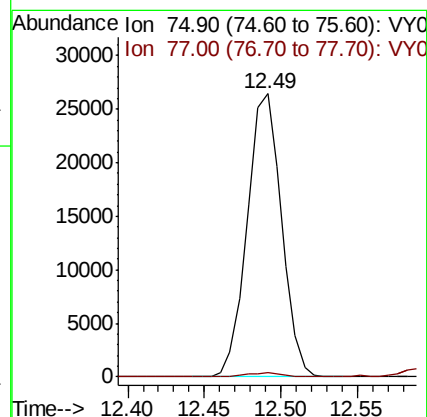
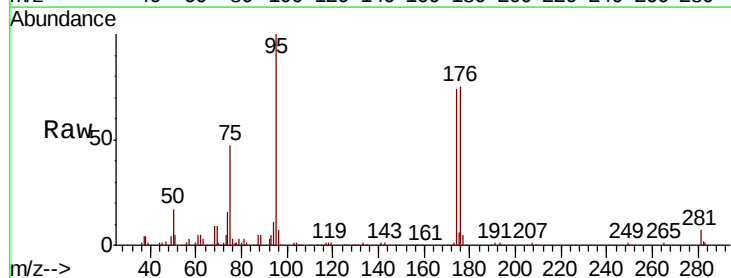
Instrument :
MSVOA_Y
ClientSampleId :

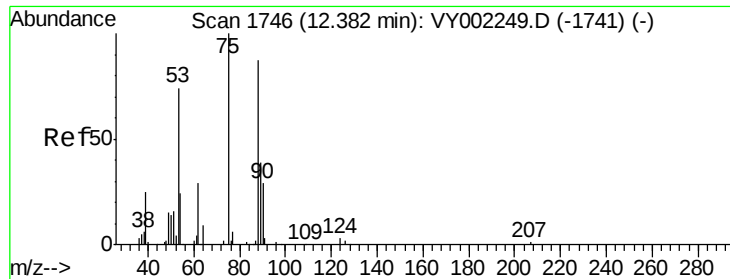
Tot Ion: 43 Resp: 16592
Ion Ratio Lower Upper
43 100
70 2.6 37.5 56.3#
55 106.9 19.0 28.6#
61 2.6 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 46.692 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002375.D
Acq: 16 Apr 2020 18:16

Tgt Ion: 75 Resp: 41279
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 90.816 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

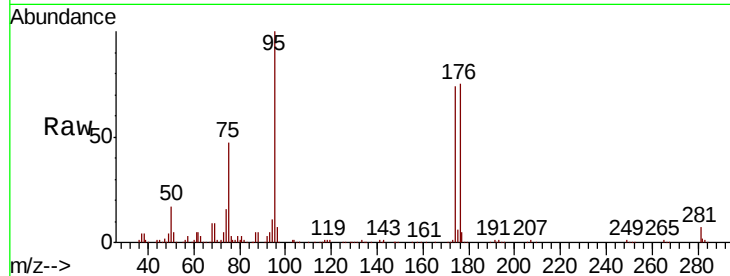
Tot Ion: 75 Resp: 41279

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

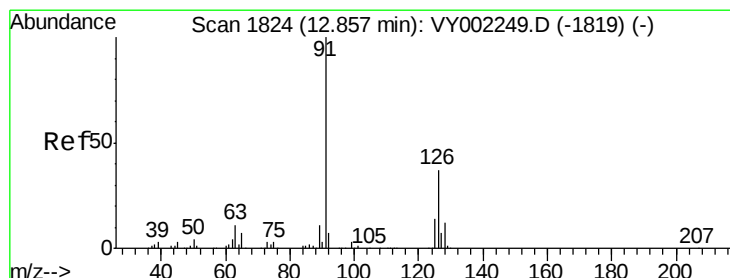
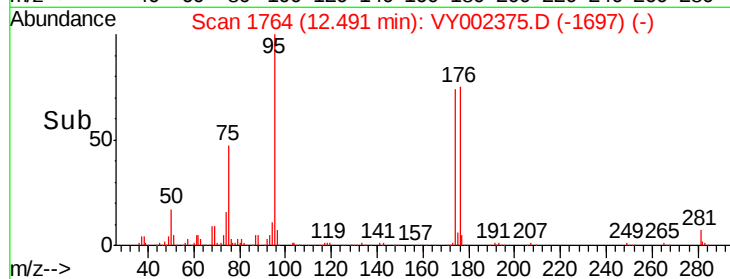
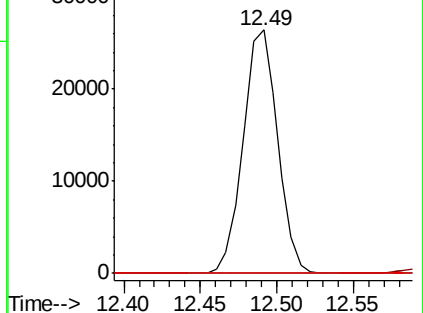
89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 1.426 ug/l

RT: 12.90 min Scan# 1831

Delta R.T. 0.04 min

Lab File: VY002375.D

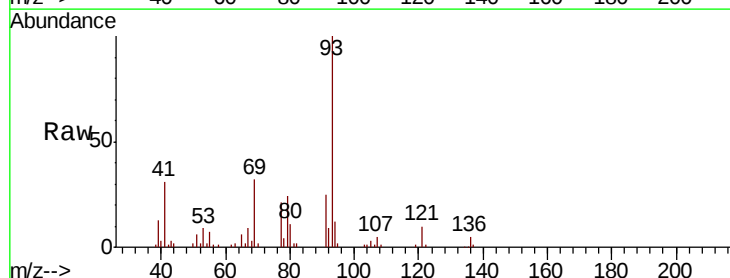
Acq: 16 Apr 2020 18:16

Tgt Ion: 91 Resp: 6040

Ion Ratio Lower Upper

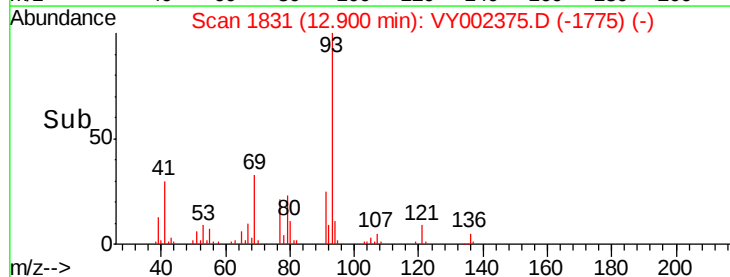
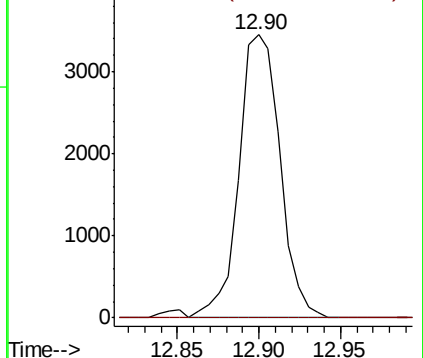
91 100

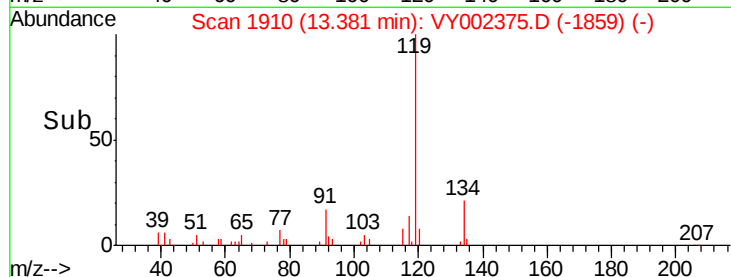
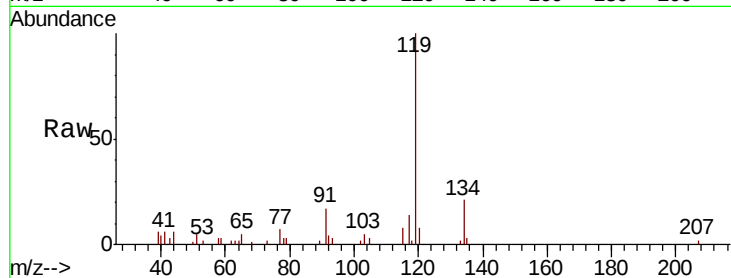
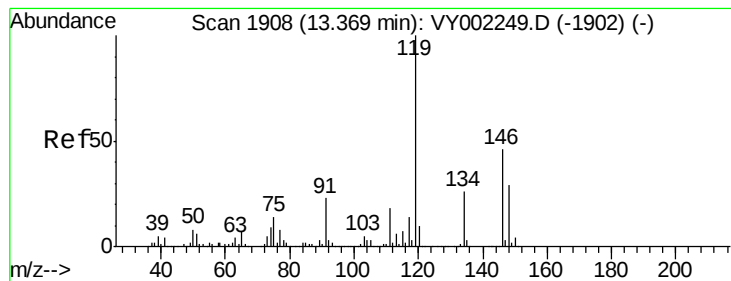
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#86

p-Isopropyltoluene

Concen: 1.076 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002375.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:119 Resp: 5718

Ion Ratio Lower Upper

119 100

134 28.3 13.3 39.9

91 0.0 11.5 34.4#

