

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120220\
 Data File : VY003646.D
 Acq On : 02 Dec 2020 12:43
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 2:03:10 PM

Quant Time: Dec 03 01:30:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Dec 03 01:26:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	208822	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193372	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	91492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	61252	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
7) Chloroethane-d5	2.77	69	49414	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	3.86	63	95256	17.54	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.16%
21) 2-Butanone-d5	6.90	46	61404	52.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.84%
24) Chloroform-d	7.49	84	118891	22.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	8.15	65	67553	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	8.12	84	258275	23.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	9.12	67	78310	23.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	10.18	98	227720	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.44	79	34512	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.08%
47) 2-Hexanone-d5	10.79	63	43633	48.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.58%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	77952	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.12%
66) 1,2-Dichlorobenzene-d4	13.72	152	79256	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	2523	1.041 ug/L	92
3) Chloromethane	2.12	50	3042	1.157 ug/L	99
5) Vinyl chloride	2.25	62	3549	1.258 ug/L #	56
6) Bromomethane	2.66	94	2212	1.253 ug/L	82
8) Chloroethane	2.80	64	1909	1.084 ug/L	93
9) Trichlorofluoromethane	3.13	101	5365m	1.253 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3139	1.099 ug/L #	72
12) 1,1-Dichloroethene	3.88	96	4188	1.543 ug/L #	1
13) Acetone	3.97	43	2428	2.892 ug/L	79
14) Carbon disulfide	4.21	76	9493	1.059 ug/L	98
15) Methyl Acetate	4.49	43	2247m	1.111 ug/L	
16) Methylene chloride	4.73	84	9573	2.716 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	3351	1.124 ug/L #	79
18) Methyl tert-butyl Ether	5.23	73	6695	0.919 ug/L #	67
19) 1,1-Dichloroethane	6.03	63	5159	1.028 ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	3187	1.019 ug/L	87
22) 2-Butanone	7.00	43	4473	3.169 ug/L #	74

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Quant Time: Dec 03 01:30:25 2020
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 01:26:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	1683	1.104	ug/L #	77
25) Chloroform	7.51	83	5759	1.145	ug/L	99
27) 1,2-Dichloroethane	8.25	62	3320	1.003	ug/L #	91
29) Cyclohexane	7.78	56	4347	0.947	ug/L	96
30) 1,1,1-Trichloroethane	7.72	97	4611	1.046	ug/L	99
31) Carbon tetrachloride	7.91	117	4199m	1.055	ug/L	
33) Benzene	8.17	78	12186	1.031	ug/L	100
34) Trichloroethene	8.94	95	3096	1.050	ug/L	91
35) Methylcyclohexane	9.19	83	4628	0.918	ug/L	89
37) 1,2-Dichloropropane	9.22	63	2955	0.985	ug/L #	91
38) Bromodichloromethane	9.50	83	3805	1.008	ug/L	91
39) cis-1,3-Dichloropropene	9.93	75	4707	1.016	ug/L	91
40) 4-Methyl-2-pentanone	10.07	43	6233	2.366	ug/L	97
42) Toluene	10.25	91	13045	1.051	ug/L	95
44) trans-1,3-Dichloropropene	10.47	75	6031	1.410	ug/L	91
45) 1,1,2-Trichloroethane	10.65	97	2884	1.145	ug/L #	77
46) Tetrachloroethene	10.72	164	2692	1.066	ug/L	92
48) 2-Hexanone	10.83	43	4014	2.088	ug/L	95
49) Dibromochloromethane	10.98	129	2711	0.931	ug/L	100
50) 1,2-Dibromoethane	11.09	107	2408	0.988	ug/L #	96
51) Chlorobenzene	11.51	112	8277	1.035	ug/L	97
52) Ethylbenzene	11.59	91	13352	1.005	ug/L	95
53) m,p-Xylene	11.70	106	4754	0.915	ug/L	78
54) o-Xylene	12.03	106	4451	0.907	ug/L	97
55) Styrene	12.04	104	7619	0.908	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.58	83	3807	1.140	ug/L #	97
59) Bromoform	12.21	173	1986	1.106	ug/L	97
60) Isopropylbenzene	12.33	105	11049	0.945	ug/L	96
61) 1,2,3-Trichloropropane	12.64	75	2357	1.077	ug/L	92
62) 1,3,5-Trimethylbenzene	12.81	105	8557	0.923	ug/L	95
63) 1,2,4-Trimethylbenzene	13.12	105	8082	0.882	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	5820	1.028	ug/L	90
65) 1,4-Dichlorobenzene	13.44	146	6508	1.132	ug/L	94
67) 1,2-Dichlorobenzene	13.73	146	5889	1.108	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.36	75	638m	1.257	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4199	1.056	ug/L	93
70) 1,2,4-trichlorobenzene	15.00	180	3361	0.993	ug/L	98
71) Naphthalene	15.23	128	6166	0.834	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	2952	0.949	ug/L	100

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

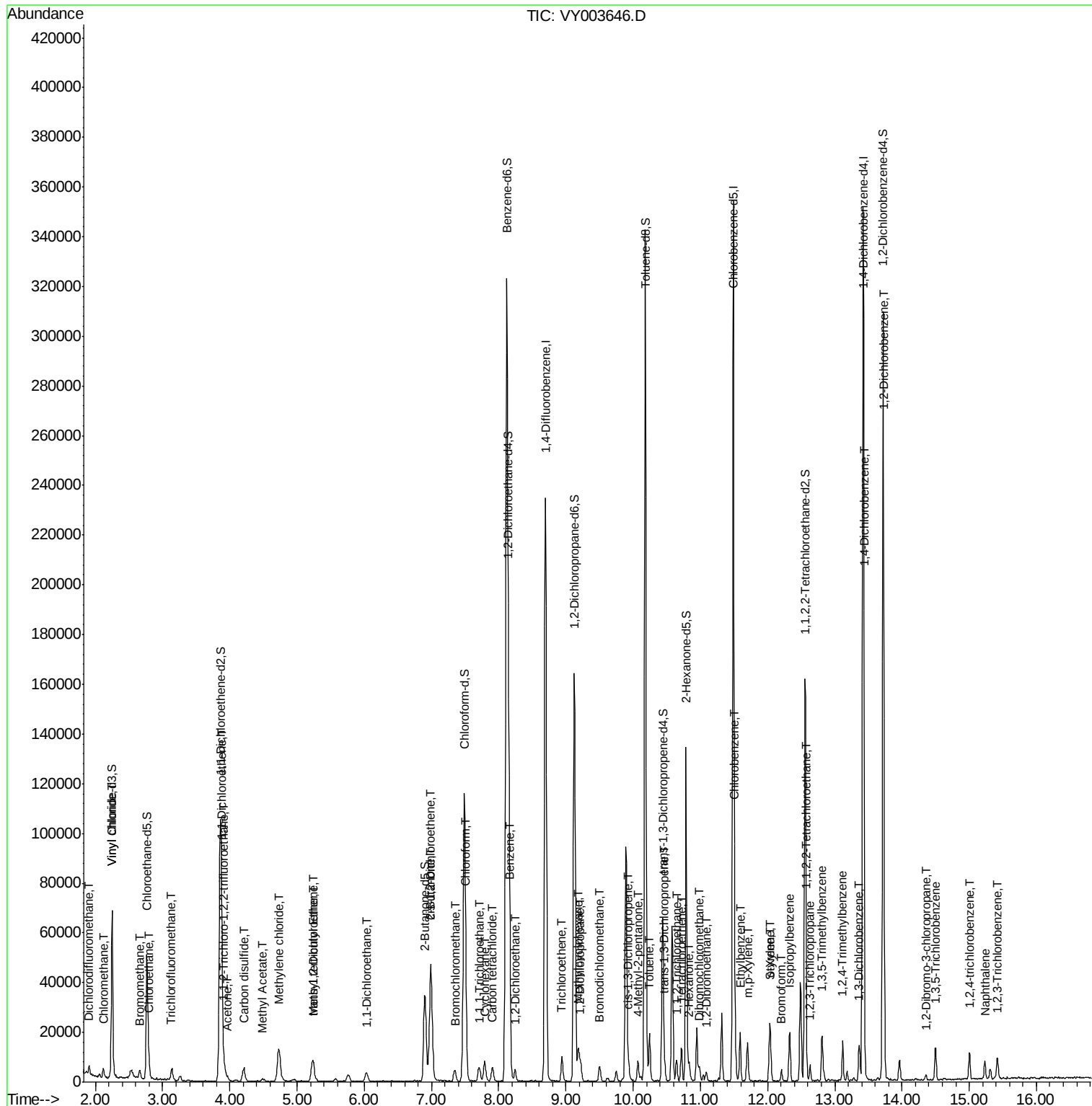
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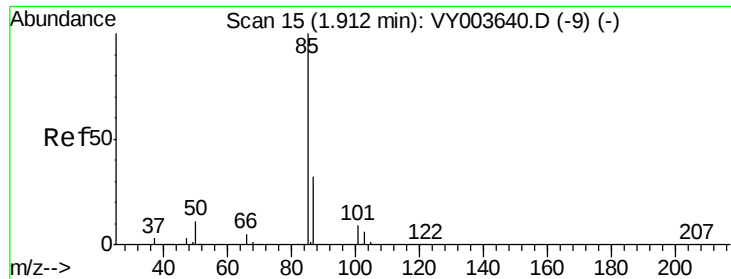
Instrument :
MSVOA_Y
ClientSampled :
MDL02

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.041 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 2523

Ion Ratio Lower Upper

85 100

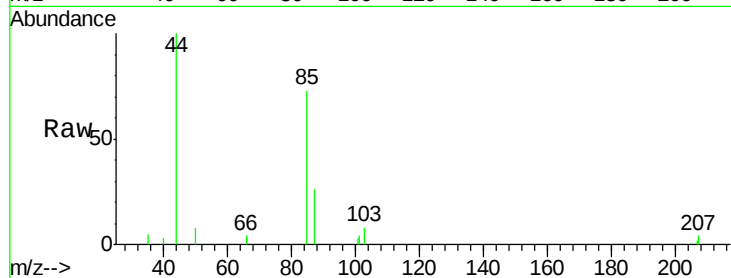
87 36.4 25.4 38.2

Manual Integrations

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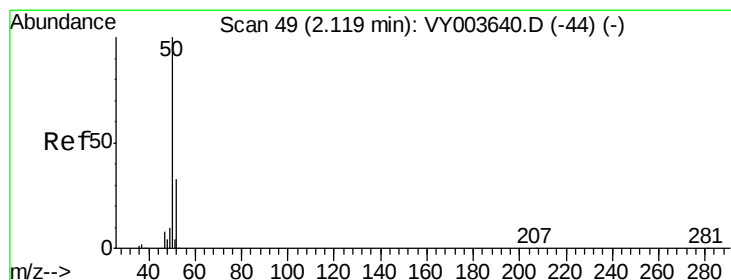
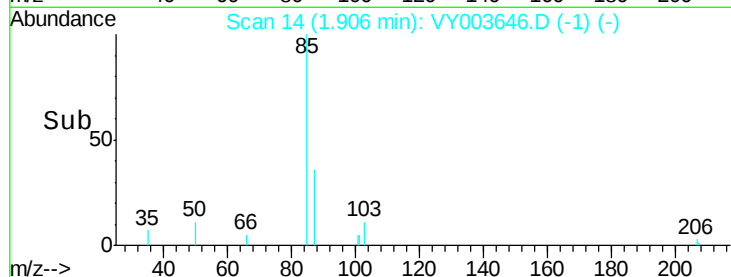
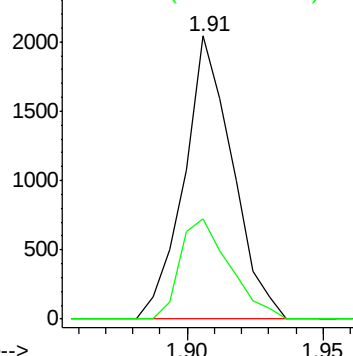
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.157 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003646.D

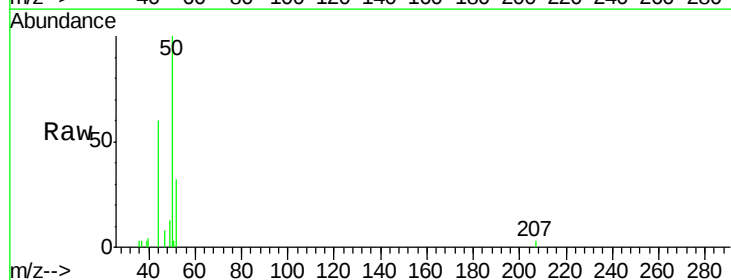
Acq: 02 Dec 2020 12:43

Tgt Ion: 50 Resp: 3042

Ion Ratio Lower Upper

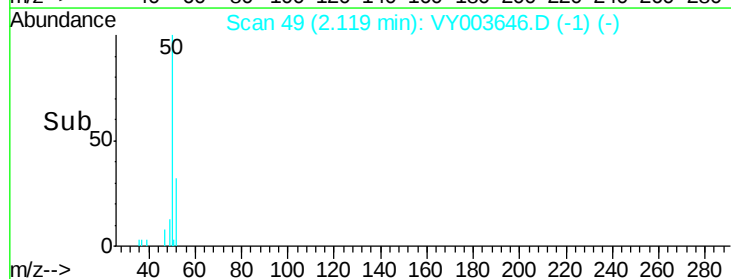
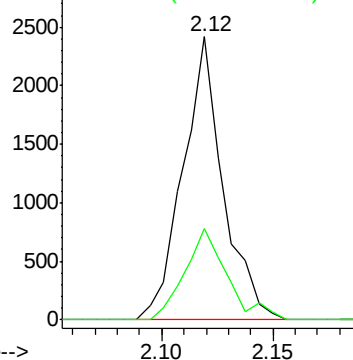
50 100

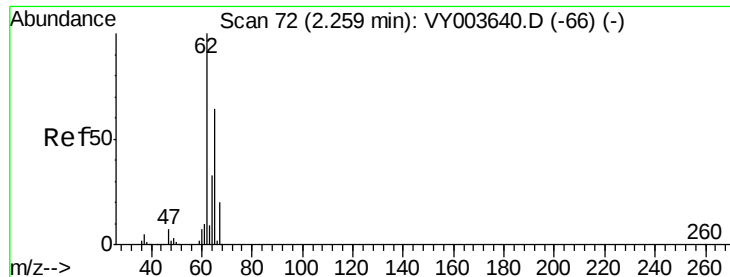
52 32.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.258 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tot Ion: 62 Resp: 3549

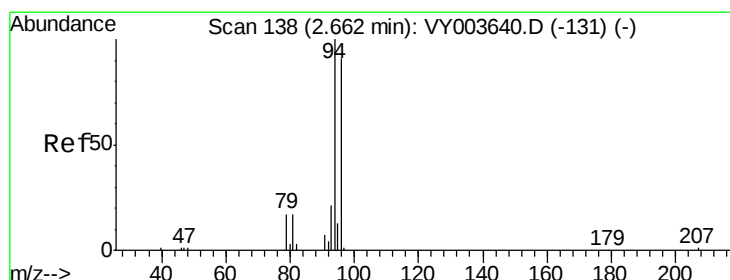
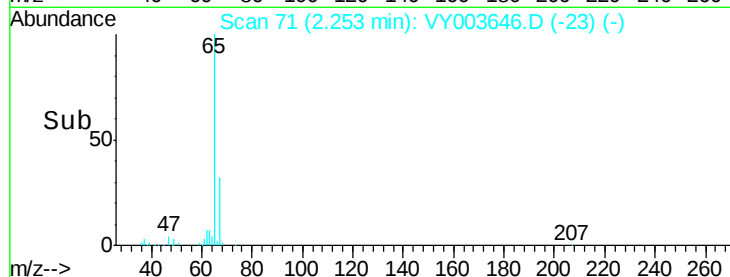
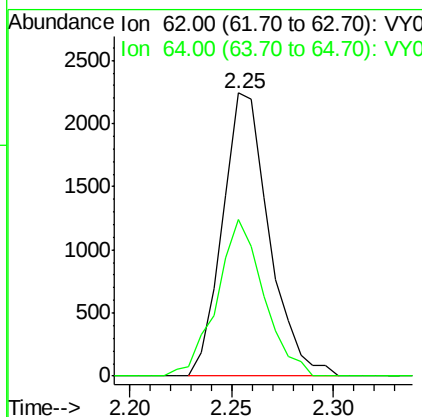
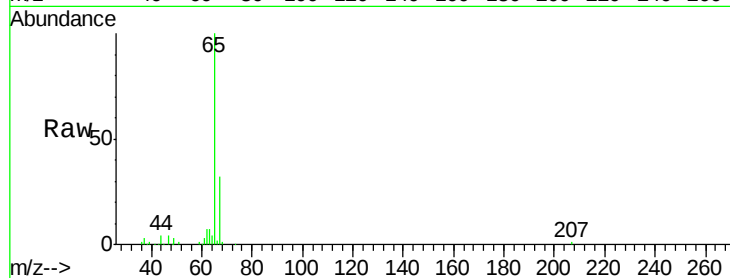
Ion Ratio Lower Upper

62 100

64 55.6 21.9 40.7#

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#6

Bromomethane

Concen: 1.253 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003646.D

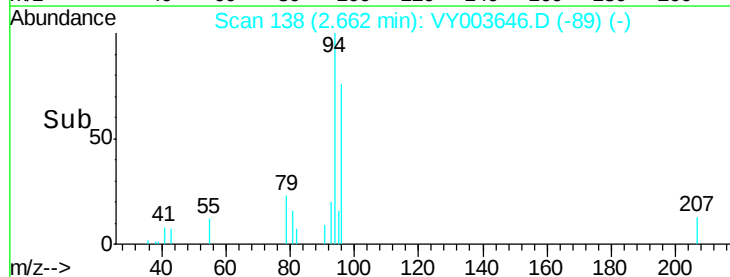
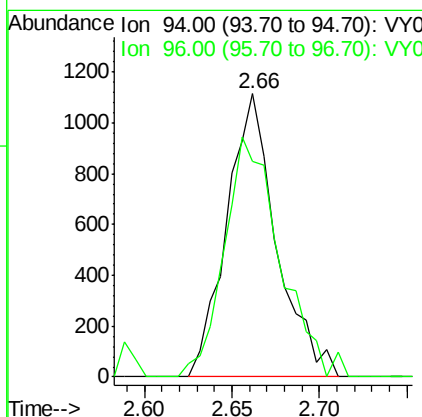
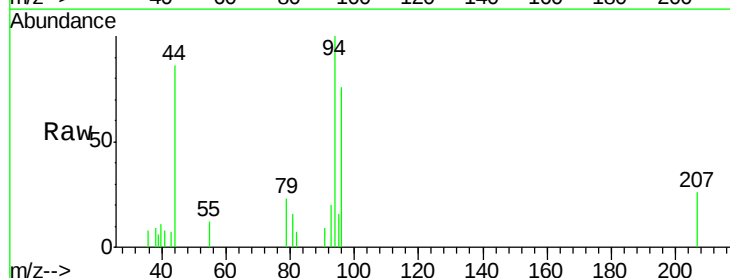
Acq: 02 Dec 2020 12:43

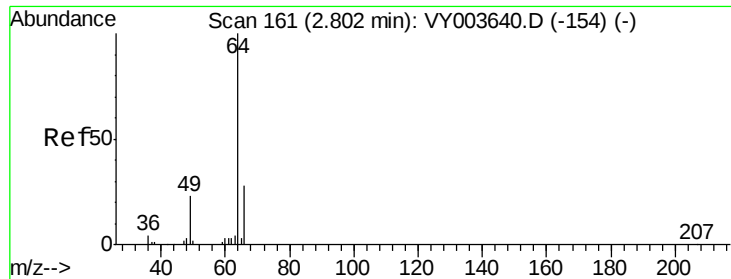
Tgt Ion: 94 Resp: 2212

Ion Ratio Lower Upper

94 100

96 76.2 65.2 121.0





#8

Chloroethane

Concen: 1.084 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 1909

Ion Ratio Lower Upper

64 100

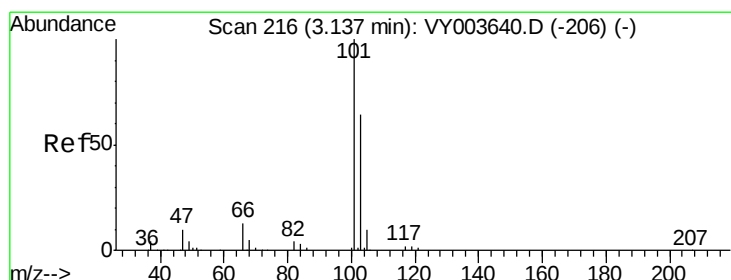
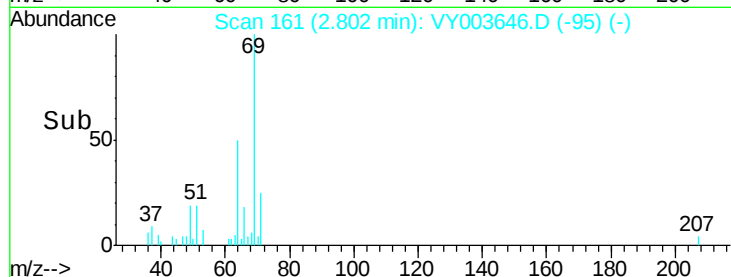
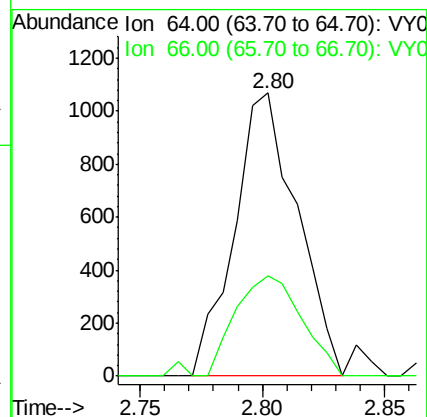
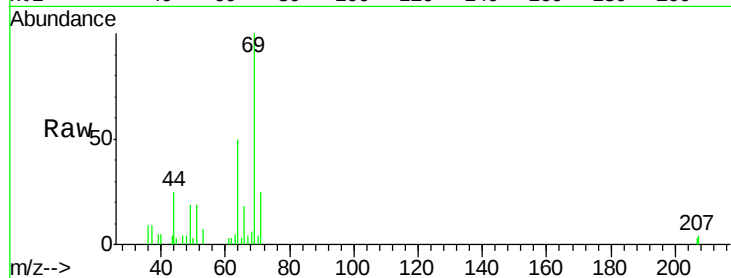
66 35.4 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.253 ug/L m

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003646.D

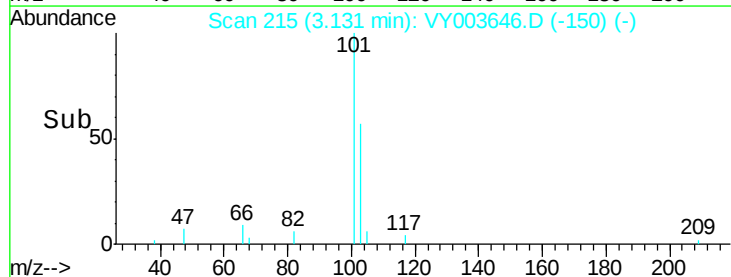
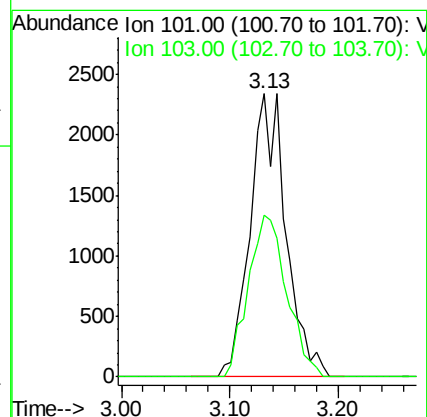
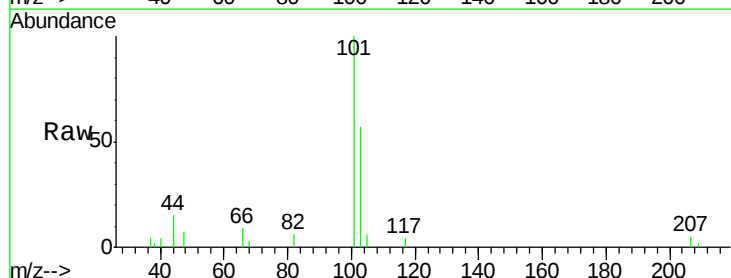
Acq: 02 Dec 2020 12:43

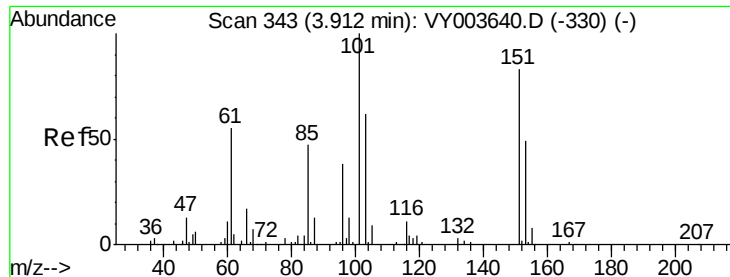
Tgt Ion: 101 Resp: 5365

Ion Ratio Lower Upper

101 100

103 61.3 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.099 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

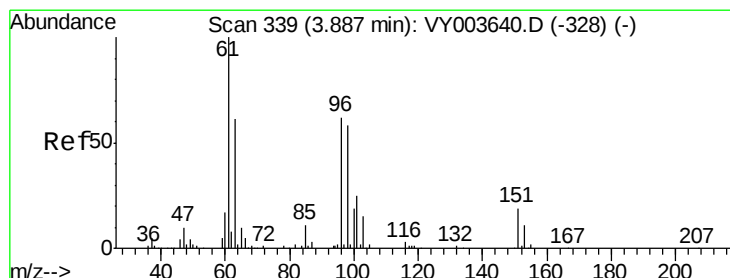
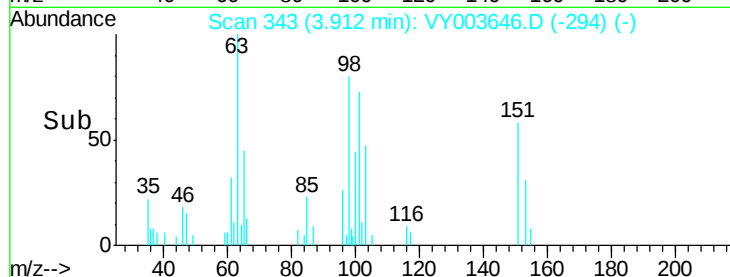
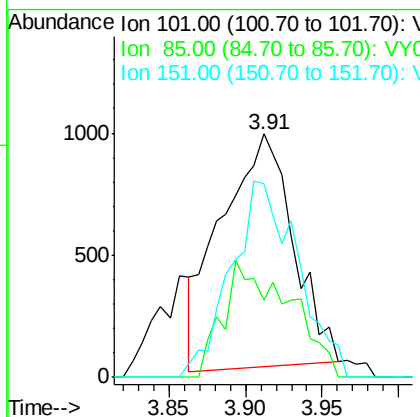
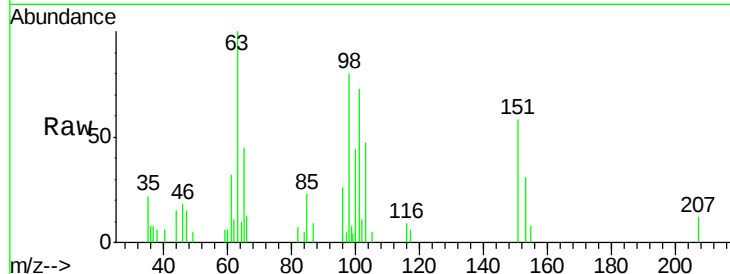
ClientSampled :

MDL02

Tot Ion:	101	Resp:	3139
Ion Ratio	Lower	Upper	
101	100		
85	26.6	35.6	53.4#
151	55.7	64.2	96.2#

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#12

1,1-Dichloroethene

Concen: 1.543 ug/L

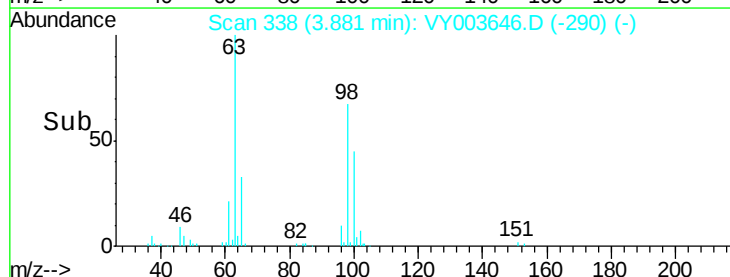
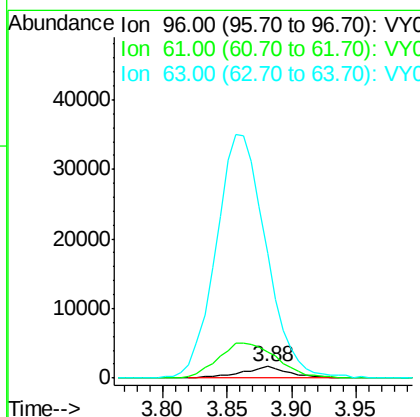
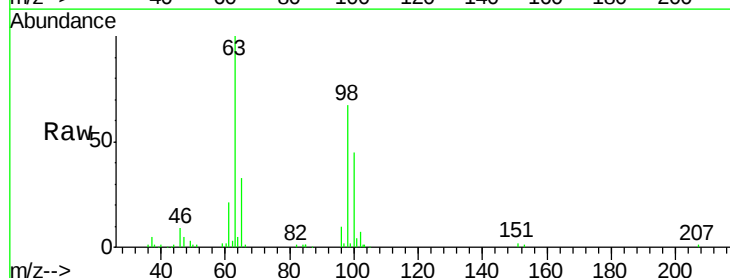
RT: 3.88 min Scan# 338

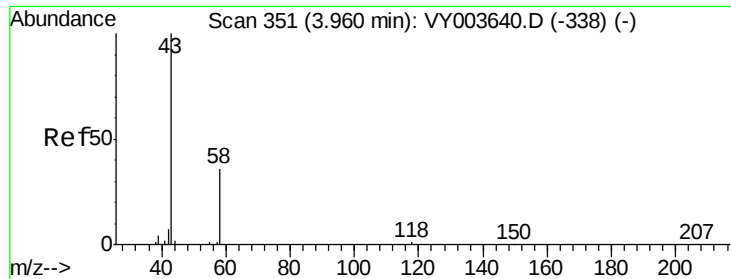
Delta R.T. -0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Tgt Ion:	96	Resp:	4188
Ion Ratio	Lower	Upper	
96	100		
61	217.5	106.1	197.1#
63	1052.5	62.9	116.9#





#13

Acetone

Concen: 2.892 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 2428

Ion Ratio Lower Upper

43 100

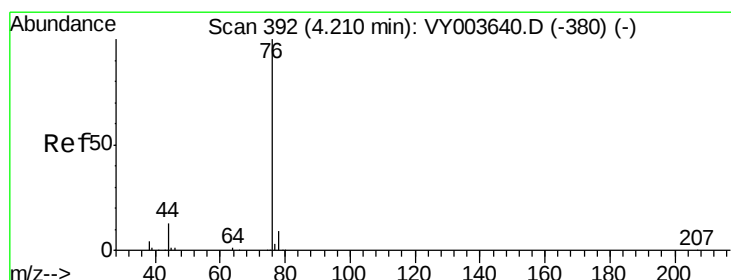
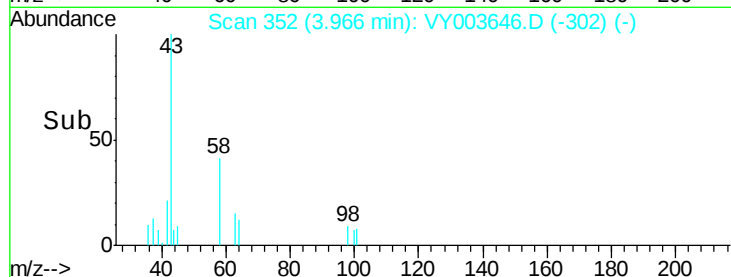
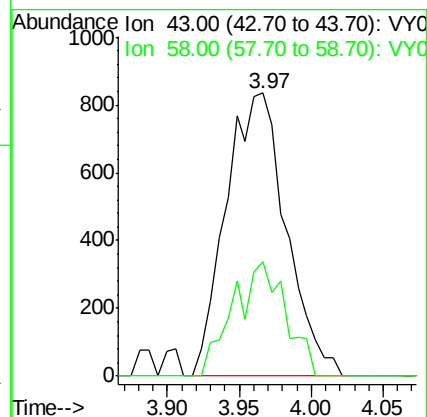
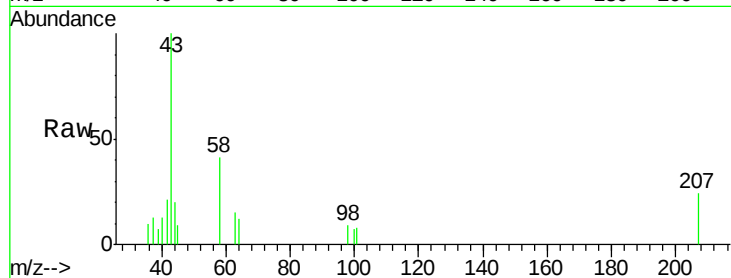
58 19.4 0.0 61.6

Manual Integrations

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#14

Carbon disulfide

Concen: 1.059 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003646.D

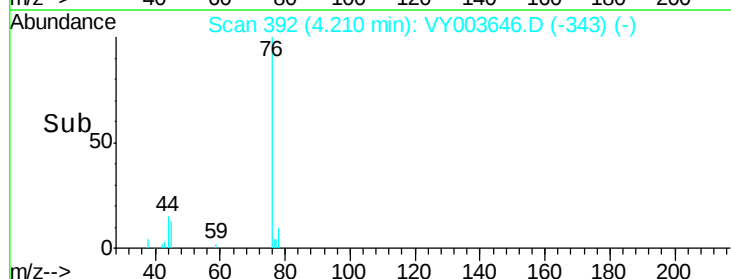
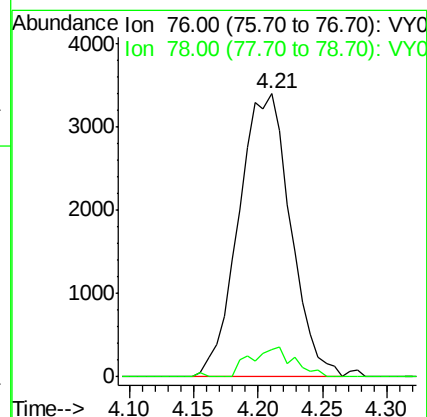
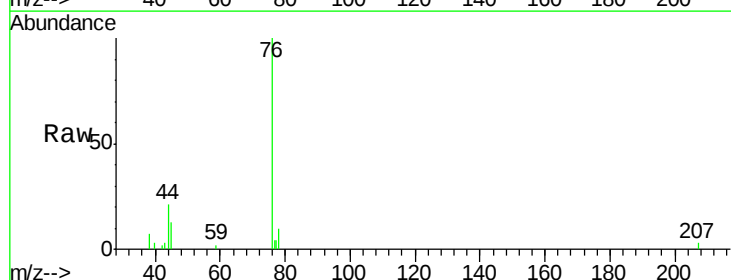
Acq: 02 Dec 2020 12:43

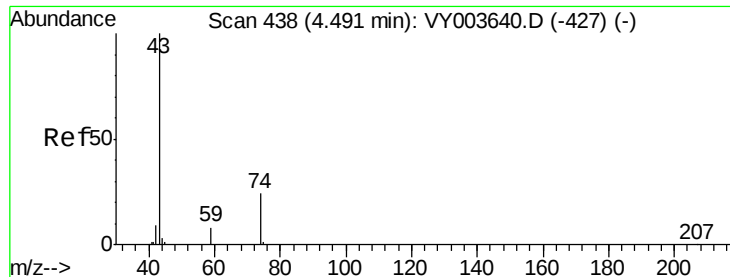
Tgt Ion: 76 Resp: 9493

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9





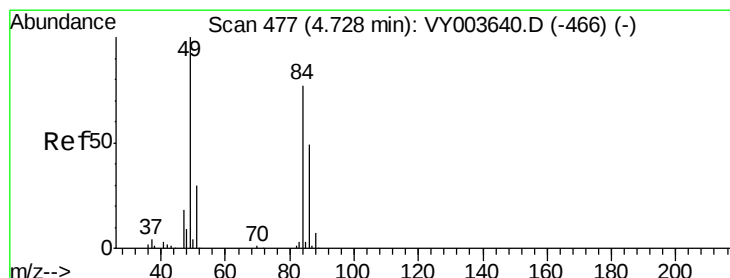
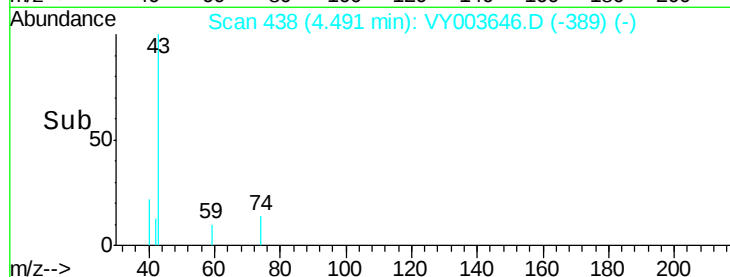
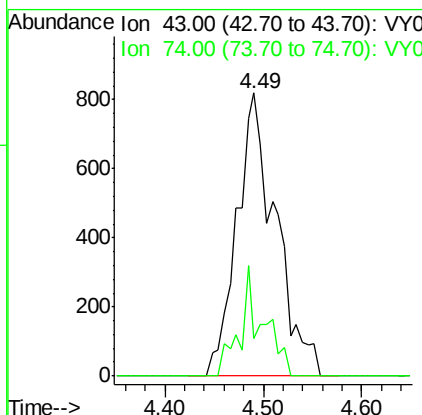
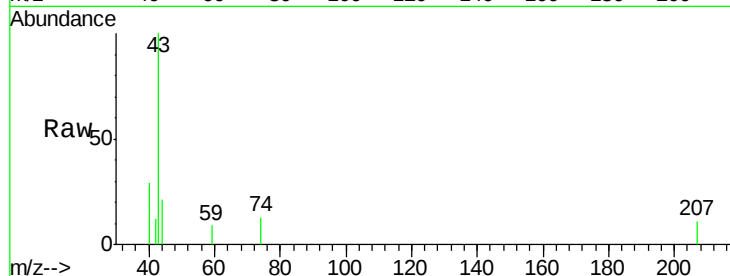
#15
Methyl Acetate
Concen: 1.111 ug/L m
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 2247
Ion Ratio Lower Upper
43 100
74 6.9 18.2 27.2#

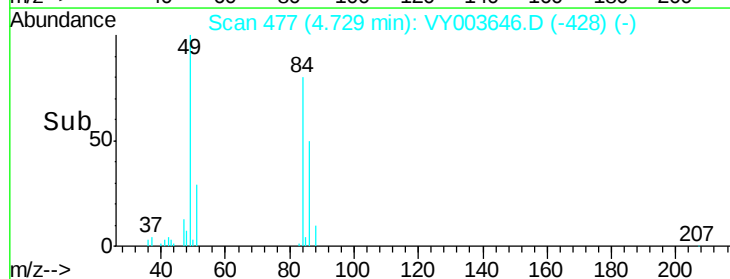
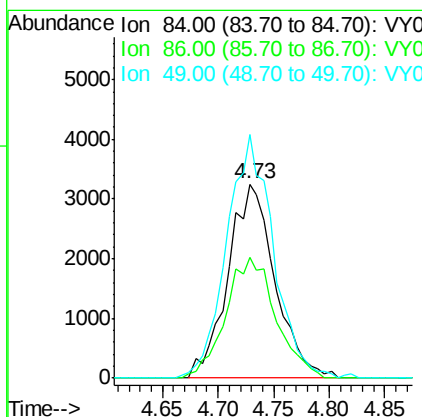
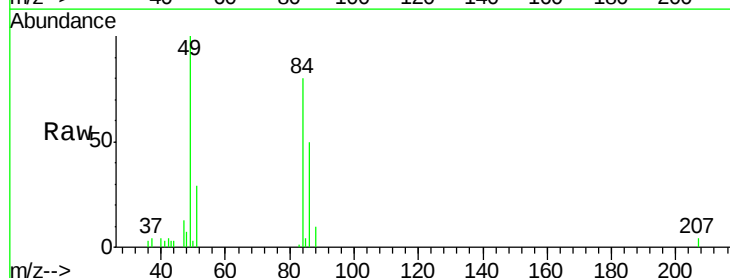
Manual Integrations
APPROVED

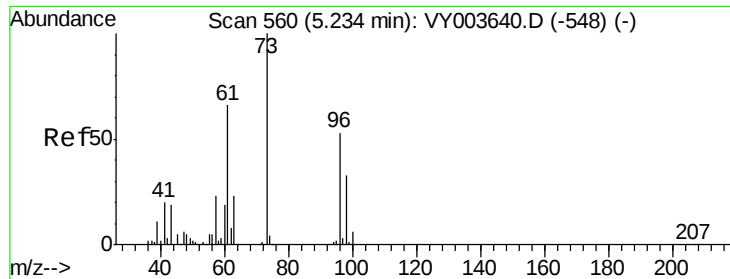
MMDadoda
12/3/2020 2:03:10 PM



#16
Methylene chloride
Concen: 2.716 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion: 84 Resp: 9573
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 125.5 85.3 158.5





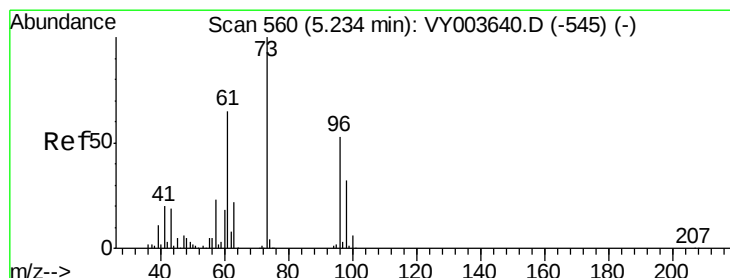
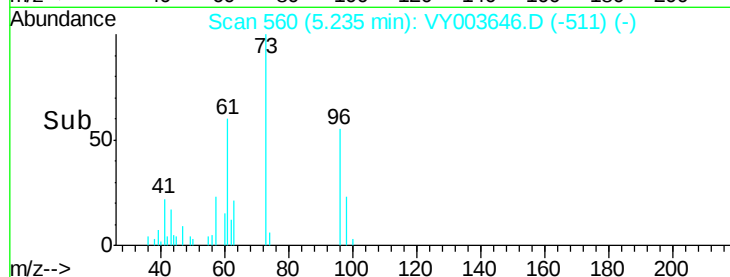
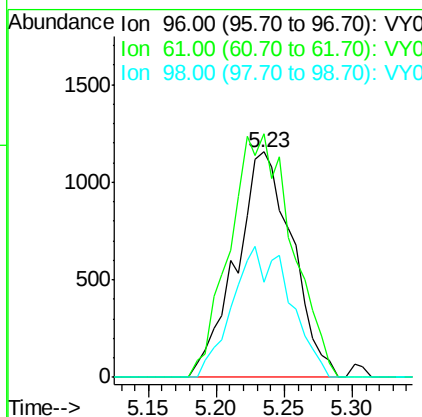
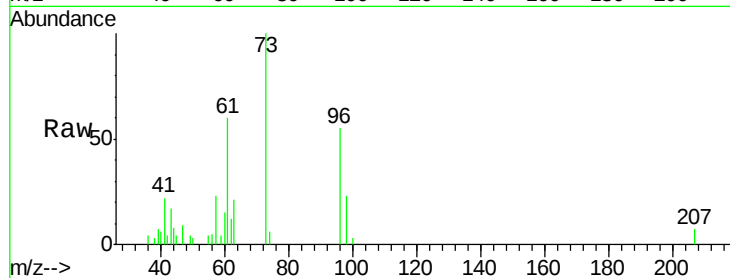
#17
trans-1,2-Dichloroethene
Concen: 1.124 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.2	89.5	166.1
98	42.3	45.5	84.5#

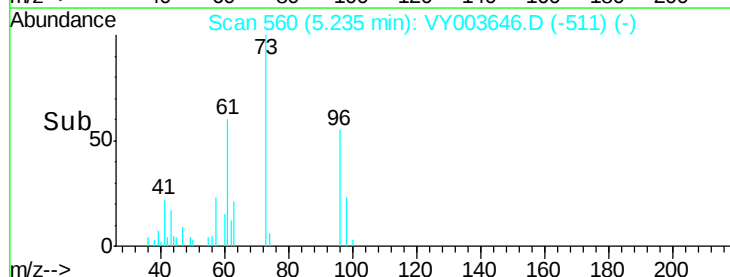
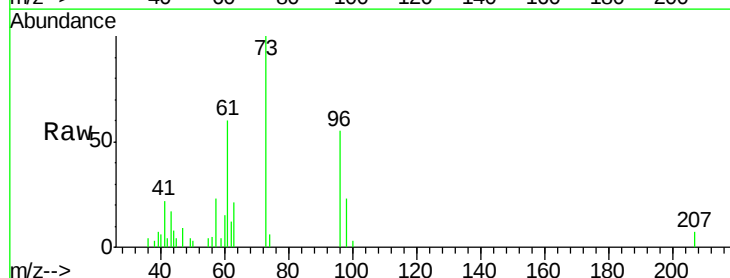
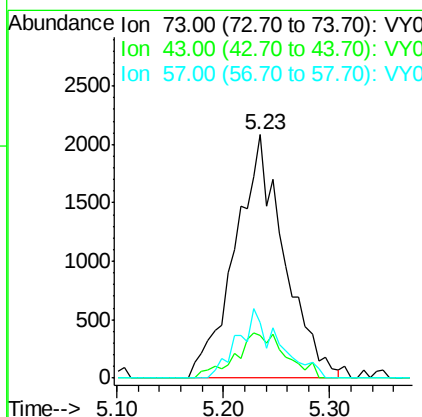
Manual Integrations
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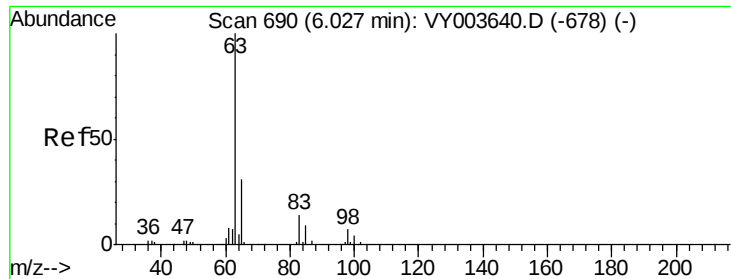
MMDadoda
12/3/2020 2:03:10 PM



#18
Methyl tert-butyl Ether
Concen: 0.919 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	7.4	15.2	22.8#
57	3.7	18.1	27.1#





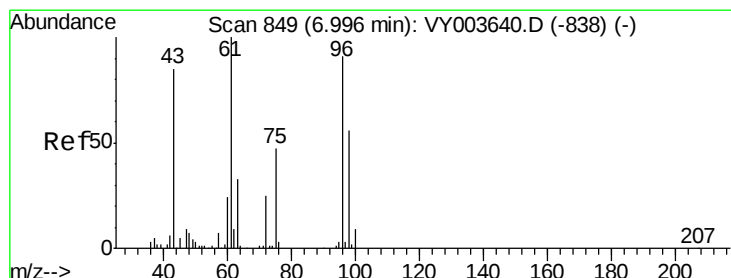
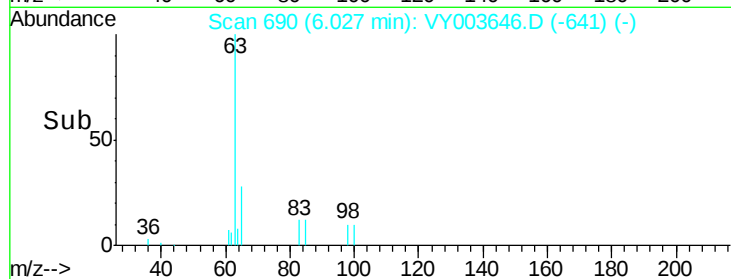
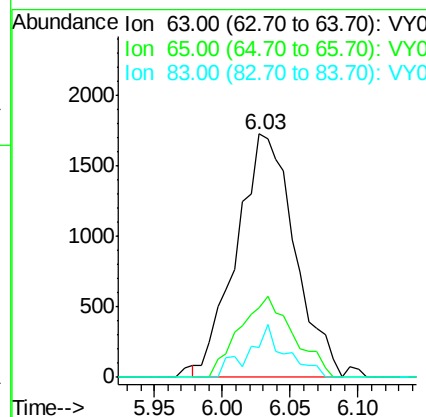
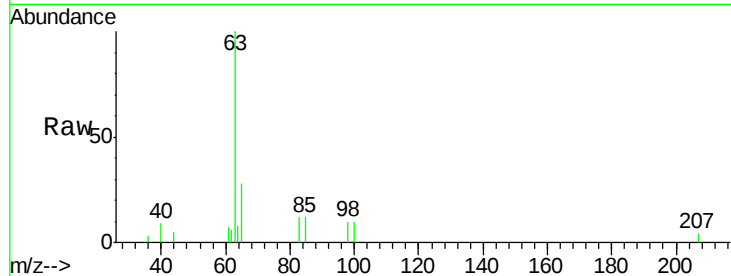
#19
 1,1-Dichloroethane
 Concen: 1.028 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion:	63	Resp:	5159
Ion	Ratio	Lower	Upper
63	100		
65	28.4	21.9	40.7
83	12.5	9.5	17.7

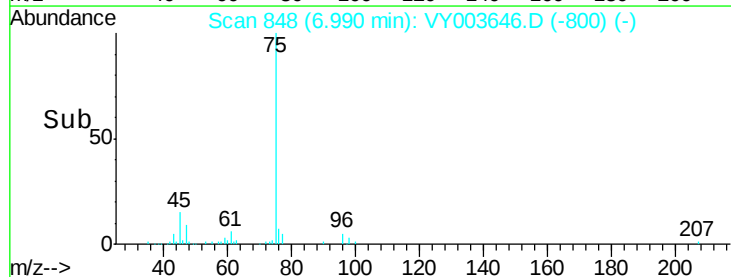
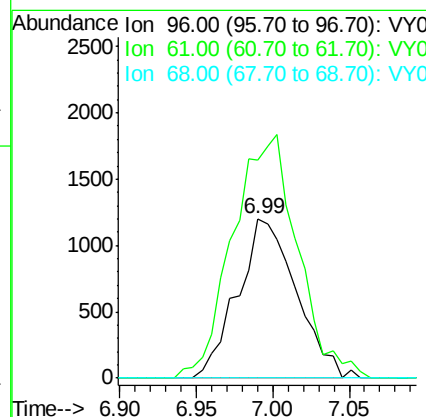
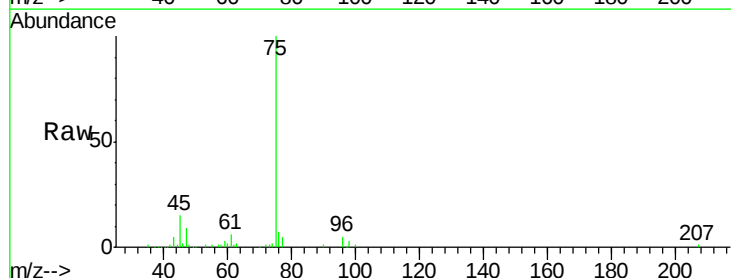
Manual Integrations
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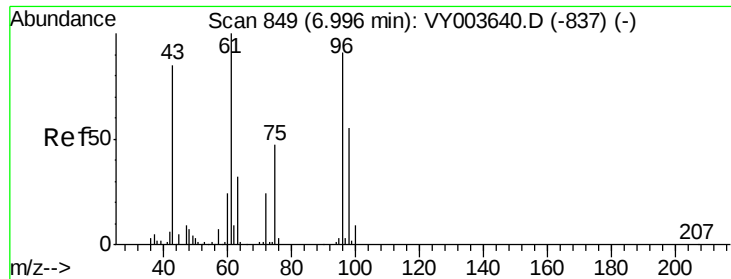
MMDadoda
 12/3/2020 2:03:10 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.019 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion:	96	Resp:	3187
Ion	Ratio	Lower	Upper
96	100		
61	136.7	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.169 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tot Ion: 43 Resp: 4473

Ion Ratio Lower Upper

43 100

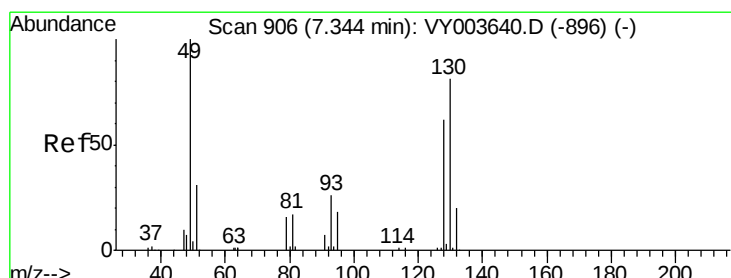
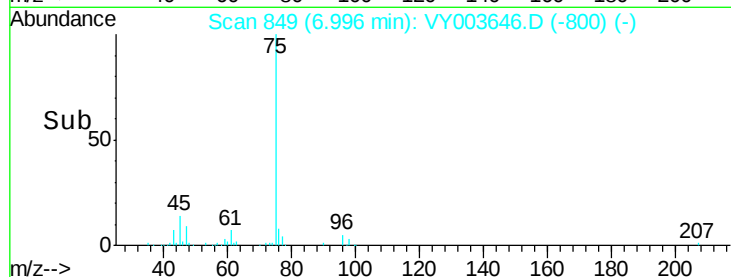
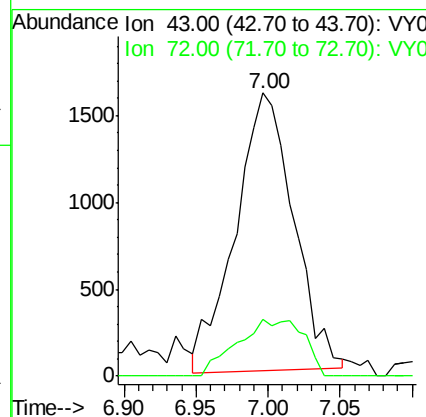
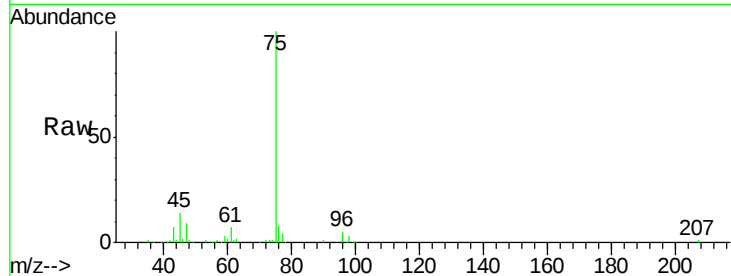
72 13.3 13.5 40.5#

Manual Integrations

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MMDadoda

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#23

Bromochloromethane

Concen: 1.104 ug/L

RT: 7.35 min Scan# 907

Delta R.T. 0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Tgt Ion: 128 Resp: 1683

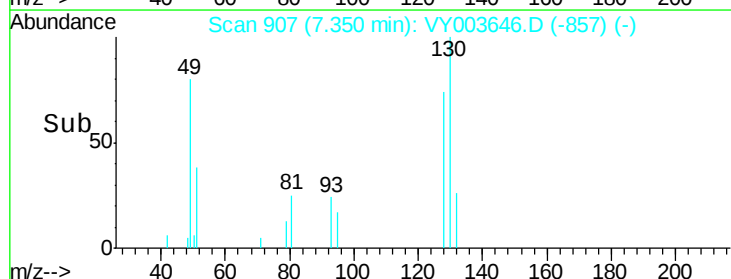
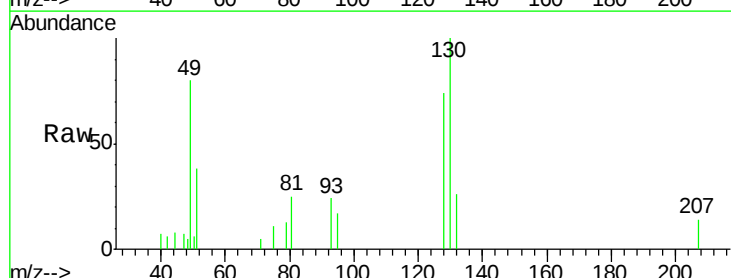
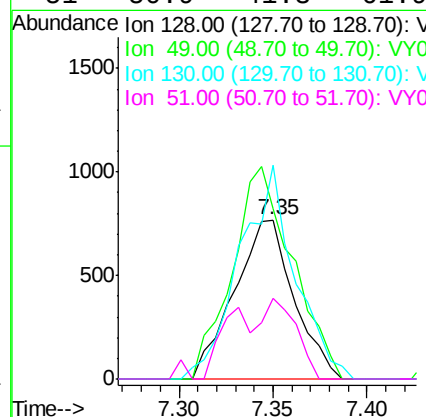
Ion Ratio Lower Upper

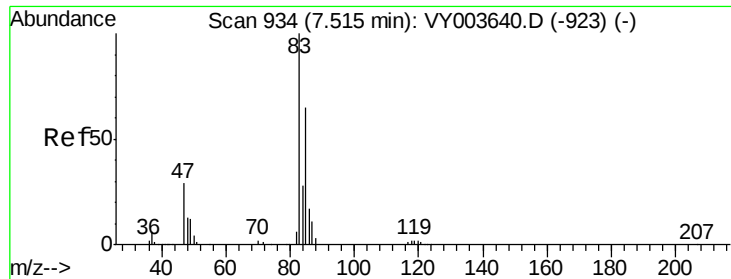
128 100

49 107.3 118.1 219.3#

130 134.4 90.5 168.1

51 50.9 41.3 61.9





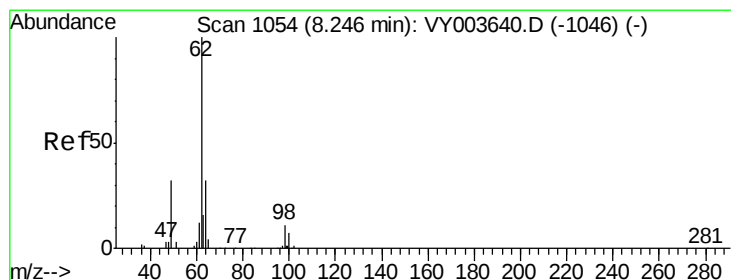
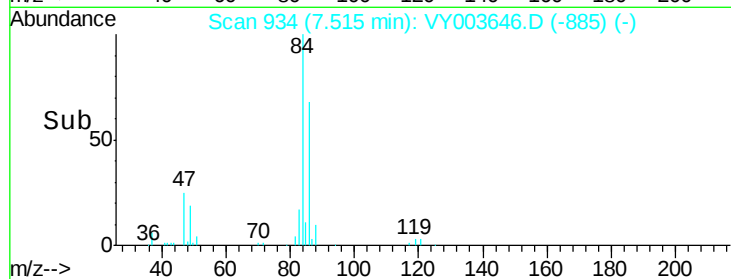
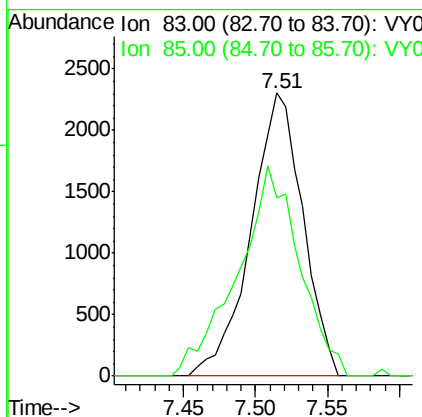
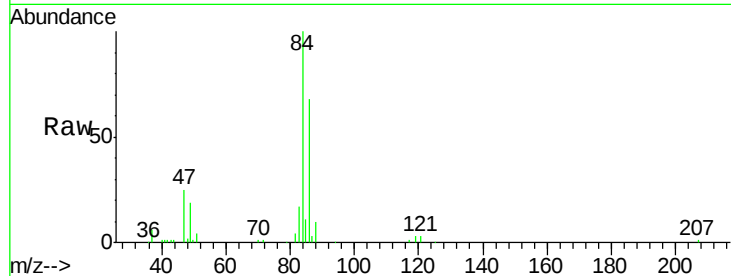
#25
Chloroform
Concen: 1.145 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion	83	Resp	5759
Ion Ratio	100	Lower	Upper
85	62.9	44.4	82.4

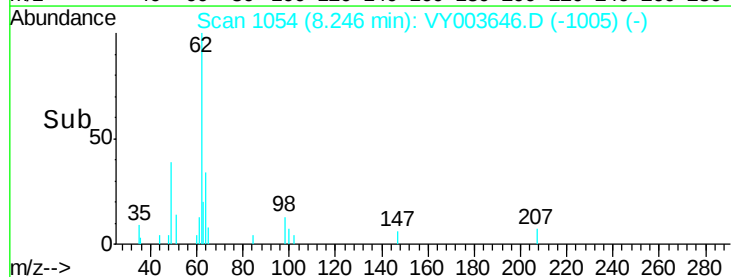
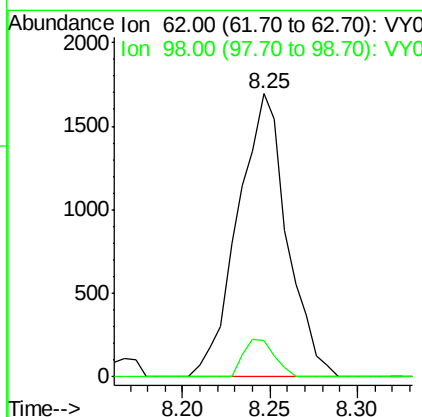
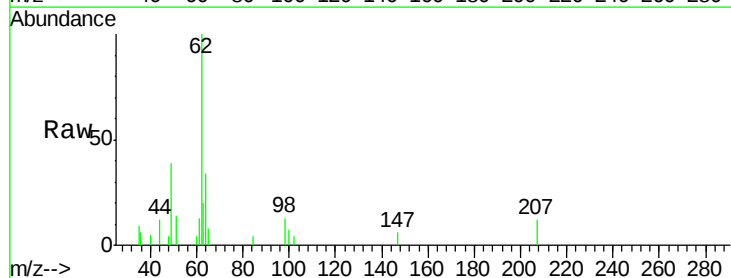
Manual Integrations
APPROVED

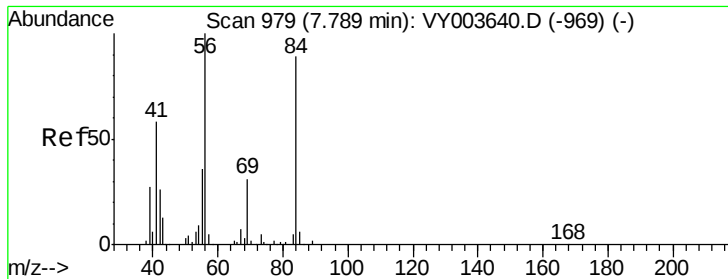
MMDadoda
12/3/2020 2:03:10 PM



#27
1,2-Dichloroethane
Concen: 1.003 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	62	Resp	3320
Ion Ratio	100	Lower	Upper
98	12.6	7.5	11.3#





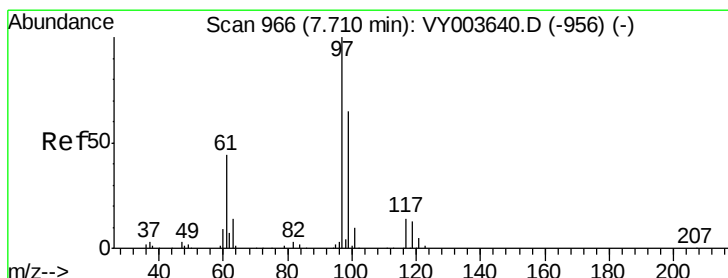
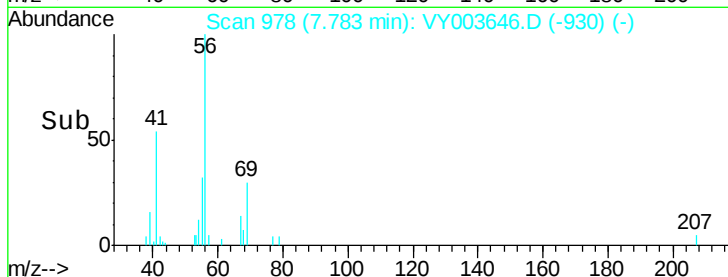
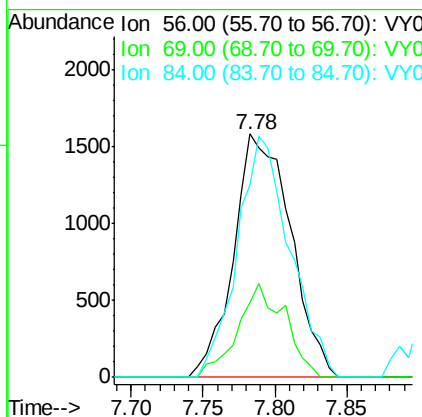
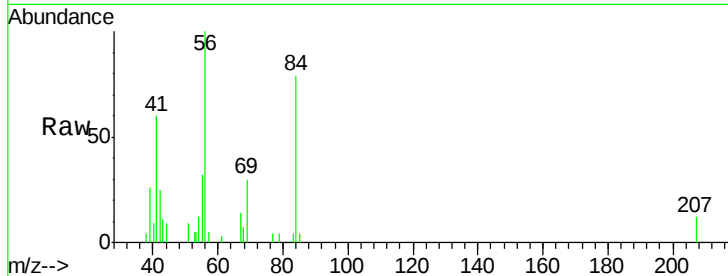
#29
Cvclohexane
Concen: 0.947 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.4	23.9	35.9
84	91.6	71.9	107.9

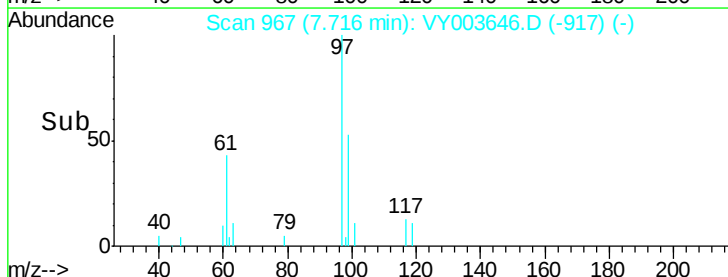
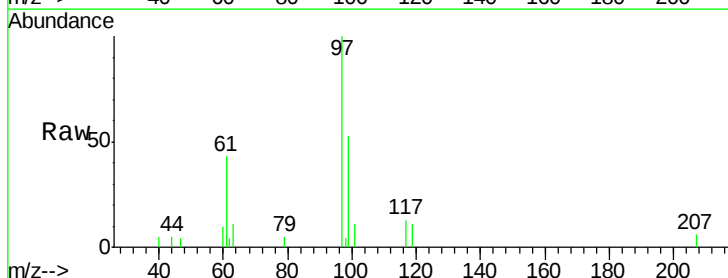
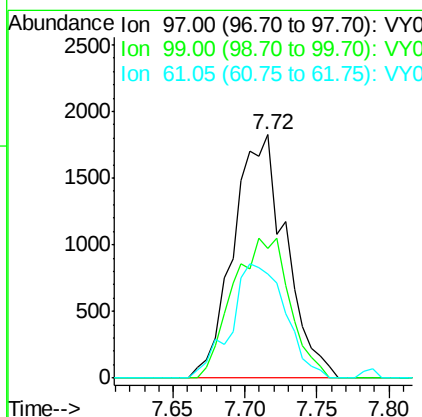
Manual Integrations
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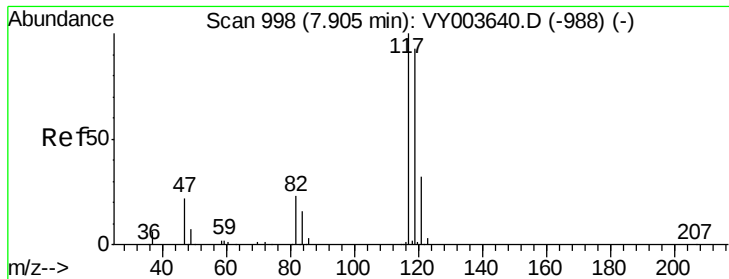
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.046 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.6	76.0
61	42.9	34.3	51.5





#31

Carbon tetrachloride

Concen: 1.055 ug/L m

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:117 Resp: 4199

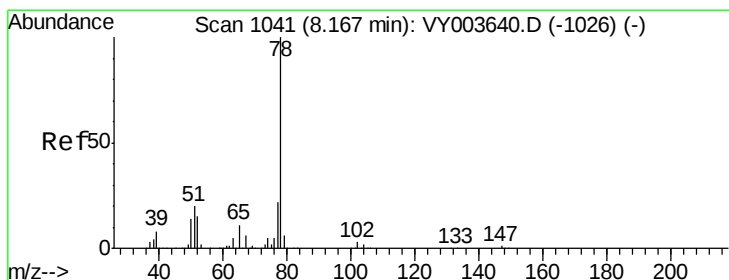
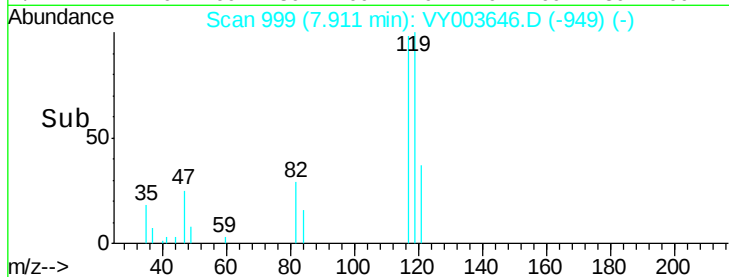
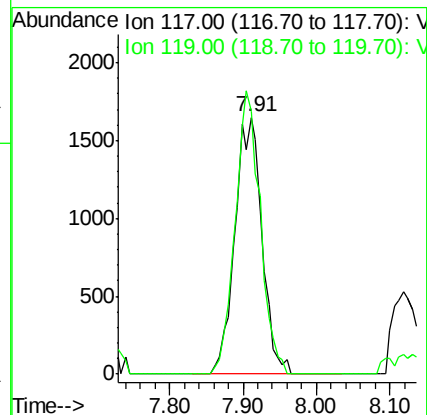
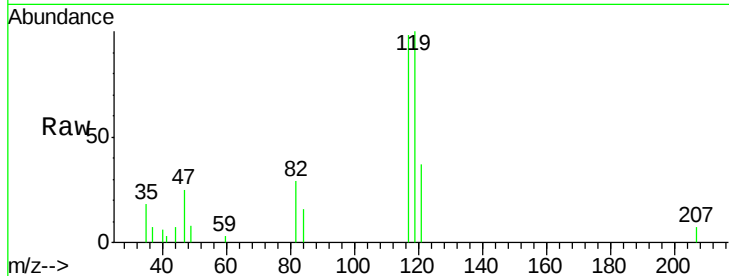
Ion Ratio Lower Upper

117 100

119 102.4 77.7 116.5

Manual Integrations
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12/3/2020 2:03:10 PM



#33

Benzene

Concen: 1.031 ug/L

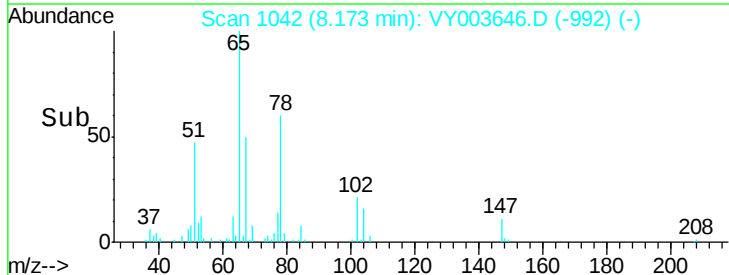
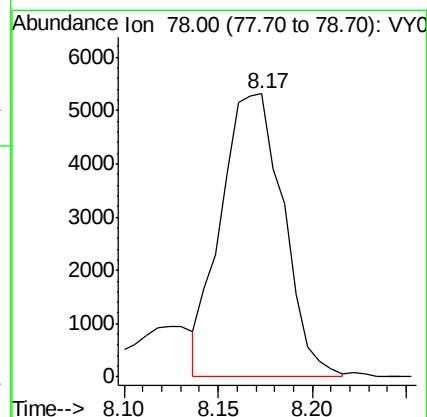
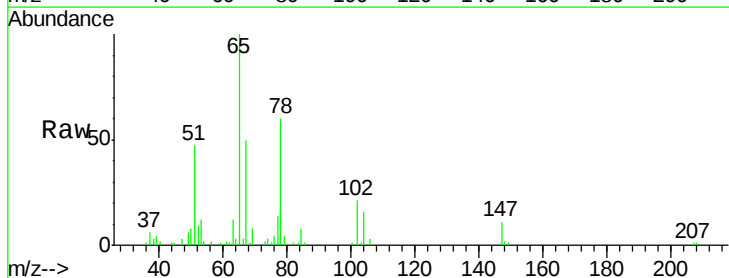
RT: 8.17 min Scan# 1042

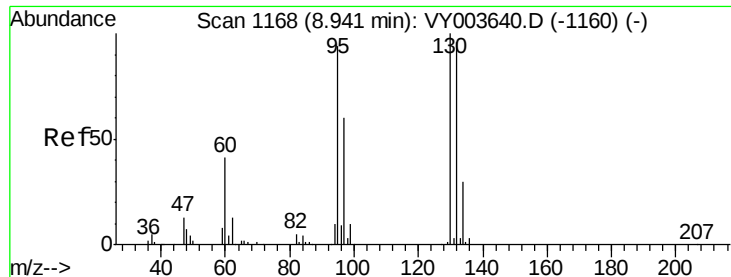
Delta R.T. 0.01 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Tgt Ion: 78 Resp: 12186





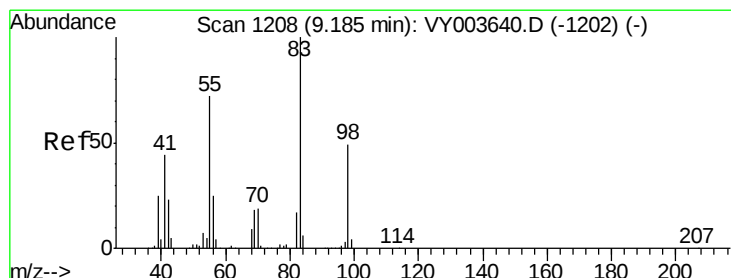
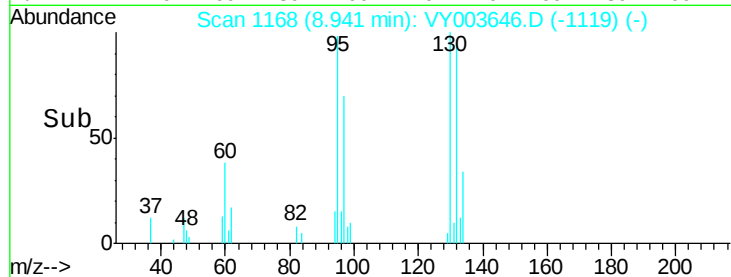
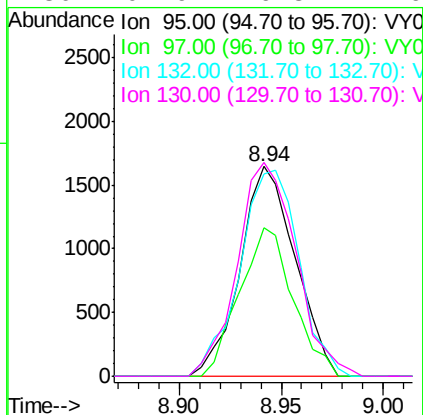
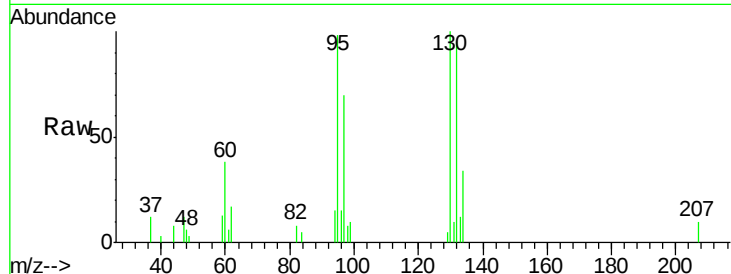
#34
 Trichloroethene
 Concen: 1.050 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL02

Tot Ion	Ratio	Lower	Upper
95	100		
97	71.1	44.7	83.1
132	96.4	74.7	138.7
130	101.9	76.8	142.6

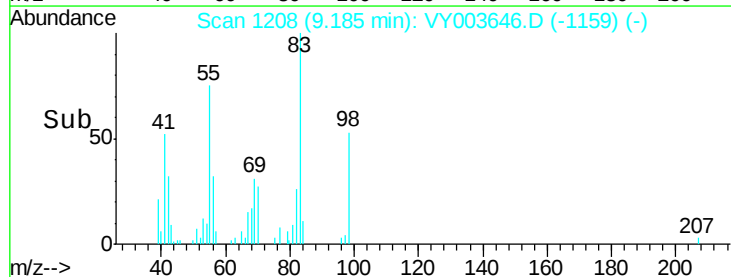
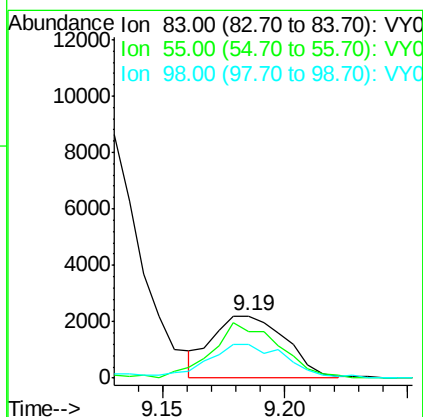
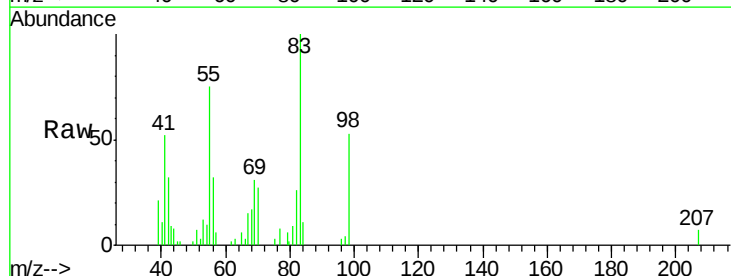
Manual Integrations
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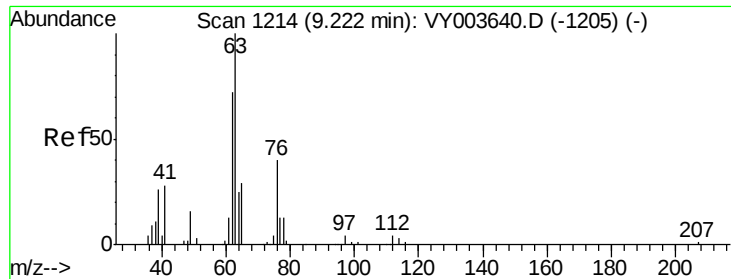
MMDadoda
 12/3/2020 2:03:10 PM



#35
 Methylcyclohexane
 Concen: 0.918 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	58.3	87.5
98	57.2	39.0	58.6





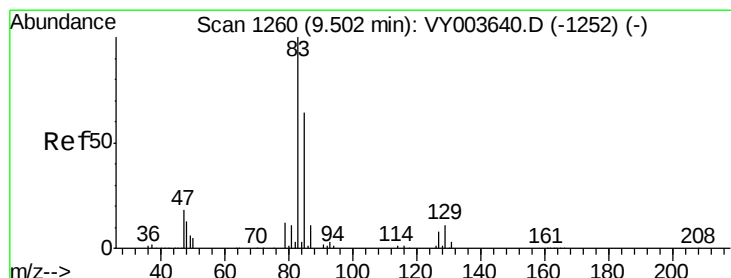
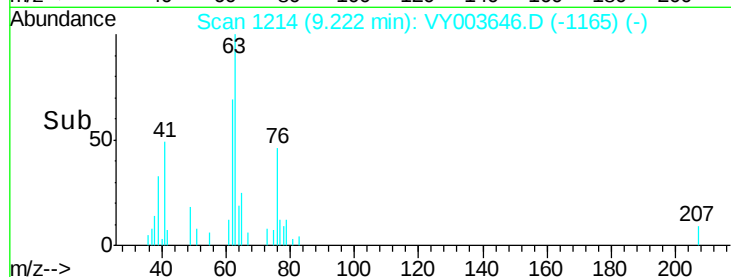
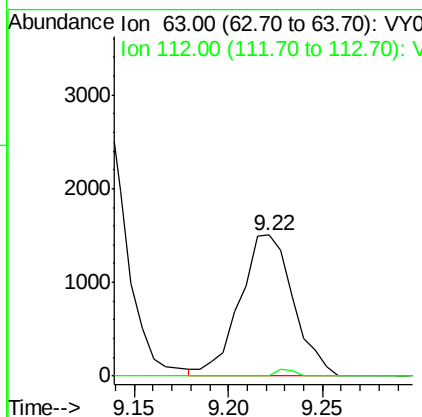
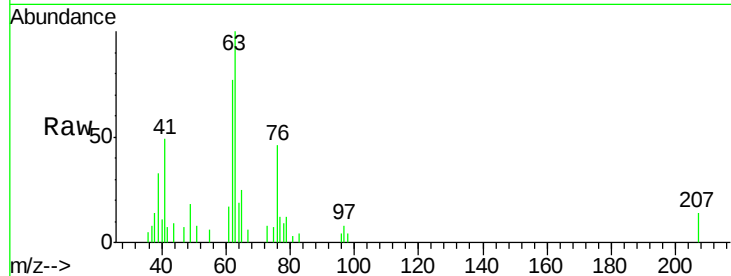
#37
 1,2-Dichloropropane
 Concen: 0.985 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 2955
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.7 5.5#

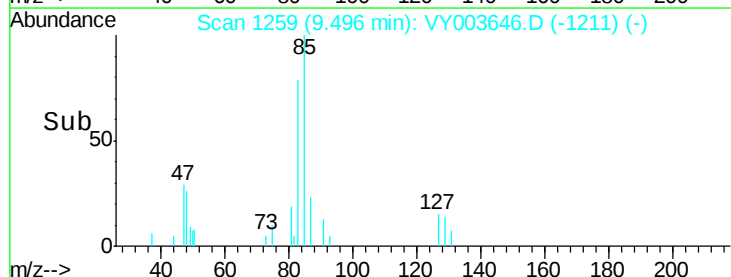
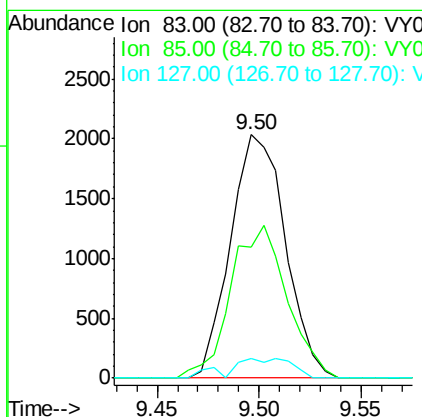
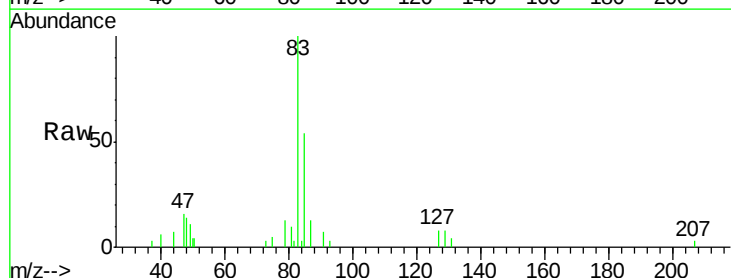
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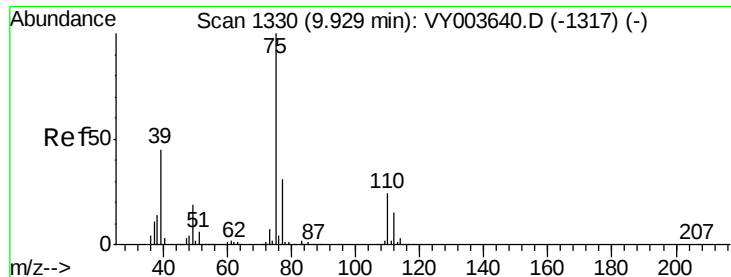
MMDadoda
 12/3/2020 2:03:10 PM



#38
 Bromodichloromethane
 Concen: 1.008 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 83 Resp: 3805
 Ion Ratio Lower Upper
 83 100
 85 53.7 43.1 80.1
 127 8.0 7.1 10.7





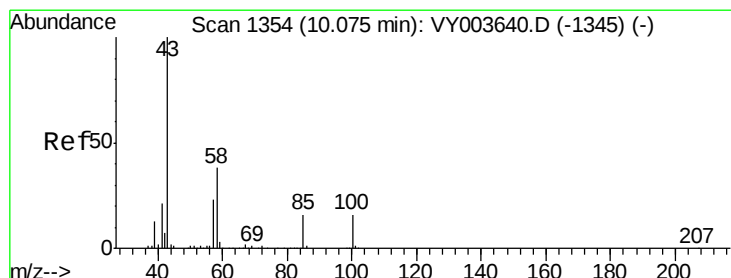
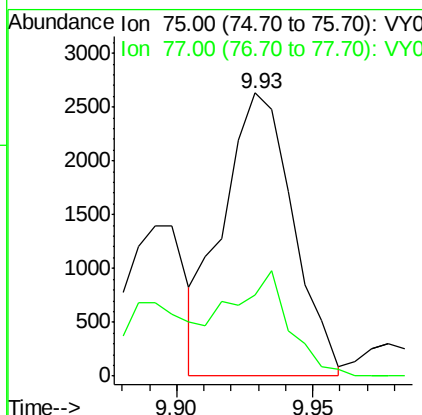
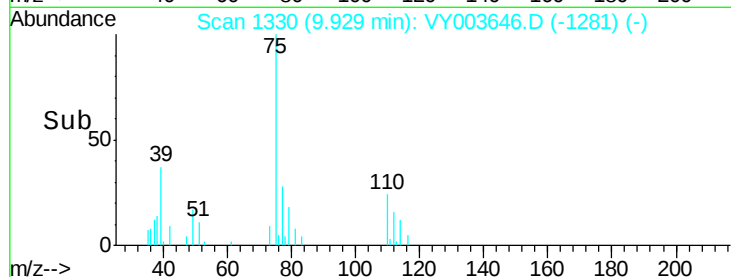
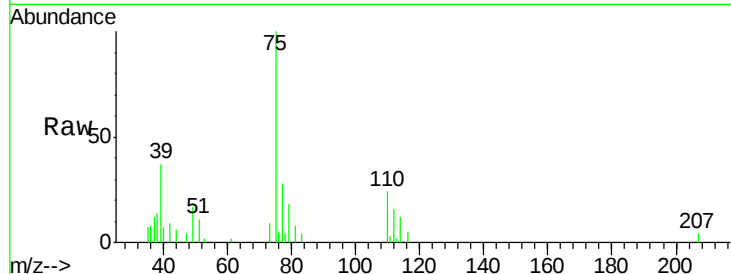
#39
 cis-1,3-Dichloropropene
 Concen: 1.016 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 4707
 Ion Ratio Lower Upper
 75 100
 77 28.5 23.5 43.7

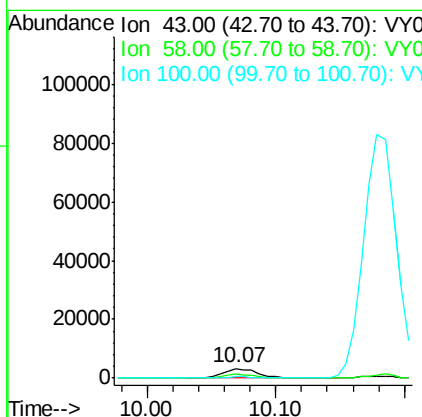
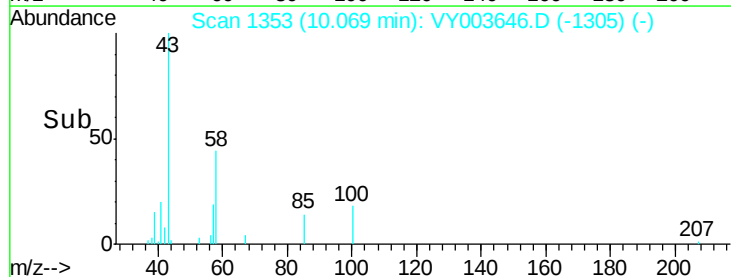
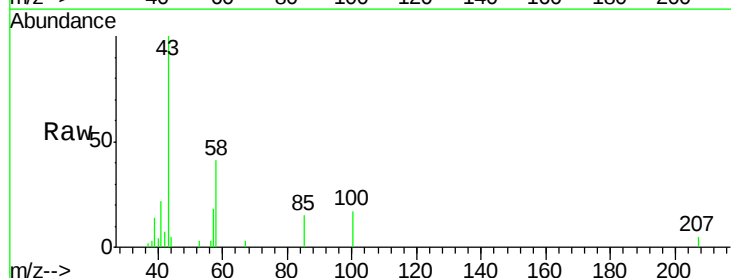
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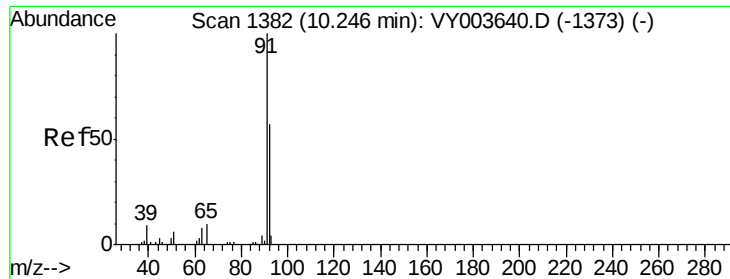
MMDadoda
 12/3/2020 2:03:10 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.366 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion: 43 Resp: 6233
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.7 46.1
 100 15.9 12.1 18.1





#42

Toluene

Concen: 1.051 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 13045

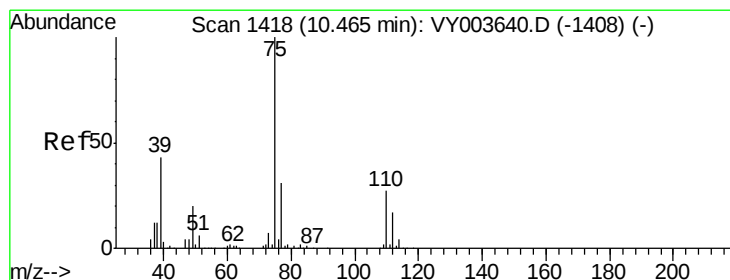
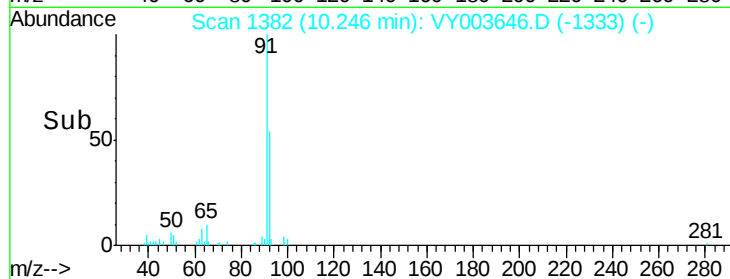
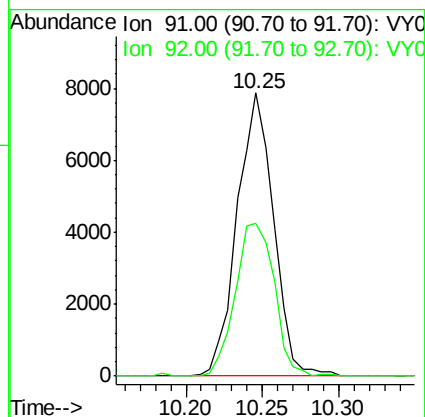
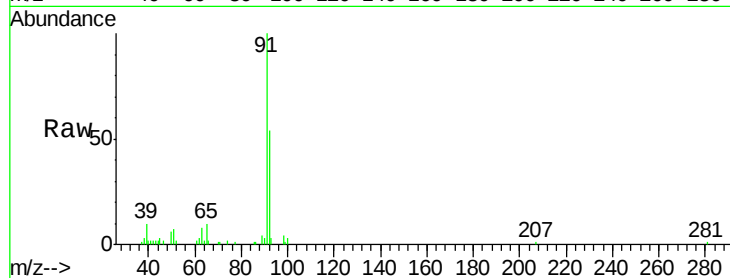
Ion Ratio Lower Upper

91 100

92 53.9 40.1 74.5

Manual Integrations
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MMDadoda
12/3/2020 2:03:10 PM



#44

trans-1,3-Dichloropropene

Concen: 1.410 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003646.D

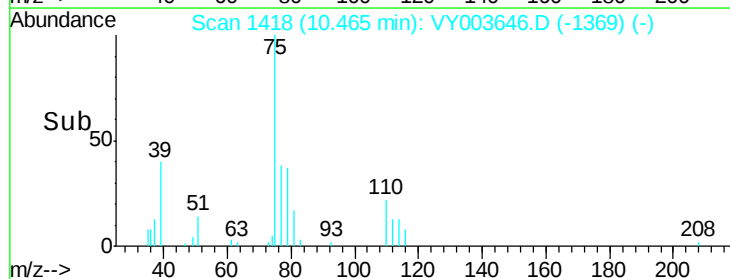
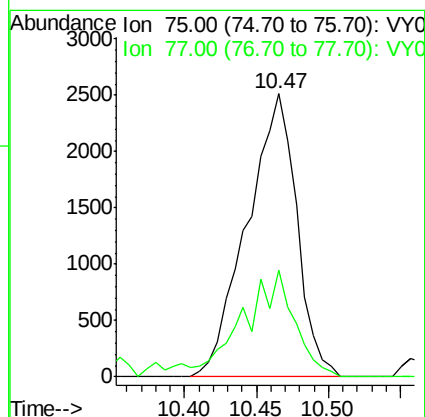
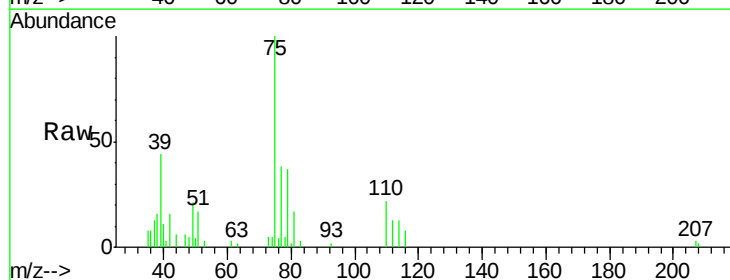
Acq: 02 Dec 2020 12:43

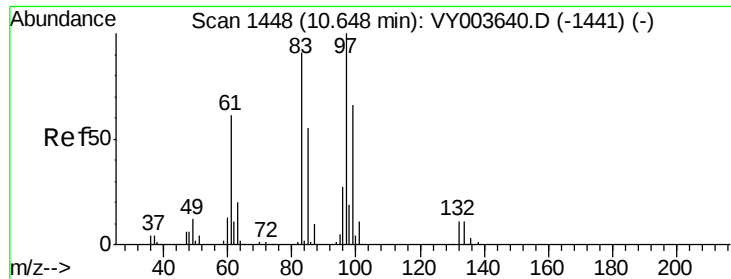
Tgt Ion: 75 Resp: 6031

Ion Ratio Lower Upper

75 100

77 37.5 22.9 42.5





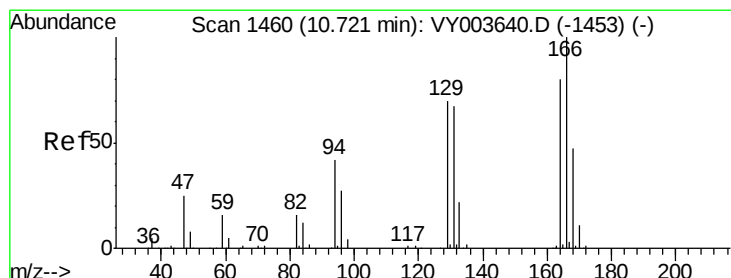
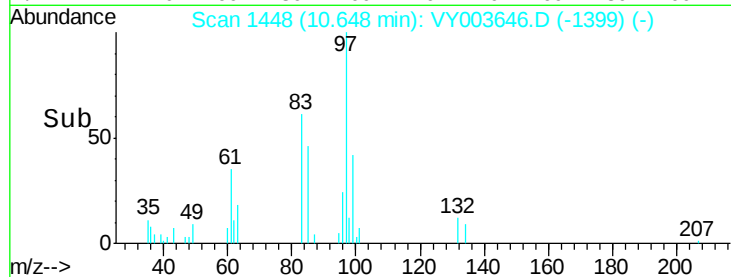
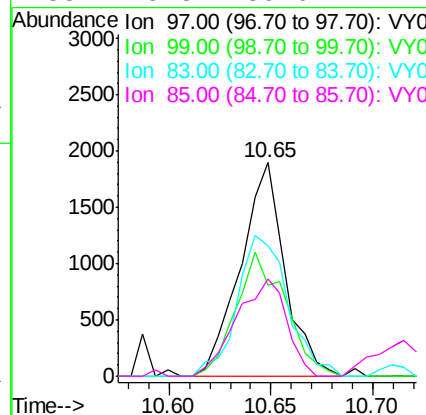
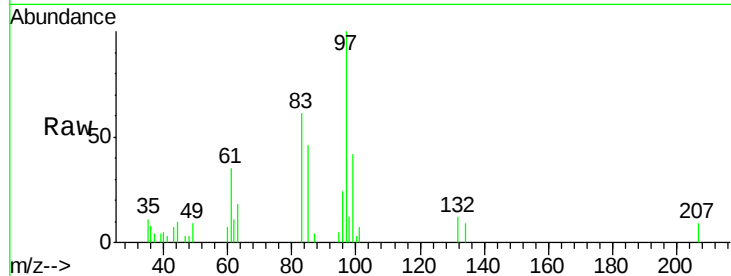
#45
1,1,2-Trichloroethane
Concen: 1.145 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		2884		
99	42.5	45.1	83.9#		
83	61.4	59.7	110.9		
85	45.8	39.0	72.4		

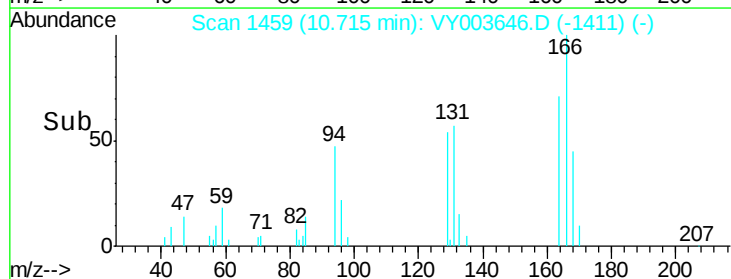
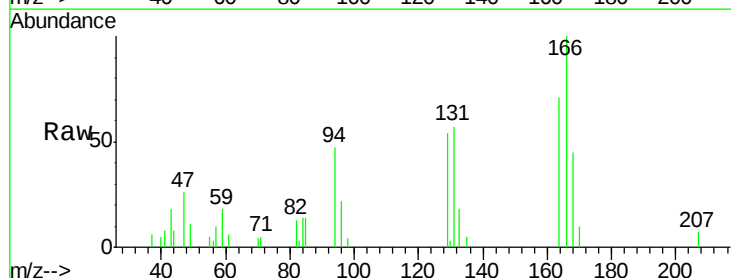
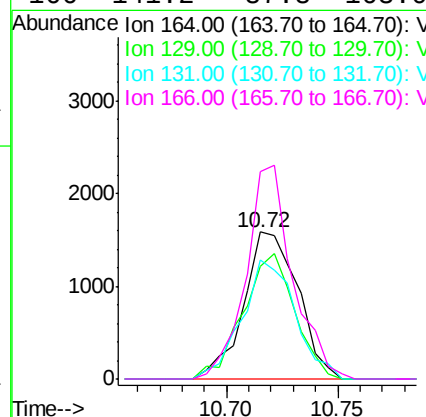
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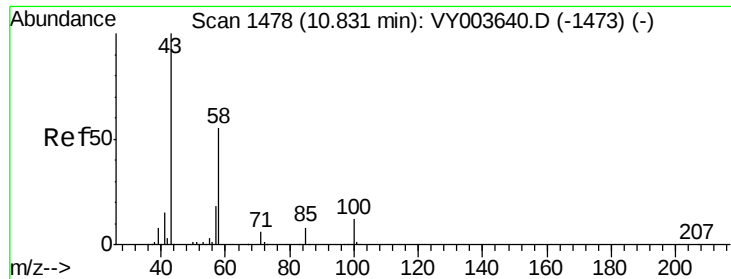
MMDadoda
12/3/2020 2:03:10 PM



#46
Tetrachloroethene
Concen: 1.066 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		2692		
129	81.0	58.9	109.5		
131	80.6	59.0	109.6		
166	141.2	87.8	163.0		





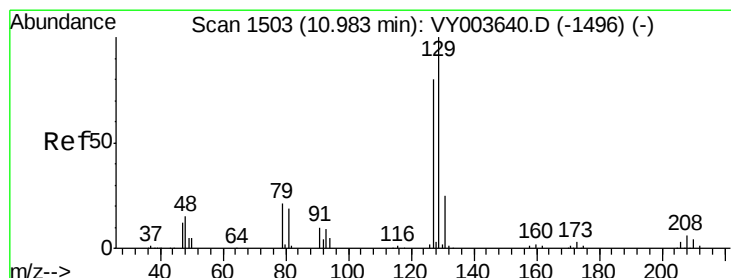
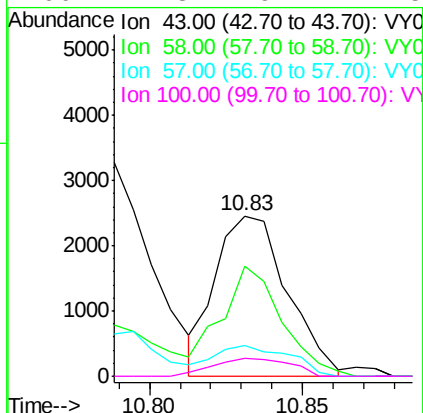
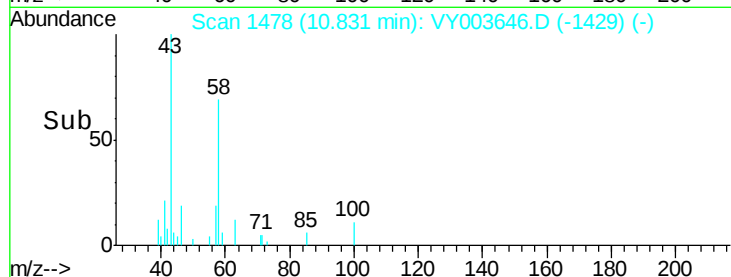
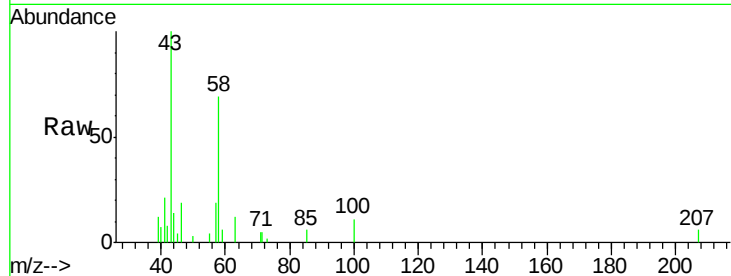
#48
2-Hexanone
Concen: 2.088 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion:	43	Resp:	4014
Ion	Ratio	Lower	Upper
43	100		
58	58.2	43.0	64.6
57	20.2	14.6	21.8
100	11.8	9.7	14.5

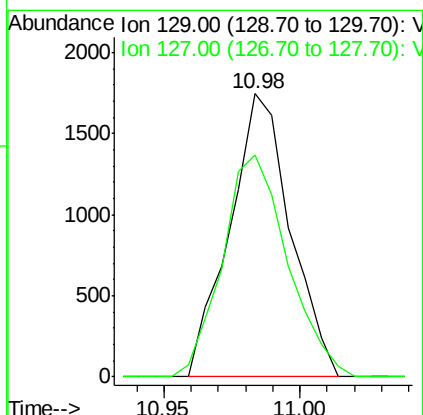
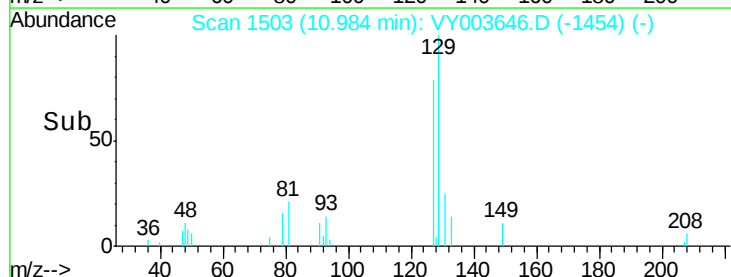
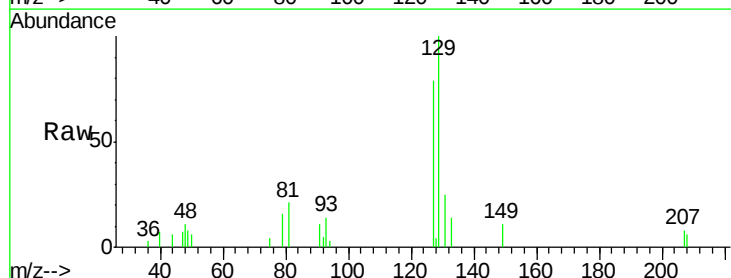
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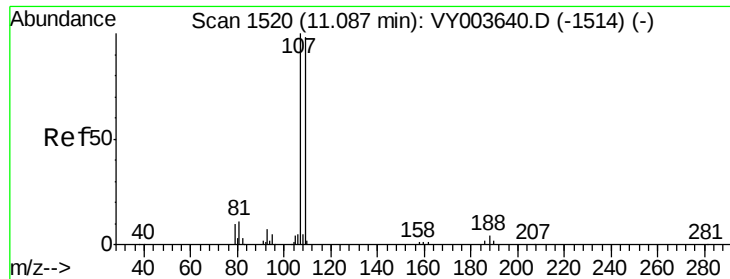
MMDadoda
12/3/2020 2:03:10 PM



#49
Dibromochloromethane
Concen: 0.931 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion:	129	Resp:	2711
Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.0	102.2





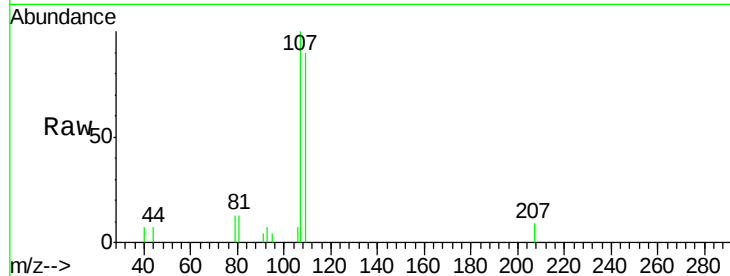
#50
1,2-Dibromoethane
Concen: 0.988 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

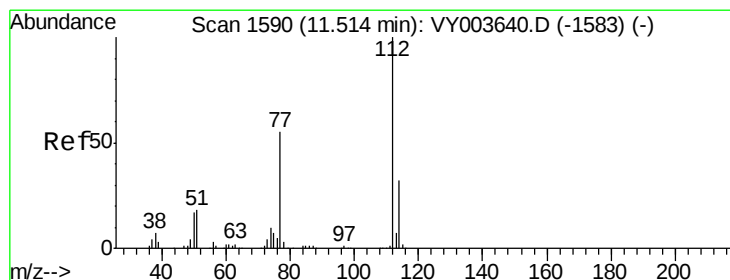
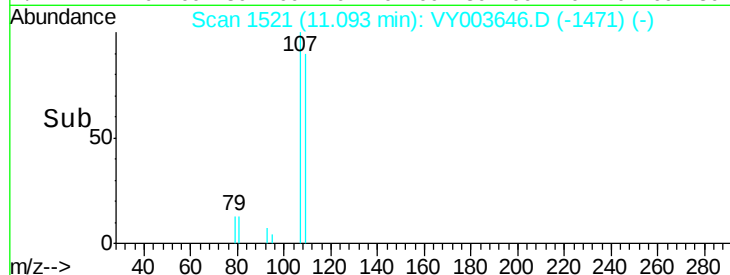
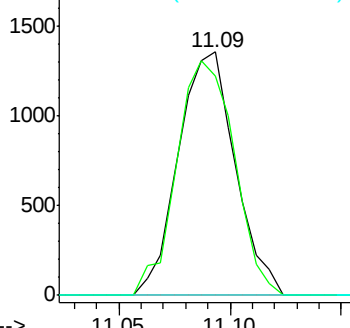
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.0	65.5	121.7
188	0.0	3.8	5.8#

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12/3/2020 2:03:10 PM

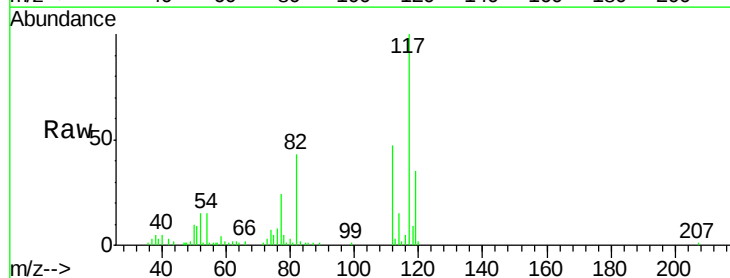


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

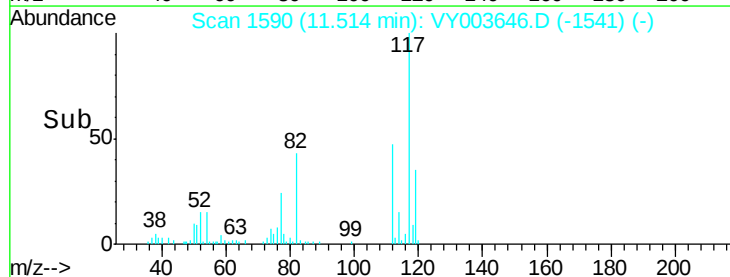
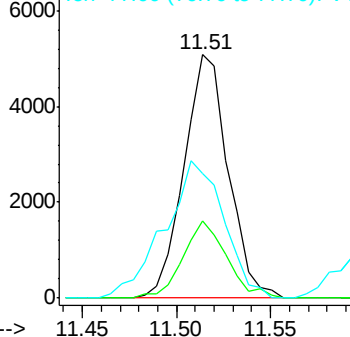


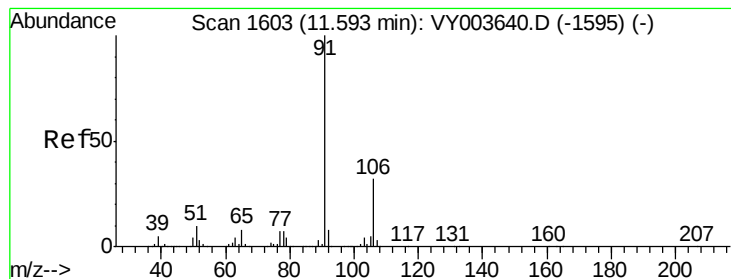
#51
Chlorobenzene
Concen: 1.035 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	51.2	43.8	65.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VY0





#52

Ethylbenzene

Concen: 1.005 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 13352

Ion Ratio Lower Upper

91 100

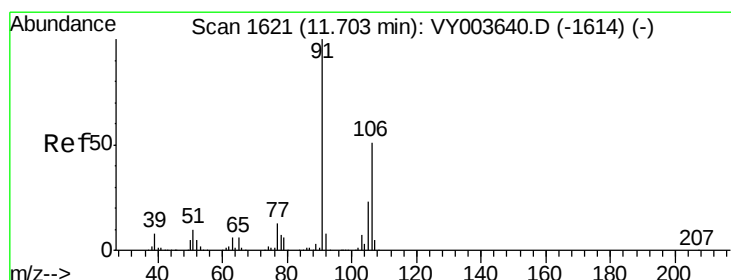
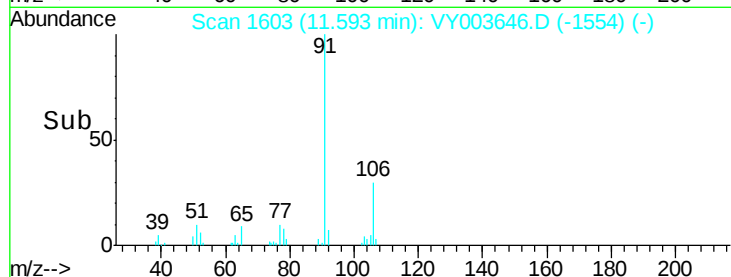
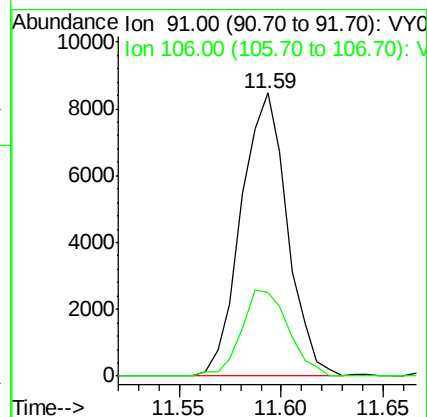
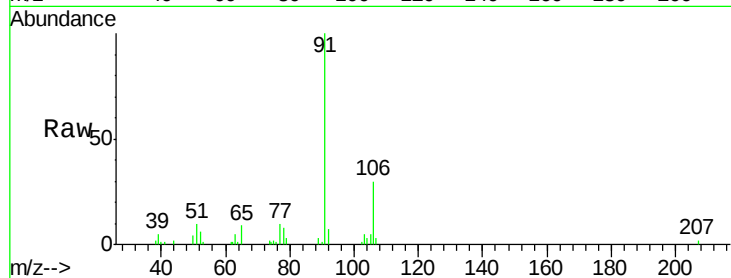
106 29.8 22.8 42.4

Manual Integrations

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#53

m,p-Xylene

Concen: 0.915 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003646.D

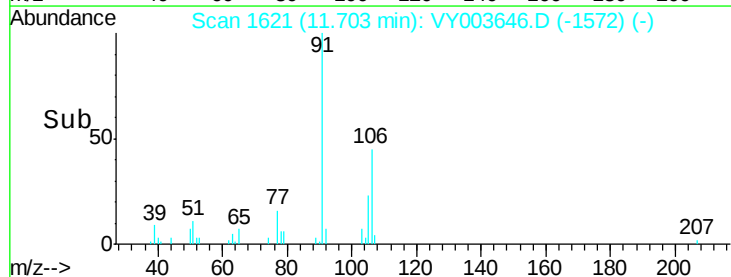
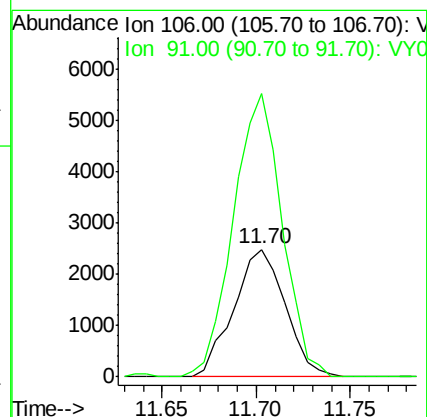
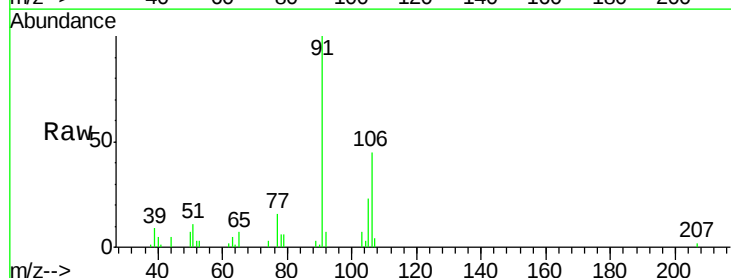
Acq: 02 Dec 2020 12:43

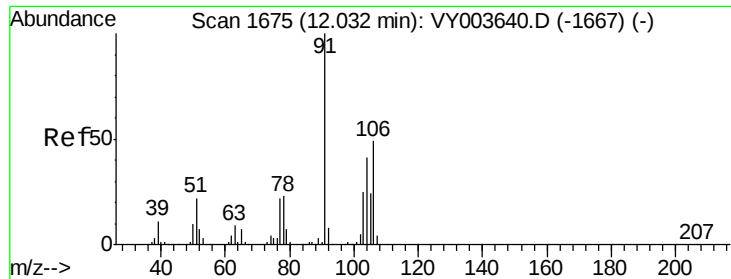
Tgt Ion: 106 Resp: 4754

Ion Ratio Lower Upper

106 100

91 222.4 133.1 247.3





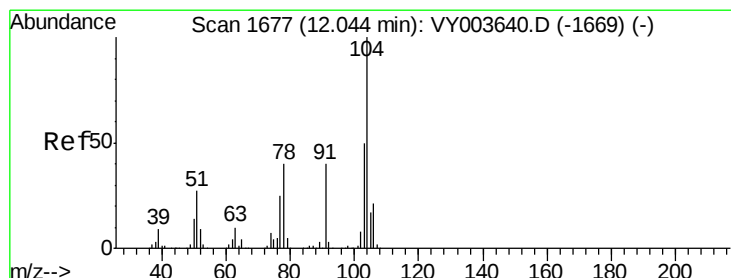
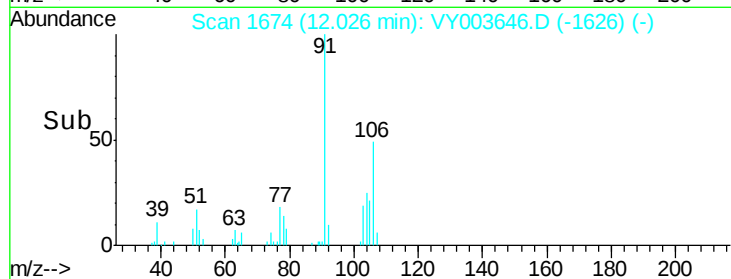
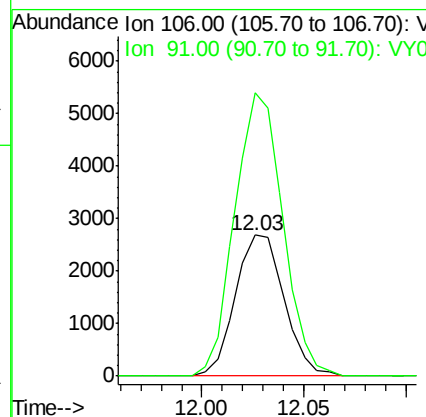
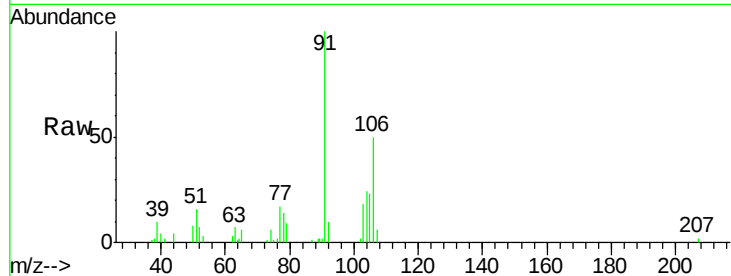
#54
o-Xylene
Concen: 0.907 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		4451		
91	200.9	144.1	267.5		

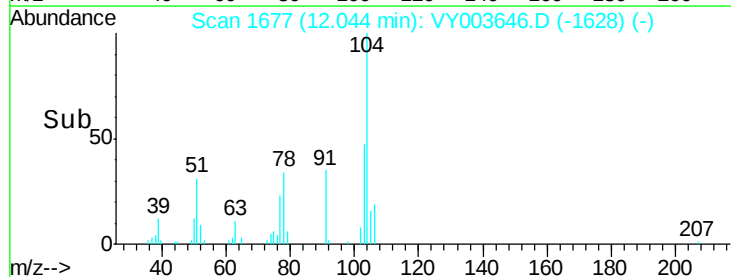
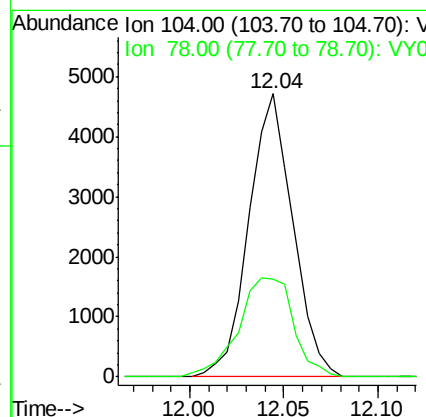
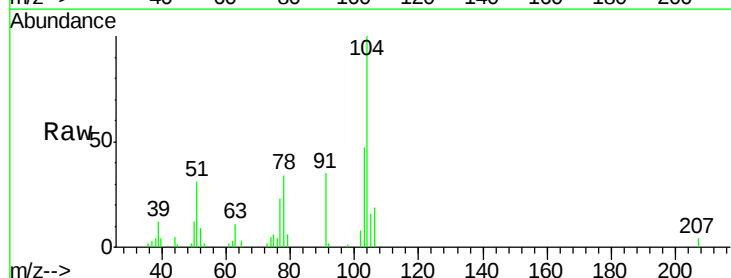
Manual Integrations
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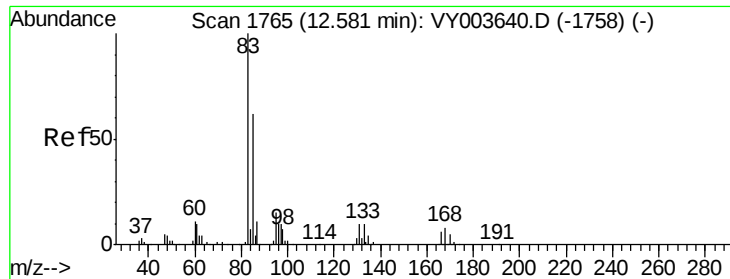
MMDadoda
12/3/2020 2:03:10 PM



#55
Styrene
Concen: 0.908 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		7619		
78	34.3	27.6	51.4		





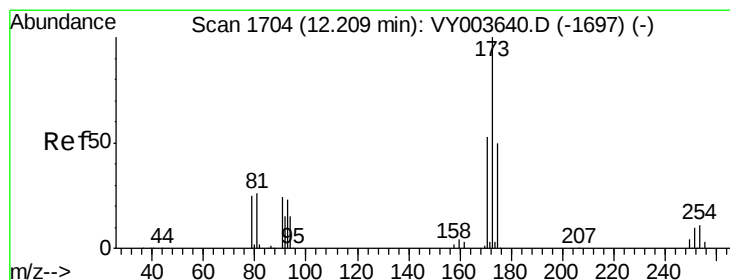
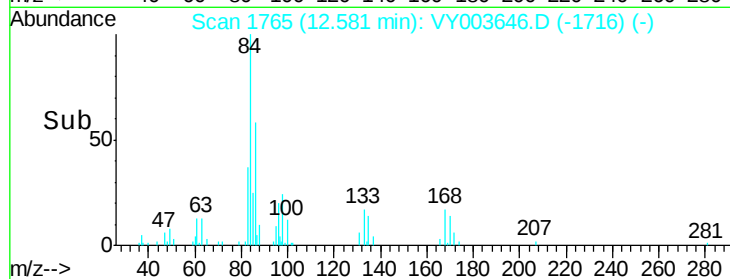
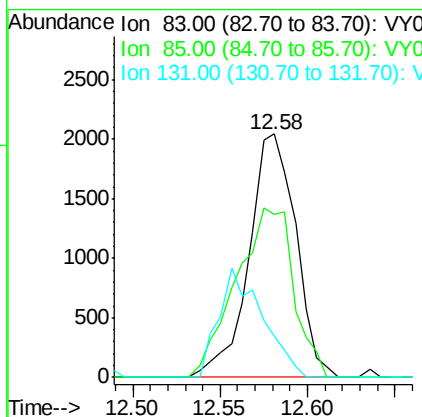
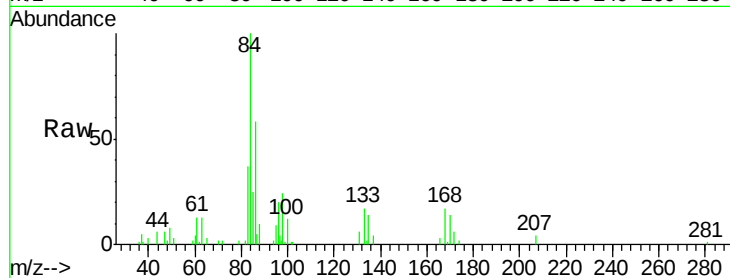
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.140 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.7	46.1	85.7
131	17.2	8.1	12.1

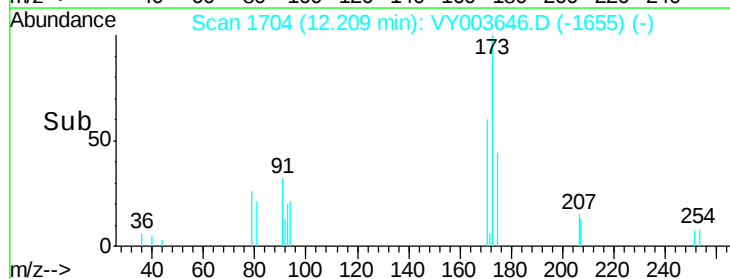
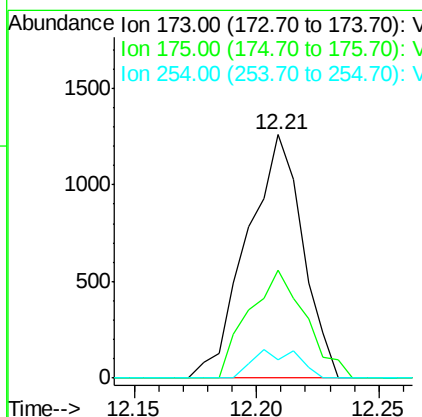
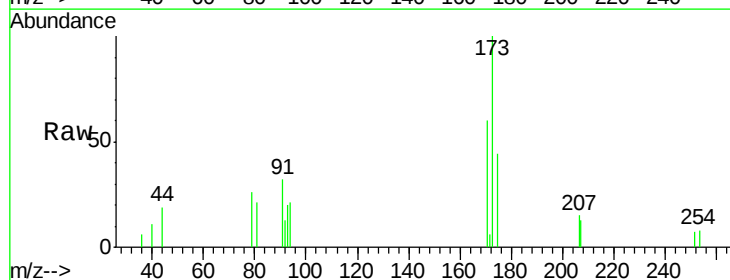
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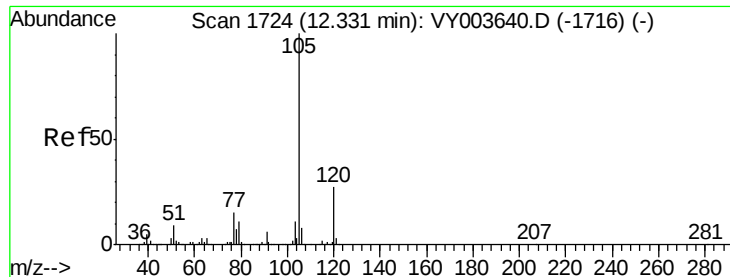
MMDadoda
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#59
 Bromoform
 Concen: 1.106 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.4	38.2	57.4
254	9.5	8.0	12.0





#60

Isopropylbenzene

Concen: 0.945 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

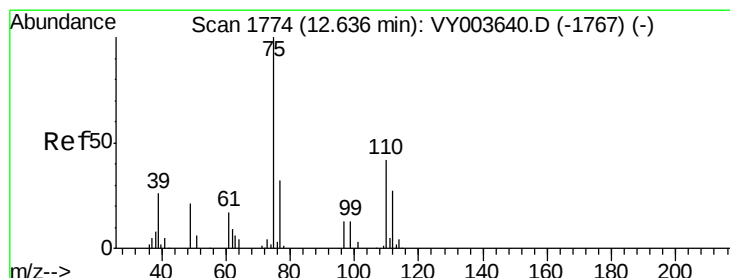
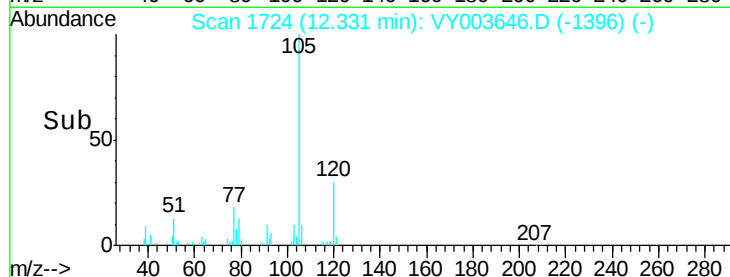
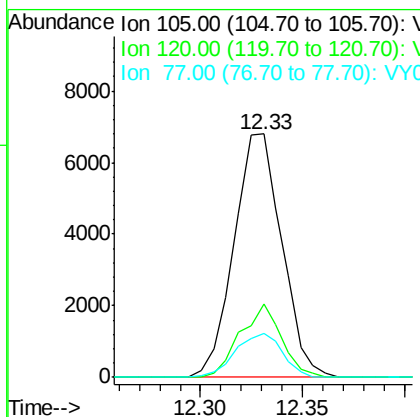
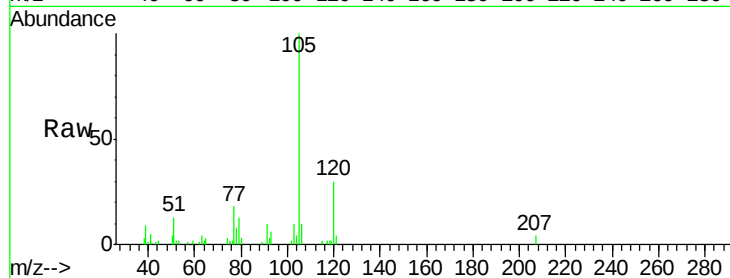
ClientSampled :

MDL02

Tot Ion:	105	Resp:	11049
Ion Ratio	Lower	Upper	
105	100		
120	26.1	22.0	33.0
77	18.0	12.1	18.1

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#61

1,2,3-Trichloropropane

Concen: 1.077 ug/L

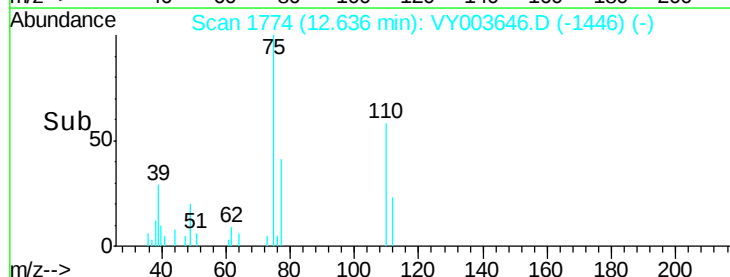
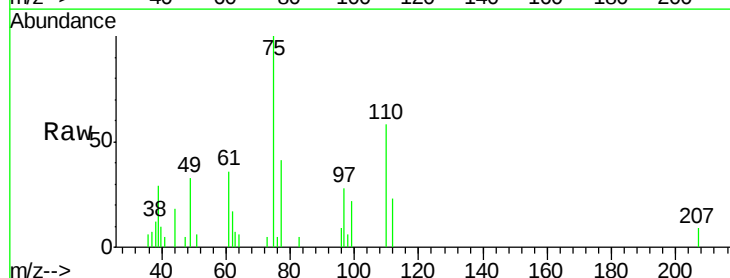
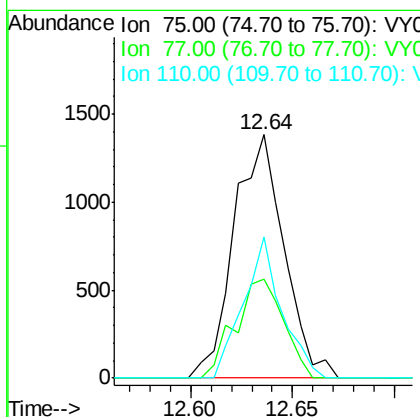
RT: 12.64 min Scan# 1774

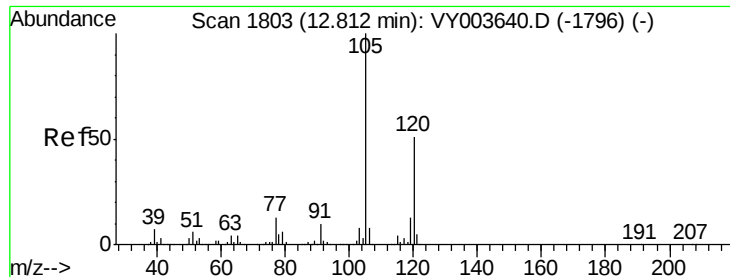
Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Tgt Ion:	75	Resp:	2357
Ion Ratio	Lower	Upper	
75	100		
77	39.4	26.3	39.5
110	44.4	33.0	49.4





#62

1,3,5-Trimethylbenzene

Concen: 0.923 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003646.D

Acq: 02 Dec 2020 12:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion:105 Resp: 8557

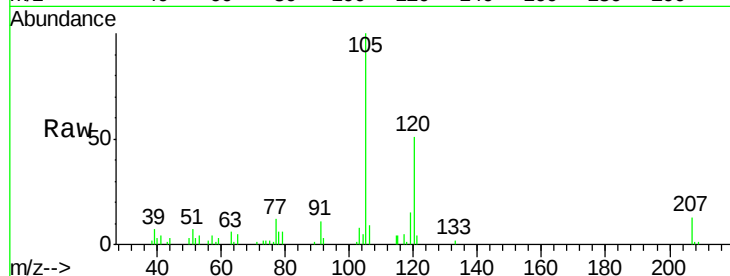
Ion Ratio Lower Upper

105 100

120 54.3 40.4 60.6

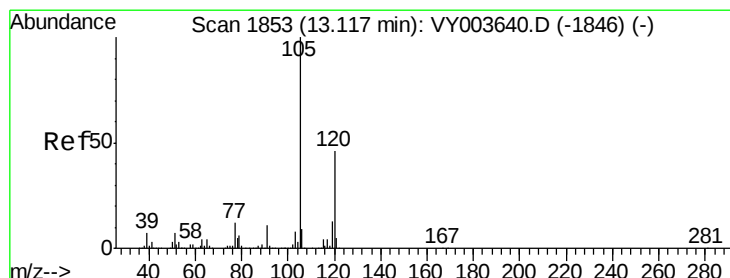
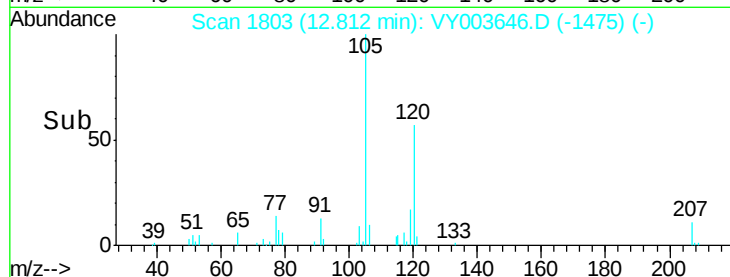
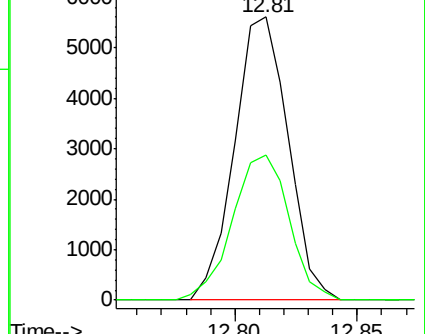
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.882 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003646.D

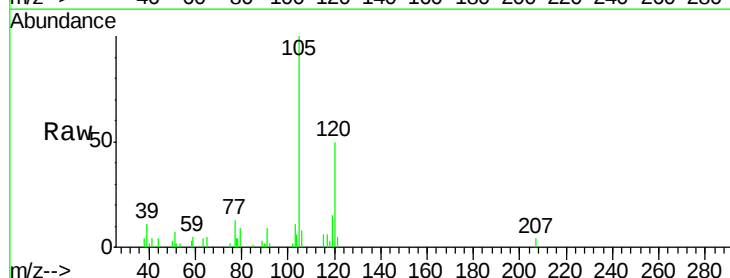
Acq: 02 Dec 2020 12:43

Tgt Ion:105 Resp: 8082

Ion Ratio Lower Upper

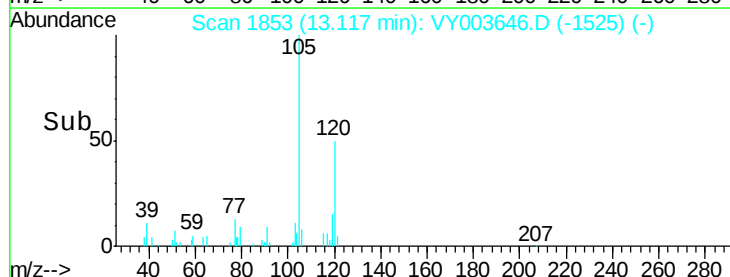
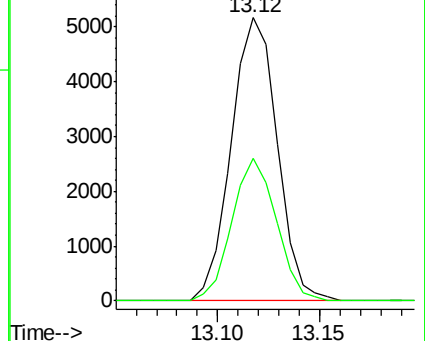
105 100

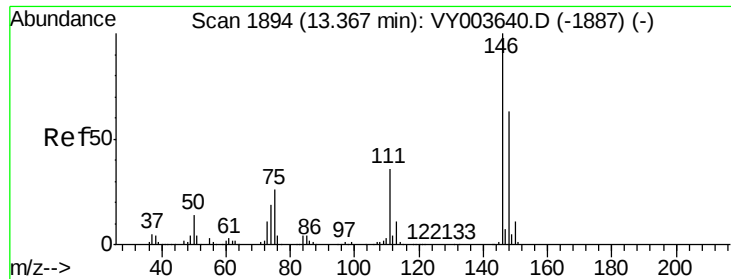
120 48.7 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





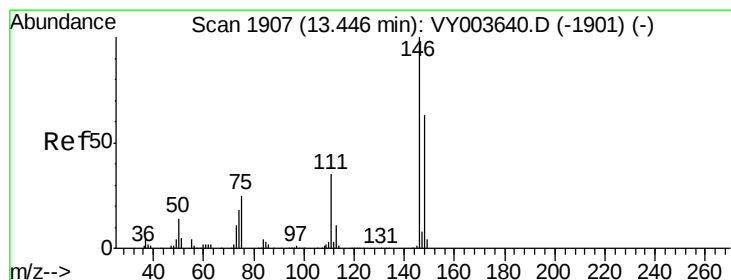
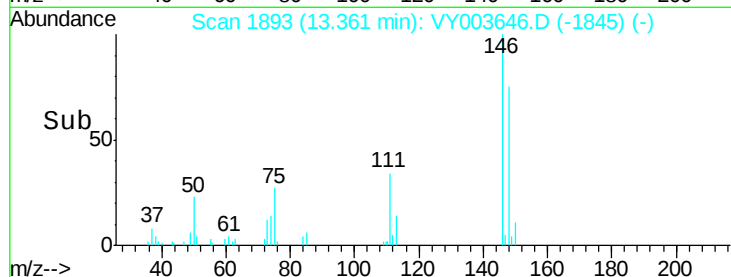
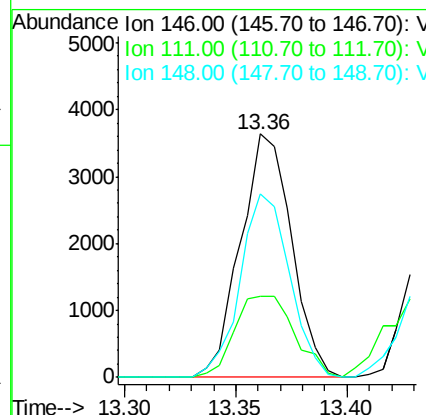
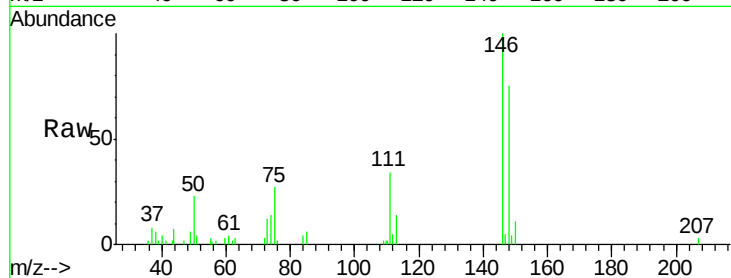
#64
 1,3-Dichlorobenzene
 Concen: 1.028 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.5	26.6	49.4
148	75.1	46.3	86.1

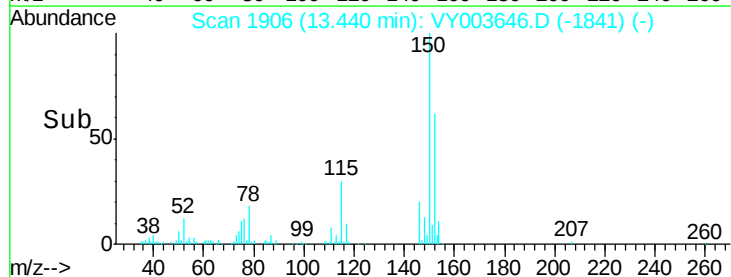
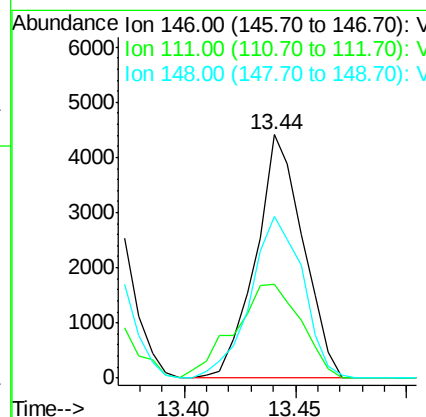
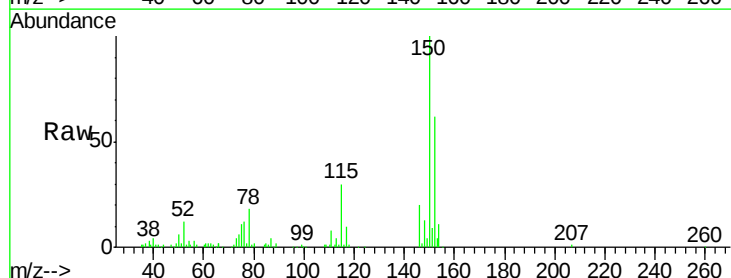
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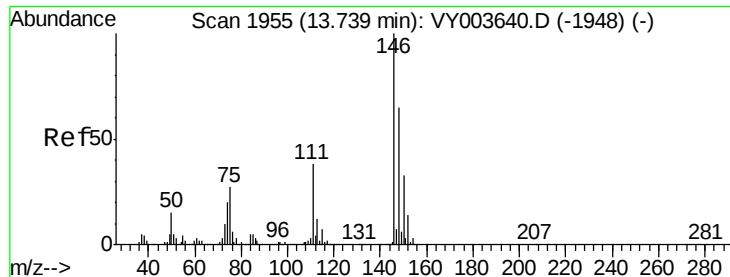
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#65
 1,4-Dichlorobenzene
 Concen: 1.132 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.7	45.9
148	66.2	43.4	80.6





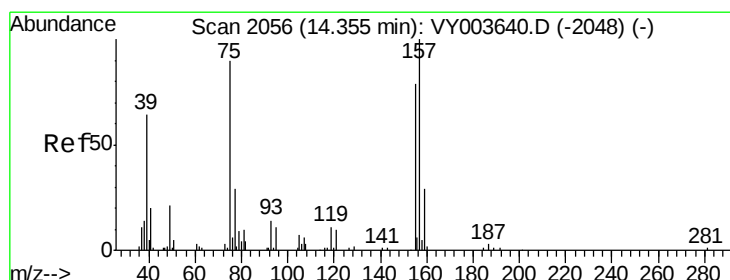
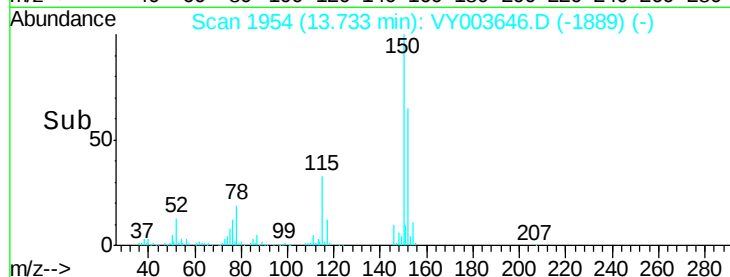
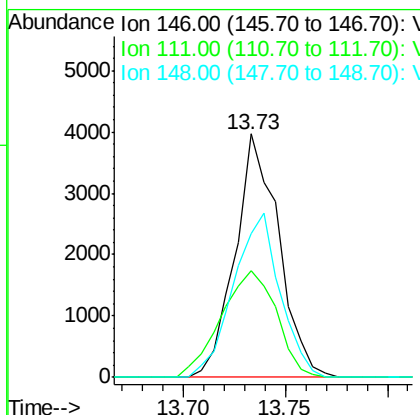
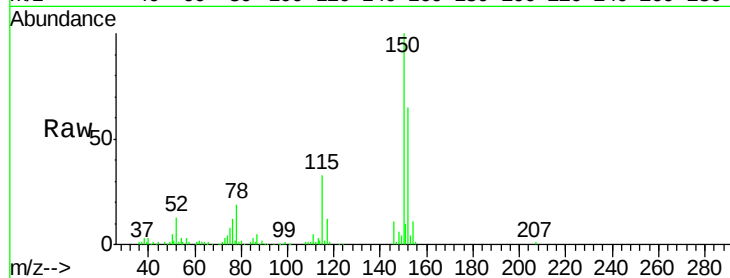
#67
 1,2-Dichlorobenzene
 Concen: 1.108 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	31.0	46.6
148	58.9	51.0	76.4

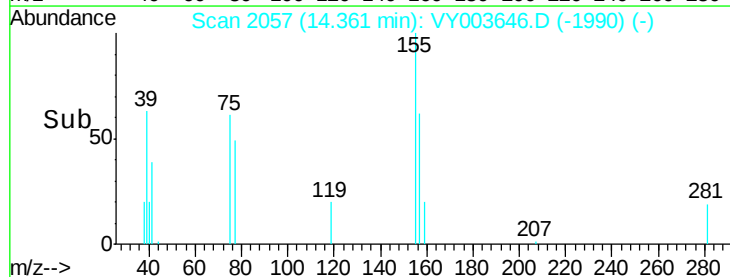
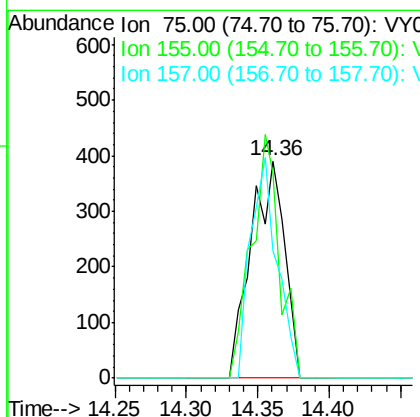
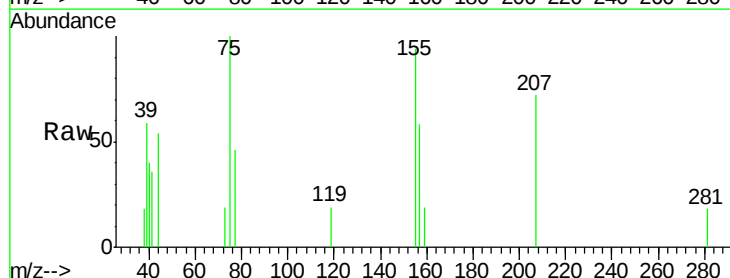
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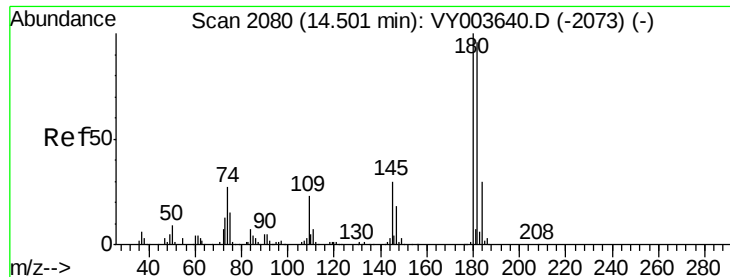
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.257 ug/L m
 RT: 14.36 min Scan# 2057
 Delta R.T. 0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	73.4	110.0
157	58.5	98.1	147.1#





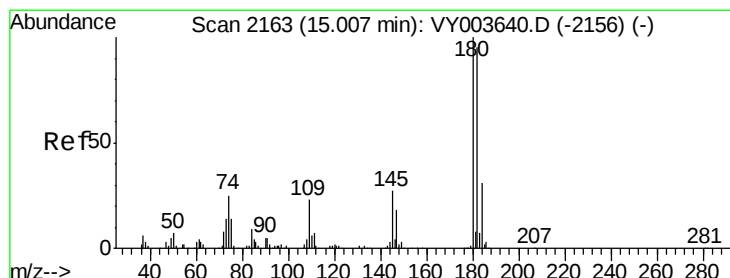
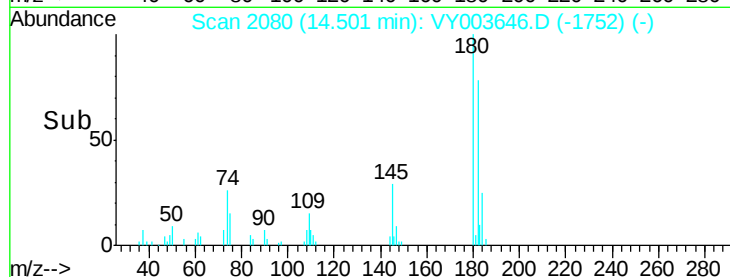
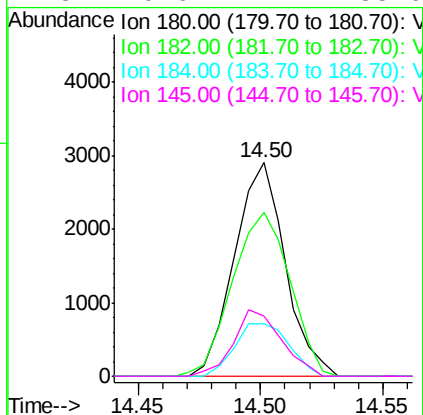
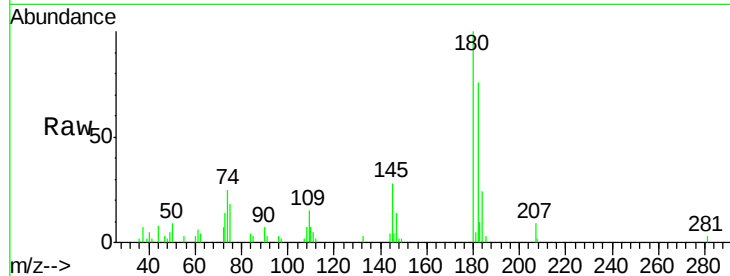
#69
 1,3,5-Trichlorobenzene
 Concen: 1.056 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.7	75.4	113.0
184	26.2	24.1	36.1
145	29.6	22.4	33.6

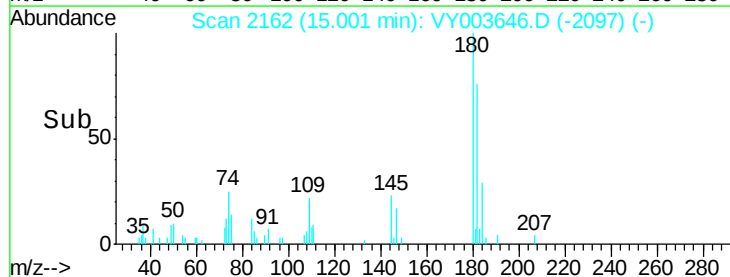
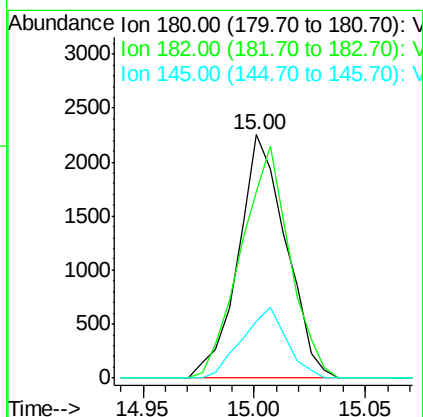
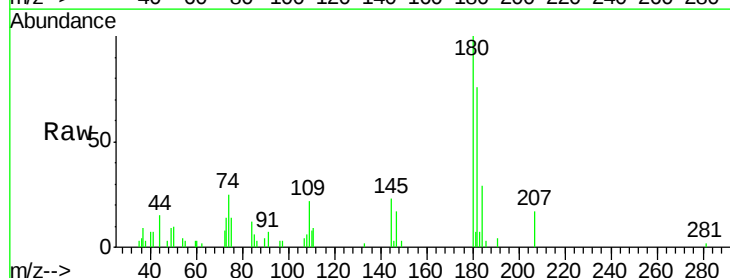
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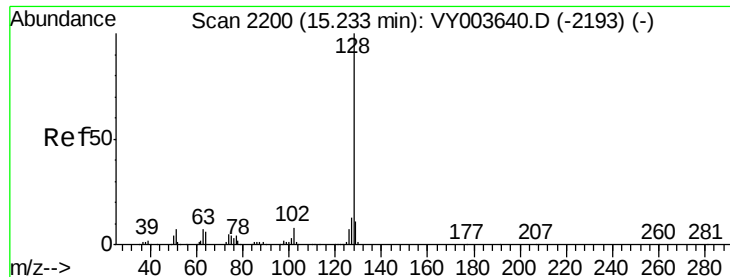
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#70
 1,2,4-trichlorobenzene
 Concen: 0.993 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003646.D
 Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.1	114.1
145	27.0	22.8	34.2





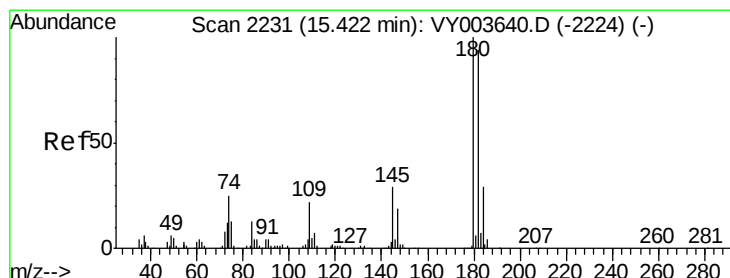
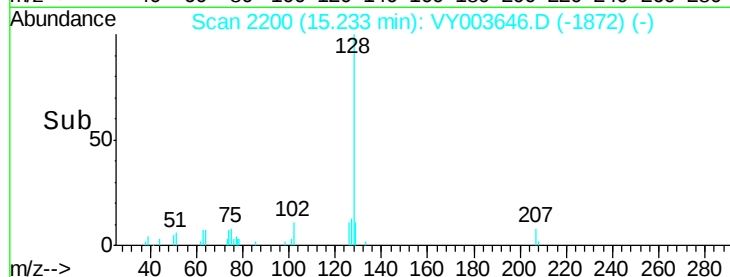
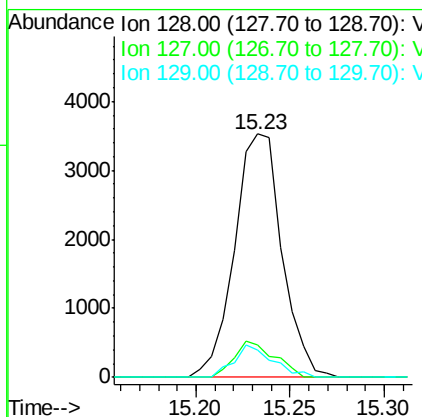
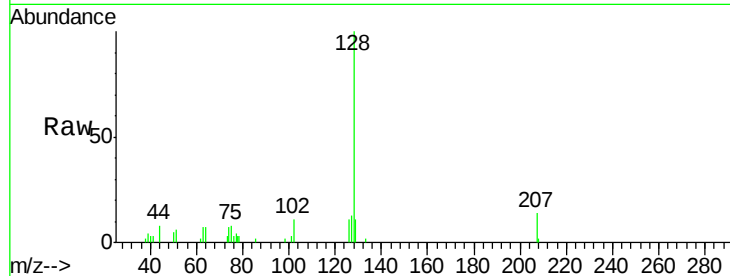
#71
Naphthalene
Concen: 0.834 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.9	8.5	12.7

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 0.949 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003646.D
Acq: 02 Dec 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	30.1	23.6	35.4

