

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001139.D
 Acq On : 02 Jan 2020 17:09
 Operator : SY/MD
 Sample : K6476-02
 Misc : 7.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB454_191227-14-16

Quant Time: Jan 02 23:41:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 13:16:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	286822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	369362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201519	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	120236	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	7.73	113	132865	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	10.18	98	454613	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.48	95	228719	59.92	ug/l	0.00
Spiked Amount			Recovery	=	119.84%	

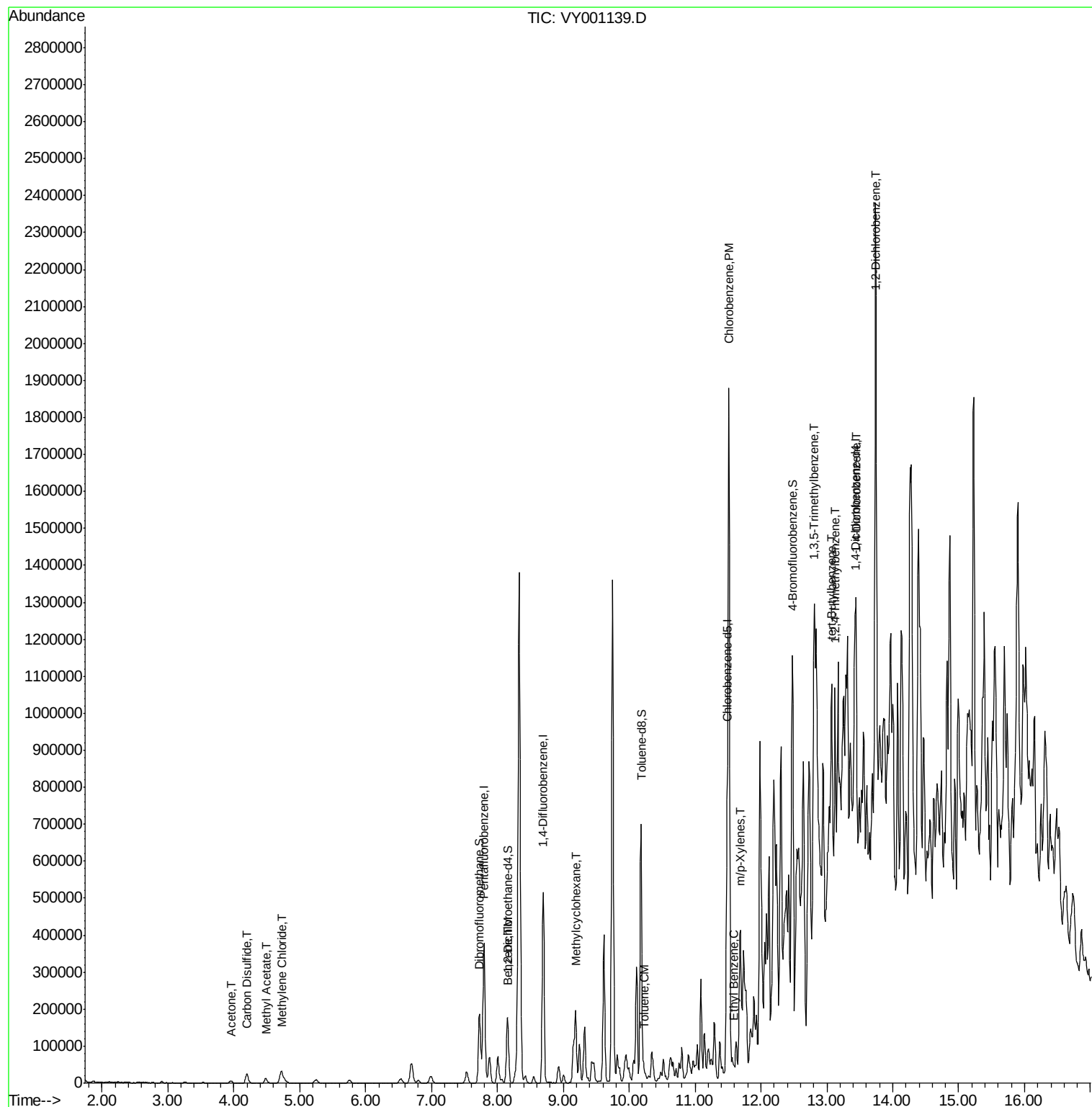
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	7928	37.547	ug/l	89
17) Carbon Disulfide	4.19	76	55201	9.459	ug/l	100
18) Methyl Acetate	4.49	43	22629	16.963	ug/l	93
20) Methylene Chloride	4.73	84	22648	7.206	ug/l #	83
39) Methylcyclohexane	9.18	83	68876	11.802	ug/l #	85
40) Benzene	8.17	78	39037	3.010	ug/l	91
52) Toluene	10.24	92	9833	1.245	ug/l	93
65) Chlorobenzene	11.52	112	1062779	135.290	ug/l	99
67) Ethyl Benzene	11.59	91	15151	1.107	ug/l	91
68) m/p-Xylenes	11.69	106	13938	2.575	ug/l	86
80) 1,3,5-Trimethylbenzene	12.81	105	24226	1.884	ug/l	92
83) tert-Butylbenzene	13.07	119	63297	5.778	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	59721	4.640	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	192040	27.739	ug/l #	78
91) 1,2-Dichlorobenzene	13.73	146	264588	41.953	ug/l #	81

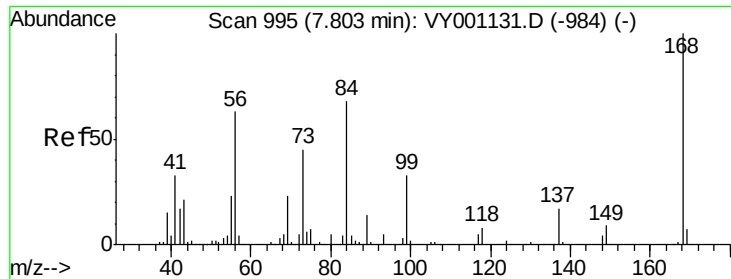
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

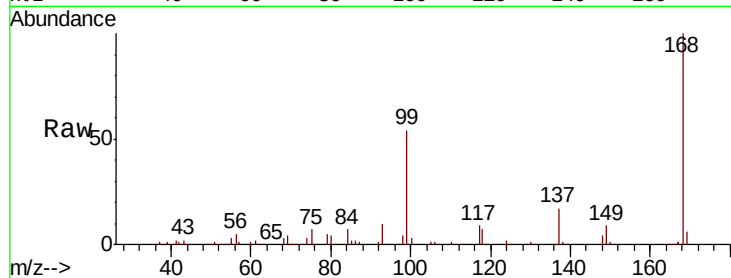
WP022SB454_191227-14-16

Tot Ion:168 Resp: 286822

Ion Ratio Lower Upper

168 100

99 54.5 42.5 63.7



Abundance Ion 167.90 (167.60 to 168.60): VY001139.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY001139.D (-984) (-)

7.80

150000

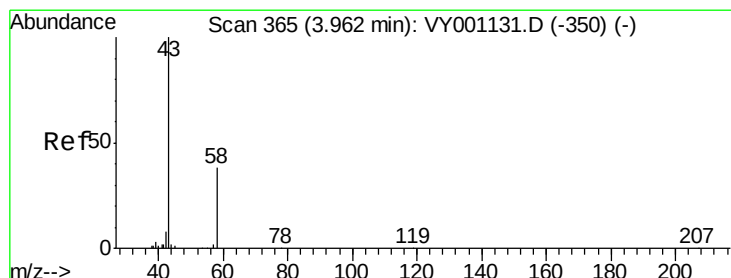
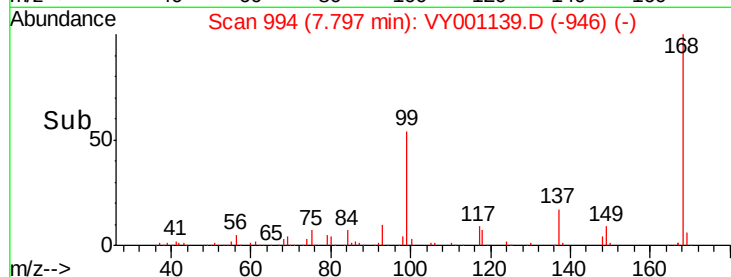
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 37.547 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY001139.D

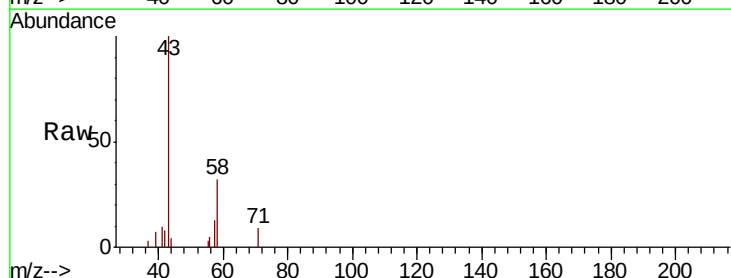
Acq: 02 Jan 2020 17:09

Tgt Ion: 43 Resp: 7928

Ion Ratio Lower Upper

43 100

58 31.8 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VY001139.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY001139.D (-350) (-)

3.96

3000

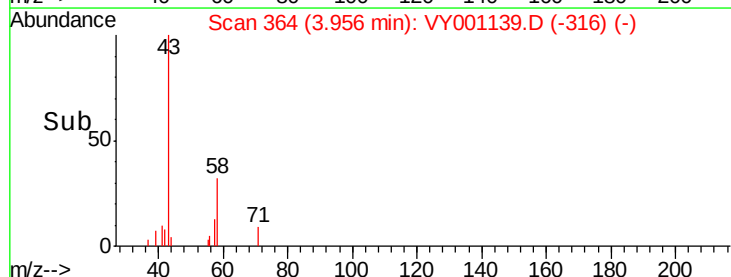
2000

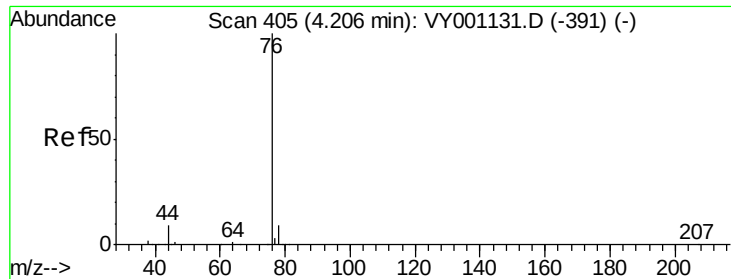
1000

0

3.85 3.90 3.95 4.00 4.05

Time-->

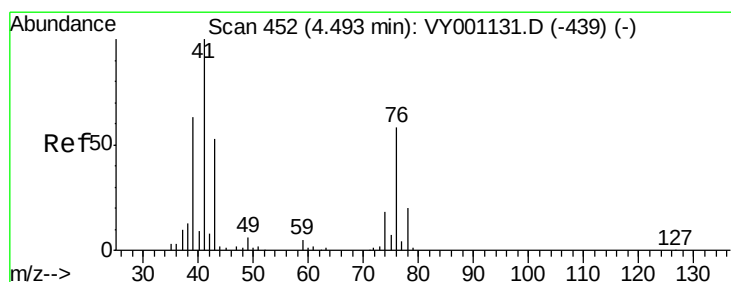
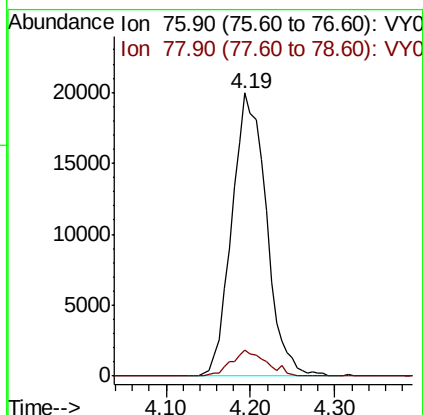
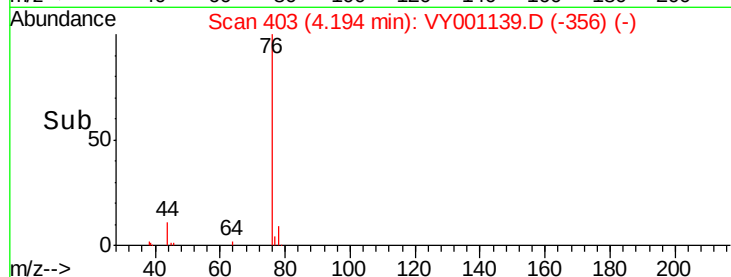
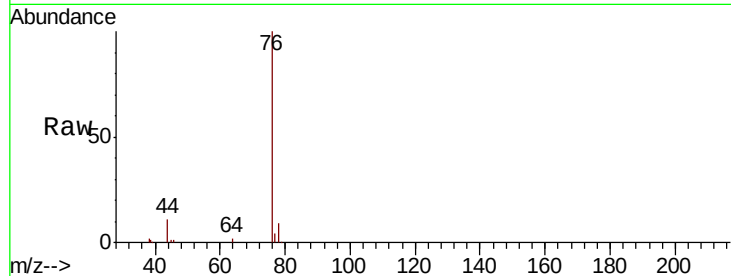




#17
Carbon Disulfide
Concen: 9.459 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

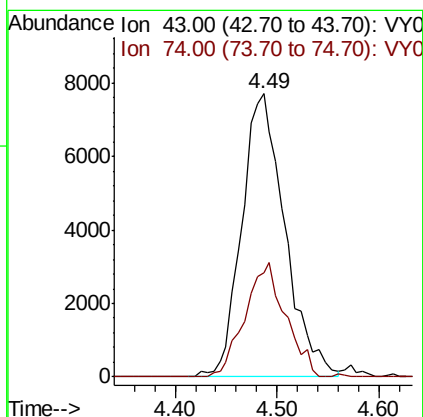
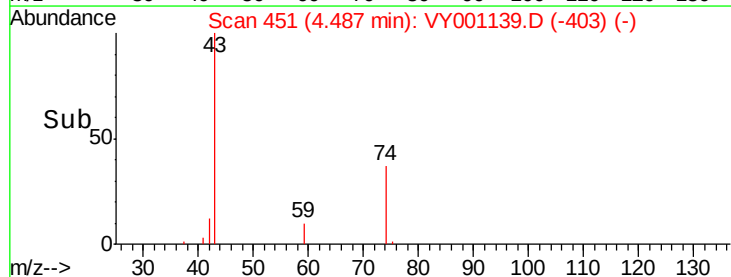
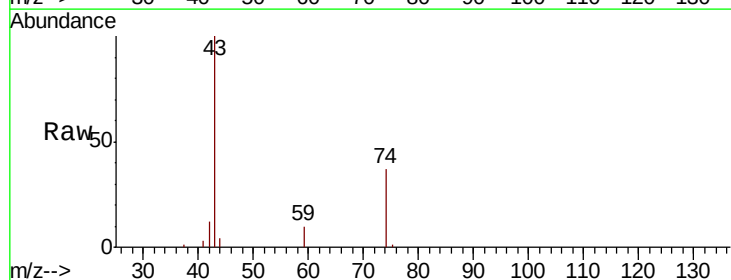
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-14-16

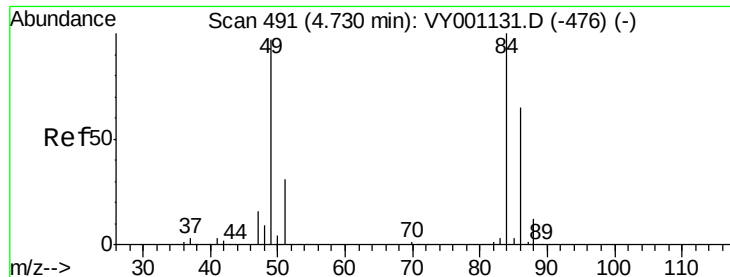
Tot Ion: 76 Resp: 55201
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 16.963 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion: 43 Resp: 22629
Ion Ratio Lower Upper
43 100
74 38.1 27.3 40.9

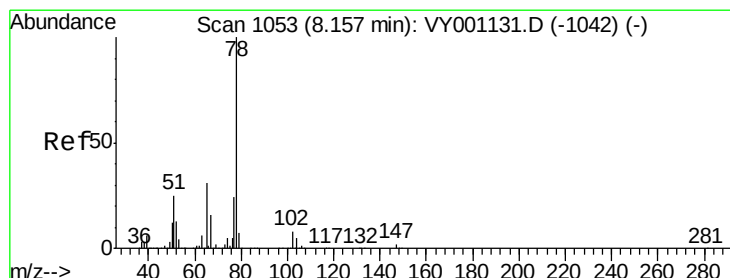
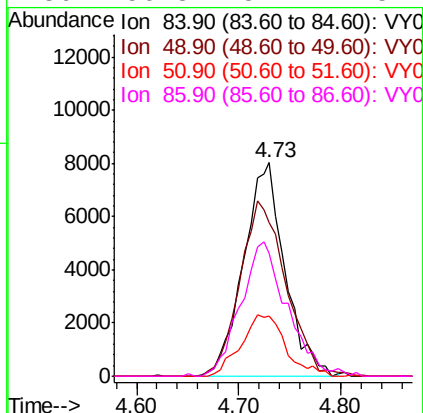
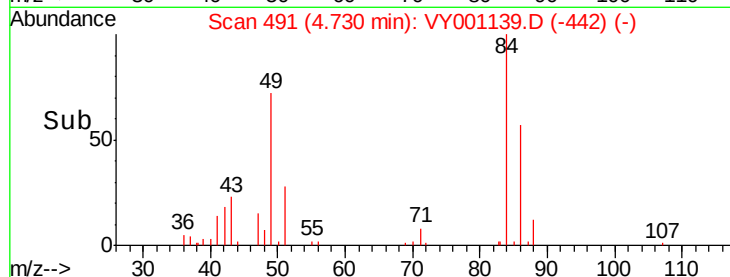
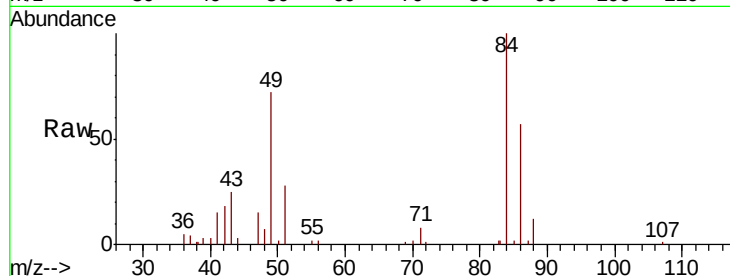




#20
Methylene Chloride
Concen: 7.206 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

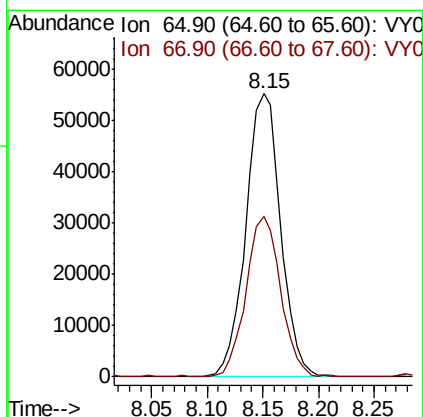
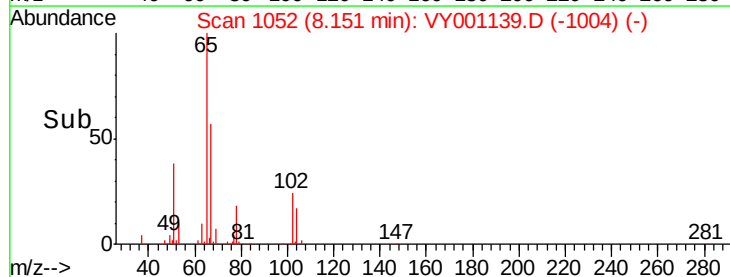
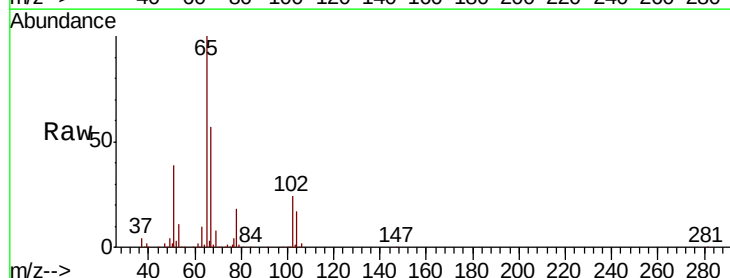
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-14-16

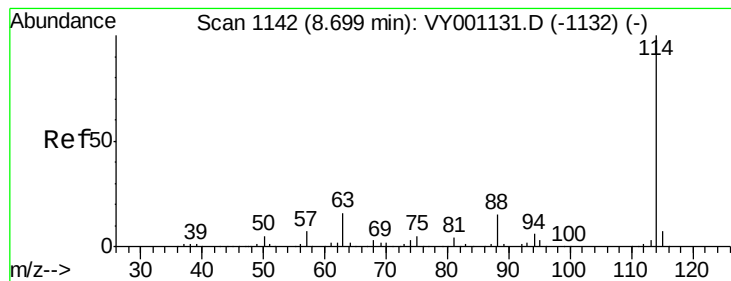
Tot Ion: 84 Resp: 22648
Ion Ratio Lower Upper
84 100
49 71.7 77.5 116.3#
51 28.3 24.7 37.1
86 56.3 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 50.350 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion: 65 Resp: 120236
Ion Ratio Lower Upper
65 100
67 56.3 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-14-16

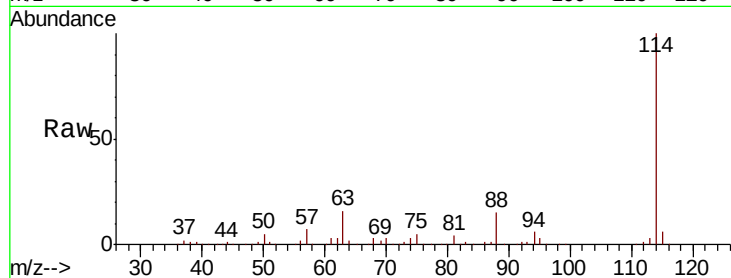
Tot Ion:114 Resp: 482800

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.0

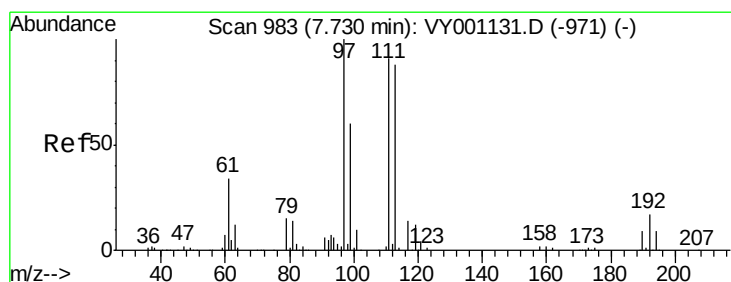
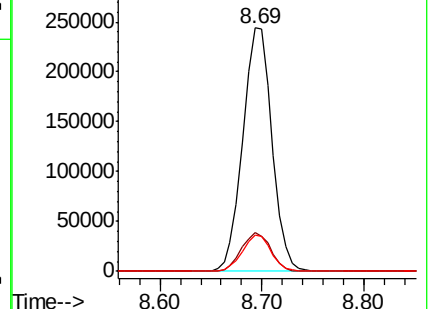
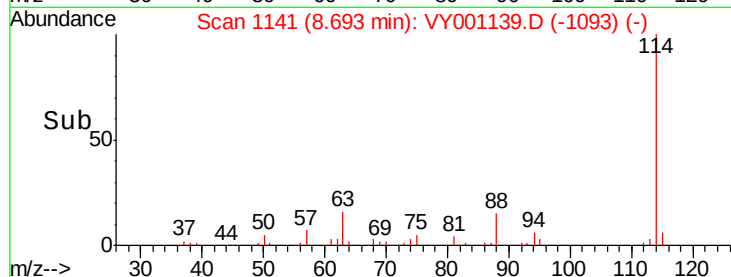
88 14.9 0.0 30.0



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: 48.395 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

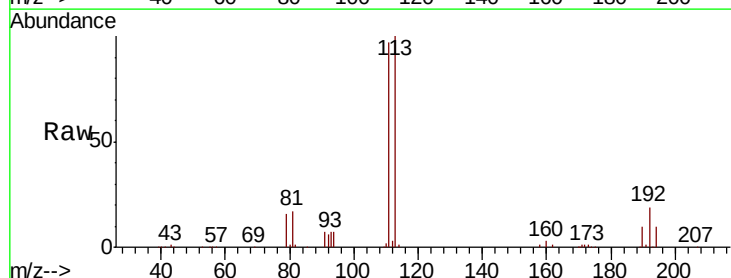
Tgt Ion:113 Resp: 132865

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

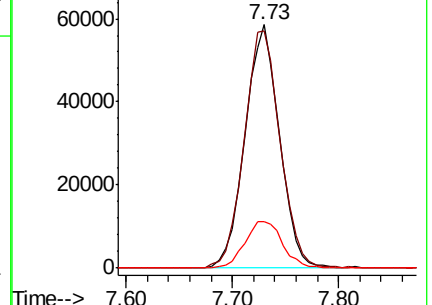
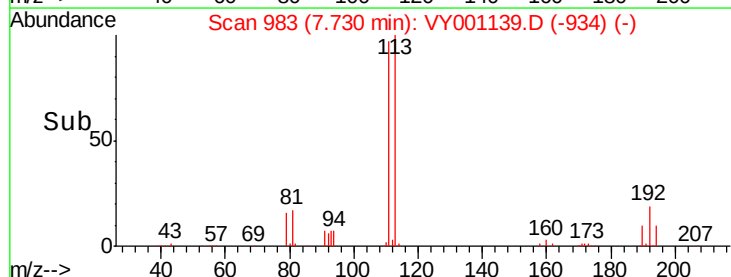
192 20.8 16.4 24.6

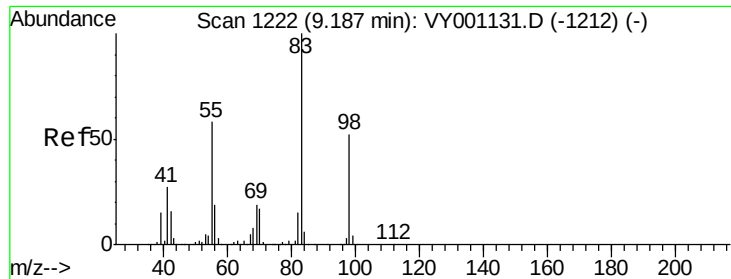


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

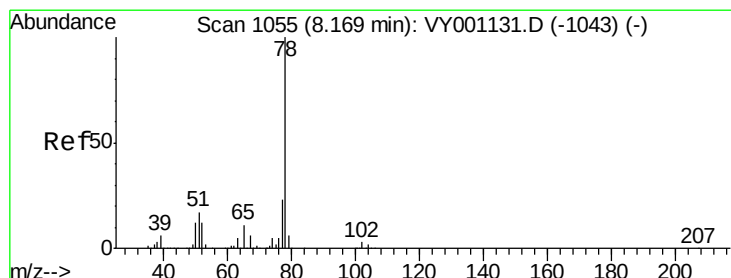
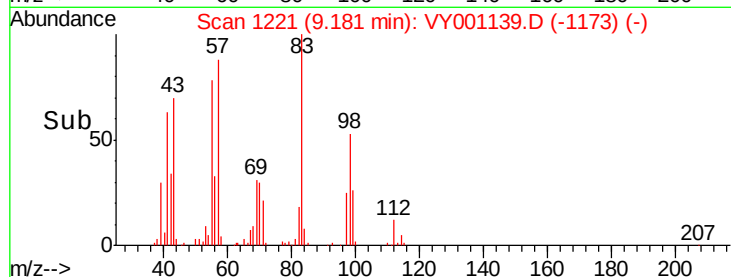
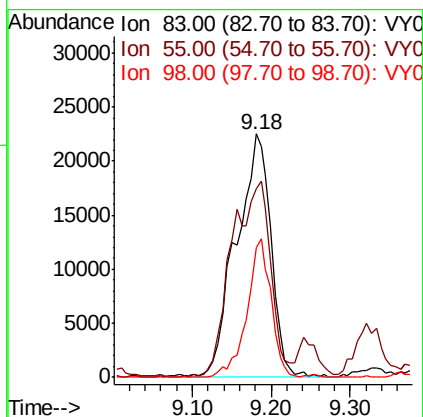
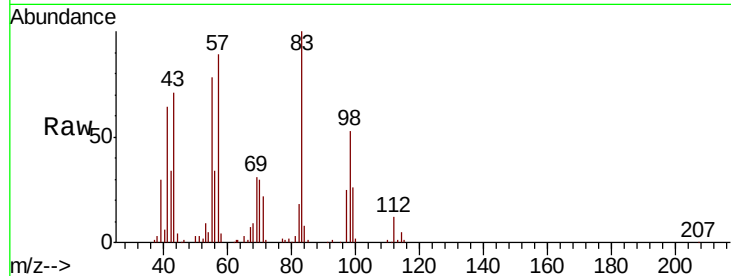




#39
Methvlcvclohexane
Concen: 11.802 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

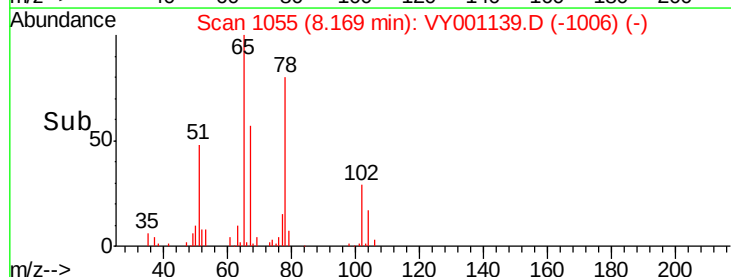
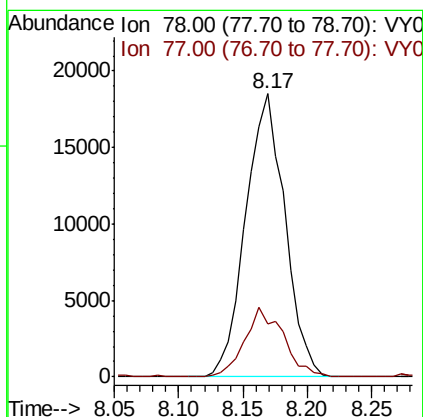
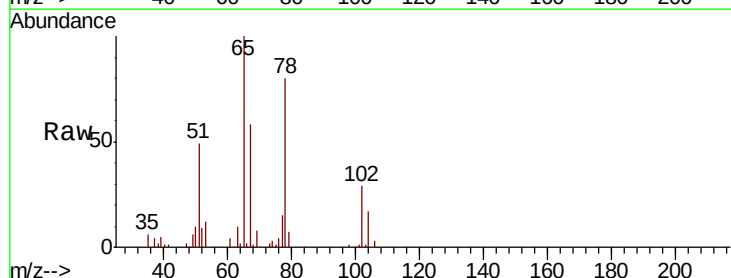
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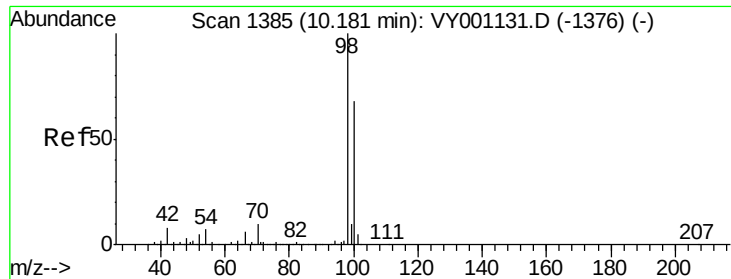
Tot Ion: 83 Resp: 68876
Ion Ratio Lower Upper
83 100
55 77.5 46.4 69.6#
98 53.1 41.5 62.3



#40
Benzene
Concen: 3.010 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion: 78 Resp: 39037
Ion Ratio Lower Upper
78 100
77 18.9 18.8 28.2

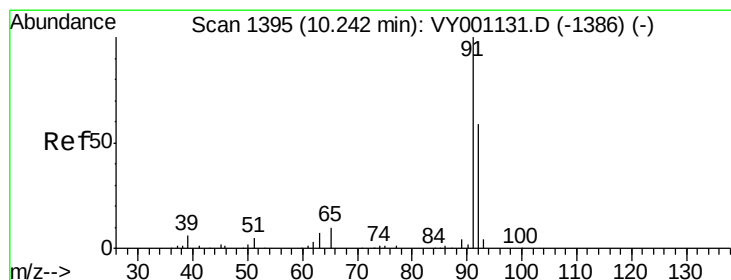
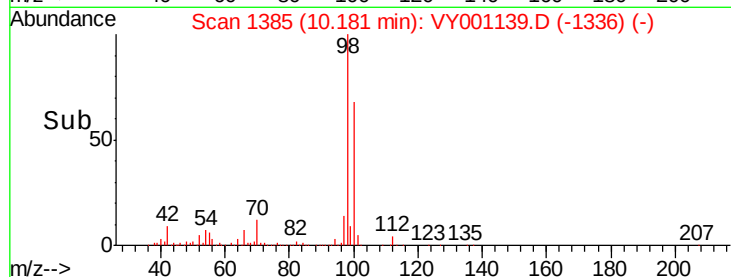
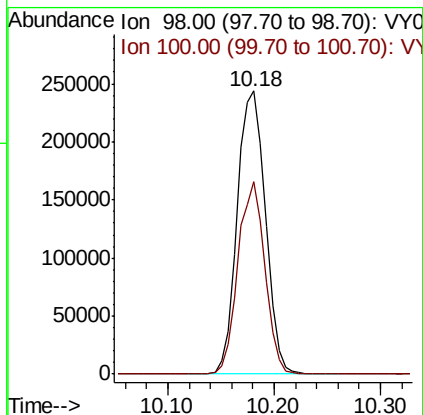
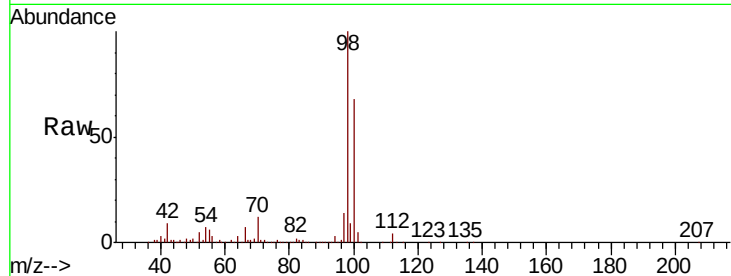




#50
Toluene-d8
Concen: 45.292 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

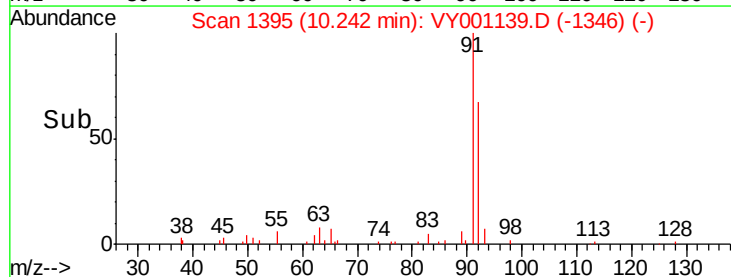
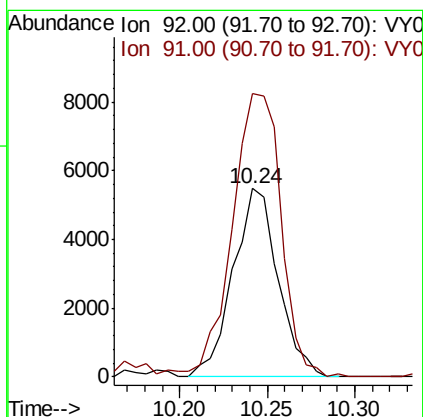
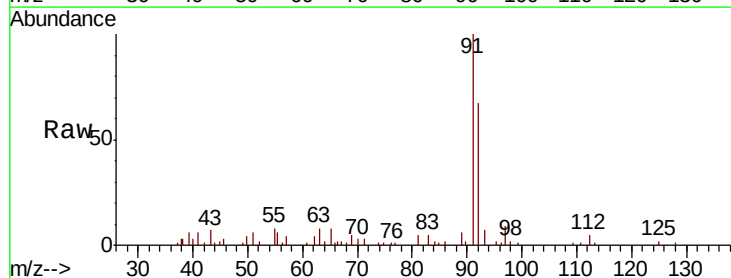
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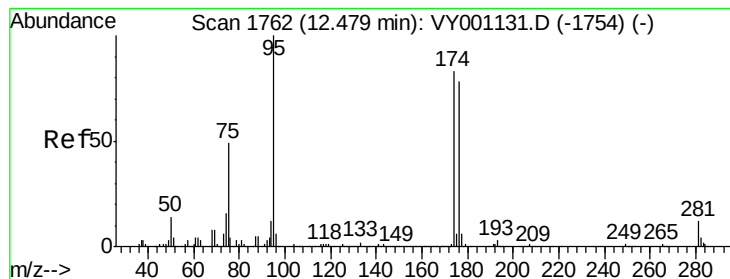
Tot Ion: 98 Resp: 454613
Ion Ratio Lower Upper
98 100
100 64.8 53.2 79.8



#52
Toluene
Concen: 1.245 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion: 92 Resp: 9833
Ion Ratio Lower Upper
92 100
91 162.7 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 59.917 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-14-16

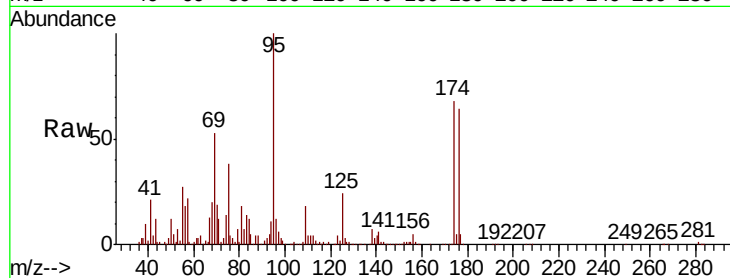
Tot Ion: 95 Resp: 228719

Ion Ratio Lower Upper

95 100

174 65.4 0.0 171.8

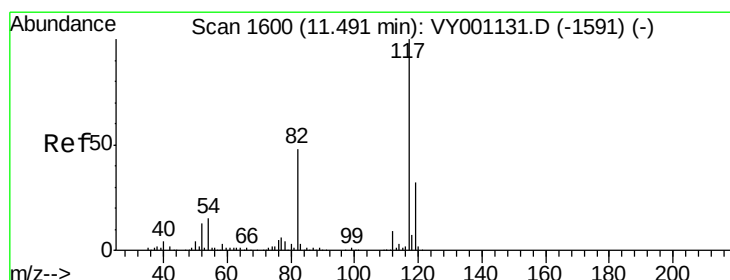
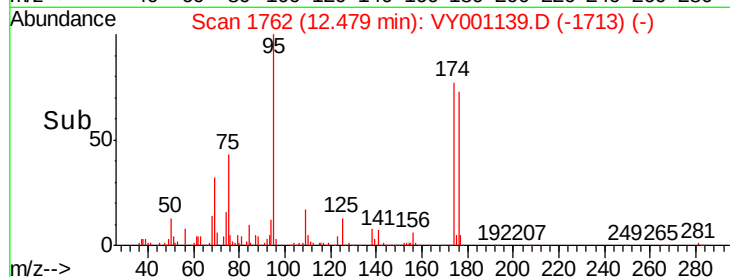
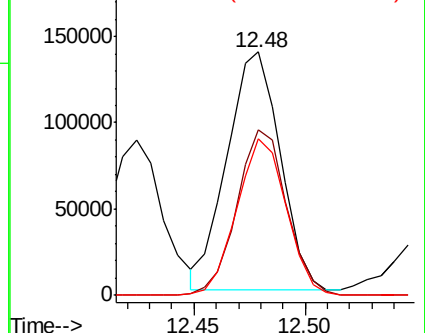
176 61.7 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VY001131.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY001131.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY001131.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

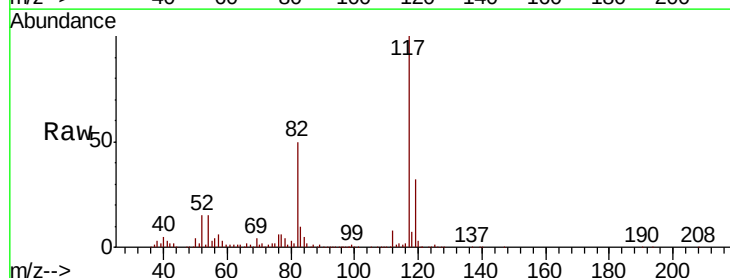
Tgt Ion: 117 Resp: 369362

Ion Ratio Lower Upper

117 100

82 49.6 38.5 57.7

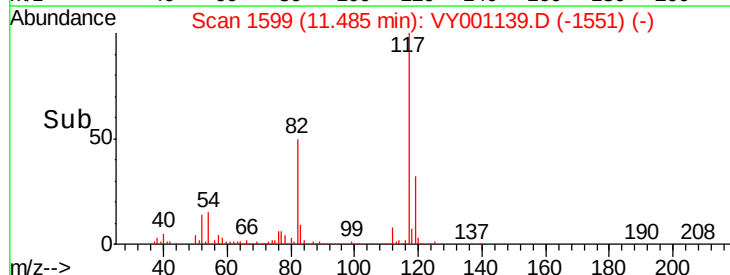
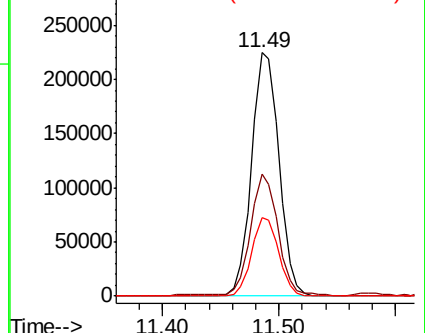
119 32.4 25.9 38.9

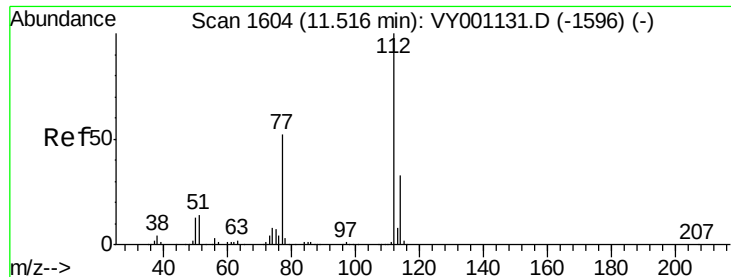


Abundance Ion 116.90 (116.60 to 117.60): VY001131.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY001131.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY001131.D (-1591) (-)

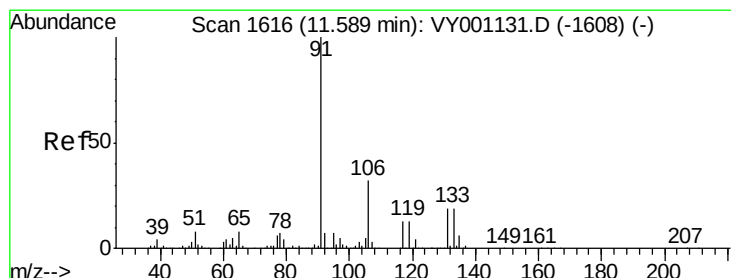
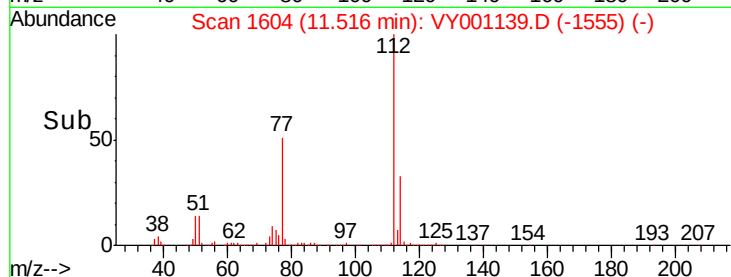
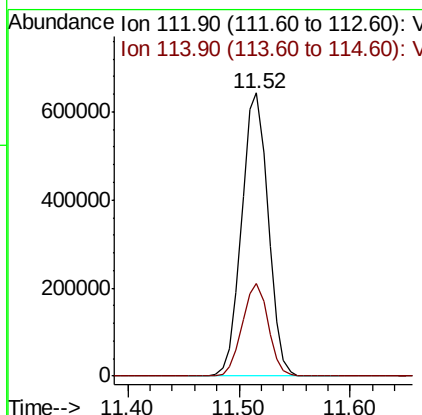
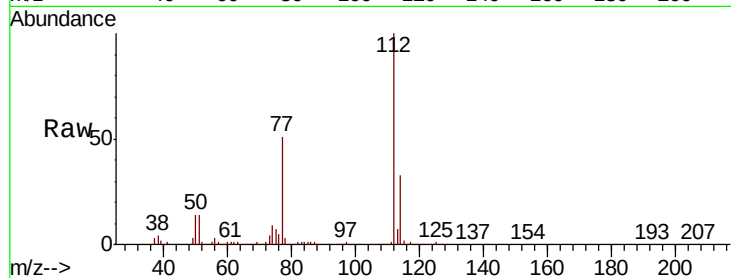




#65
Chlorobenzene
Concen: 135.290 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

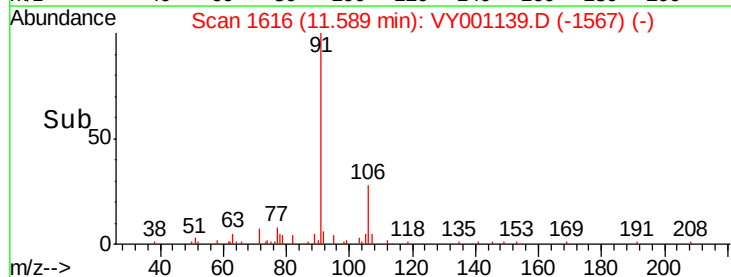
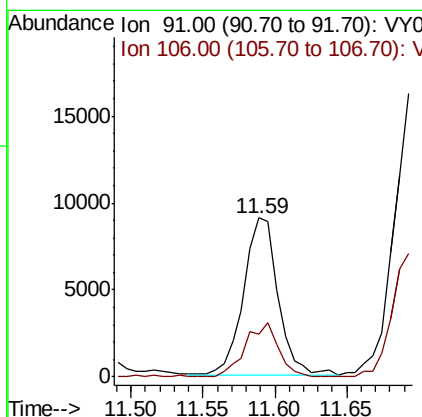
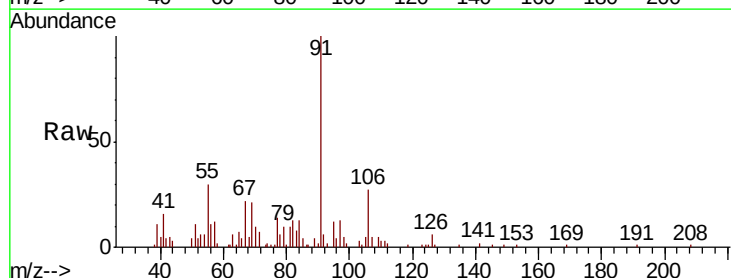
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-14-16

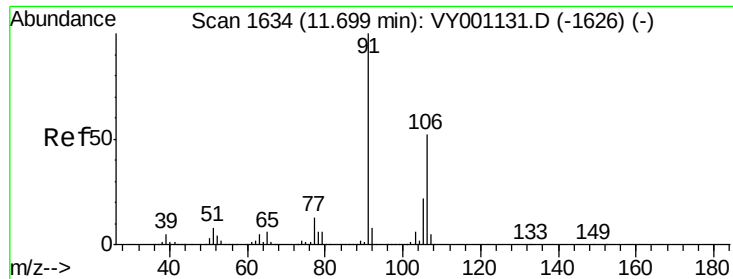
Tot Ion:112 Resp: 1062779
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#67
Ethyl Benzene
Concen: 1.107 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion: 91 Resp: 15151
Ion Ratio Lower Upper
91 100
106 27.1 25.9 38.9

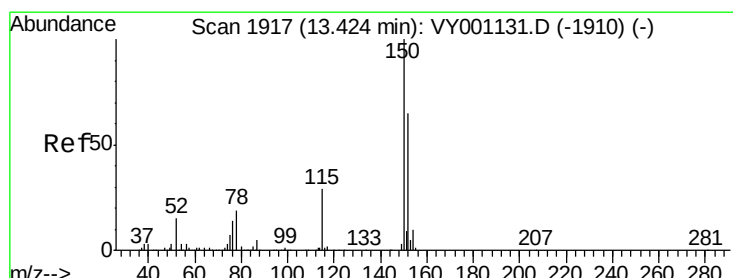
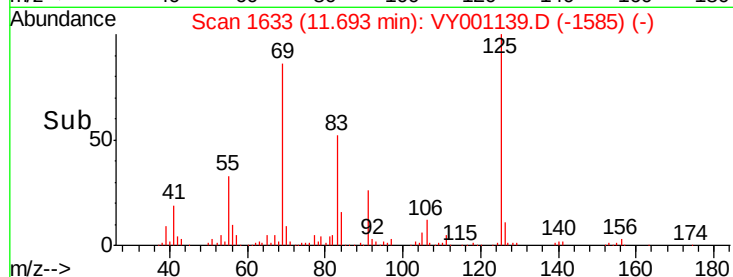
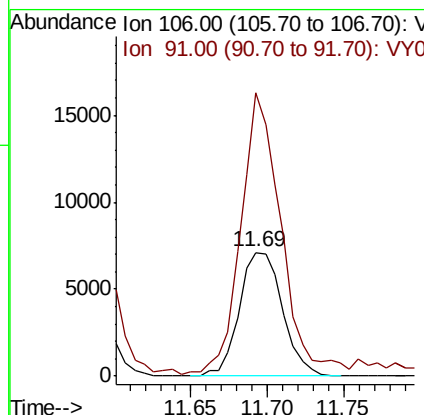
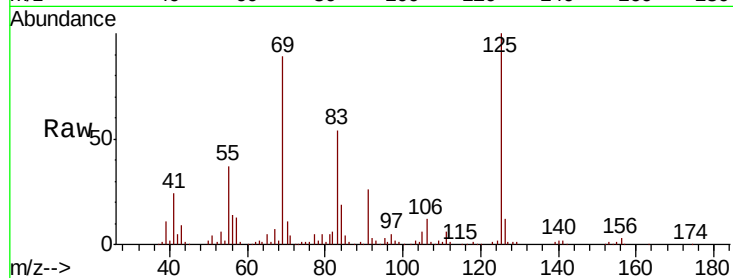




#68
m/p-Xvlenes
Concen: 2.575 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

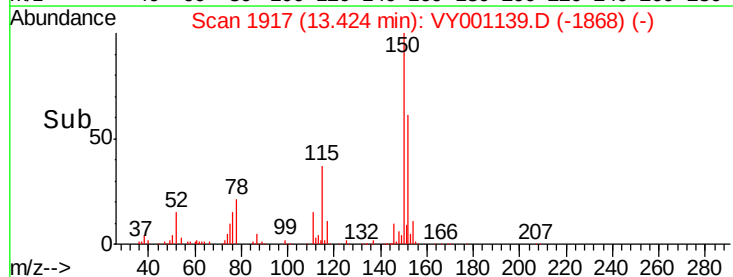
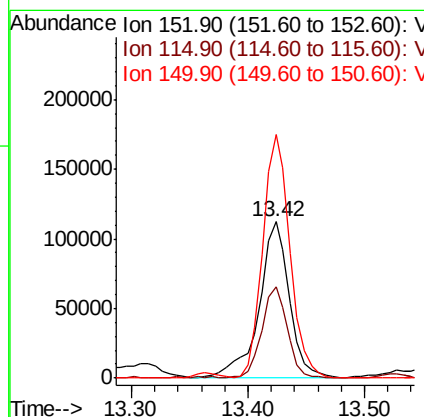
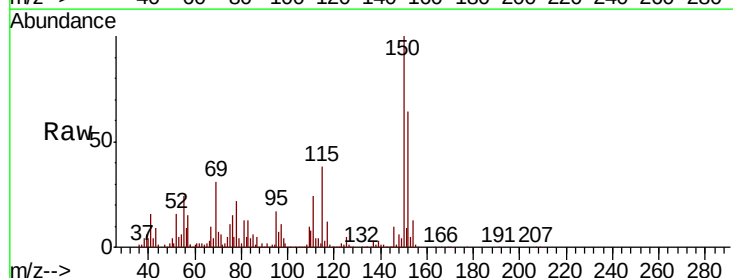
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-14-16

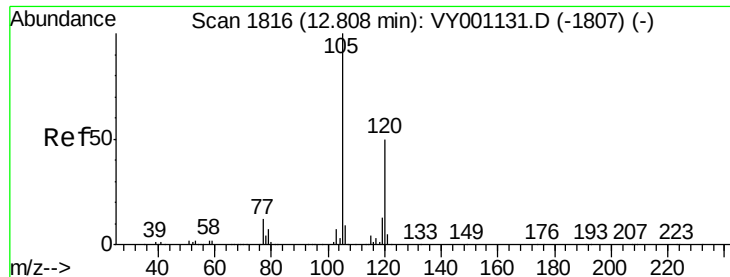
Tot Ion:106 Resp: 13938
Ion Ratio Lower Upper
106 100
91 213.0 154.3 231.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001139.D
Acq: 02 Jan 2020 17:09

Tgt Ion:152 Resp: 201519
Ion Ratio Lower Upper
152 100
115 49.6 27.7 83.0
150 141.1 0.0 342.6





#80

1,3,5-Trimethylbenzene

Concen: 1.884 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

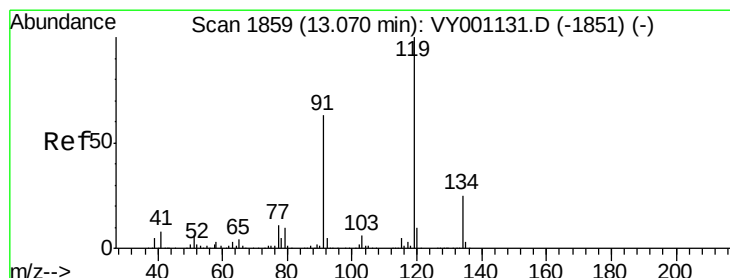
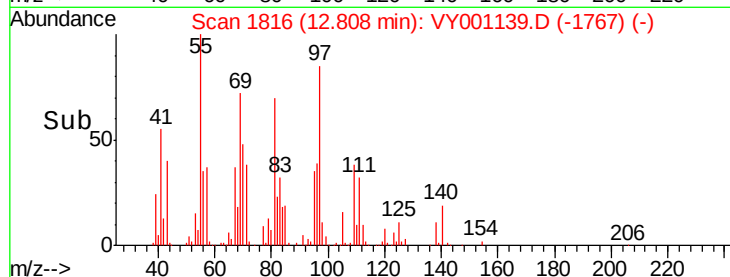
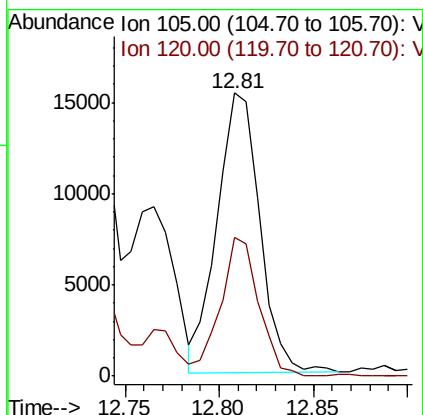
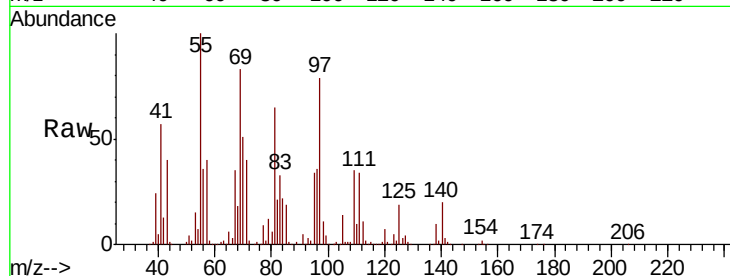
WP022SB454_191227-14-16

Tot Ion:105 Resp: 24226

Ion Ratio Lower Upper

105 100

120 44.4 25.1 75.3



#83

tert-Butylbenzene

Concen: 5.778 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

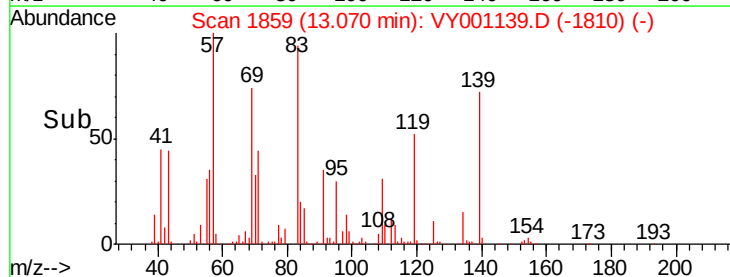
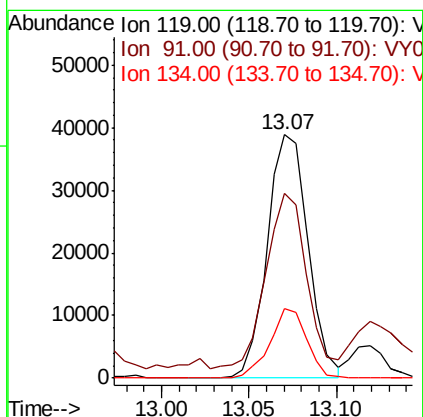
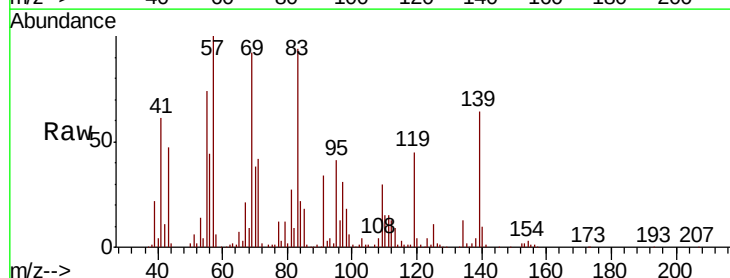
Tgt Ion:119 Resp: 63297

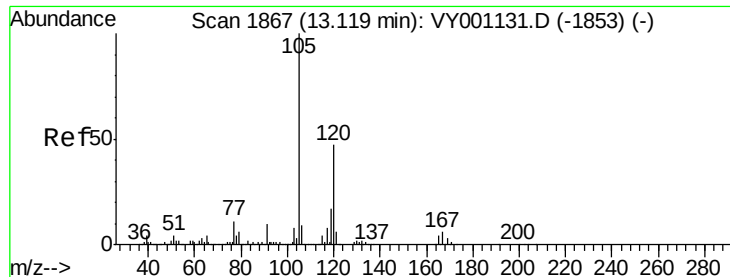
Ion Ratio Lower Upper

119 100

91 67.7 30.9 92.7

134 25.6 13.2 39.5





#84

1,2,4-Trimethylbenzene

Concen: 4.640 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

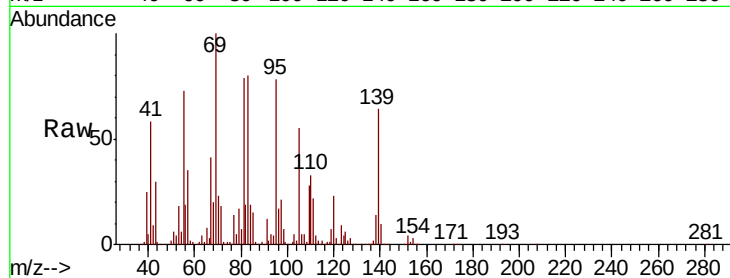
WP022SB454_191227-14-16

Tot Ion:105 Resp: 59721

Ion Ratio Lower Upper

105 100

120 43.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.12

40000

30000

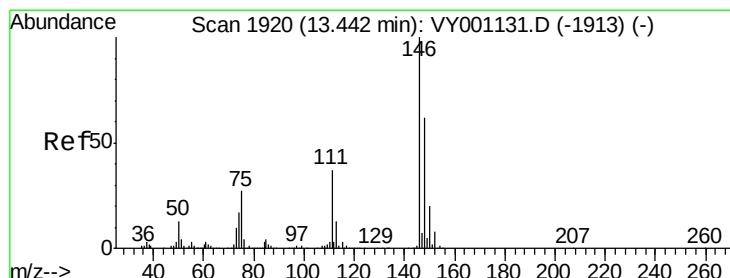
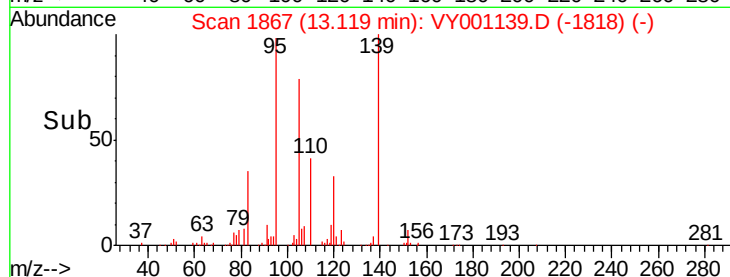
20000

10000

0

13.05 13.10 13.15 13.20

Time-->



#88

1,4-Dichlorobenzene

Concen: 27.739 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY001139.D

Acq: 02 Jan 2020 17:09

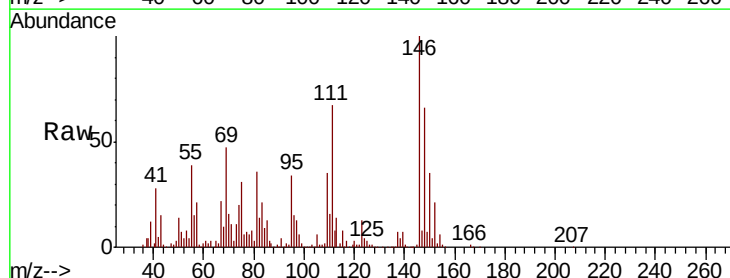
Tgt Ion:146 Resp: 192040

Ion Ratio Lower Upper

146 100

111 74.3 19.1 57.3#

148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.44

150000

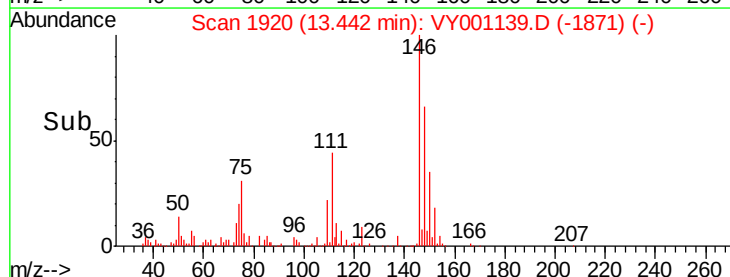
100000

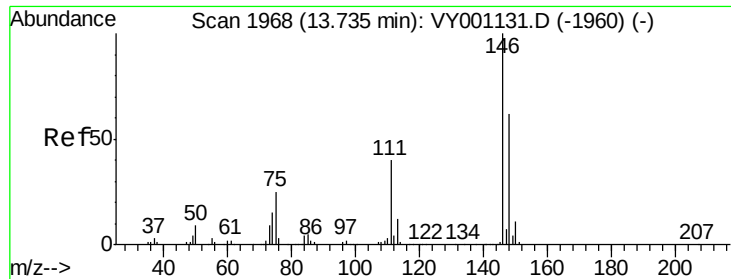
50000

0

13.40 13.45 13.50

Time-->





#91
 1,2-Dichlorobenzene
 Concen: 41.953 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001139.D
 Acq: 02 Jan 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB454_191227-14-16

Tot Ion:146 Resp: 264588
 Ion Ratio Lower Upper
 146 100
 111 69.5 20.1 60.3#
 148 62.5 31.9 95.5

