

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\
 Data File : VY003596.D
 Acq On : 24 Nov 2020 11:11
 Operator : SY/MD
 Sample : VY1124SBL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 25 06:02:59 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	8.69	114	195001	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	177015	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	77003	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	47463	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
7) Chloroethane-d5	2.77	69	45372	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.00%
10) 1,1-Dichloroethene-d2	3.86	63	88274	16.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.44%
20) 2-Butanone-d5	6.91	46	58397	53.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.78%
24) Chloroform-d	7.49	84	122227	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	8.14	65	68994	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	8.11	84	257548	24.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.88%
33) 1,2-Dichloropropane-d6	9.13	67	76097	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
37) Toluene-d8	10.18	98	221445	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.88%
38) trans-1,3-Dichloropropene-	10.44	79	36159	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.84%
39) 2-Hexanone-d5	10.79	63	41208	52.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	64094	24.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	63781	25.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.64%

Target Compounds

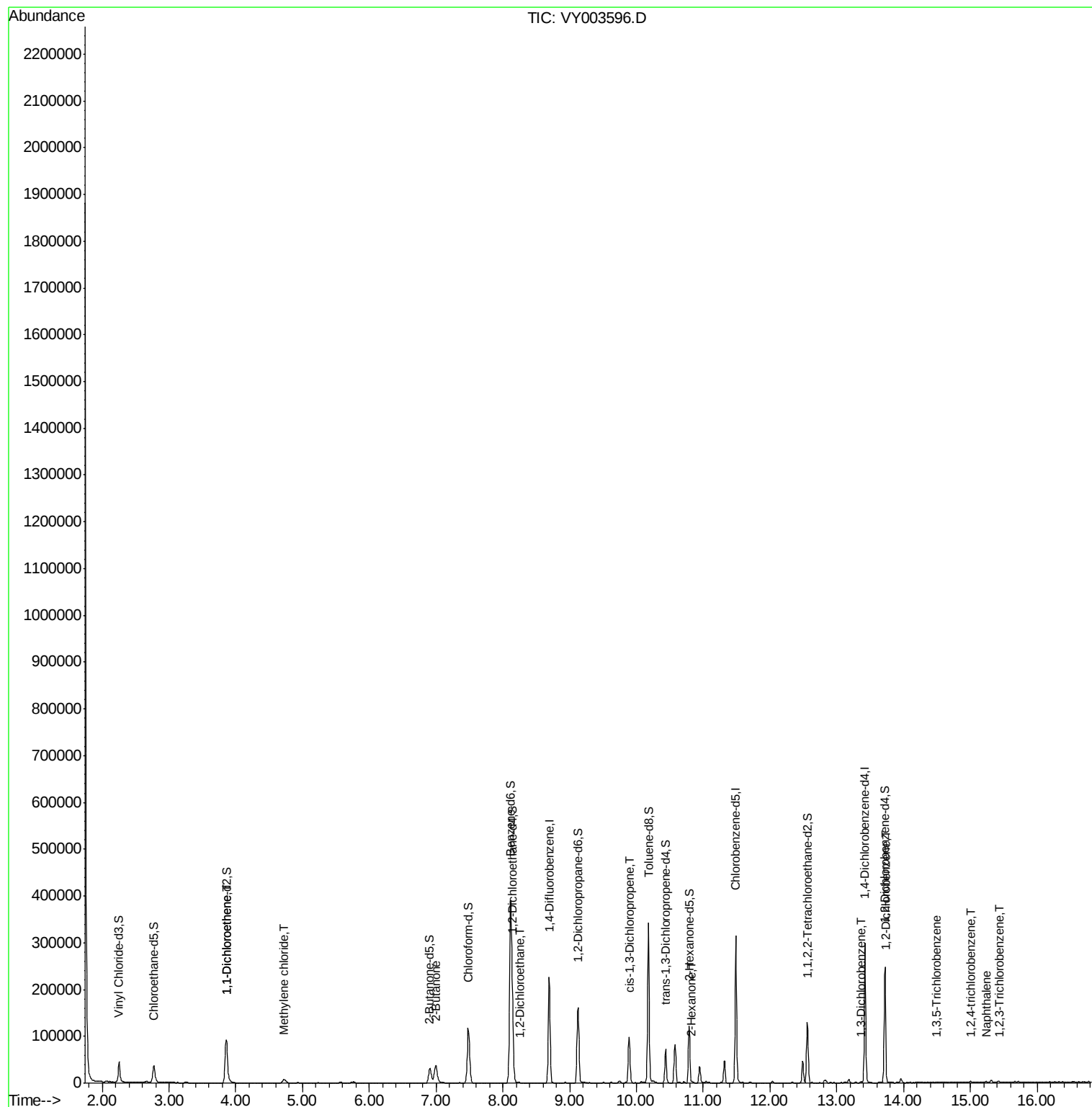
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.86	96	1014	0.375	ug/L #	1
16) Methylene chloride	4.72	84	5342	1.598	ug/L	93
21) 2-Butanone	6.99	43	1593	1.216	ug/L #	67
27) 1,2-Dichloroethane	8.24	62	762	0.236	ug/L #	74
42) cis-1,3-Dichloropropene	9.89	75	2455	0.565	ug/L #	73
49) 2-Hexanone	10.83	43	1017	0.559	ug/L #	78
63) 1,3-Dichlorobenzene	13.36	146	1105	0.227	ug/L #	72
65) 1,2-Dichlorobenzene	13.73	146	1066	0.266	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.50	180	590	0.229	ug/L #	82
68) 1,2,4-trichlorobenzene	15.01	180	691	0.311	ug/L #	82
69) Naphthalene	15.23	128	1552	0.396	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.42	180	465	0.277	ug/L #	63

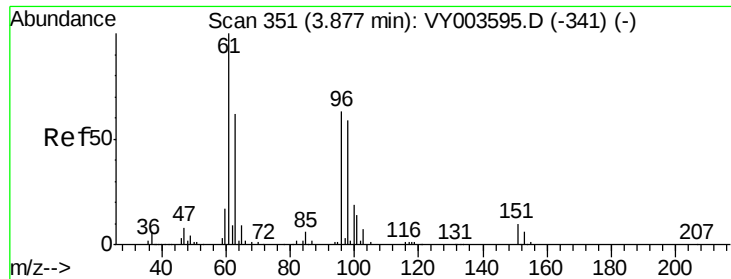
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 25 06:01:46 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.375 ug/L

RT: 3.86 min Scan# 348

Delta R.T. -0.02 min

Lab File: VY003596.D

Acq: 24 Nov 2020 11:11

Instrument :

MSVOA_Y

ClientSampled :

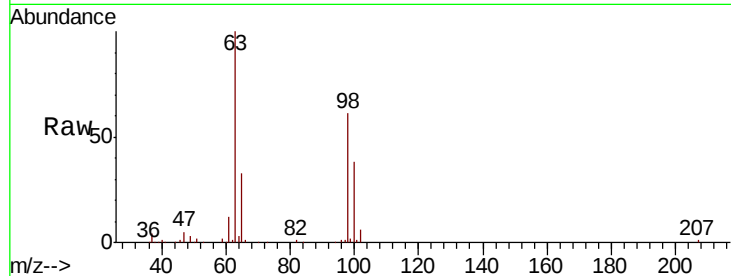
Tot Ion: 96 Resp: 1014

Ion Ratio Lower Upper

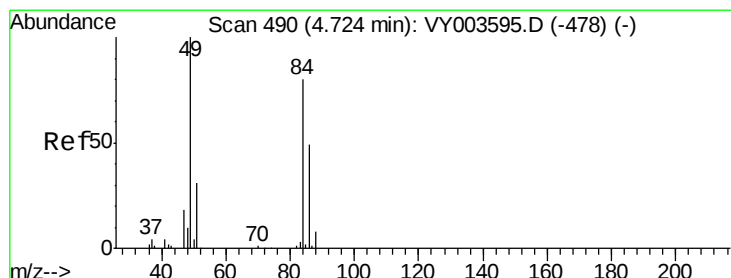
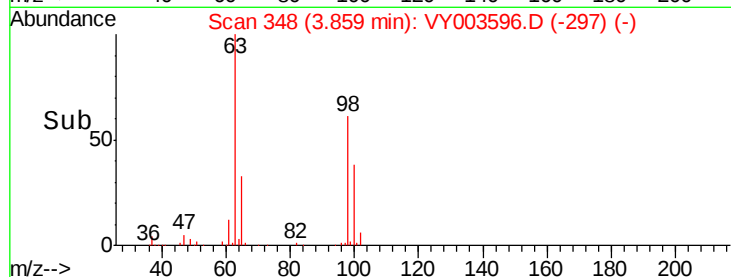
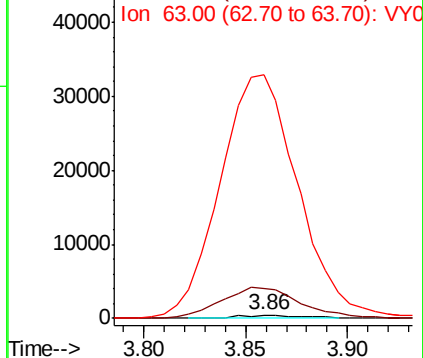
96 100

61 828.7 116.6 216.6#

63 6754.8 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



#16

Methylene chloride

Concen: 1.598 ug/L

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003596.D

Acq: 24 Nov 2020 11:11

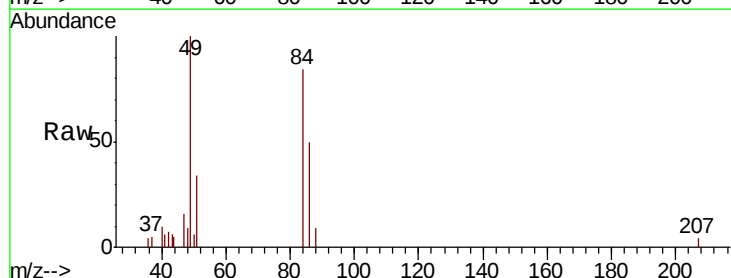
Tgt Ion: 84 Resp: 5342

Ion Ratio Lower Upper

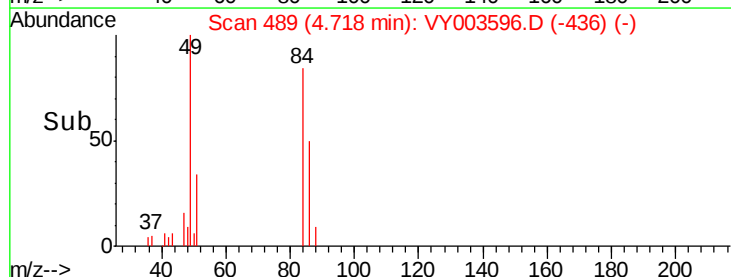
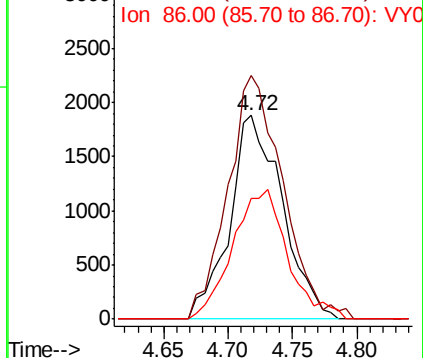
84 100

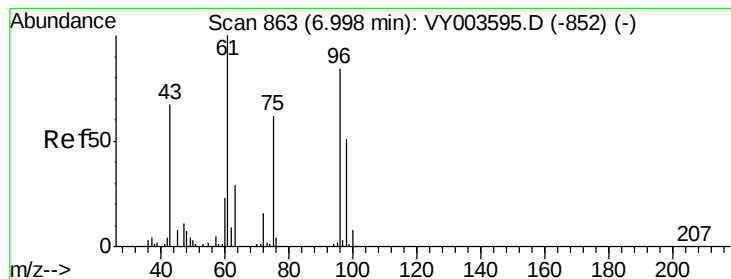
49 119.7 90.3 167.7

86 59.3 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





#21

2-Butanone

Concen: 1.216 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003596.D

Acq: 24 Nov 2020 11:11

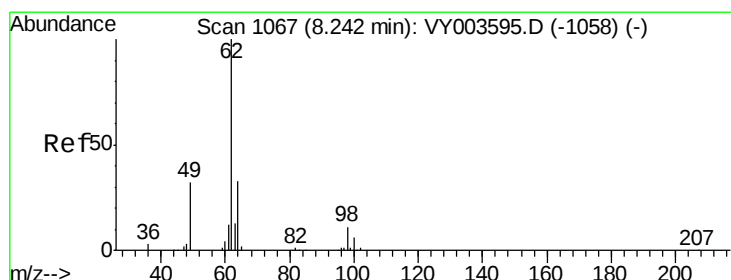
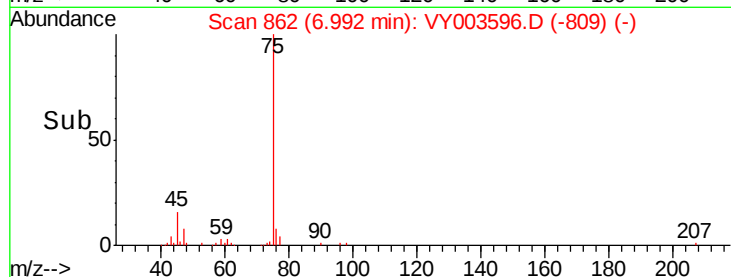
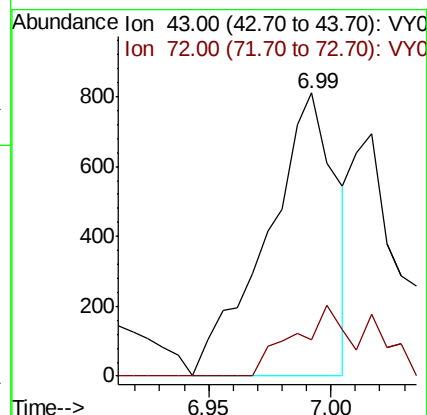
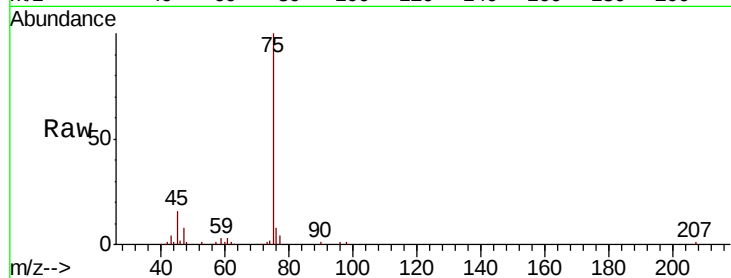
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

72 9.5 13.2 39.6#



#27

1,2-Dichloroethane

Concen: 0.236 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003596.D

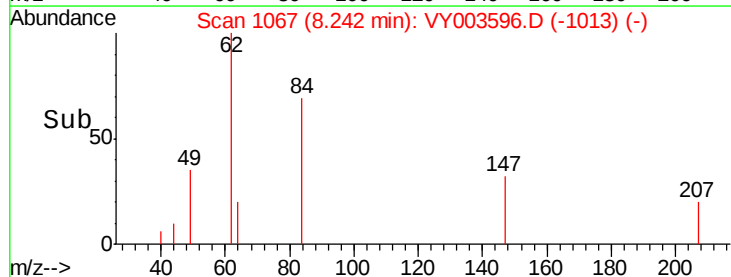
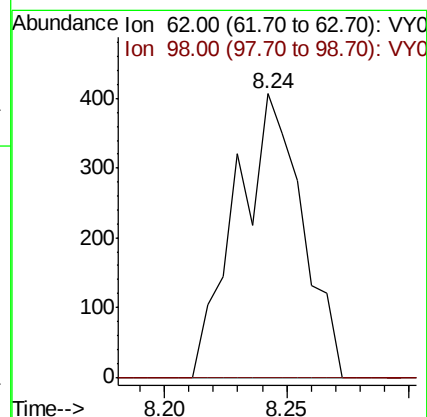
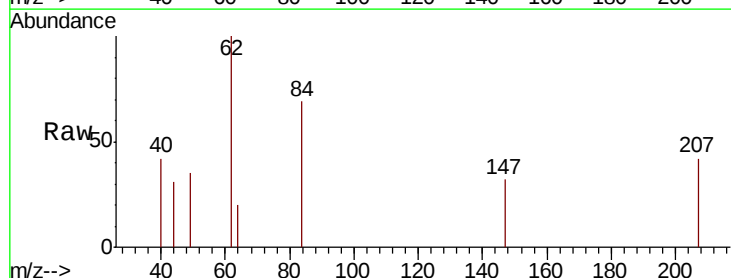
Acq: 24 Nov 2020 11:11

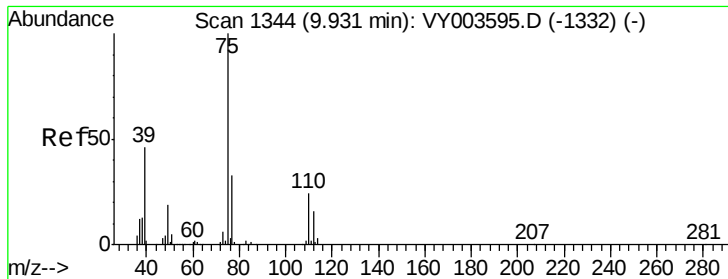
Tgt Ion: 62 Resp: 762

Ion Ratio Lower Upper

62 100

98 0.0 7.7 11.5#



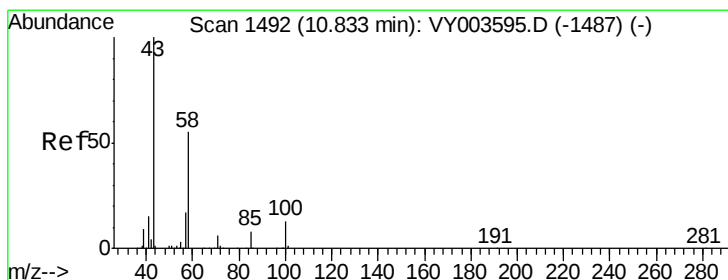
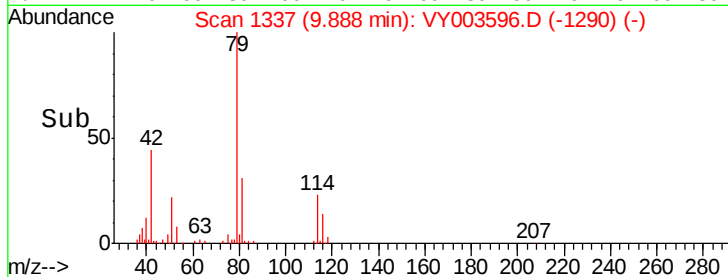
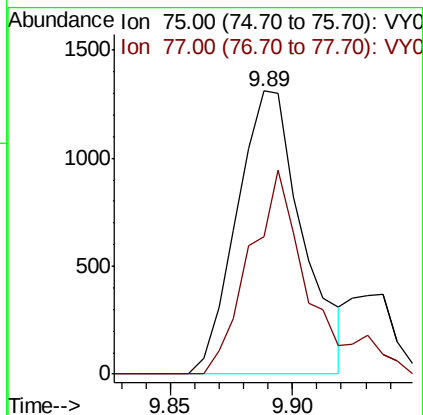
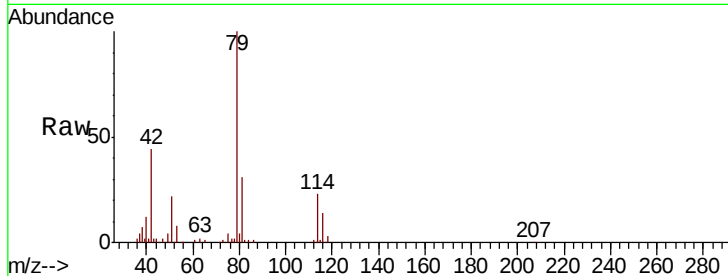


#42

cis-1,3-Dichloropropene
 Concen: 0.565 ug/L
 RT: 9.89 min Scan# 1337
 Delta R.T. -0.04 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampled :

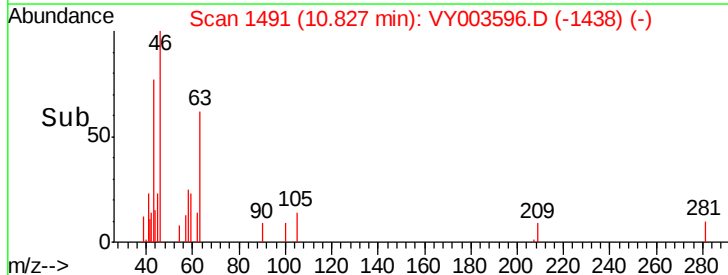
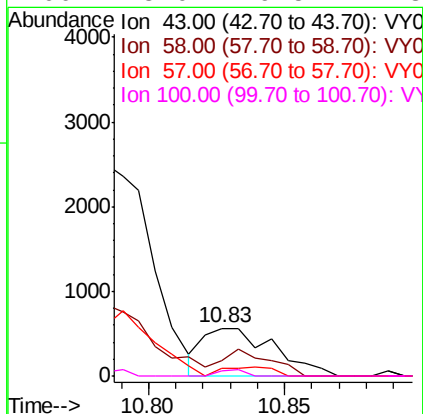
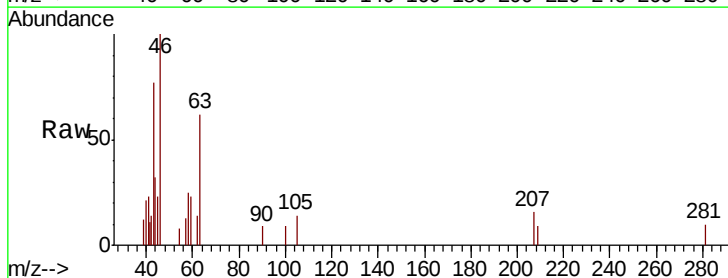
Tot Ion: 75 Resp: 2455
 Ion Ratio Lower Upper
 75 100
 77 48.6 23.2 43.0#

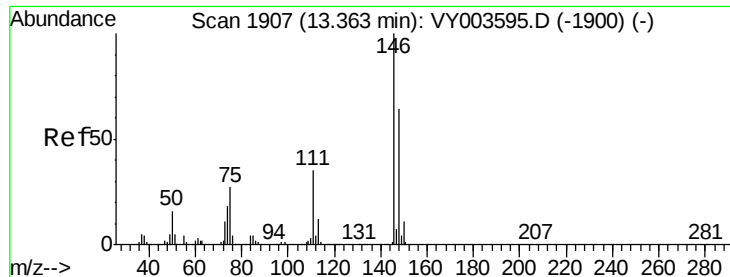


#49

2-Hexanone
 Concen: 0.559 ug/L
 RT: 10.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Tgt Ion: 43 Resp: 1017
 Ion Ratio Lower Upper
 43 100
 58 37.0 42.1 63.1#
 57 6.5 14.2 21.2#
 100 5.0 9.5 14.3#

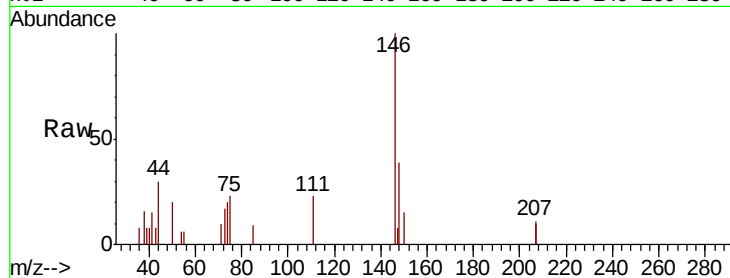




#63
 1,3-Dichlorobenzene
 Concen: 0.227 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	23.0	25.1	46.5#
148	39.4	44.7	82.9#

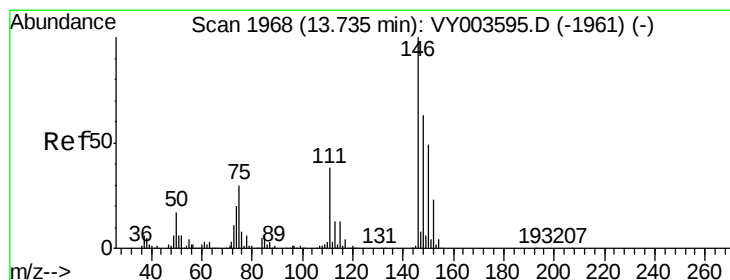
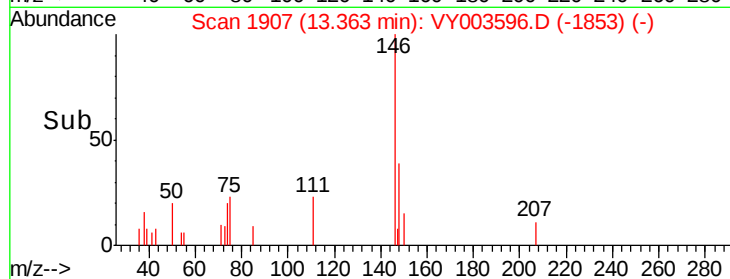
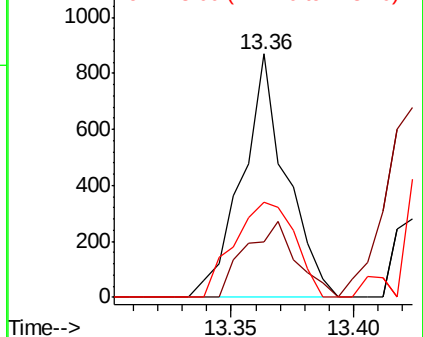


Abundance

Ion 146.00 (145.70 to 146.70): V

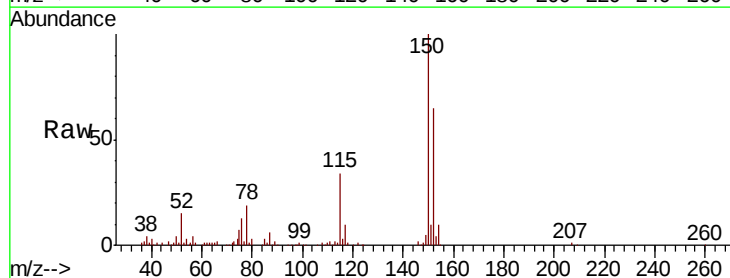
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 0.266 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	68.8	31.0	46.6#
148	53.6	49.8	74.8

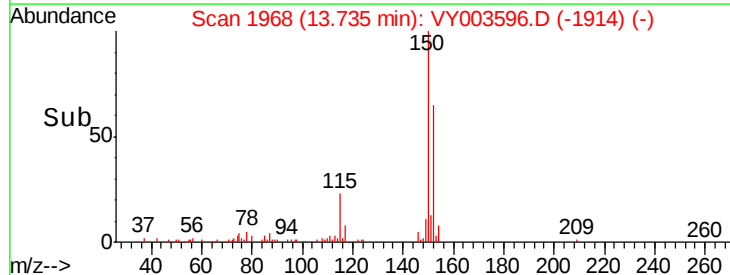
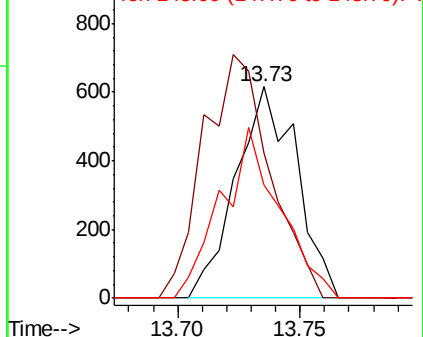


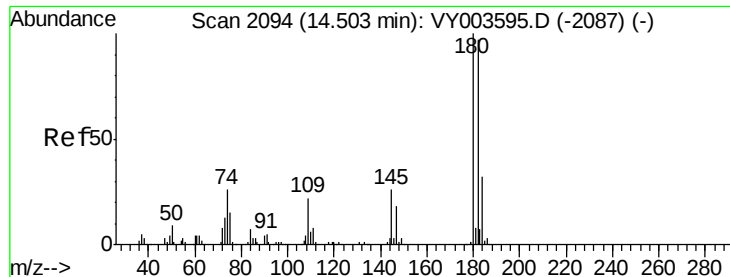
Abundance

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

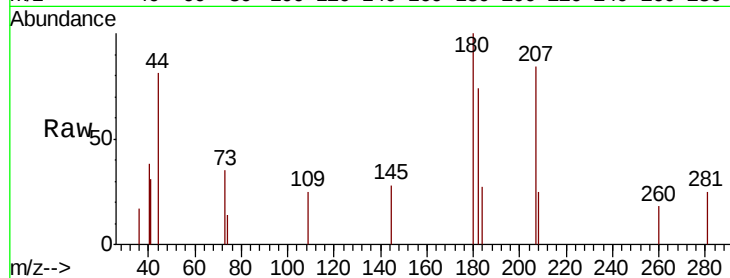




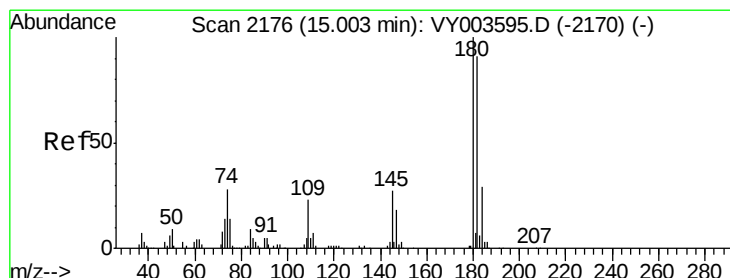
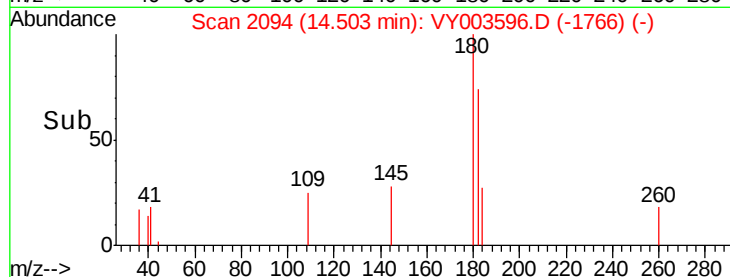
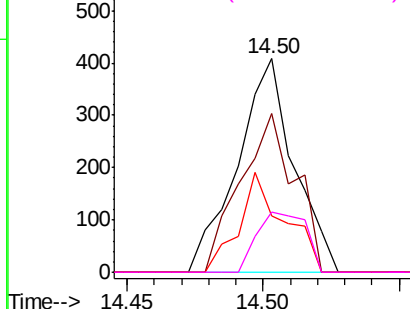
#67
 1,3,5-Trichlorobenzene
 Concen: 0.229 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 590
 Ion Ratio Lower Upper
 180 100
 182 71.4 77.3 115.9#
 184 31.9 24.4 36.6
 145 24.2 22.4 33.6

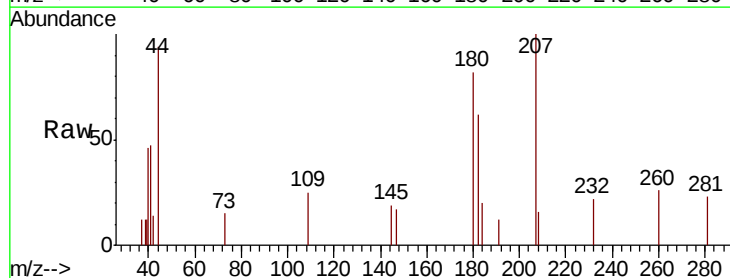


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

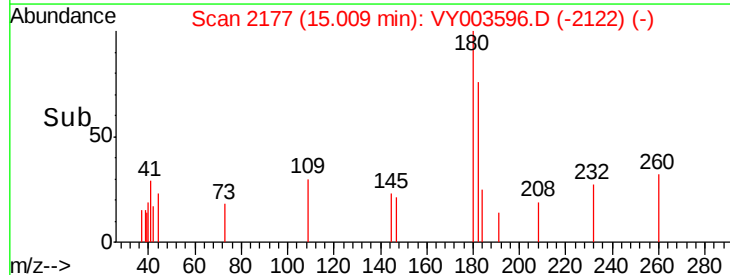
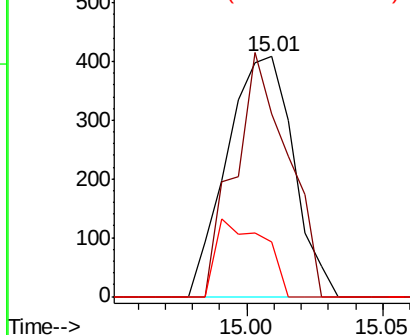


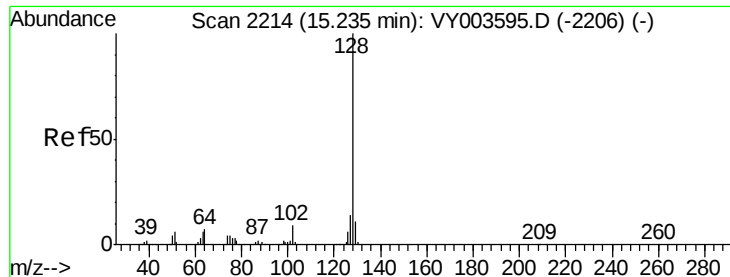
#68
 1,2,4-trichlorobenzene
 Concen: 0.311 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003596.D
 Acq: 24 Nov 2020 11:11

Tgt Ion:180 Resp: 691
 Ion Ratio Lower Upper
 180 100
 182 81.3 76.5 114.7
 145 12.6 22.8 34.2#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.396 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003596.D

Acq: 24 Nov 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

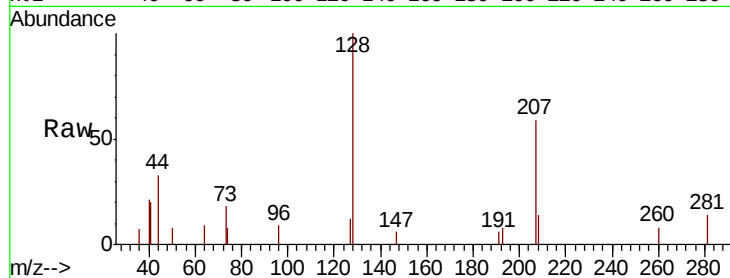
Tot Ion:128 Resp: 1552

Ion Ratio Lower Upper

128 100

129 6.3 8.5 12.7#

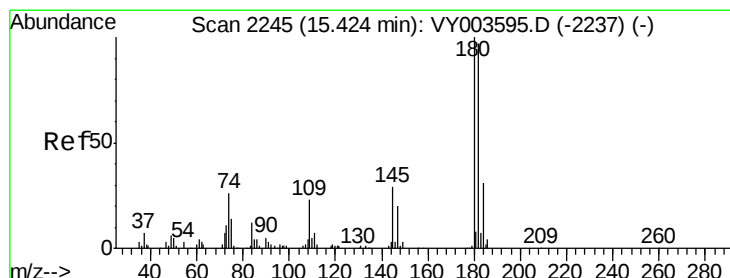
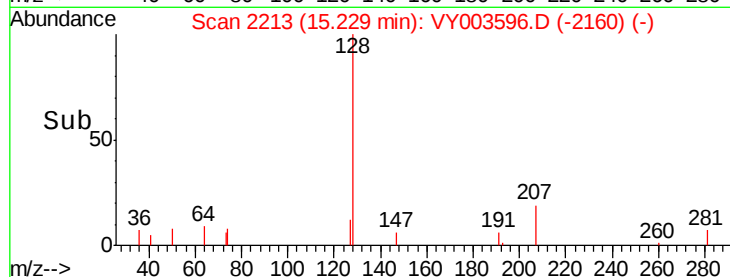
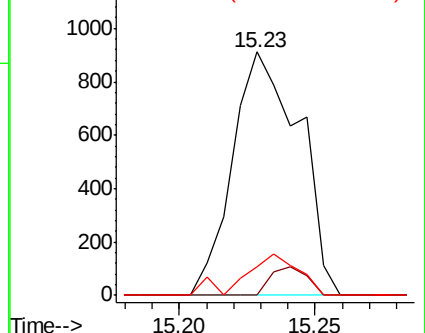
127 12.2 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.277 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003596.D

Acq: 24 Nov 2020 11:11

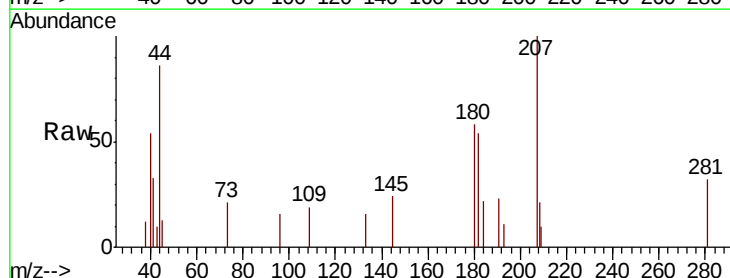
Tgt Ion:180 Resp: 465

Ion Ratio Lower Upper

180 100

182 55.7 76.5 114.7#

145 46.0 25.2 37.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

