

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003636.D
 Acq On : 01 Dec 2020 16:21
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 1:29:08 PM

Quant Time: Dec 02 02:31:53 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	242039	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	220944	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	109214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	63700	20.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.56%
7) Chloroethane-d5	2.77	69	51986	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	3.86	63	100843	16.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.08%
21) 2-Butanone-d5	6.90	46	63529	46.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.58%
24) Chloroform-d	7.48	84	128062	20.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	8.15	65	73196	22.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.08%
32) Benzene-d6	8.11	84	271975	21.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.64%
36) 1,2-Dichloropropane-d6	9.12	67	84110	22.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.00%
41) Toluene-d8	10.18	98	243511	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	10.43	79	38181	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.32%
47) 2-Hexanone-d5	10.79	63	46690	45.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.38%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	83516	21.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.40%
66) 1,2-Dichlorobenzene-d4	13.72	152	86714	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3834	1.365 ug/L	96
3) Chloromethane	2.12	50	4247	1.394 ug/L	94
5) Vinyl chloride	2.25	62	4611	1.411 ug/L #	61
6) Bromomethane	2.66	94	2882	1.408 ug/L	90
8) Chloroethane	2.80	64	2437	1.194 ug/L	95
9) Trichlorofluoromethane	3.14	101	7102	1.432 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	5535m	1.671 ug/L	
12) 1,1-Dichloroethene	3.89	96	5006	1.591 ug/L #	1
13) Acetone	3.96	43	3438m	3.533 ug/L	
14) Carbon disulfide	4.20	76	12336	1.187 ug/L	99
15) Methyl Acetate	4.48	43	3325m	1.419 ug/L	
16) Methylene chloride	4.73	84	14366	3.516 ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	4423m	1.280 ug/L	
18) Methyl tert-butyl Ether	5.23	73	10026m	1.187 ug/L	
19) 1,1-Dichloroethane	6.03	63	7416	1.275 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	4761	1.314 ug/L #	48
22) 2-Butanone	7.00	43	6251	3.821 ug/L	93

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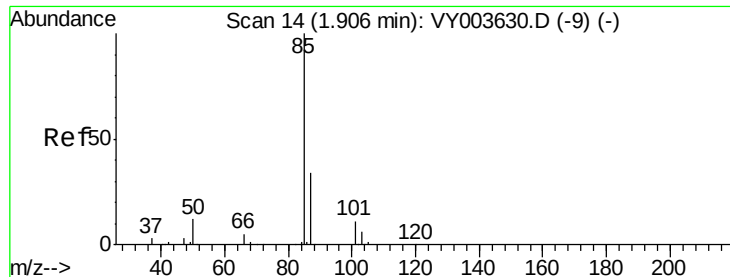
Manual Integrations
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 12/2/2020 1:29:08 PM

Quant Time: Dec 02 02:31:53 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	2115	1.197	ug/L	89
25) Chloroform	7.51	83	8193	1.406	ug/L	87
27) 1,2-Dichloroethane	8.25	62	5119	1.334	ug/L #	83
29) Cyclohexane	7.79	56	6507	1.240	ug/L	97
30) 1,1,1-Trichloroethane	7.70	97	6691	1.328	ug/L #	76
31) Carbon tetrachloride	7.90	117	5833	1.283	ug/L	97
33) Benzene	8.16	78	17509	1.297	ug/L	100
34) Trichloroethene	8.94	95	4447	1.319	ug/L	91
35) Methylcyclohexane	9.18	83	7178	1.246	ug/L	98
37) 1,2-Dichloropropane	9.22	63	4294	1.253	ug/L #	89
38) Bromodichloromethane	9.50	83	5223	1.211	ug/L #	96
39) cis-1,3-Dichloropropene	9.93	75	6416	1.212	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	8562	2.845	ug/L	100
42) Toluene	10.24	91	18092	1.275	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	7633	1.562	ug/L	95
45) 1,1,2-Trichloroethane	10.64	97	3561	1.237	ug/L	95
46) Tetrachloroethene	10.72	164	3844	1.333	ug/L	96
48) 2-Hexanone	10.83	43	5709	2.599	ug/L	97
49) Dibromochloromethane	10.98	129	4488	1.349	ug/L	86
50) 1,2-Dibromoethane	11.09	107	3515	1.263	ug/L #	97
51) Chlorobenzene	11.51	112	12538	1.372	ug/L	100
52) Ethylbenzene	11.59	91	19112	1.259	ug/L	97
53) m,p-Xylene	11.70	106	7610	1.282	ug/L	88
54) o-Xylene	12.03	106	6803	1.213	ug/L	97
55) Styrene	12.04	104	10723	1.118	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.58	83	5205	1.365	ug/L #	89
59) Bromoform	12.21	173	2697	1.258	ug/L	98
60) Isopropylbenzene	12.32	105	16864	1.208	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	3469	1.328	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	12669	1.144	ug/L	96
63) 1,2,4-Trimethylbenzene	13.12	105	12915	1.181	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	9129	1.351	ug/L	92
65) 1,4-Dichlorobenzene	13.45	146	9443	1.376	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	8178	1.289	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	817m	1.348	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	6051	1.275	ug/L	91
70) 1,2,4-trichlorobenzene	15.01	180	5527	1.367	ug/L	97
71) Naphthalene	15.23	128	9766	1.107	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	5116	1.378	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 1.365 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 3834

Ion Ratio Lower Upper

85 100

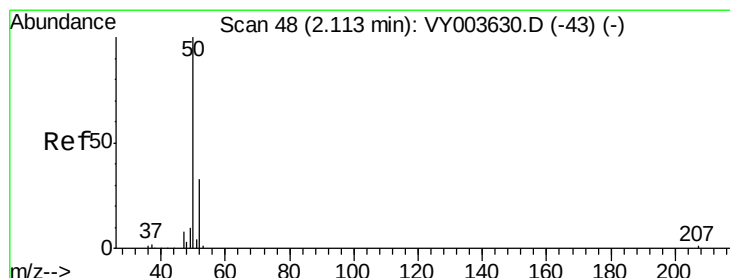
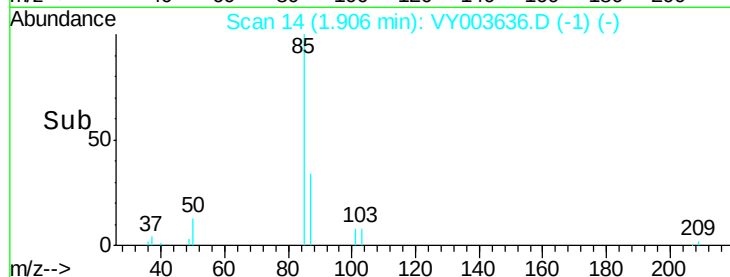
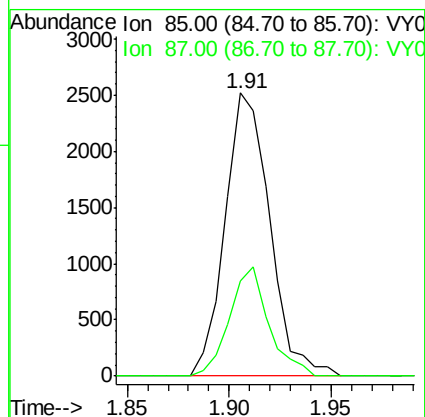
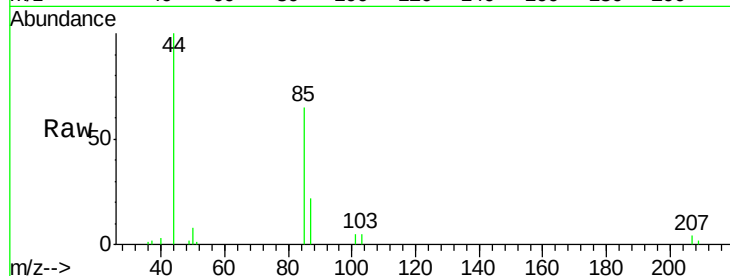
87 33.8 25.4 38.2

Manual Integrations

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#3

Chloromethane

Concen: 1.394 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003636.D

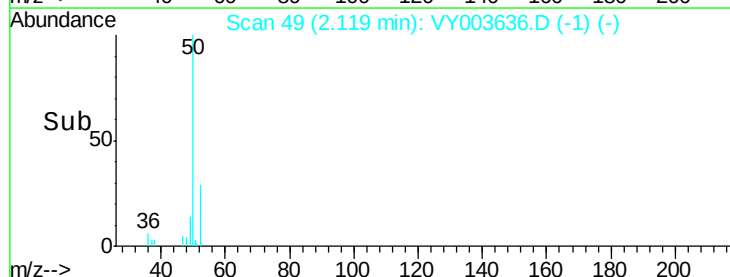
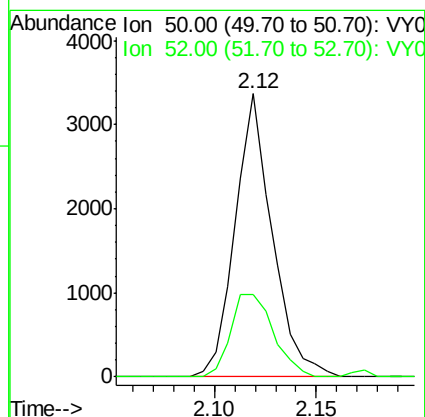
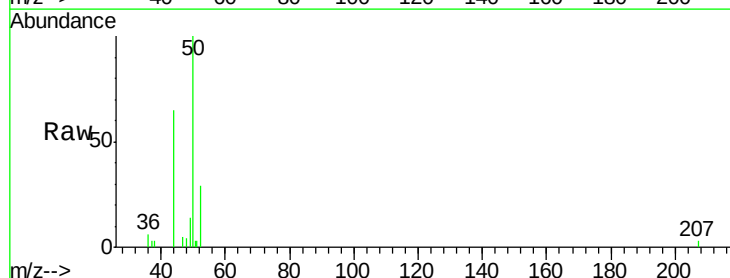
Acq: 01 Dec 2020 16:21

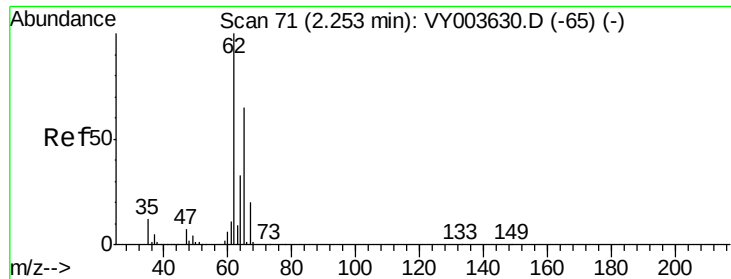
Tgt Ion: 50 Resp: 4247

Ion Ratio Lower Upper

50 100

52 29.0 22.7 42.3





#5

Vinyl chloride

Concen: 1.411 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 62 Resp: 4611

Ion Ratio Lower Upper

62 100

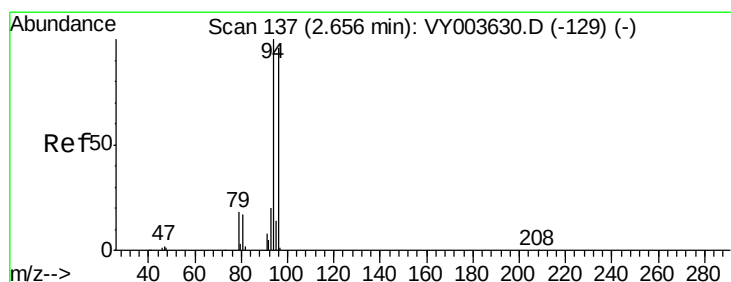
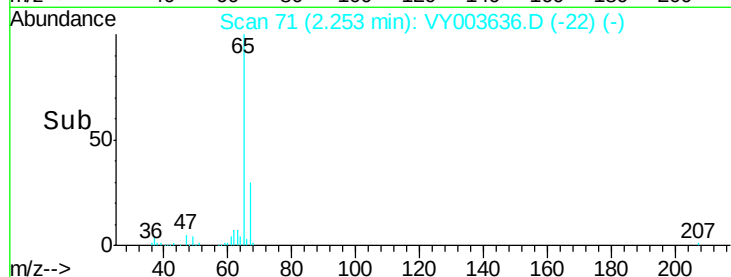
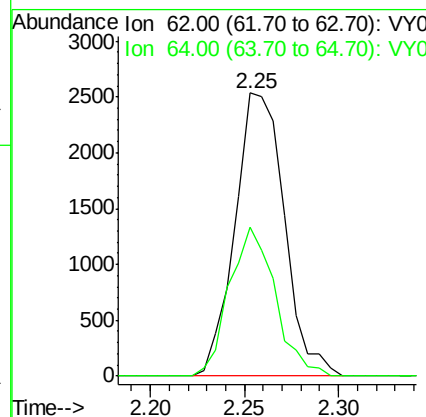
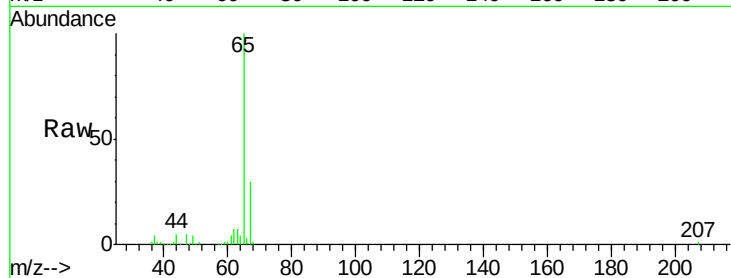
64 52.7 21.9 40.7#

Manual Integrations

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#6

Bromomethane

Concen: 1.408 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003636.D

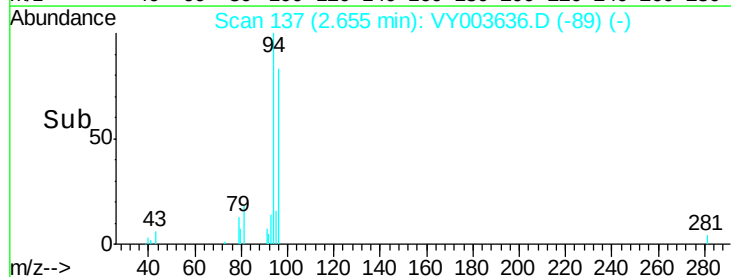
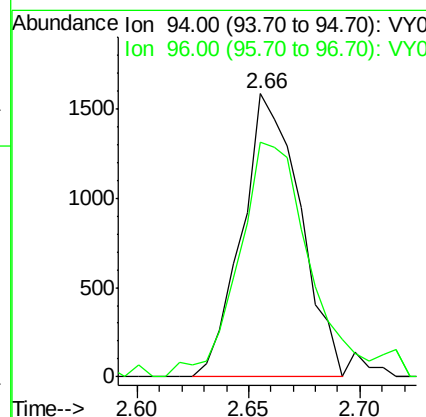
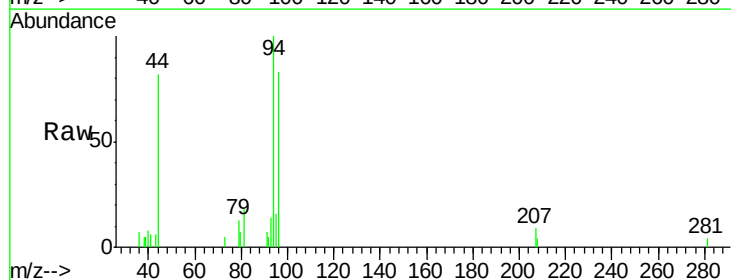
Acq: 01 Dec 2020 16:21

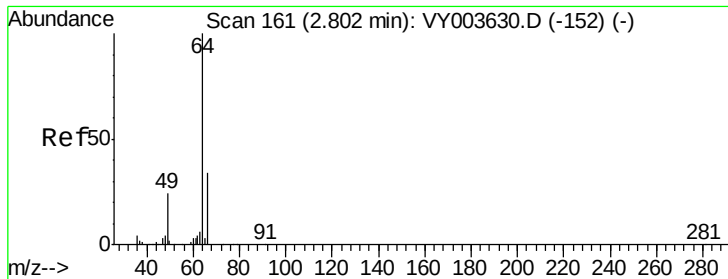
Tgt Ion: 94 Resp: 2882

Ion Ratio Lower Upper

94 100

96 83.0 65.2 121.0





#8

Chloroethane

Concen: 1.194 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 64 Resp: 2437

Ion Ratio Lower Upper

64 100

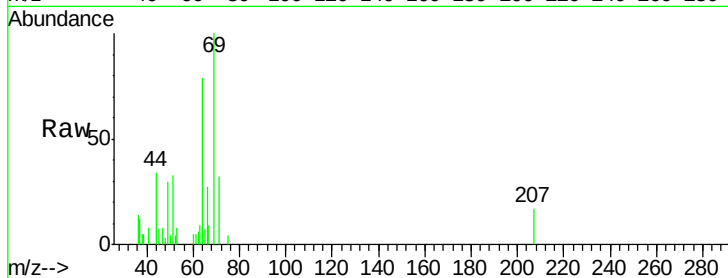
66 34.6 22.2 41.2

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

2.80

1500

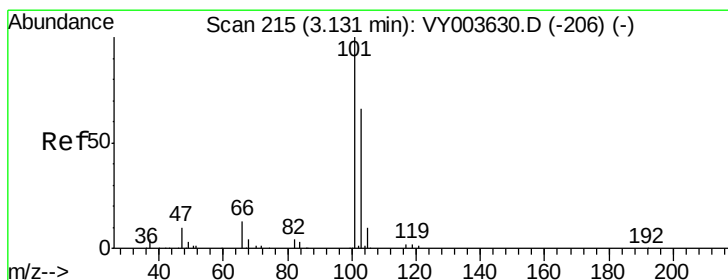
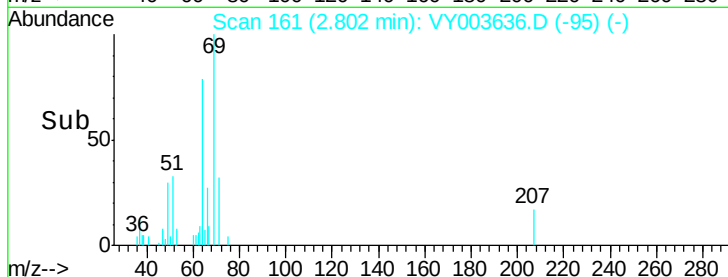
1000

500

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.432 ug/L

RT: 3.14 min Scan# 216

Delta R.T. -0.00 min

Lab File: VY003636.D

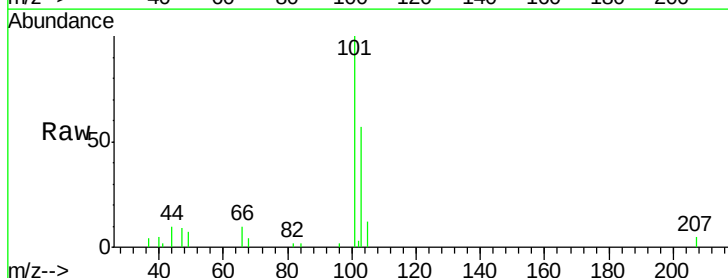
Acq: 01 Dec 2020 16:21

Tgt Ion: 101 Resp: 7102

Ion Ratio Lower Upper

101 100

103 65.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.14

3000

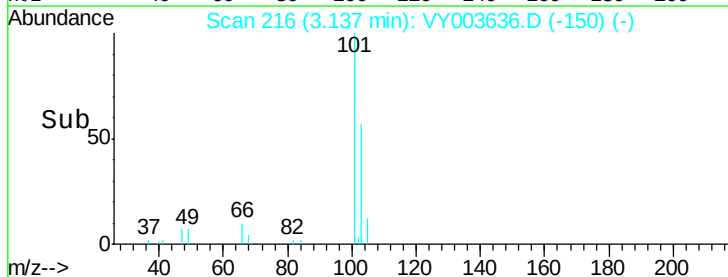
2000

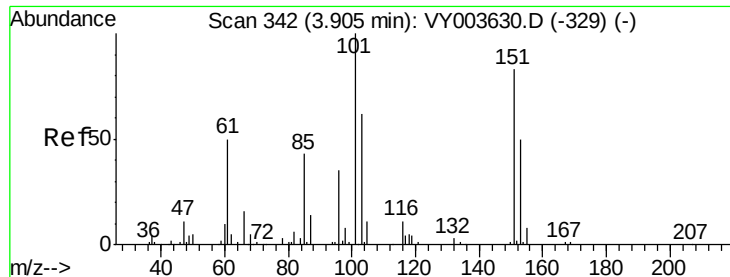
1000

0

3.05 3.10 3.15 3.20

Time-->





#10

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

Concen: 1.671 ug/L m

RT: 3.89 min Scan# 340

Delta R.T. -0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

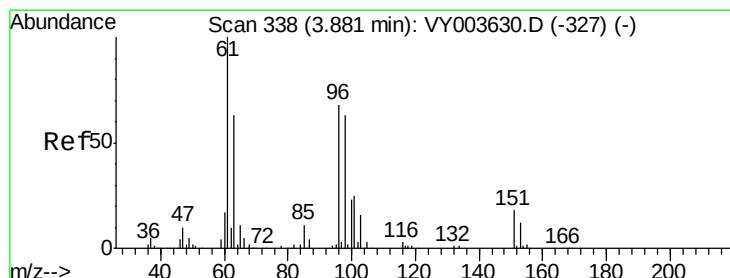
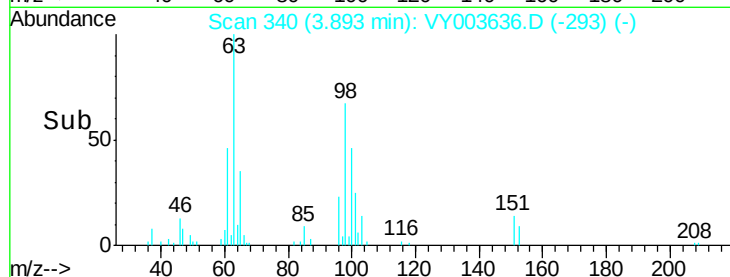
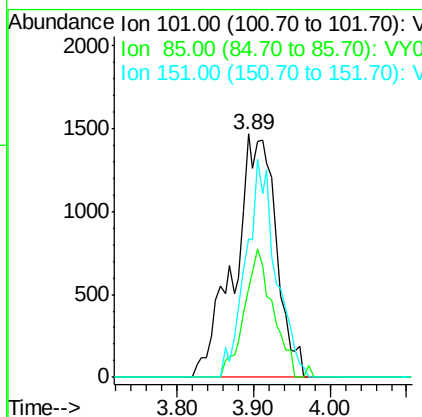
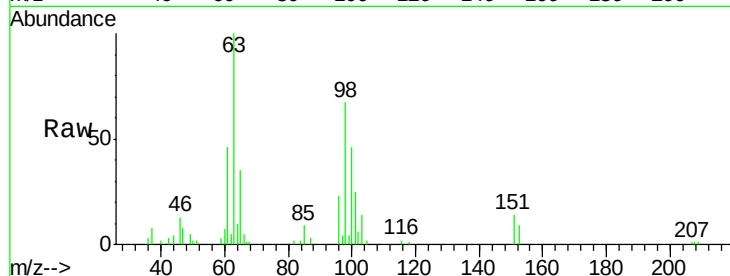
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	5535
Ion Ratio	Lower	Upper	
101	100		
85	36.0	35.6	53.4
151	64.5	64.2	96.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.591 ug/L

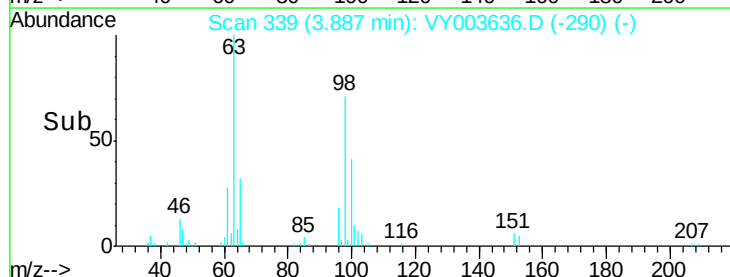
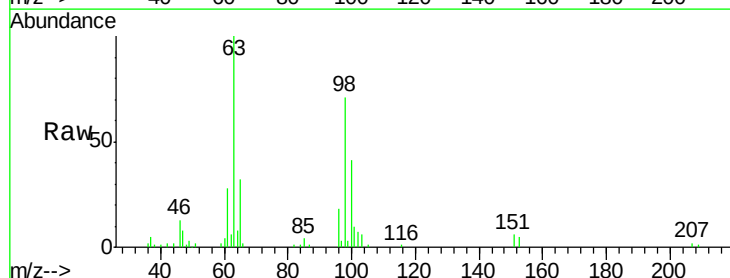
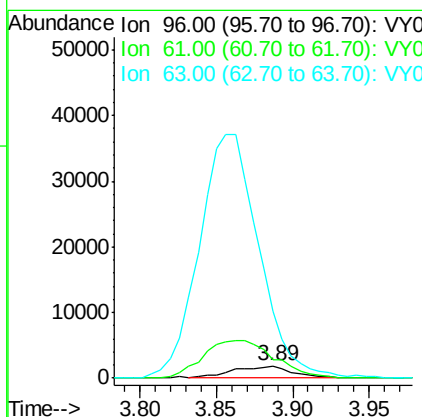
RT: 3.89 min Scan# 339

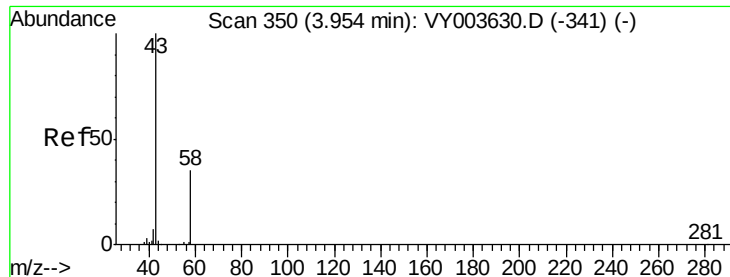
Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion:	96	Resp:	5006
Ion Ratio	Lower	Upper	
96	100		
61	153.1	106.1	197.1
63	552.5	62.9	116.9#





#13

Acetone

Concen: 3.533 ug/L m

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 3438

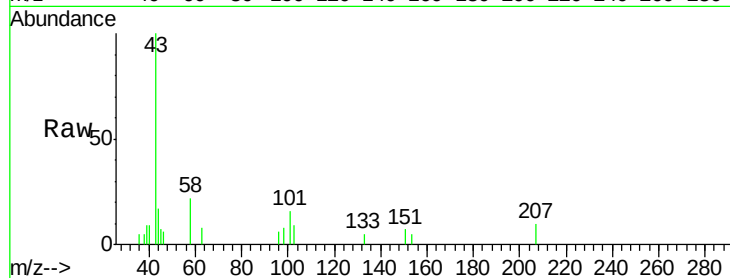
Ion Ratio Lower Upper

43 100

58 21.3 0.0 61.6

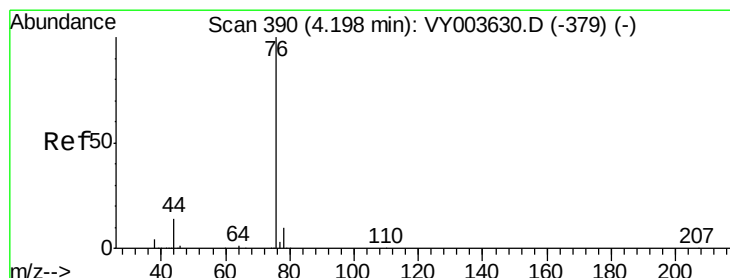
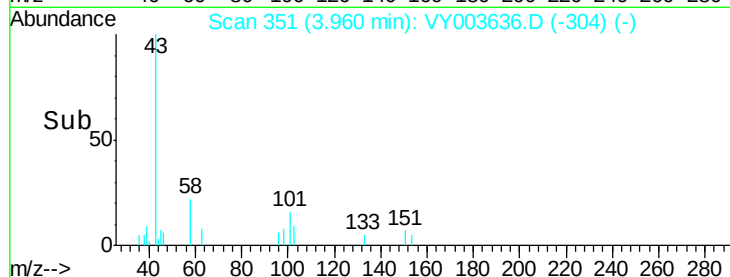
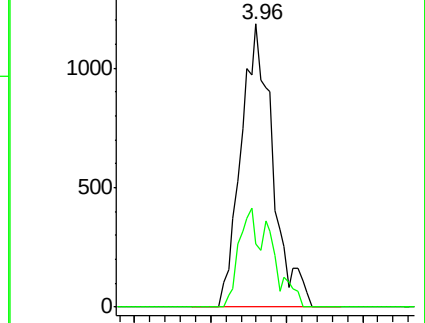
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.187 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003636.D

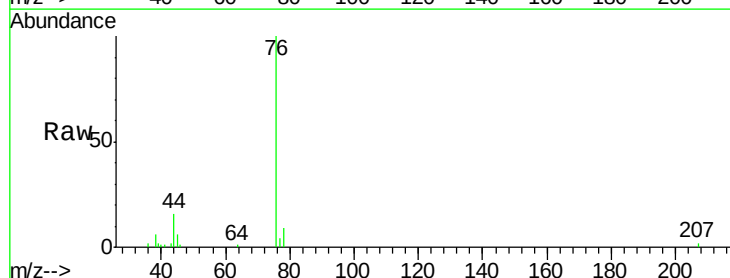
Acq: 01 Dec 2020 16:21

Tgt Ion: 76 Resp: 12336

Ion Ratio Lower Upper

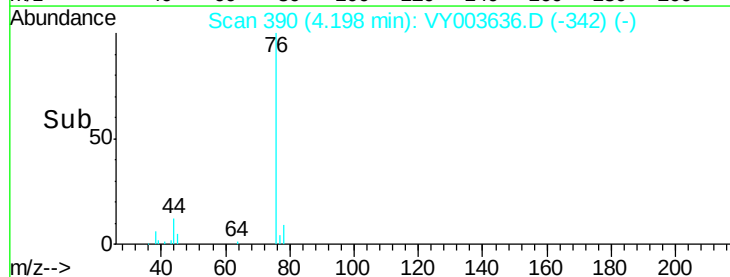
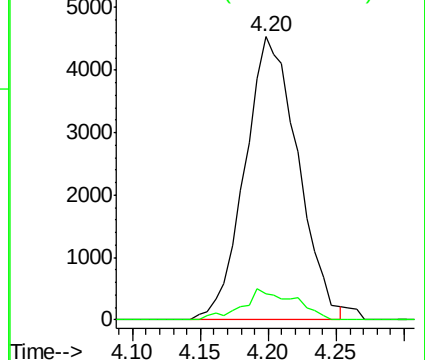
76 100

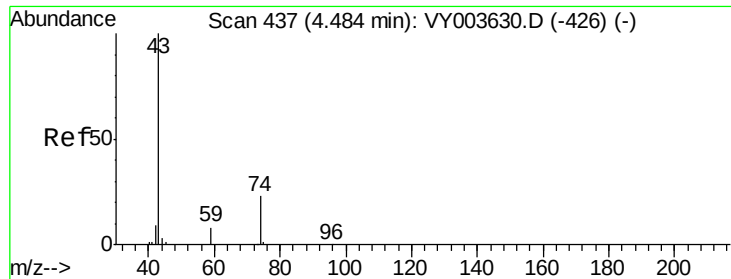
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





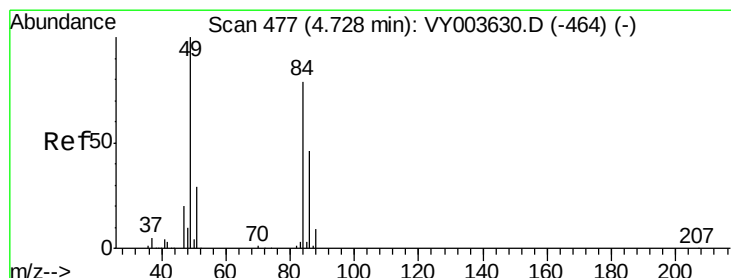
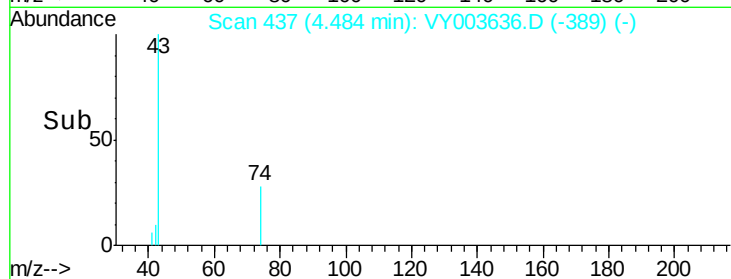
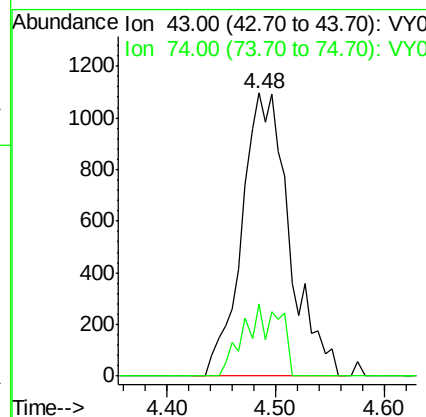
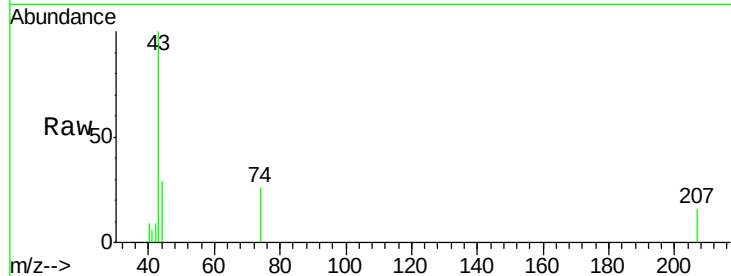
#15
Methyl Acetate
Concen: 1.419 ug/L m
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
74 11.8 18.2 27.2#

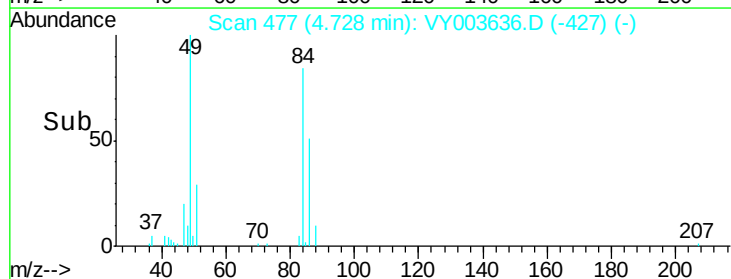
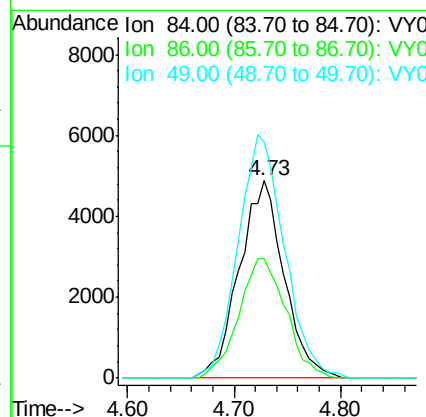
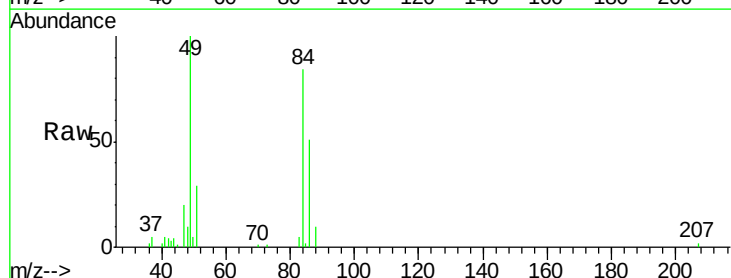
Manual Integrations
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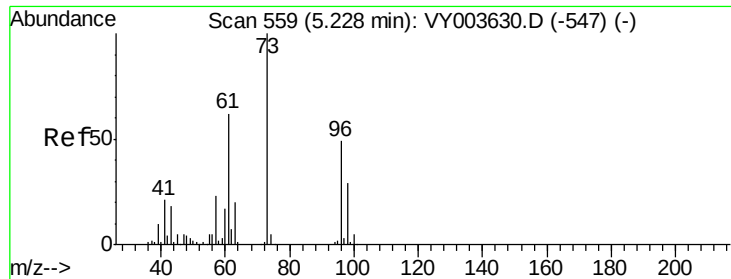
MMDadoda
12/2/2020 1:29:08 PM



#16
Methylene chloride
Concen: 3.516 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion: 84 Resp: 14366
Ion Ratio Lower Upper
84 100
86 60.3 43.3 80.3
49 119.4 85.3 158.5





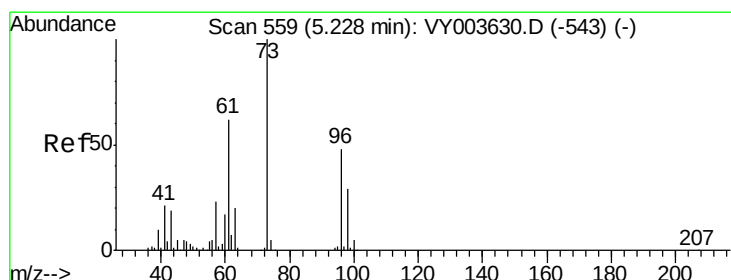
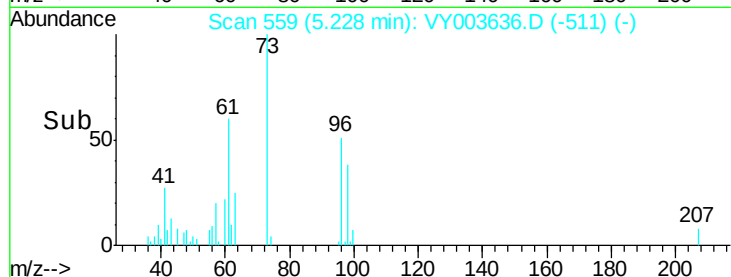
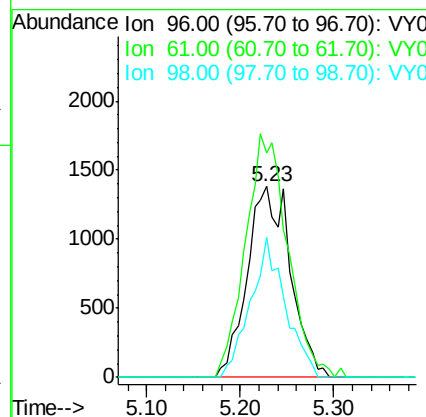
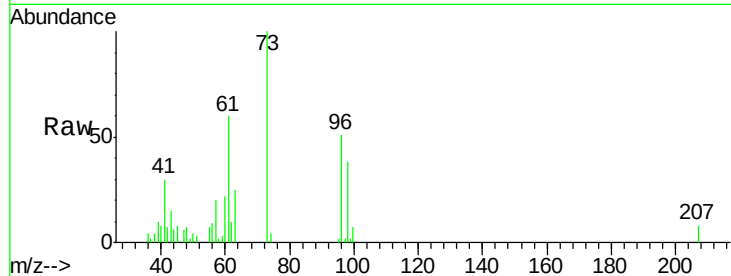
#17
trans-1,2-Dichloroethene
Concen: 1.280 ug/L m
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.8	89.5	166.1
98	73.6	45.5	84.5

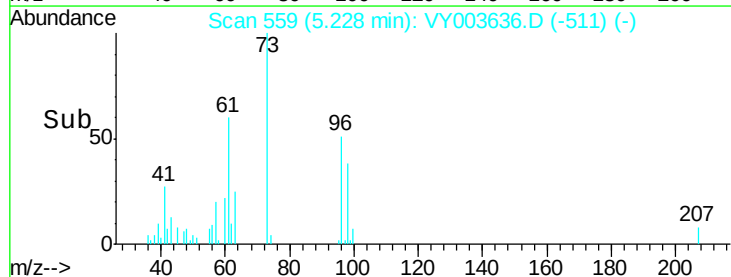
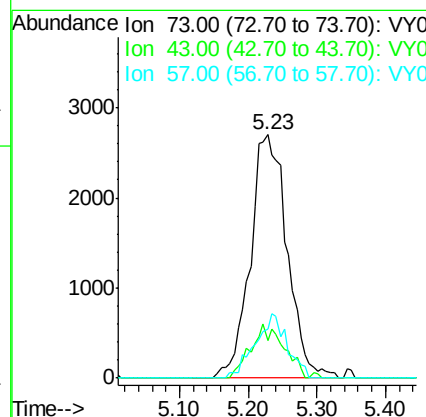
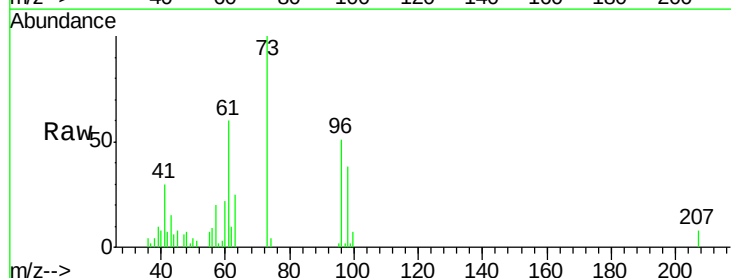
Manual Integrations
APPROVED

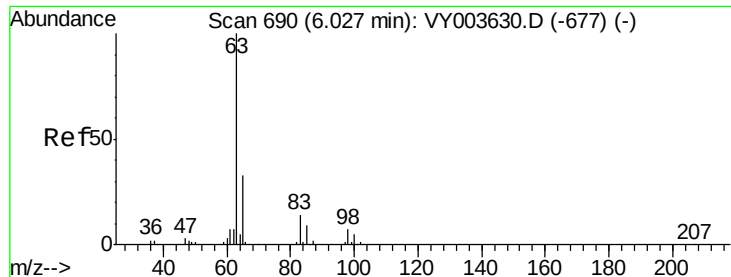
MMDadoda
12/2/2020 1:29:08 PM



#18
Methyl tert-butyl Ether
Concen: 1.187 ug/L m
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	9.3	15.2	22.8#
57	22.5	18.1	27.1





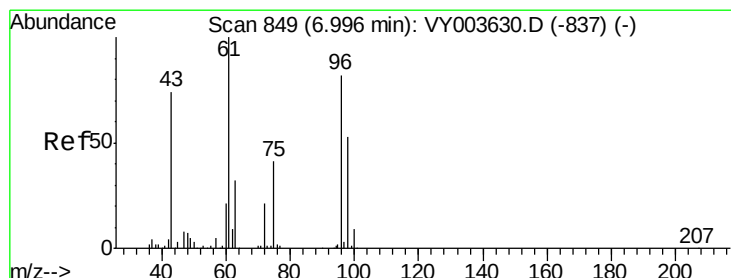
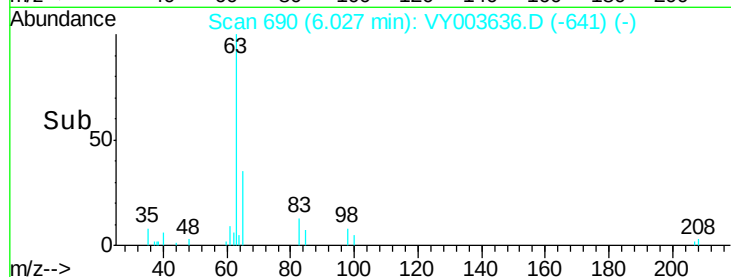
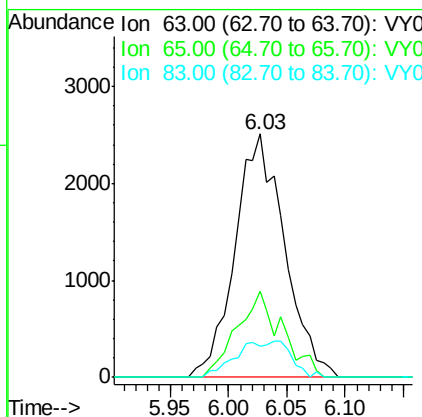
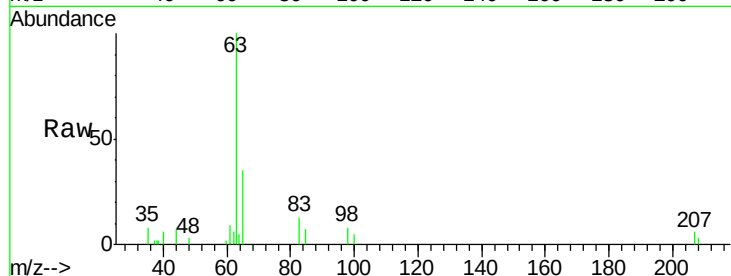
#19
 1,1-Dichloroethane
 Concen: 1.275 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.2	21.9	40.7
83	12.9	9.5	17.7

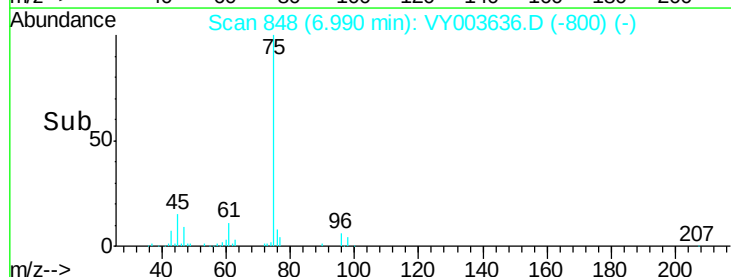
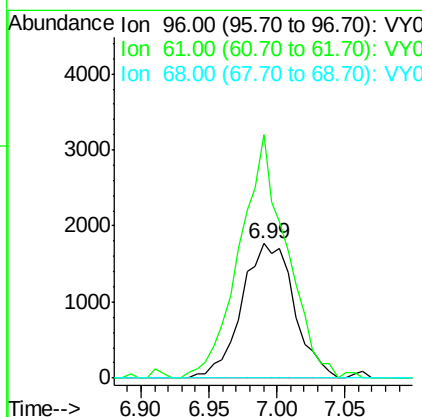
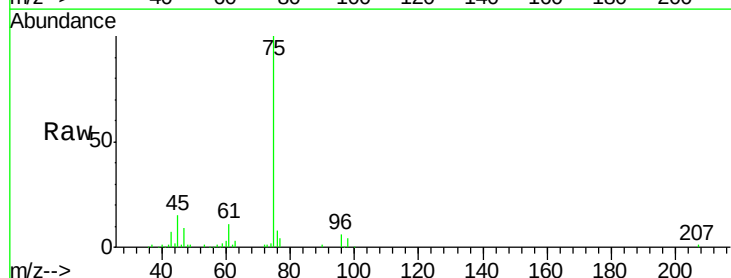
Manual Integrations
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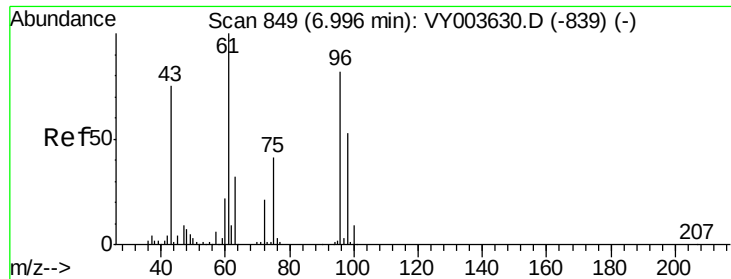
MMDadoda
 12/2/2020 1:29:08 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.314 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	85.8	159.4#
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.821 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 43 Resp: 6251

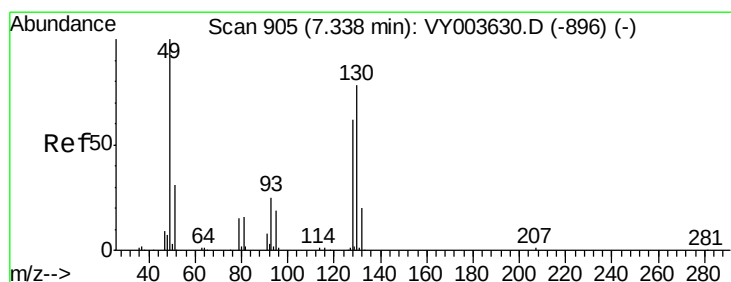
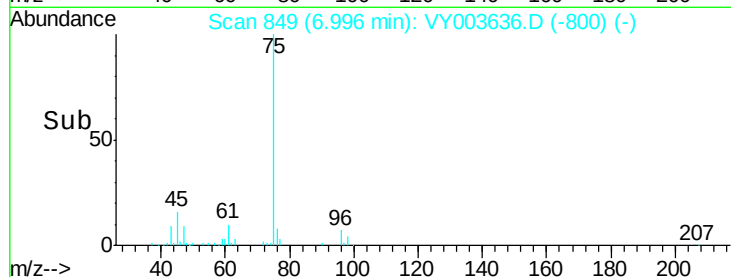
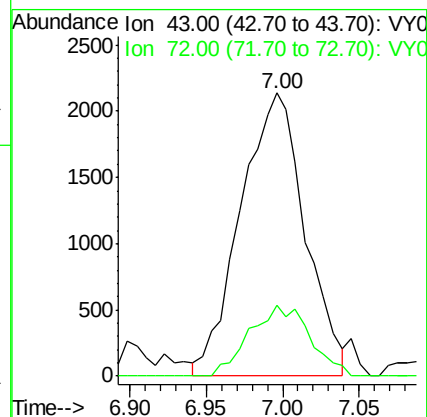
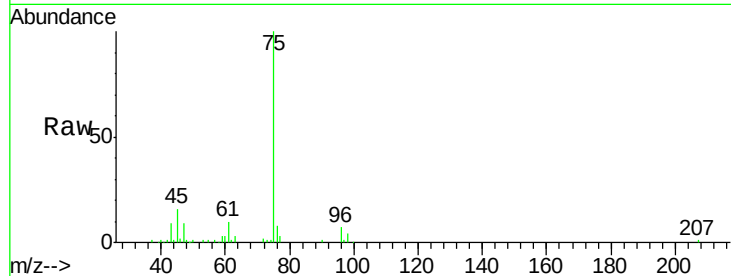
Ion Ratio Lower Upper

43 100

72 23.4 13.5 40.5

Manual Integrations
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12/2/2020 1:29:08 PM



#23

Bromochloromethane

Concen: 1.197 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion: 128 Resp: 2115

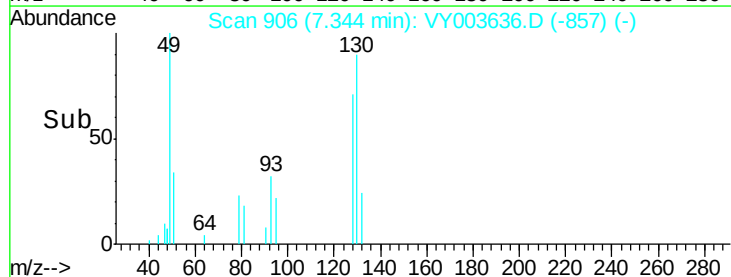
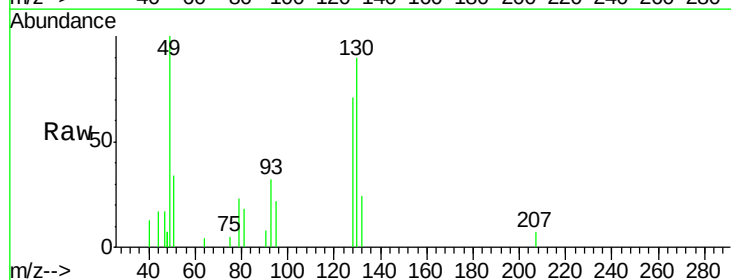
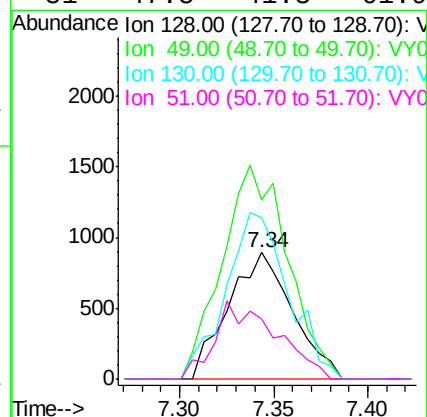
Ion Ratio Lower Upper

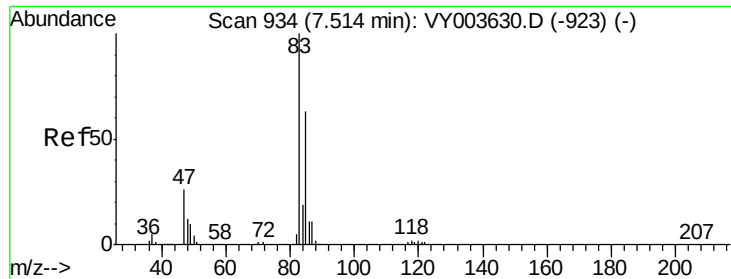
128 100

49 141.4 118.1 219.3

130 127.4 90.5 168.1

51 47.5 41.3 61.9





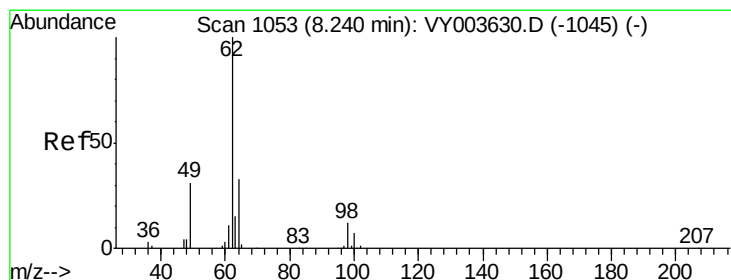
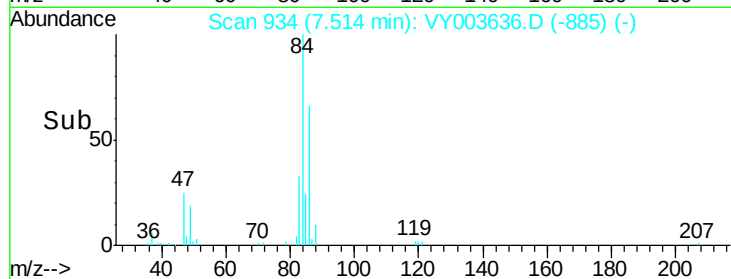
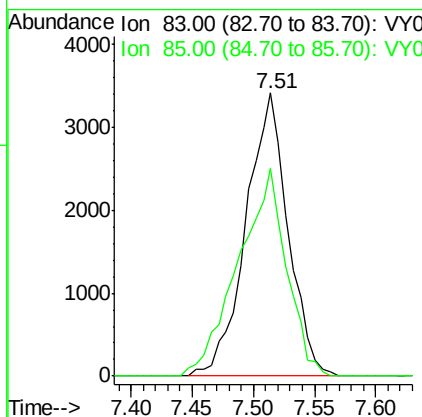
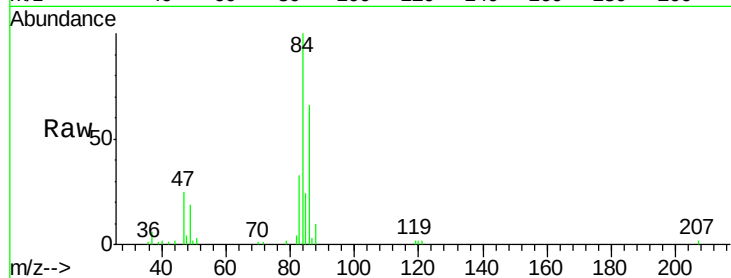
#25
Chloroform
Concen: 1.406 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion	83	Resp	8193
Ion Ratio	100	Lower	Upper
85	73.3	44.4	82.4

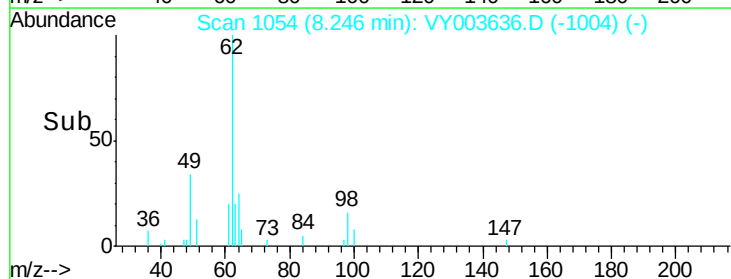
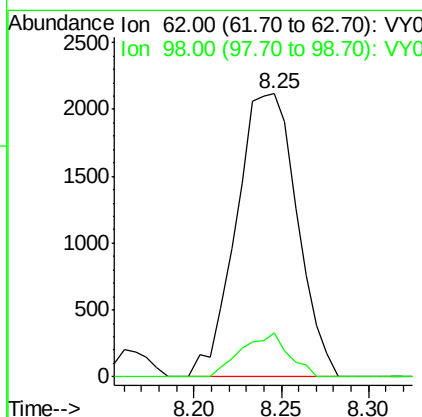
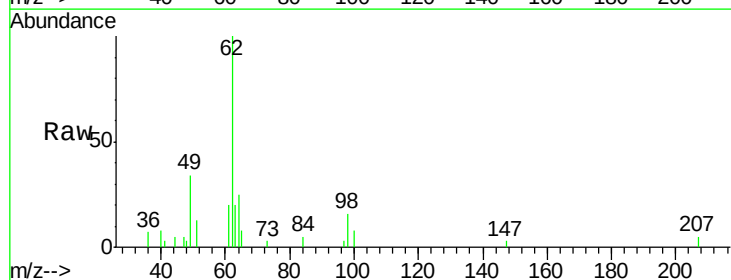
Manual Integrations
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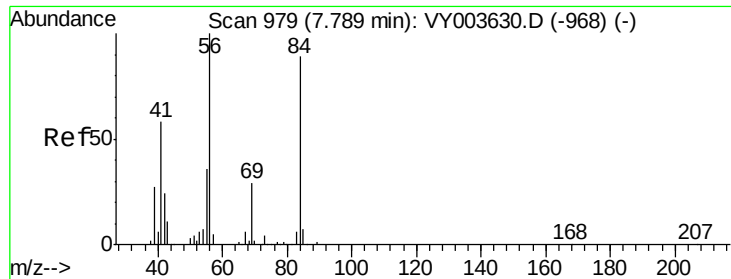
MMDadoda
12/2/2020 1:29:08 PM



#27
1,2-Dichloroethane
Concen: 1.334 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	62	Resp	5119
Ion Ratio	100	Lower	Upper
98	15.7	7.5	11.3#





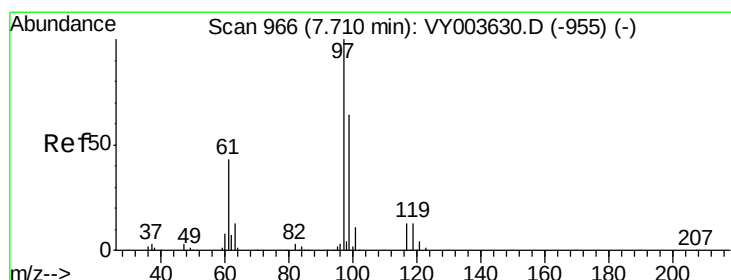
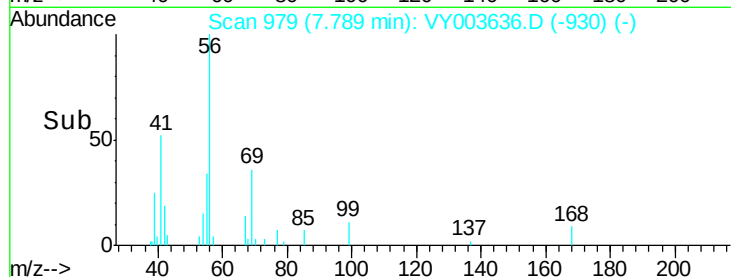
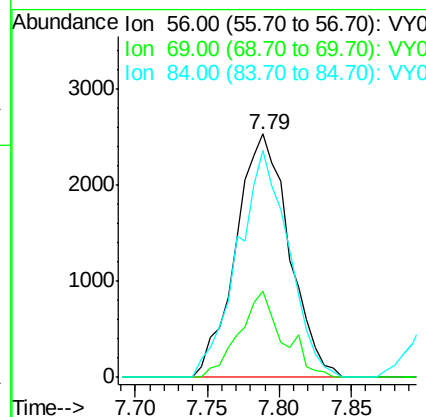
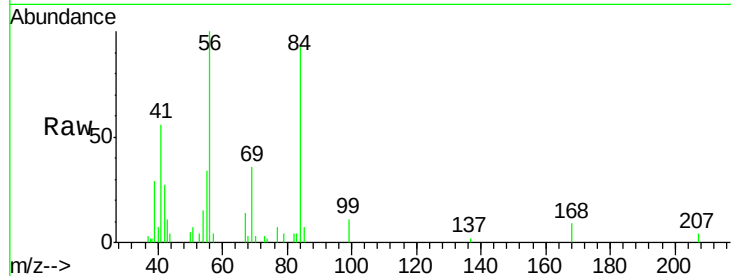
#29
Cyclohexane
Concen: 1.240 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.0	23.9	35.9
84	89.2	71.9	107.9

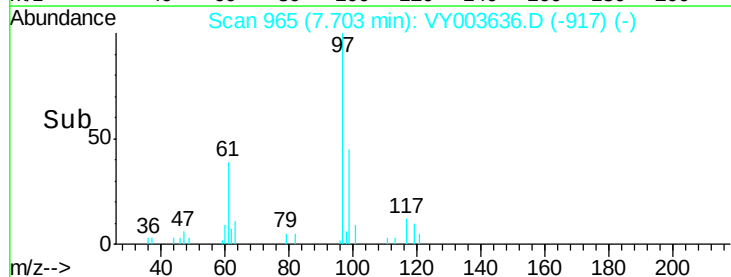
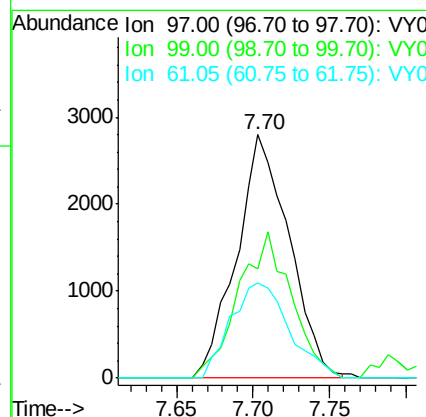
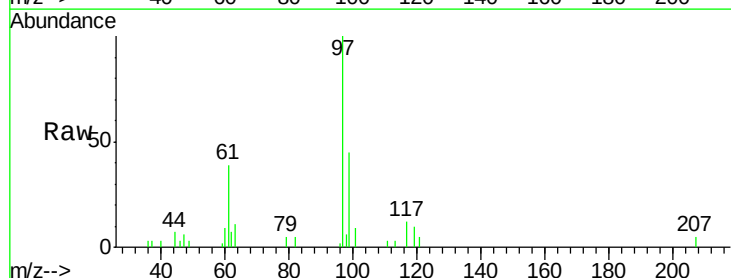
Manual Integrations
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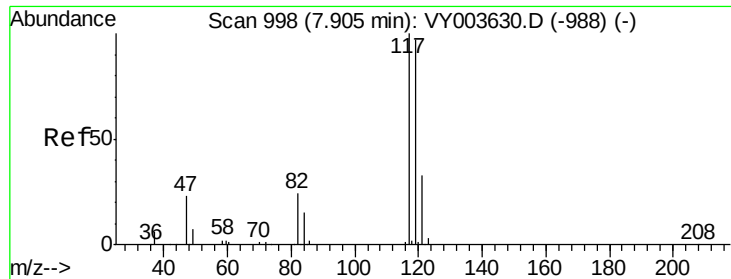
MMDadoda
12/2/2020 1:29:08 PM



#30
1,1,1-Trichloroethane
Concen: 1.328 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	32.7	50.6	76.0#
61	43.5	34.3	51.5





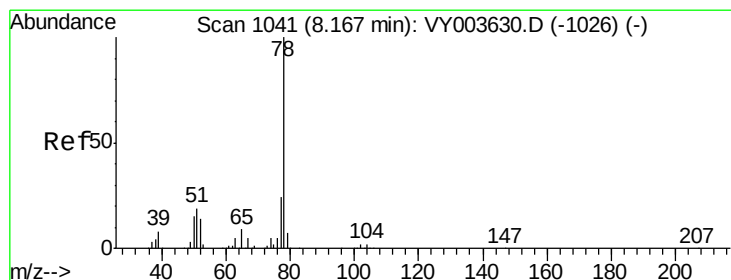
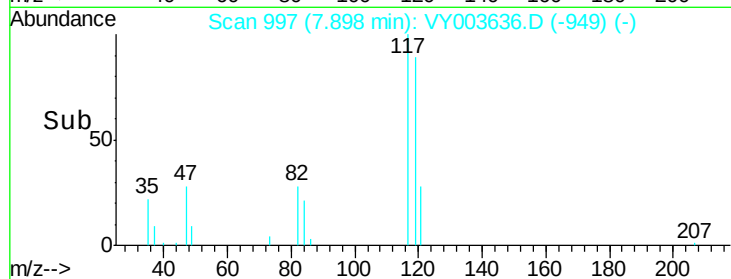
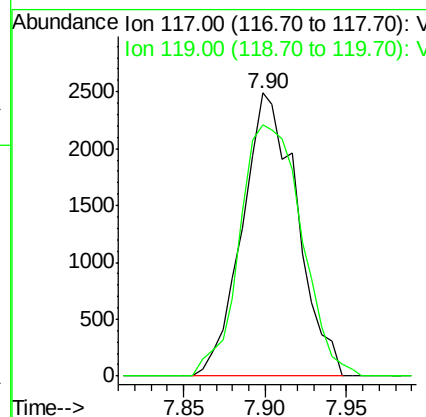
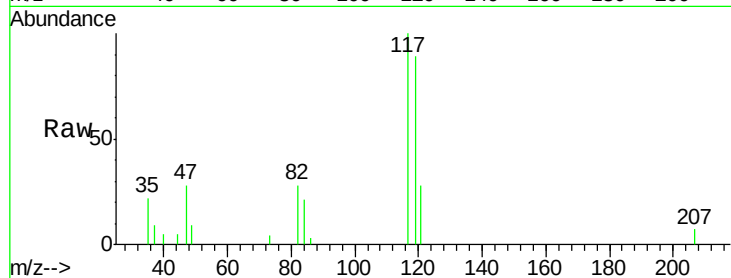
#31
Carbon tetrachloride
Concen: 1.283 ug/L
RT: 7.90 min Scan# 997
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion:117 Resp: 5833
Ion Ratio Lower Upper
117 100
119 100.1 77.7 116.5

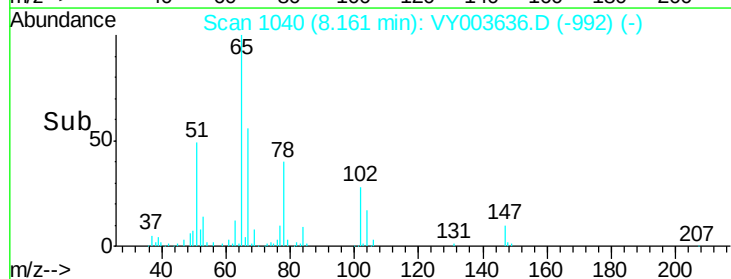
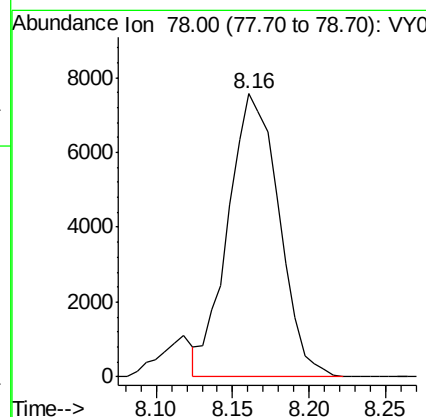
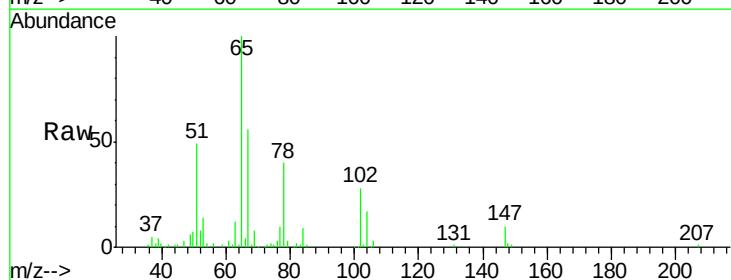
Manual Integrations
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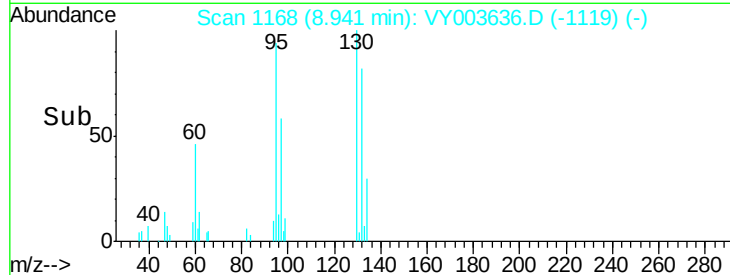
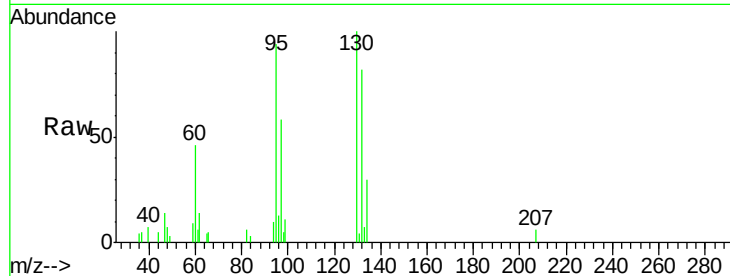
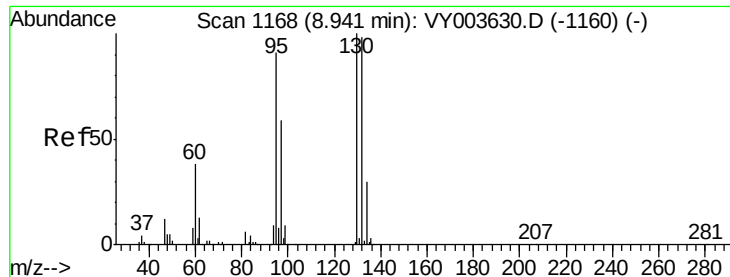
MMDadoda
12/2/2020 1:29:08 PM



#33
Benzene
Concen: 1.297 ug/L
RT: 8.16 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion: 78 Resp: 17509





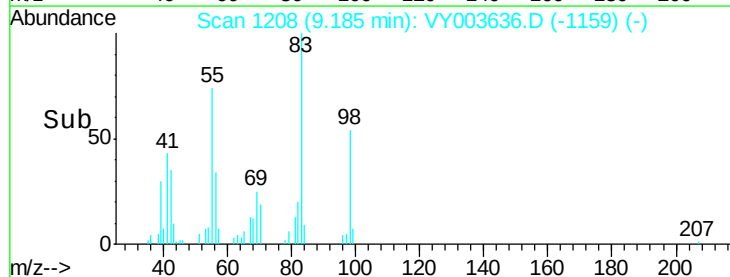
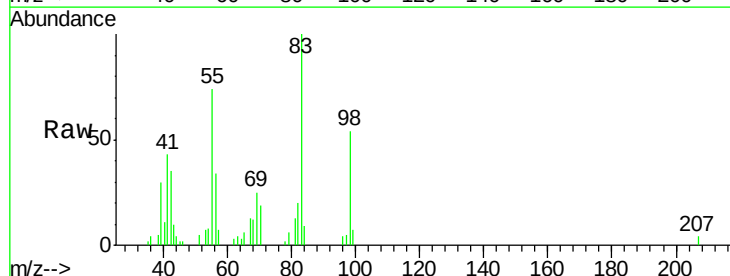
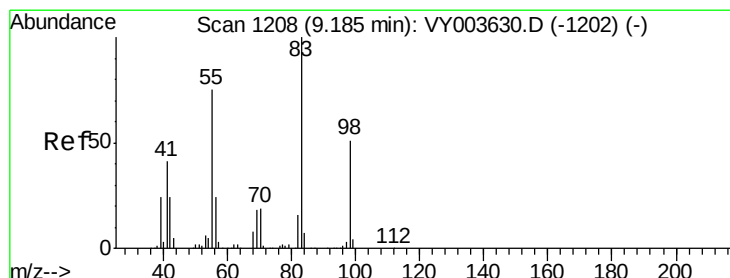
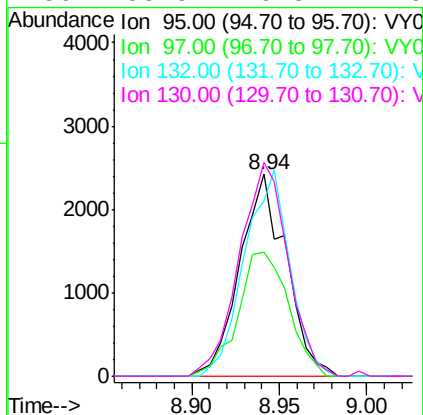
#34
Trichloroethene
Concen: 1.319 ug/L
RT: 8.94 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tot Ion	95	Resp	4447
Ion Ratio	Lower	Upper	
95	100		
97	61.7	44.7	83.1
132	87.0	74.7	138.7
130	105.9	76.8	142.6

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

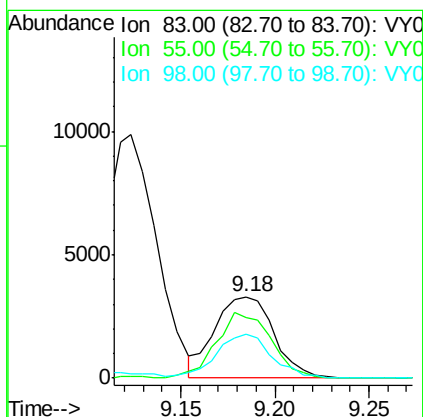
Manual Integrations
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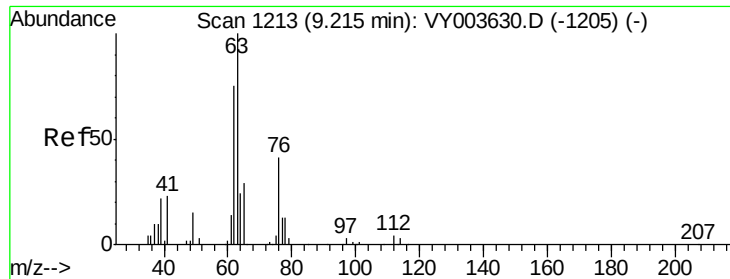
MMDadoda
12/2/2020 1:29:08 PM



#35
Methylcyclohexane
Concen: 1.246 ug/L
RT: 9.18 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	83	Resp	7178
Ion Ratio	Lower	Upper	
83	100		
55	74.8	58.3	87.5
98	50.1	39.0	58.6





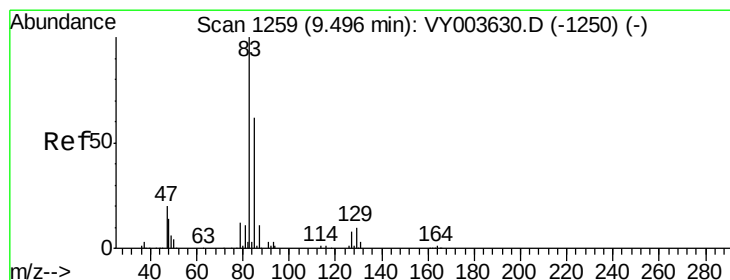
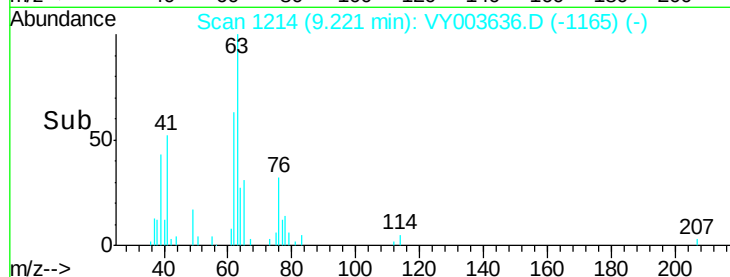
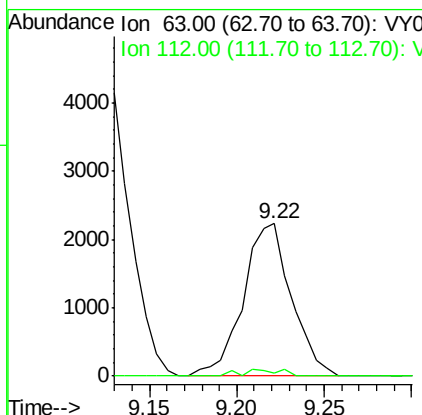
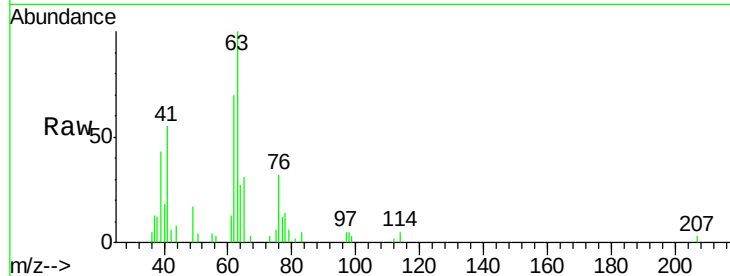
#37
 1,2-Dichloropropane
 Concen: 1.253 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

Tot Ion: 63 Resp: 4294
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.7 5.5#

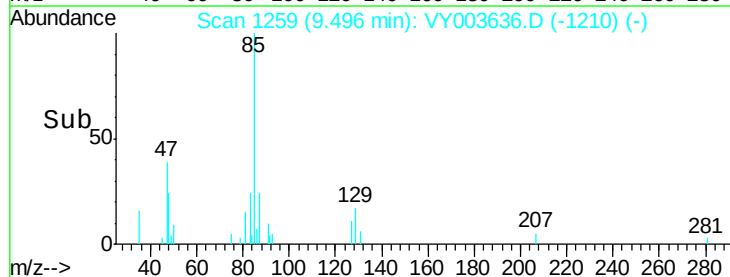
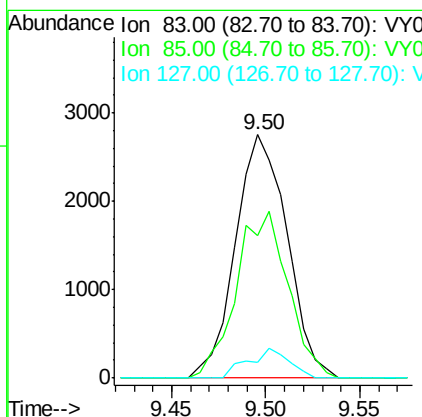
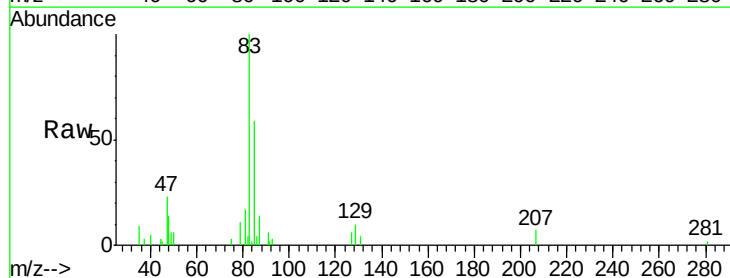
Manual Integrations
 APPROVED

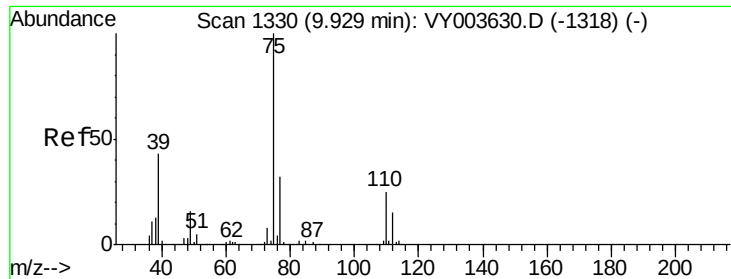
MMDadoda
 12/2/2020 1:29:08 PM



#38
 Bromodichloromethane
 Concen: 1.211 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 83 Resp: 5223
 Ion Ratio Lower Upper
 83 100
 85 58.5 43.1 80.1
 127 6.5 7.1 10.7#





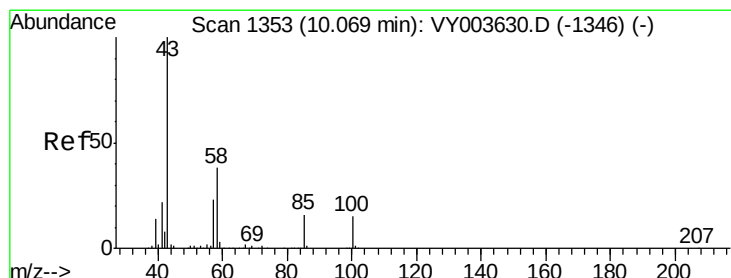
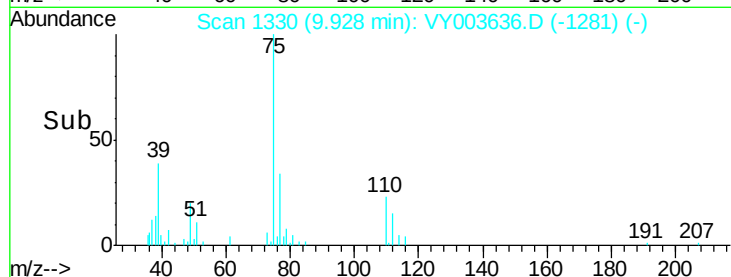
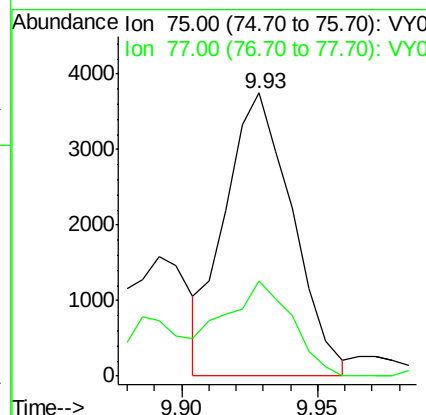
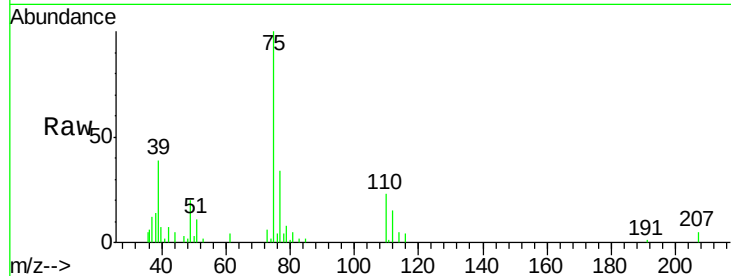
#39
 cis-1,3-Dichloropropene
 Concen: 1.212 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 6416
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.5 43.7

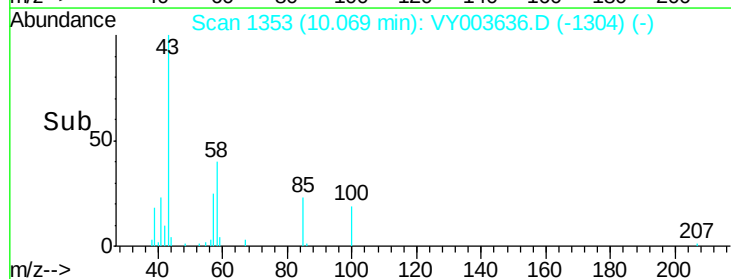
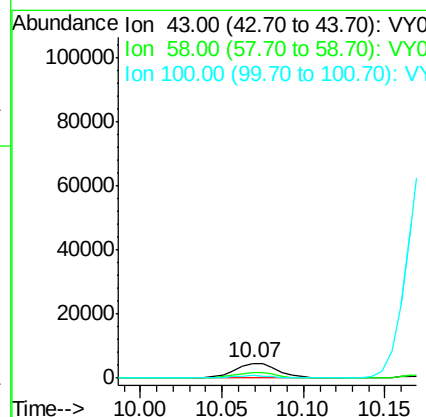
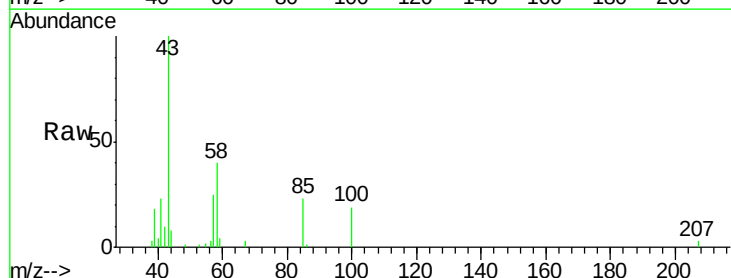
Manual Integrations
 APPROVED

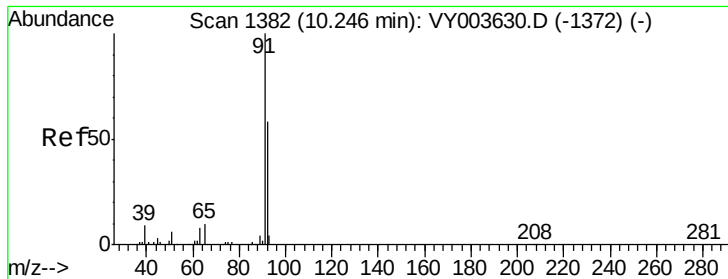
MMDadoda
 12/2/2020 1:29:08 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.845 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion: 43 Resp: 8562
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.7 46.1
 100 15.4 12.1 18.1





#42

Toluene

Concen: 1.275 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 18092

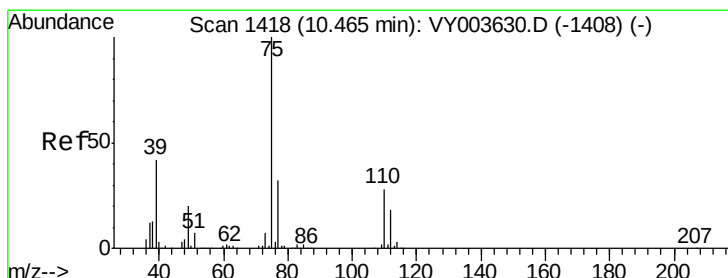
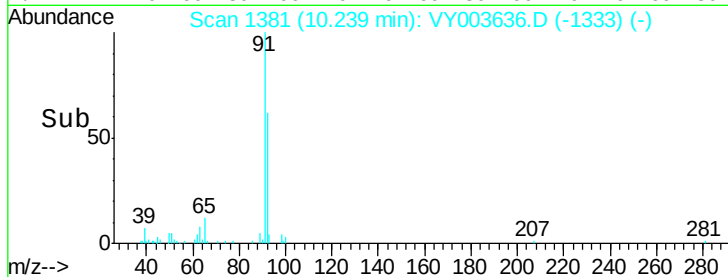
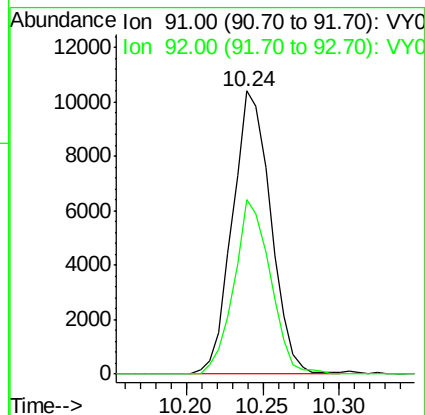
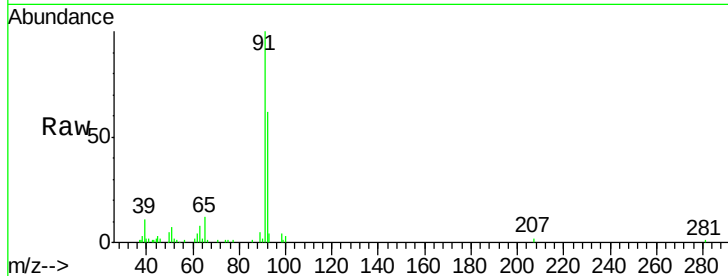
Ion Ratio Lower Upper

91 100

92 61.9 40.1 74.5

Manual Integrations
APPROVED

MMDadoda
12/2/2020 1:29:08 PM



#44

trans-1,3-Dichloropropene

Concen: 1.562 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003636.D

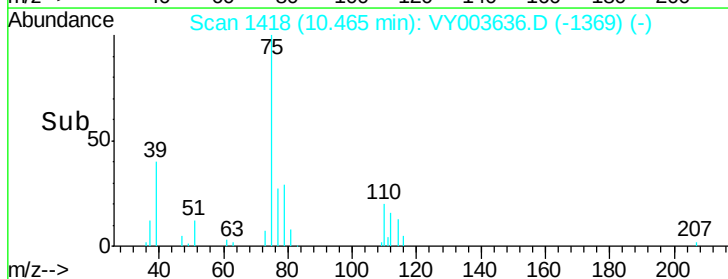
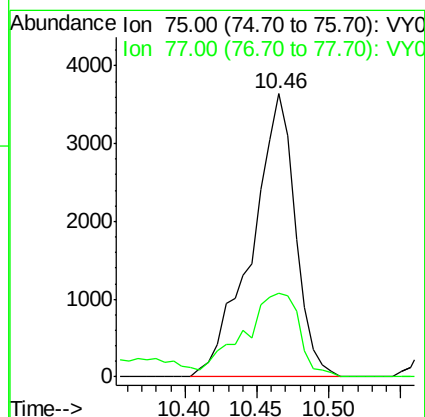
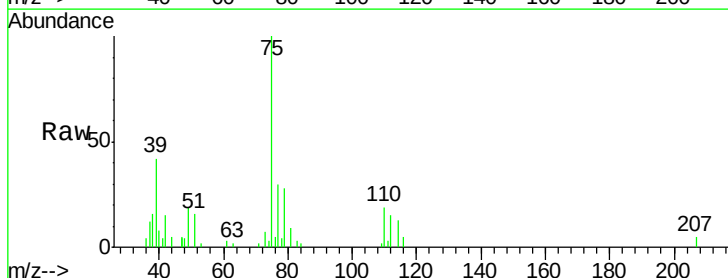
Acq: 01 Dec 2020 16:21

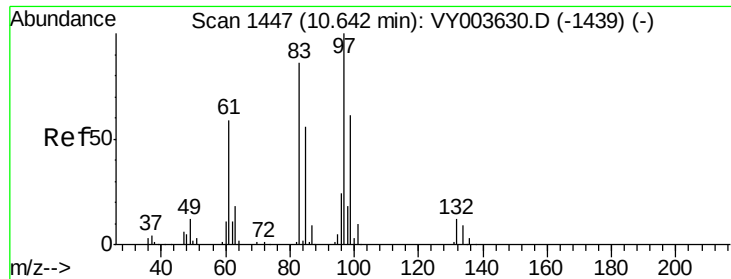
Tgt Ion: 75 Resp: 7633

Ion Ratio Lower Upper

75 100

77 29.8 22.9 42.5





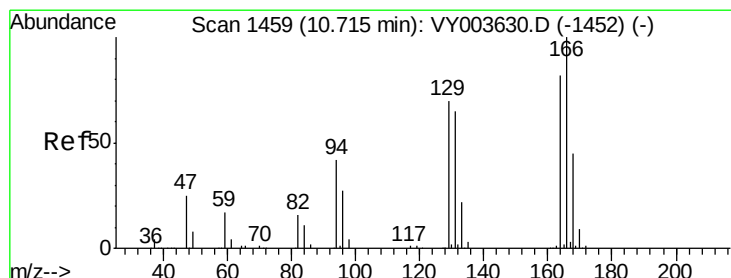
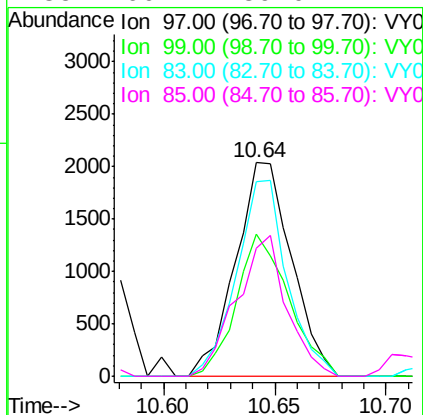
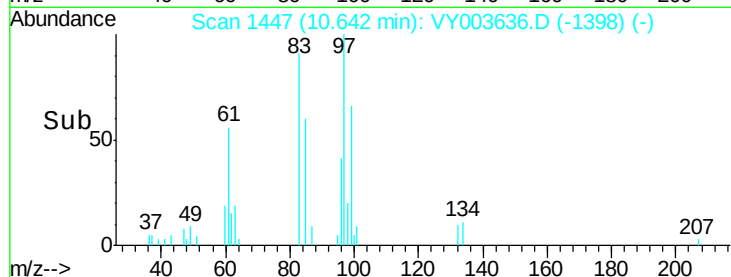
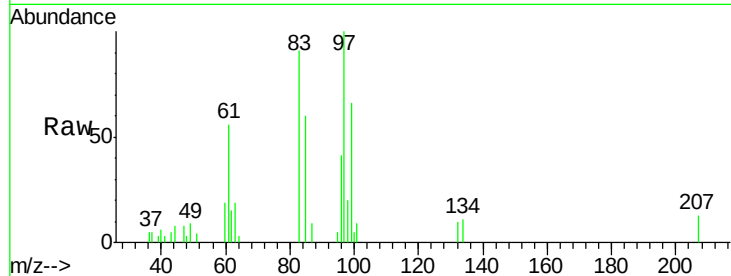
#45
1,1,2-Trichloroethane
Concen: 1.237 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion:	97	Resp:	3561
Ion	Ratio	Lower	Upper
97	100		
99	66.3	45.1	83.9
83	91.0	59.7	110.9
85	60.1	39.0	72.4

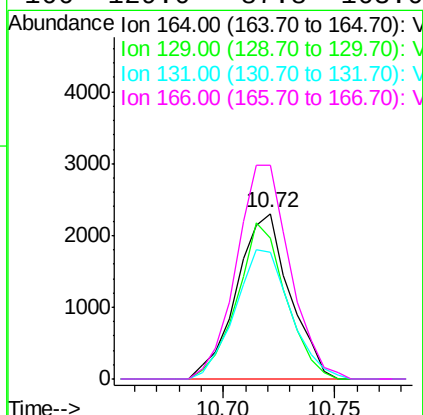
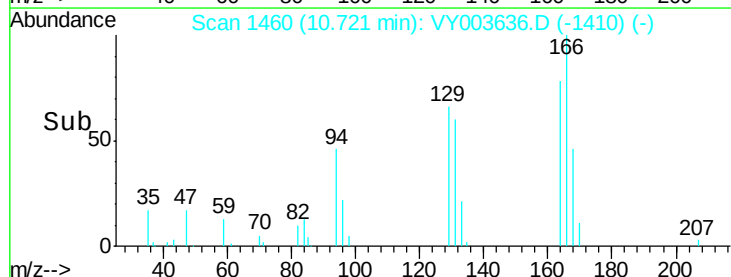
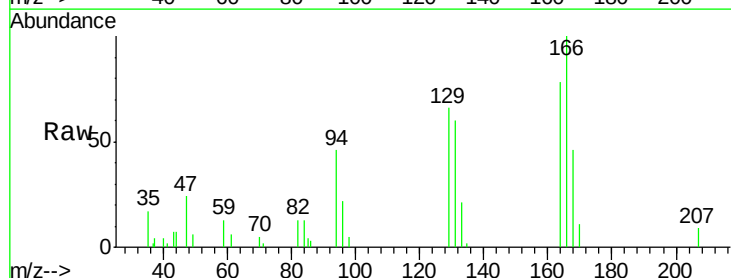
Manual Integrations
APPROVED

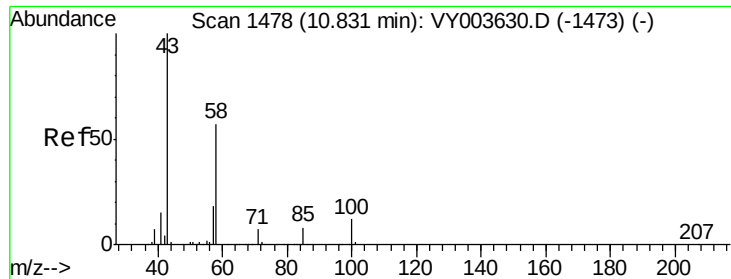
MMDadoda
12/2/2020 1:29:08 PM



#46
Tetrachloroethene
Concen: 1.333 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion:	164	Resp:	3844
Ion	Ratio	Lower	Upper
164	100		
129	84.9	58.9	109.5
131	76.9	59.0	109.6
166	129.0	87.8	163.0





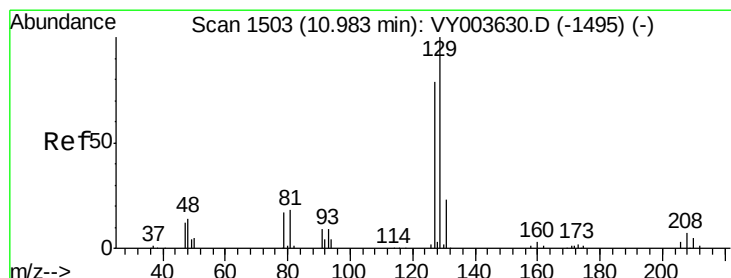
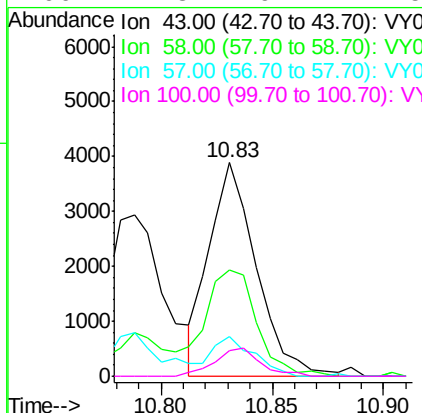
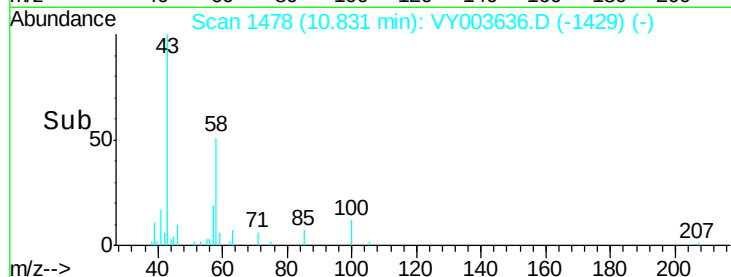
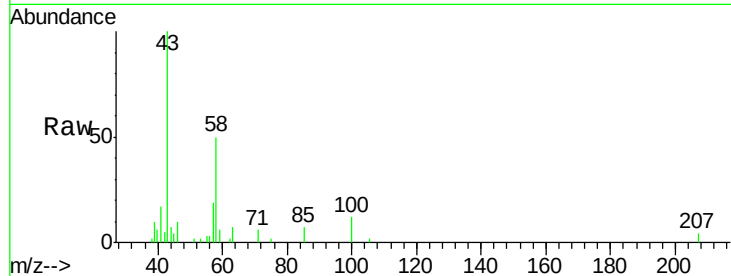
#48
2-Hexanone
Concen: 2.599 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :
MDL01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	51.6	43.0	64.6	
57	15.8	14.6	21.8	
100	12.3	9.7	14.5	

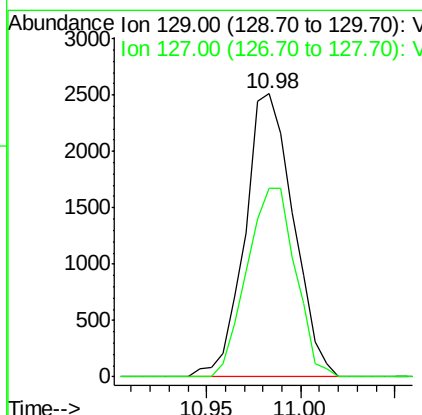
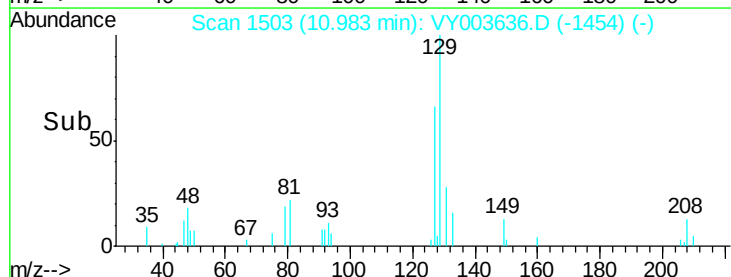
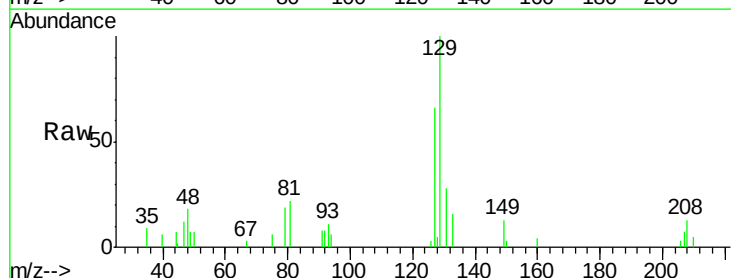
Manual Integrations
APPROVED

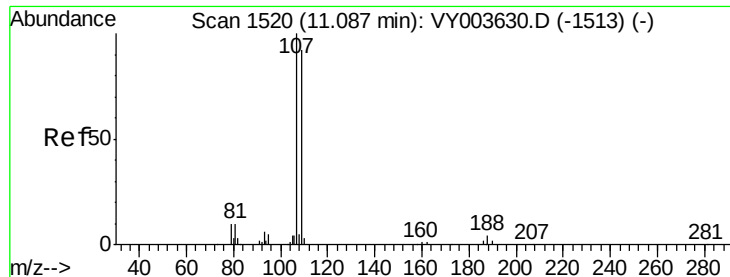
MMDadoda
12/2/2020 1:29:08 PM



#49
Dibromochloromethane
Concen: 1.349 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	66.5	55.0	102.2	





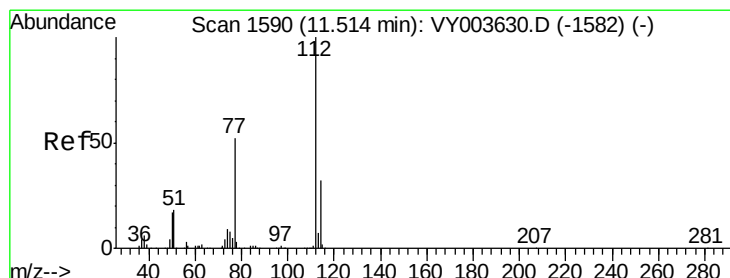
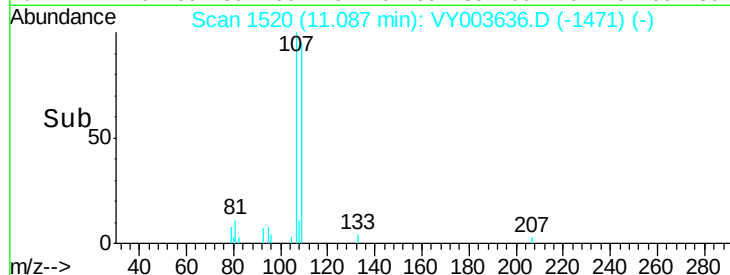
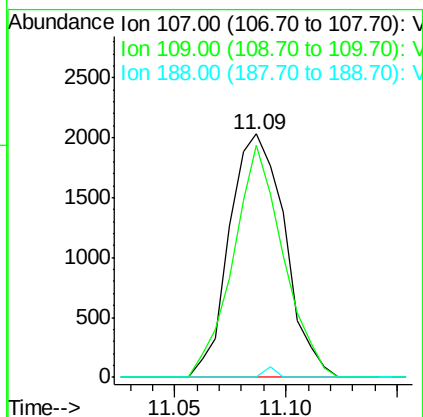
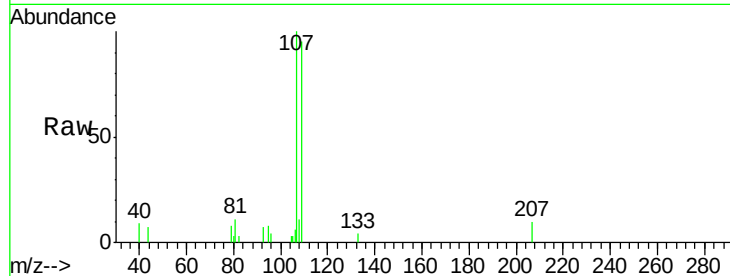
#50
1,2-Dibromoethane
Concen: 1.263 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	65.5	121.7
188	0.0	3.8	5.8#

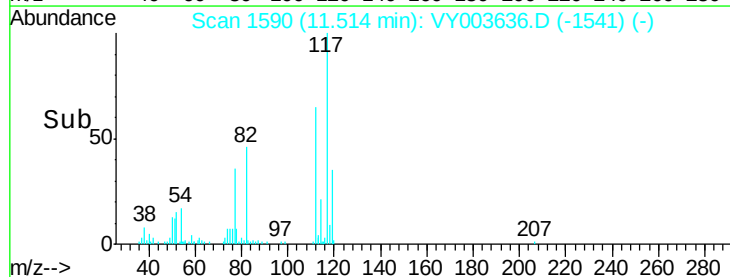
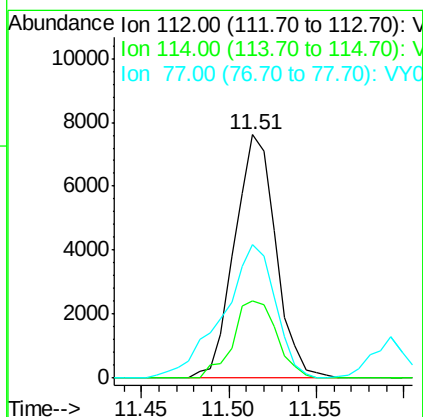
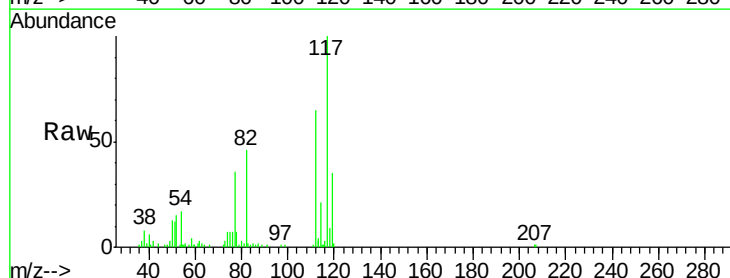
Manual Integrations
APPROVED

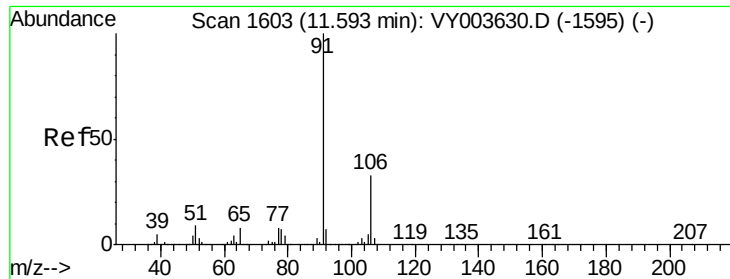
MMDadoda
12/2/2020 1:29:08 PM



#51
Chlorobenzene
Concen: 1.372 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	55.1	43.8	65.6





#52

Ethylbenzene

Concen: 1.259 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

ClientSampled :

MDL01

Tot Ion: 91 Resp: 19112

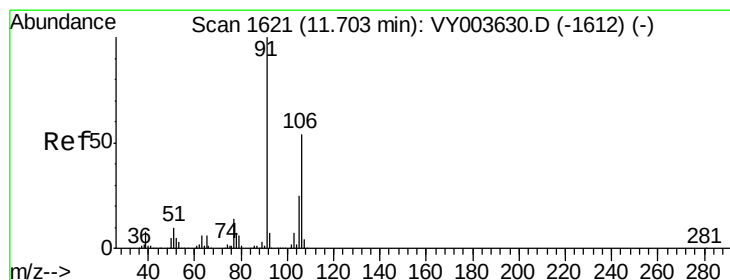
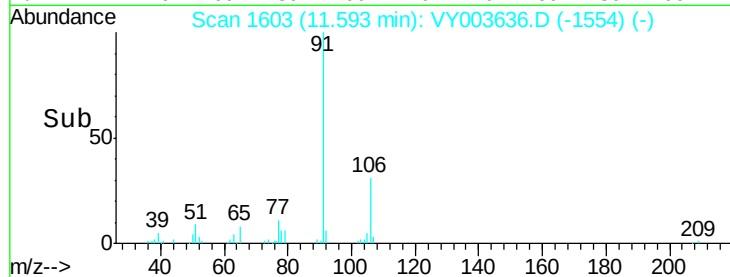
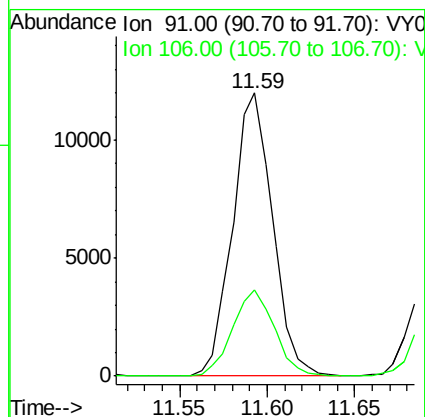
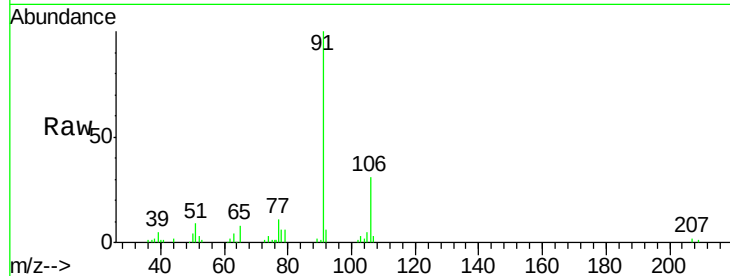
Ion Ratio Lower Upper

91 100

106 30.7 22.8 42.4

Manual Integrations
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MMDadoda
12/2/2020 1:29:08 PM



#53

m,p-Xylene

Concen: 1.282 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003636.D

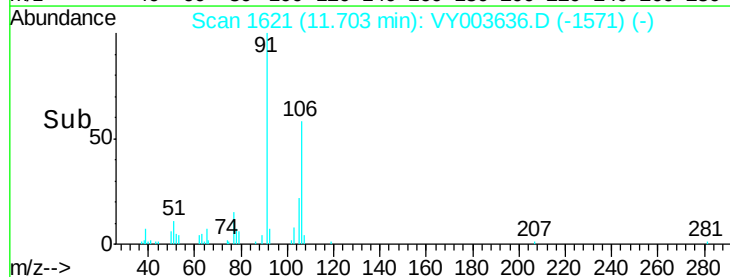
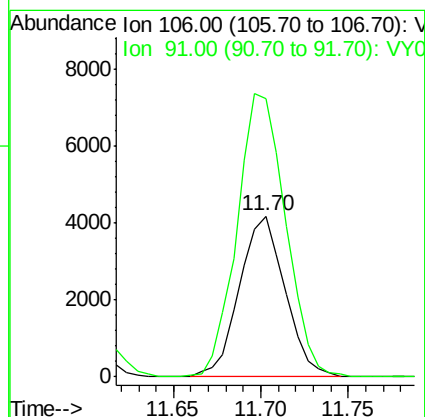
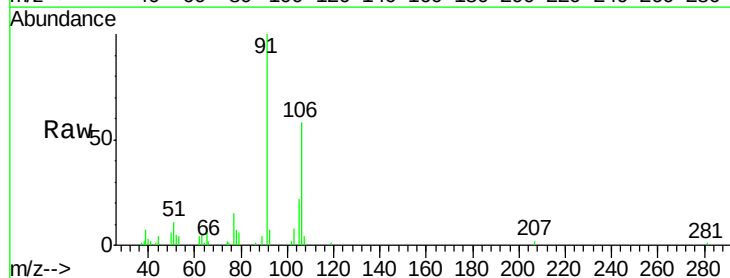
Acq: 01 Dec 2020 16:21

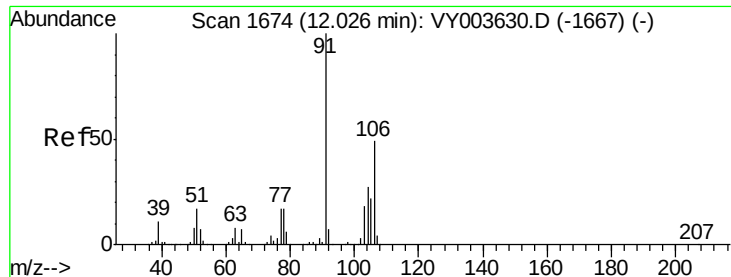
Tgt Ion: 106 Resp: 7610

Ion Ratio Lower Upper

106 100

91 172.4 133.1 247.3





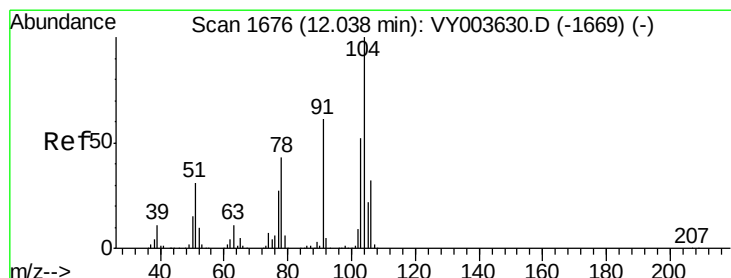
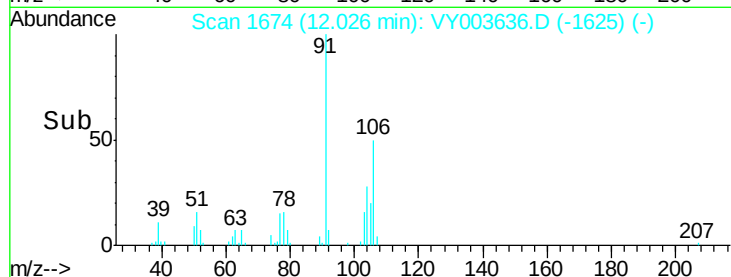
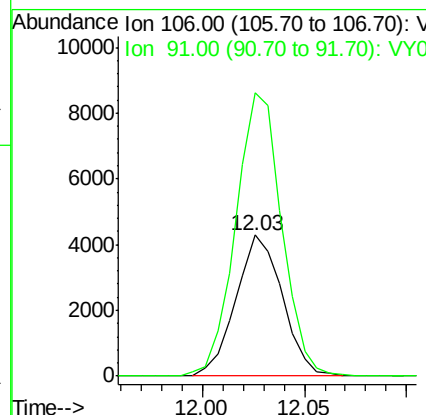
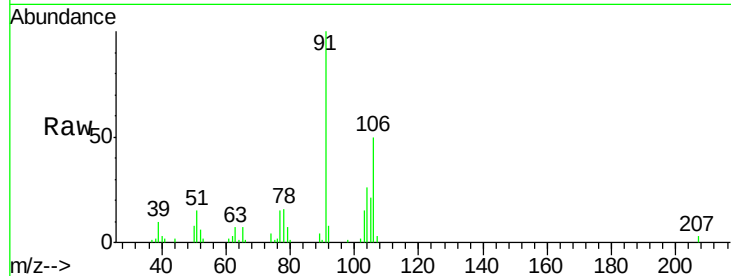
#54
o-Xylene
Concen: 1.213 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.7	144.1	267.5

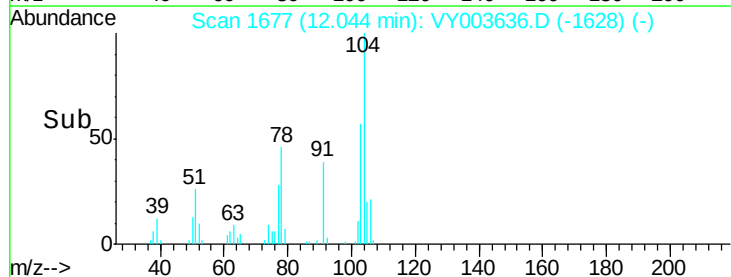
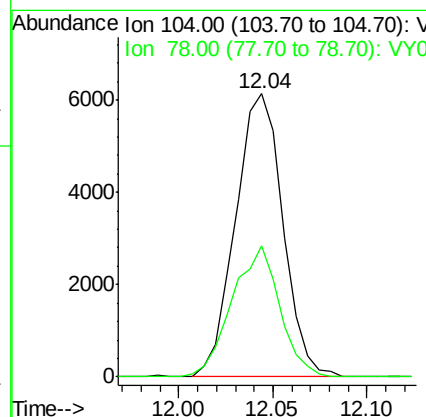
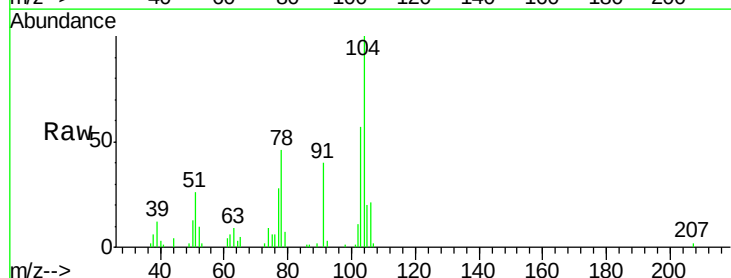
Manual Integrations
APPROVED

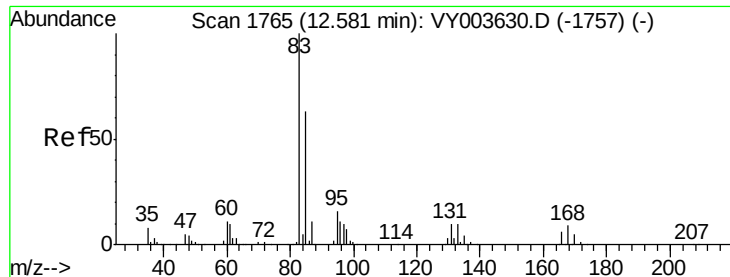
MMDadoda
12/2/2020 1:29:08 PM



#55
Styrene
Concen: 1.118 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	27.6	51.4





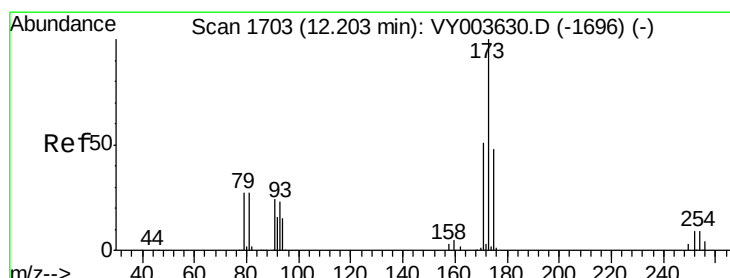
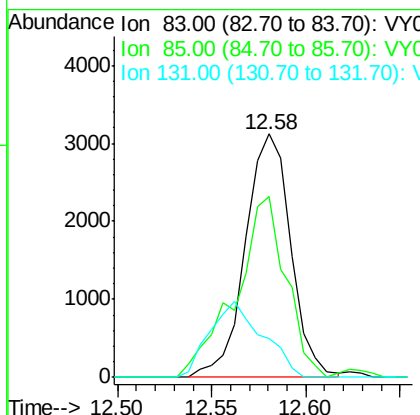
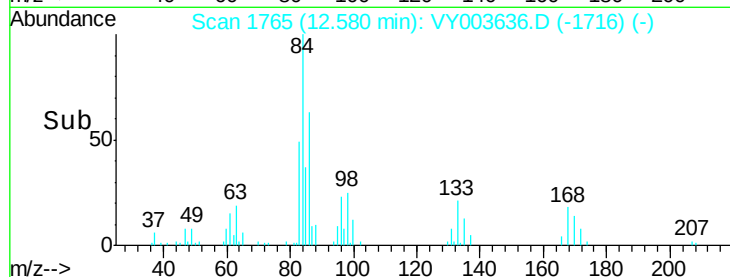
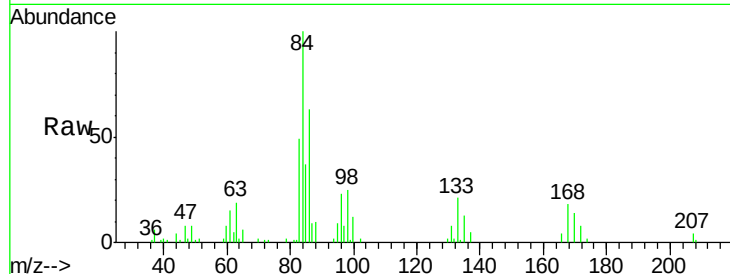
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.365 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
83	100		
85	74.5	46.1	85.7
131	15.7	8.1	12.1

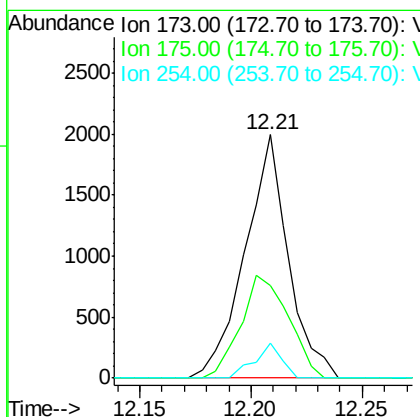
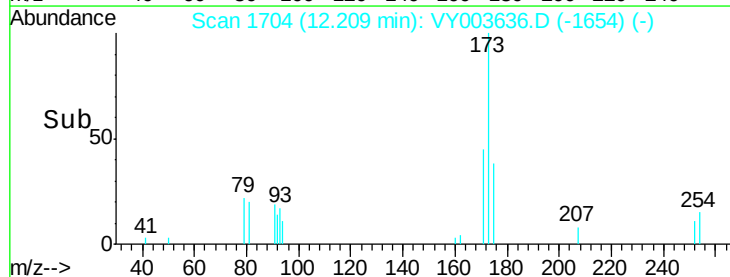
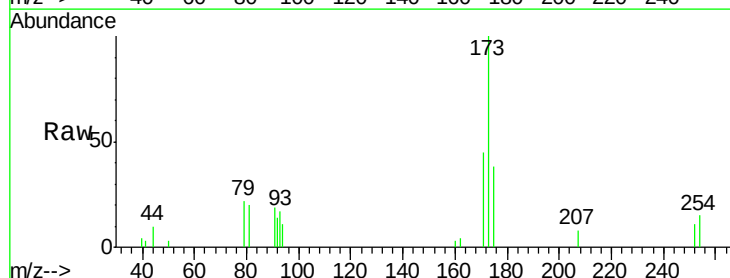
Manual Integrations
 APPROVED

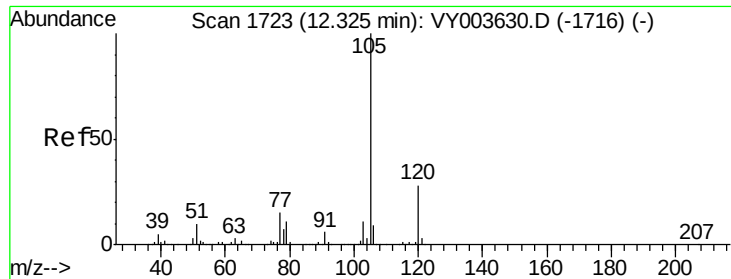
MMDadoda
 12/2/2020 1:29:08 PM



#59
 Bromoform
 Concen: 1.258 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.2	57.4
254	8.9	8.0	12.0





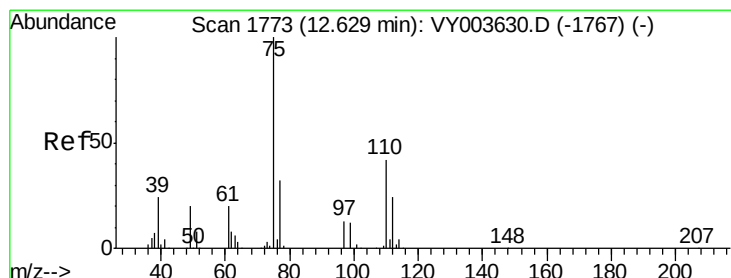
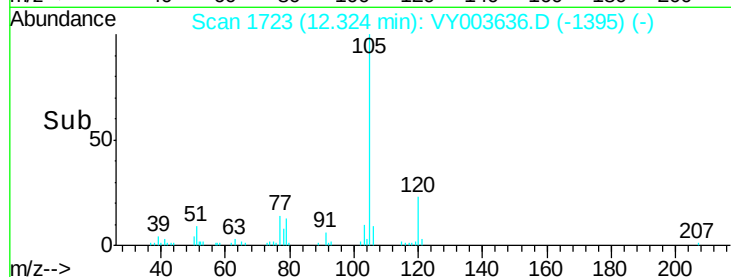
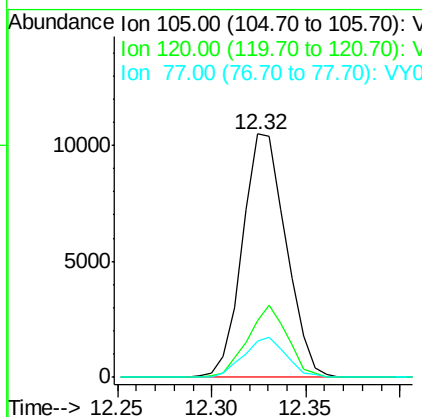
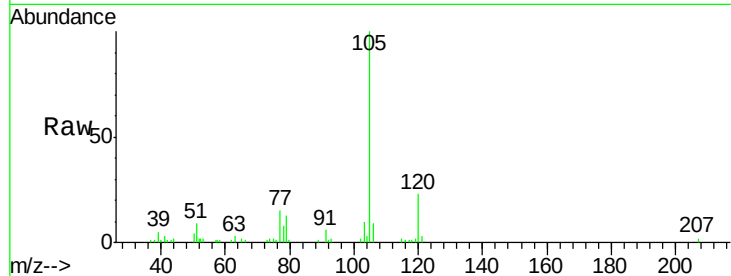
#60
Isopropylbenzene
Concen: 1.208 ug/L
RT: 12.32 min Scan# 1723
Delta R.T. -0.00 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	22.0	33.0
77	15.9	12.1	18.1

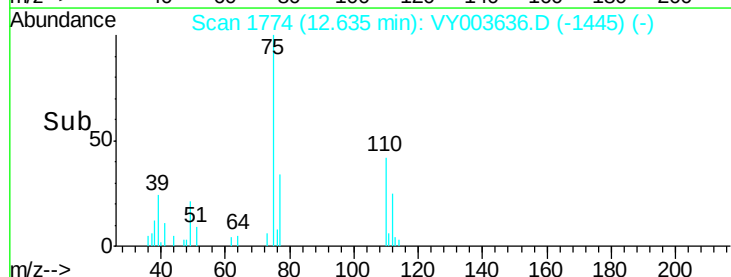
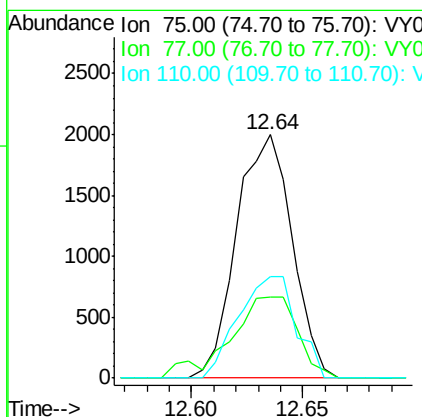
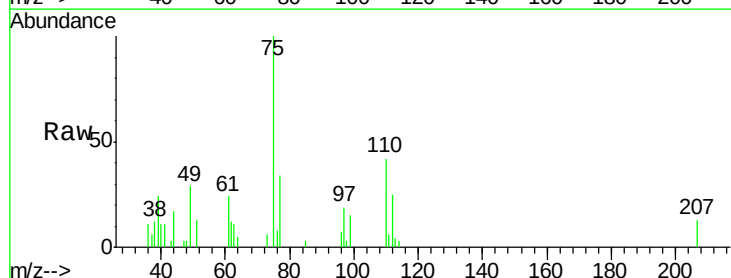
Manual Integrations
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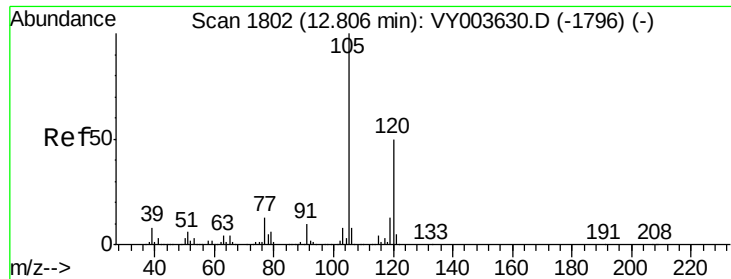
MMDadoda
12/2/2020 1:29:08 PM



#61
1,2,3-Trichloropropane
Concen: 1.328 ug/L
RT: 12.64 min Scan# 1774
Delta R.T. 0.01 min
Lab File: VY003636.D
Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.3	26.3	39.5
110	43.4	33.0	49.4





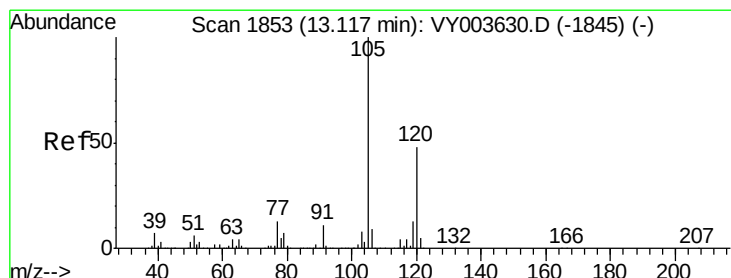
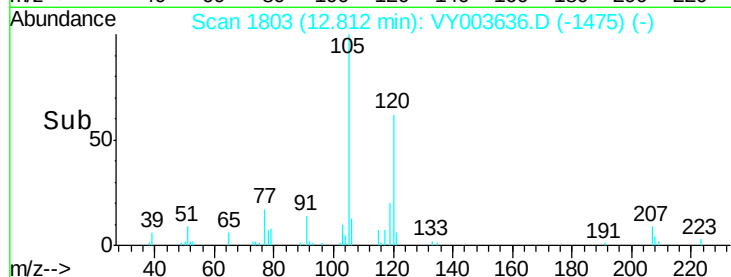
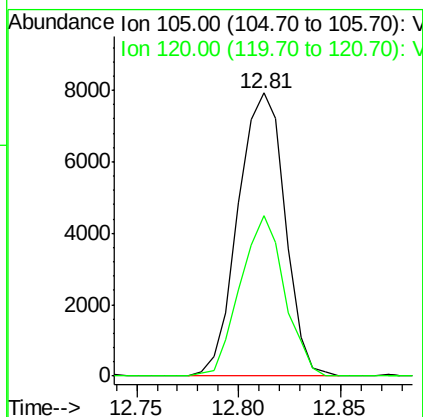
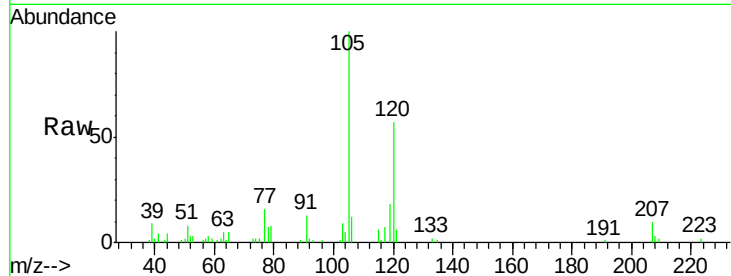
#62
 1,3,5-Trimethylbenzene
 Concen: 1.144 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL01

Tot Ion:105 Resp: 12669
 Ion Ratio Lower Upper
 105 100
 120 53.4 40.4 60.6

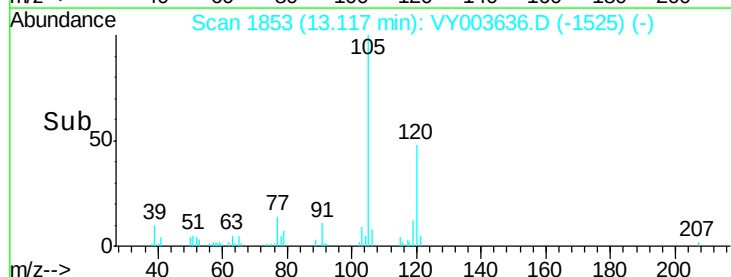
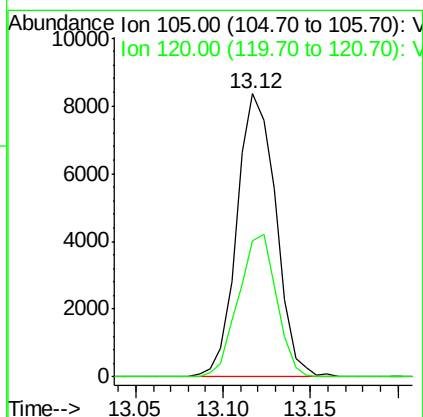
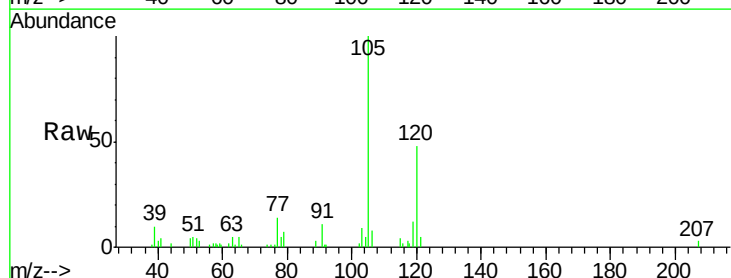
Manual Integrations
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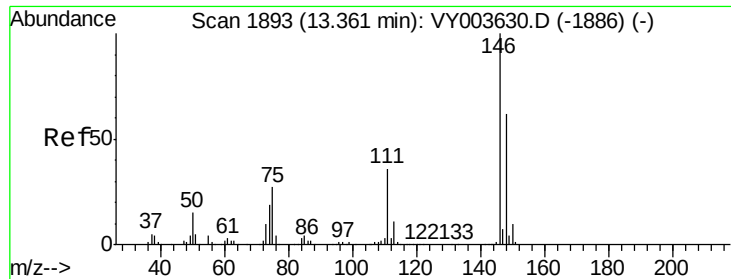
MMDadoda
 12/2/2020 1:29:08 PM



#63
 1,2,4-Trimethylbenzene
 Concen: 1.181 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion:105 Resp: 12915
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.0 57.0





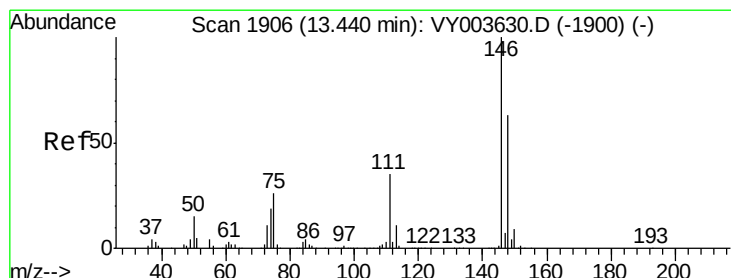
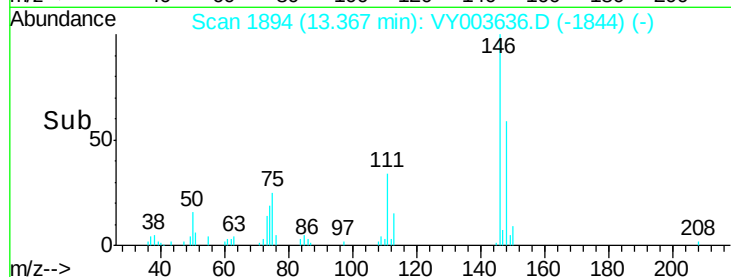
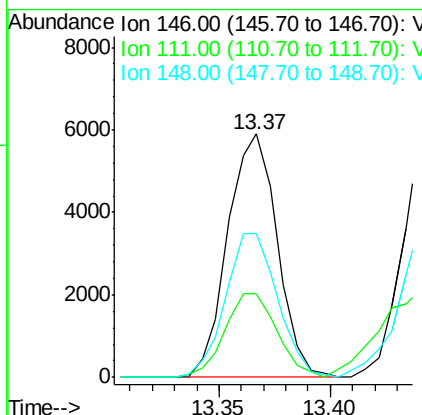
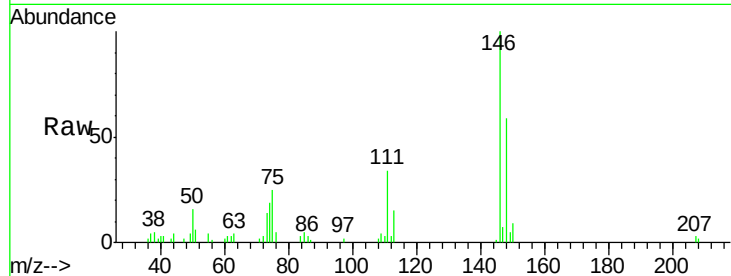
#64
 1,3-Dichlorobenzene
 Concen: 1.351 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	26.6	49.4
148	58.8	46.3	86.1

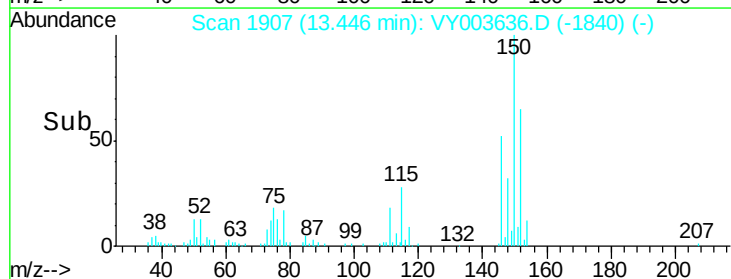
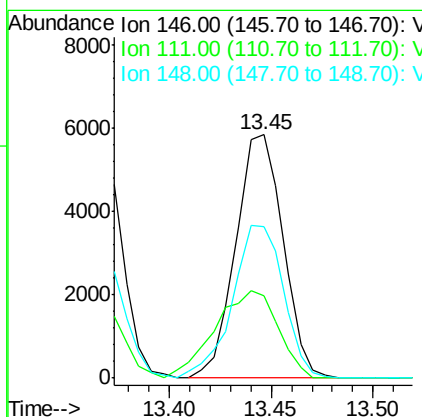
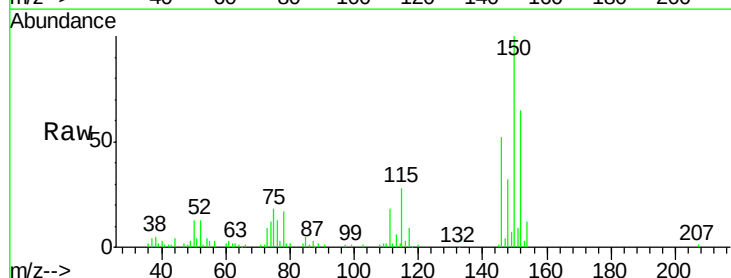
Manual Integrations
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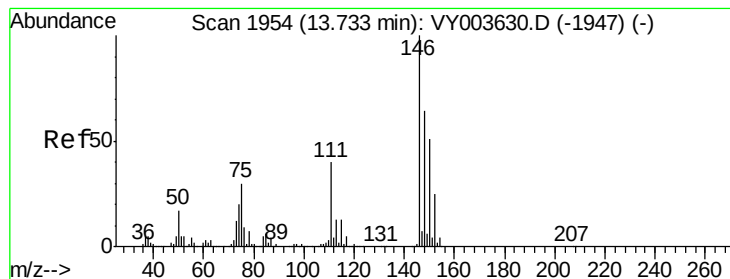
MMDadoda
 12/2/2020 1:29:08 PM



#65
 1,4-Dichlorobenzene
 Concen: 1.376 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	24.7	45.9
148	62.0	43.4	80.6





#67

1,2-Dichlorobenzene

Concen: 1.289 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.01 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

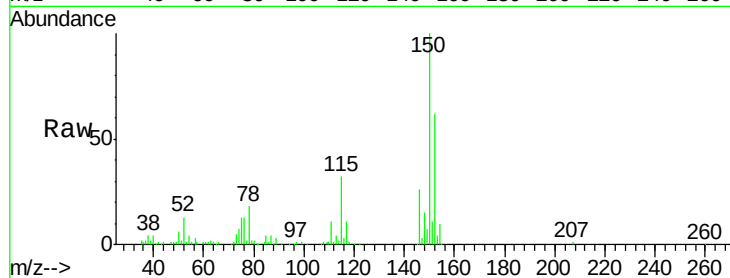
ClientSampled :

MDL01

Tot Ion:	146	Resp:	8178
Ion Ratio	Lower	Upper	
146	100		
111	43.0	31.0	46.6
148	59.1	51.0	76.4

Manual Integrations
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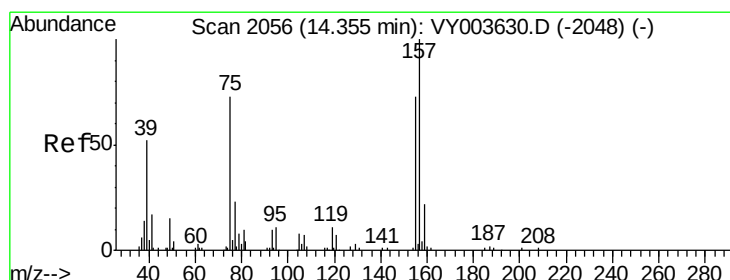
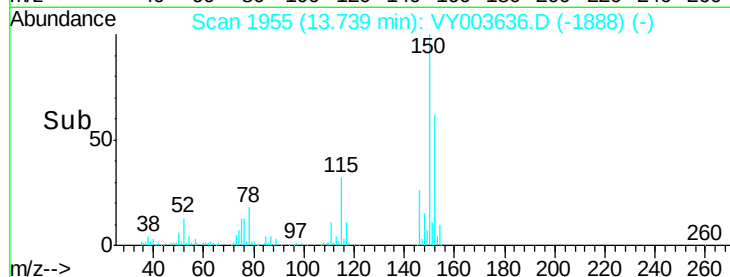
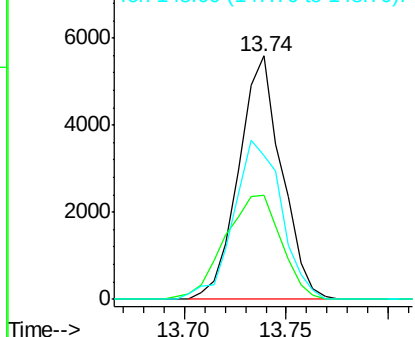
MMDadoda
12/2/2020 1:29:08 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 1.348 ug/L m

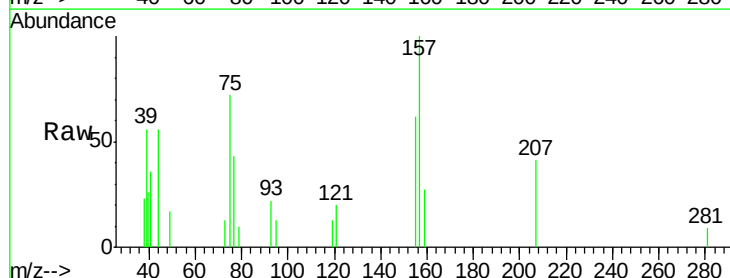
RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

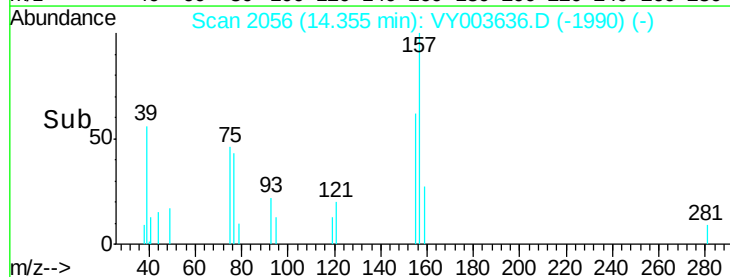
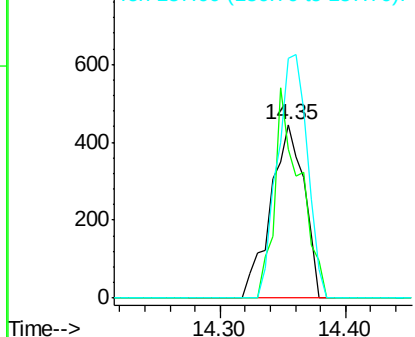
Tgt Ion:	75	Resp:	817
Ion Ratio	Lower	Upper	
75	100		
155	85.8	73.4	110.0
157	138.4	98.1	147.1

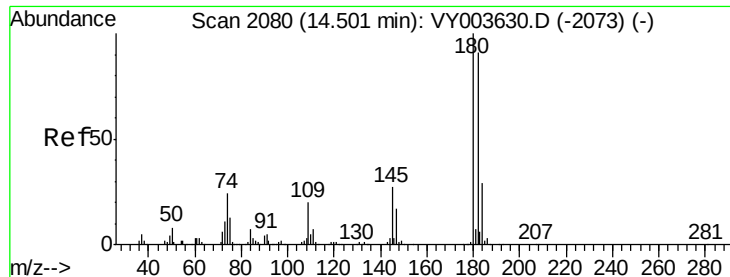


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





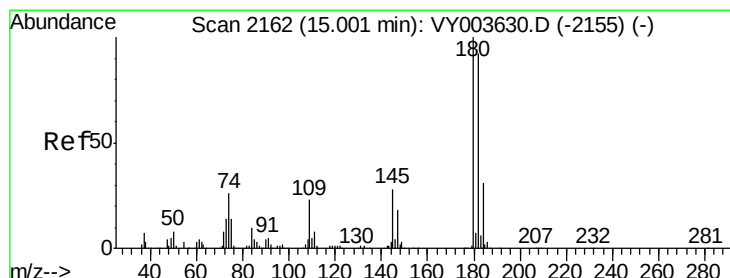
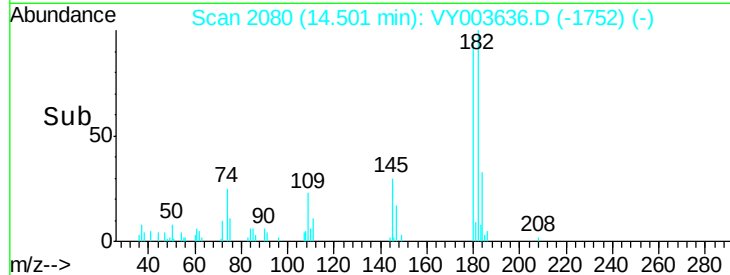
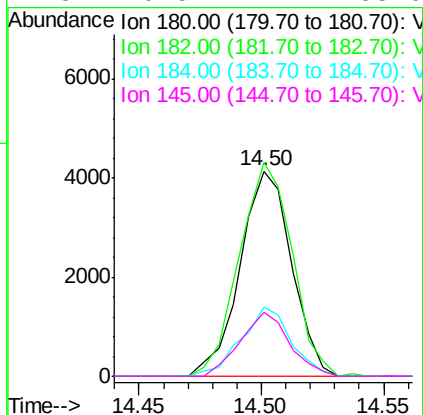
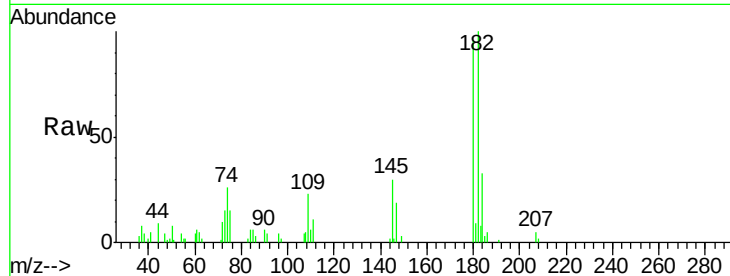
#69
 1,3,5-Trichlorobenzene
 Concen: 1.275 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6051		
182	106.4		75.4	113.0
184	32.5		24.1	36.1
145	29.5		22.4	33.6

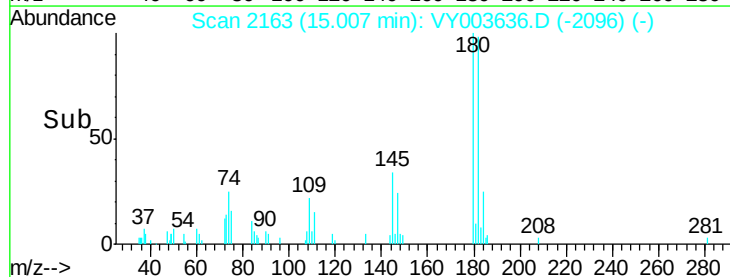
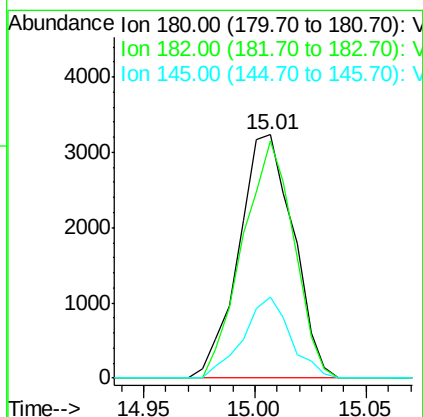
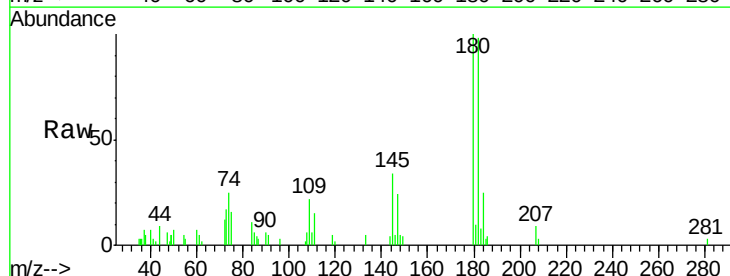
Manual Integrations
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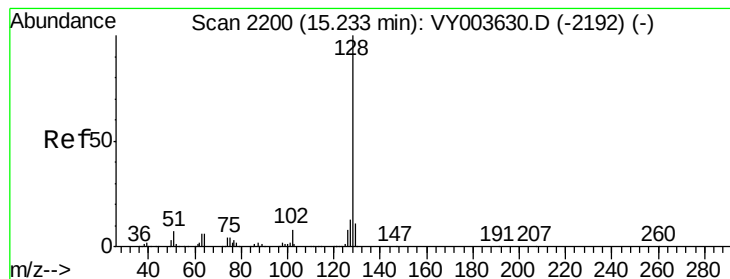
MMDadoda
 12/2/2020 1:29:08 PM



#70
 1,2,4-trichlorobenzene
 Concen: 1.367 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003636.D
 Acq: 01 Dec 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5527		
182	91.1		76.1	114.1
145	29.1		22.8	34.2





#71

Naphthalene

Concen: 1.107 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Instrument :

MSVOA_Y

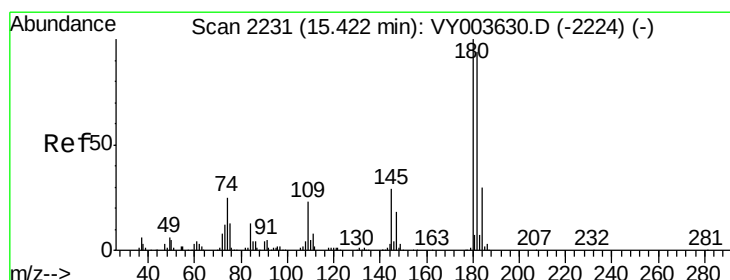
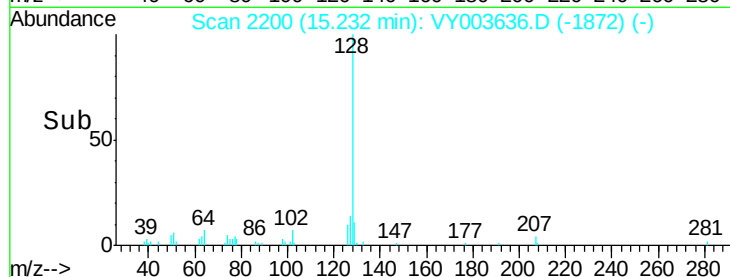
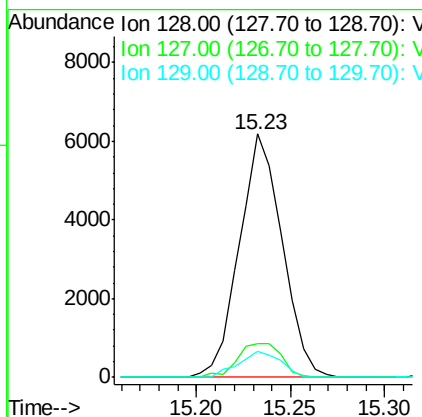
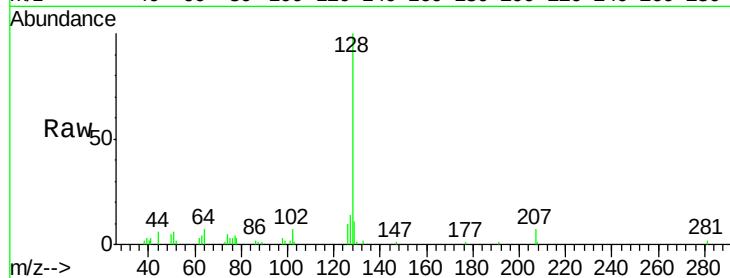
ClientSampleId :

MDL01

Tot Ion:	128	Resp:	9766
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	10.3	8.5	12.7

Manual Integrations
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MMDadoda
12/2/2020 1:29:08 PM



#72

1,2,3-Trichlorobenzene

Concen: 1.378 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003636.D

Acq: 01 Dec 2020 16:21

Tgt Ion:	180	Resp:	5116
Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.2	114.4
145	32.8	23.6	35.4

