

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003637.D
 Acq On : 01 Dec 2020 16:43
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 1:29:15 PM

Quant Time: Dec 02 02:33:16 2020

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

Quant Title : VOC Analysis

QLast Update : Wed Dec 02 02:29:19 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	233671	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	214785	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	106830	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	70485	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.36%
7) Chloroethane-d5	2.77	69	57007	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	3.86	63	113505	18.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.72%
21) 2-Butanone-d5	6.89	46	70414	53.72	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
24) Chloroform-d	7.48	84	142196	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.15	65	80516	25.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.36%
32) Benzene-d6	8.12	84	306304	25.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.36%
36) 1,2-Dichloropropane-d6	9.12	67	92904	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.96%
41) Toluene-d8	10.18	98	272069	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.43	79	43092	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.04%
47) 2-Hexanone-d5	10.79	63	53521	53.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.76%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	93744	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	97032	25.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3651	1.346 ug/L	95
3) Chloromethane	2.12	50	3703	1.259 ug/L	99
5) Vinyl chloride	2.25	62	4348	1.378 ug/L #	66
6) Bromomethane	2.66	94	2549	1.290 ug/L	82
8) Chloroethane	2.80	64	2528	1.283 ug/L	93
9) Trichlorofluoromethane	3.13	101	6387	1.334 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	3972	1.242 ug/L #	90
12) 1,1-Dichloroethene	3.88	96	4767	1.569 ug/L #	1
13) Acetone	3.95	43	3335m	3.550 ug/L	
14) Carbon disulfide	4.20	76	11953	1.191 ug/L	96
15) Methyl Acetate	4.49	43	2550	1.127 ug/L #	79
16) Methylene chloride	4.72	84	15174	3.847 ug/L	95
17) trans-1,2-Dichloroethene	5.23	96	3988	1.195 ug/L	84
18) Methyl tert-butyl Ether	5.24	73	9306	1.141 ug/L #	65
19) 1,1-Dichloroethane	6.03	63	6816	1.214 ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	4402	1.258 ug/L #	54
22) 2-Butanone	7.00	43	6497	4.114 ug/L #	68

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Quant Time: Dec 02 02:33:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 02 02:29:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2137	1.253	ug/L	86
25) Chloroform	7.51	83	7658	1.361	ug/L	90
27) 1,2-Dichloroethane	8.25	62	4826	1.303	ug/L	97
29) Cyclohexane	7.80	56	5955	1.168	ug/L #	21
30) 1,1,1-Trichloroethane	7.72	97	6529	1.333	ug/L	98
31) Carbon tetrachloride	7.90	117	5701	1.290	ug/L	98
33) Benzene	8.17	78	17000	1.295	ug/L	100
34) Trichloroethene	8.94	95	3944	1.204	ug/L	93
35) Methylcyclohexane	9.19	83	6484	1.157	ug/L	97
37) 1,2-Dichloropropane	9.22	63	4228	1.269	ug/L #	90
38) Bromodichloromethane	9.50	83	5057	1.206	ug/L #	97
39) cis-1,3-Dichloropropene	9.92	75	6075	1.180	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	8235	2.815	ug/L	98
42) Toluene	10.25	91	17564	1.274	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	7598	1.599	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	3419	1.222	ug/L	97
46) Tetrachloroethene	10.72	164	3693	1.317	ug/L	92
48) 2-Hexanone	10.83	43	5017	2.349	ug/L	99
49) Dibromochloromethane	10.98	129	3742	1.157	ug/L	95
50) 1,2-Dibromoethane	11.09	107	3283	1.213	ug/L #	99
51) Chlorobenzene	11.51	112	11379	1.281	ug/L	95
52) Ethylbenzene	11.59	91	17519	1.187	ug/L	99
53) m,p-Xylene	11.70	106	7201	1.248	ug/L	89
54) o-Xylene	12.03	106	6108	1.121	ug/L	94
55) Styrene	12.04	104	9960	1.068	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	4950	1.335	ug/L #	97
59) Bromoform	12.21	173	2517	1.200	ug/L	96
60) Isopropylbenzene	12.33	105	14875	1.089	ug/L	95
61) 1,2,3-Trichloropropane	12.63	75	3345	1.309	ug/L	93
62) 1,3,5-Trimethylbenzene	12.81	105	11896	1.098	ug/L	95
63) 1,2,4-Trimethylbenzene	13.12	105	11233	1.050	ug/L	100
64) 1,3-Dichlorobenzene	13.37	146	8102	1.226	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	9179	1.367	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	7987	1.287	ug/L #	92
68) 1,2-Dibromo-3-chloropropan	14.35	75	823m	1.388	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	5503	1.185	ug/L	96
70) 1,2,4-trichlorobenzene	15.01	180	4894	1.238	ug/L	99
71) Naphthalene	15.23	128	9147	1.060	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	4293	1.182	ug/L	99

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

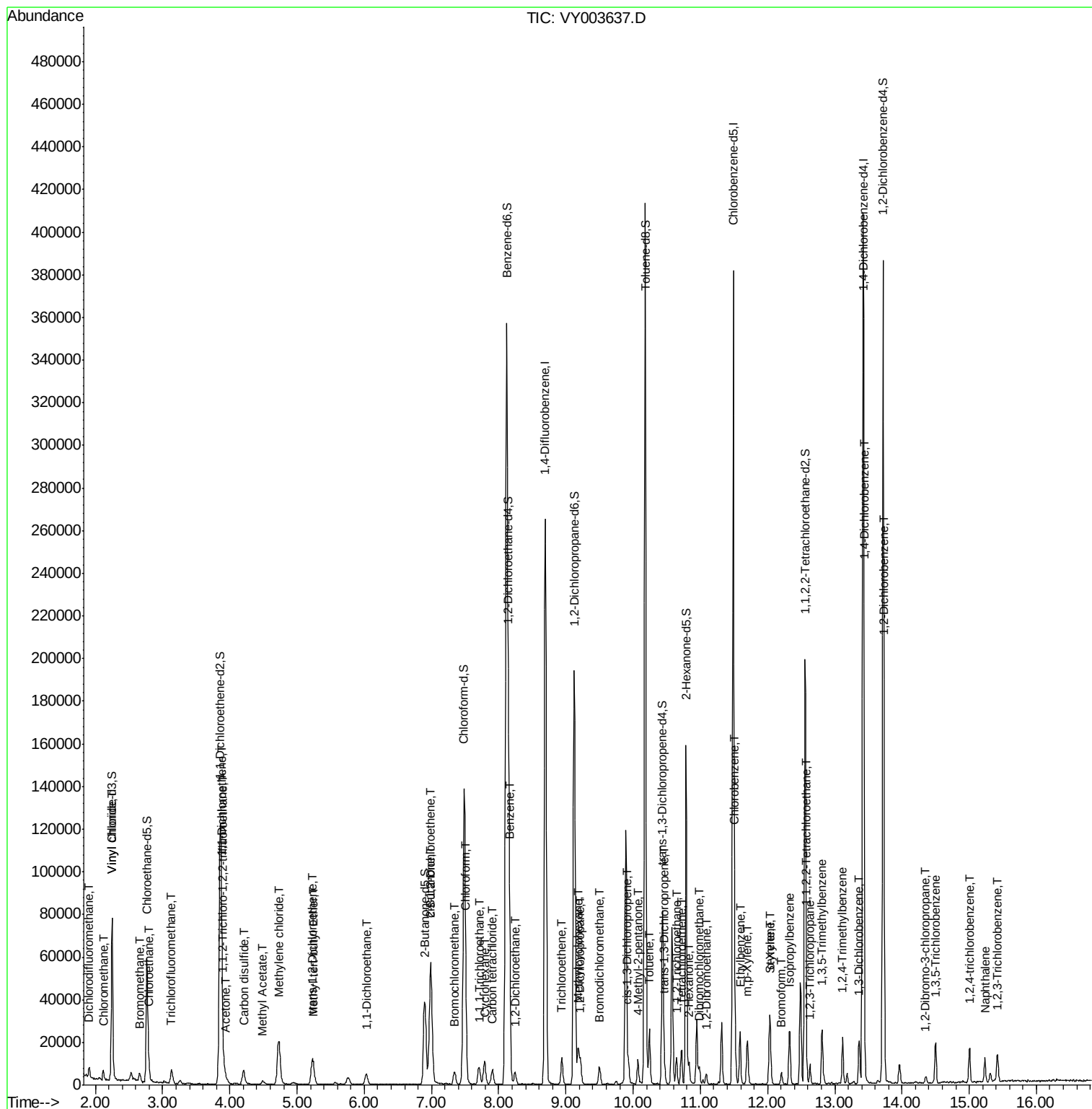
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
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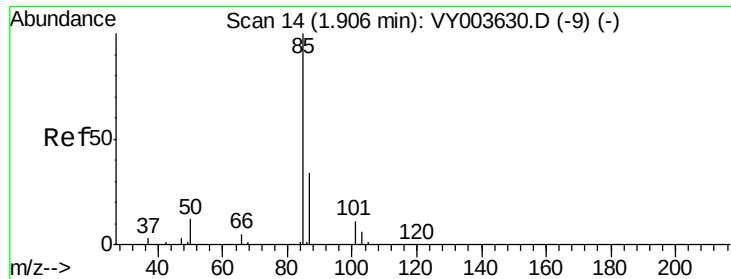
Instrument :
MSVOA_Y
ClientSampleId :
MDL02

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Quant Title : VOC Analysis
QLast Update : Wed Dec 02 02:29:19 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.346 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 3651

Ion Ratio Lower Upper

85 100

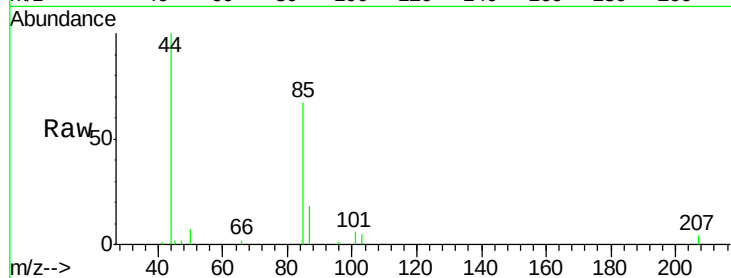
87 29.2 25.4 38.2

Manual Integrations

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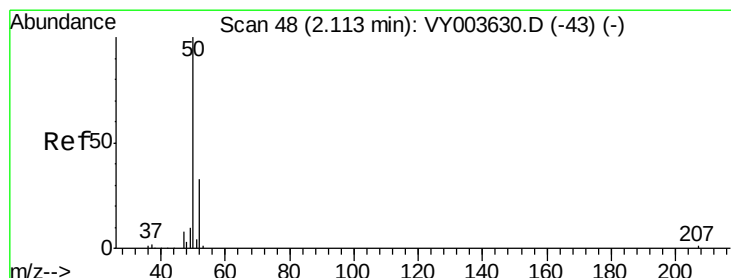
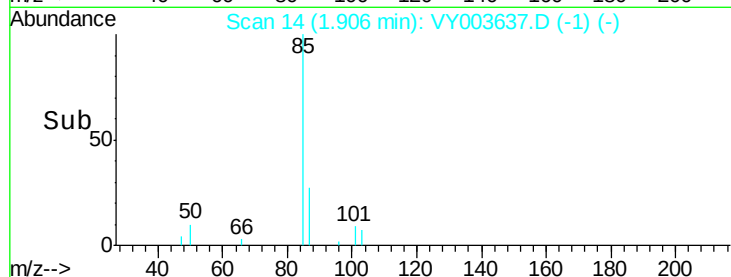
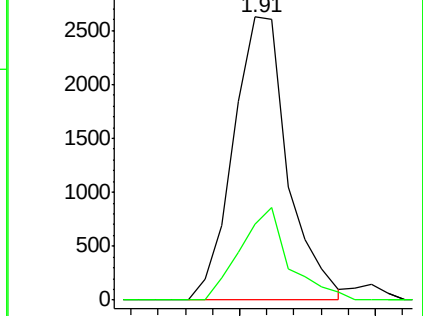
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.259 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003637.D

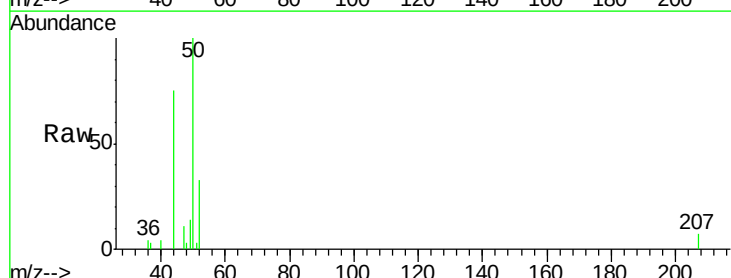
Acq: 01 Dec 2020 16:43

Tgt Ion: 50 Resp: 3703

Ion Ratio Lower Upper

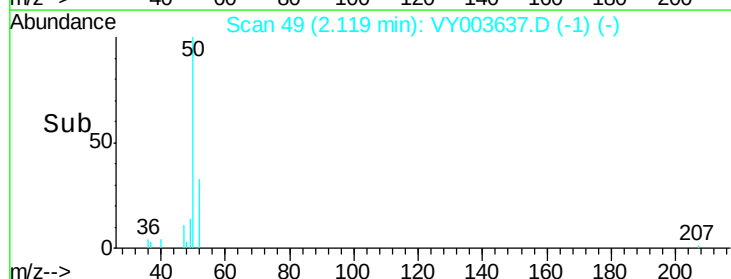
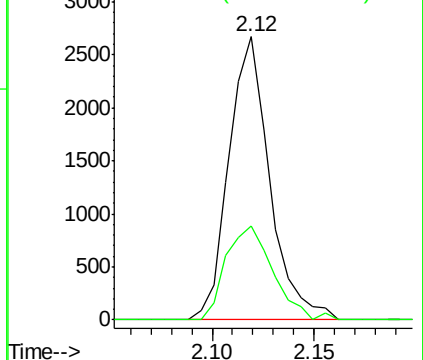
50 100

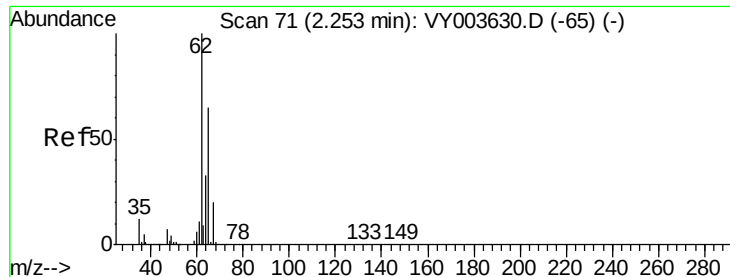
52 33.3 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.378 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 4348

Ion Ratio Lower Upper

62 100

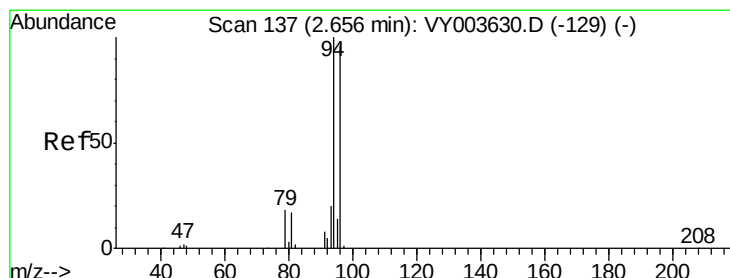
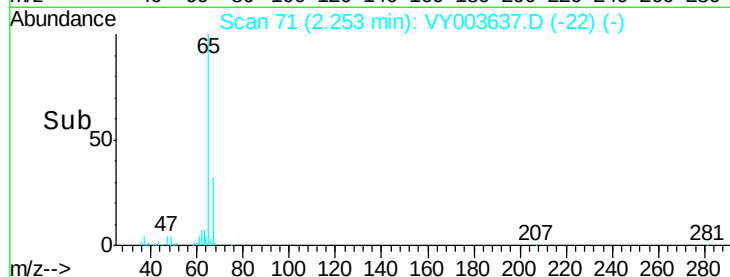
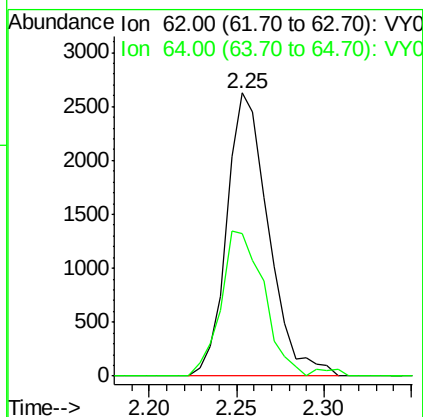
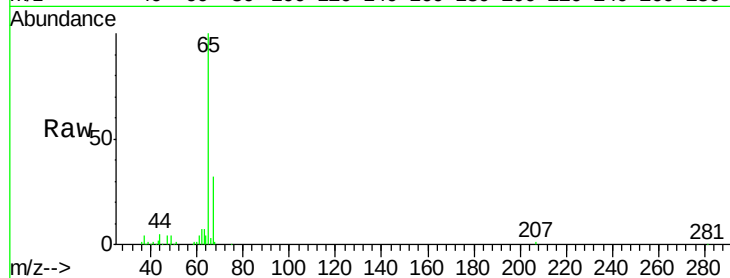
64 50.3 21.9 40.7#

Manual Integrations

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#6

Bromomethane

Concen: 1.290 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003637.D

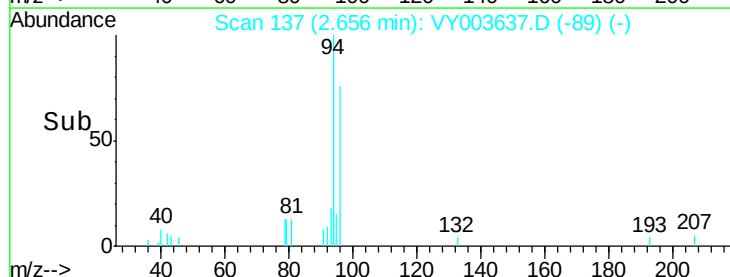
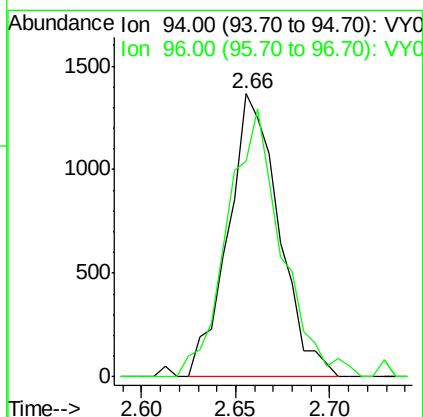
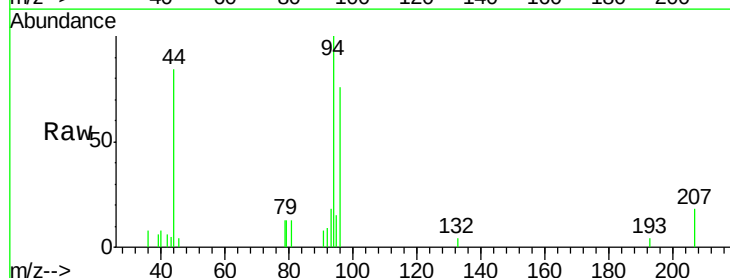
Acq: 01 Dec 2020 16:43

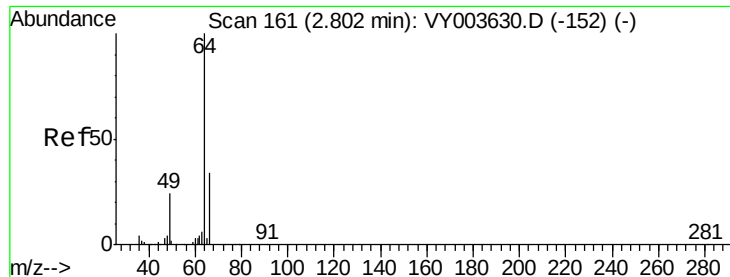
Tgt Ion: 94 Resp: 2549

Ion Ratio Lower Upper

94 100

96 75.9 65.2 121.0





#8

Chloroethane

Concen: 1.283 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 2528

Ion Ratio Lower Upper

64 100

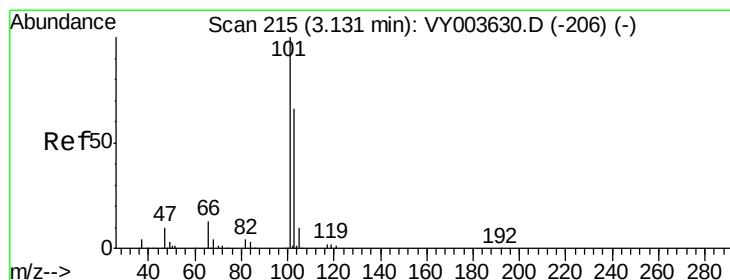
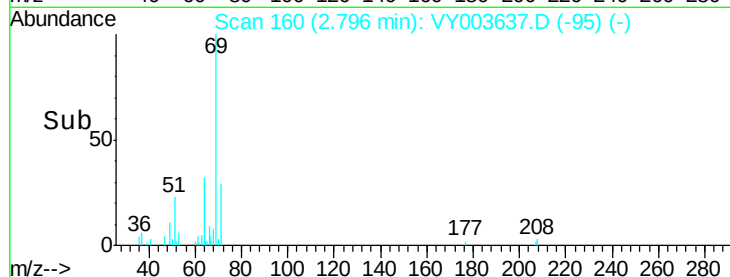
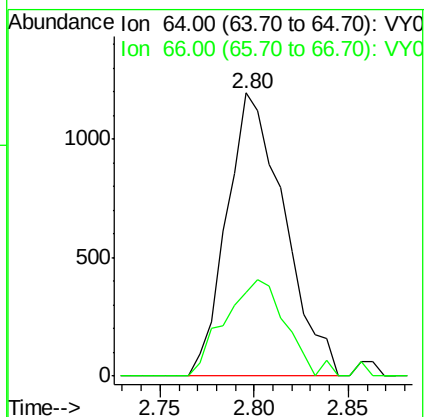
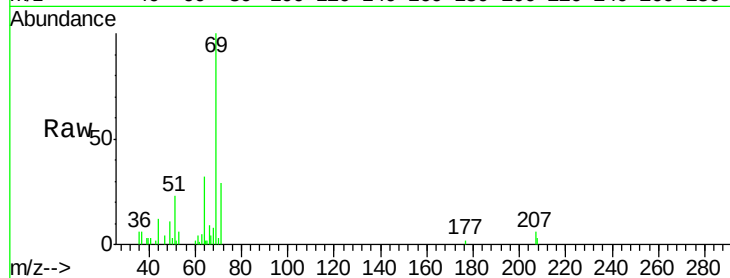
66 28.1 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.334 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003637.D

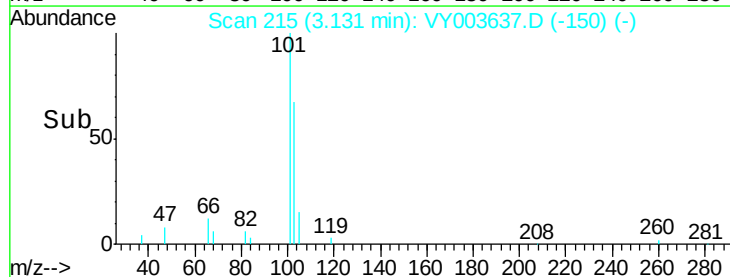
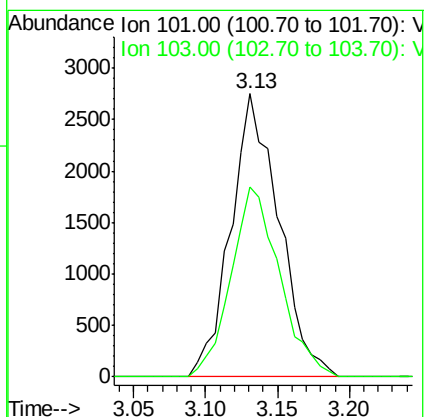
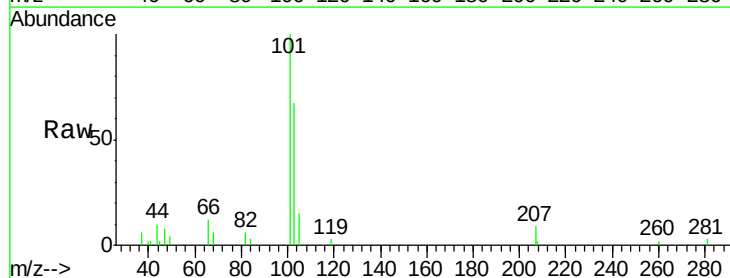
Acq: 01 Dec 2020 16:43

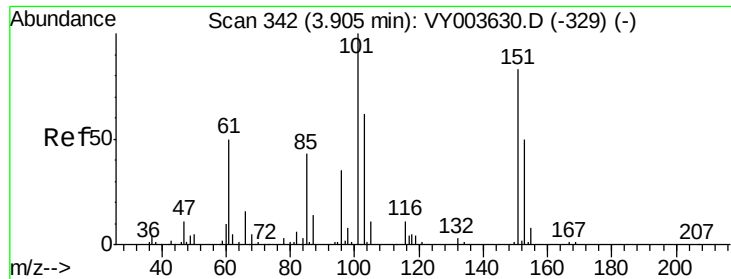
Tgt Ion: 101 Resp: 6387

Ion Ratio Lower Upper

101 100

103 67.5 51.9 77.9





#10

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

Concen: 1.242 ug/L

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

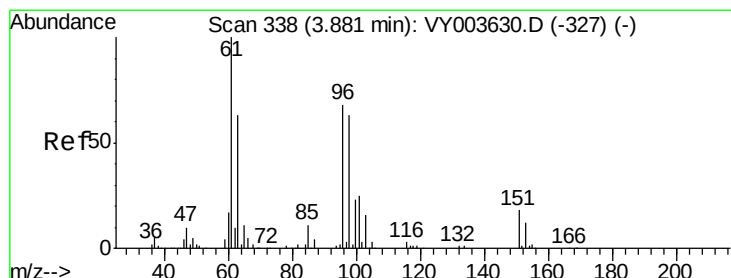
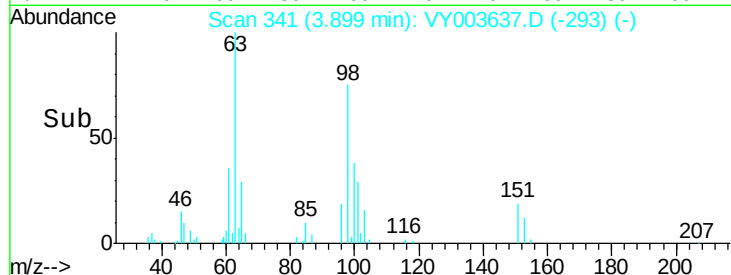
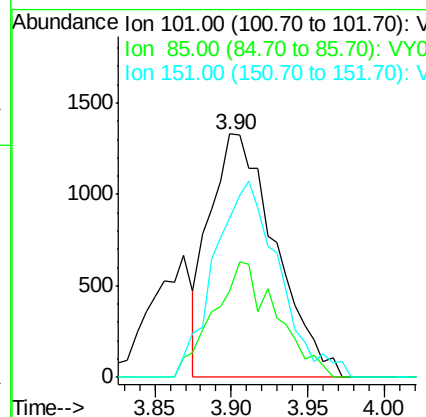
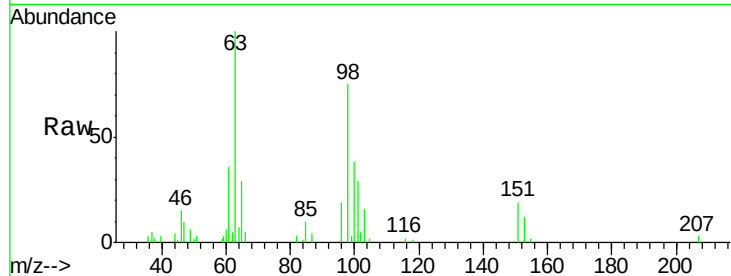
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	3972
Ion Ratio	Lower	Upper	
101	100		
85	30.6	35.6	53.4#
151	76.6	64.2	96.2

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#12

1,1-Dichloroethene

Concen: 1.569 ug/L

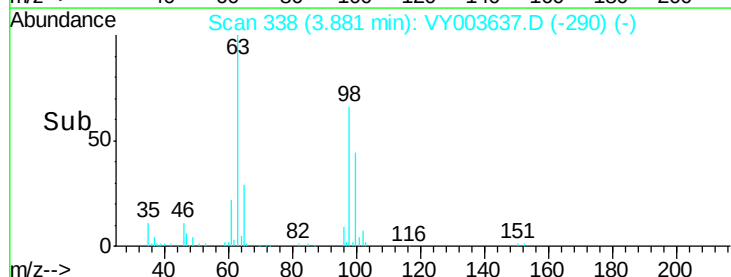
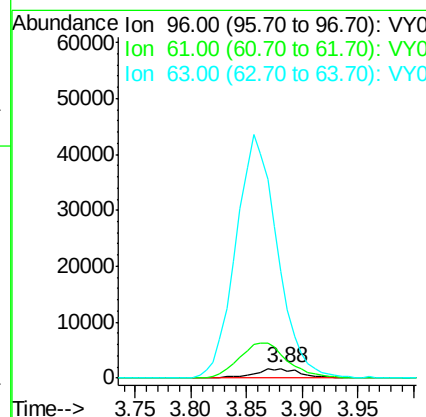
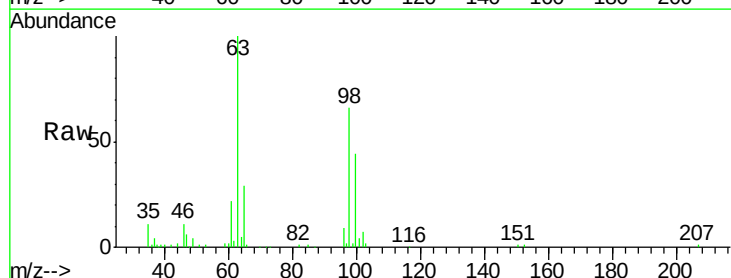
RT: 3.88 min Scan# 338

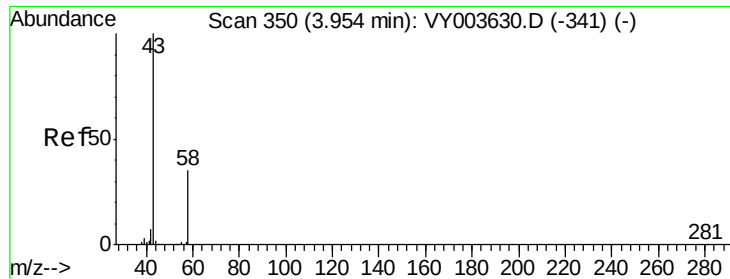
Delta R.T. -0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Tgt Ion:	96	Resp:	4767
Ion Ratio	Lower	Upper	
96	100		
61	244.4	106.1	197.1#
63	1125.3	62.9	116.9#





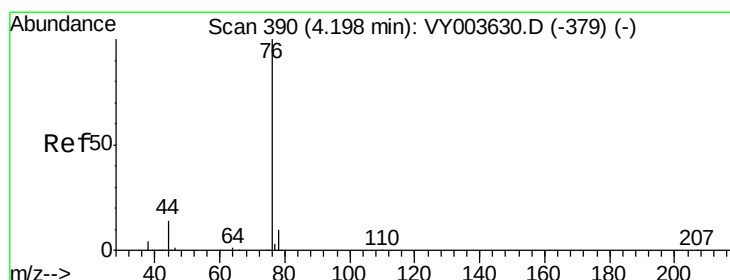
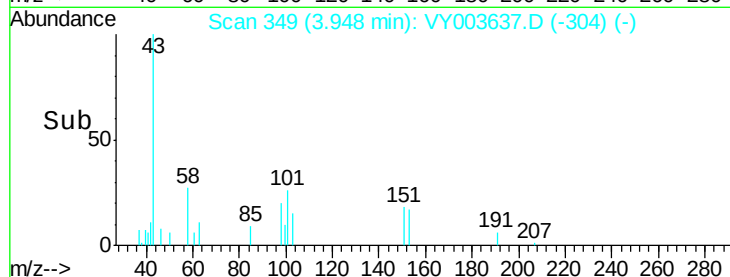
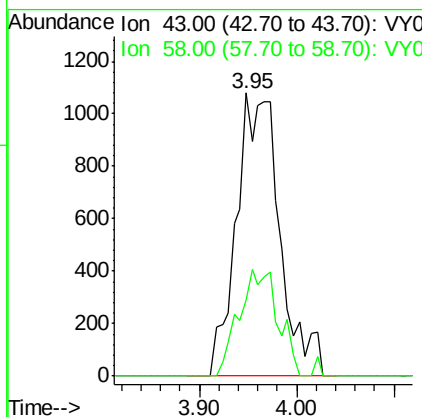
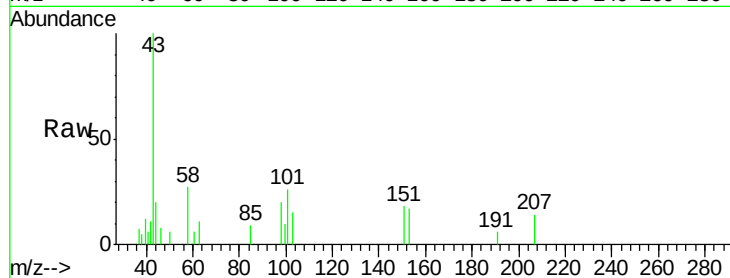
#13
Acetone
Concen: 3.550 ug/L m
RT: 3.95 min Scan# 349
Delta R.T. -0.02 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

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Tot Ion	Ratio	Lower	Upper
43	100		
58	18.4	0.0	61.6

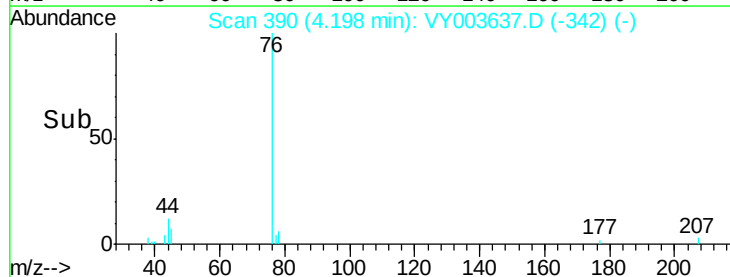
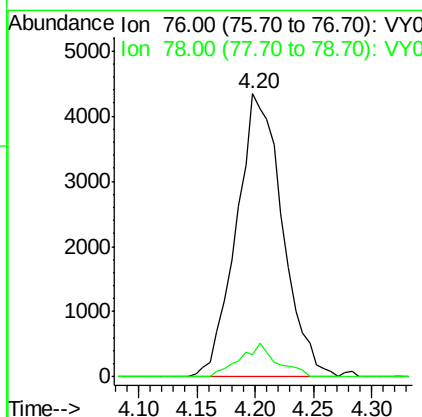
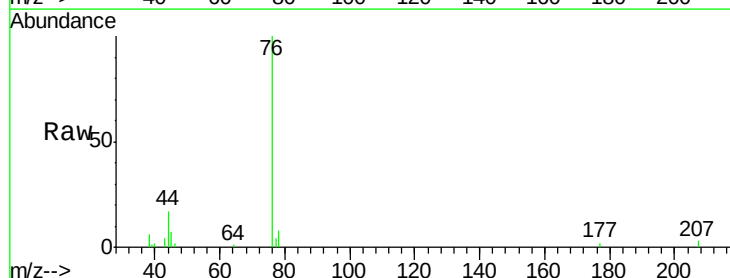
Manual Integrations
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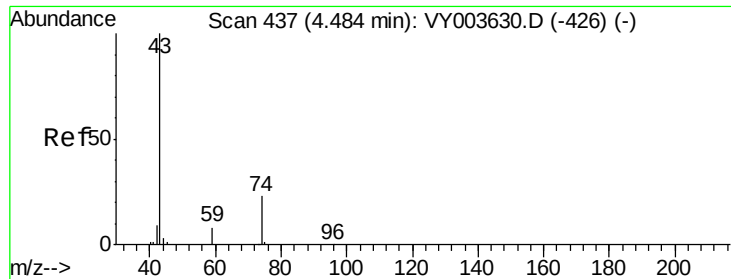
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#14
Carbon disulfide
Concen: 1.191 ug/L
RT: 4.20 min Scan# 390
Delta R.T. -0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.3	10.9





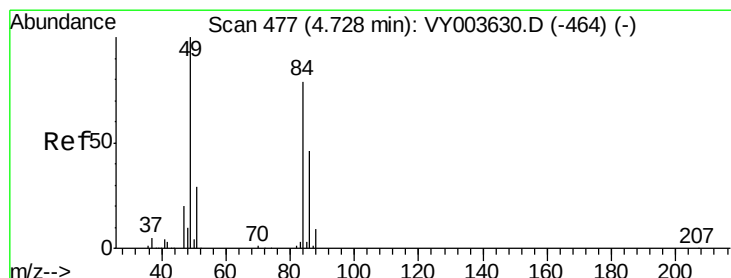
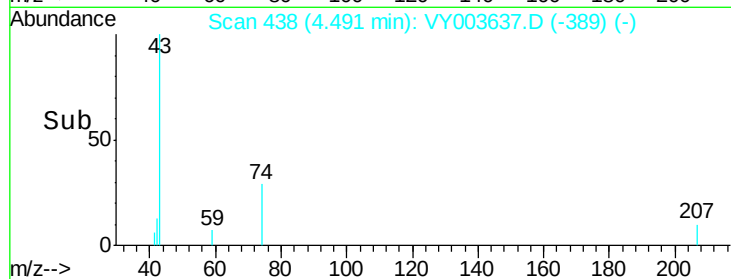
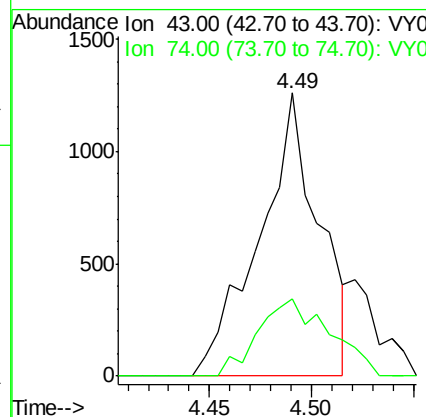
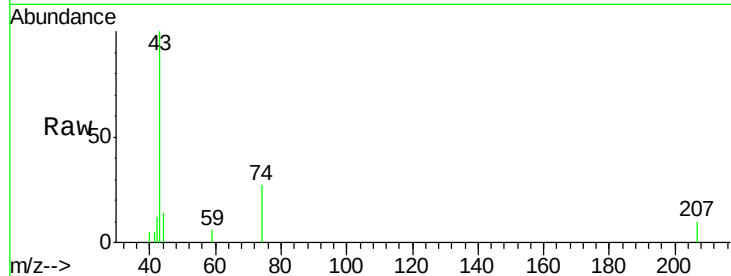
#15
Methyl Acetate
Concen: 1.127 ug/L
RT: 4.49 min Scan# 438
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
74 33.1 18.2 27.2#

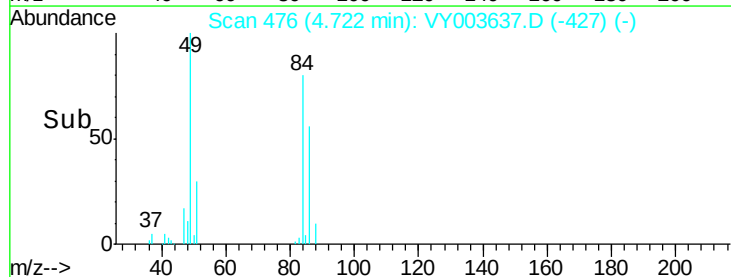
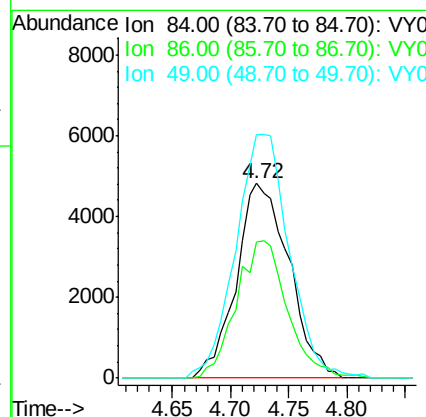
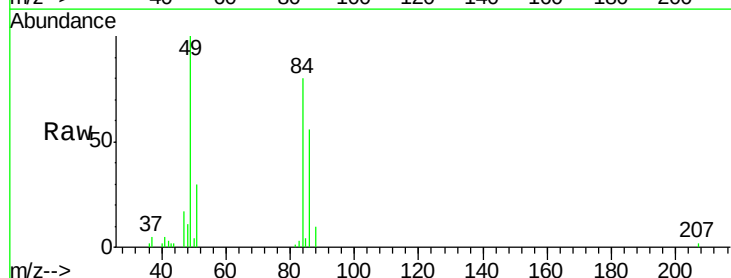
Manual Integrations
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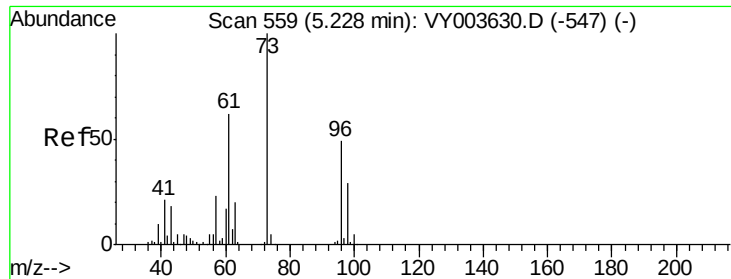
MMDadoda
12/2/2020 1:29:15 PM



#16
Methylene chloride
Concen: 3.847 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion: 84 Resp: 15174
Ion Ratio Lower Upper
84 100
86 69.8 43.3 80.3
49 125.0 85.3 158.5





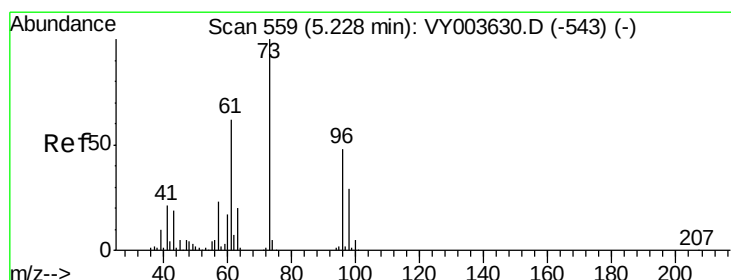
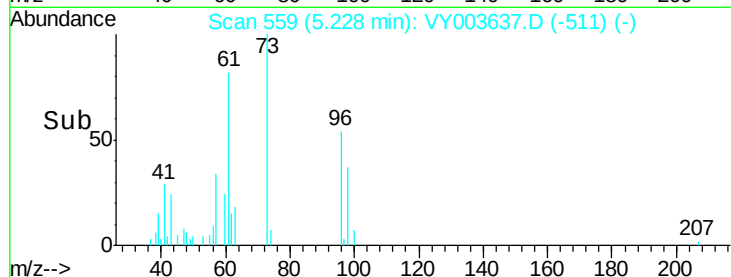
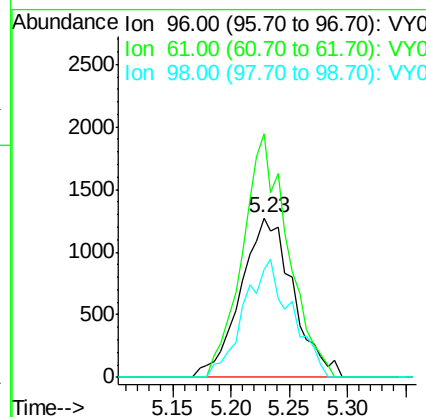
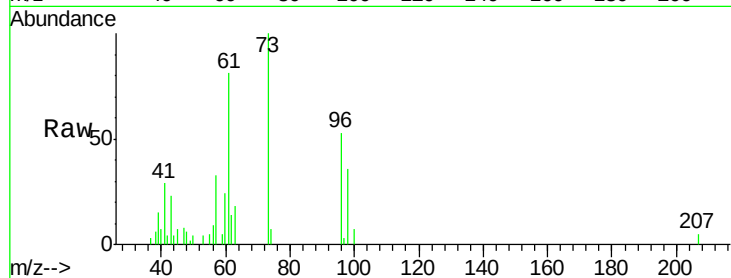
#17
trans-1,2-Dichloroethene
Concen: 1.195 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	89.5	166.1
98	68.0	45.5	84.5

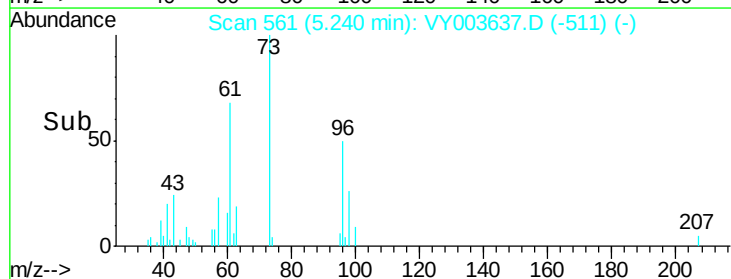
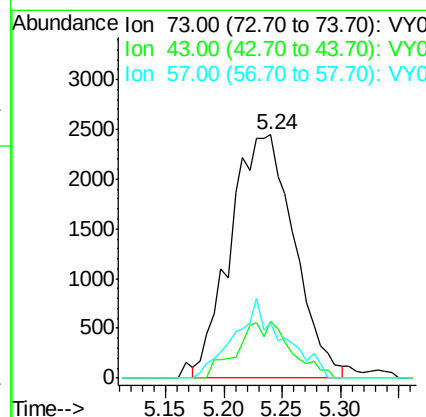
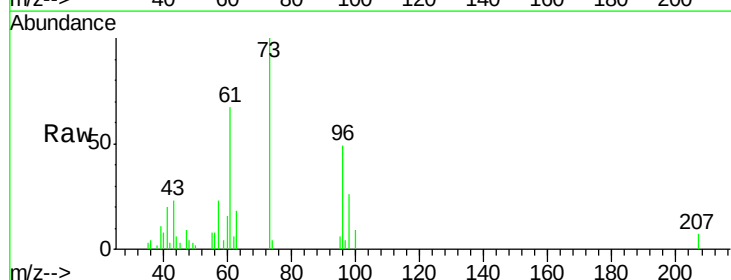
Manual Integrations
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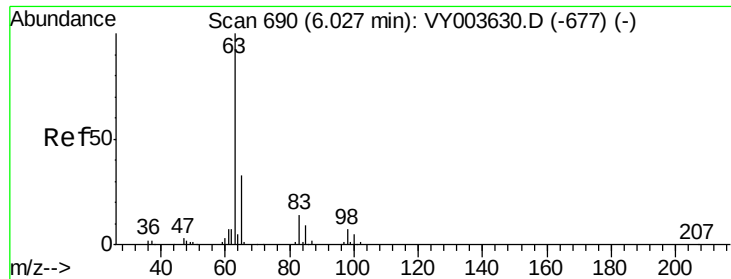
MMDadoda
12/2/2020 1:29:15 PM



#18
Methyl tert-butyl Ether
Concen: 1.141 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	9.3	15.2	22.8#
57	0.0	18.1	27.1#





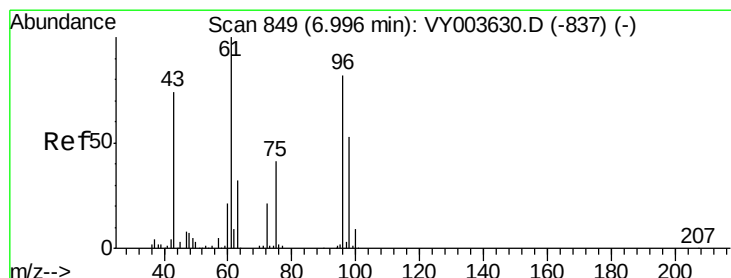
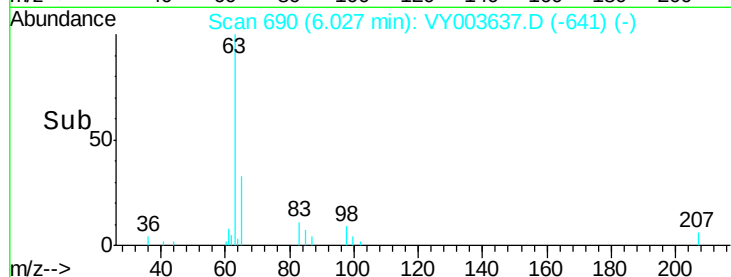
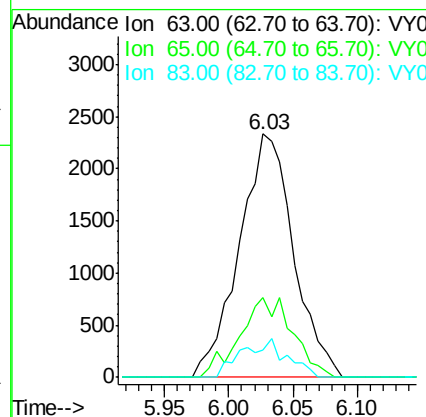
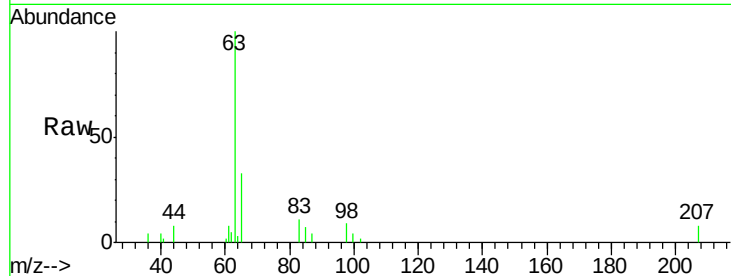
#19
 1,1-Dichloroethane
 Concen: 1.214 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion:	63	Resp:	6816
Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.9	40.7
83	11.4	9.5	17.7

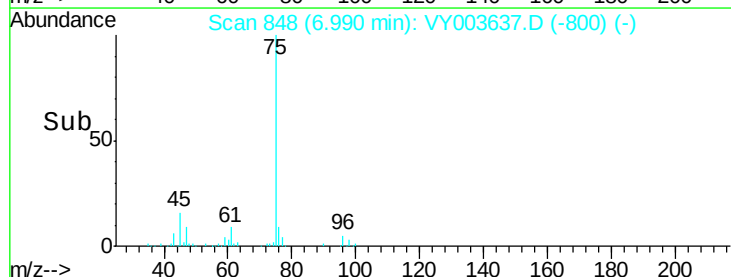
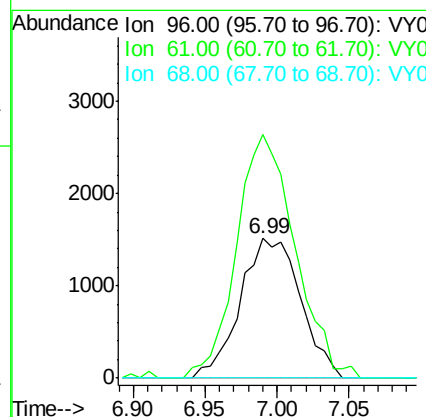
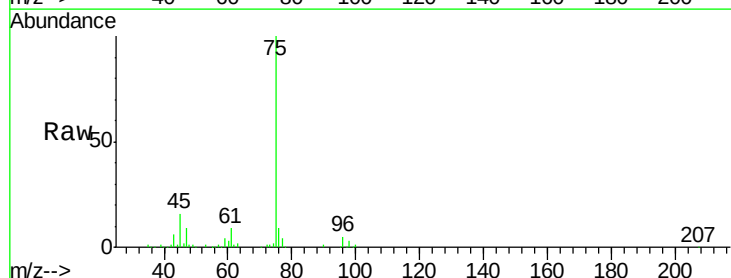
Manual Integrations
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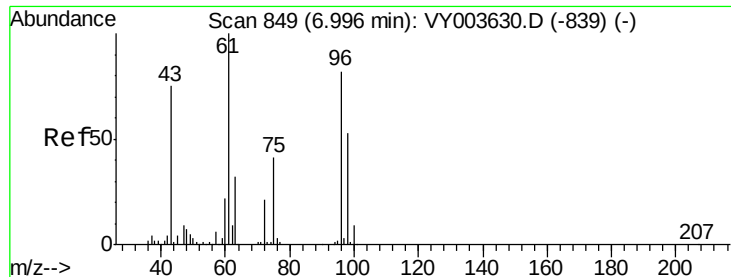
MMDadoda
 12/2/2020 1:29:15 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.258 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion:	96	Resp:	4402
Ion	Ratio	Lower	Upper
96	100		
61	174.5	85.8	159.4#
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.114 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 6497

Ion Ratio Lower Upper

43 100

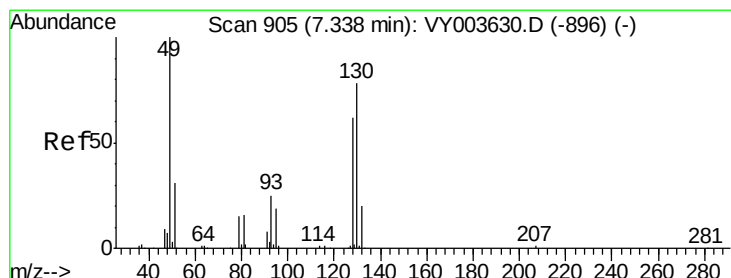
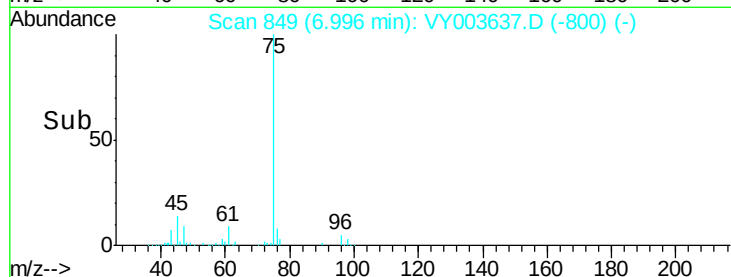
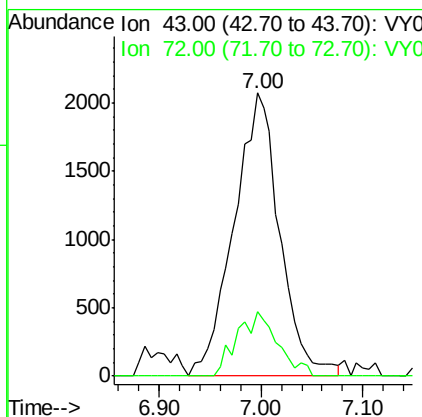
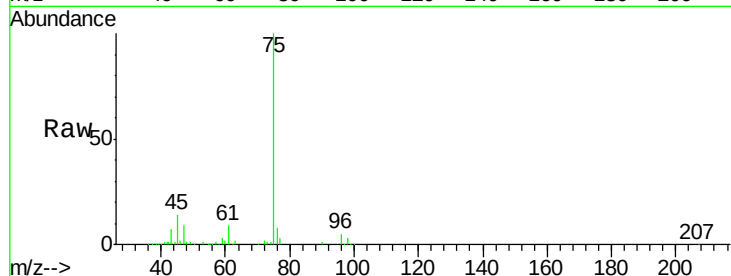
72 10.6 13.5 40.5#

Manual Integrations

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MMDadoda

12/2/2020 1:29:15 PM



#23

Bromochloromethane

Concen: 1.253 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Tgt Ion: 128 Resp: 2137

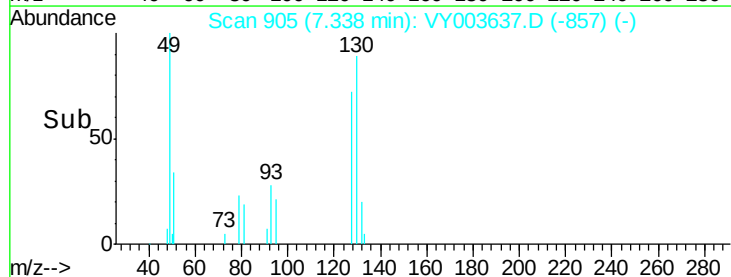
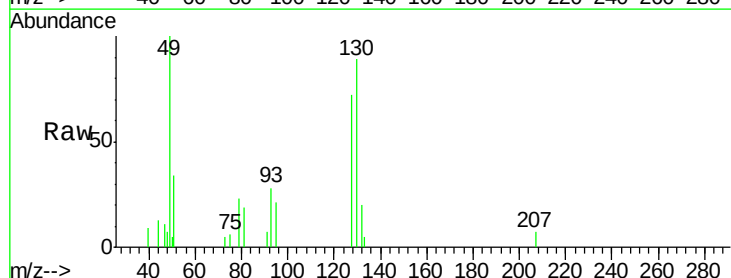
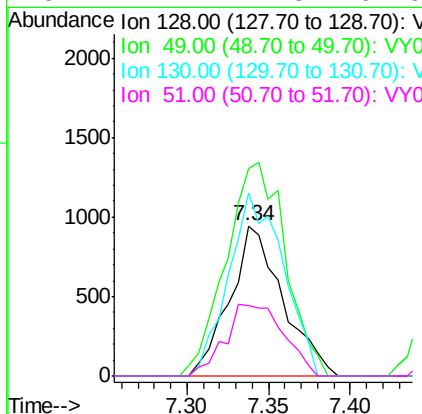
Ion Ratio Lower Upper

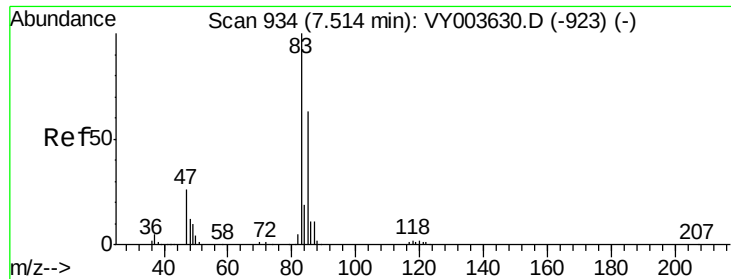
128 100

49 138.1 118.1 219.3

130 122.5 90.5 168.1

51 47.4 41.3 61.9





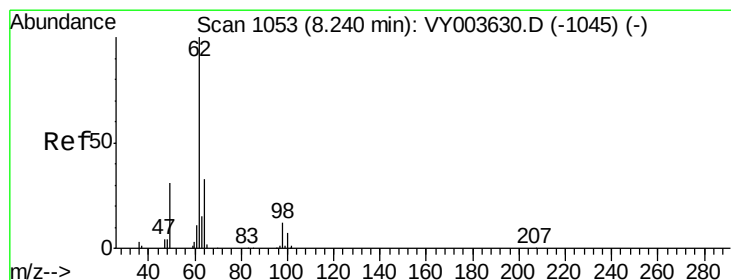
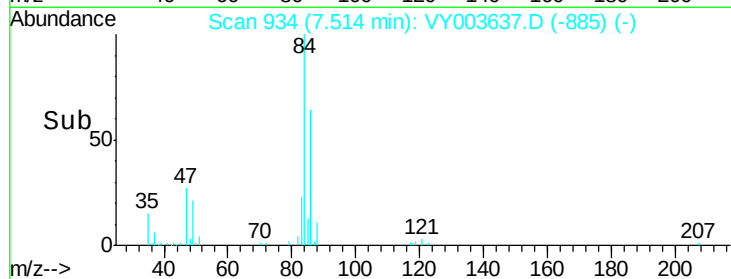
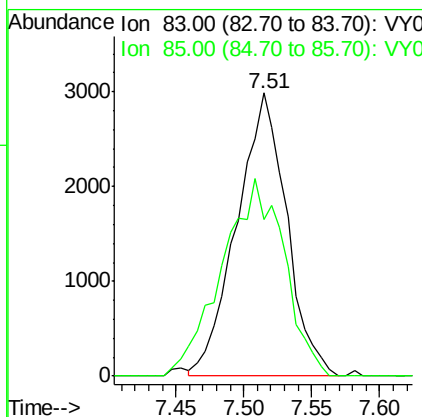
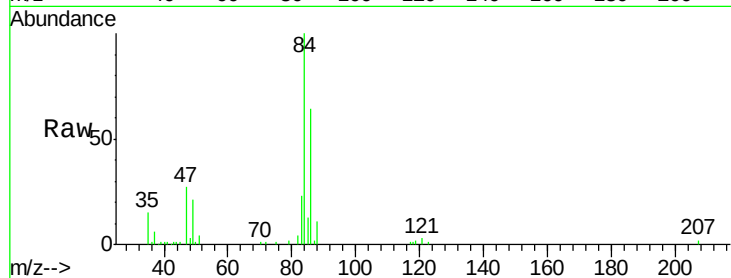
#25
Chloroform
Concen: 1.361 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	83	Resp	7658
Ion Ratio	100	Lower	Upper
85	55.6	44.4	82.4

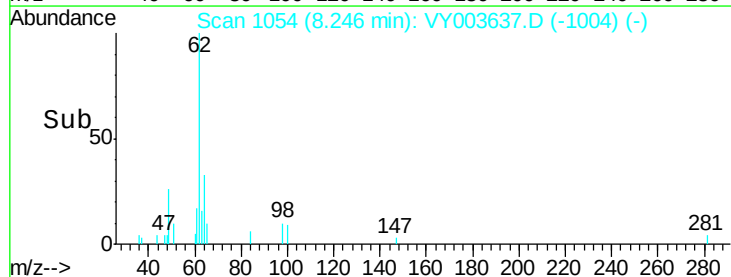
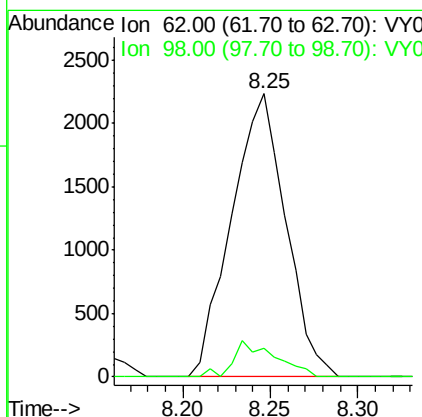
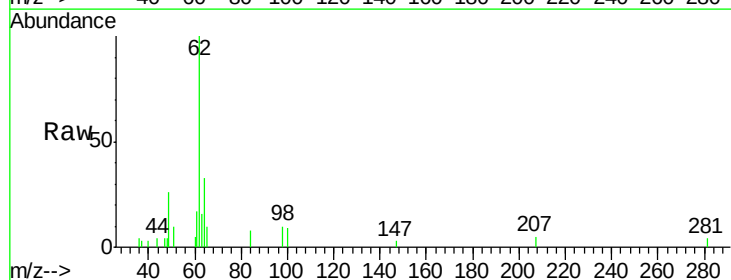
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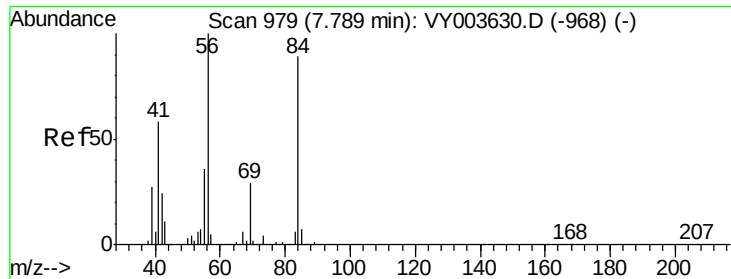
MMDadoda
12/2/2020 1:29:15 PM



#27
1,2-Dichloroethane
Concen: 1.303 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	62	Resp	4826
Ion Ratio	100	Lower	Upper
98	10.3	7.5	11.3





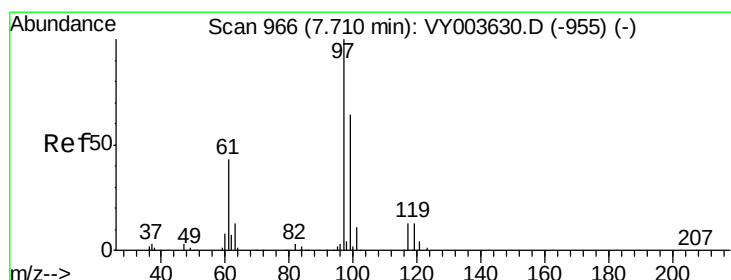
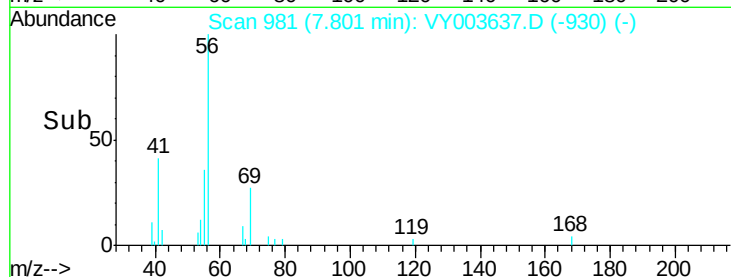
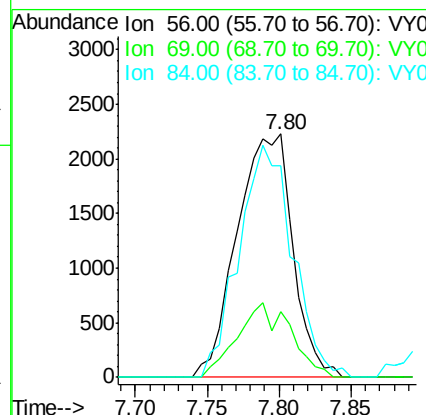
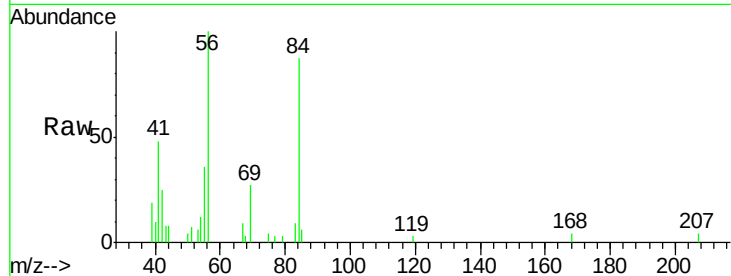
#29
Cyclohexane
Concen: 1.168 ug/L
RT: 7.80 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	10.5	23.9	35.9#
84	1.4	71.9	107.9#

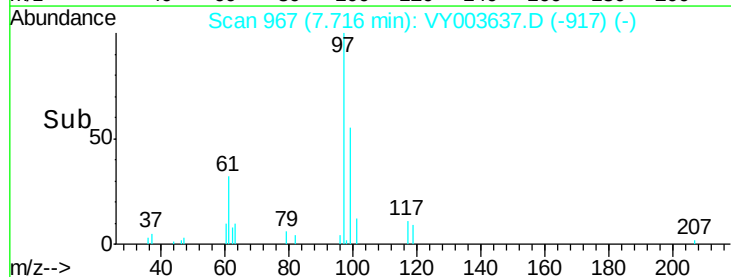
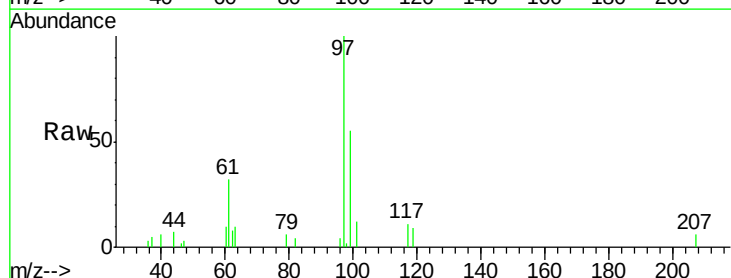
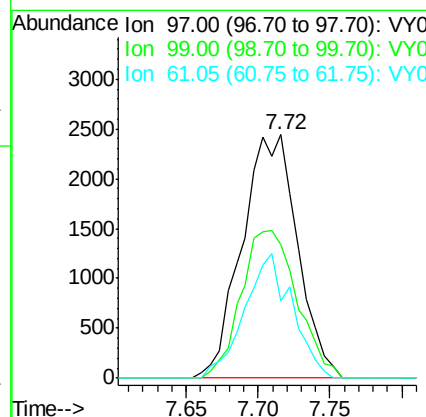
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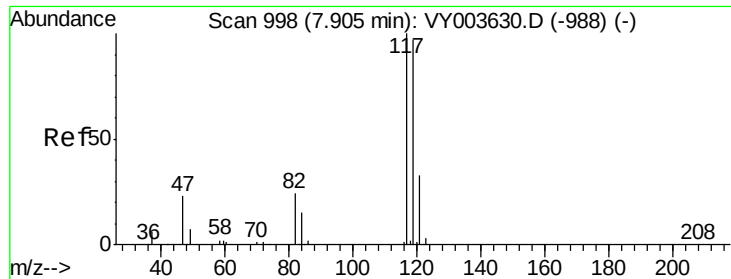
MMDadoda
12/2/2020 1:29:15 PM



#30
1,1,1-Trichloroethane
Concen: 1.333 ug/L
RT: 7.72 min Scan# 967
Delta R.T. 0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	50.6	76.0
61	43.8	34.3	51.5





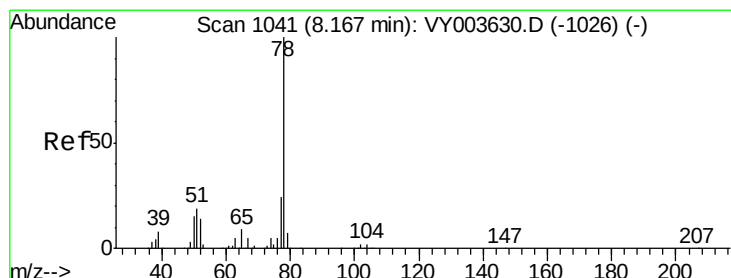
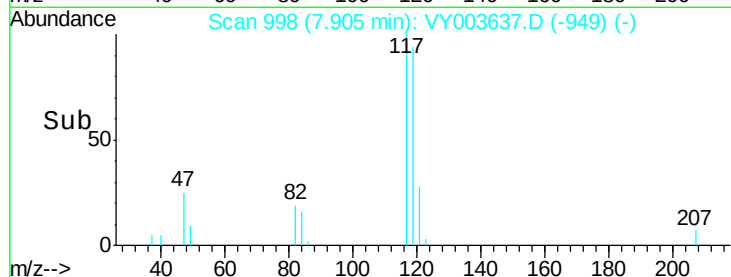
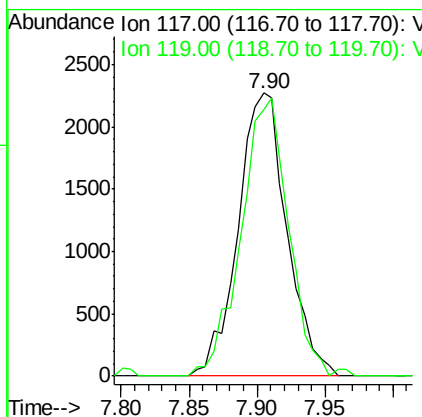
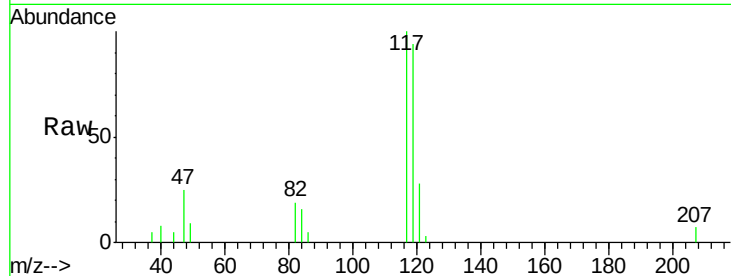
#31
Carbon tetrachloride
Concen: 1.290 ug/L
RT: 7.90 min Scan# 998
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion:117 Resp: 5701
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5

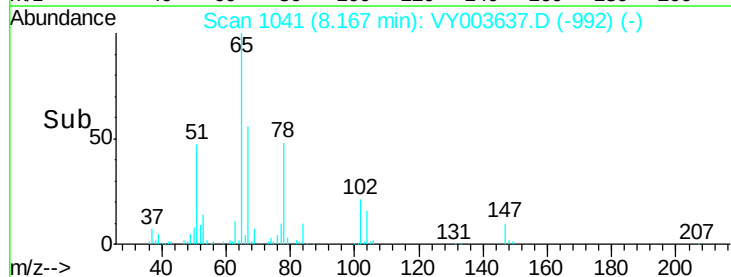
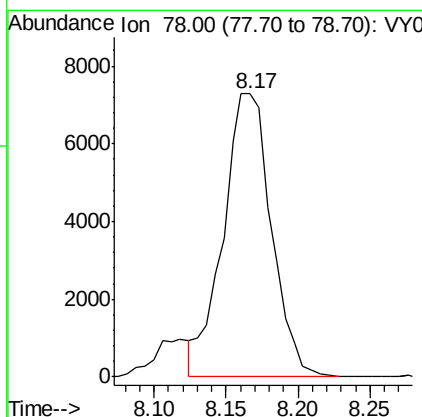
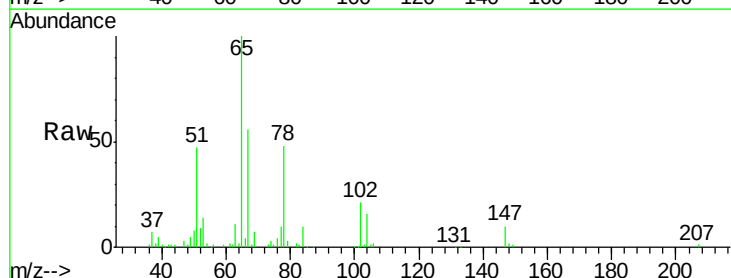
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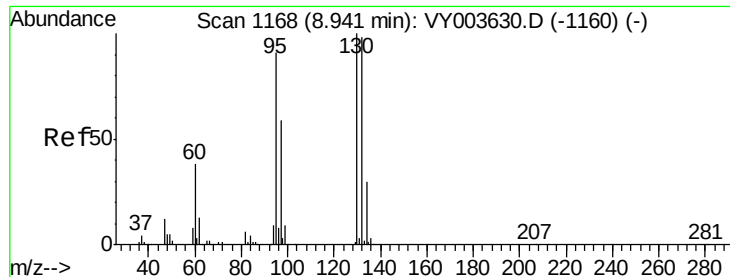
MMDadoda
12/2/2020 1:29:15 PM



#33
Benzene
Concen: 1.295 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion: 78 Resp: 17000





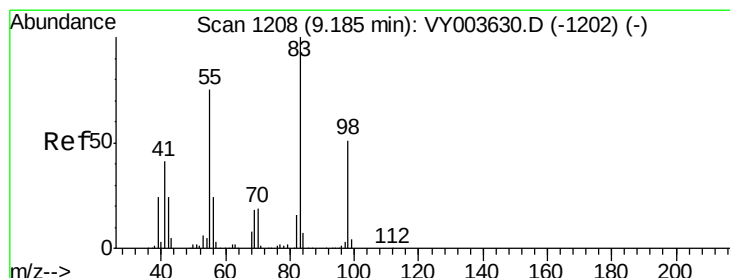
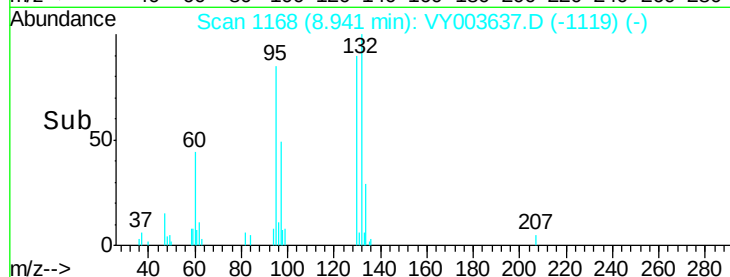
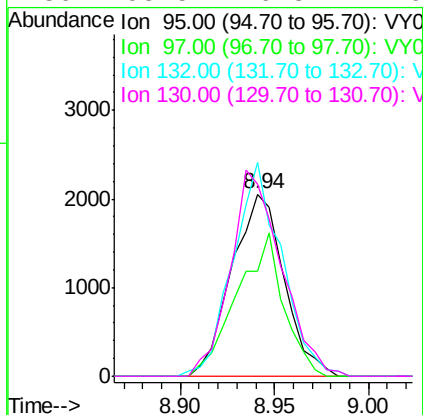
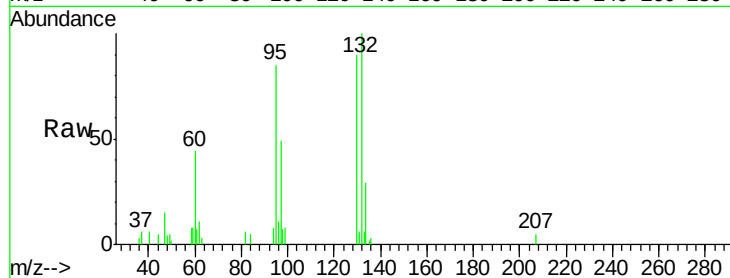
#34
 Trichloroethene
 Concen: 1.204 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
95	100		
97	57.9	44.7	83.1
132	117.3	74.7	138.7
130	105.5	76.8	142.6

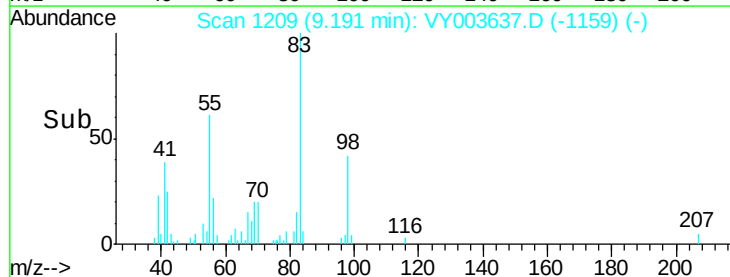
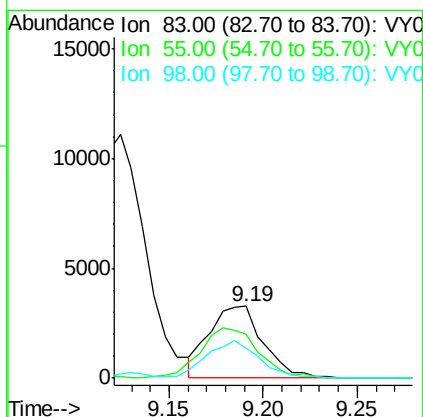
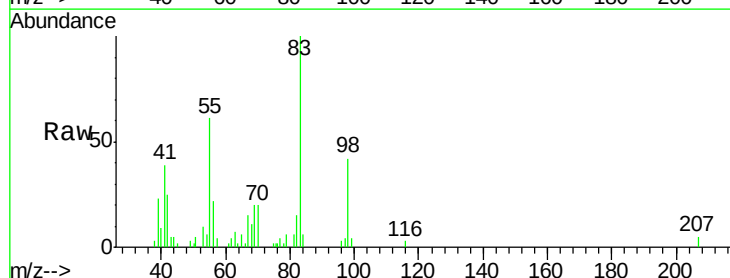
Manual Integrations
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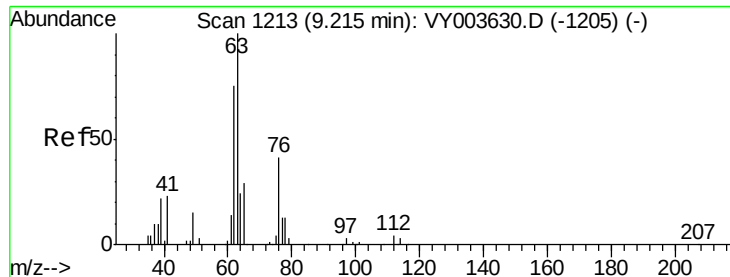
MMDadoda
 12/2/2020 1:29:15 PM



#35
 Methylcyclohexane
 Concen: 1.157 ug/L
 RT: 9.19 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.4	58.3	87.5
98	50.3	39.0	58.6





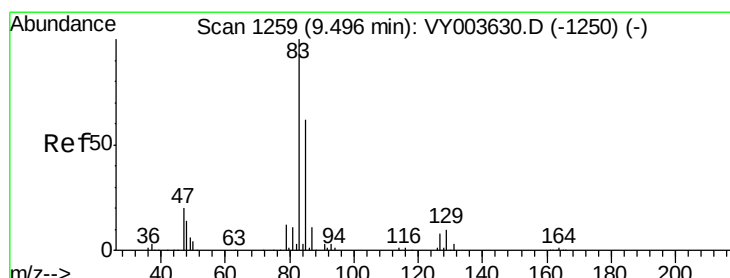
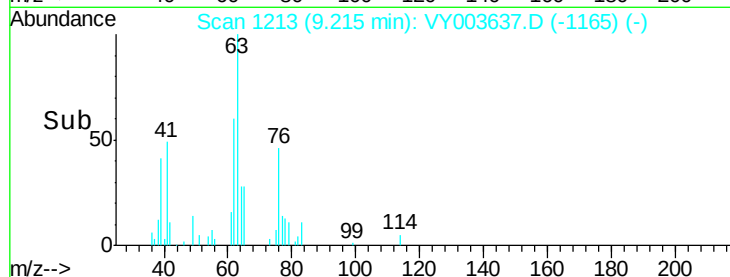
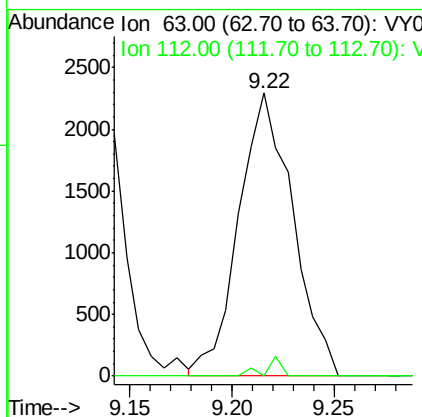
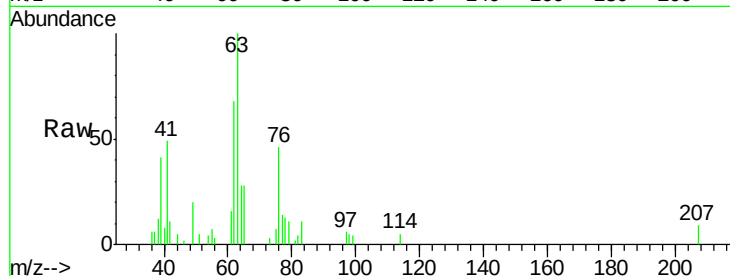
#37
 1,2-Dichloropropane
 Concen: 1.269 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL02

Tot Ion: 63 Resp: 4228
 Ion Ratio Lower Upper
 63 100
 112 1.3 3.7 5.5#

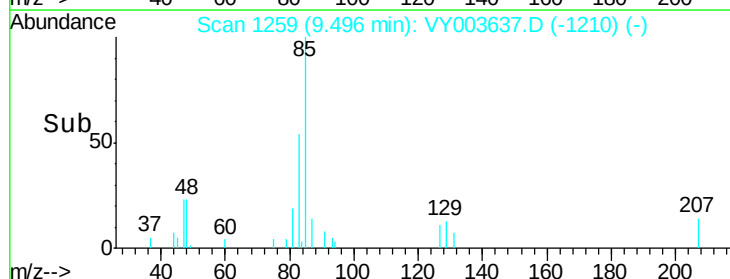
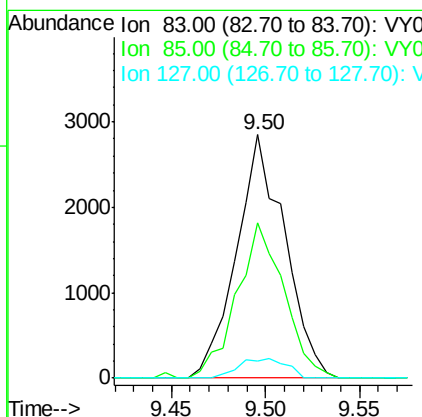
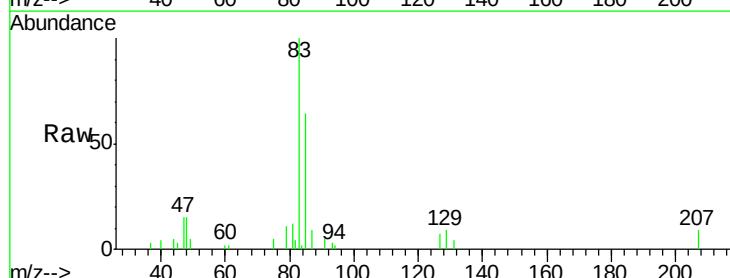
Manual Integrations
 APPROVED

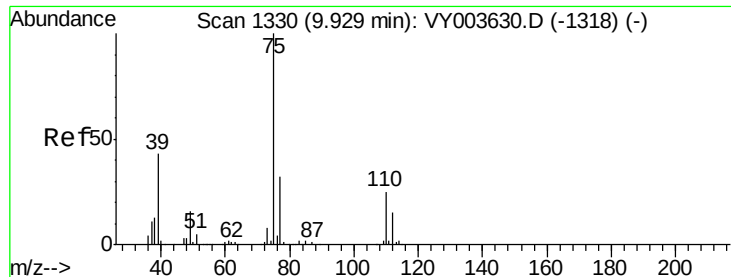
MMDadoda
 12/2/2020 1:29:15 PM



#38
 Bromodichloromethane
 Concen: 1.206 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion: 83 Resp: 5057
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.1 80.1
 127 6.8 7.1 10.7#





#39

cis-1,3-Dichloropropene

Concen: 1.180 ug/L

RT: 9.92 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampled :

MDL02

Tot Ion: 75 Resp: 6075

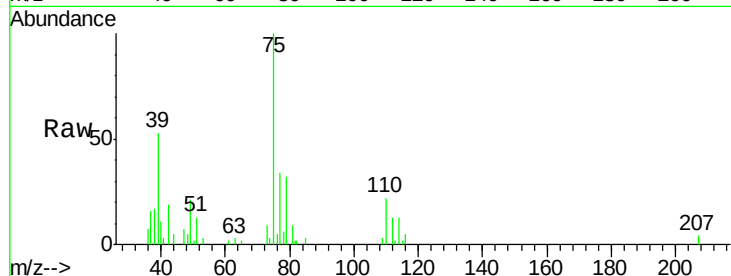
Ion Ratio Lower Upper

75 100

77 33.6 23.5 43.7

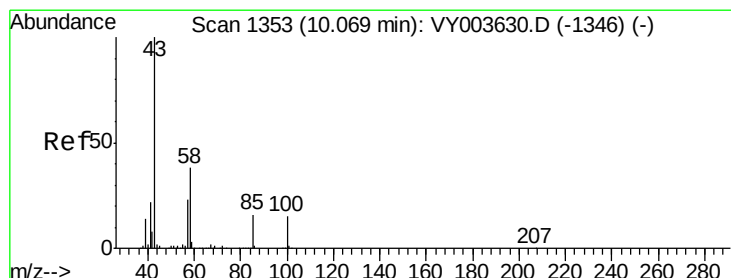
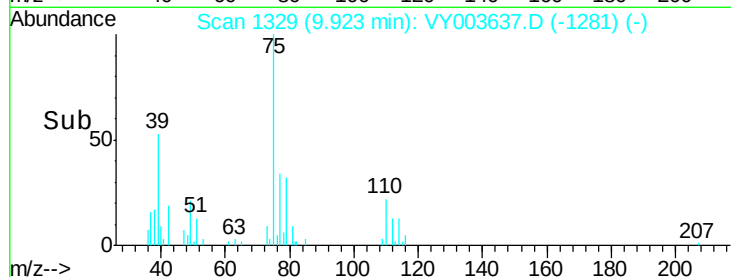
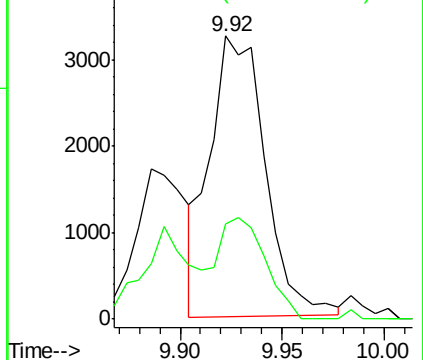
Manual Integrations
APPROVED

MMDadoda
12/2/2020 1:29:15 PM



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 2.815 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

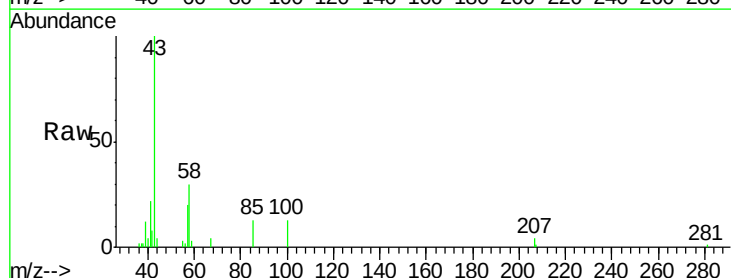
Tgt Ion: 43 Resp: 8235

Ion Ratio Lower Upper

43 100

58 36.5 30.7 46.1

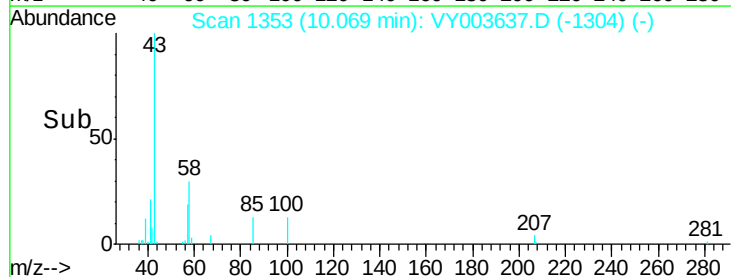
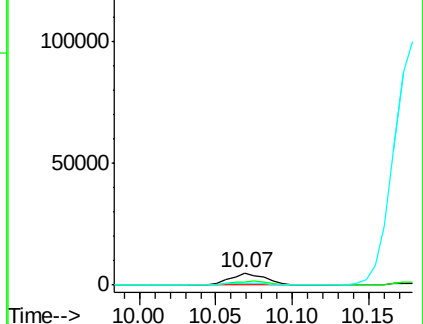
100 15.2 12.1 18.1

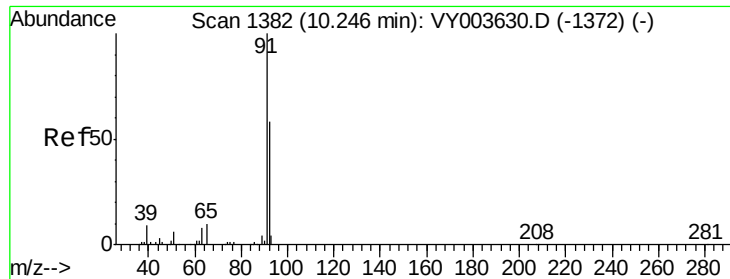


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 1.274 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 17564

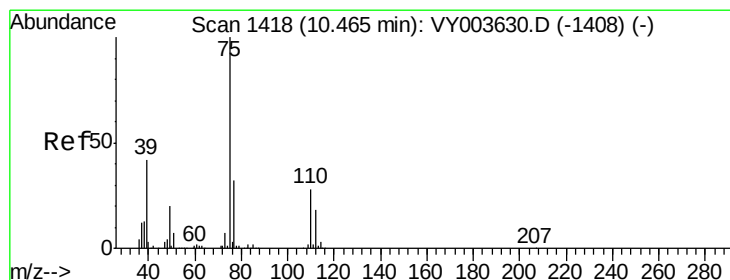
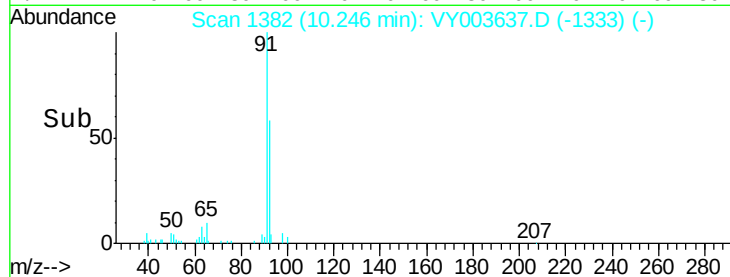
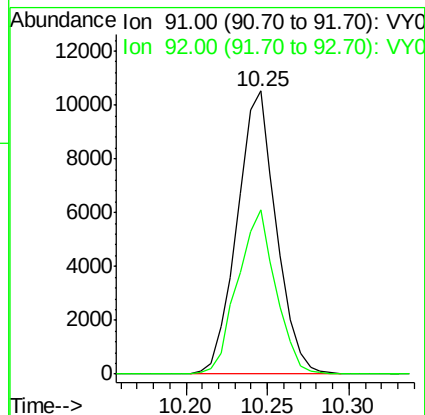
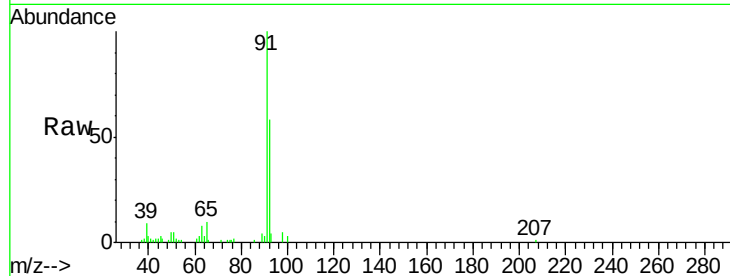
Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5

Manual Integrations
APPROVED

MMDadoda
12/2/2020 1:29:15 PM



#44

trans-1,3-Dichloropropene

Concen: 1.599 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003637.D

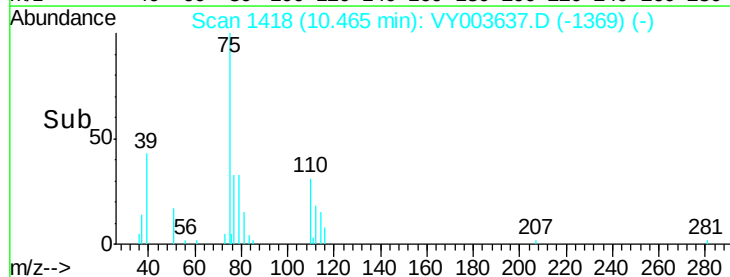
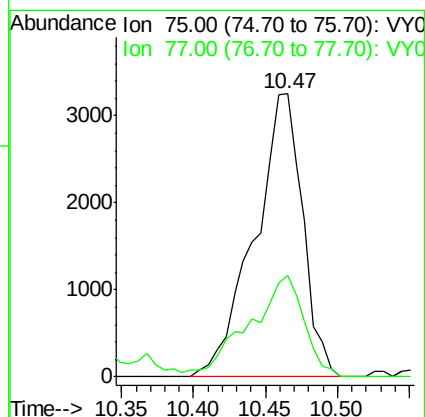
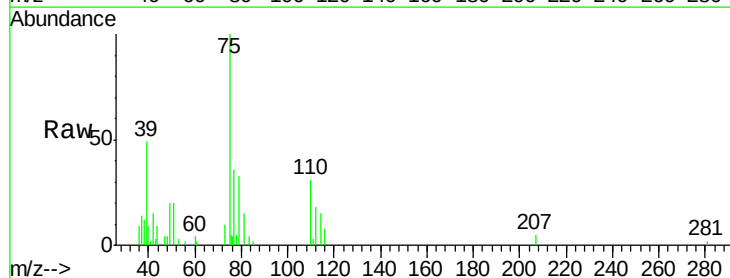
Acq: 01 Dec 2020 16:43

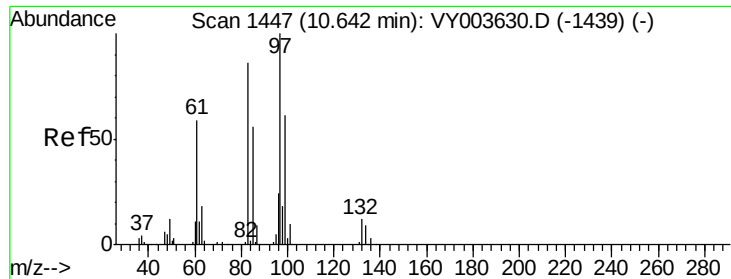
Tgt Ion: 75 Resp: 7598

Ion Ratio Lower Upper

75 100

77 35.8 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 1.222 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

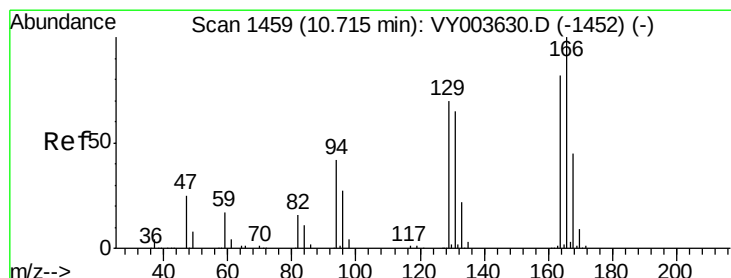
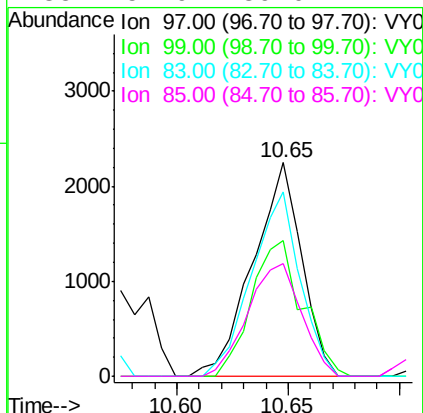
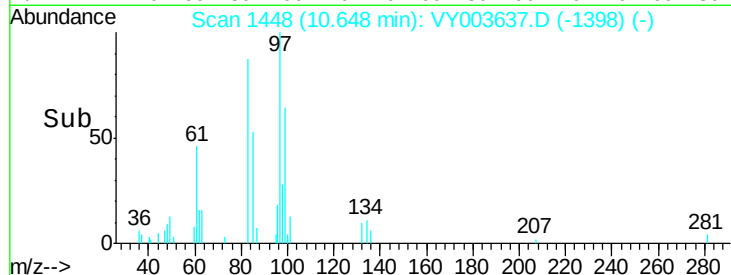
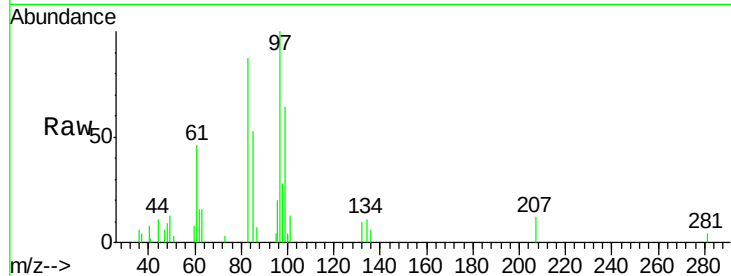
ClientSampleId :

MDL02

Tot Ion:	97	Resp:	3419
Ion	Ratio	Lower	Upper
97	100		
99	66.8	45.1	83.9
83	86.6	59.7	110.9
85	52.9	39.0	72.4

Manual Integrations
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MMDadoda
12/2/2020 1:29:15 PM



#46

Tetrachloroethene

Concen: 1.317 ug/L

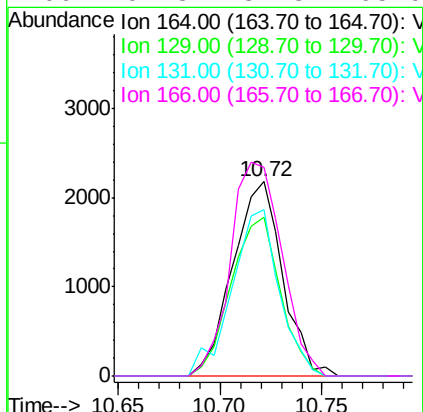
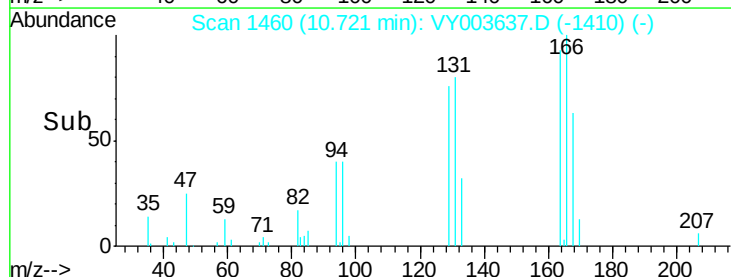
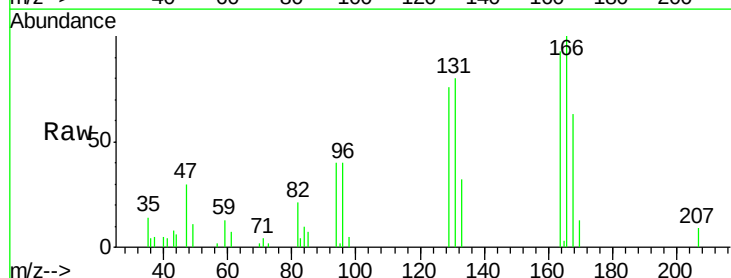
RT: 10.72 min Scan# 1460

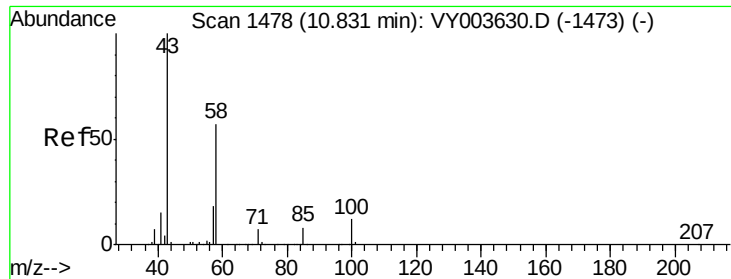
Delta R.T. 0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Tgt Ion:	164	Resp:	3693
Ion	Ratio	Lower	Upper
164	100		
129	81.9	58.9	109.5
131	85.7	59.0	109.6
166	107.3	87.8	163.0





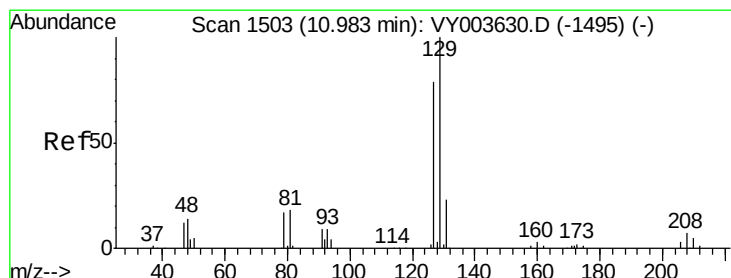
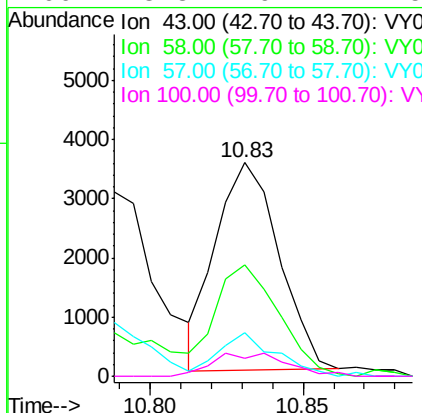
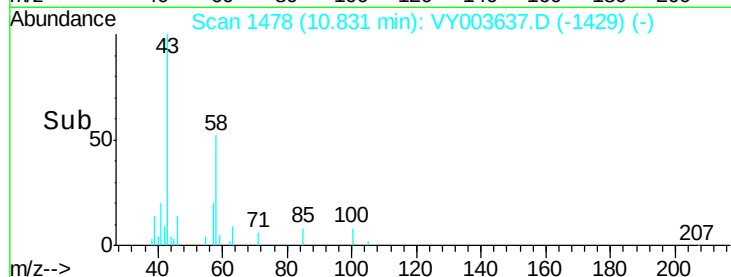
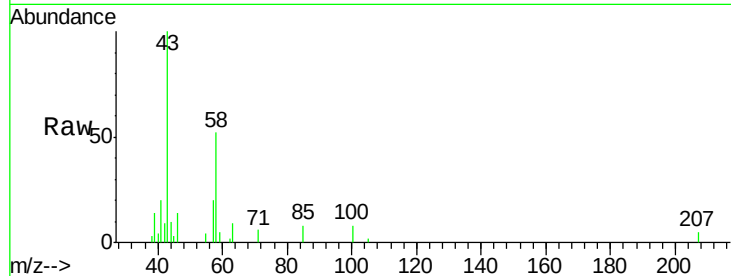
#48
2-Hexanone
Concen: 2.349 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion:	43	Resp:	5017
Ion	Ratio	Lower	Upper
43	100		
58	53.8	43.0	64.6
57	19.0	14.6	21.8
100	13.3	9.7	14.5

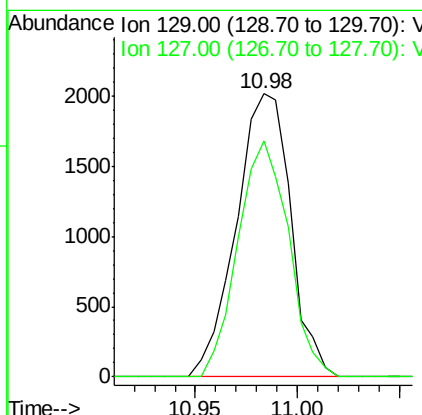
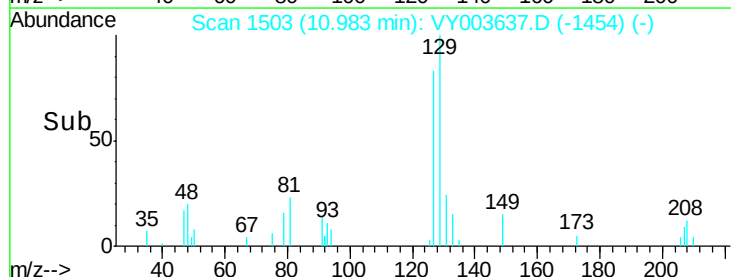
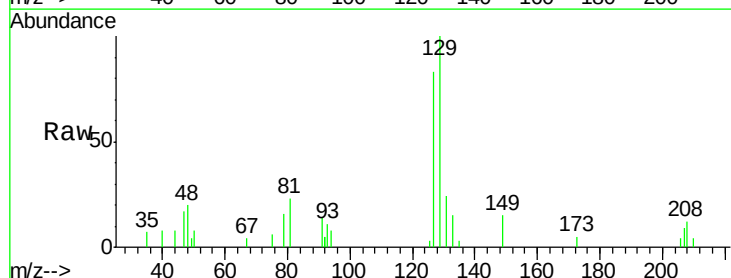
Manual Integrations
APPROVED

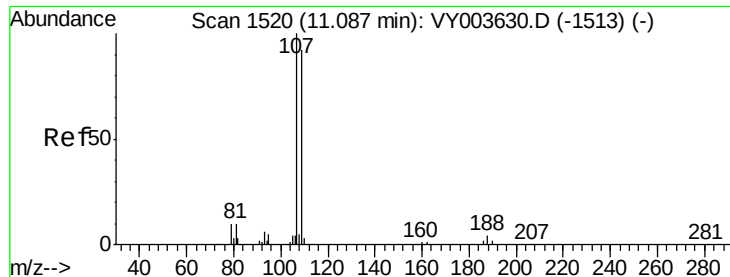
MMDadoda
12/2/2020 1:29:15 PM



#49
Dibromochloromethane
Concen: 1.157 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion:	129	Resp:	3742
Ion	Ratio	Lower	Upper
129	100		
127	83.3	55.0	102.2





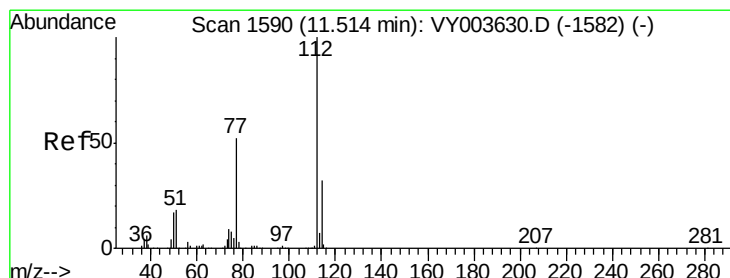
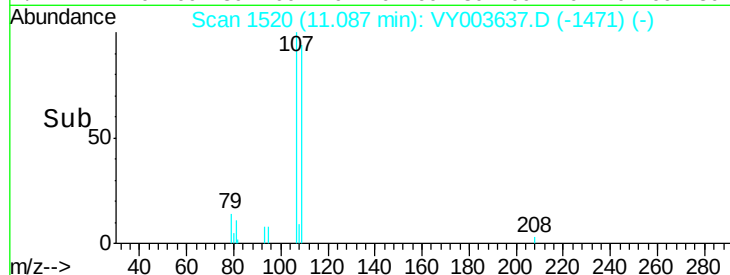
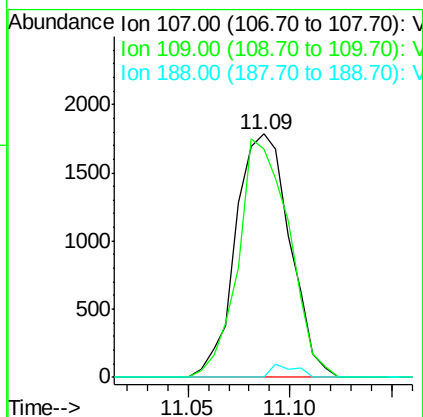
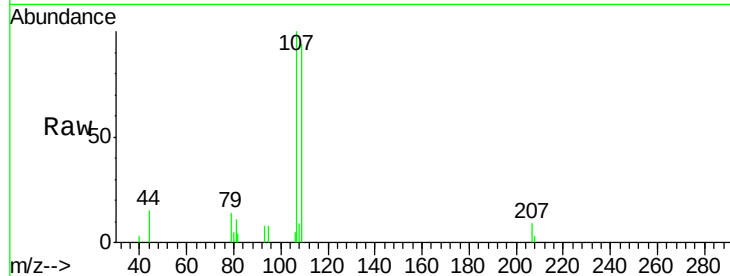
#50
1,2-Dibromoethane
Concen: 1.213 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.5	121.7
188	0.0	3.8	5.8#

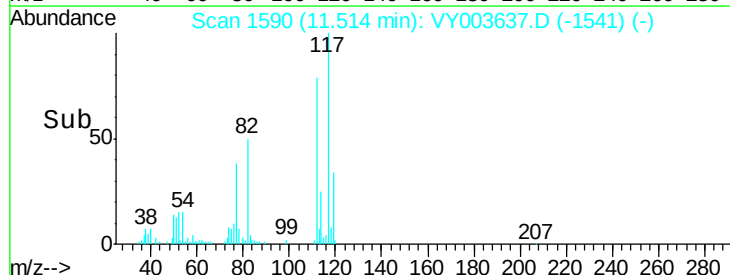
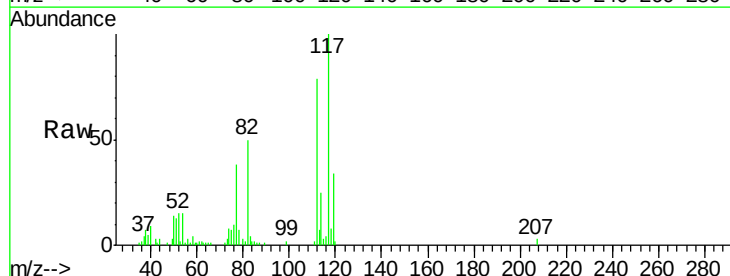
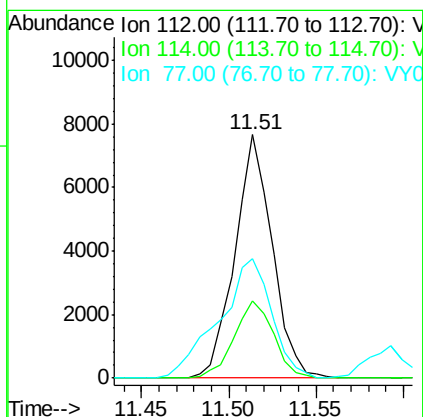
Manual Integrations
APPROVED

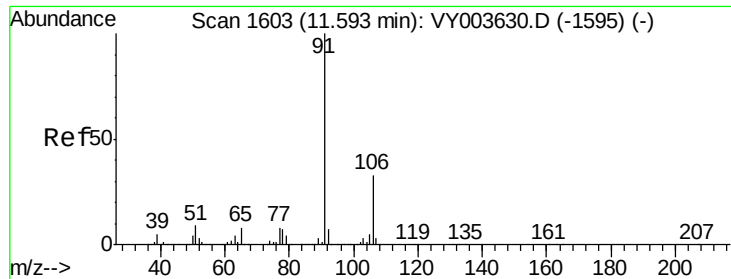
MMDadoda
12/2/2020 1:29:15 PM



#51
Chlorobenzene
Concen: 1.281 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	48.9	43.8	65.6





#52

Ethylbenzene

Concen: 1.187 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 17519

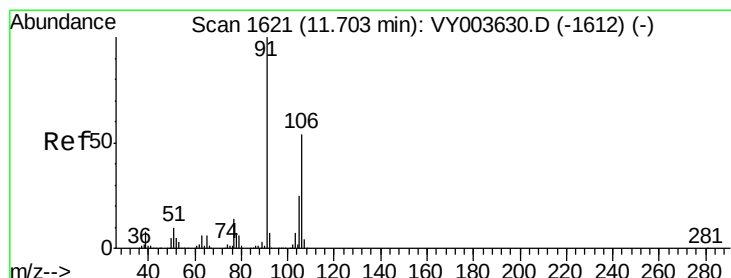
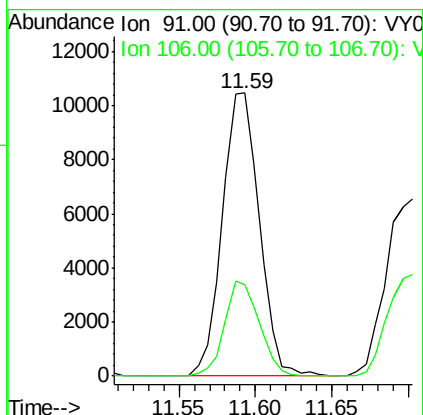
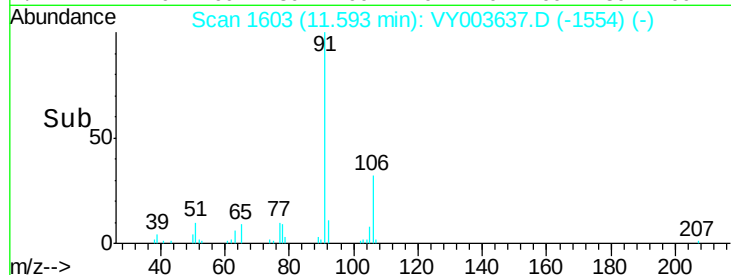
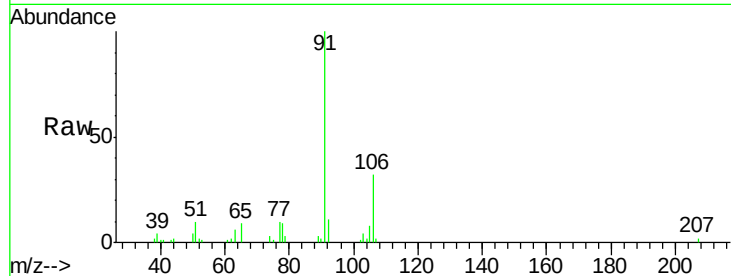
Ion Ratio Lower Upper

91 100

106 32.3 22.8 42.4

Manual Integrations
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MMDadoda
12/2/2020 1:29:15 PM



#53

m,p-Xylene

Concen: 1.248 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003637.D

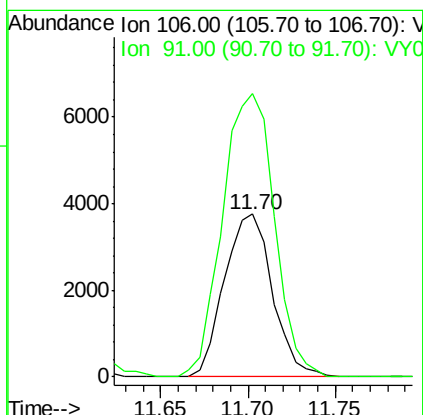
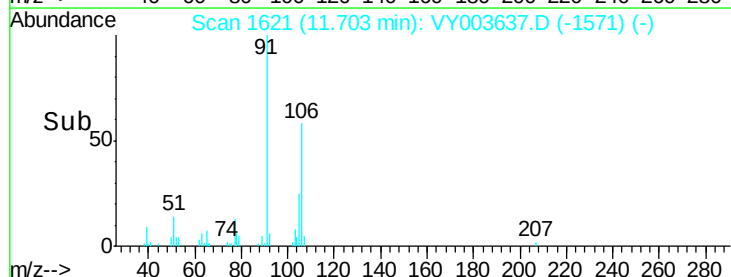
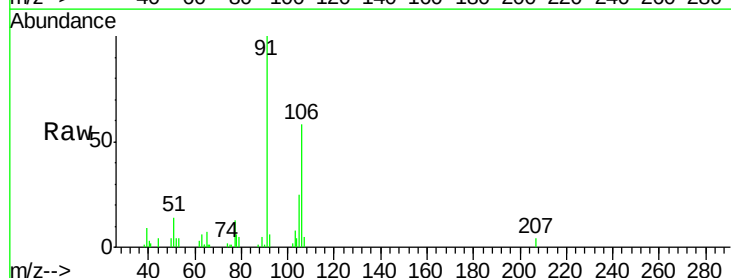
Acq: 01 Dec 2020 16:43

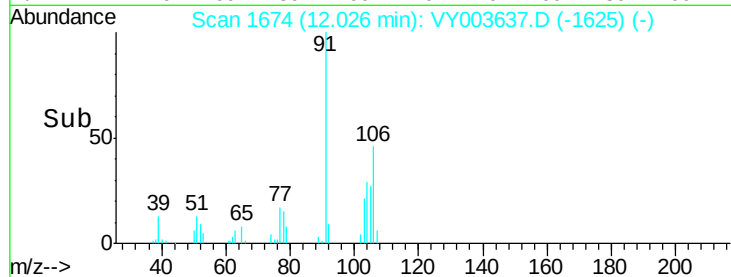
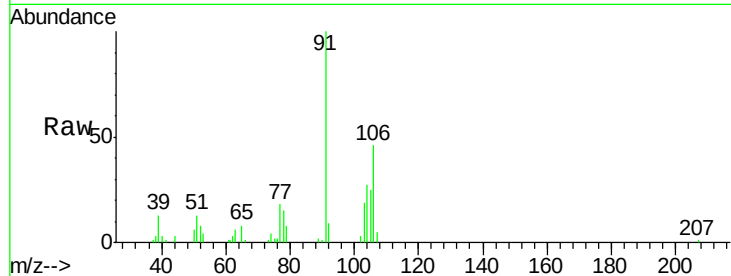
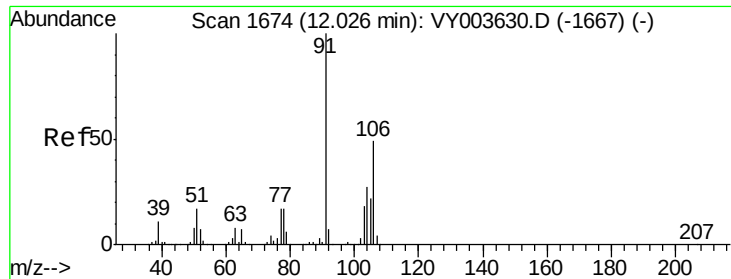
Tgt Ion: 106 Resp: 7201

Ion Ratio Lower Upper

106 100

91 173.8 133.1 247.3





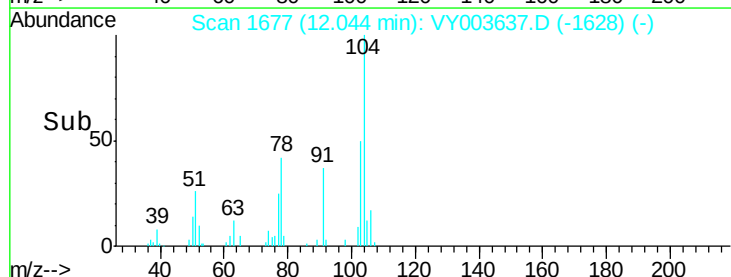
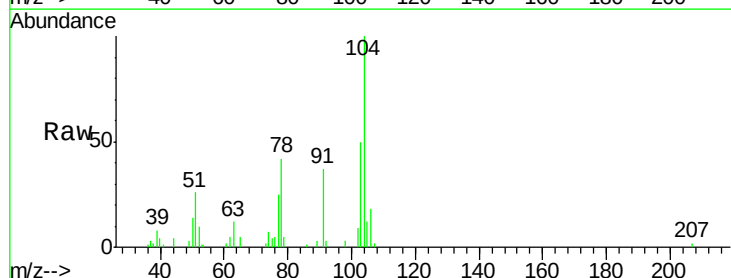
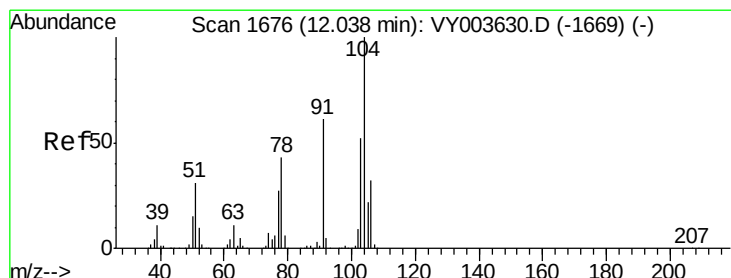
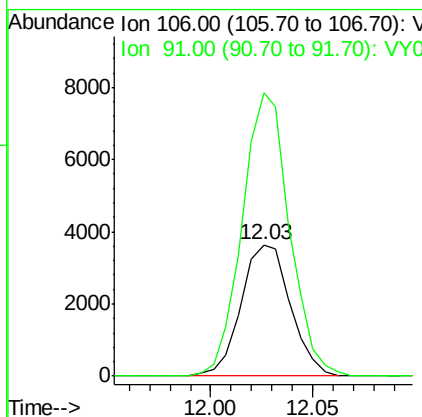
#54
o-Xylene
Concen: 1.121 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tot Ion:106 Resp: 6108
Ion Ratio Lower Upper
106 100
91 215.3 144.1 267.5

Instrument :
MSVOA_Y
ClientSampleId :
MDL02

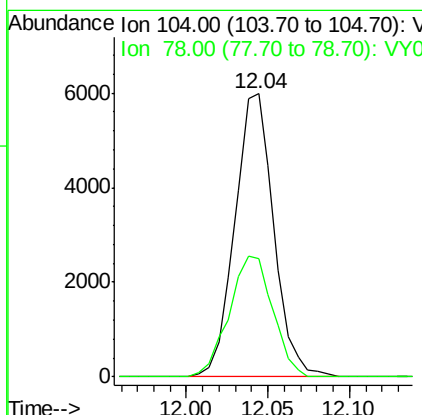
Manual Integrations
APPROVED

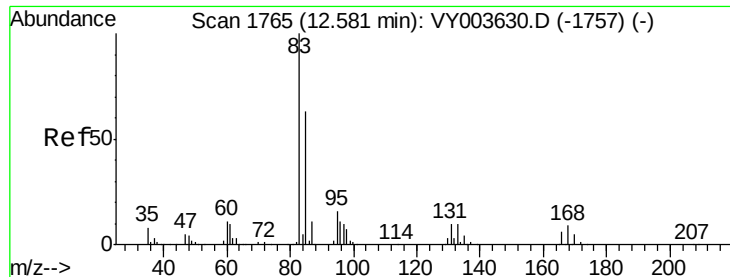
MMDadoda
12/2/2020 1:29:15 PM



#55
Styrene
Concen: 1.068 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion:104 Resp: 9960
Ion Ratio Lower Upper
104 100
78 41.9 27.6 51.4





#57

1,1,2,2-Tetrachloroethane

Concen: 1.335 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

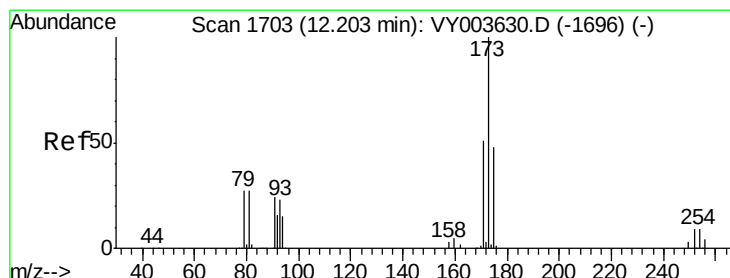
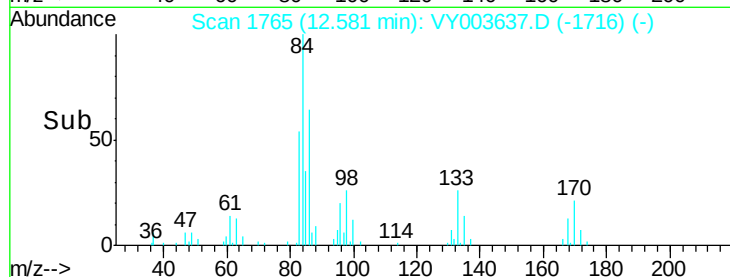
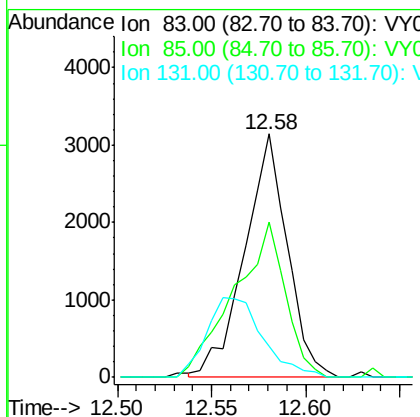
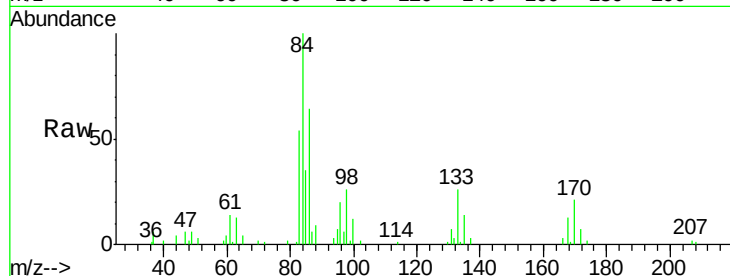
ClientSampleId :

MDL02

Tot Ion:	83	Resp:	4950
Ion	Ratio	Lower	Upper
83	100		
85	64.0	46.1	85.7
131	12.8	8.1	12.1#

Manual Integrations
APPROVED

MMDadoda
12/2/2020 1:29:15 PM



#59

Bromoform

Concen: 1.200 ug/L

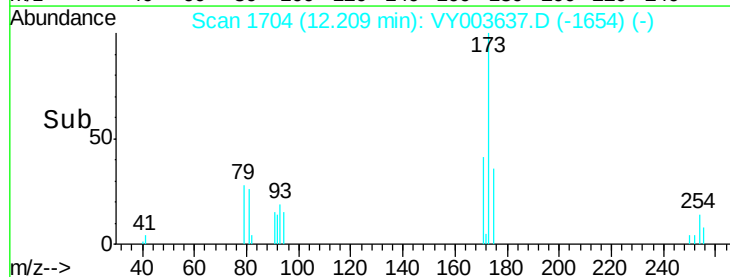
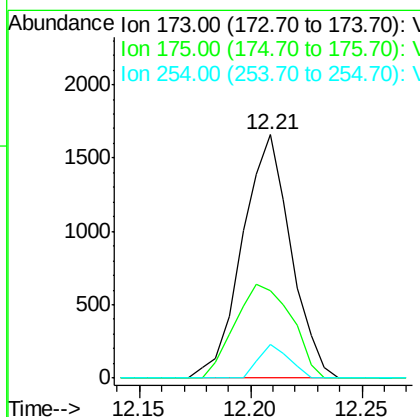
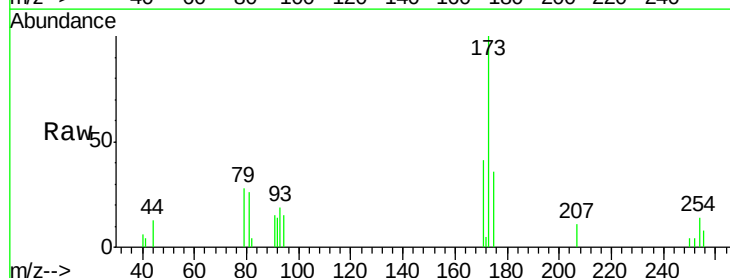
RT: 12.21 min Scan# 1704

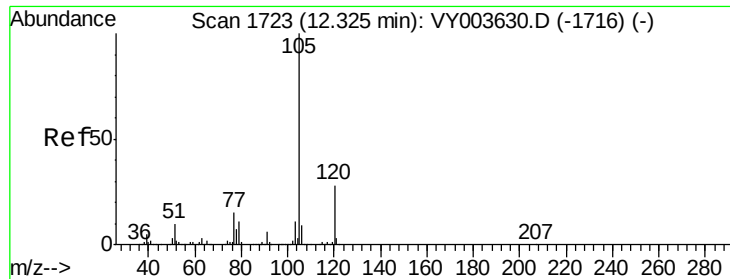
Delta R.T. 0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Tgt Ion:	173	Resp:	2517
Ion	Ratio	Lower	Upper
173	100		
175	44.8	38.2	57.4
254	8.7	8.0	12.0





#60

Isopropylbenzene

Concen: 1.089 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.01 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Instrument :

MSVOA_Y

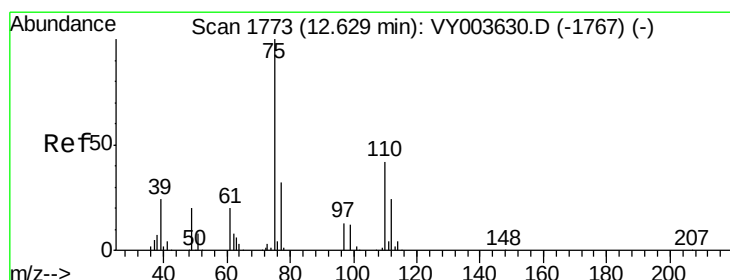
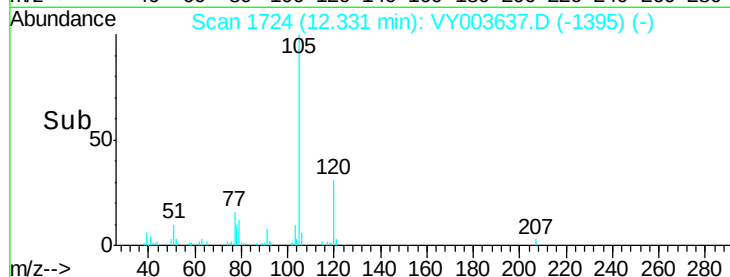
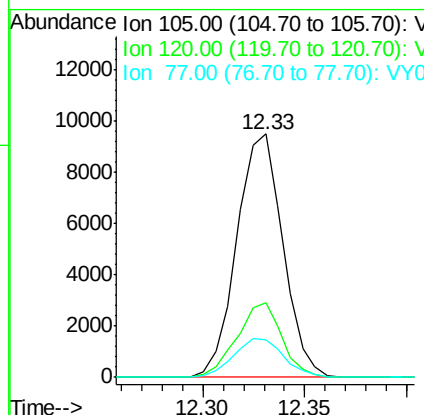
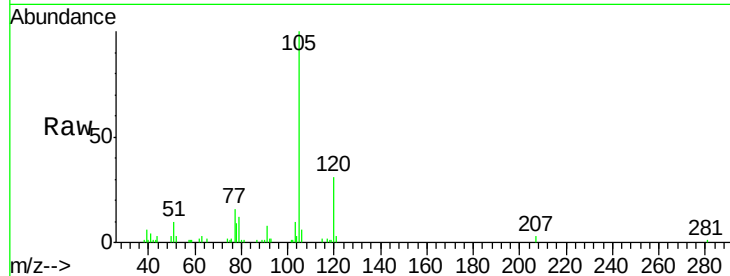
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	14875
Ion Ratio	Lower	Upper	
105	100		
120	29.8	22.0	33.0
77	17.3	12.1	18.1

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#61

1,2,3-Trichloropropane

Concen: 1.309 ug/L

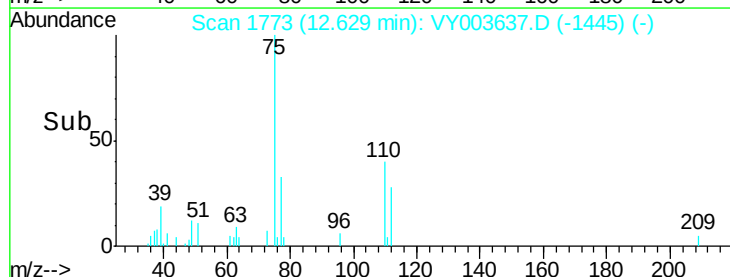
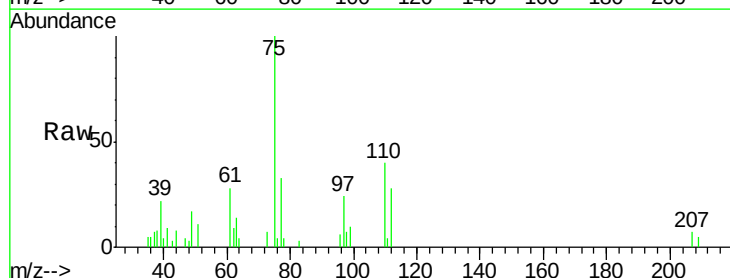
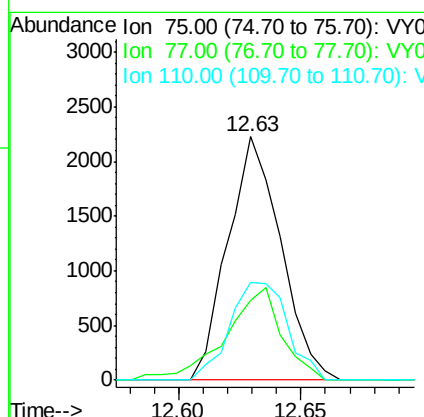
RT: 12.63 min Scan# 1773

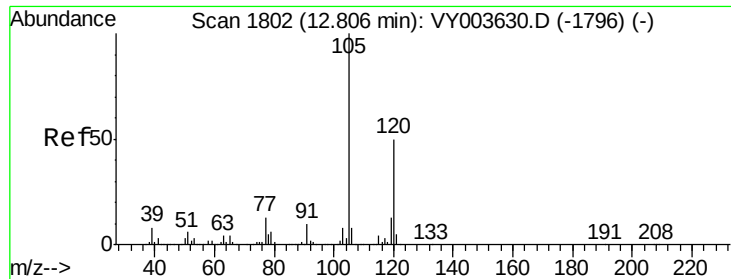
Delta R.T. -0.00 min

Lab File: VY003637.D

Acq: 01 Dec 2020 16:43

Tgt Ion:	75	Resp:	3345
Ion Ratio	Lower	Upper	
75	100		
77	39.1	26.3	39.5
110	44.0	33.0	49.4





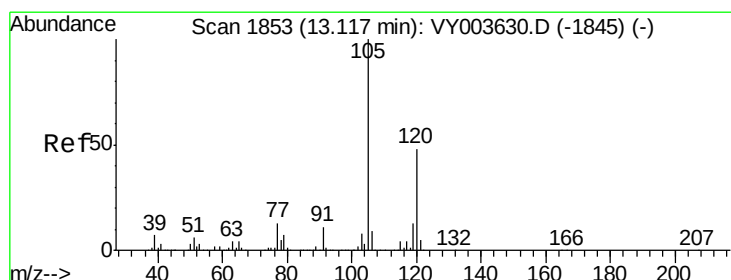
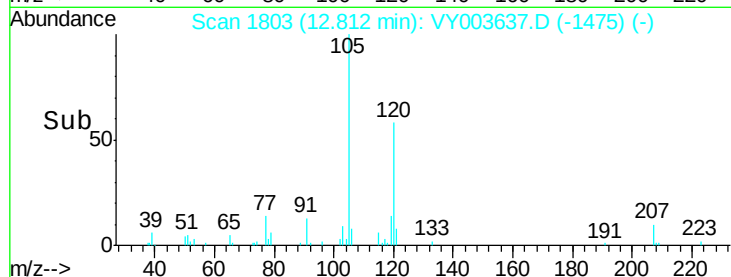
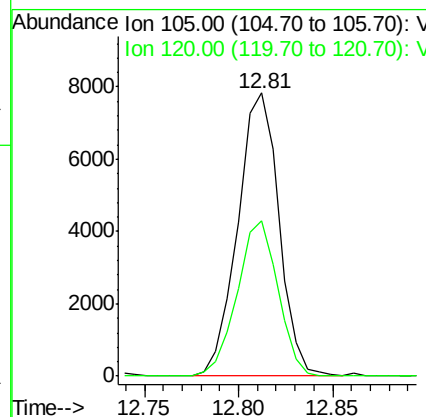
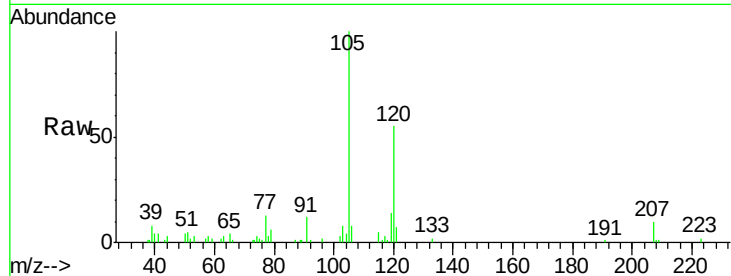
#62
 1,3,5-Trimethylbenzene
 Concen: 1.098 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion:105 Resp: 11896
 Ion Ratio Lower Upper
 105 100
 120 54.2 40.4 60.6

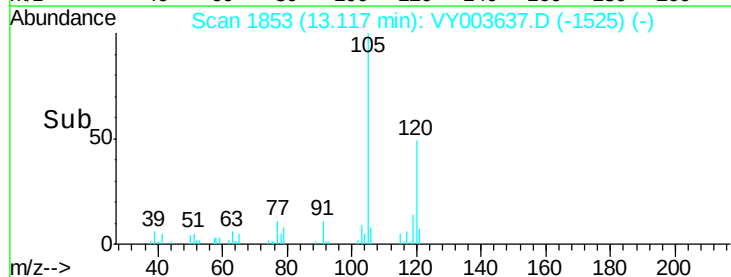
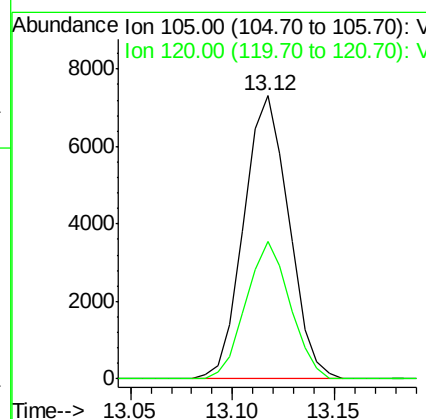
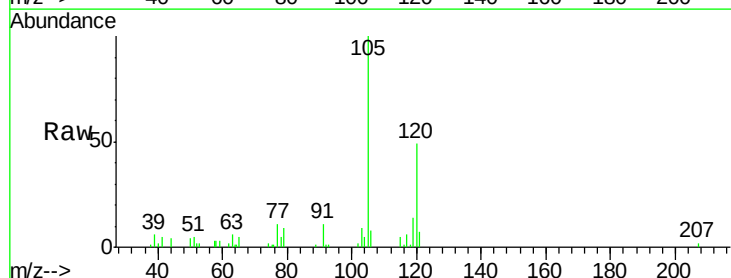
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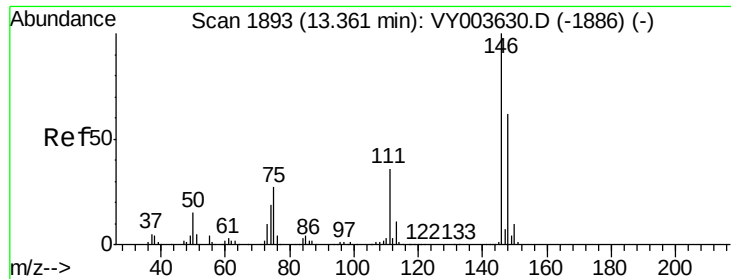
MMDadoda
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.050 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion:105 Resp: 11233
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.0 57.0





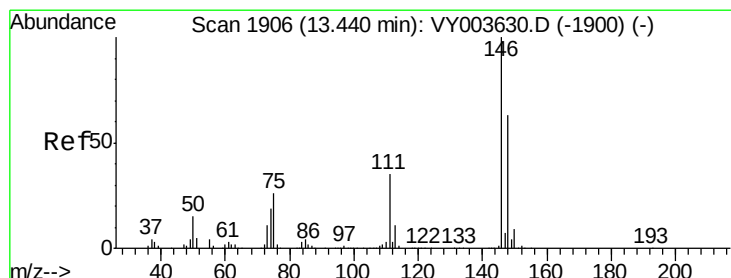
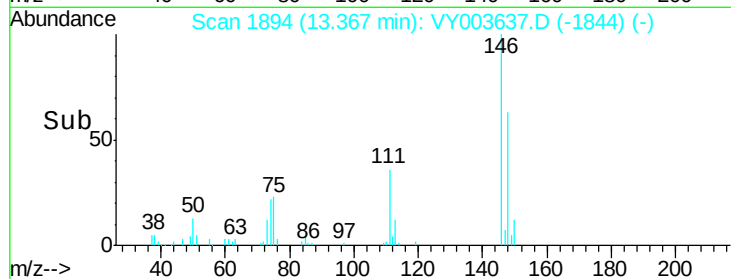
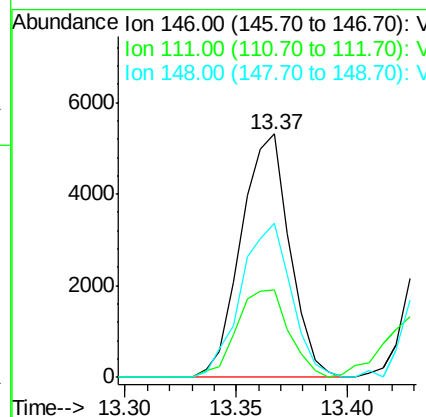
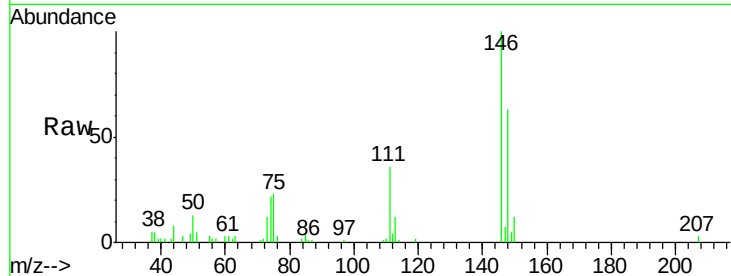
#64
 1,3-Dichlorobenzene
 Concen: 1.226 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	26.6	49.4
148	63.1	46.3	86.1

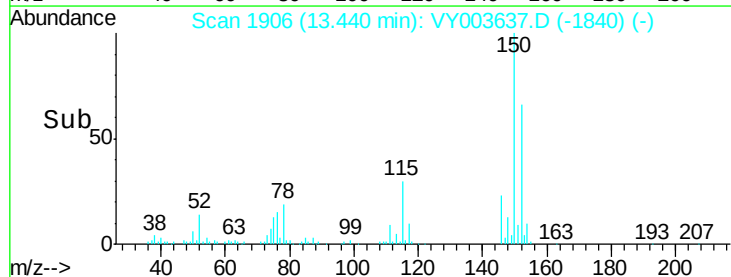
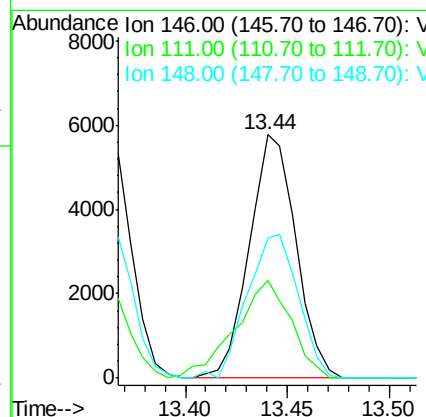
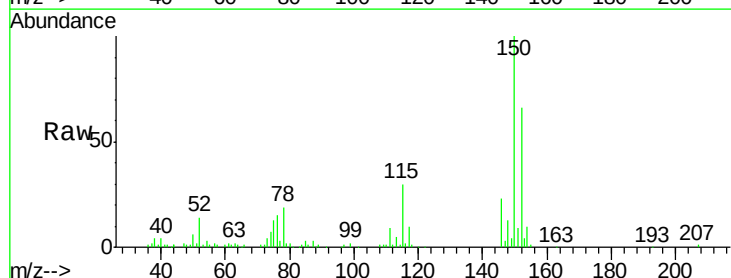
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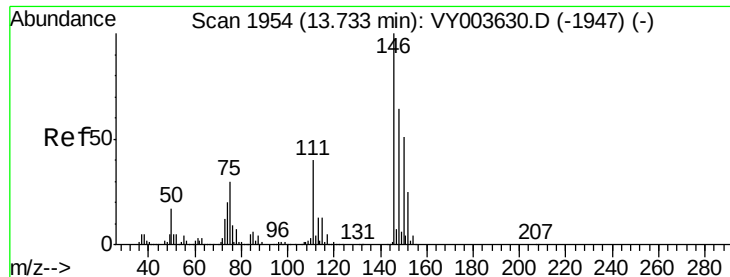
MMDadoda
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#65
 1,4-Dichlorobenzene
 Concen: 1.367 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	24.7	45.9
148	57.6	43.4	80.6





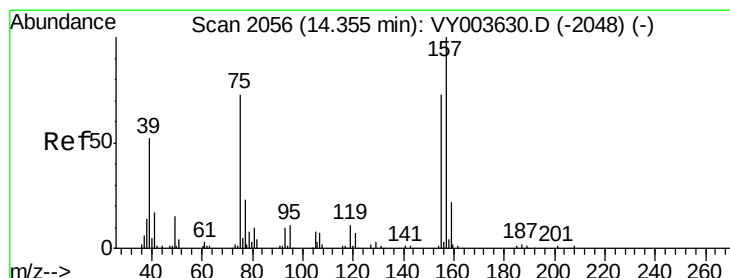
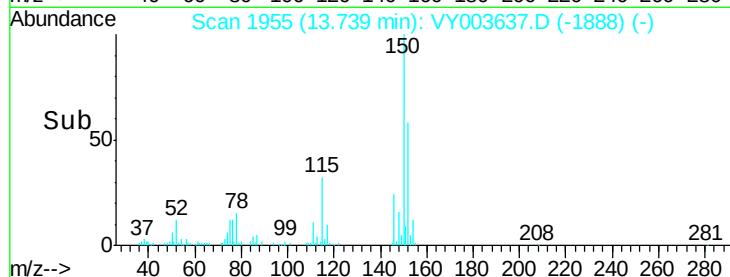
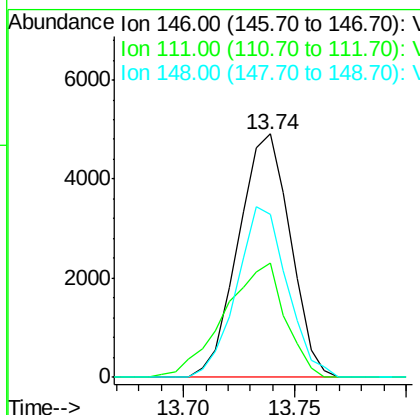
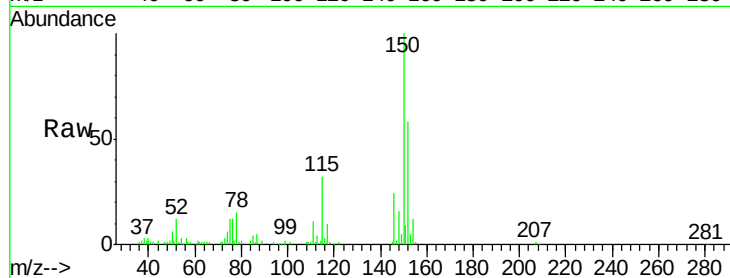
#67
 1,2-Dichlorobenzene
 Concen: 1.287 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	31.0	46.6#
148	67.2	51.0	76.4

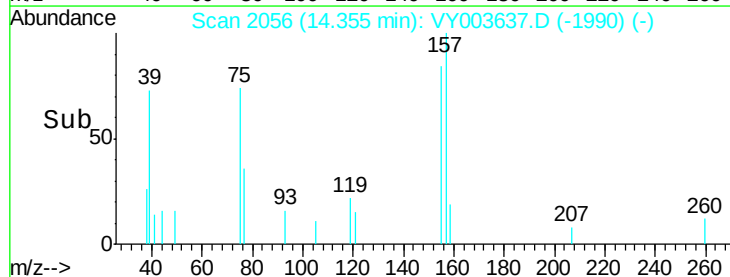
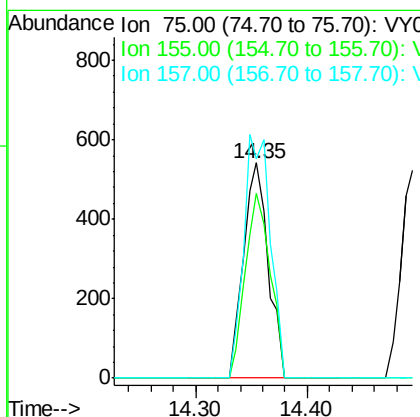
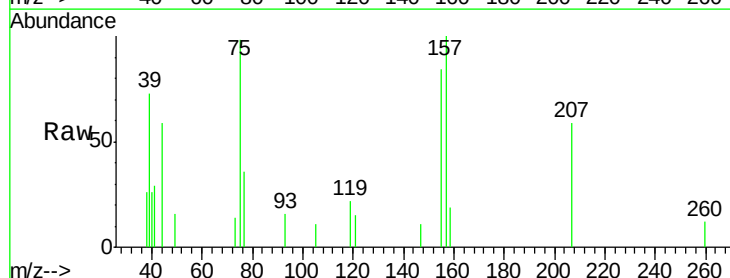
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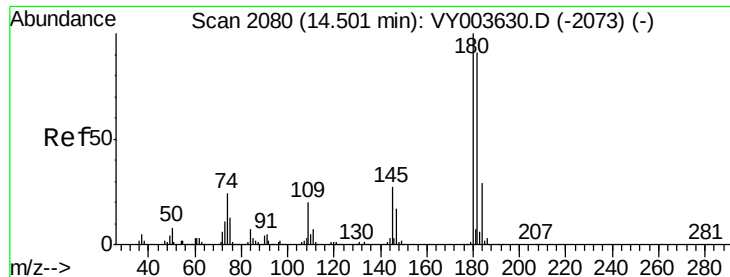
MMDadoda
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.388 ug/L m
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	73.4	110.0
157	102.0	98.1	147.1





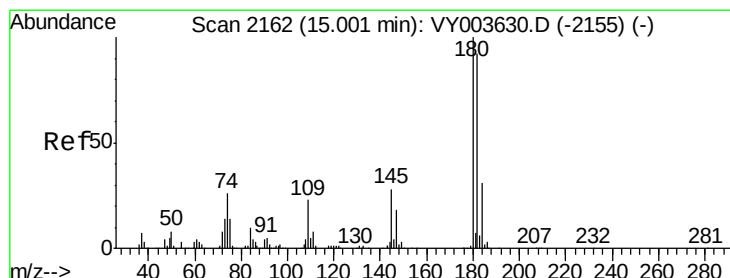
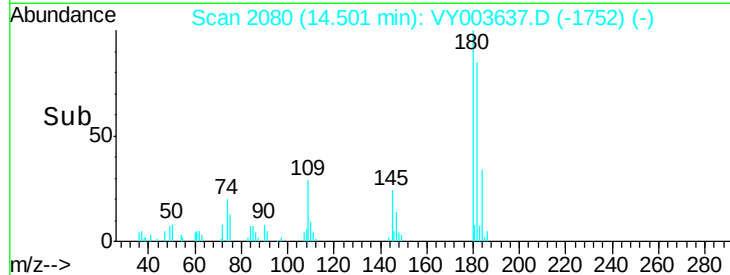
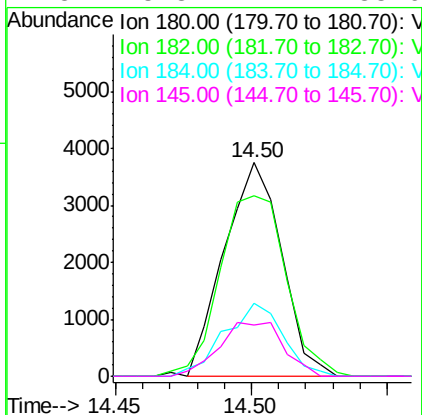
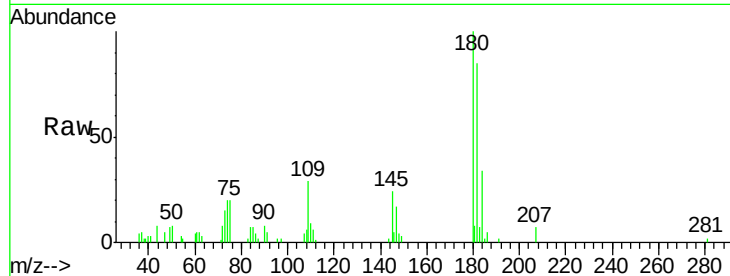
#69
 1,3,5-Trichlorobenzene
 Concen: 1.185 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5503		
182	97.7		75.4	113.0
184	35.1		24.1	36.1
145	28.3		22.4	33.6

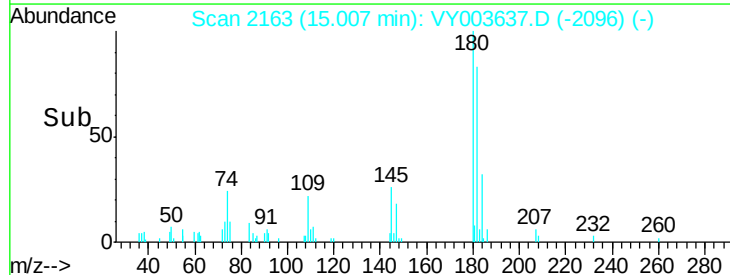
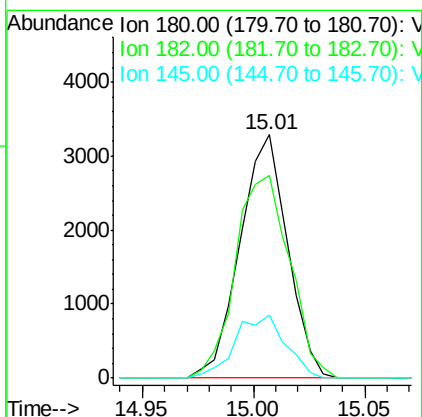
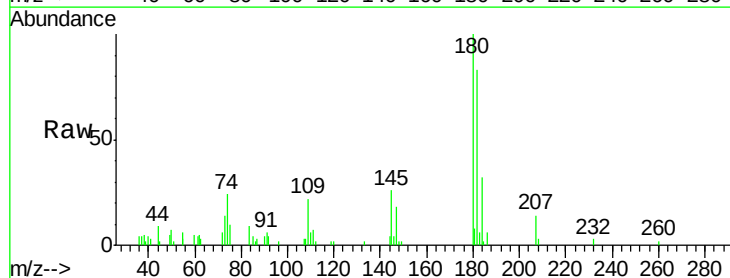
Manual Integrations
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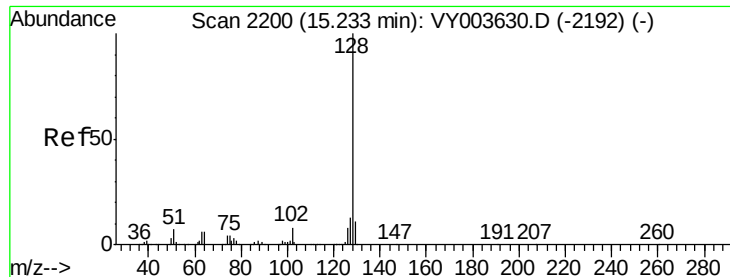
MMDadoda
 12/2/2020 1:29:15 PM



#70
 1,2,4-trichlorobenzene
 Concen: 1.238 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003637.D
 Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4894		
182	94.6		76.1	114.1
145	27.6		22.8	34.2





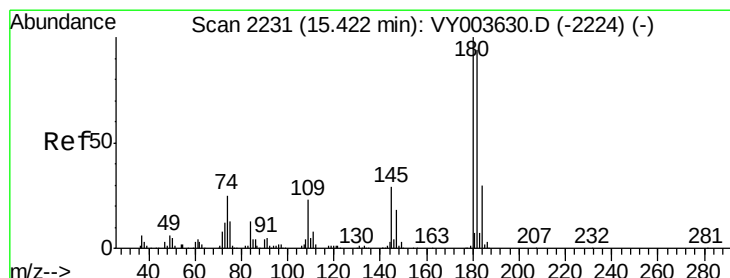
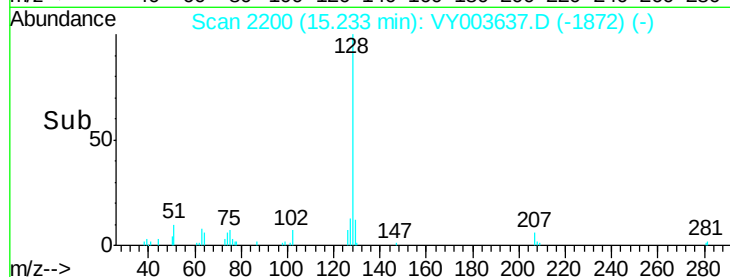
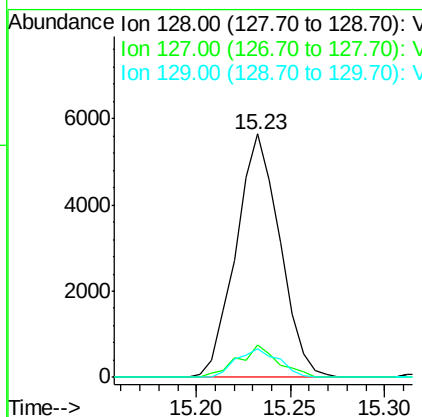
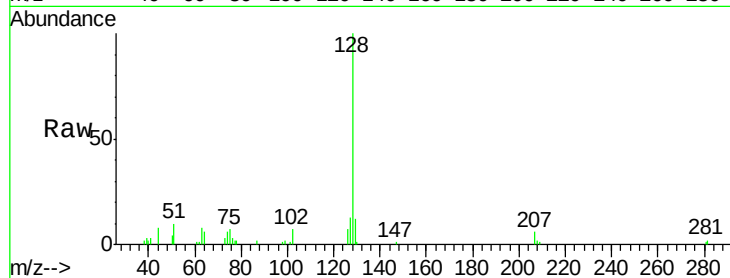
#71
Naphthalene
Concen: 1.060 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Instrument :
MSVOA_Y
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	11.4	8.5	12.7

Manual Integrations
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12/2/2020 1:29:15 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.182 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003637.D
Acq: 01 Dec 2020 16:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.2	114.4
145	29.5	23.6	35.4

