

Data File : VY001258.D
Acq On : 16 Jan 2020 11:56
Operator : SY/MD
Sample : VIBLK77
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK77

Quant Time: Jan 17 03:21:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 03:10:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	327138	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	300611	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	141828	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	112678	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.28%
7) Chloroethane-d5	2.76	69	102034	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.28%
11) 1,1-Dichloroethene-d2	3.85	63	154678	19.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.00%
21) 2-Butanone-d5	6.89	46	109647	55.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.78%
24) Chloroform-d	7.49	84	195535	26.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.48%
26) 1,2-Dichloroethane-d4	8.15	65	117957	27.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.04%
32) Benzene-d6	8.11	84	442571	27.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.16%
36) 1,2-Dichloropropane-d6	9.13	67	137883	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.48%
41) Toluene-d8	10.18	98	403231	27.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.04%
43) trans-1,3-Dichloropropene-	10.44	79	66387	26.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.36%
47) 2-Hexanone-d5	10.78	63	93585	54.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.32%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	140445	26.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.64%
66) 1,2-Dichlorobenzene-d4	13.72	152	141492	27.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	1937	0.379 ug/L	95
13) Acetone	3.96	43	7785	3.408 ug/L	98
16) Methylene chloride	4.72	84	7509	1.374 ug/L	89
30) 1,1,1-Trichloroethane	7.71	97	1948	0.289 ug/L #	86
40) 4-Methyl-2-pentanone	10.07	43	5332	1.017 ug/L	97
52) Ethylbenzene	11.59	91	7950	0.342 ug/L	91
53) m,p-Xylene	11.70	106	3552	0.393 ug/L	97
55) Styrene	12.04	104	5636	0.372 ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	2925	0.502 ug/L #	95
60) Isopropylbenzene	12.33	105	7768	0.344 ug/L #	81
61) 1,2,3-Trichloropropane	12.63	75	1796	0.407 ug/L #	89
62) 1,3,5-Trimethylbenzene	12.81	105	8746	0.468 ug/L #	60
63) 1,2,4-Trimethylbenzene	13.11	105	9340	0.505 ug/L	92
64) 1,3-Dichlorobenzene	13.36	146	5117	0.511 ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	5808	0.577 ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	5427	0.585 ug/L #	93
70) 1,2,4-trichlorobenzene	15.00	180	6481	1.033 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011620\
Quantitation Report (QT/LSC Reviewed)

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Response via : Initial Calibration

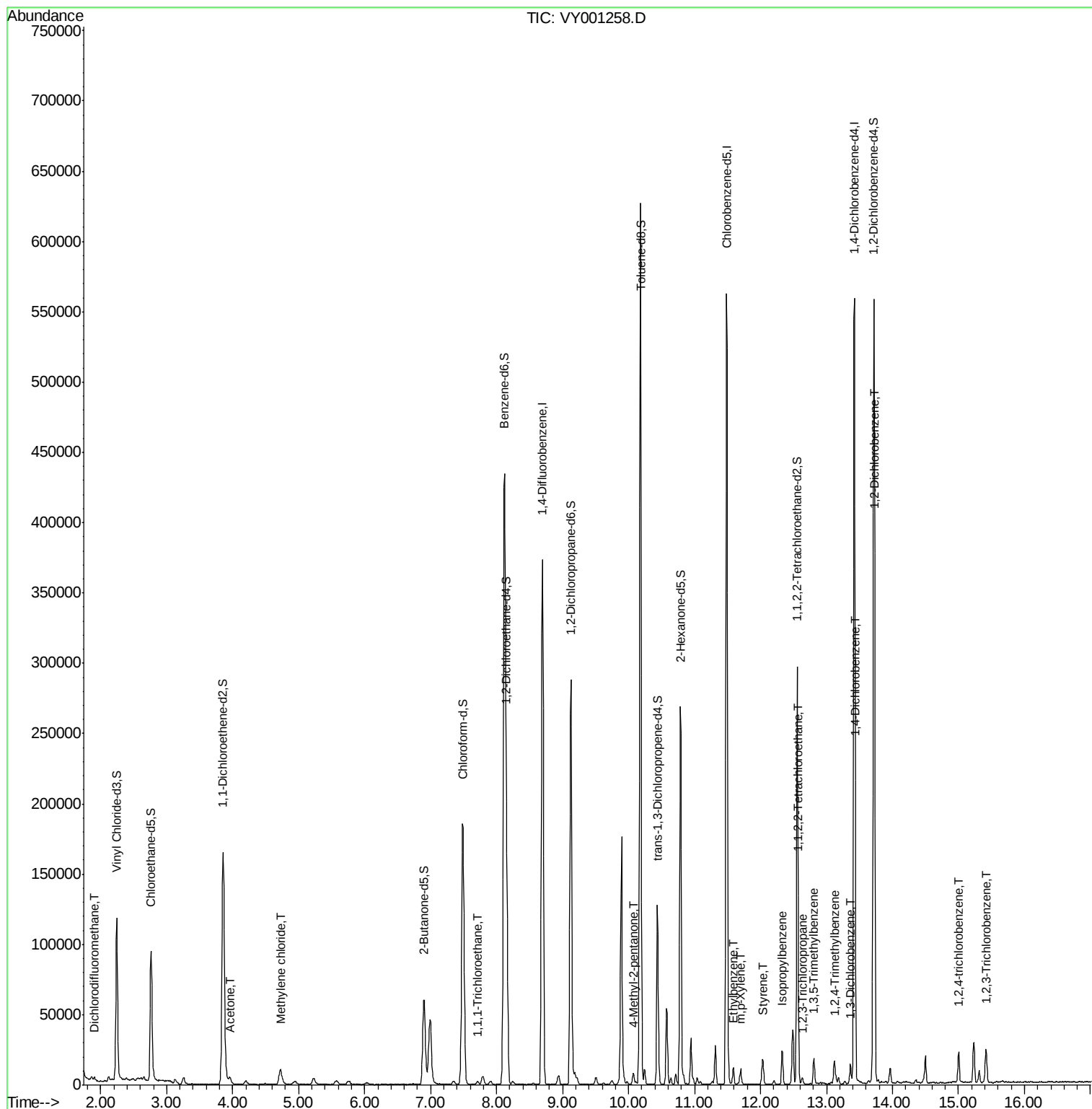
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.42	180	7435	1.270	ug/L	98

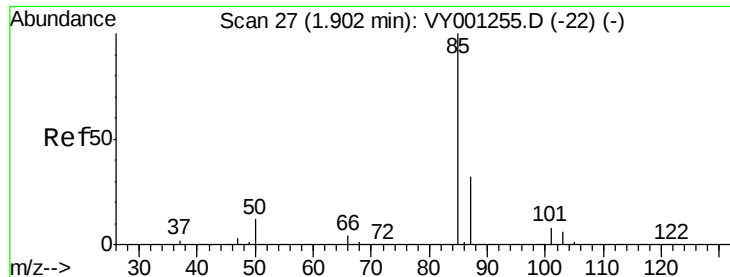
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.379 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

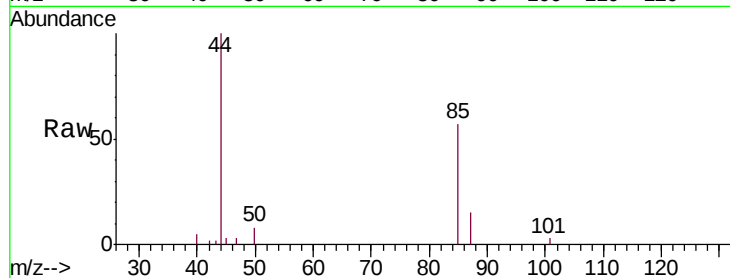
VIBLK77

Tgt Ion: 85 Resp: 1937

Ion Ratio Lower Upper

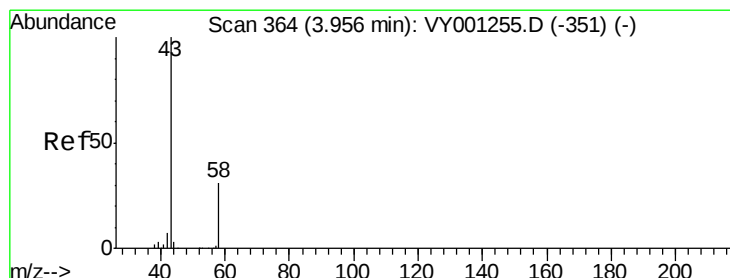
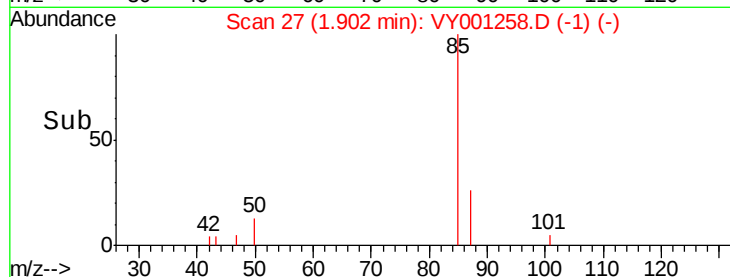
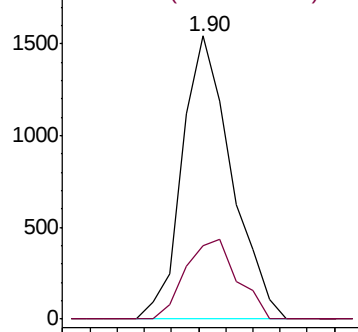
85 100

87 29.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#13

Acetone

Concen: 3.408 ug/L

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001258.D

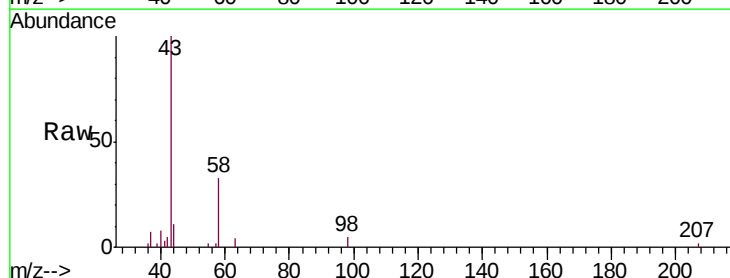
Acq: 16 Jan 2020 11:56

Tgt Ion: 43 Resp: 7785

Ion Ratio Lower Upper

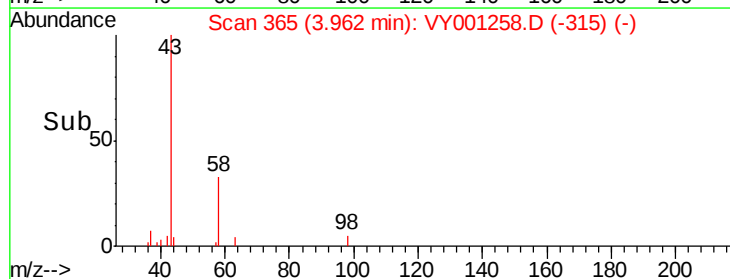
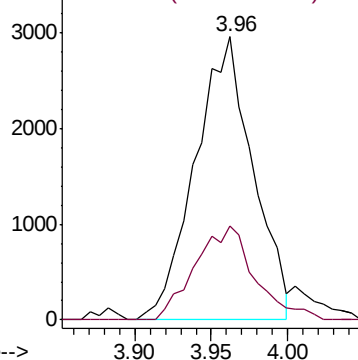
43 100

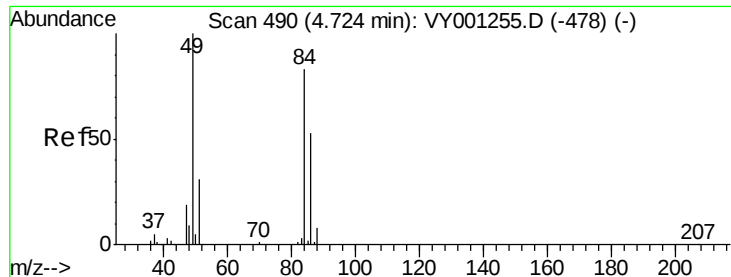
58 33.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

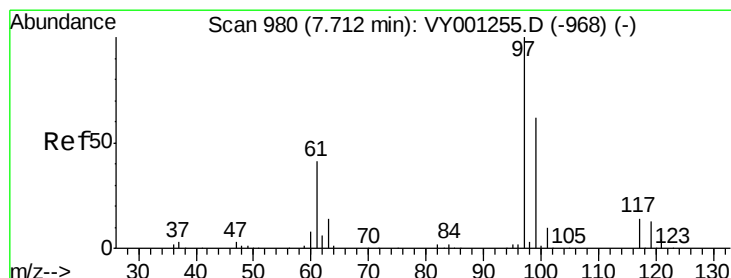
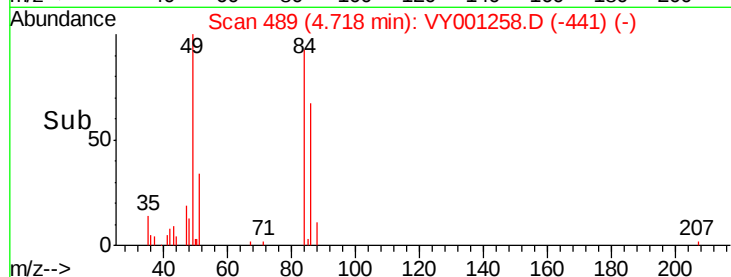
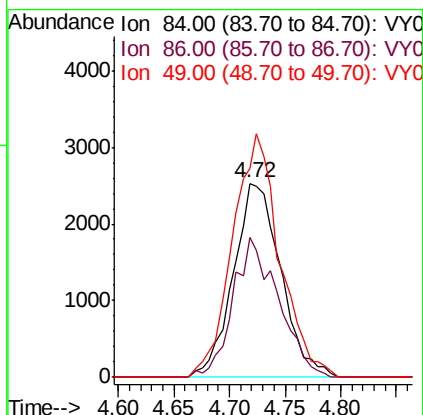
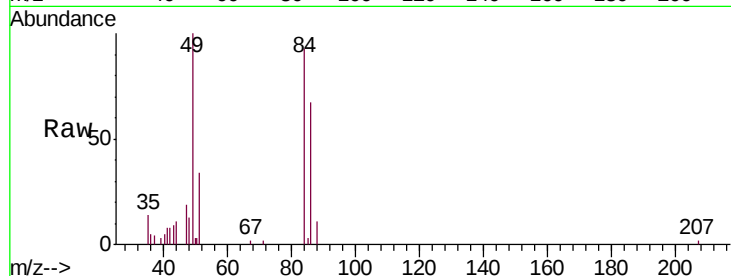




#16
Methylene chloride
Concen: 1.374 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY001258.D
Acq: 16 Jan 2020 11:56

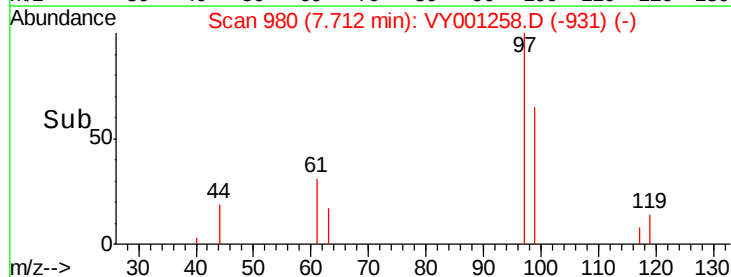
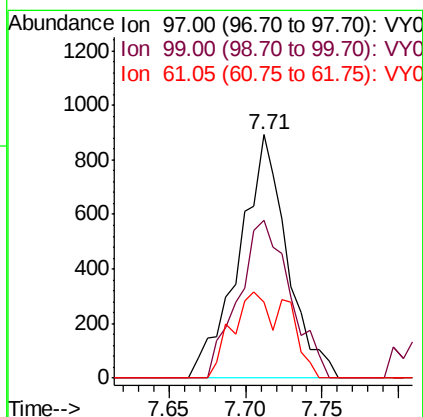
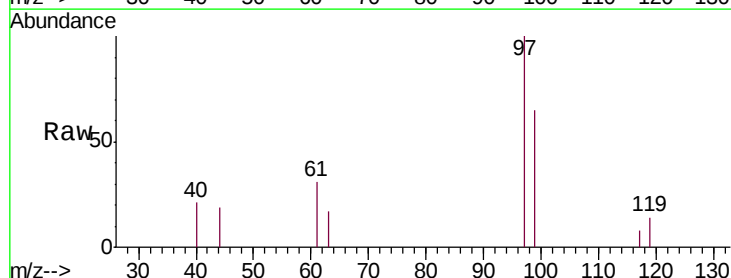
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK77

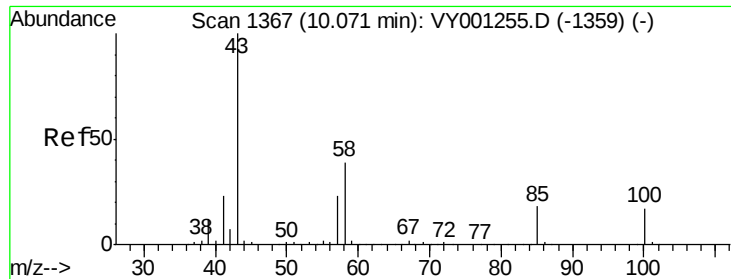
Tgt Ion: 84 Resp: 7509
Ion Ratio Lower Upper
84 100
86 72.1 44.6 82.8
49 107.4 84.4 156.7



#30
1,1,1-Trichloroethane
Concen: 0.289 ug/L
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY001258.D
Acq: 16 Jan 2020 11:56

Tgt Ion: 97 Resp: 1948
Ion Ratio Lower Upper
97 100
99 69.6 51.5 77.3
61 27.7 35.2 52.8#

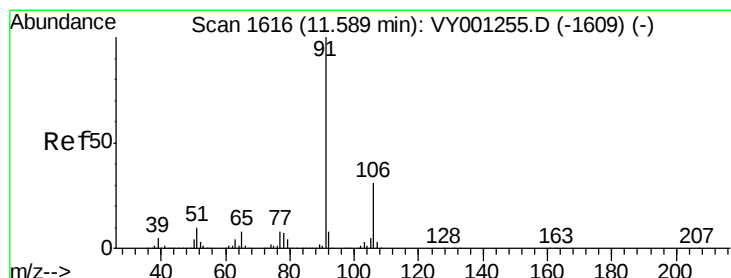
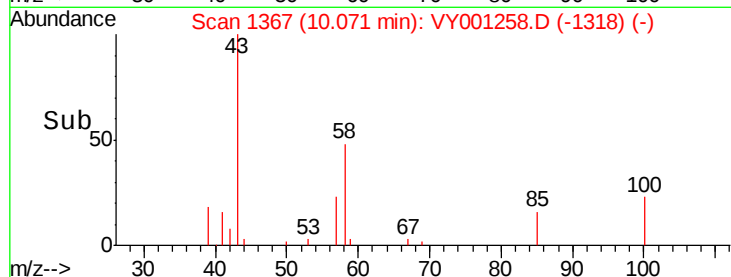
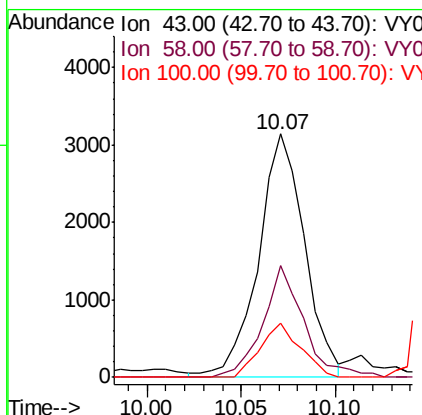
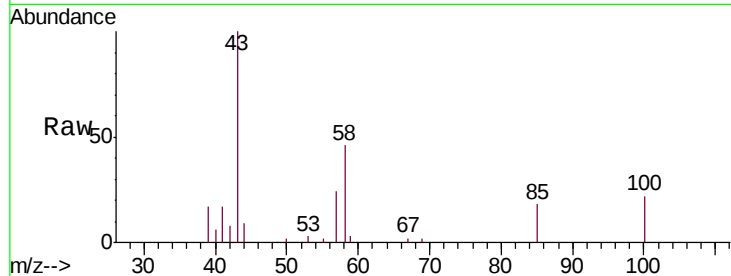




#40
 4-Methyl-2-pentanone
 Concen: 1.017 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

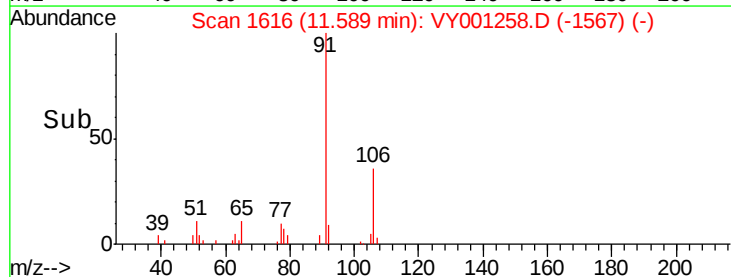
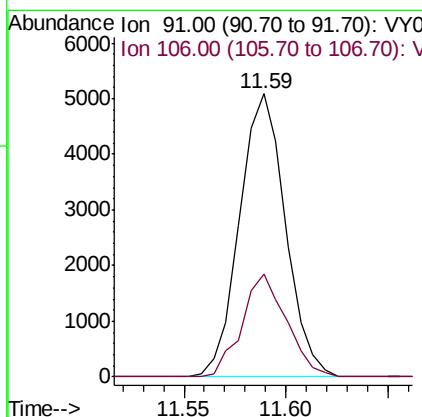
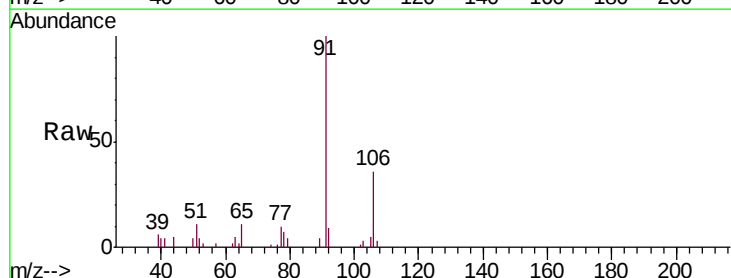
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK77

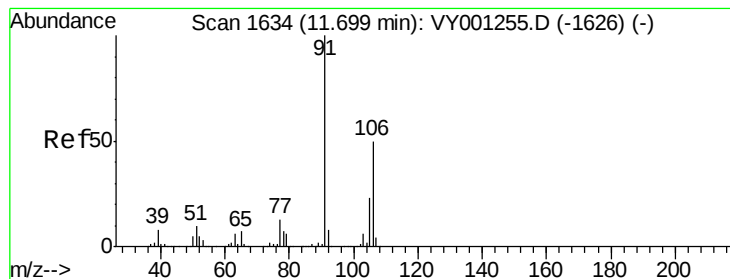
Tgt Ion: 43 Resp: 5332
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.7 47.5
 100 19.3 13.0 19.6



#52
 Ethylbenzene
 Concen: 0.342 ug/L
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

Tgt Ion: 91 Resp: 7950
 Ion Ratio Lower Upper
 91 100
 106 36.2 21.7 40.3





#53

m,p-Xylene

Concen: 0.393 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

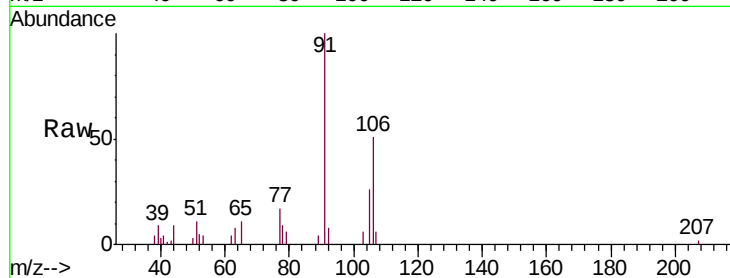
VIBLK77

Tgt Ion:106 Resp: 3552

Ion Ratio Lower Upper

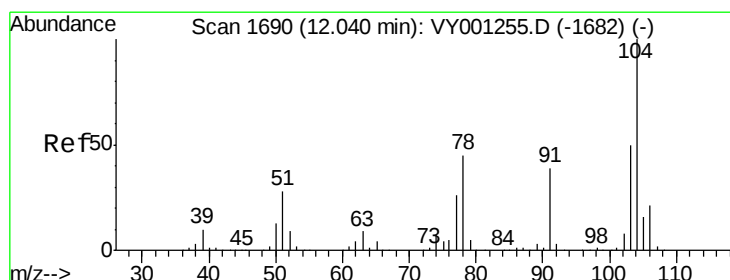
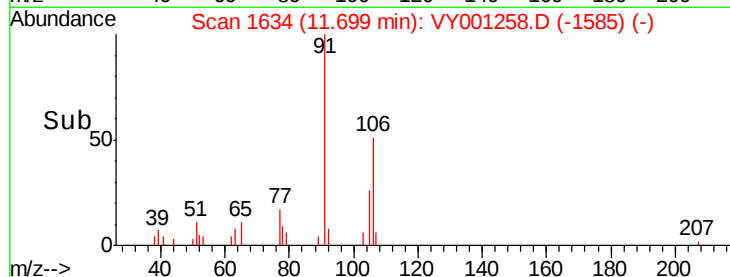
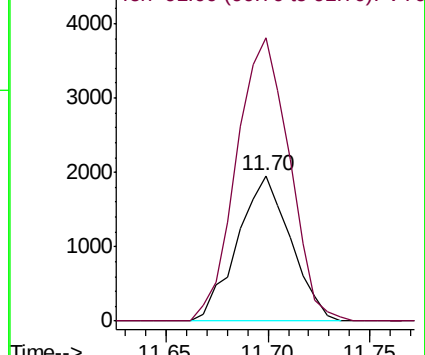
106 100

91 194.7 139.4 258.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 0.372 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY001258.D

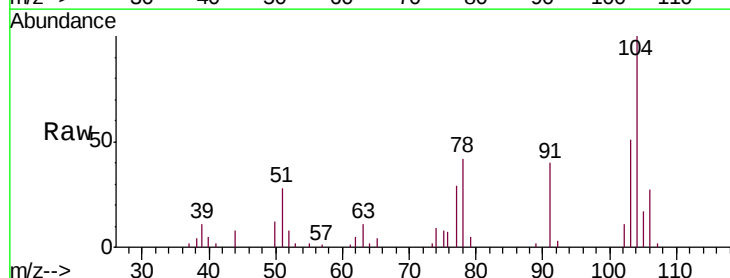
Acq: 16 Jan 2020 11:56

Tgt Ion:104 Resp: 5636

Ion Ratio Lower Upper

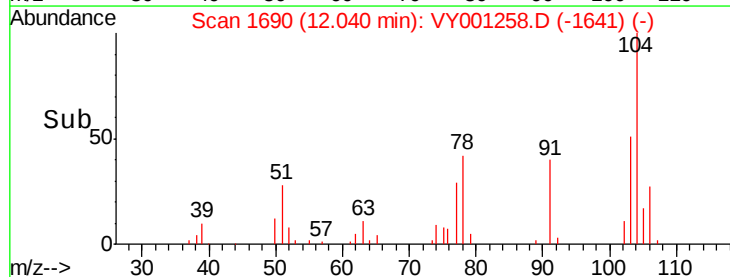
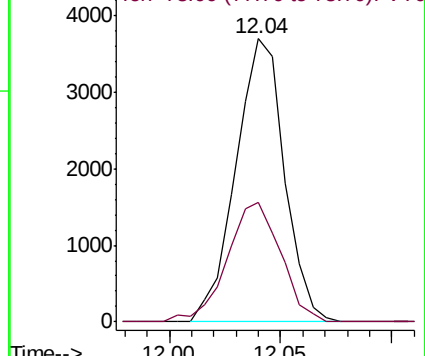
104 100

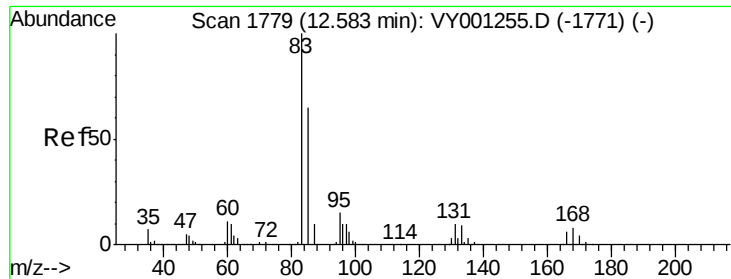
78 42.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.502 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

Instrument :

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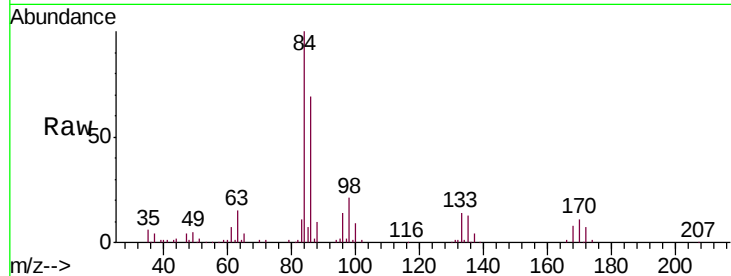
Tgt Ion: 83 Resp: 2925

Ion Ratio Lower Upper

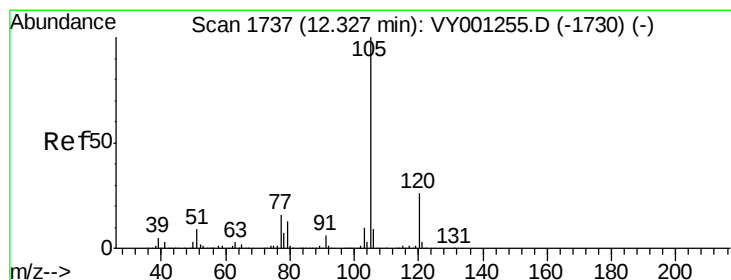
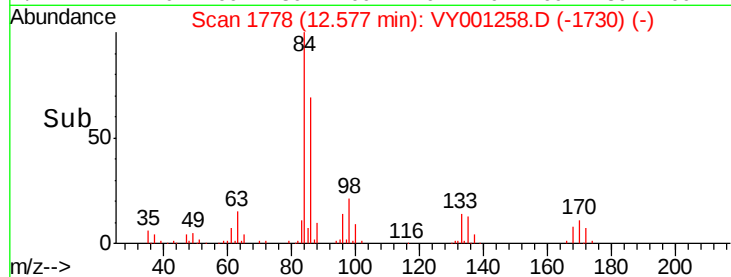
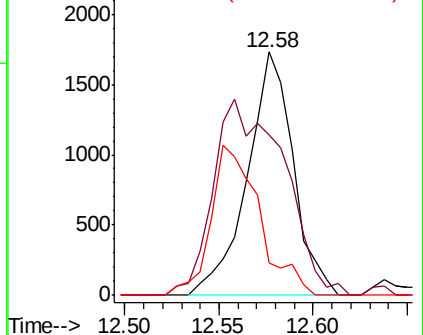
83 100

85 66.0 45.6 84.6

131 20.2 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 131.00 (130.70 to 131.70): V



#60

Isopropylbenzene

Concen: 0.344 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

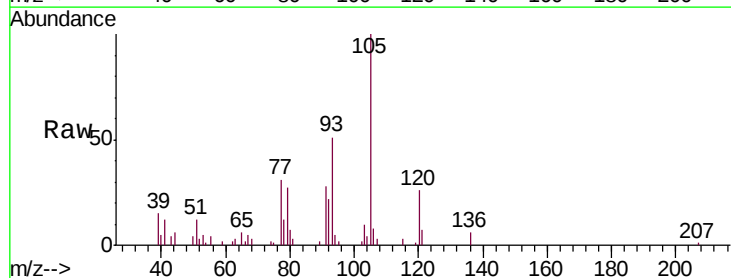
Tgt Ion: 105 Resp: 7768

Ion Ratio Lower Upper

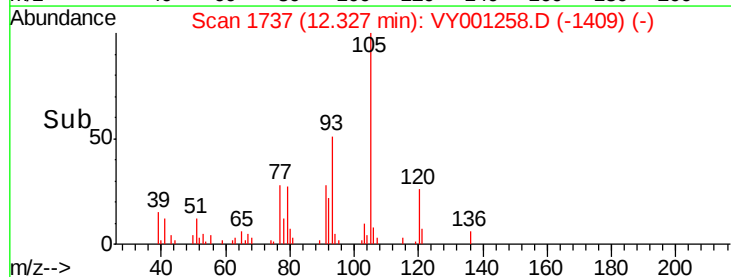
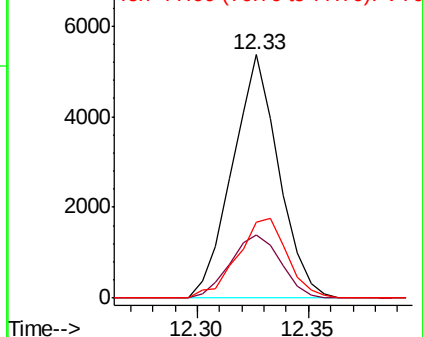
105 100

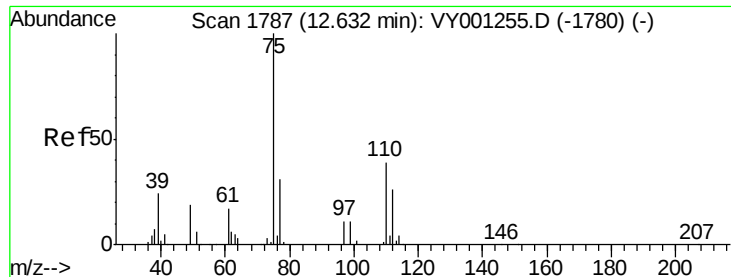
120 28.2 21.4 32.2

77 35.4 12.3 18.5#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VY0

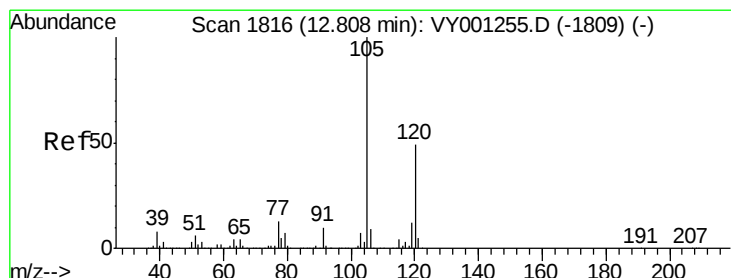
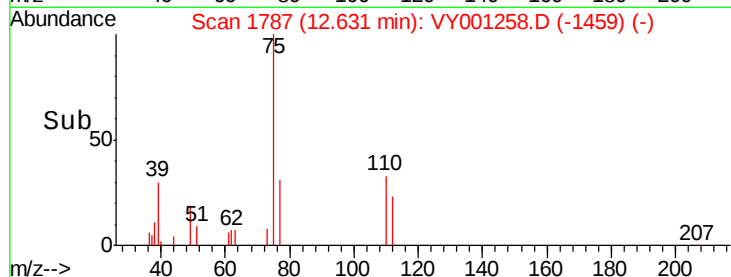
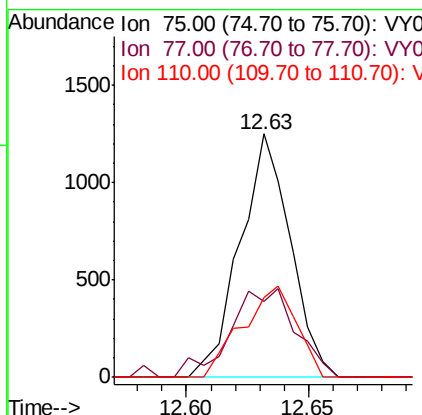
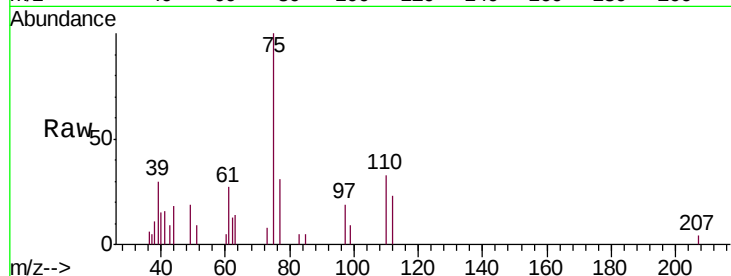




#61
 1,2,3-Trichloropropane
 Concen: 0.407 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

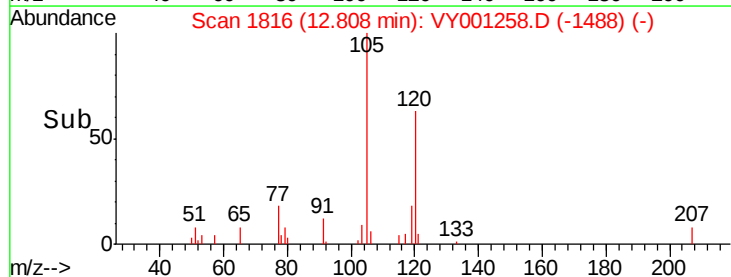
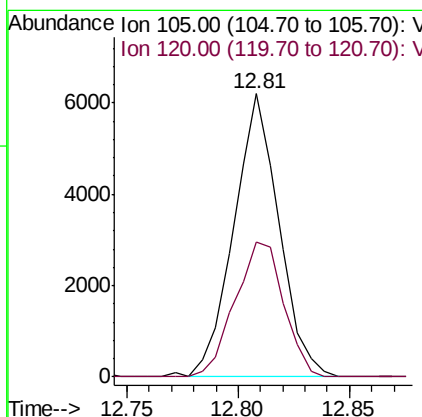
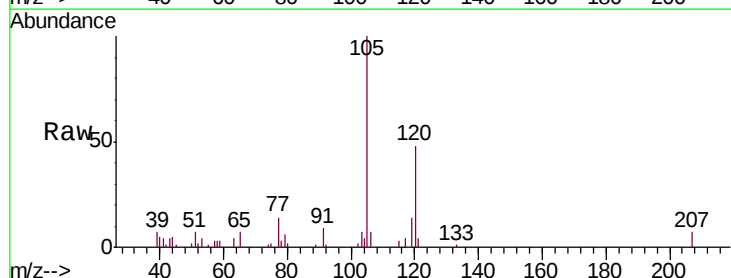
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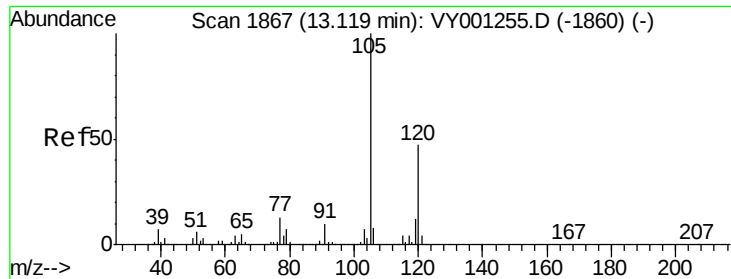
Tgt Ion: 75 Resp: 1796
 Ion Ratio Lower Upper
 75 100
 77 44.0 25.1 37.7#
 110 40.6 31.4 47.2



#62
 1,3,5-Trimethylbenzene
 Concen: 0.468 ug/L
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

Tgt Ion: 105 Resp: 8746
 Ion Ratio Lower Upper
 105 100
 120 51.3 0.2 0.2#

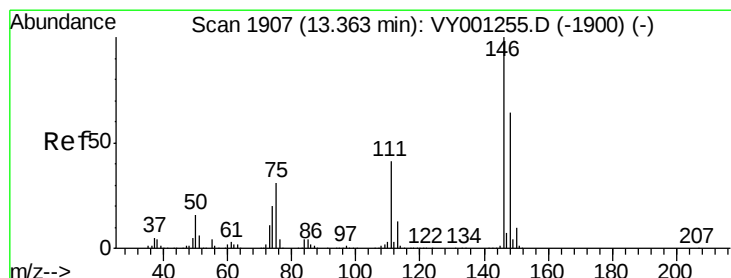
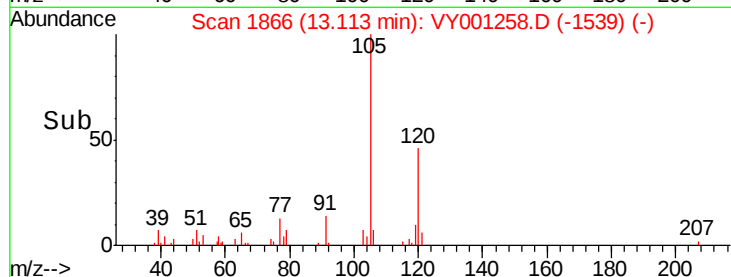
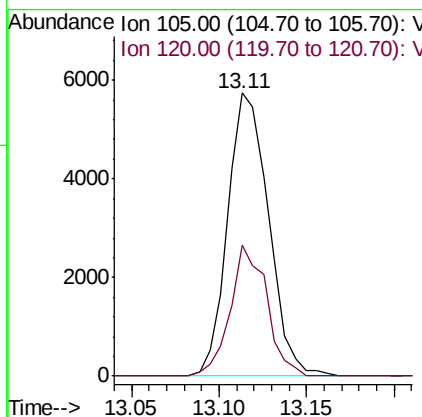
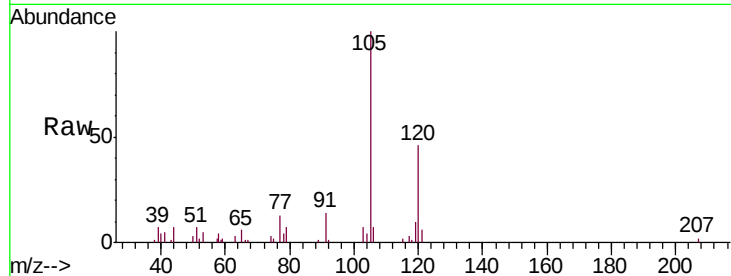




#63
 1,2,4-Trimethylbenzene
 Concen: 0.505 ug/L
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

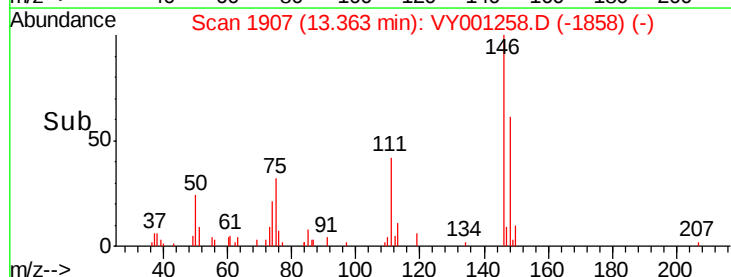
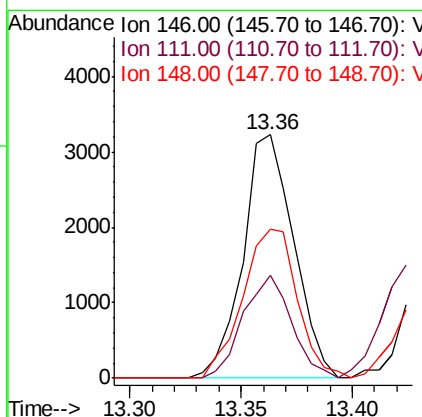
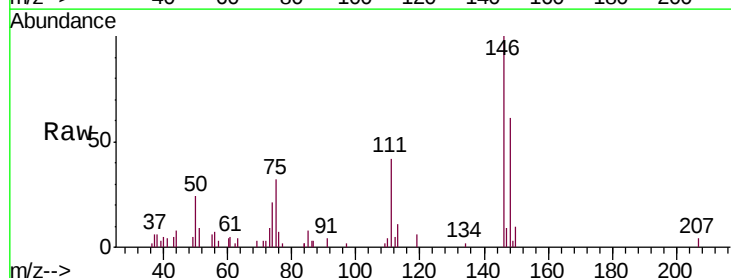
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK77

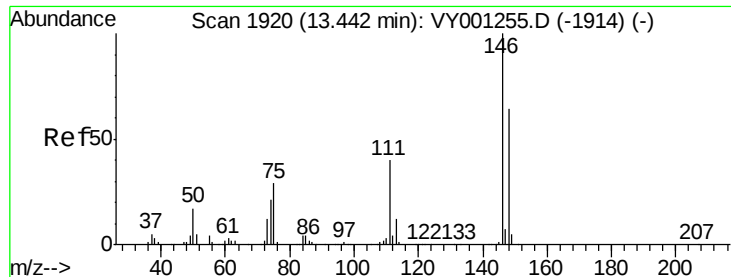
Tgt Ion:105 Resp: 9340
 Ion Ratio Lower Upper
 105 100
 120 41.2 37.0 55.6



#64
 1,3-Dichlorobenzene
 Concen: 0.511 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

Tgt Ion:146 Resp: 5117
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.7 53.3
 148 61.1 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 0.577 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK77

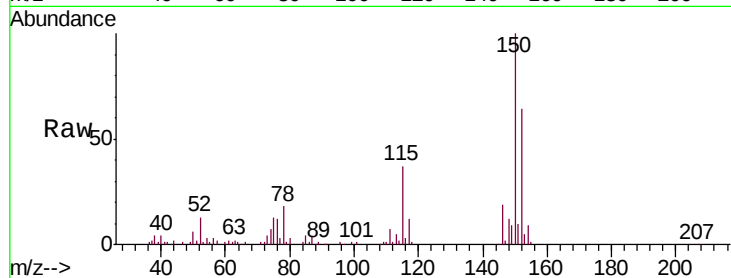
Tgt Ion:146 Resp: 5808

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.7

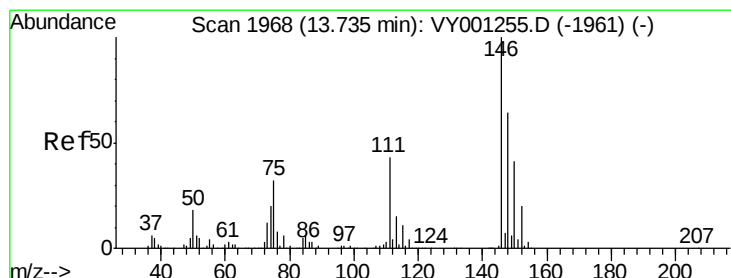
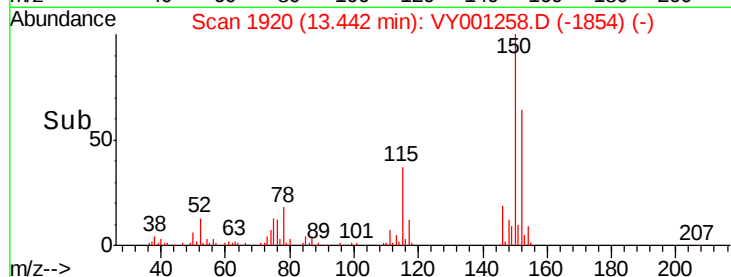
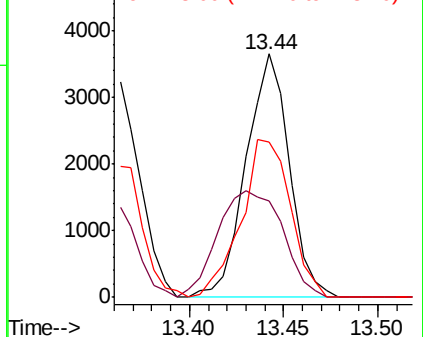
148 64.0 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.585 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY001258.D

Acq: 16 Jan 2020 11:56

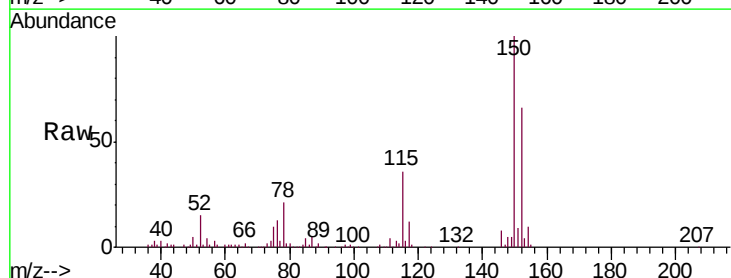
Tgt Ion:146 Resp: 5427

Ion Ratio Lower Upper

146 100

111 51.5 34.2 51.4#

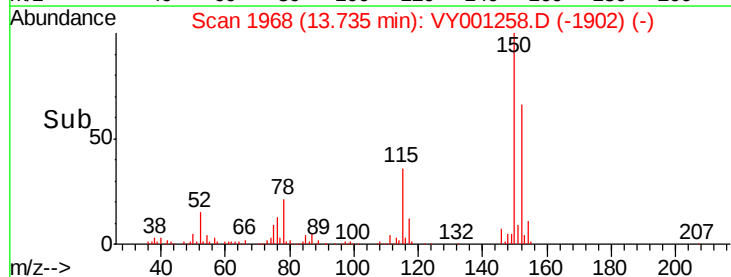
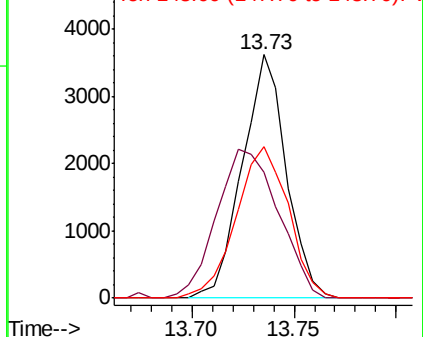
148 62.0 51.4 77.0

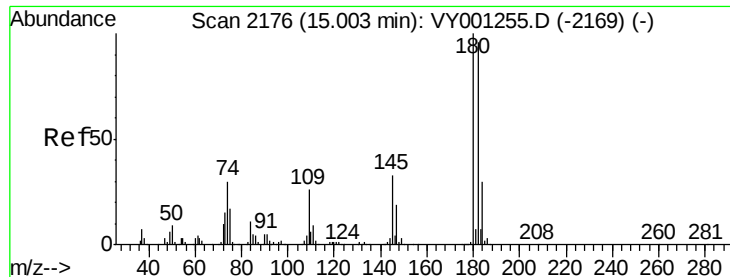


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

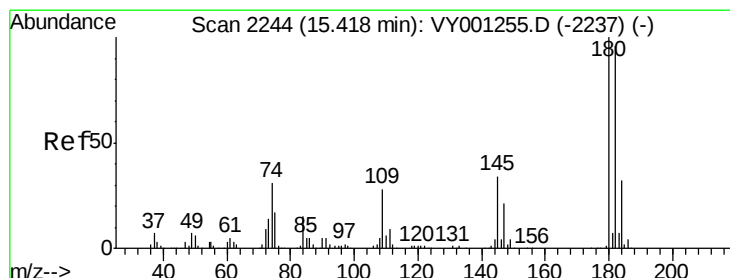
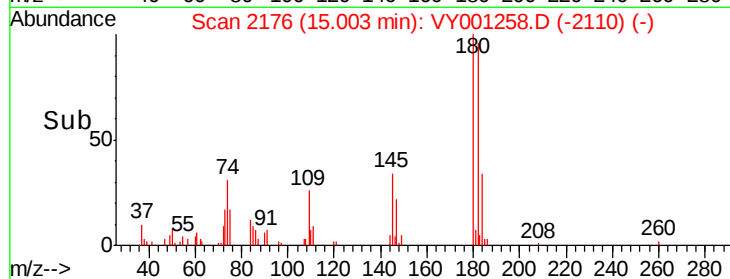
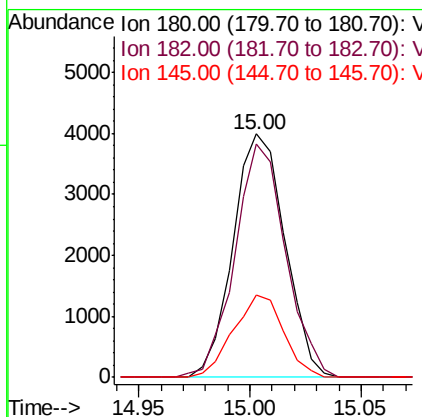
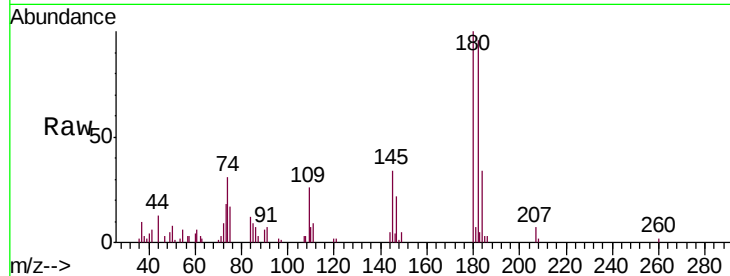




#70
 1,2,4-trichlorobenzene
 Concen: 1.033 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampled :
 VIBLK77

Tgt Ion:180 Resp: 6481
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 145 32.9 25.9 38.9



#72
 1,2,3-Trichlorobenzene
 Concen: 1.270 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY001258.D
 Acq: 16 Jan 2020 11:56

Tgt Ion:180 Resp: 7435
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.6 113.4
 145 33.7 26.3 39.5

