

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003603.D
 Acq On : 24 Nov 2020 14:32
 Operator : SY/MD
 Sample : L4860-17
 Misc : 3.55G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 25 06:03:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 25 06:01:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.71	114	2055	25.00	ug/L	0.02
28) Chlorobenzene-d5	11.51	117	5405	25.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	13.42	152	1322	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	2976	131.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	525.60%#
7) Chloroethane-d5	2.79	69	2452	116.68	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	466.72%#
10) 1,1-Dichloroethene-d2	3.89	63	3411	60.92	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	243.68%#
20) 2-Butanone-d5	6.93	46	285	24.96	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.92%
24) Chloroform-d	7.51	84	246	4.71	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	18.84%#
26) 1,2-Dichloroethane-d4	8.16	65	871	29.75	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.00%
29) Benzene-d6	8.13	84	2700	8.57	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	34.28%
33) 1,2-Dichloropropane-d6	9.14	67	710	7.69	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	30.76%#
37) Toluene-d8	10.19	98	2234	7.92	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	31.68%
38) trans-1,3-Dichloropropene-	10.45	79	879	19.08	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.32%
39) 2-Hexanone-d5	10.78	63	23	0.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.92%#
48) 1,1,2,2-Tetrachloroethane-	12.57	84	1774	22.05	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.20%
61) 1,2-Dichlorobenzene-d4	13.72	152	1550	36.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	145.28%#

Target Compounds

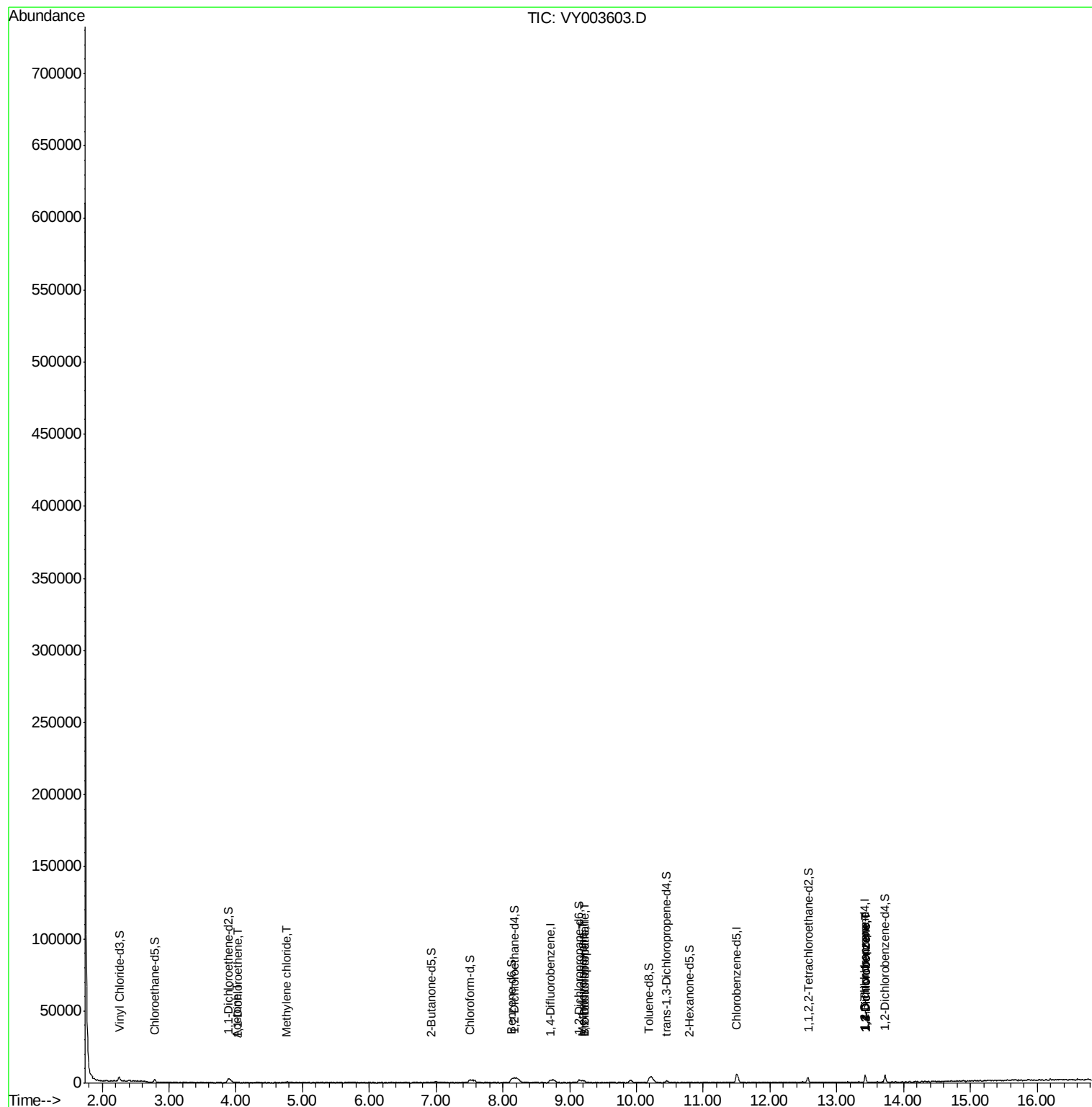
				Ovalue
12) 1,1-Dichloroethene	4.03	96	49	1.721 ug/L # 1
13) Acetone	4.01	43	102	12.440 ug/L # 42
16) Methylene chloride	4.76	84	173	4.910 ug/L # 81
36) Methylcyclohexane	9.19	83	78	0.578 ug/L # 18
40) 1,2-Dichloropropane	9.21	63	47	0.559 ug/L # 87
41) Bromodichloromethane	9.22	83	58	0.541 ug/L # 25
59) 1,2,3-Trichloropropane	13.42	75	185	2.999 ug/L # 42
63) 1,3-Dichlorobenzene	13.44	146	100	1.199 ug/L # 26
64) 1,4-Dichlorobenzene	13.44	146	100	1.164 ug/L # 27
65) 1,2-Dichlorobenzene	13.44	146	100	1.455 ug/L # 26

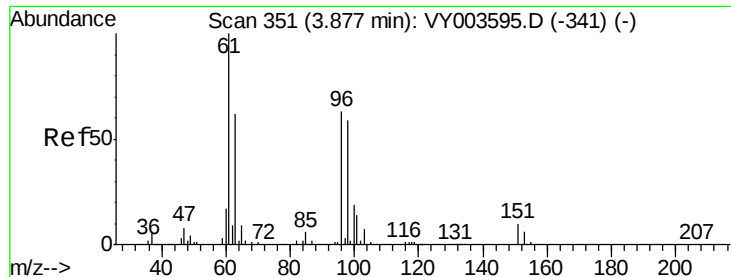
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 25 06:03:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 25 06:01:46 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.721 ug/L

RT: 4.03 min Scan# 376

Delta R.T. 0.15 min

Lab File: VY003603.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

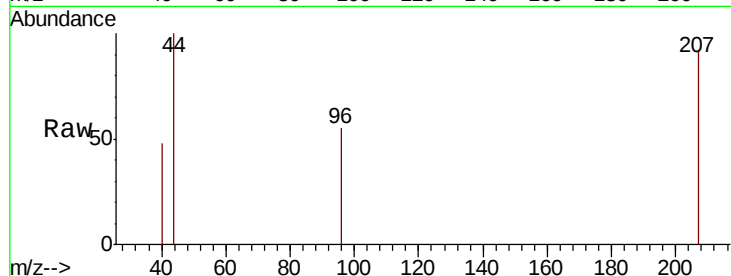
Tot Ion: 96 Resp: 49

Ion Ratio Lower Upper

96 100

61 0.0 116.6 216.6#

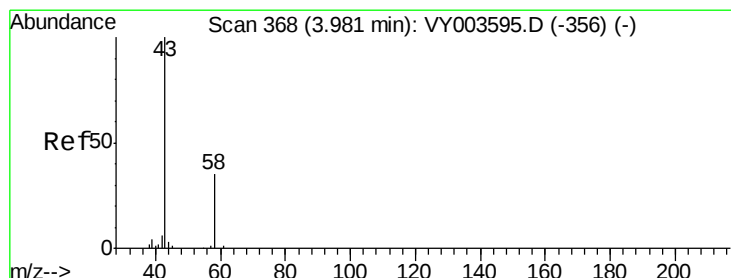
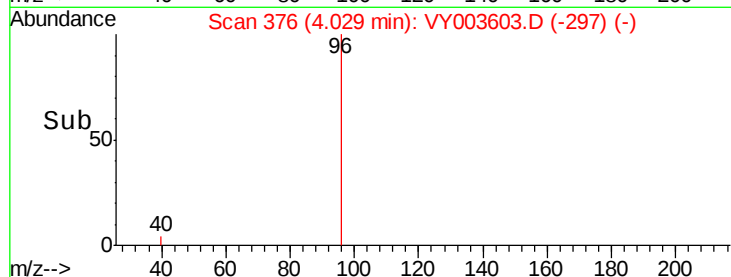
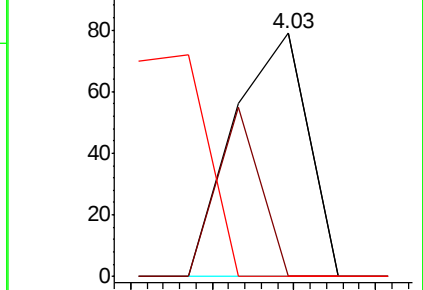
63 0.0 77.5 143.9#



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 12.440 ug/L

RT: 4.01 min Scan# 373

Delta R.T. 0.03 min

Lab File: VY003603.D

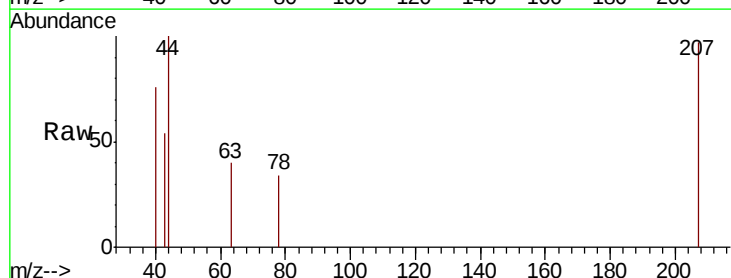
Acq: 24 Nov 2020 14:32

Tgt Ion: 43 Resp: 102

Ion Ratio Lower Upper

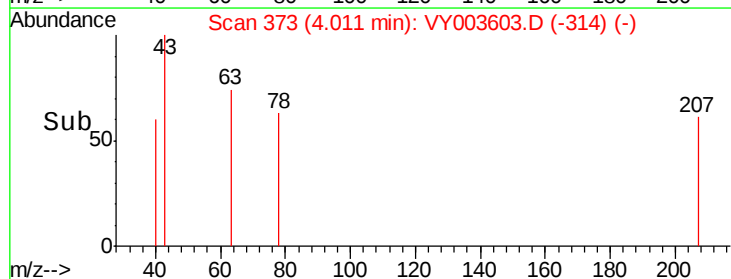
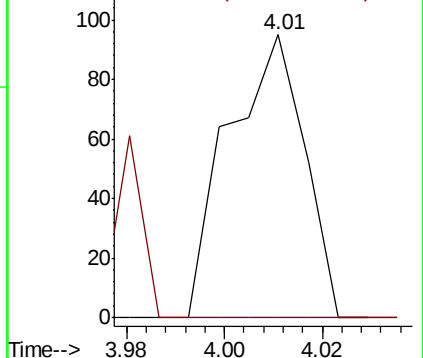
43 100

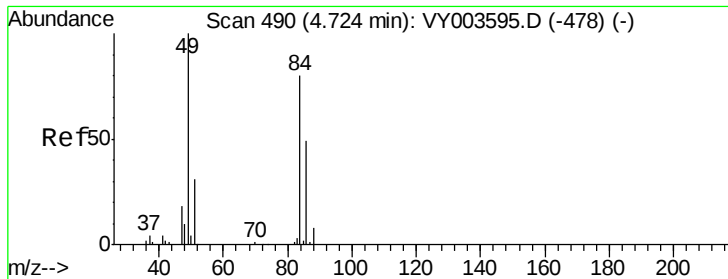
58 0.0 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

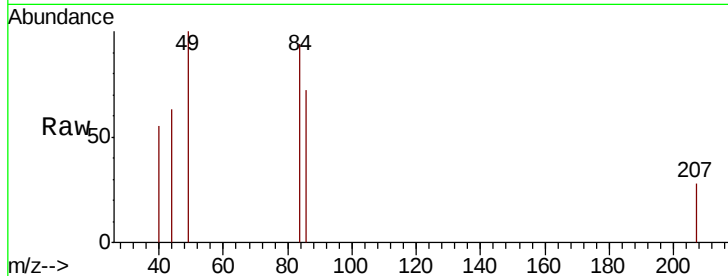




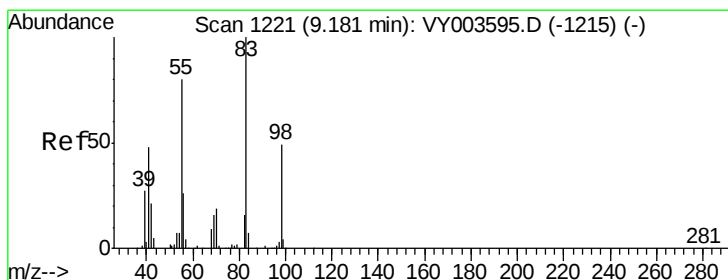
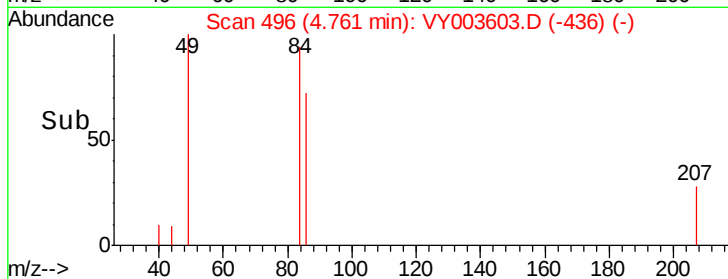
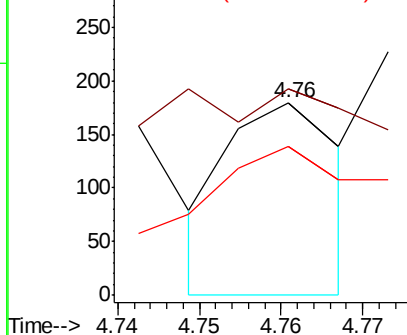
#16
Methvlene chloride
Concen: 4.910 ug/L
RT: 4.76 min Scan# 496
Delta R.T. 0.04 min
Lab File: VY003603.D
Acq: 24 Nov 2020 14:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 173
Ion Ratio Lower Upper
84 100
49 106.7 90.3 167.7
86 77.2 44.7 83.1

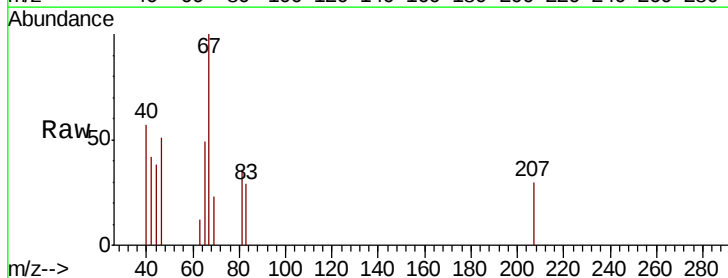


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 49.00 (48.70 to 49.70): VY0
Ion 86.00 (85.70 to 86.70): VY0

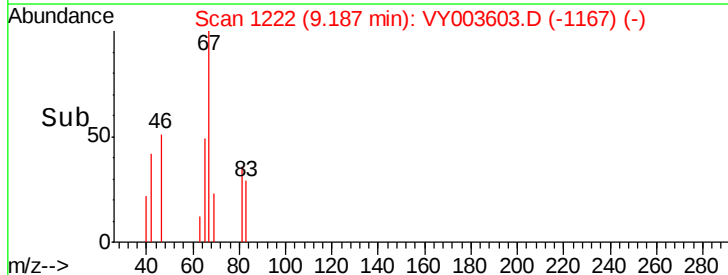
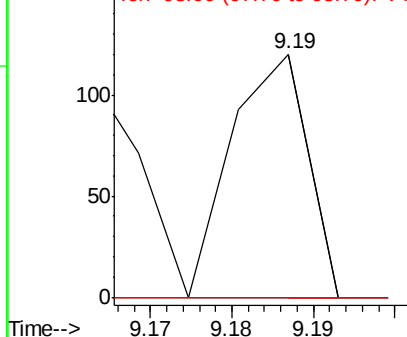


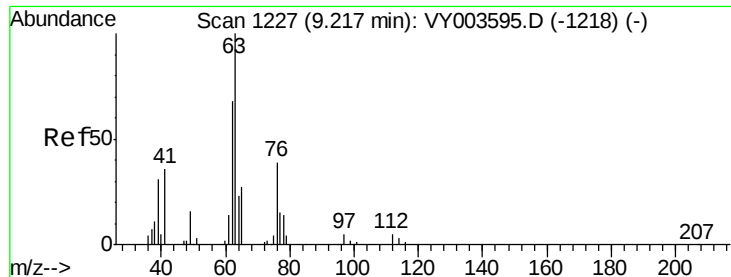
#36
Methylcyclohexane
Concen: 0.578 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.01 min
Lab File: VY003603.D
Acq: 24 Nov 2020 14:32

Tgt Ion: 83 Resp: 78
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 0.0 40.6 61.0#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

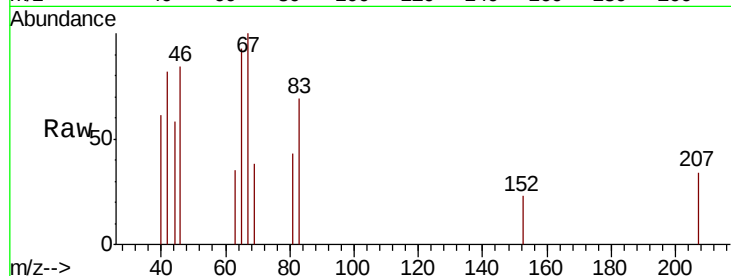




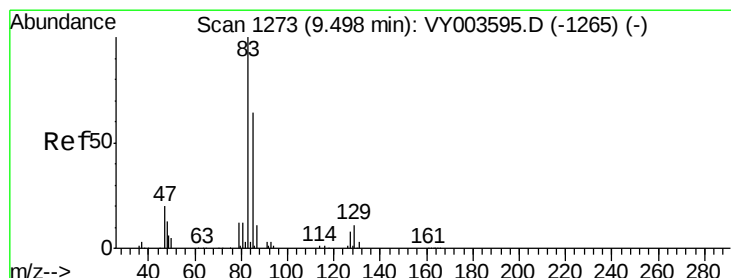
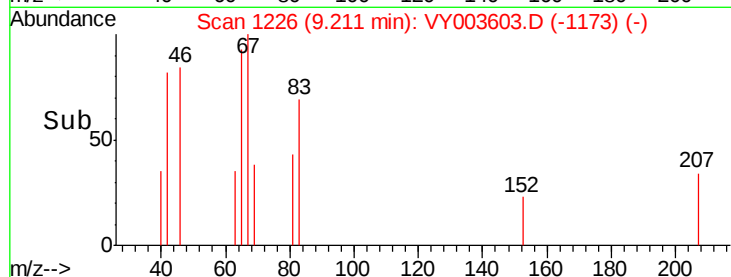
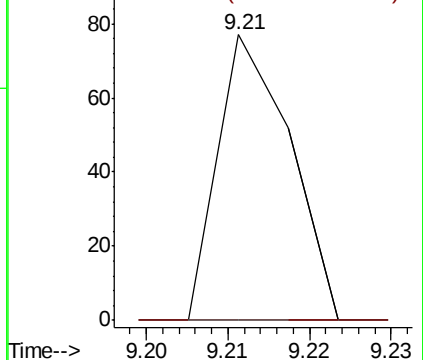
#40
 1,2-Dichloropropane
 Concen: 0.559 ug/L
 RT: 9.21 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VY003603.D
 Acq: 24 Nov 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 63 Resp: 47
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#

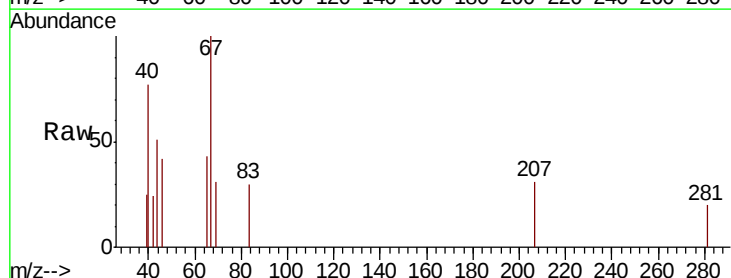


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 112.00 (111.70 to 112.70): V

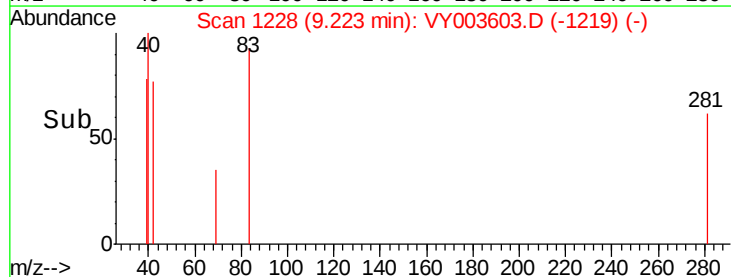
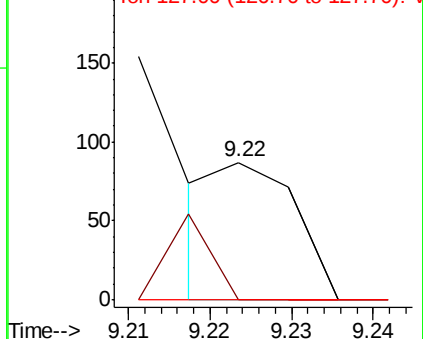


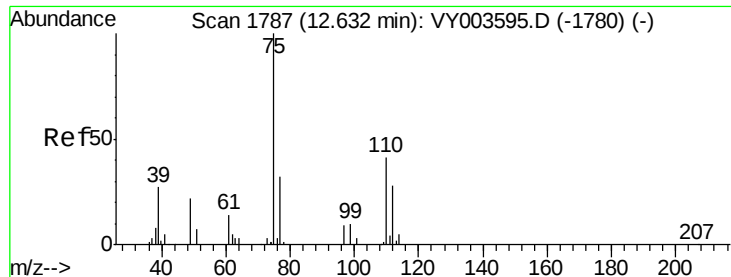
#41
 Bromodichloromethane
 Concen: 0.541 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.27 min
 Lab File: VY003603.D
 Acq: 24 Nov 2020 14:32

Tgt Ion: 83 Resp: 58
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.1 83.7#
 127 0.0 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 2.999 ug/L

RT: 13.42 min Scan# 1917

Delta R.T. 0.79 min

Lab File: VY003603.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_Y

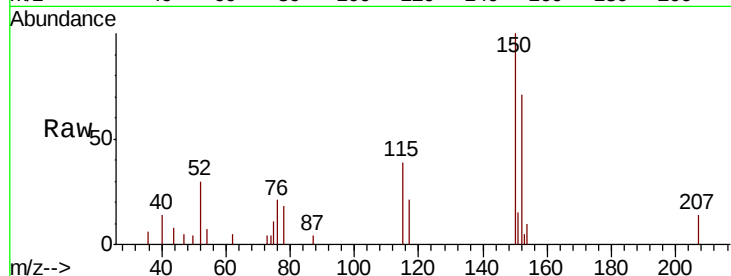
ClientSampleId :

Tot Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

150

13.42

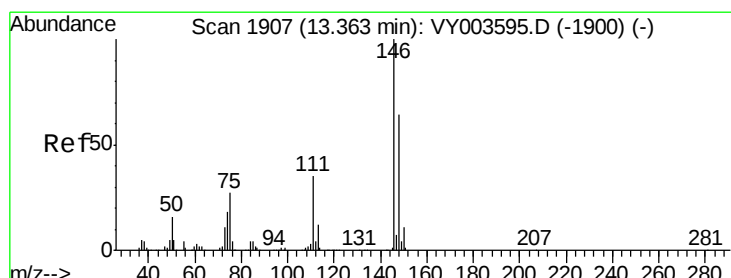
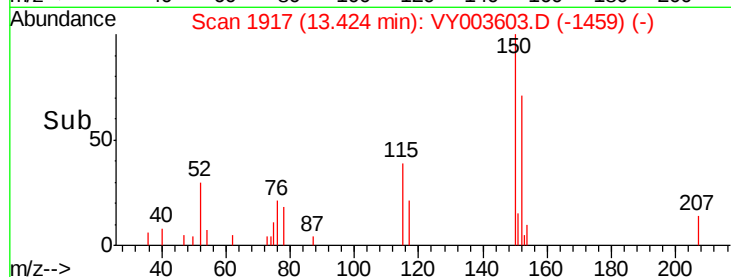
100

50

0

13.40 13.42 13.44

Time-->



#63

1,3-Dichlorobenzene

Concen: 1.199 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.08 min

Lab File: VY003603.D

Acq: 24 Nov 2020 14:32

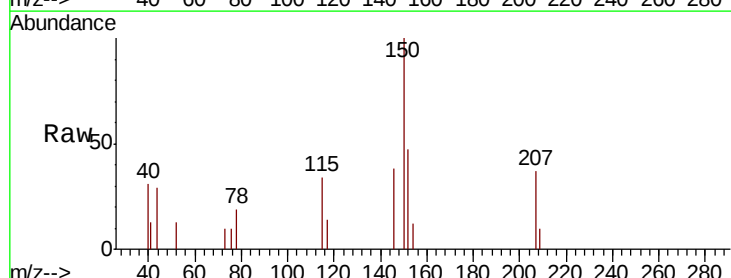
Tgt Ion: 146 Resp: 100

Ion Ratio Lower Upper

146 100

111 0.0 25.1 46.5#

148 0.0 44.7 82.9#



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

300

250

200

150

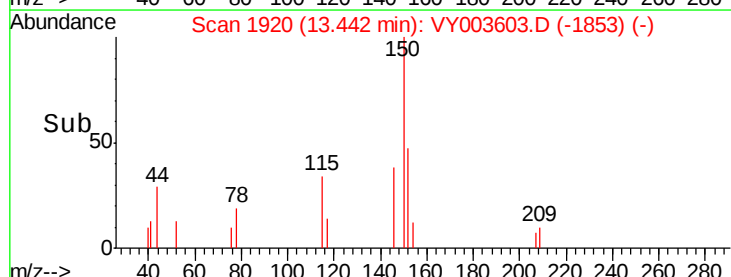
100

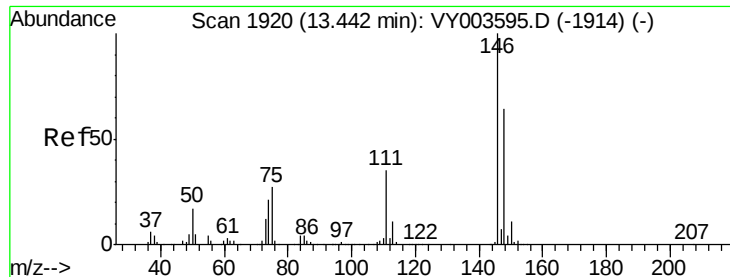
50

0

13.43 13.44 13.45

Time-->





#64

1,4-Dichlorobenzene

Concen: 1.164 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY003603.D

Acq: 24 Nov 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

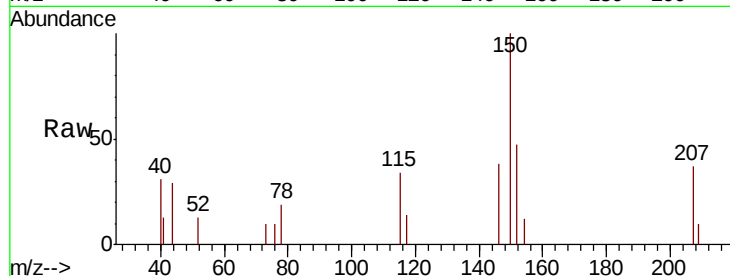
Tot Ion:146 Resp: 100

Ion Ratio Lower Upper

146 100

111 0.0 24.1 44.8#

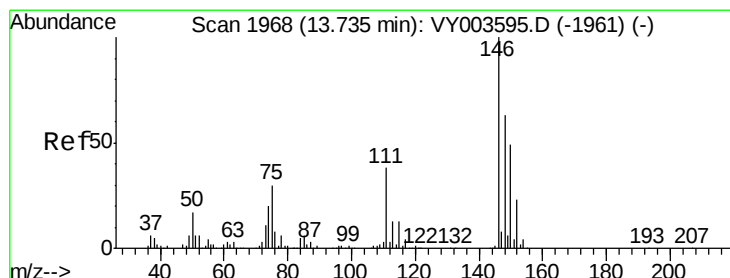
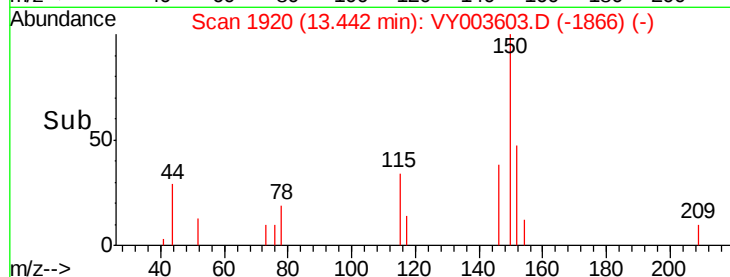
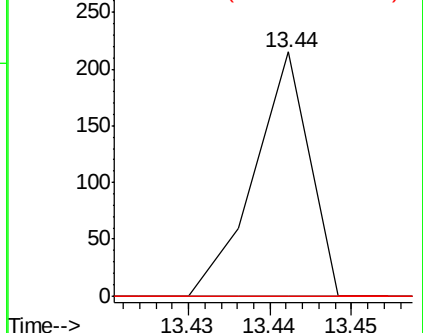
148 0.0 43.6 81.0#



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



#65

1,2-Dichlorobenzene

Concen: 1.455 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.29 min

Lab File: VY003603.D

Acq: 24 Nov 2020 14:32

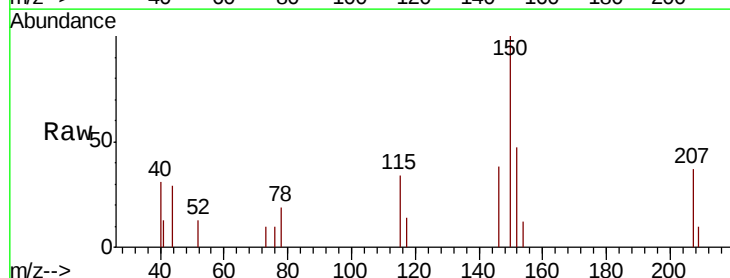
Tgt Ion:146 Resp: 100

Ion Ratio Lower Upper

146 100

111 0.0 31.0 46.6#

148 0.0 49.8 74.8#



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

