

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002653.D
 Acq On : 11 May 2020 11:16
 Operator : SY/MD
 Sample : VY0511SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/12/2020 12:10:03 PM

Quant Time: May 11 17:13:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	401890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	598341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	528042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	268087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	155804	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.74	113	172018	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.19	98	681145	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.49	95	229874	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47023	15.439	ug/l	99
3) Chloromethane	2.13	50	58952	18.105	ug/l	99
4) Vinyl Chloride	2.27	62	67106	17.849	ug/l	99
5) Bromomethane	2.66	94	46551	17.954	ug/l	98
6) Chloroethane	2.80	64	40271	17.939	ug/l	93
7) Trichlorofluoromethane	3.15	101	108106	18.552	ug/l	95
8) Diethyl Ether	3.55	74	36967	18.878	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	68839	19.330	ug/l	99
10) Methyl Iodide	4.11	142	83999	17.313	ug/l	98
11) Tert butyl alcohol	4.99	59	30464	87.626	ug/l	99
12) 1,1-Dichloroethene	3.90	96	66685	19.275	ug/l	98
13) Acrolein	3.75	56	16325	67.906	ug/l	95
14) Allyl chloride	4.50	41	101406	20.117	ug/l	96
15) Acrylonitrile	5.20	53	83549	90.476	ug/l	99
16) Acetone	3.97	43	56921	81.621	ug/l	94
17) Carbon Disulfide	4.22	76	175467	16.859	ug/l	99
18) Methyl Acetate	4.51	43	41216	17.688	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	169630	18.793	ug/l	97
20) Methylene Chloride	4.74	84	71761	18.401	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	73104	19.333	ug/l	96
22) Diisopropyl ether	6.14	45	205799	20.178	ug/l	97
23) Vinyl Acetate	6.09	43	600147	93.563	ug/l	99
24) 1,1-Dichloroethane	6.05	63	121114	20.072	ug/l	98
25) 2-Butanone	7.01	43	100645	88.163	ug/l	100
26) 2,2-Dichloropropane	7.01	77	112596	19.632	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	82615	19.745	ug/l	98
28) Bromochloromethane	7.36	49	49463	20.007	ug/l	98
29) Tetrahydrofuran	7.37	42	68101	90.166	ug/l	100
30) Chloroform	7.53	83	126831	20.215	ug/l	99
31) Cyclohexane	7.81	56	112581	18.536	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	113921	19.536	ug/l	99
36) 1,1-Dichloropropene	7.94	75	96905	19.319	ug/l	99
37) Ethyl Acetate	7.10	43	45712	17.734	ug/l	99
38) Carbon Tetrachloride	7.92	117	105013	19.176	ug/l	98

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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	124674	18.818	ug/l	98
40) Benzene	8.18	78	283808	19.590	ug/l	99
41) Methacrylonitrile	7.35	41	28460m	20.536	ug/l	
42) 1,2-Dichloroethane	8.26	62	73663	18.127	ug/l	99
43) Isopropyl Acetate	8.29	43	86488	17.898	ug/l	99
44) Trichloroethene	8.96	130	90243	19.932	ug/l	97
45) 1,2-Dichloropropane	9.24	63	69638	19.917	ug/l	100
46) Dibromomethane	9.32	93	37590	18.686	ug/l	100
47) Bromodichloromethane	9.51	83	93796	19.175	ug/l	97
48) Methyl methacrylate	9.31	41	39579	18.098	ug/l	100
49) 1,4-Dioxane	9.31	88	9723	365.040	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	233571	93.777	ug/l	99
52) Toluene	10.25	92	181815	19.528	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	98088	19.139	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	115517	19.497	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	56841	19.376	ug/l	98
56) Ethyl methacrylate	10.52	69	73833	18.919	ug/l	96
57) 1,3-Dichloropropane	10.80	76	93655	18.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	202278	98.286	ug/l	100
59) 2-Hexanone	10.85	43	154208	89.955	ug/l	100
60) Dibromochloromethane	11.00	129	70994	19.027	ug/l	99
61) 1,2-Dibromoethane	11.10	107	54085	18.619	ug/l	99
64) Tetrachloroethene	10.73	164	102507	21.849	ug/l	99
65) Chlorobenzene	11.53	112	204503	20.373	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	77657	20.841	ug/l	98
67) Ethyl Benzene	11.60	91	359469	20.387	ug/l	99
68) m/p-Xylenes	11.71	106	274544	40.241	ug/l	100
69) o-Xylene	12.04	106	129691	20.302	ug/l	99
70) Styrene	12.05	104	221405	20.274	ug/l	99
71) Bromoform	12.22	173	44581	19.276	ug/l #	98
73) Isopropylbenzene	12.34	105	362295	20.852	ug/l	100
74) N-amyl acetate	12.16	43	80016	19.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	49974	18.086	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	42231m	17.726	ug/l	
77) Bromobenzene	12.62	156	86652	19.962	ug/l	98
78) n-propylbenzene	12.68	91	413985	20.532	ug/l	100
79) 2-Chlorotoluene	12.77	91	232966	20.859	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	298473	20.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21982	18.502	ug/l	97
82) 4-Chlorotoluene	12.86	91	234932	20.025	ug/l	100
83) tert-Butylbenzene	13.08	119	269692	21.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	296481	20.656	ug/l	99
85) sec-Butylbenzene	13.27	105	363501	20.744	ug/l	100
86) p-Isopropyltoluene	13.38	119	341329	20.789	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	168059	20.456	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	166010	20.406	ug/l	99
89) n-Butylbenzene	13.70	91	311349	20.830	ug/l	100
90) Hexachloroethane	13.97	117	63217	21.142	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	147523	20.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9166	17.795	ug/l	96

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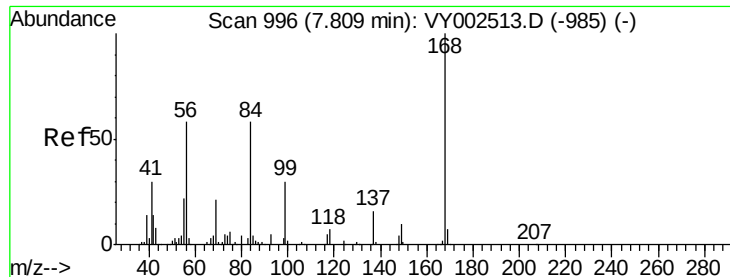
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	106318	19.975	ug/l	100
94) Hexachlorobutadiene	15.12	225	65521	20.509	ug/l	99
95) Naphthalene	15.25	128	181639	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	87692	19.408	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion:168 Resp: 401890

Ion Ratio Lower Upper

168 100

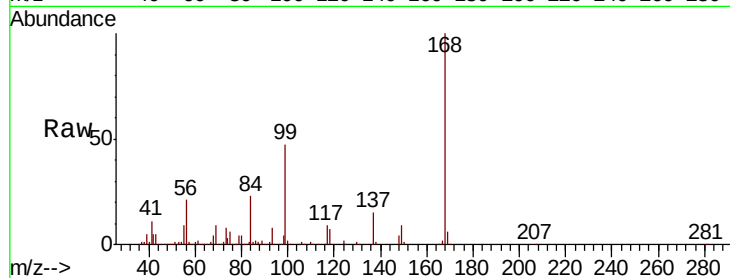
99 47.1 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

200000

150000

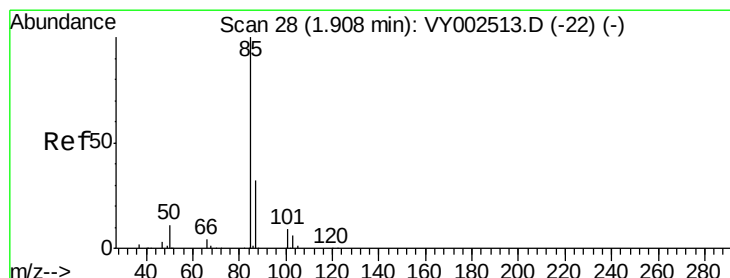
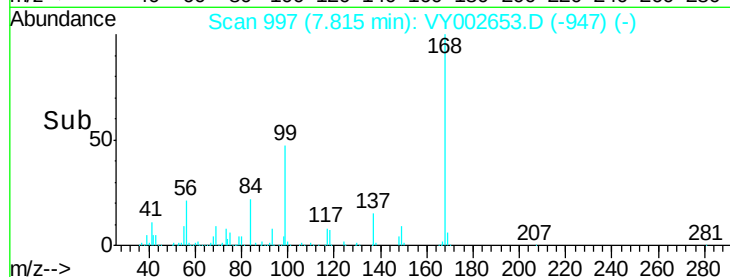
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.439 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002653.D

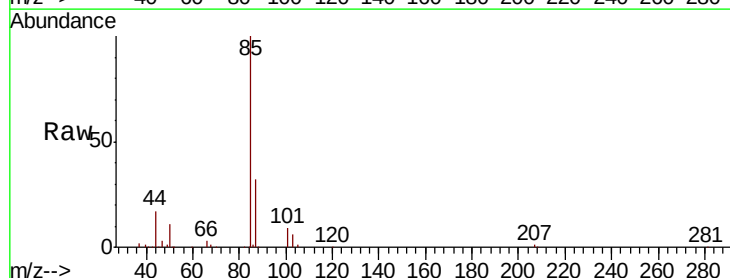
Acq: 11 May 2020 11:16

Tgt Ion: 85 Resp: 47023

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

40000

30000

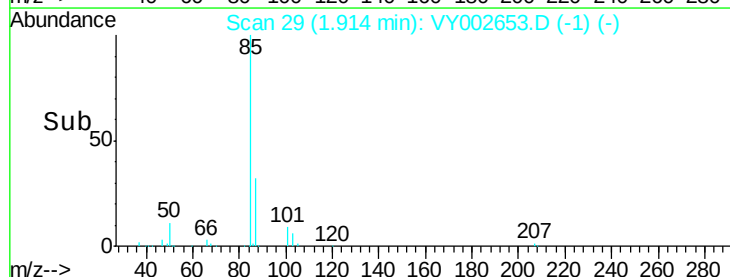
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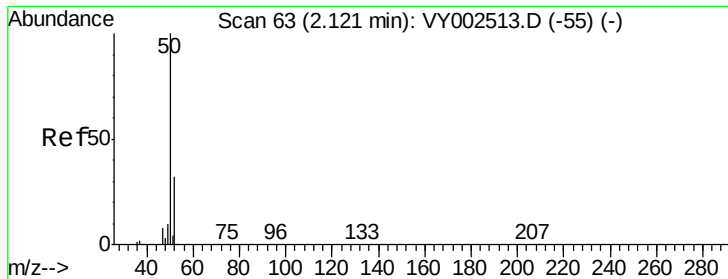
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 18.105 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion: 50 Resp: 58952

Ion Ratio Lower Upper

50 100

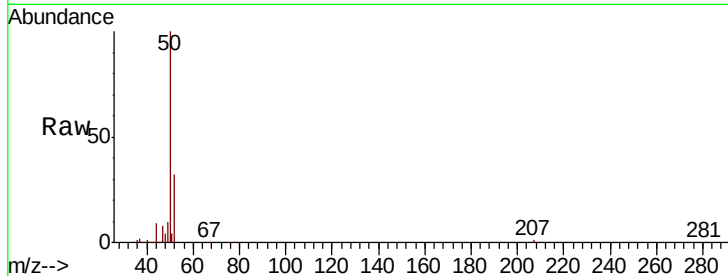
52 31.9 25.9 38.9

Manual Integrations

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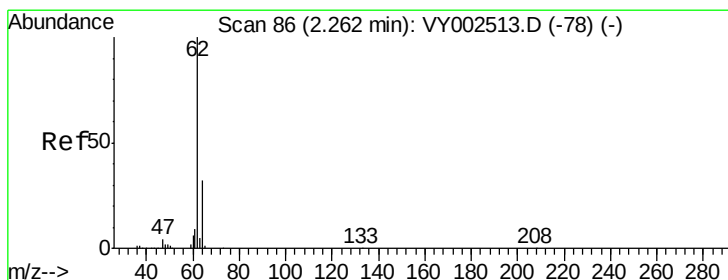
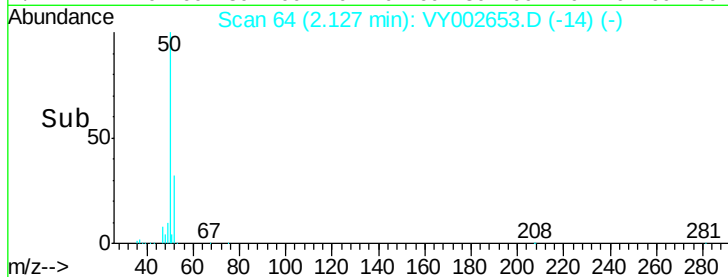
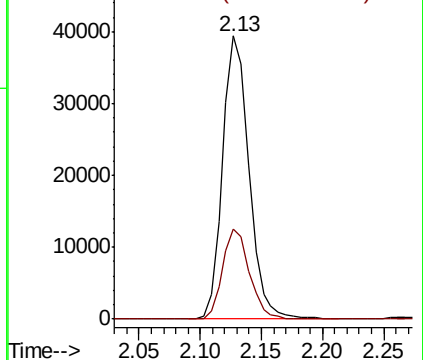
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 17.849 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002653.D

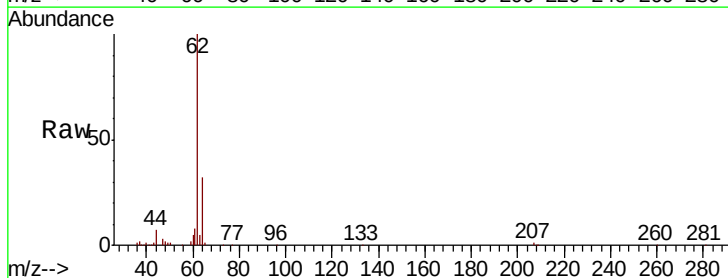
Acq: 11 May 2020 11:16

Tgt Ion: 62 Resp: 67106

Ion Ratio Lower Upper

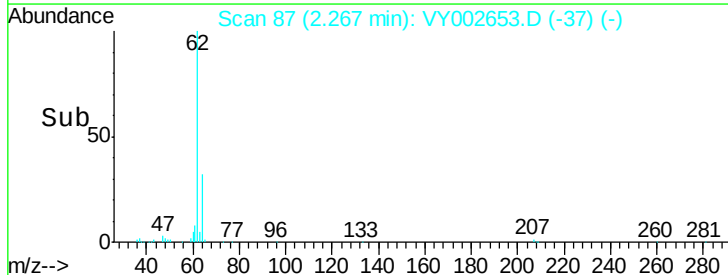
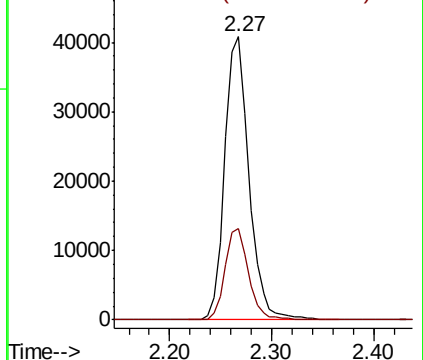
62 100

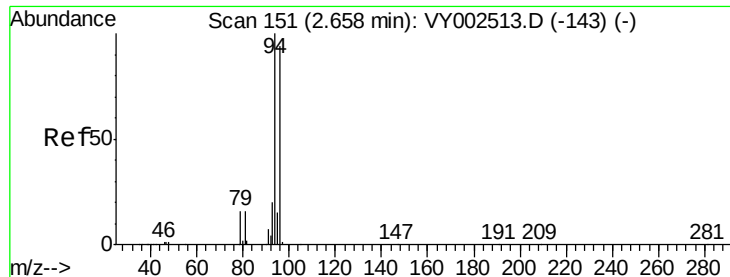
64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.954 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion: 94 Resp: 46551

Ion Ratio Lower Upper

94 100

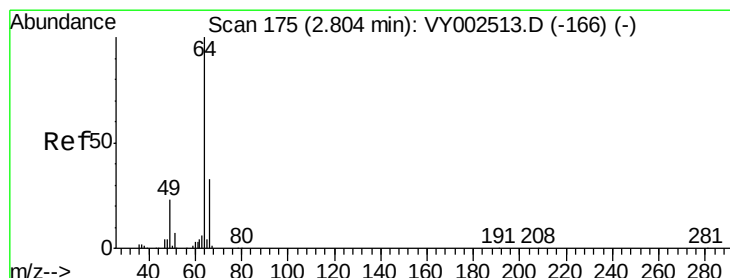
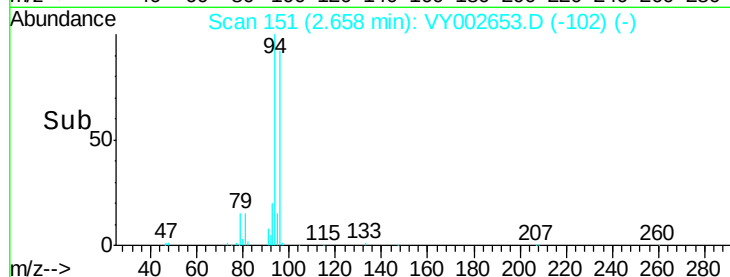
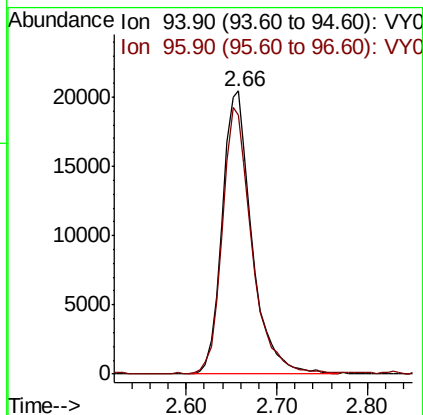
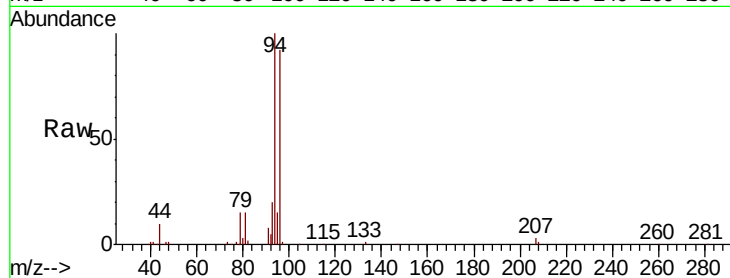
96 91.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.939 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002653.D

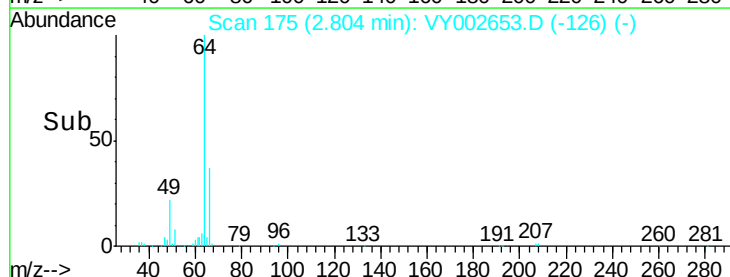
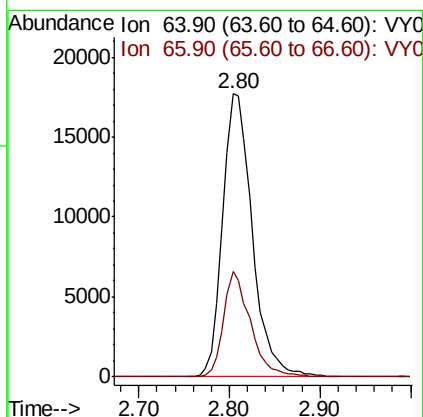
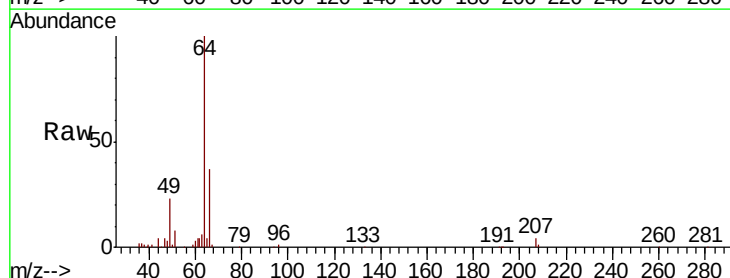
Acq: 11 May 2020 11:16

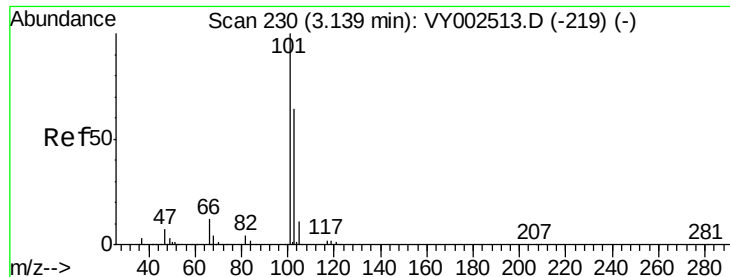
Tgt Ion: 64 Resp: 40271

Ion Ratio Lower Upper

64 100

66 37.1 26.3 39.5





#7

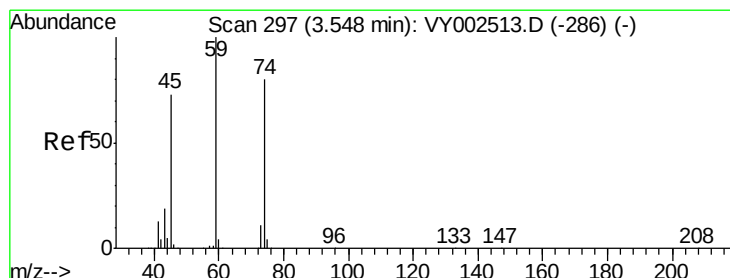
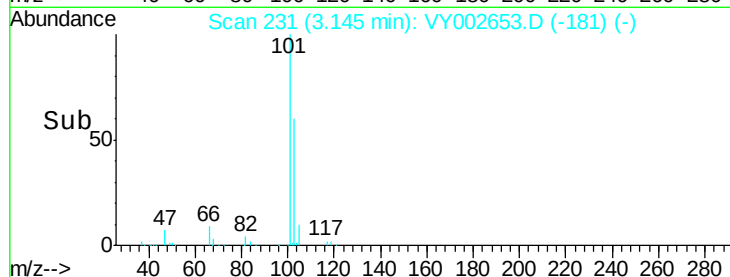
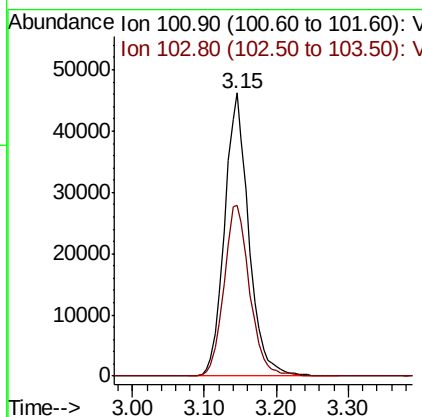
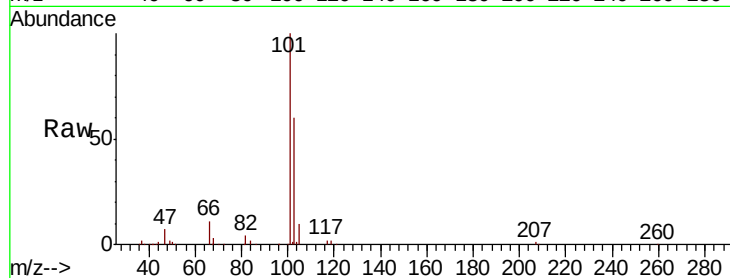
Trichlorofluoromethane
Concen: 18.552 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108106		
103	60.2	51.4	77.0	

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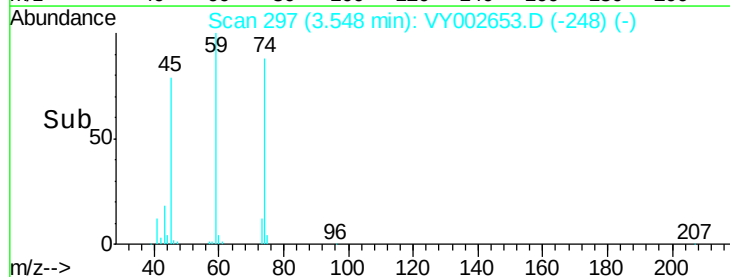
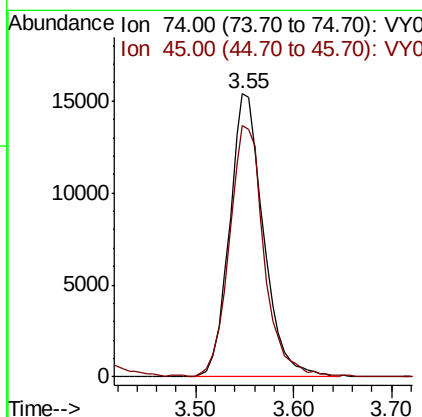
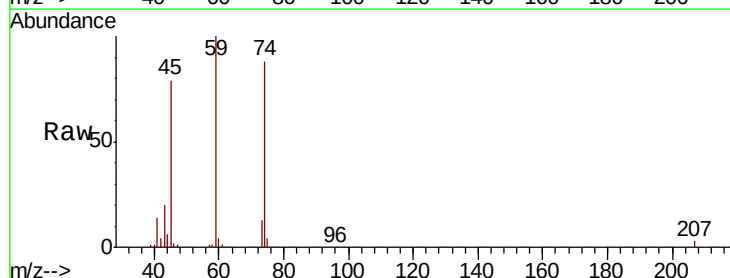
MMDadoda
5/12/2020 12:10:03 PM

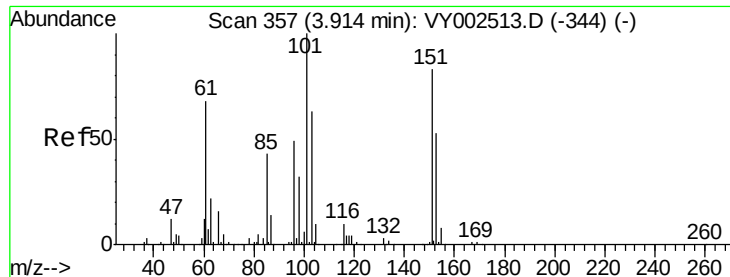


#8

Diethyl Ether
Concen: 18.878 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36967		
45	91.2	46.2	138.5	





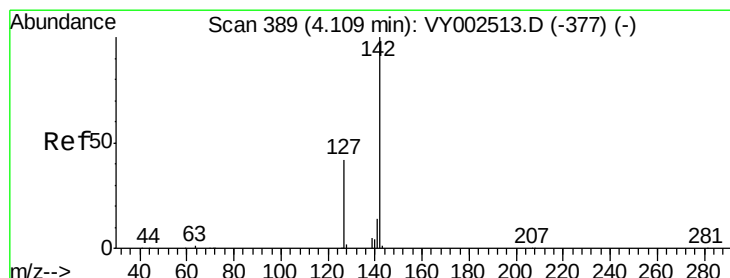
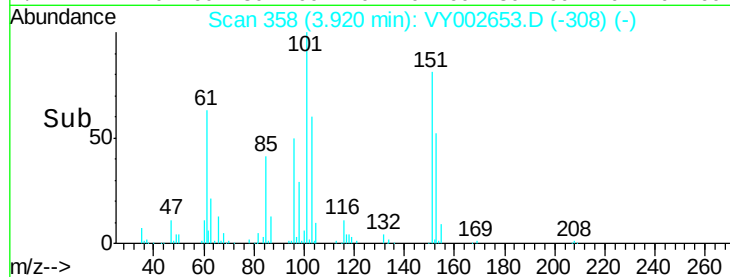
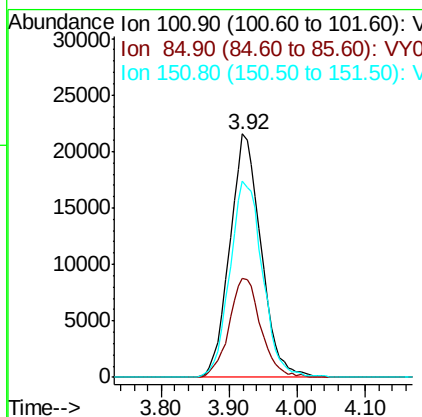
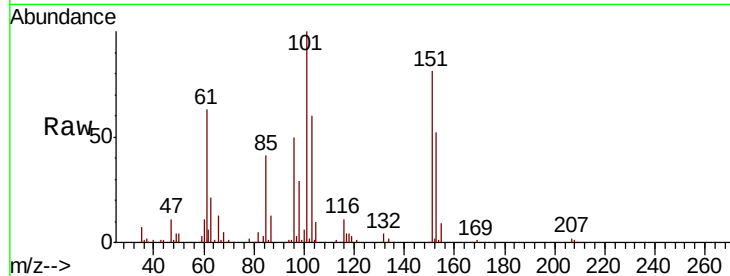
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.330 ug/l
 RT: 3.92 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	68839		
85	41.1		33.4	50.2
151	83.9		66.8	100.2

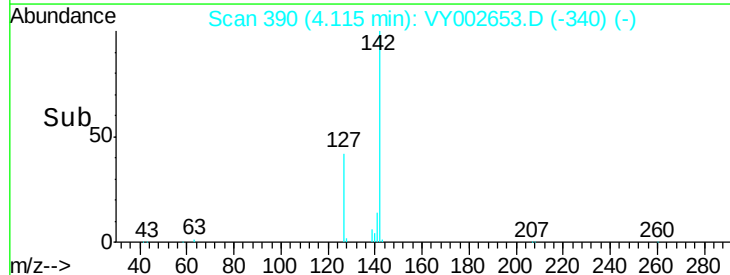
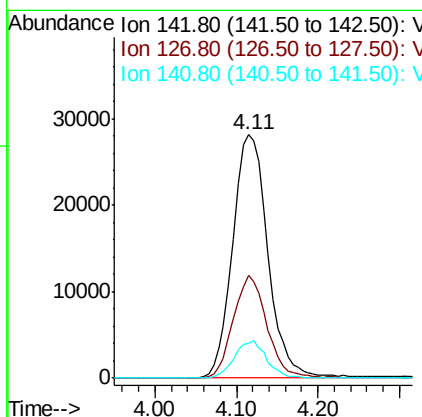
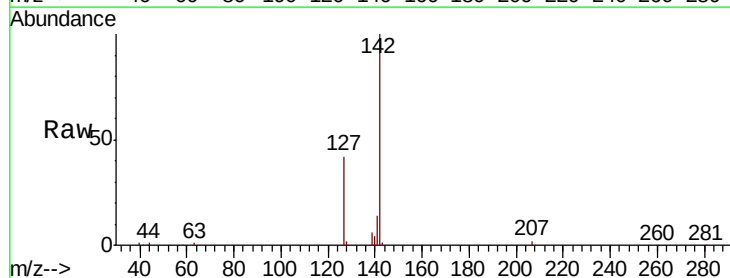
Manual Integrations
 APPROVED

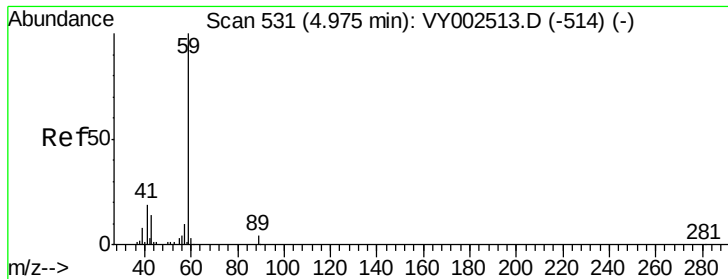
MMDadoda
 5/12/2020 12:10:03 PM



#10
 Methyl Iodide
 Concen: 17.313 ug/l
 RT: 4.11 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	83999		
127	40.5		33.7	50.5
141	14.1		11.4	17.0





#11

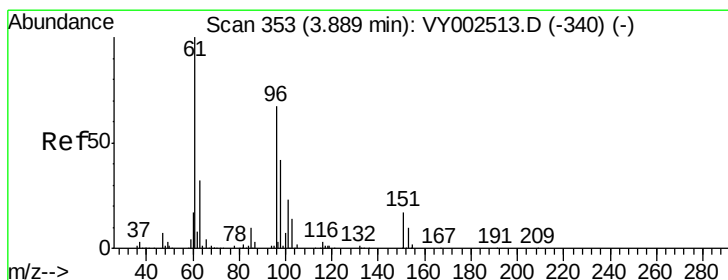
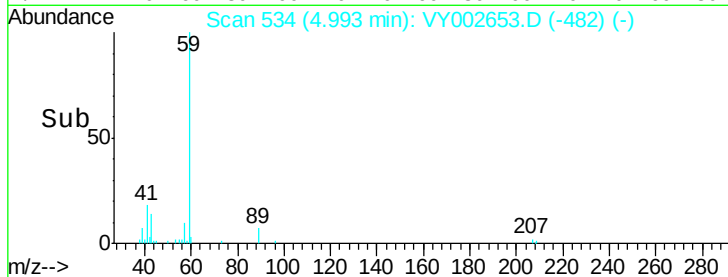
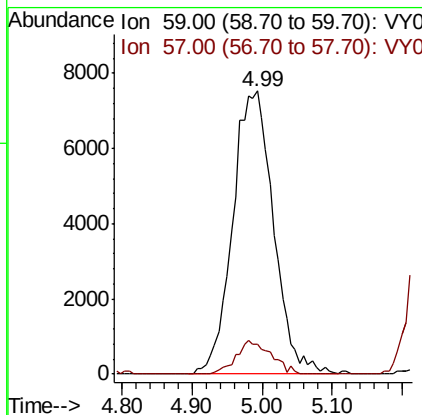
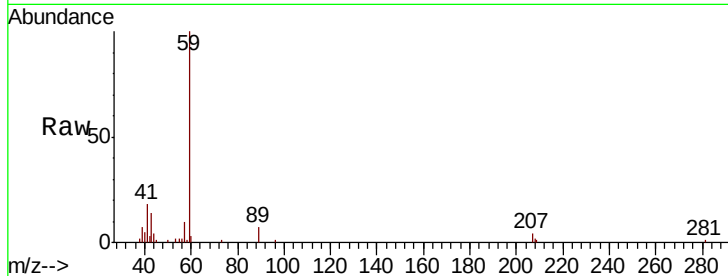
Tert butyl alcohol
Concen: 87.626 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.2	7.8	11.6

Manual Integrations
APPROVED

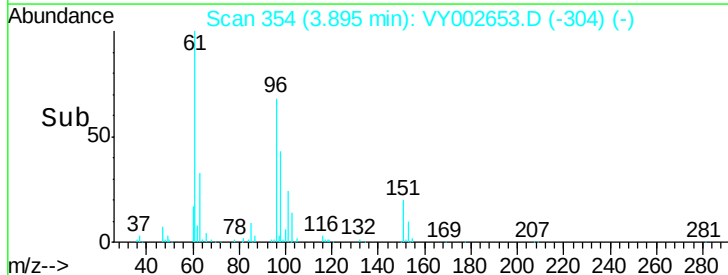
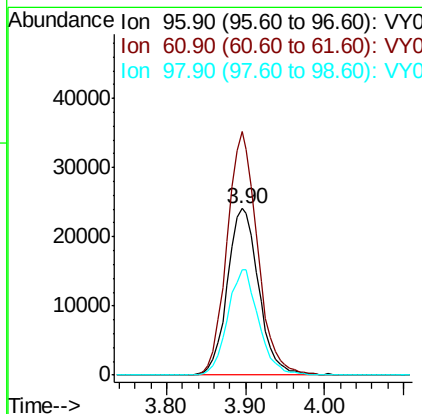
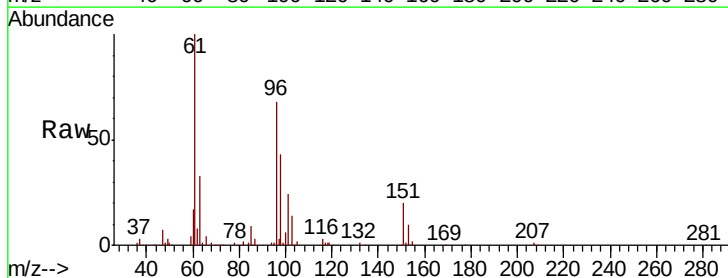
MMDadoda
5/12/2020 12:10:03 PM

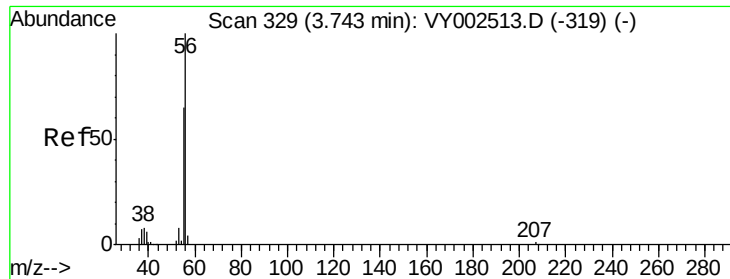


#12

1,1-Dichloroethene
Concen: 19.275 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	146.1	118.8	178.2
98	98	63.1	49.6	74.4





#13

Acrolein

Concen: 67.906 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion: 56 Resp: 16325

Ion Ratio Lower Upper

56 100

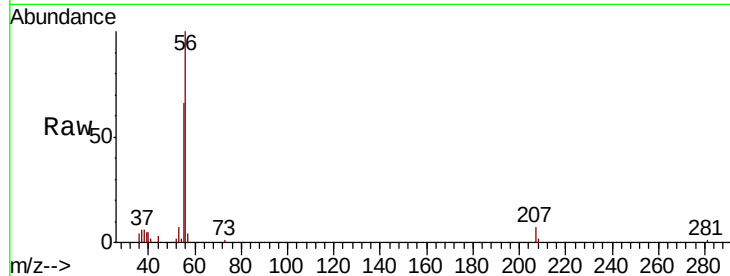
55 71.5 53.8 80.6

Manual Integrations

APPROVED

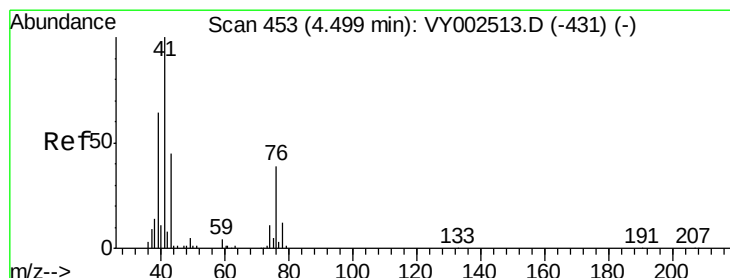
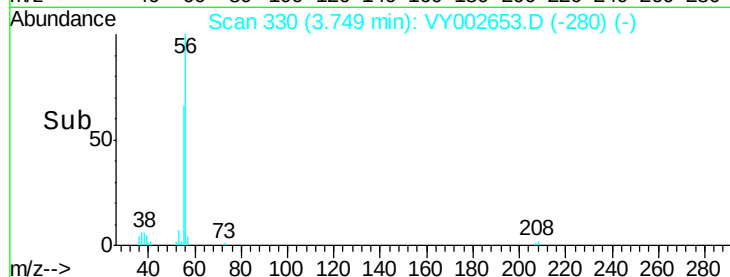
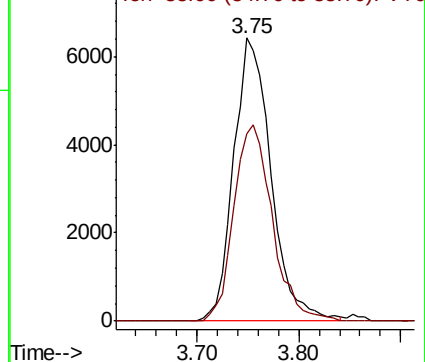
MMDadoda

5/12/2020 12:10:03 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.117 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

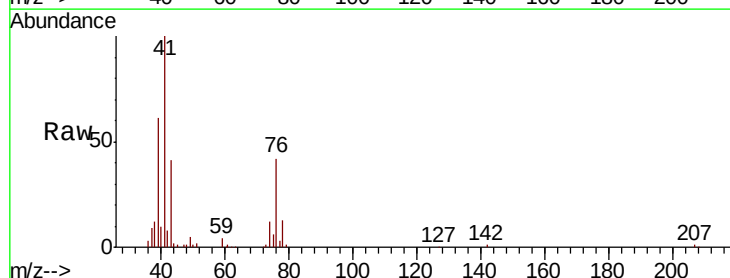
Tgt Ion: 41 Resp: 101406

Ion Ratio Lower Upper

41 100

39 60.0 51.8 77.6

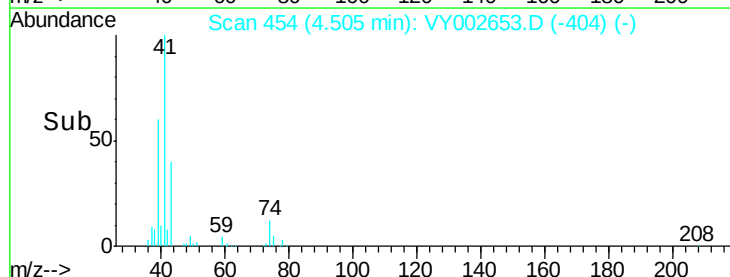
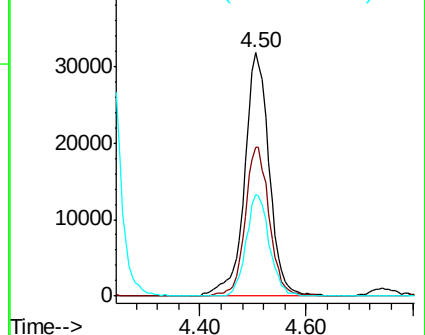
76 39.3 31.7 47.5

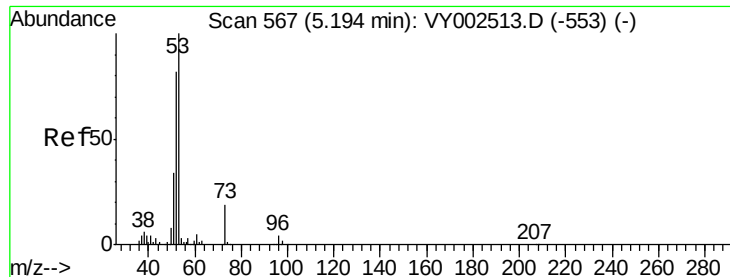


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 90.476 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

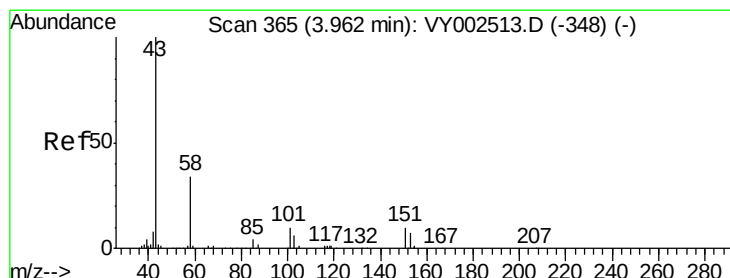
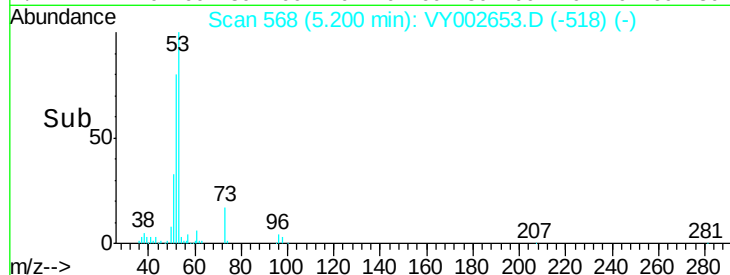
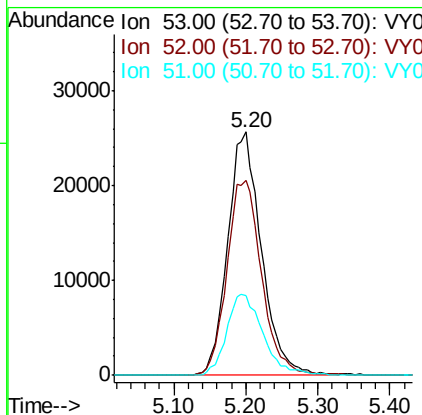
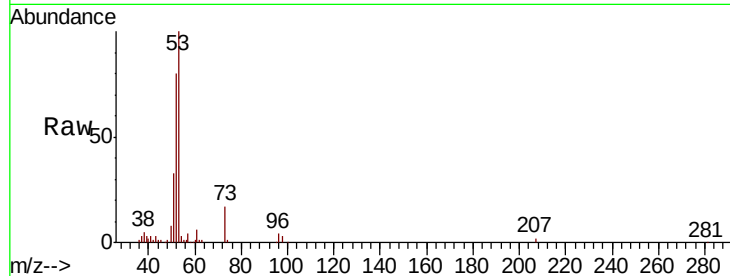
ClientSampleId :

VY0511SBS01

Tot Ion:	53	Resp:	83549
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.4	98.0
51	35.8	28.7	43.1

Manual Integrations
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MMDadoda
5/12/2020 12:10:03 PM



#16

Acetone

Concen: 81.621 ug/l

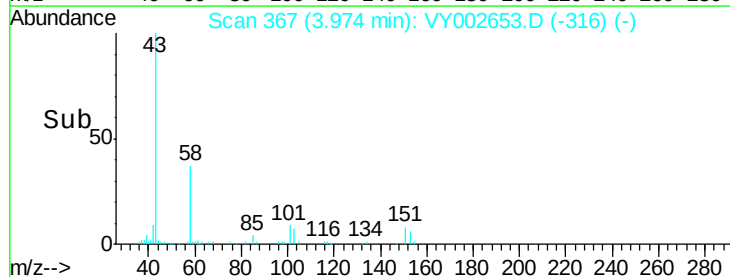
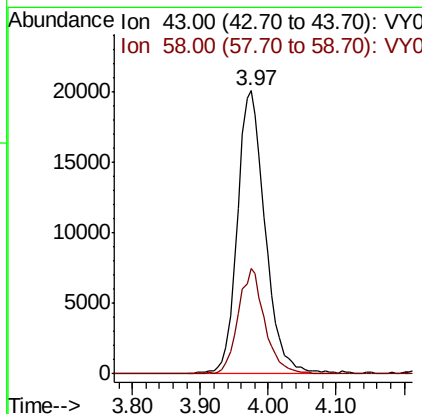
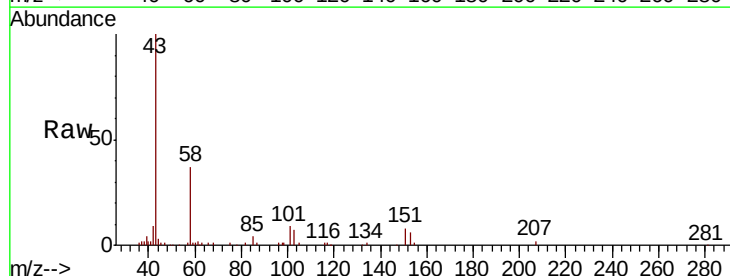
RT: 3.97 min Scan# 367

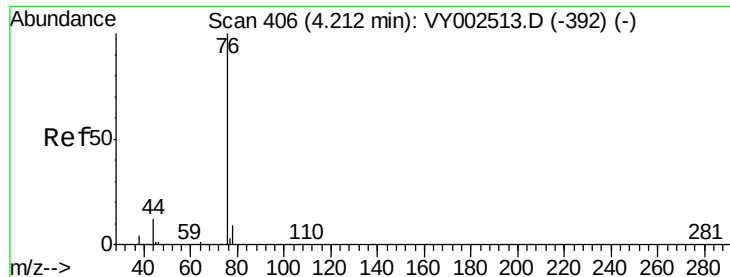
Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tgt Ion:	43	Resp:	56921
Ion Ratio	Lower	Upper	
43	100		
58	37.3	26.9	40.3





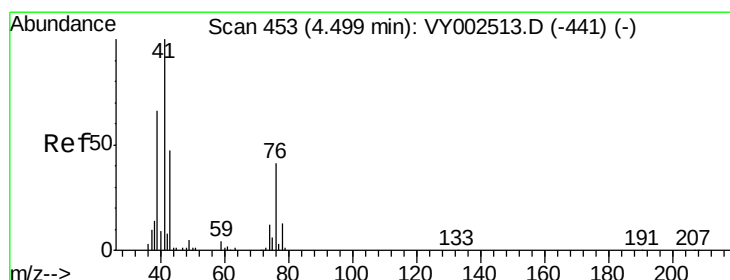
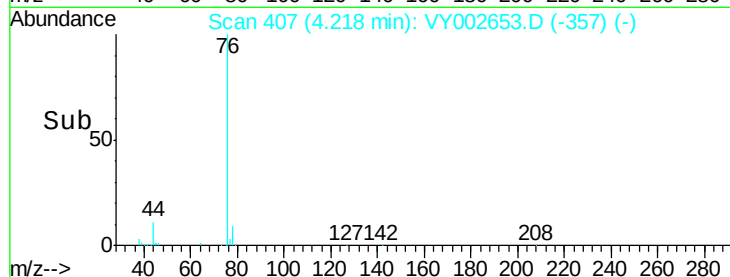
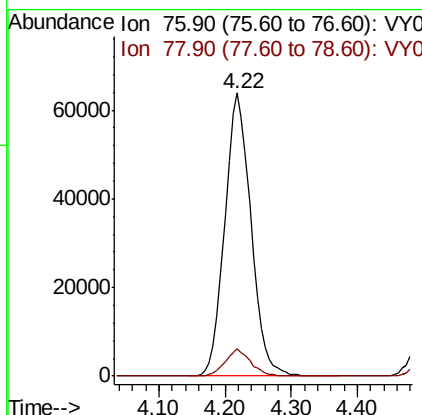
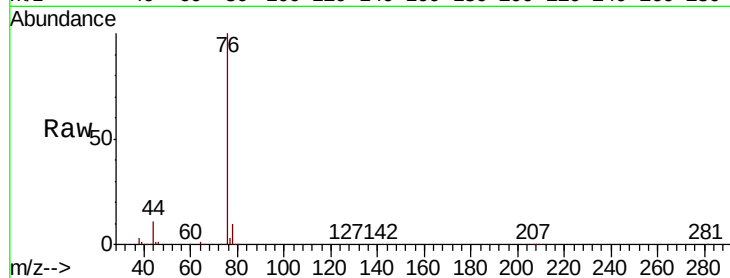
#17
Carbon Disulfide
Concen: 16.859 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

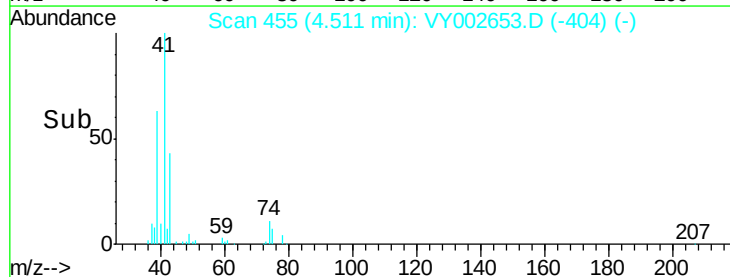
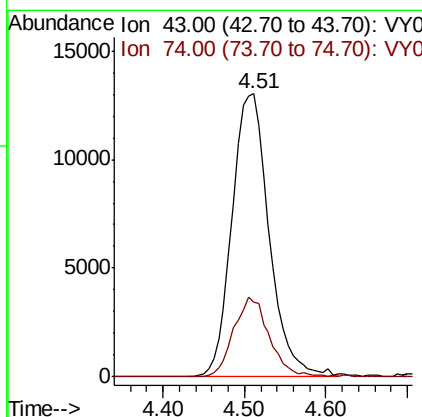
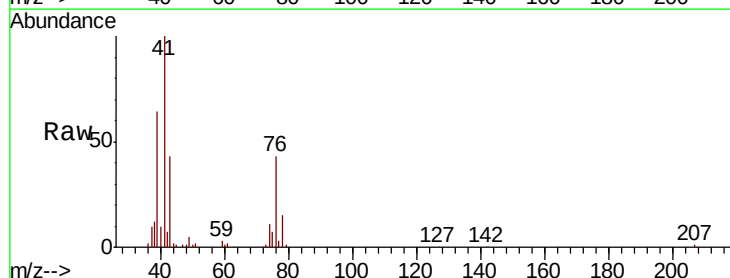
Manual Integrations
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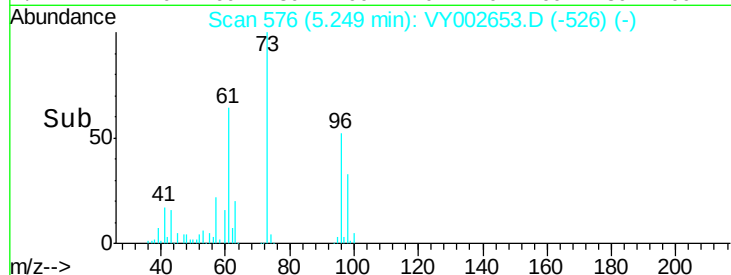
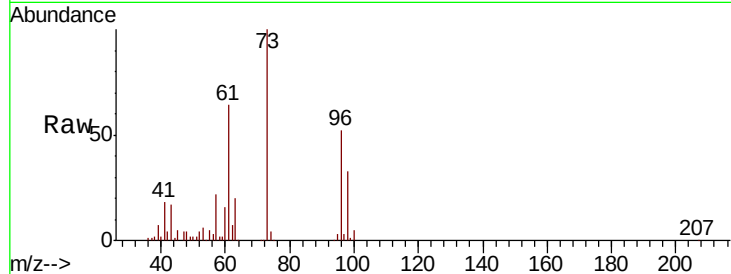
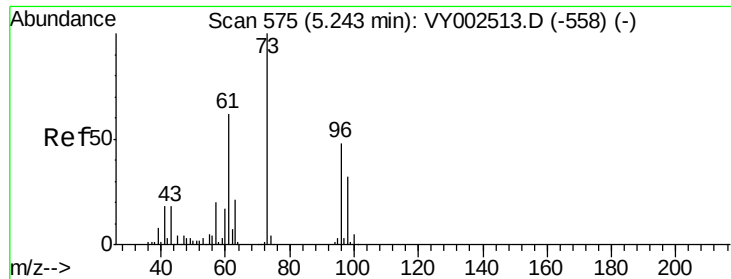
MMDadoda
5/12/2020 12:10:03 PM



#18
Methyl Acetate
Concen: 17.688 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.2	31.8





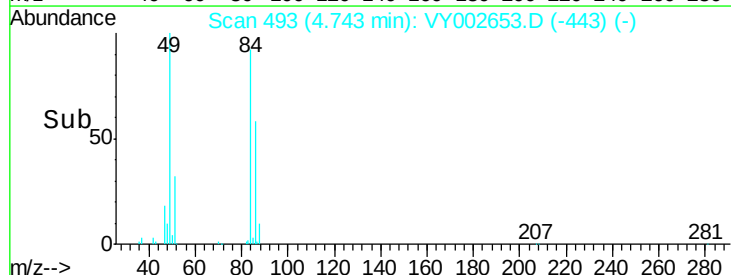
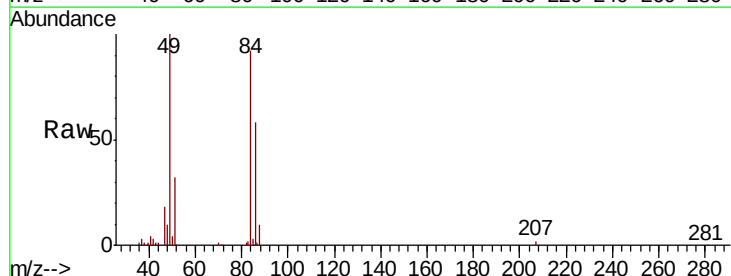
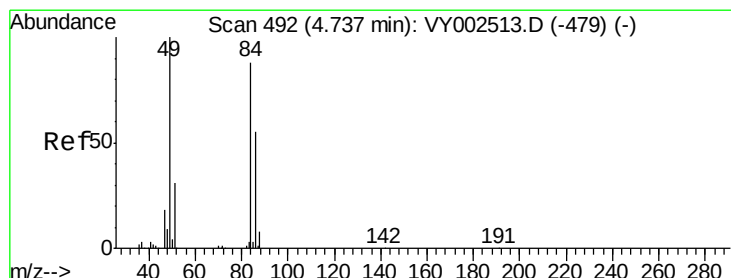
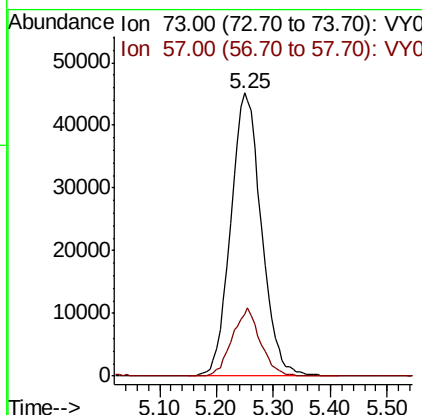
#19
Methyl tert-butyl Ether
Concen: 18.793 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tot Ion: 73 Resp: 169630
Ion Ratio Lower Upper
73 100
57 21.9 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

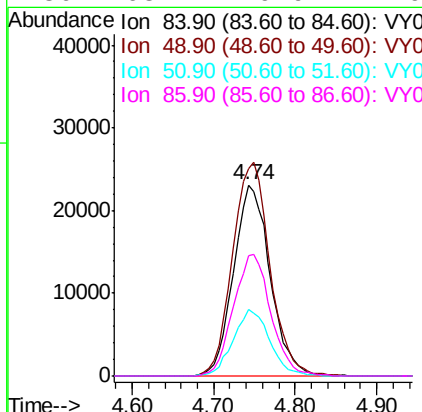
Manual Integrations
APPROVED

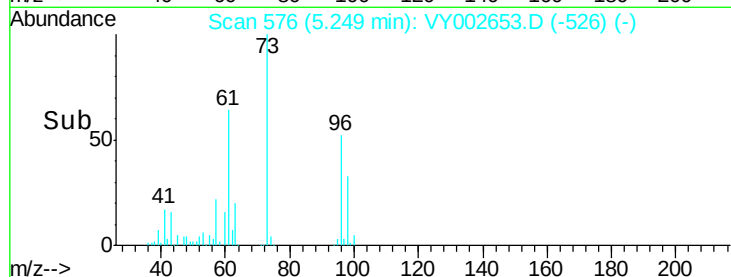
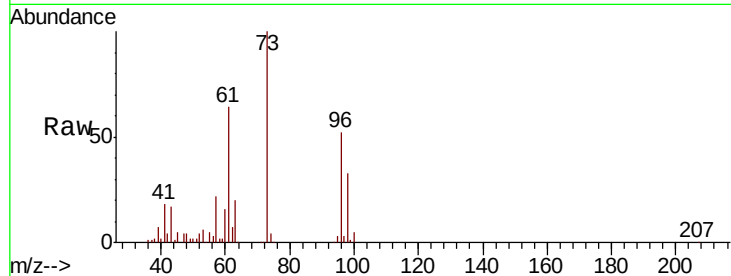
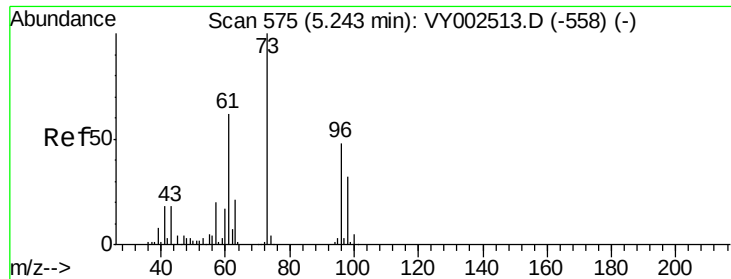
MMDadoda
5/12/2020 12:10:03 PM



#20
Methylene Chloride
Concen: 18.401 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion: 84 Resp: 71761
Ion Ratio Lower Upper
84 100
49 108.4 90.5 135.7
51 34.8 28.3 42.5
86 63.4 49.9 74.9





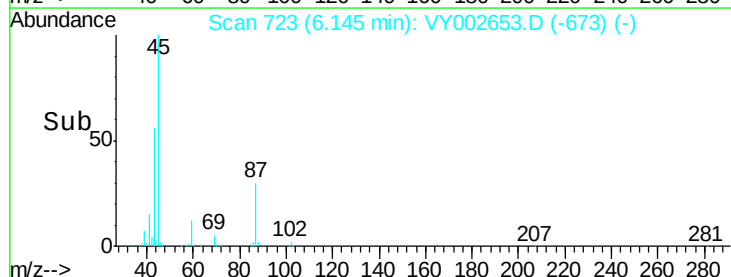
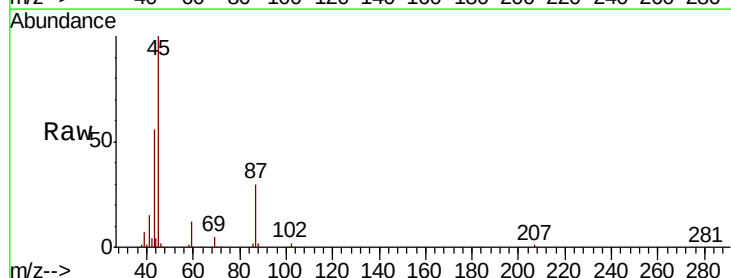
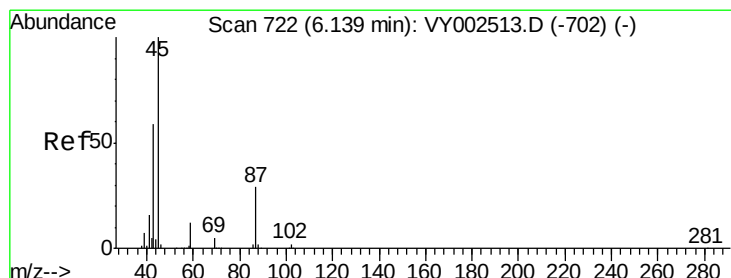
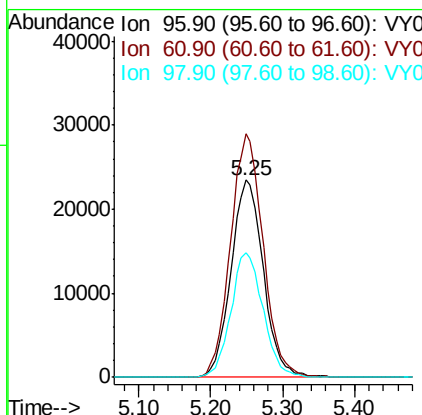
#21
trans-1,2-Dichloroethene
Concen: 19.333 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	102.0	153.0
98	63.1	53.0	79.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

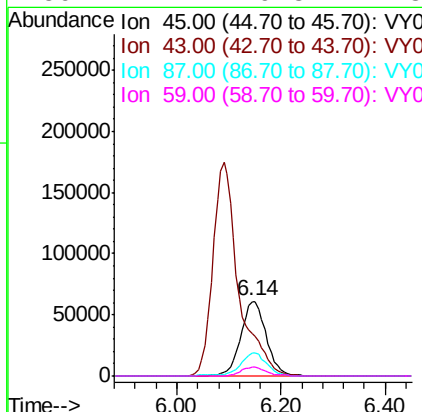
Manual Integrations
APPROVED

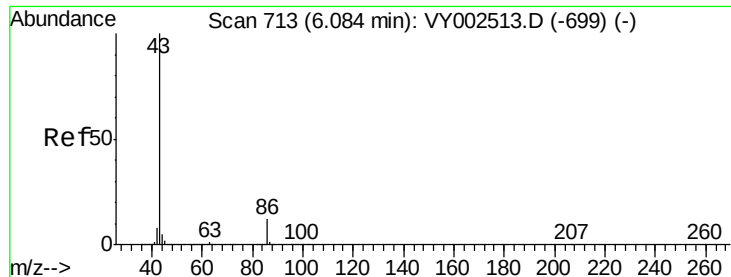
MMDadoda
5/12/2020 12:10:03 PM



#22
Diisopropyl ether
Concen: 20.178 ug/l
RT: 6.14 min Scan# 723
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	47.4	71.0
87	30.1	24.0	36.0
59	12.4	9.8	14.8





#23

Vinyl Acetate

Concen: 93.563 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion: 43 Resp: 600147

Ion Ratio Lower Upper

43 100

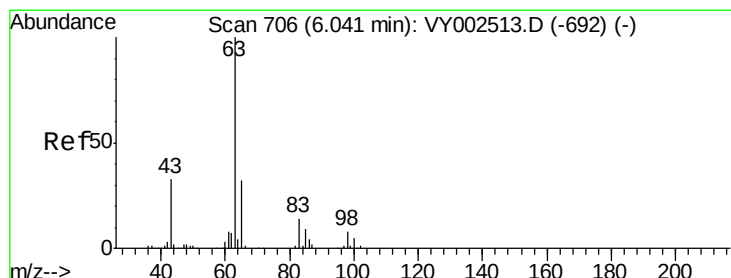
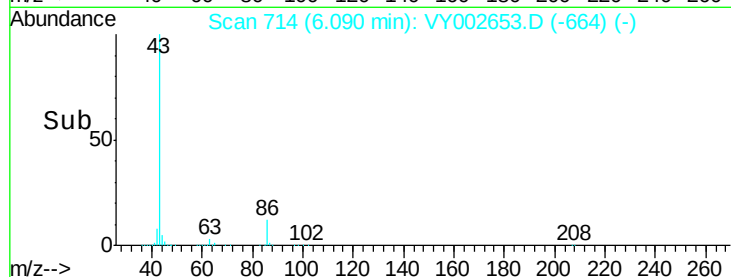
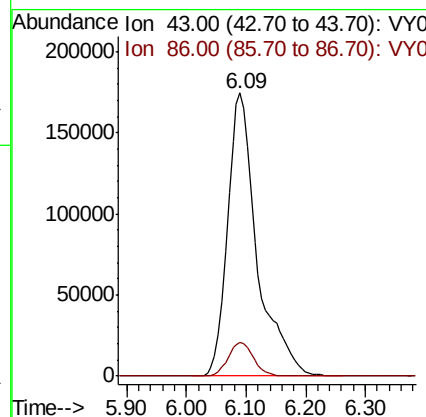
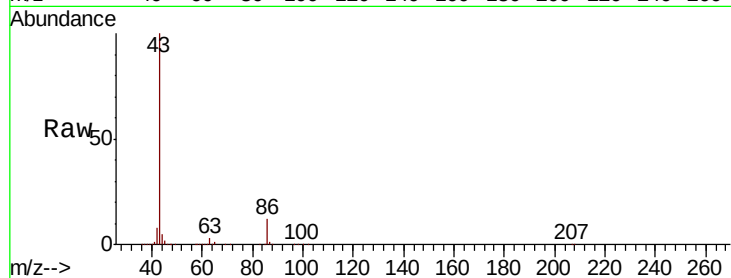
86 11.8 9.8 14.6

Manual Integrations

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MMDadoda

5/12/2020 12:10:03 PM



#24

1,1-Dichloroethane

Concen: 20.072 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

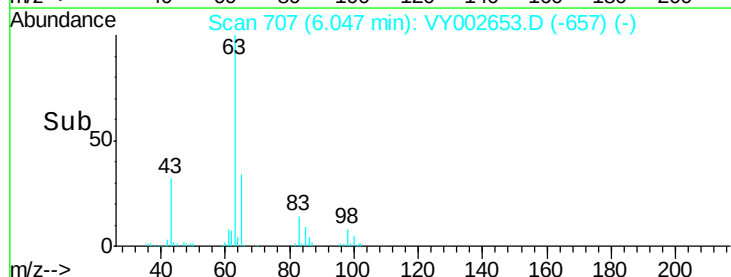
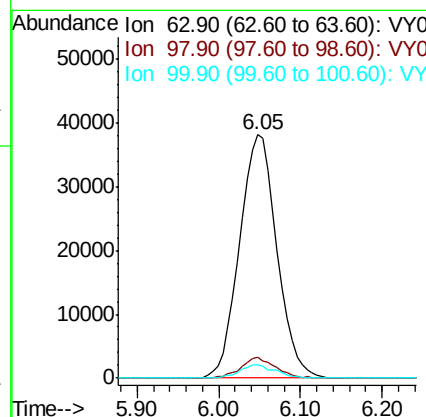
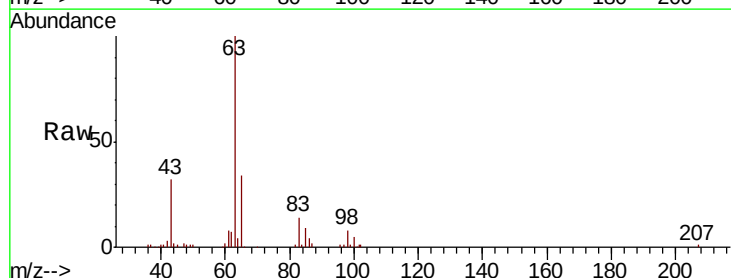
Tgt Ion: 63 Resp: 121114

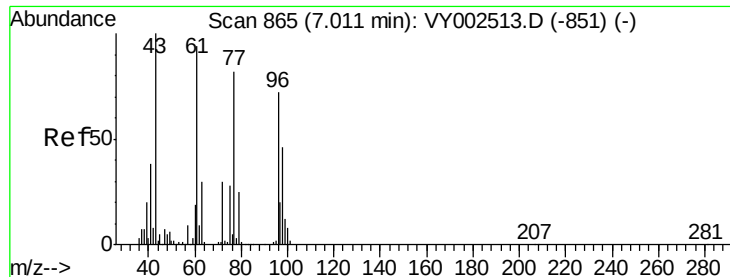
Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.7

100 5.3 2.4 7.2





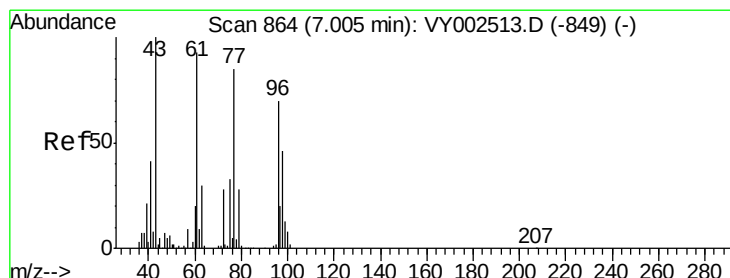
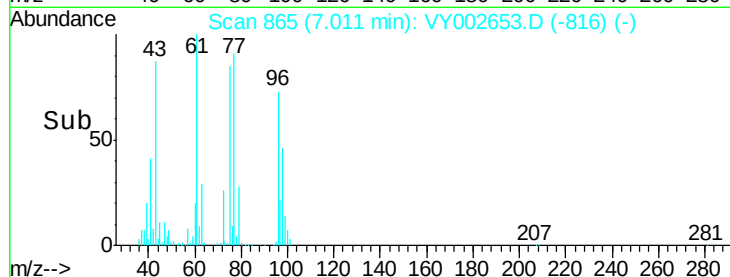
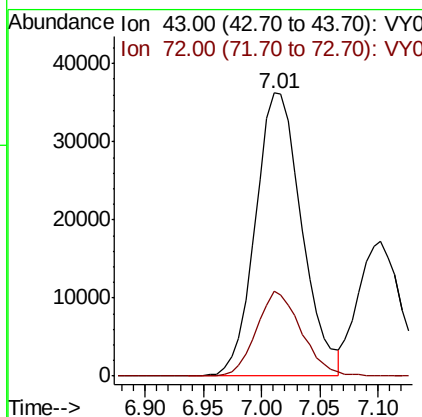
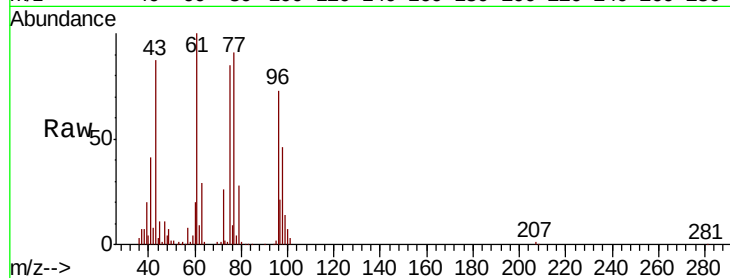
#25
2-Butanone
Concen: 88.163 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.1	24.1	36.1

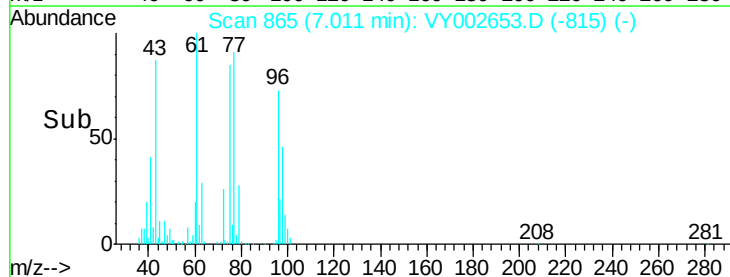
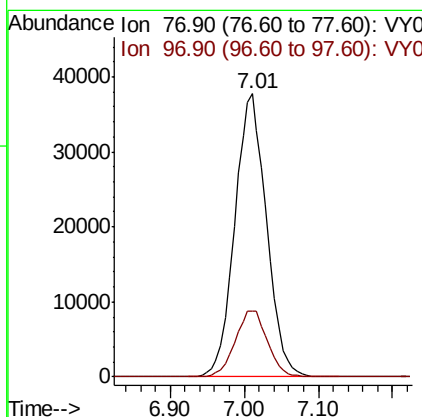
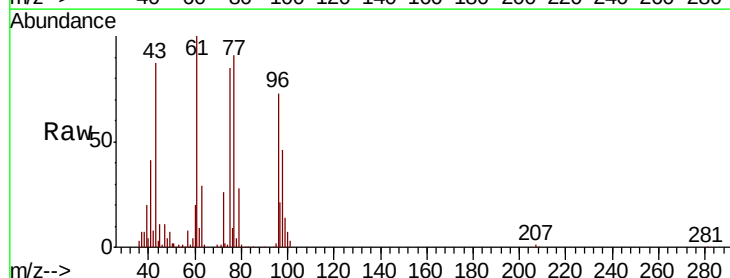
Manual Integrations
APPROVED

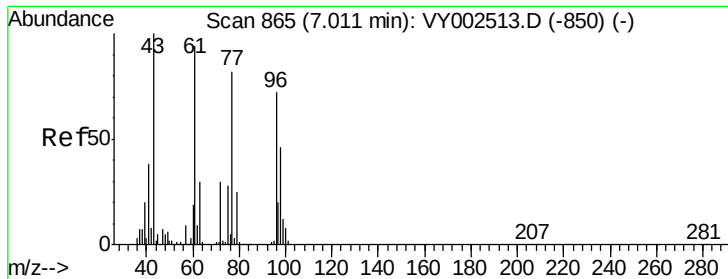
MMDadoda
5/12/2020 12:10:03 PM



#26
2,2-Dichloropropane
Concen: 19.632 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.9	35.5





#27

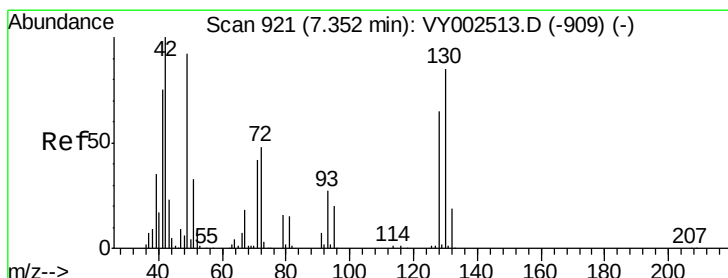
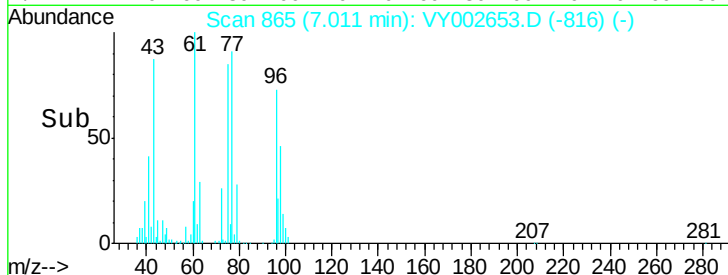
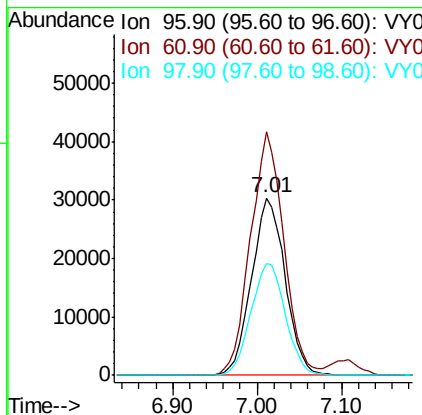
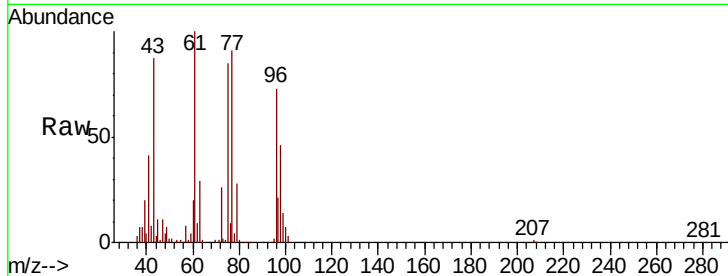
cis-1,2-Dichloroethene
 Concen: 19.745 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	266.6
98	64.8	0.0	129.2

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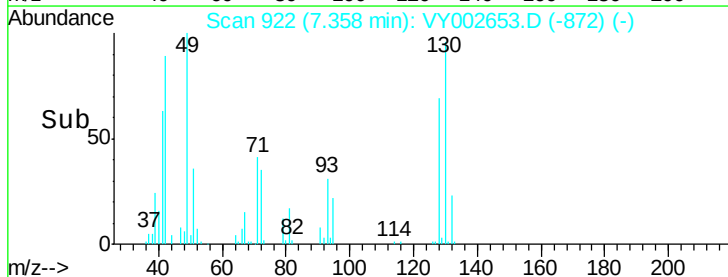
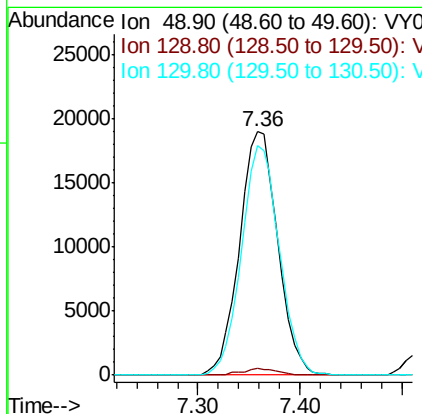
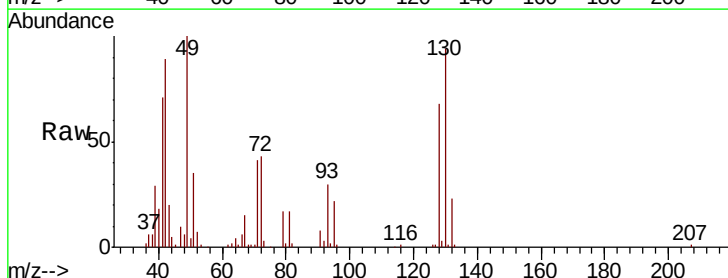
MMDadoda
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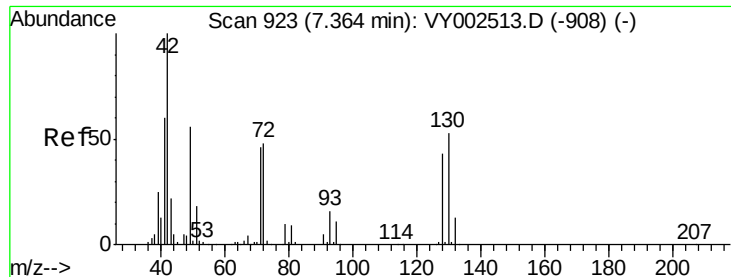


#28

Bromochloromethane
 Concen: 20.007 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	93.0	72.5	108.7





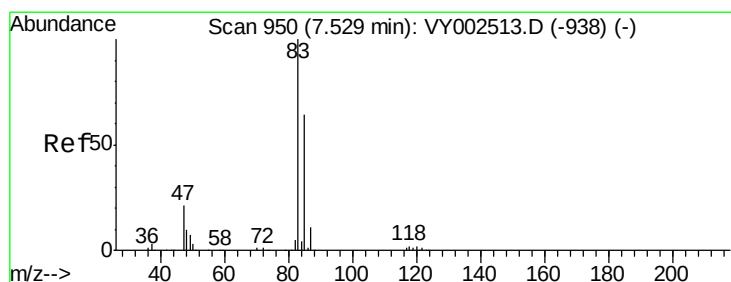
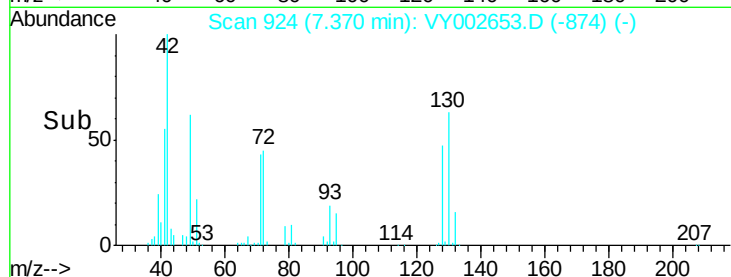
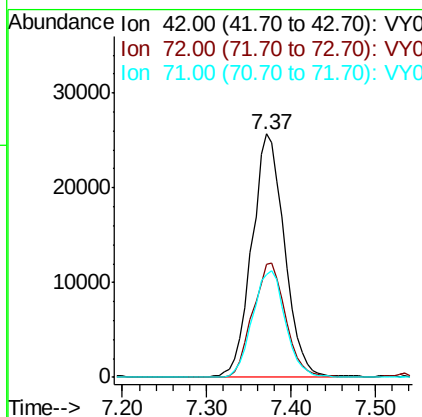
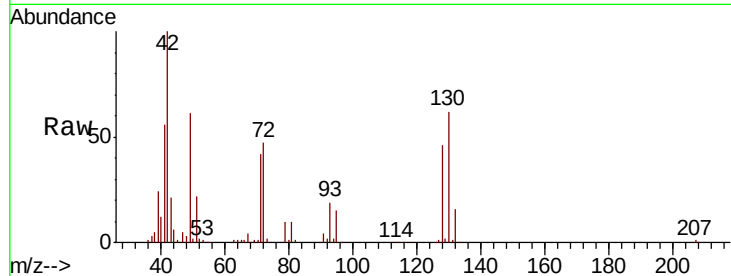
#29
Tetrahydrofuran
Concen: 90.166 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.4	56.2
71	44.0	35.0	52.4

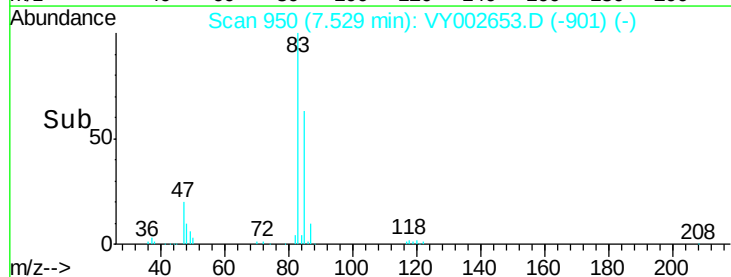
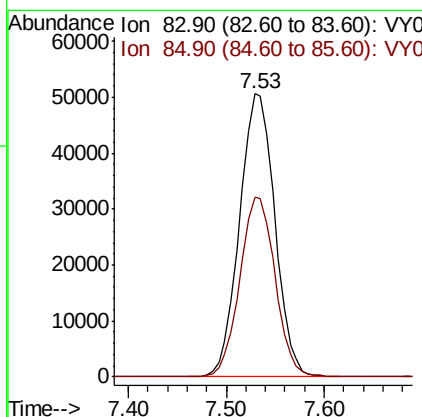
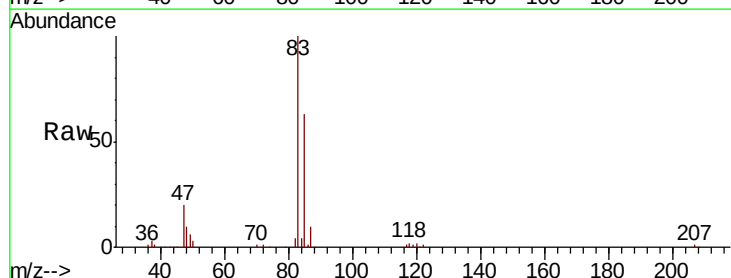
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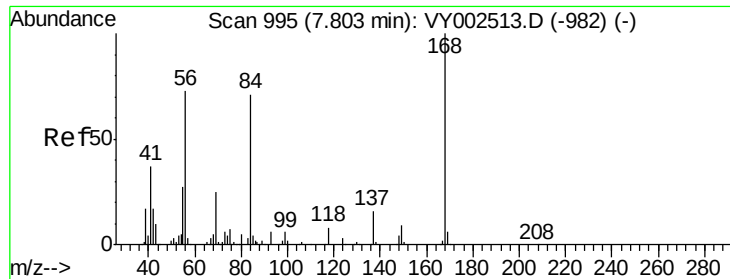
MMDadoda
5/12/2020 12:10:03 PM



#30
Chloroform
Concen: 20.215 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





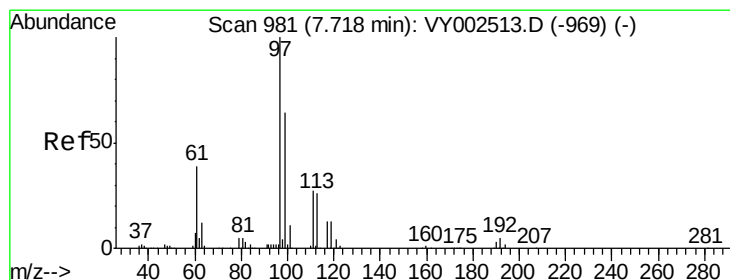
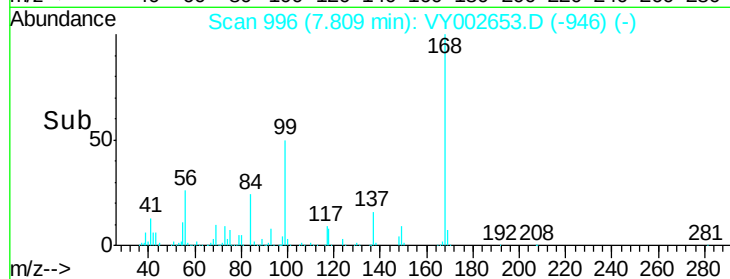
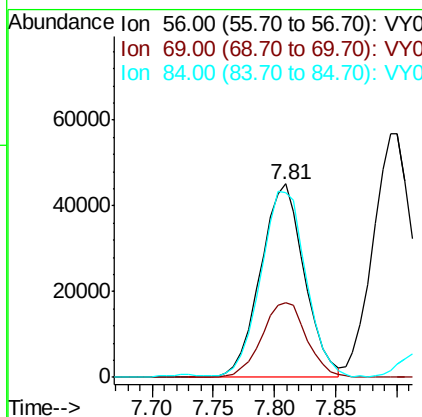
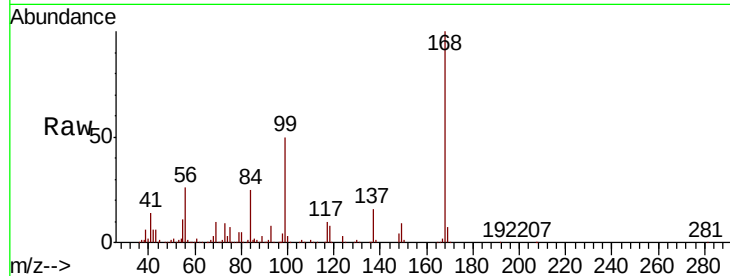
#31
Cyclohexane
Concen: 18.536 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	27.6	41.4
84	94.3	77.7	116.5

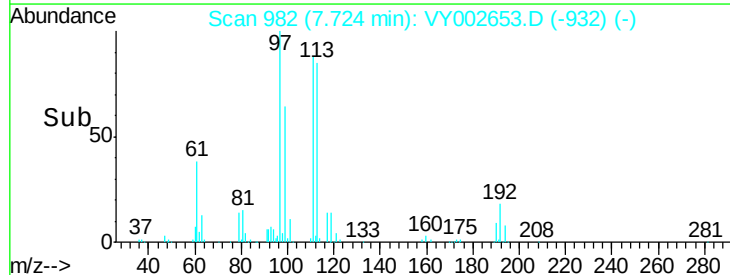
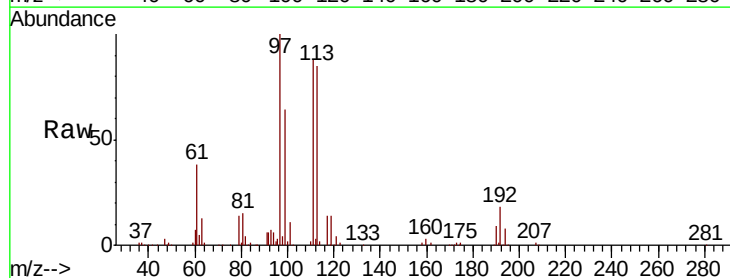
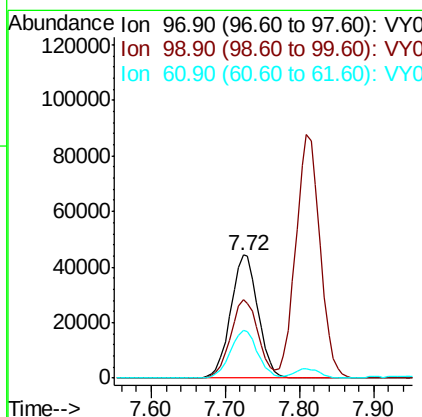
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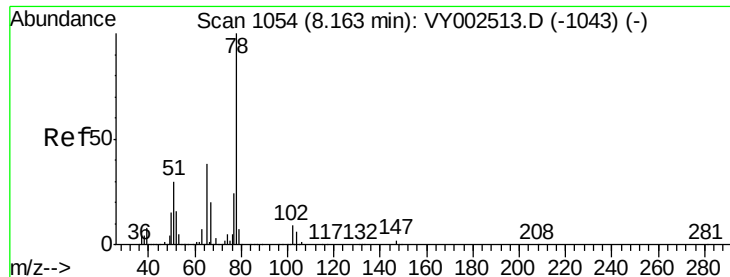
MMDadoda
5/12/2020 12:10:03 PM



#32
1,1,1-Trichloroethane
Concen: 19.536 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	38.6	31.0	46.6





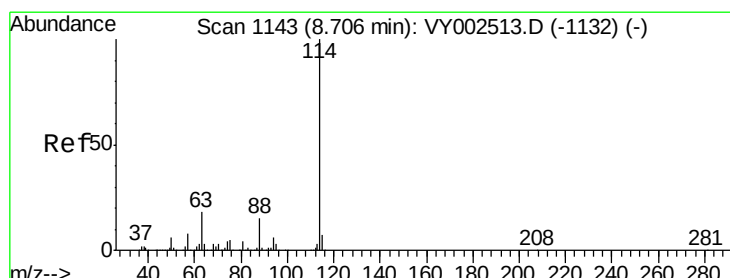
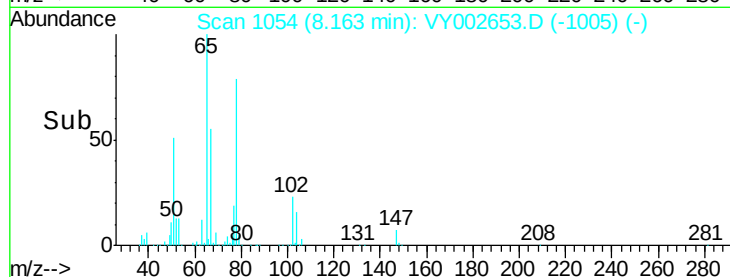
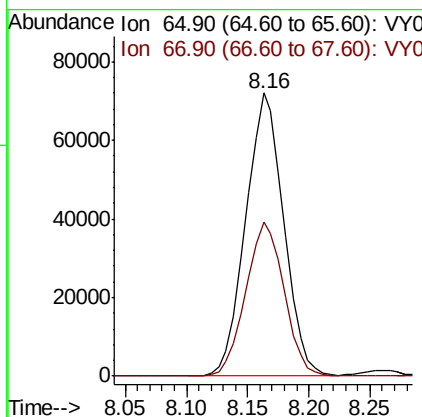
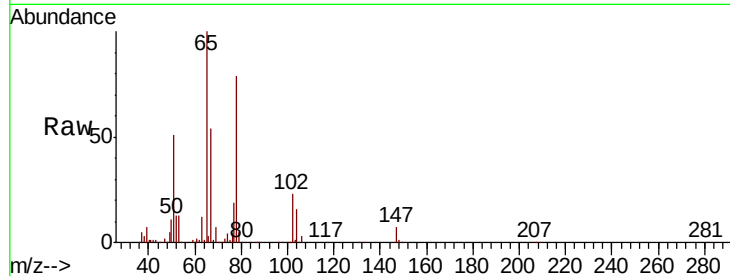
#33
 1,2-Dichloroethane-d4
 Concen: 46.107 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	107.2	

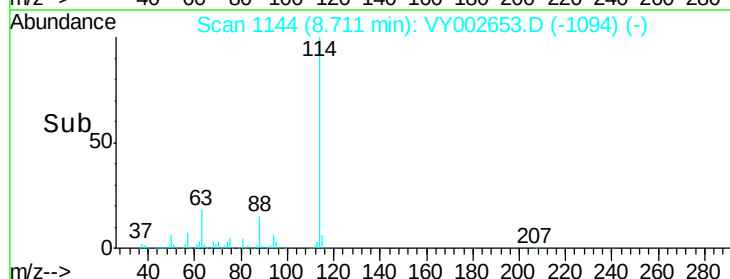
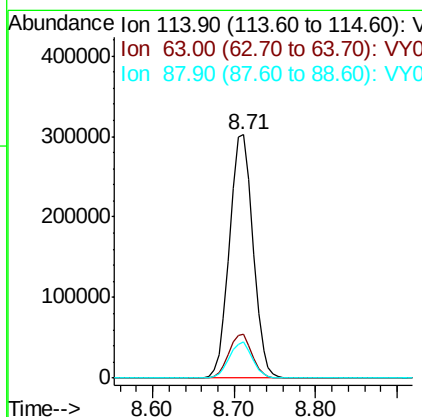
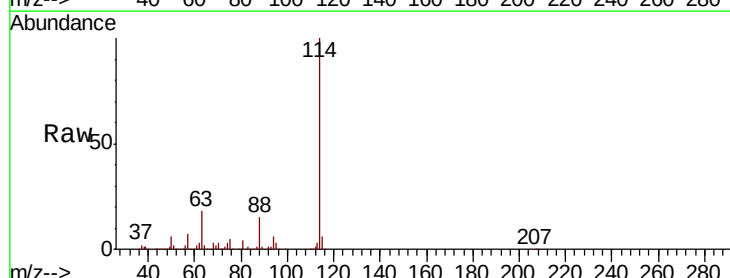
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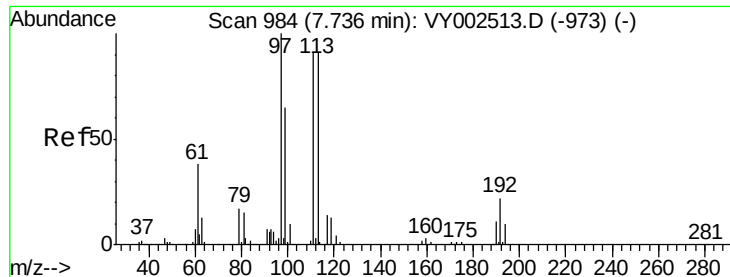
MMDadoda
 5/12/2020 12:10:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	36.4	
88	14.6	0.0	29.6	





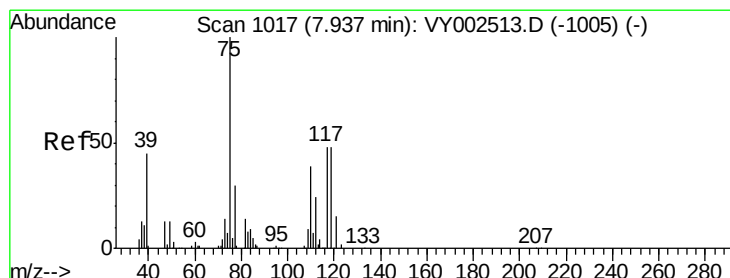
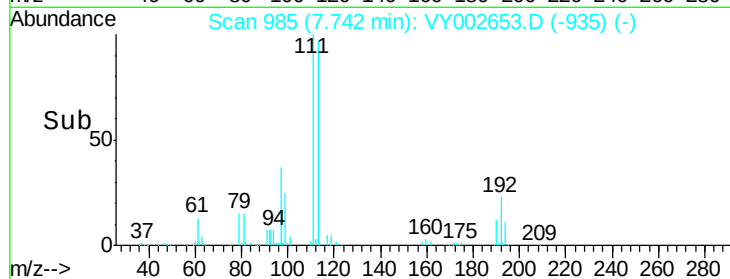
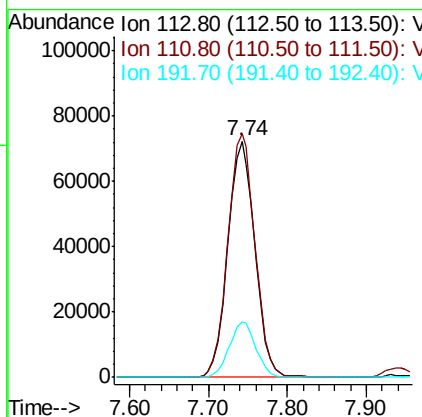
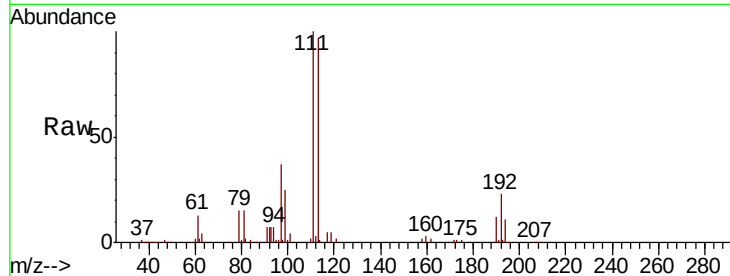
#35
 Dibromofluoromethane
 Concen: 50.269 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	23.0	18.2	27.4

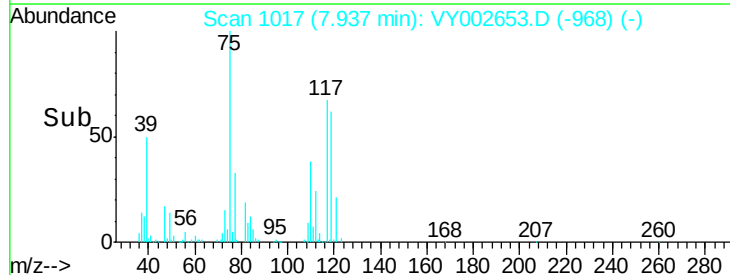
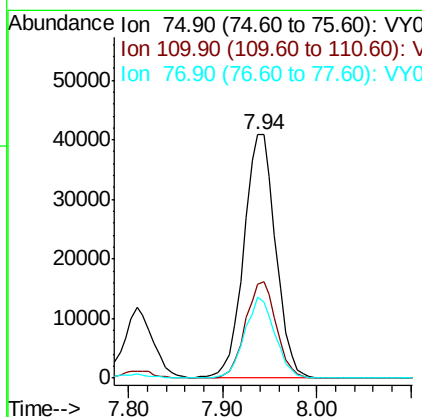
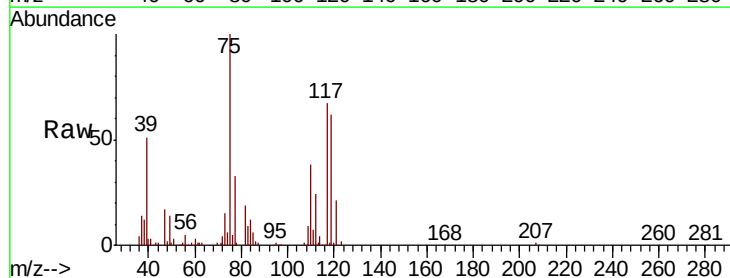
Manual Integrations
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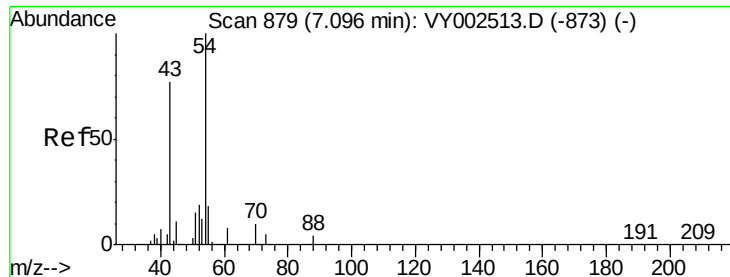
MMDadoda
 5/12/2020 12:10:03 PM



#36
 1,1-Dichloropropene
 Concen: 19.319 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.7	24.6	37.0





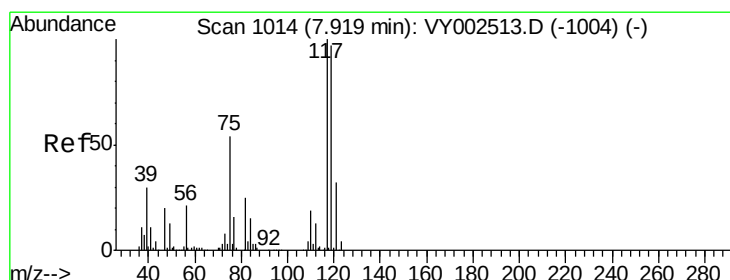
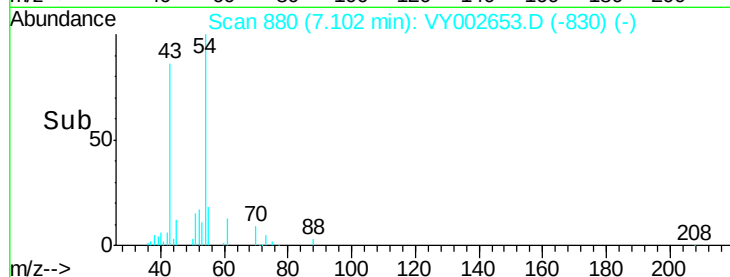
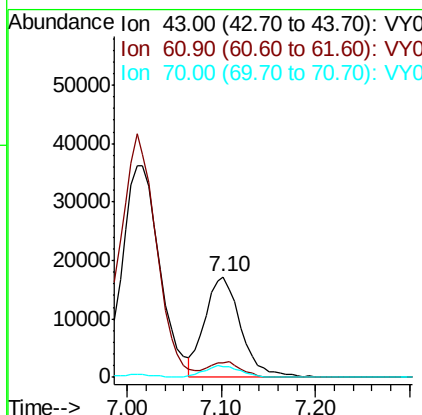
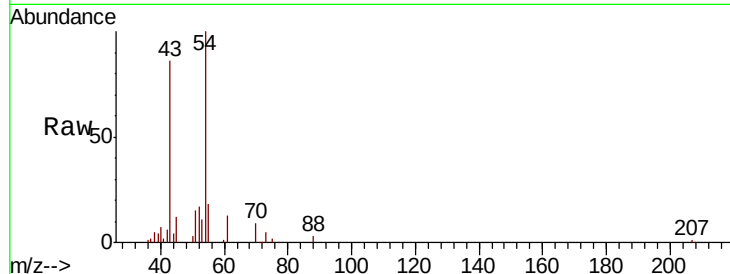
#37
Ethyl Acetate
Concen: 17.734 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	43	Resp	45712
Ion Ratio	Lower	Upper	
43	100		
61	13.6	11.6	17.4
70	11.5	9.0	13.6

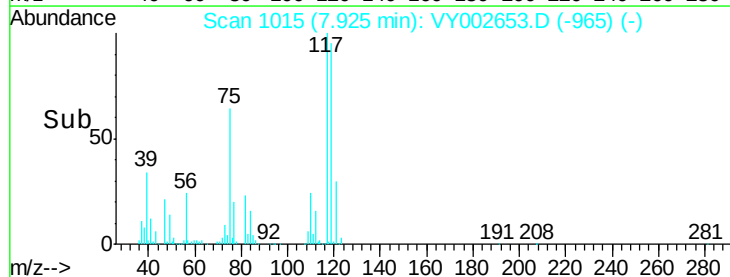
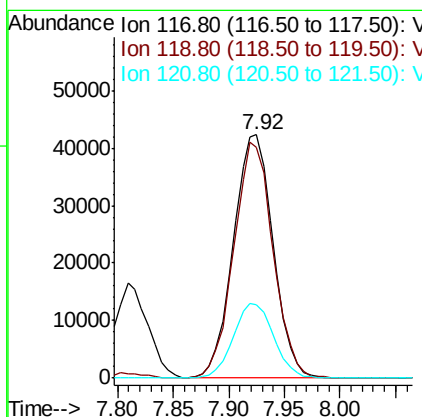
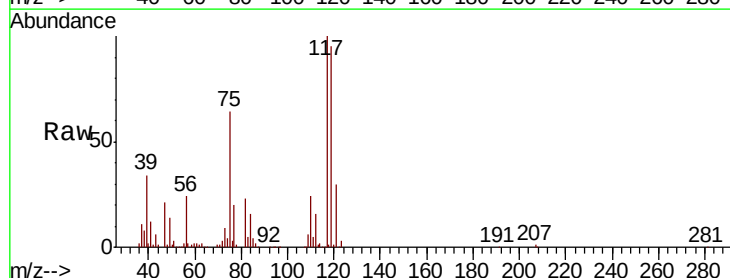
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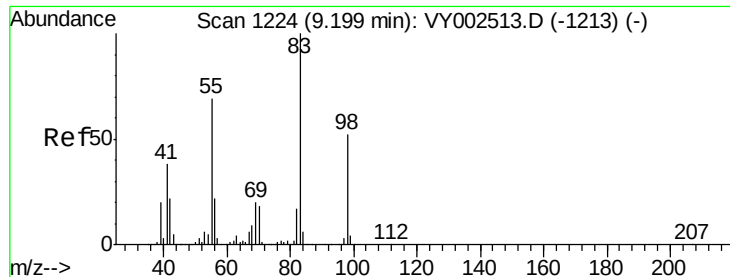
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5/12/2020 12:10:03 PM



#38
Carbon Tetrachloride
Concen: 19.176 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	117	Resp	105013
Ion Ratio	Lower	Upper	
117	100		
119	94.6	77.1	115.7
121	29.9	25.2	37.8





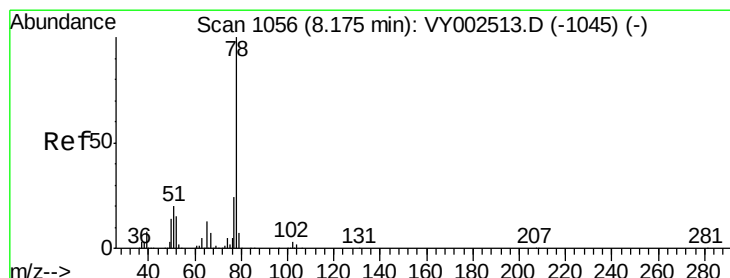
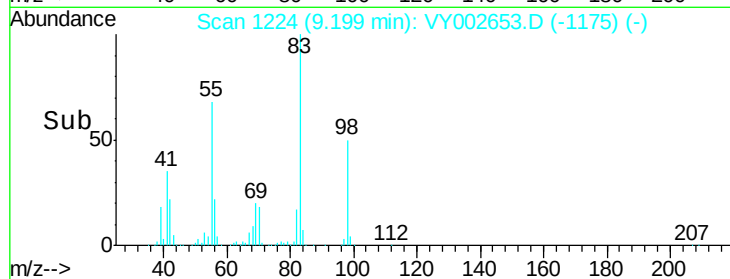
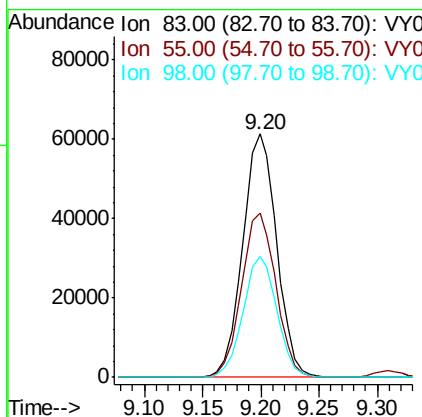
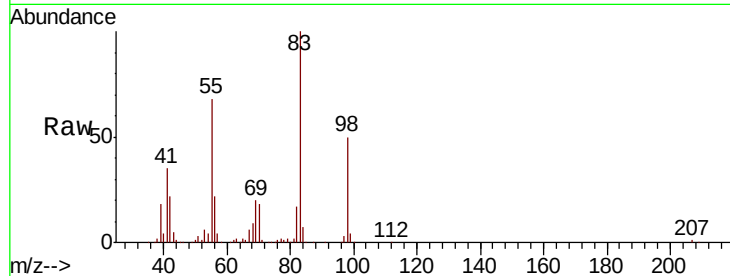
#39
Methylvlcyclohexane
Concen: 18.818 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	55.4	83.0
98	49.6	41.3	61.9

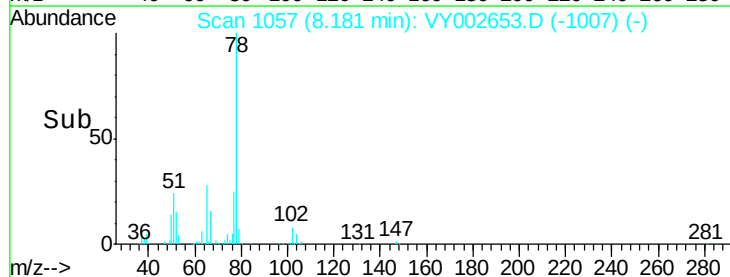
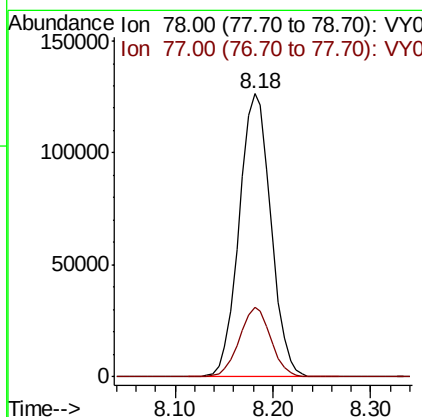
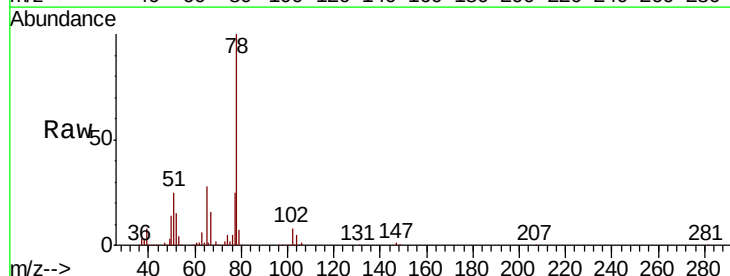
Manual Integrations
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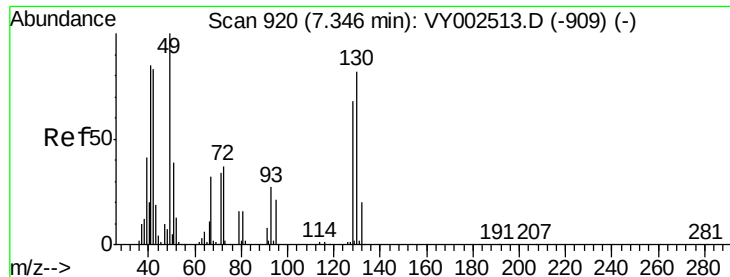
MMDadoda
5/12/2020 12:10:03 PM



#40
Benzene
Concen: 19.590 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





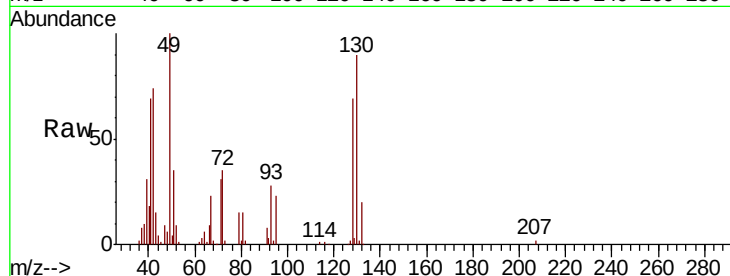
#41
Methacrylonitrile
Concen: 20.536 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

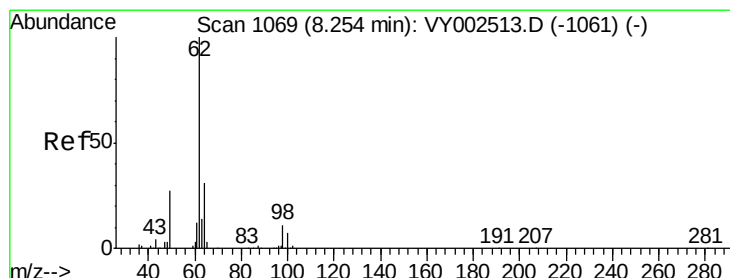
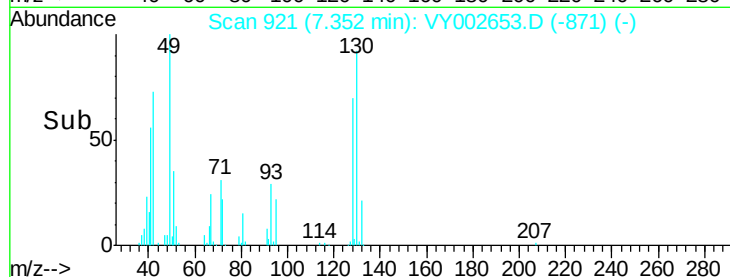
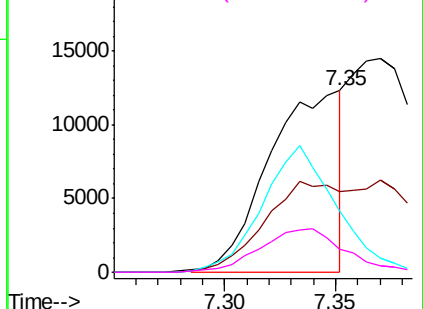
Tot Ion	41	Resp	28460
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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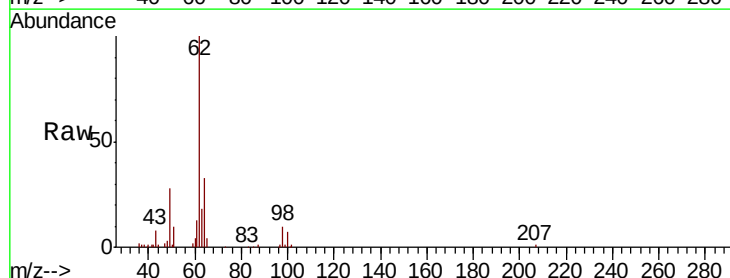


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

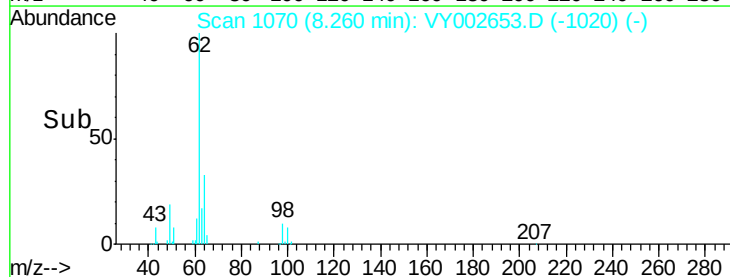
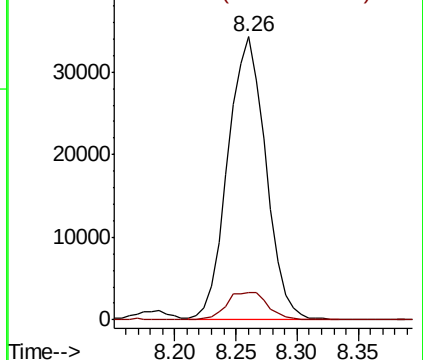


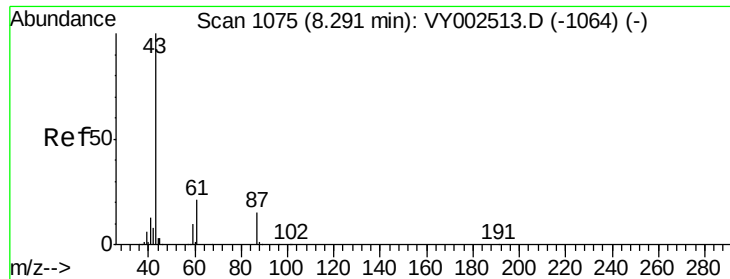
#42
1,2-Dichloroethane
Concen: 18.127 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	62	Resp	73663
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 17.898 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

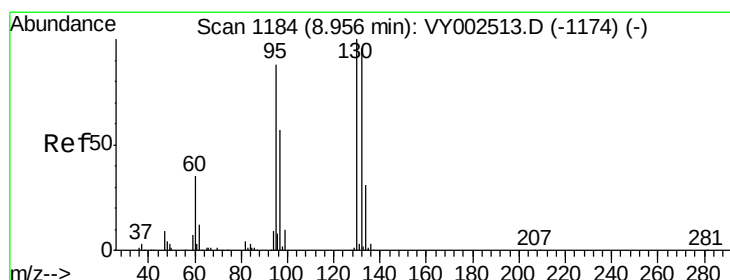
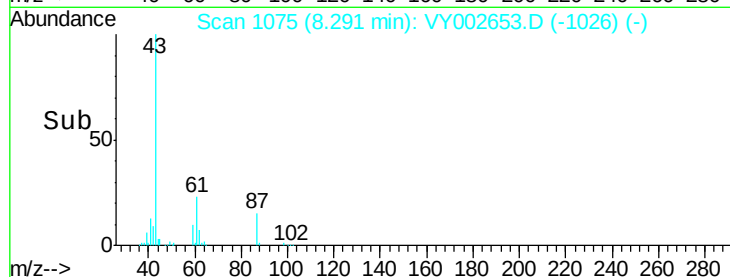
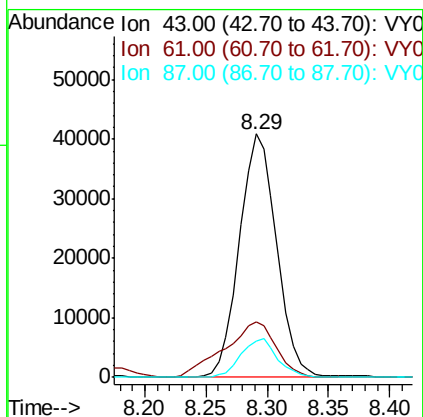
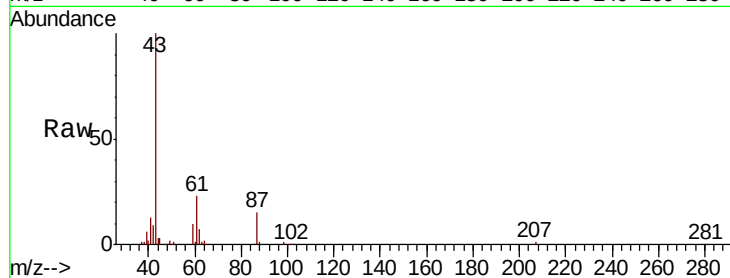
ClientSampleId :

VY0511SBS01

Tot Ion:	43	Resp:	86488
Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.8	37.2
87	15.5	12.2	18.2

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#44

Trichloroethene

Concen: 19.932 ug/l

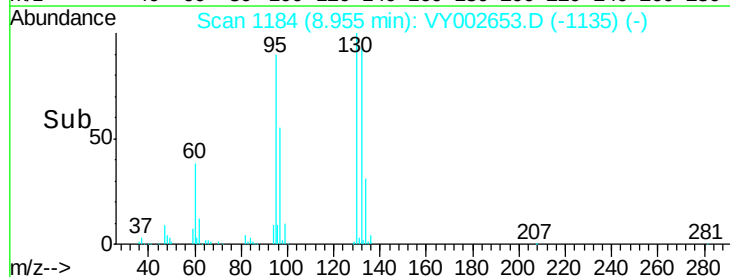
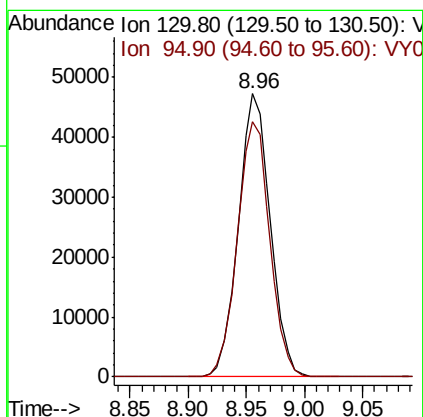
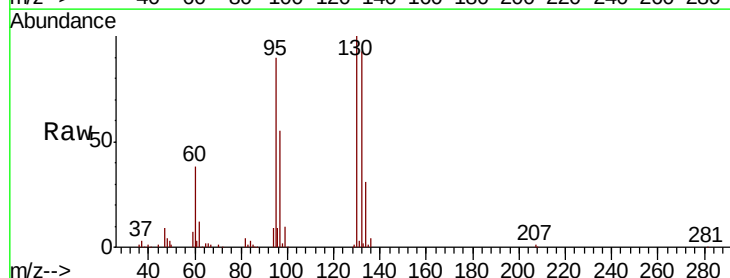
RT: 8.96 min Scan# 1184

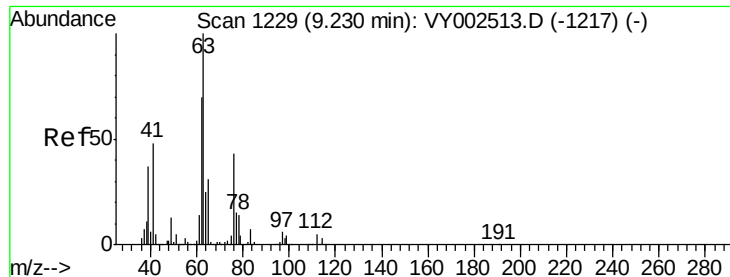
Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tgt Ion:	130	Resp:	90243
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	175.8





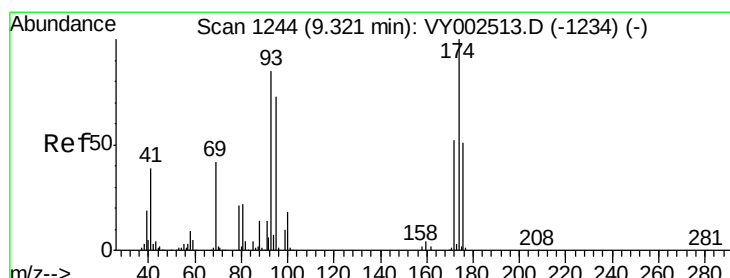
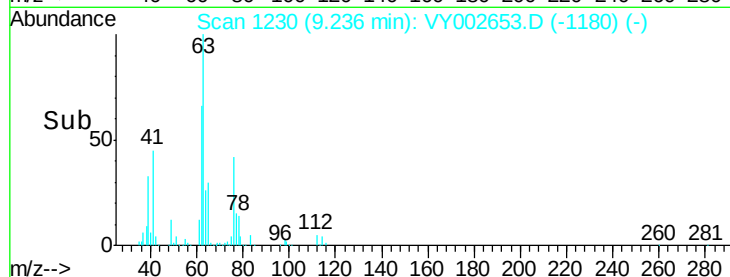
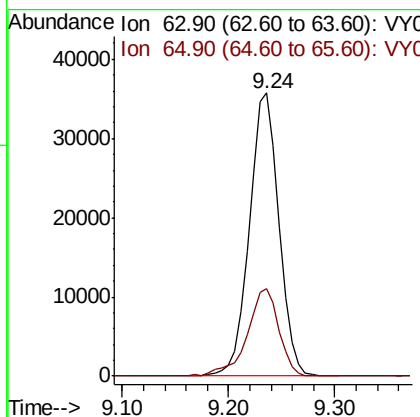
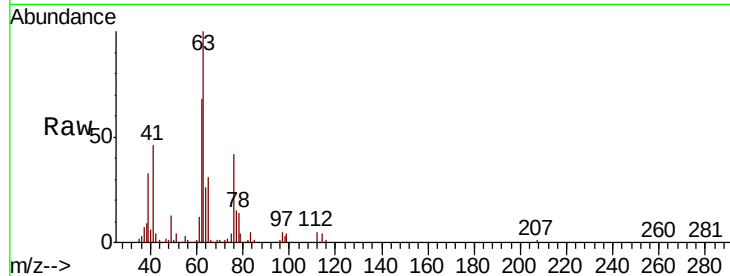
#45
 1,2-Dichloropropane
 Concen: 19.917 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

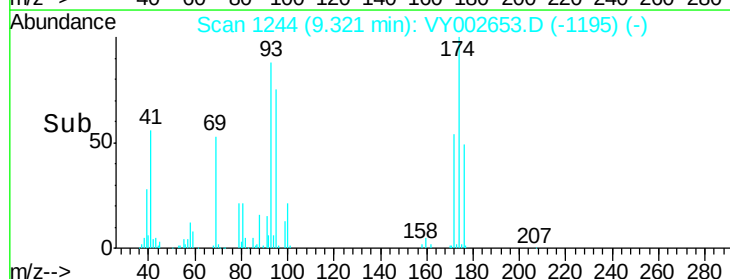
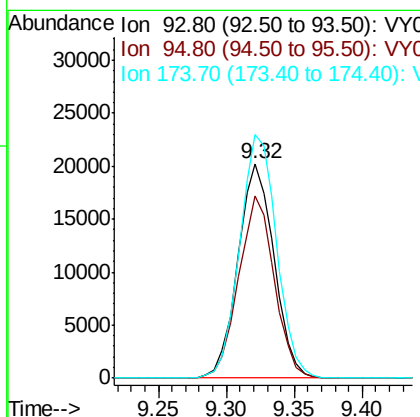
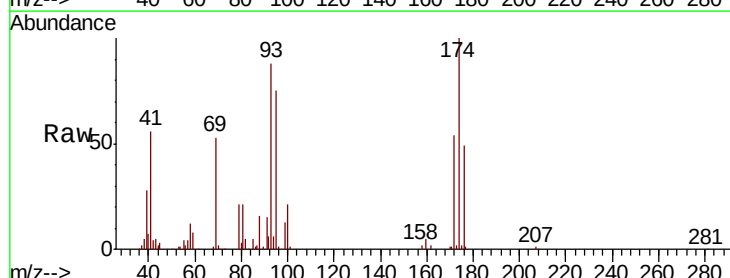
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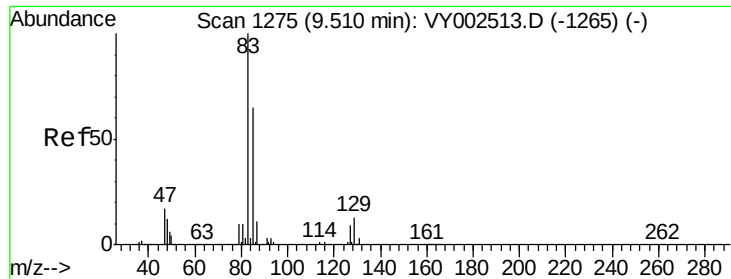
MMDadoda
 5/12/2020 12:10:03 PM



#46
 Dibromomethane
 Concen: 18.686 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.0	100.4
174	116.0	92.7	139.1





#47

Bromodichloromethane

Concen: 19.175 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

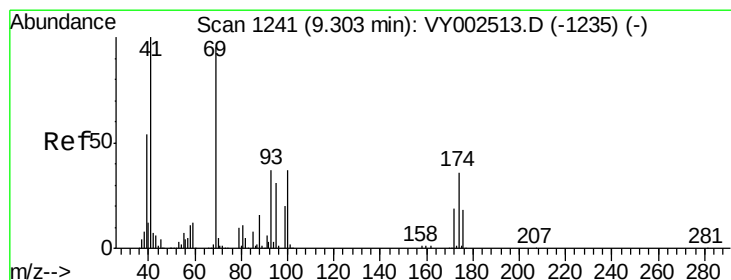
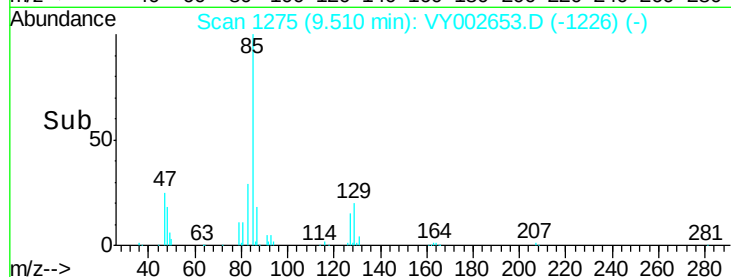
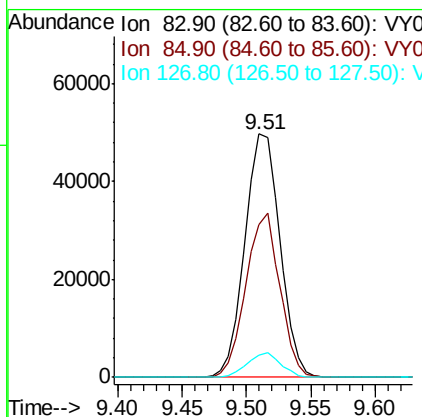
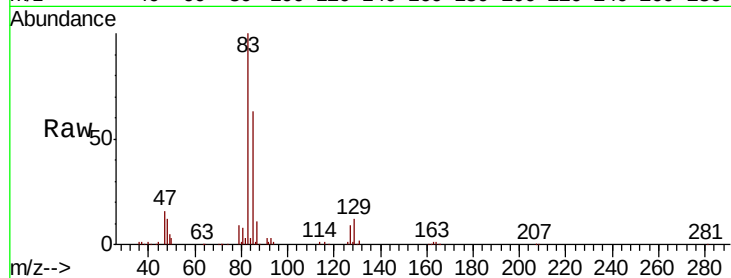
ClientSampleId :

VY0511SBS01

Tot Ion:	83	Resp:	93796
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.098 ug/l

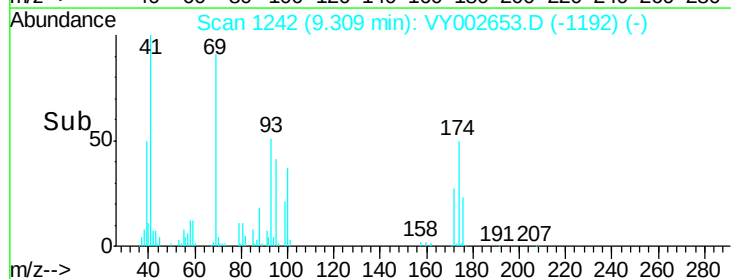
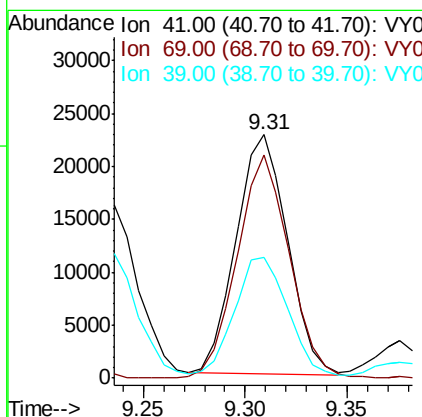
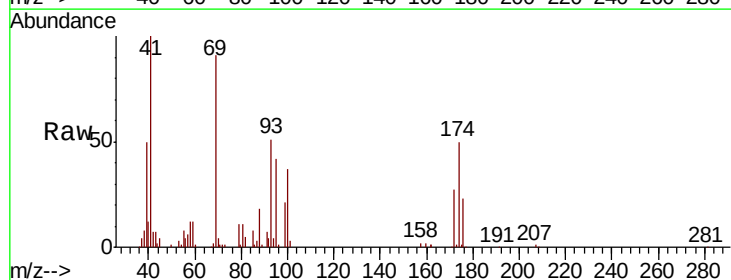
RT: 9.31 min Scan# 1242

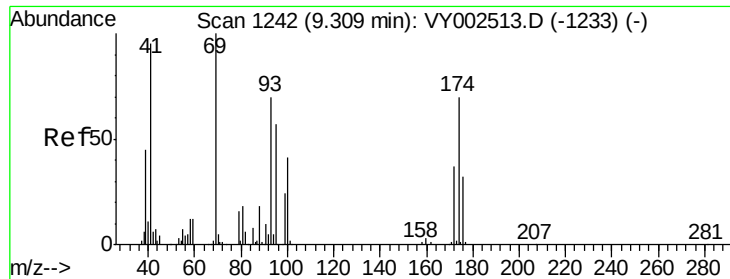
Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tgt Ion:	41	Resp:	39579
Ion	Ratio	Lower	Upper
41	100		
69	94.9	76.2	114.4
39	53.2	42.7	64.1





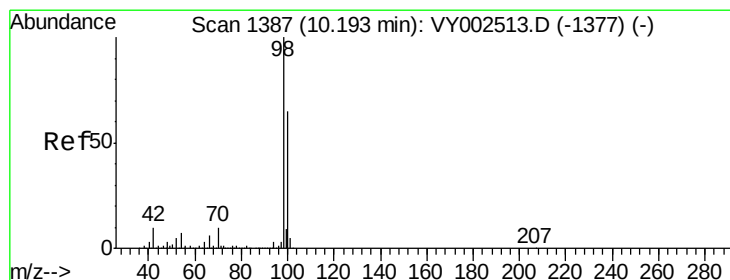
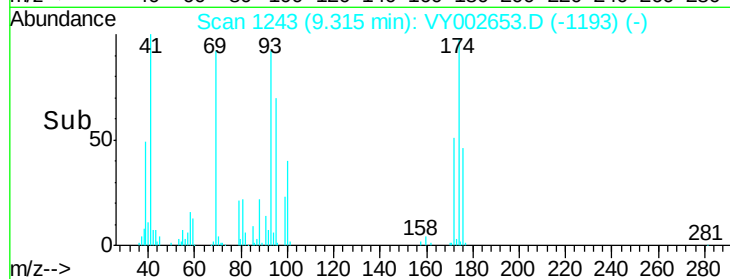
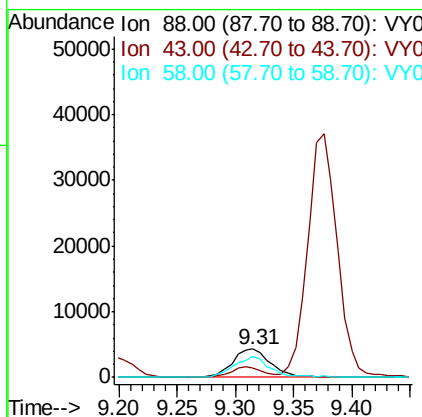
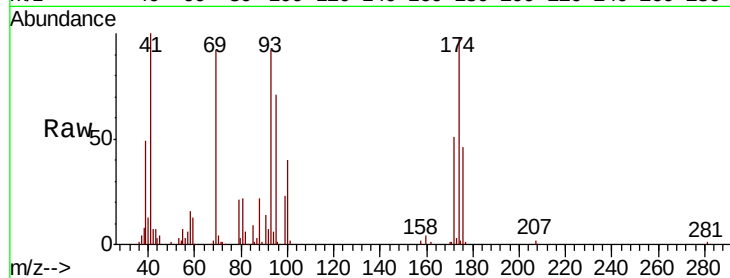
#49
1,4-Dioxane
Concen: 365.040 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.8	34.2
58	69.3	51.4	77.2

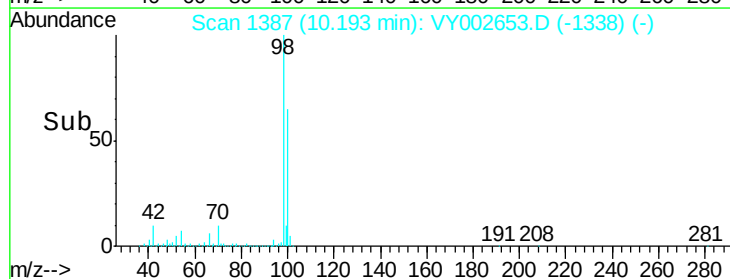
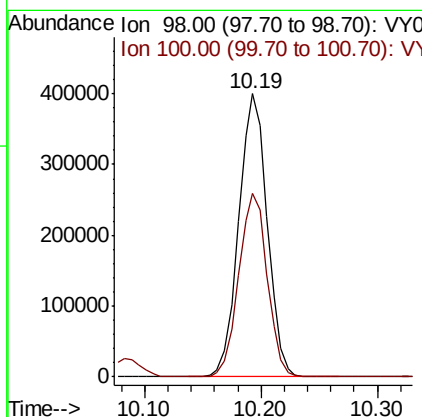
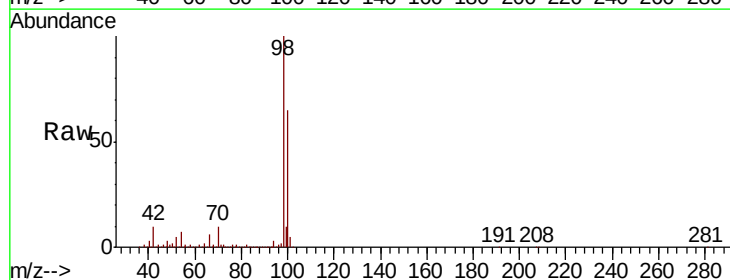
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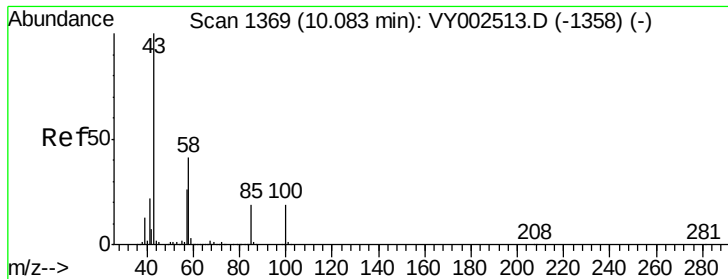
MMDadoda
5/12/2020 12:10:03 PM



#50
Toluene-d8
Concen: 50.972 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





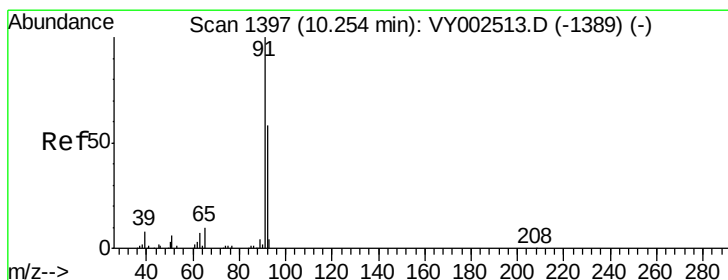
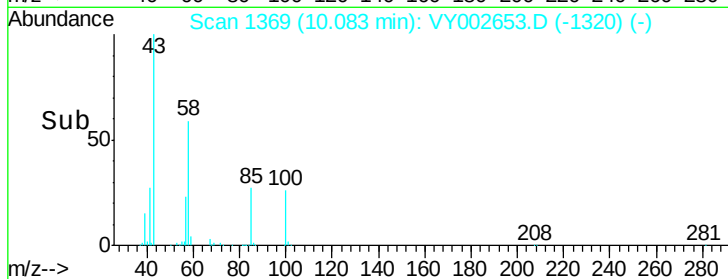
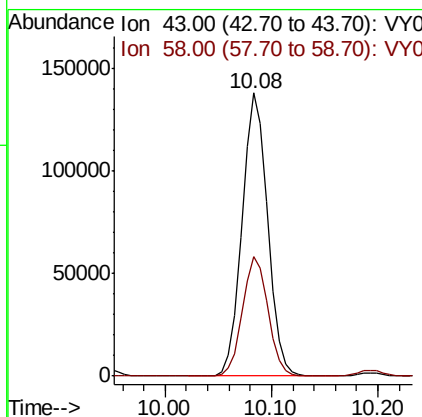
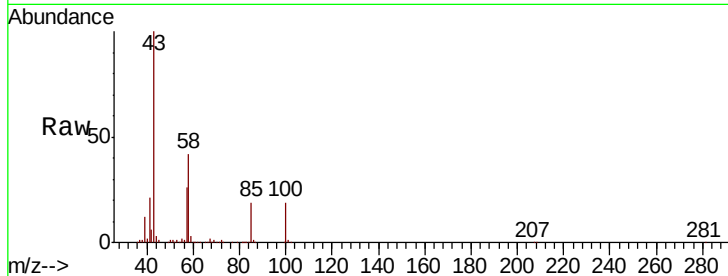
#51
4-Methyl-2-Pentanone
Concen: 93.777 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.2	49.8

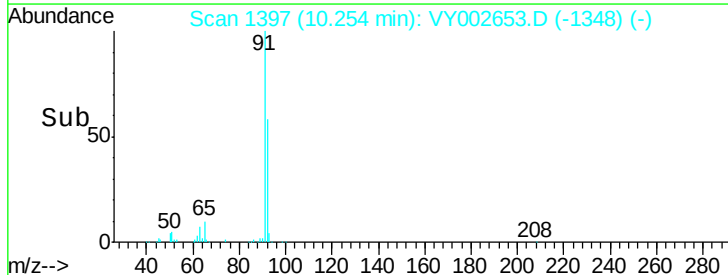
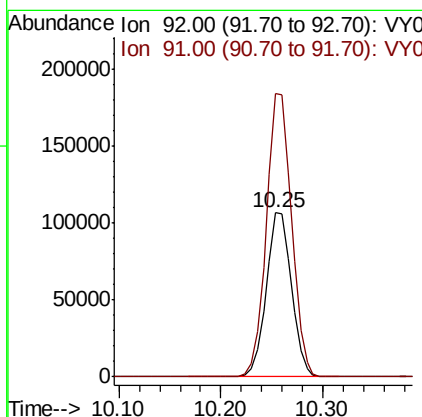
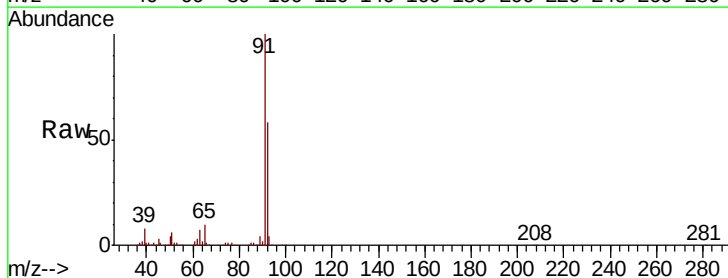
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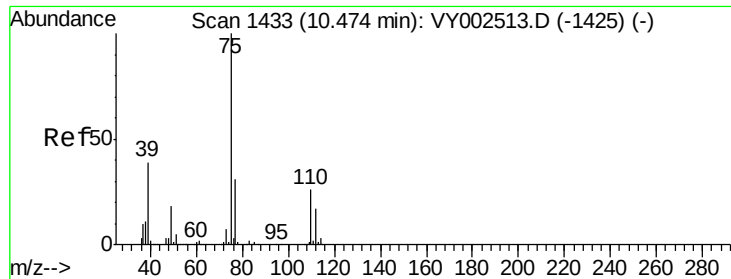
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#52
Toluene
Concen: 19.528 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.3	208.9





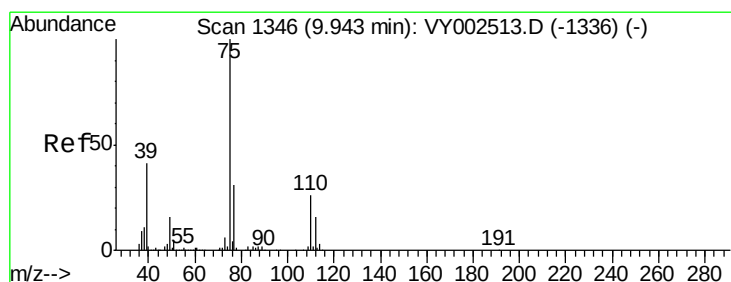
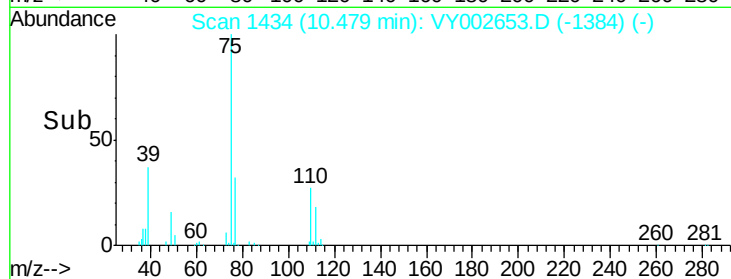
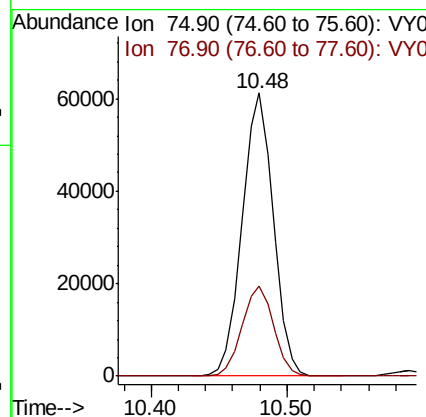
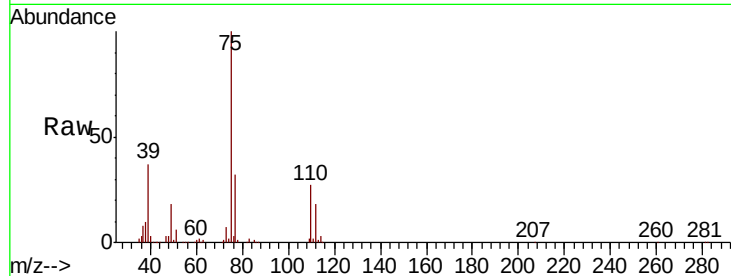
#53
 t-1,3-Dichloropropene
 Concen: 19.139 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6

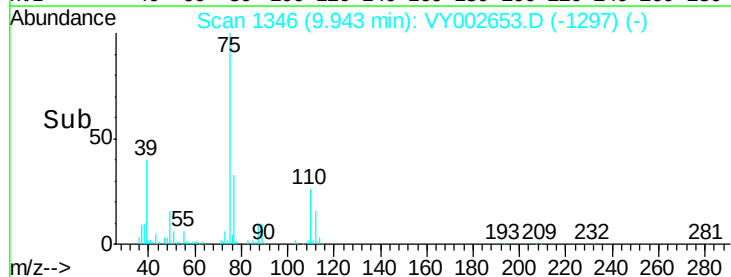
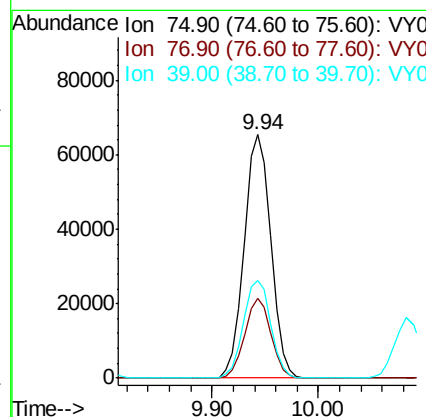
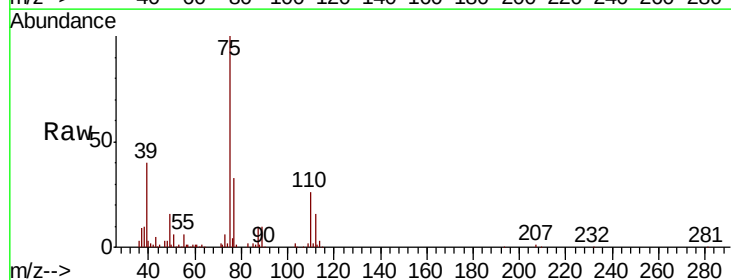
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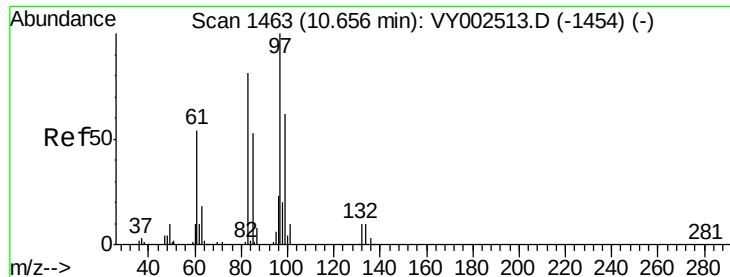
MMDadoda
 5/12/2020 12:10:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.497 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7
39	40.0	32.7	49.1





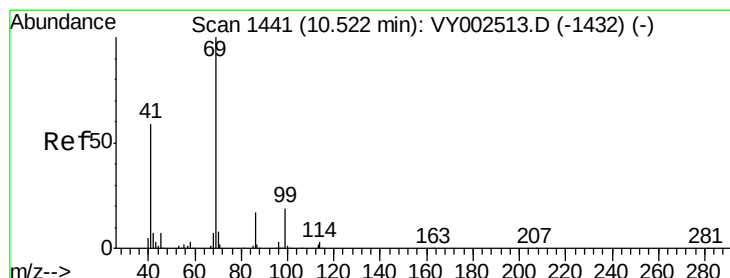
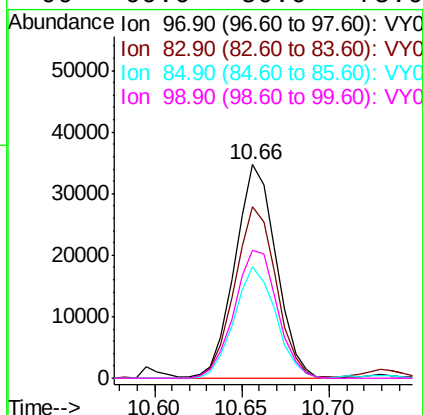
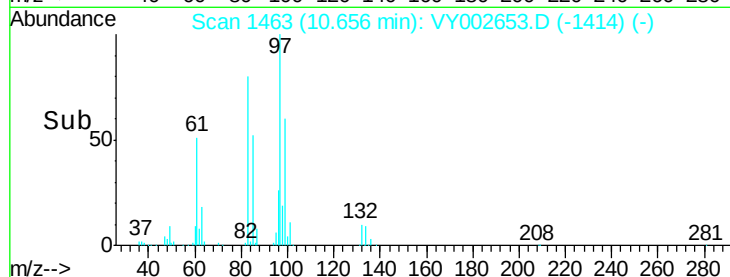
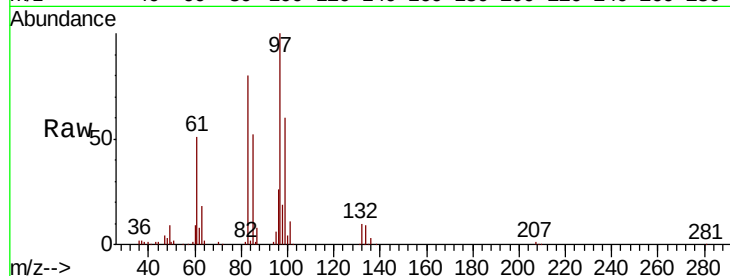
#55
 1,1,2-Trichloroethane
 Concen: 19.376 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion:	97	Resp:	56841
Ion	Ratio	Lower	Upper
97	100		
83	80.4	65.1	97.7
85	52.1	42.7	64.1
99	60.0	50.0	75.0

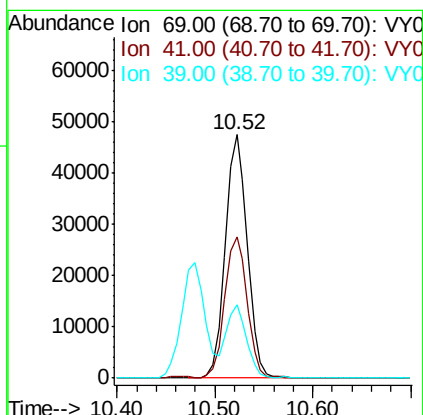
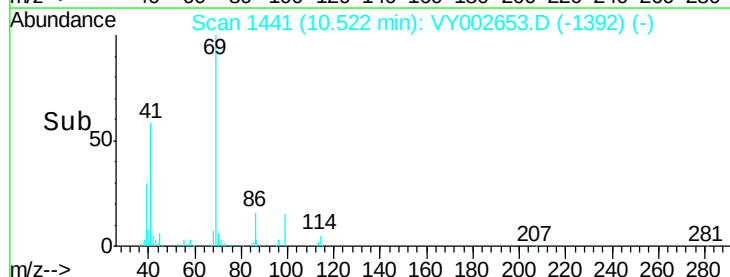
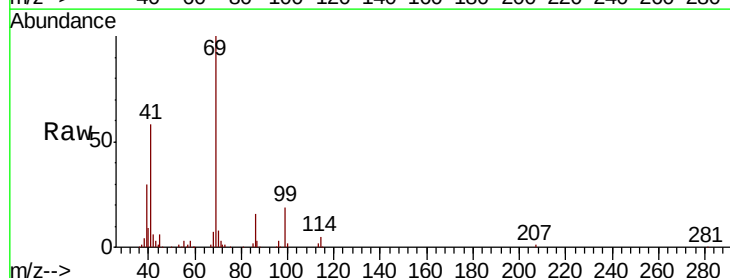
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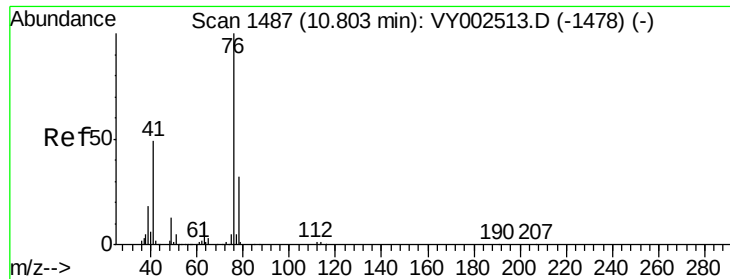
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#56
 Ethyl methacrylate
 Concen: 18.919 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion:	69	Resp:	73833
Ion	Ratio	Lower	Upper
69	100		
41	58.7	48.6	73.0
39	27.1	25.0	37.4





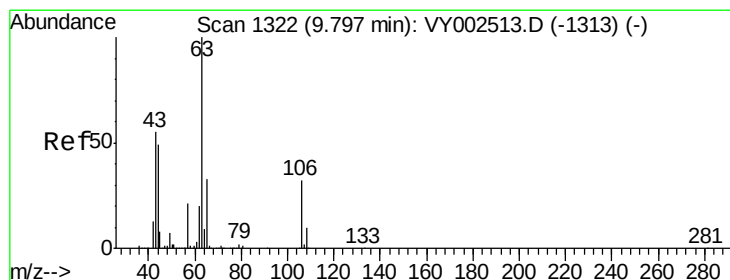
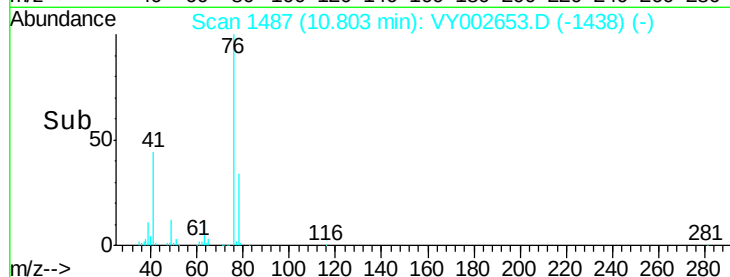
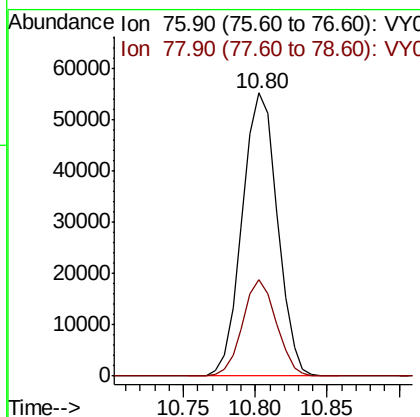
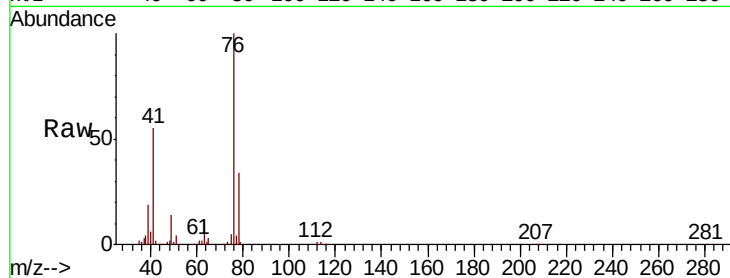
#57
 1,3-Dichloropropane
 Concen: 18.825 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

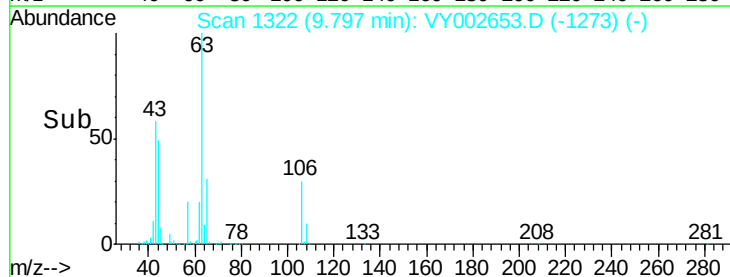
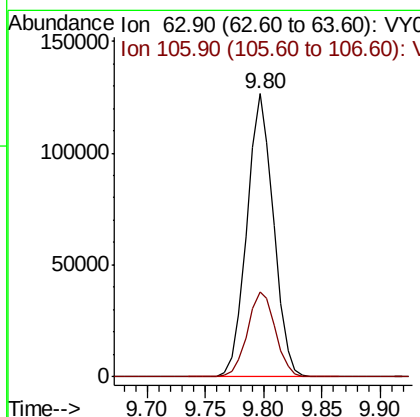
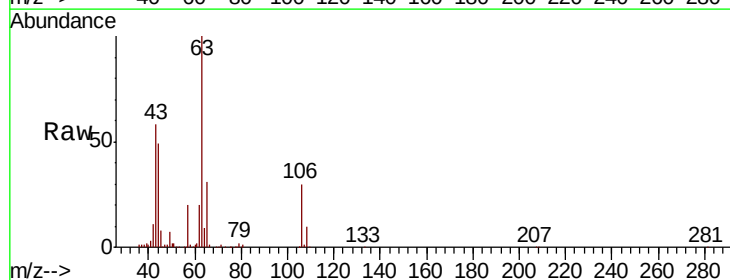
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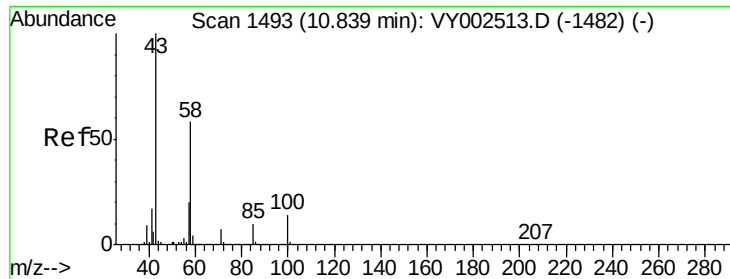
MMDadoda
 5/12/2020 12:10:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.286 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.2	37.8





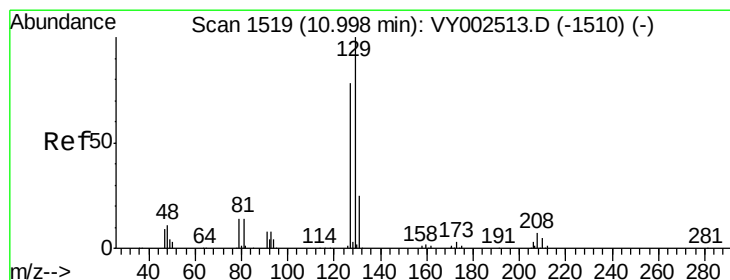
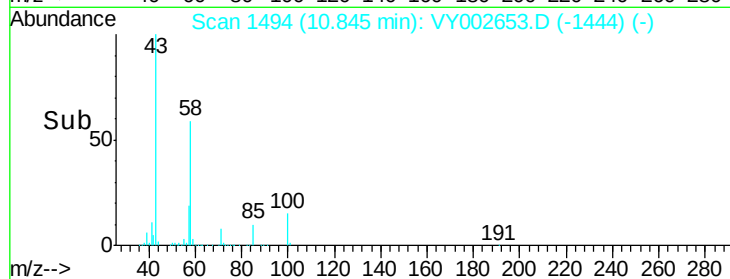
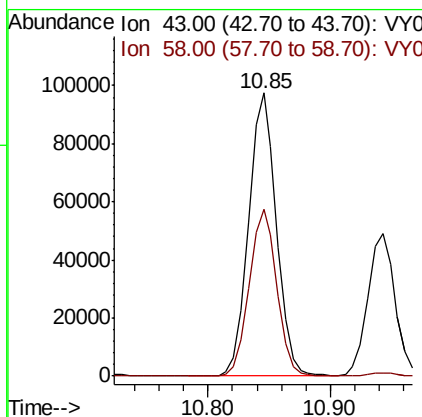
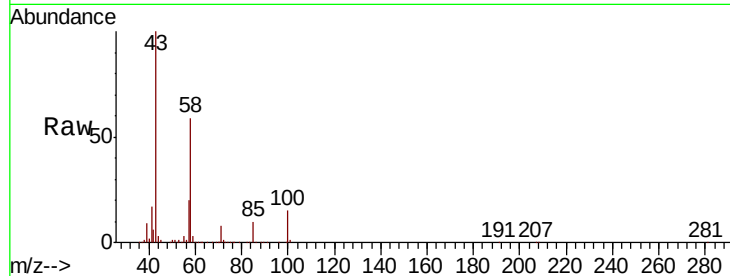
#59
2-Hexanone
Concen: 89.955 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion: 43 Resp: 154208
Ion Ratio Lower Upper
43 100
58 58.6 29.1 87.3

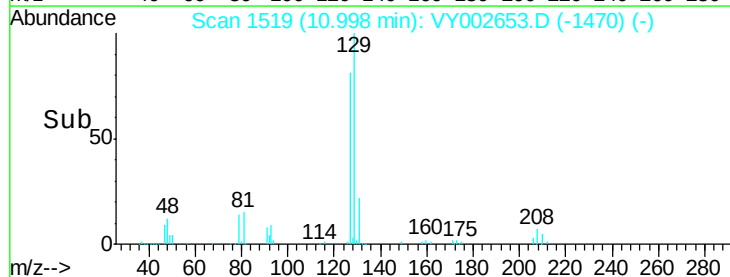
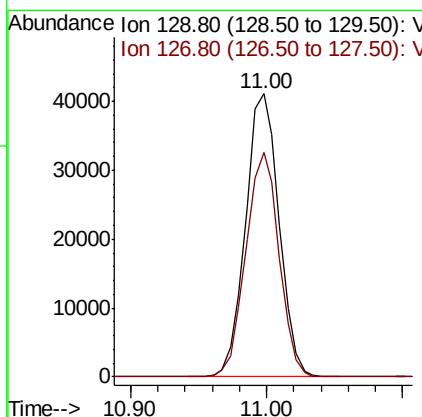
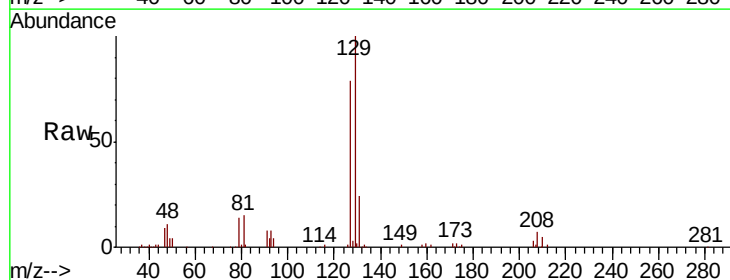
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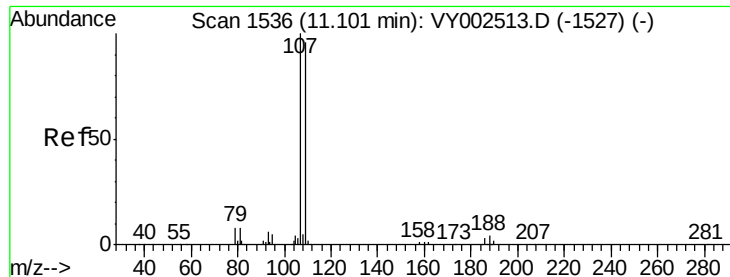
MMDadoda
5/12/2020 12:10:03 PM



#60
Dibromochloromethane
Concen: 19.027 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion: 129 Resp: 70994
Ion Ratio Lower Upper
129 100
127 78.5 39.0 117.0





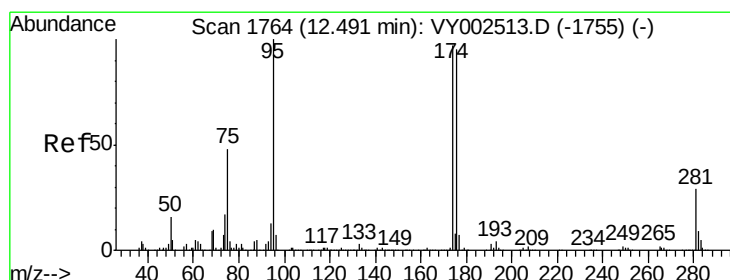
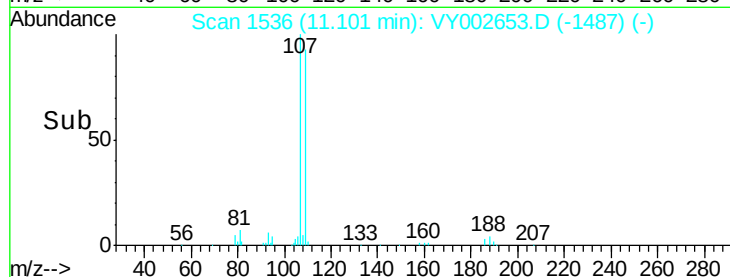
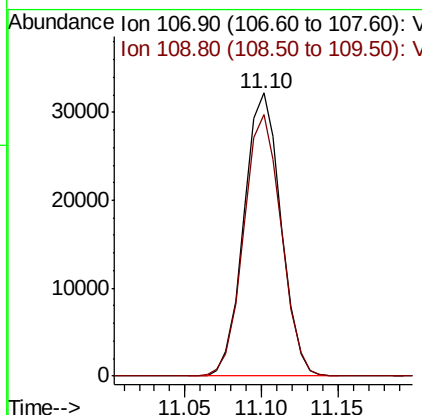
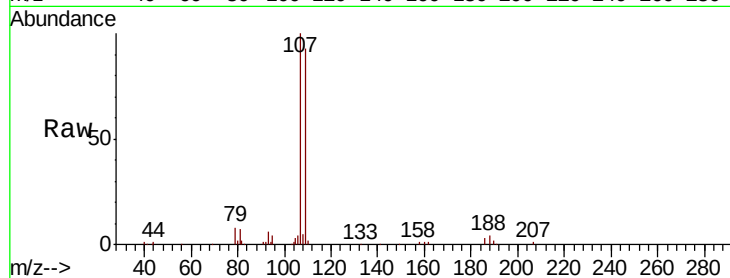
#61
1,2-Dibromoethane
Concen: 18.619 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.8	113.8

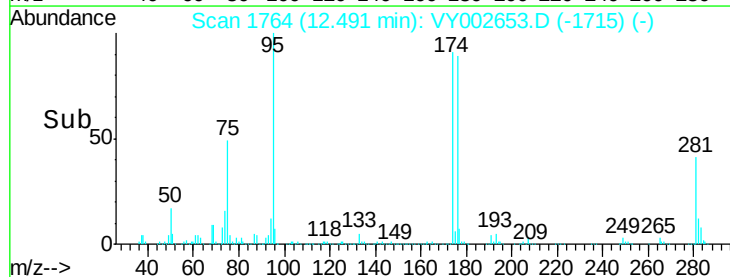
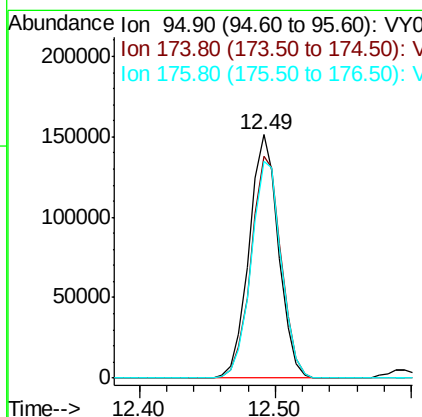
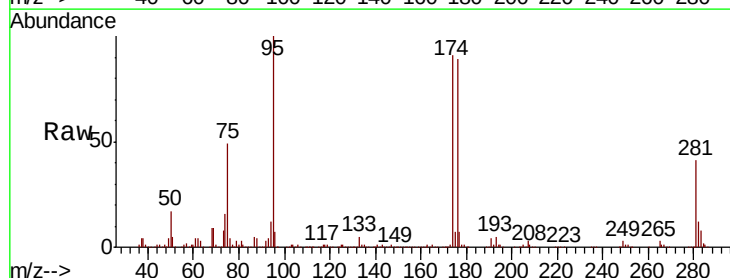
Manual Integrations
APPROVED

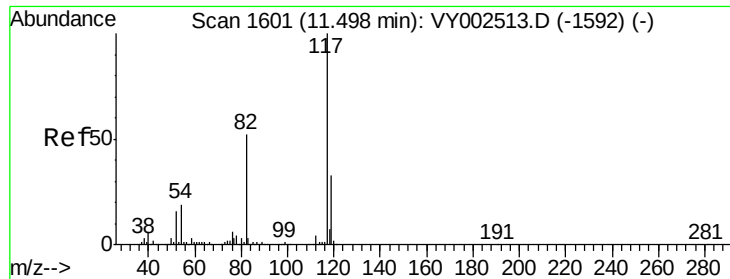
MMDadoda
5/12/2020 12:10:03 PM



#62
4-Bromofluorobenzene
Concen: 50.695 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	188.8
176	90.8	0.0	183.2





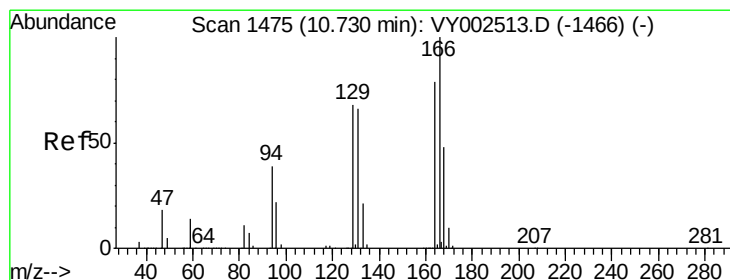
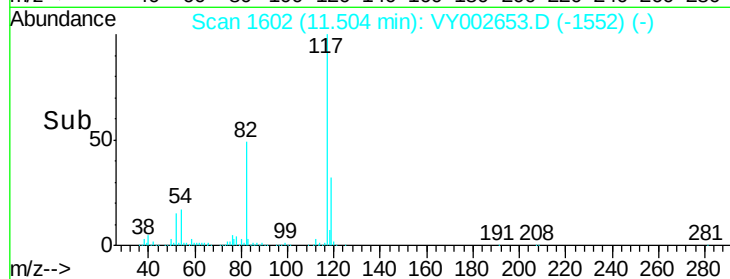
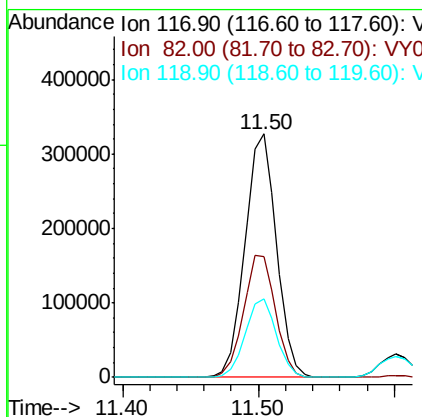
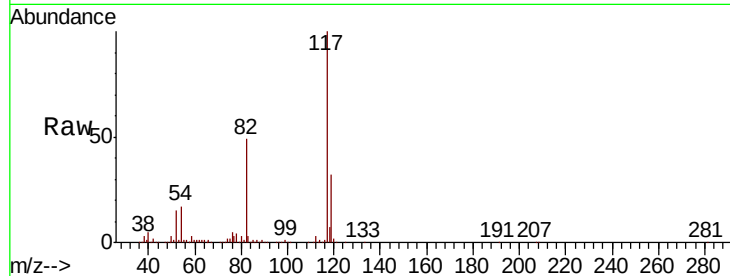
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.3	61.9
119	32.2	26.0	39.0

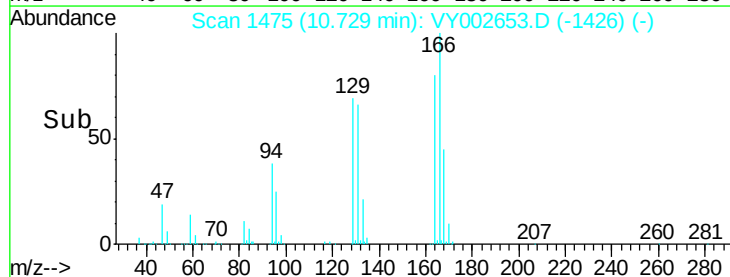
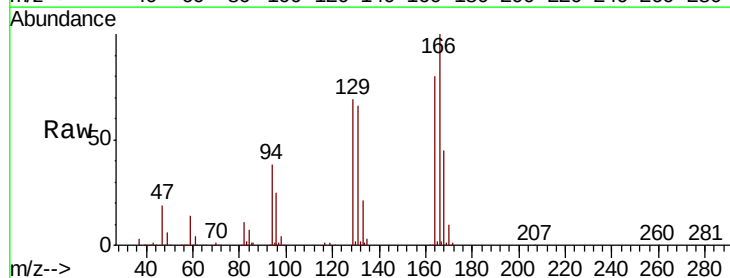
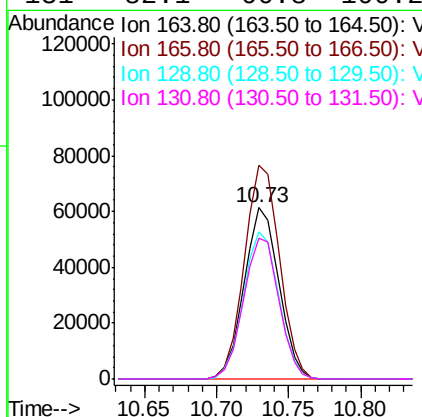
Manual Integrations
APPROVED

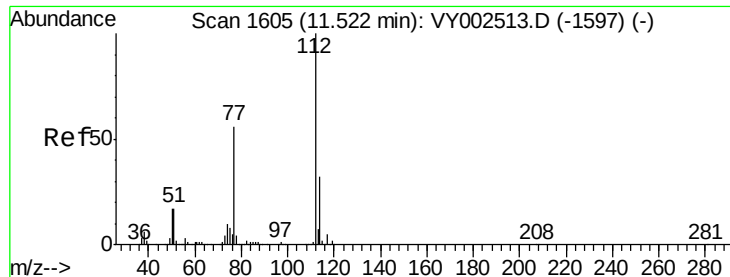
MMDadoda
5/12/2020 12:10:03 PM



#64
Tetrachloroethene
Concen: 21.849 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.7	151.1
129	85.8	68.3	102.5
131	82.1	66.8	100.2





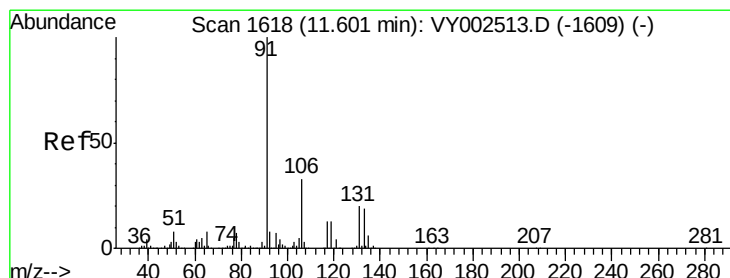
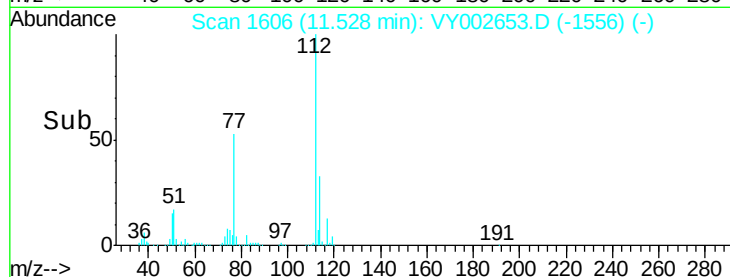
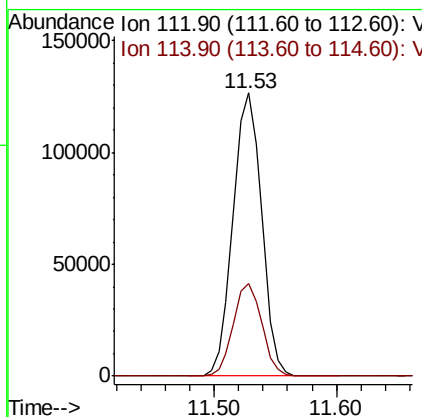
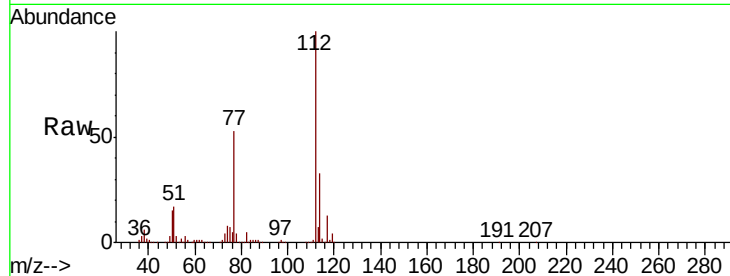
#65
Chlorobenzene
Concen: 20.373 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.8	38.6

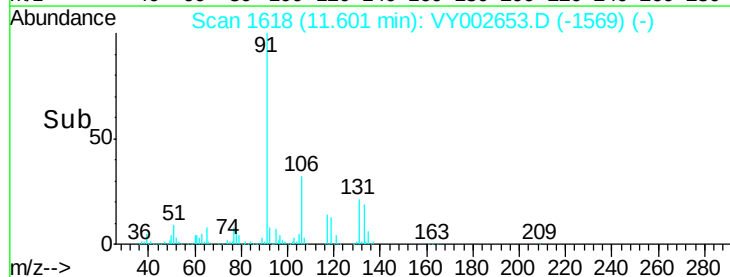
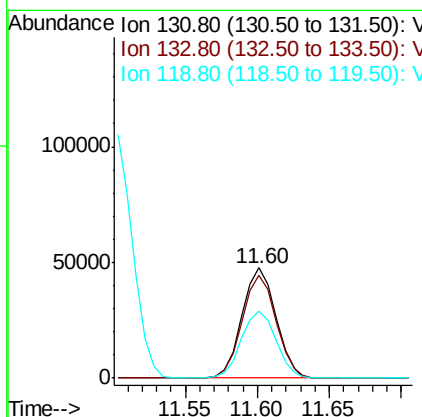
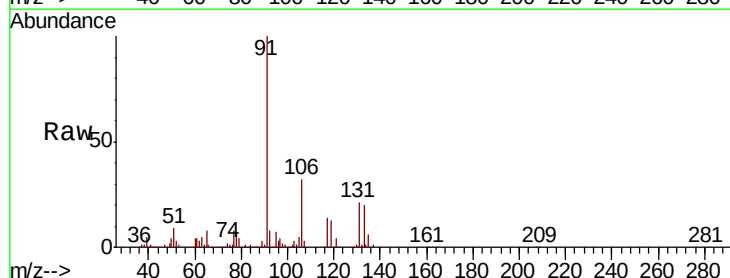
Manual Integrations
APPROVED

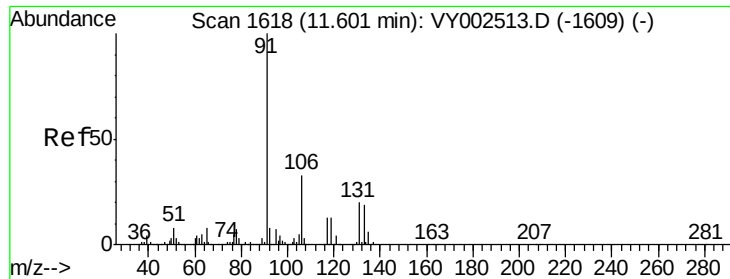
MMDadoda
5/12/2020 12:10:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.841 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.1	144.4
119	62.3	31.6	95.0





#67

Ethyl Benzene

Concen: 20.387 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion: 91 Resp: 359469

Ion Ratio Lower Upper

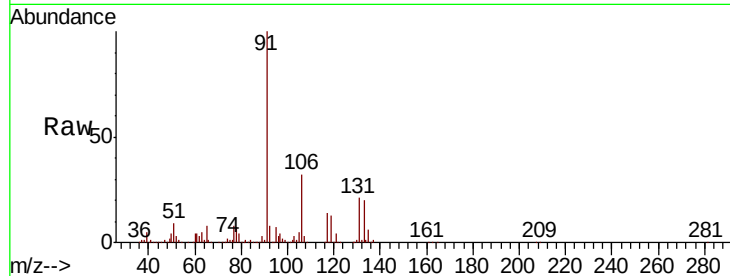
91 100

106 32.2 26.1 39.1

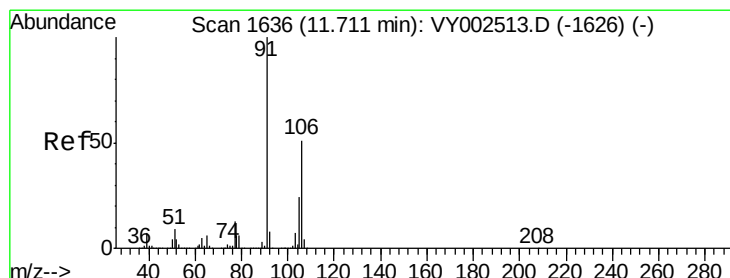
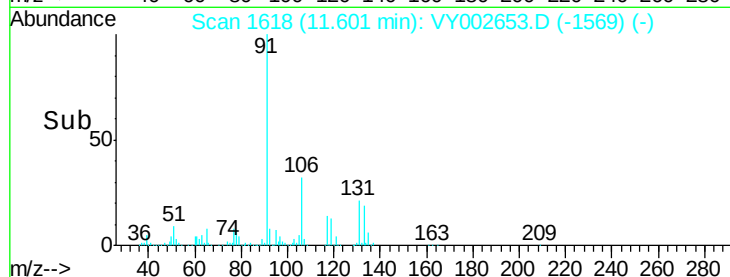
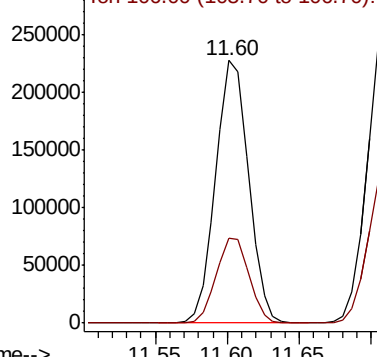
Manual Integrations
APPROVED

MMDadoda

5/12/2020 12:10:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 40.241 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002653.D

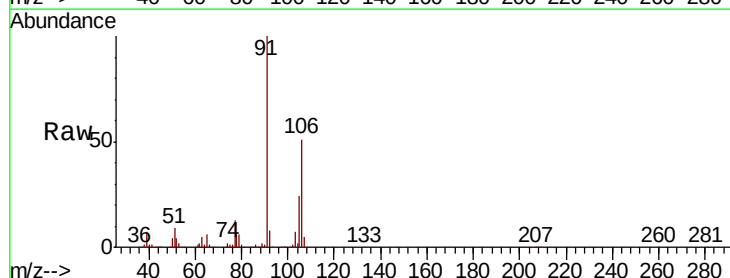
Acq: 11 May 2020 11:16

Tgt Ion: 106 Resp: 274544

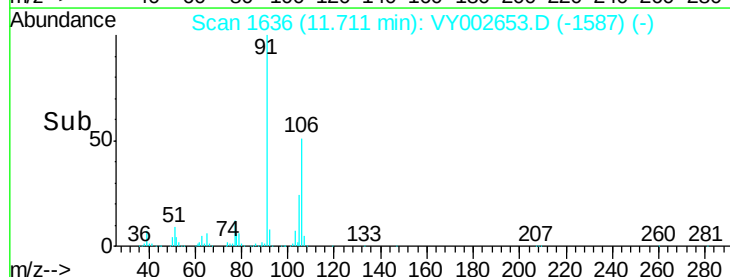
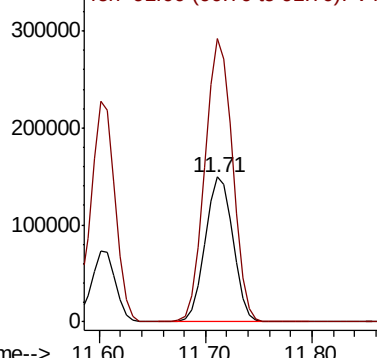
Ion Ratio Lower Upper

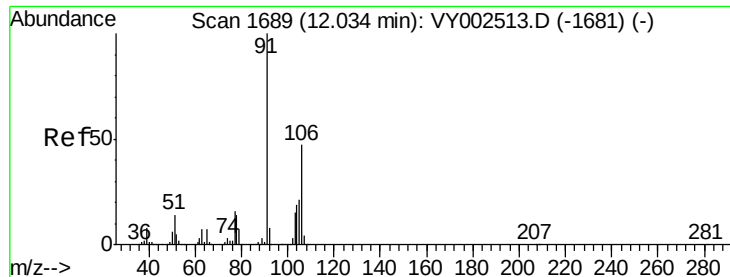
106 100

91 194.7 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VY002513.D (-1626) (-)





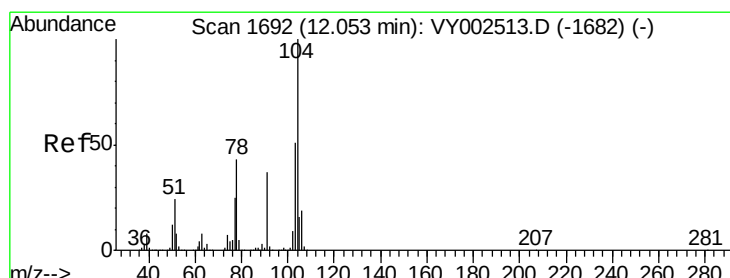
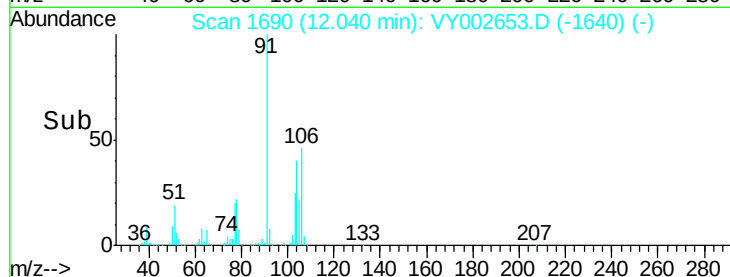
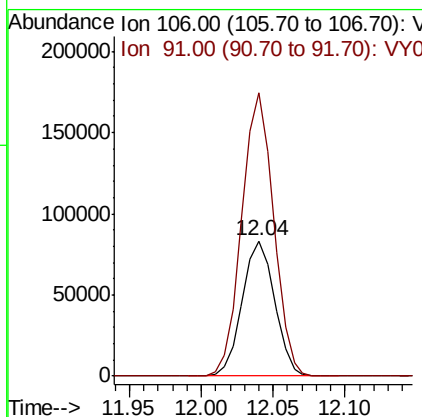
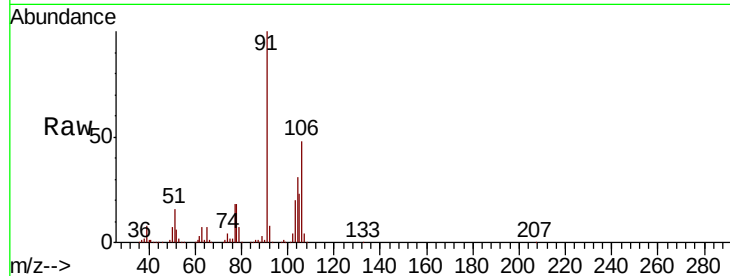
#69
o-Xylene
Concen: 20.302 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	129691		
91	91	206.6	103.8	311.3	

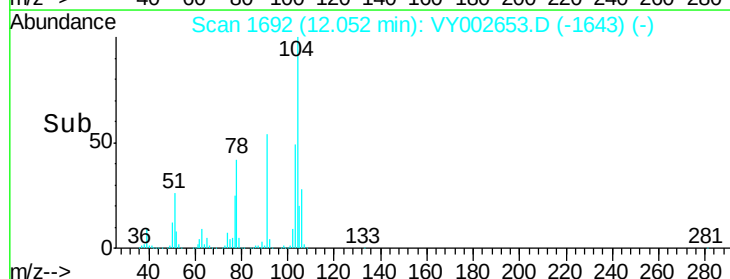
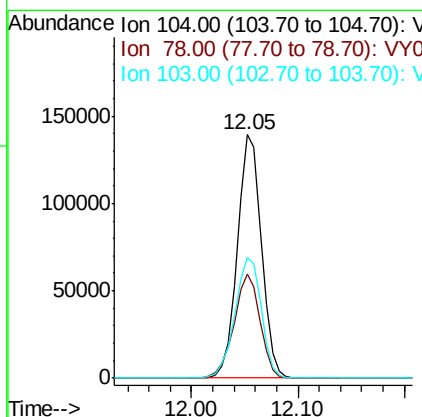
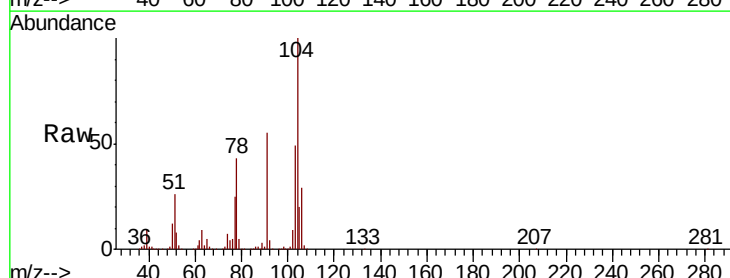
Manual Integrations
APPROVED

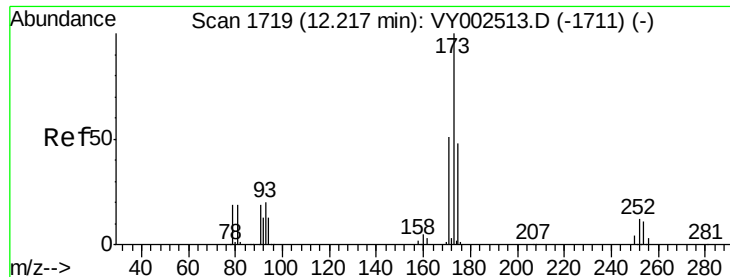
MMDadoda
5/12/2020 12:10:03 PM



#70
Styrene
Concen: 20.274 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	221405		
78	78	46.0	37.4	56.0	
103	103	54.5	43.9	65.9	





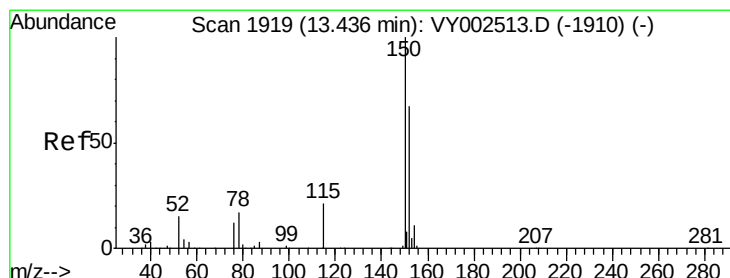
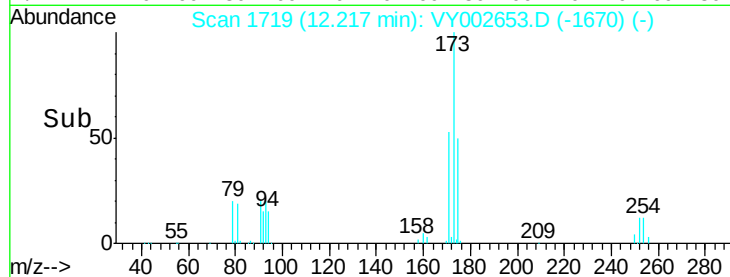
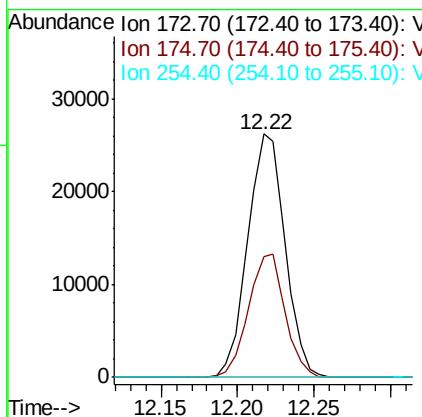
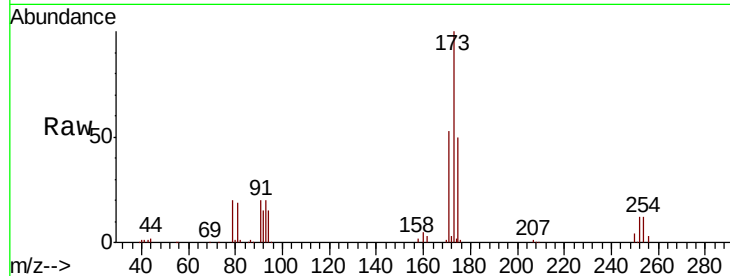
#71
Bromoform
Concen: 19.276 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.0	0.2	0.2

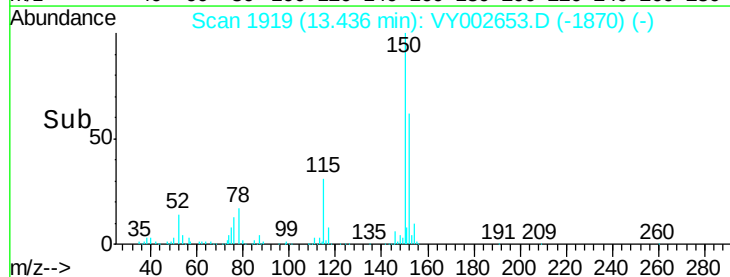
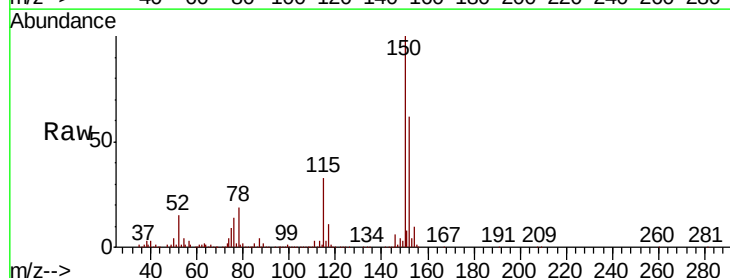
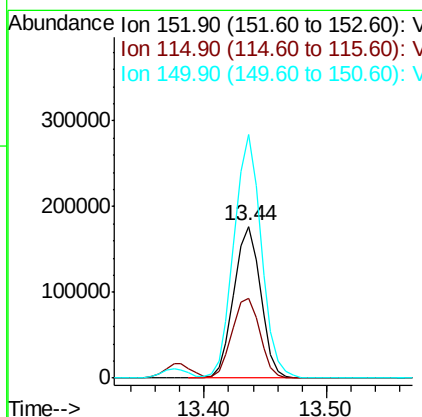
Manual Integrations
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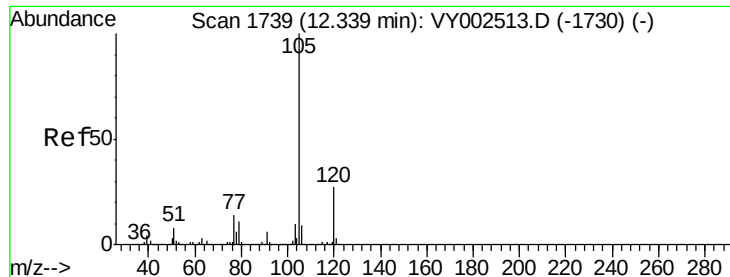
MMDadoda
5/12/2020 12:10:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.4
150	164.3	0.0	346.4





#73

Isopropylbenzene

Concen: 20.852 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0511SBS01

Tot Ion:105 Resp: 362295

Ion Ratio Lower Upper

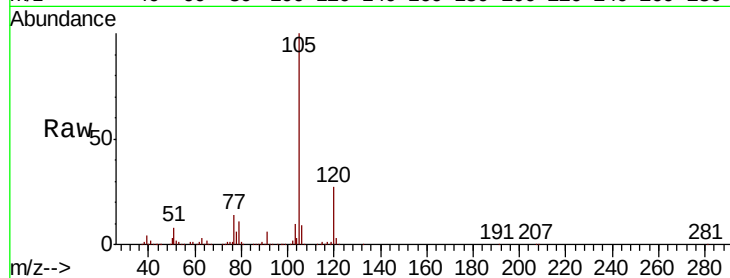
105 100

120 27.7 13.8 41.3

Manual Integrations
APPROVED

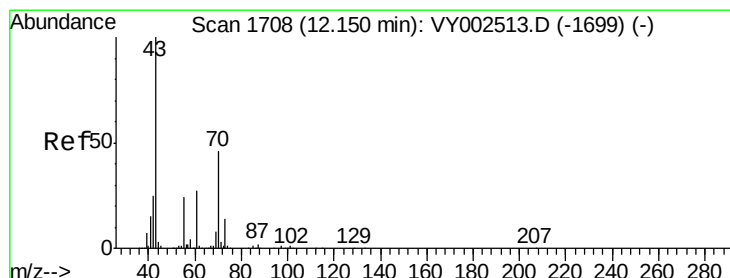
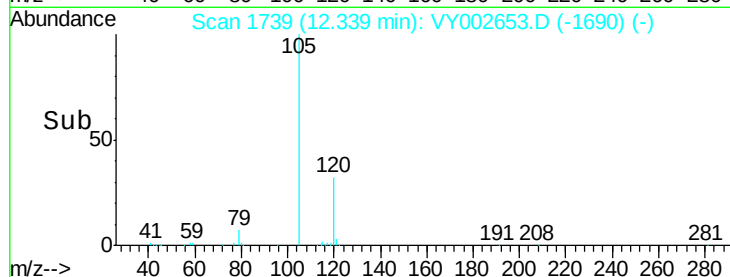
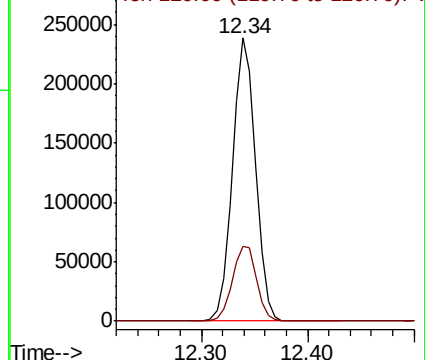
MMDadoda

5/12/2020 12:10:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.145 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tgt Ion: 43 Resp: 80016

Ion Ratio Lower Upper

43 100

70 47.1 36.7 55.1

55 24.9 19.2 28.8

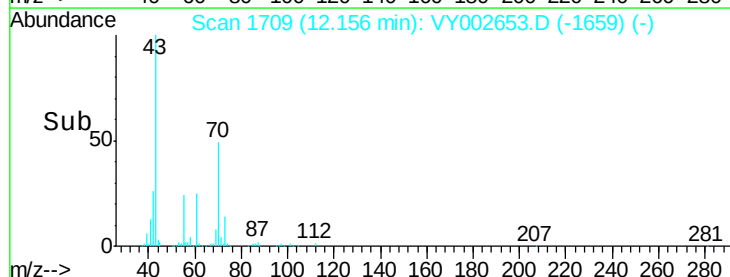
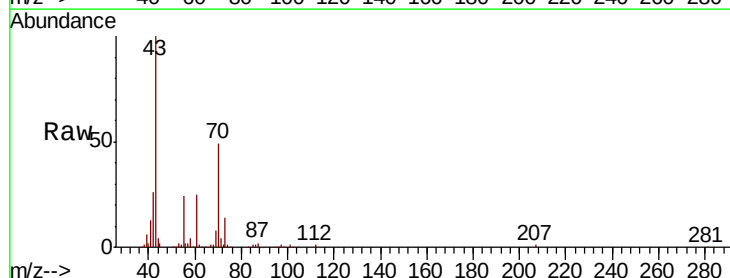
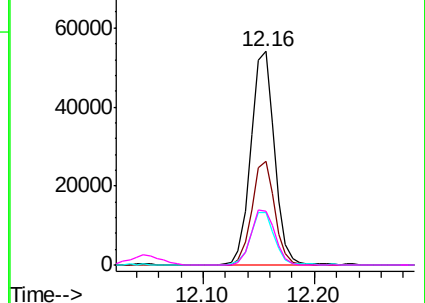
61 26.1 21.1 31.7

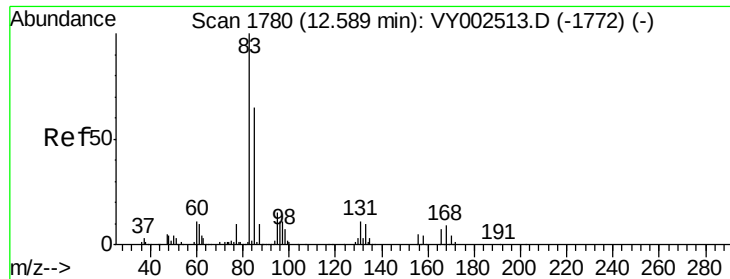
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.086 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Instrument :

MSVOA_Y

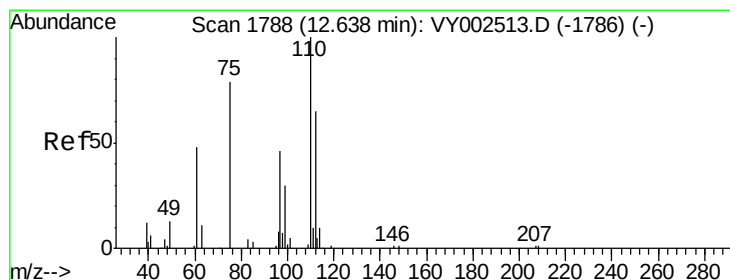
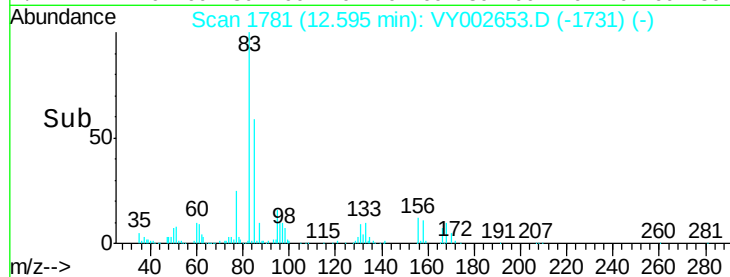
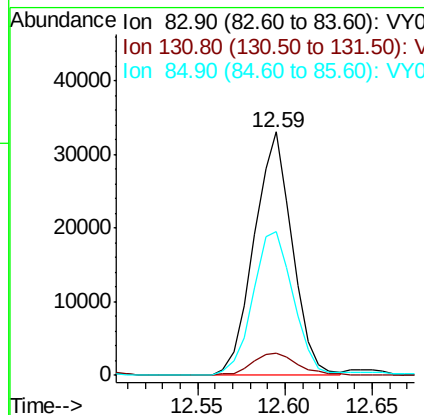
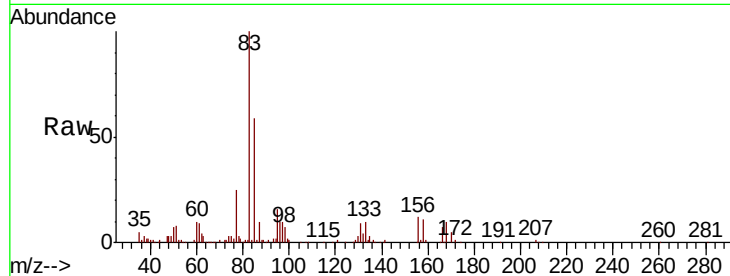
ClientSampleId :

VY0511SBS01

Tot Ion:	83	Resp:	49974
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.9	17.8
85	63.0	31.9	95.9

Manual Integrations
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5/12/2020 12:10:03 PM



#76

1,2,3-Trichloropropane

Concen: 17.726 ug/l m

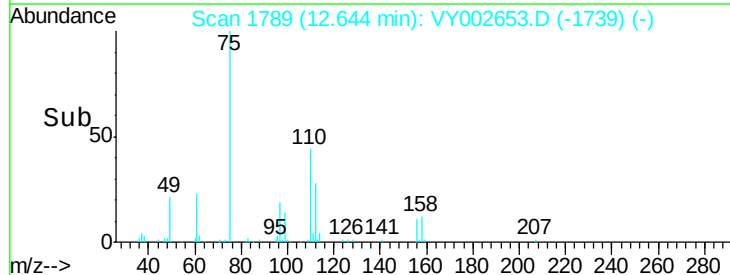
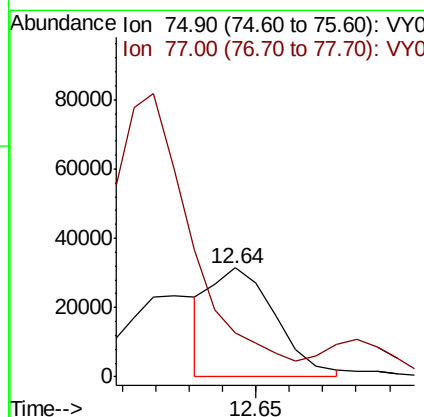
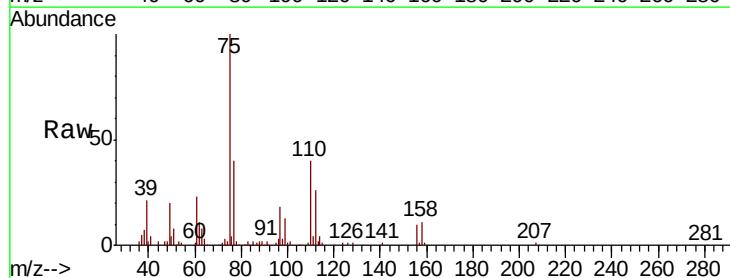
RT: 12.64 min Scan# 1789

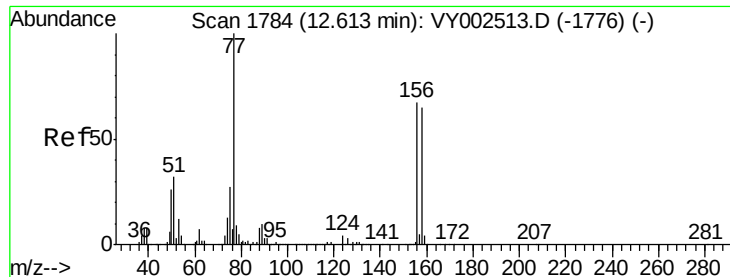
Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tgt Ion:	75	Resp:	42231
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





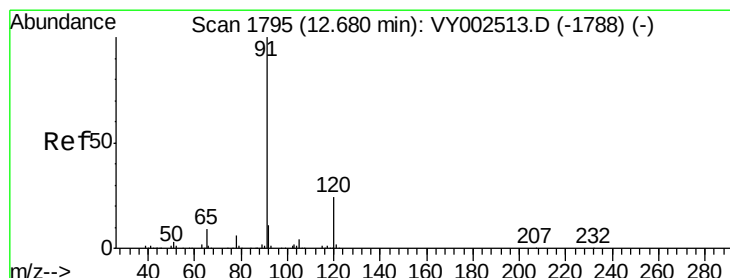
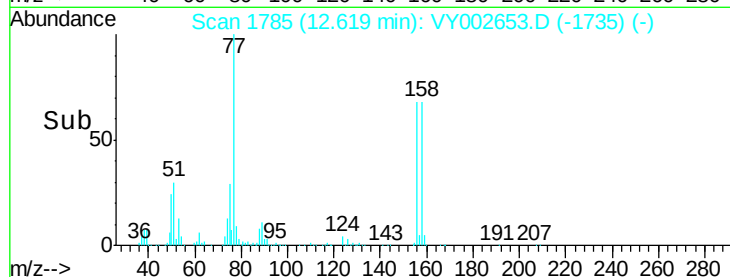
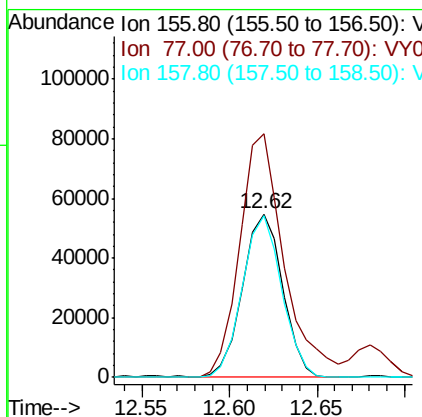
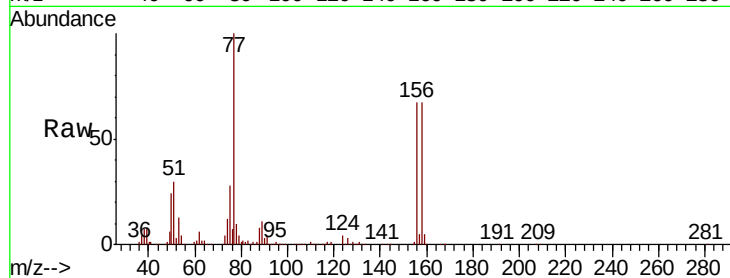
#77
Bromobenzene
Concen: 19.962 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.1	82.0	245.8
158	98.3	48.5	145.6

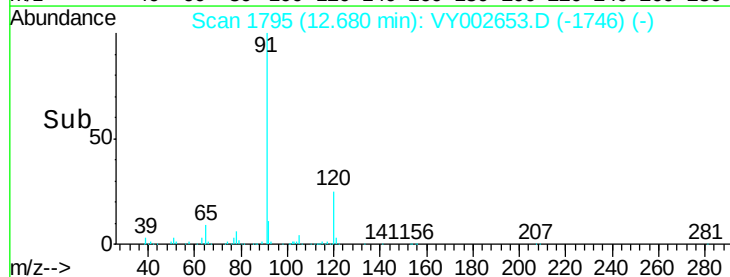
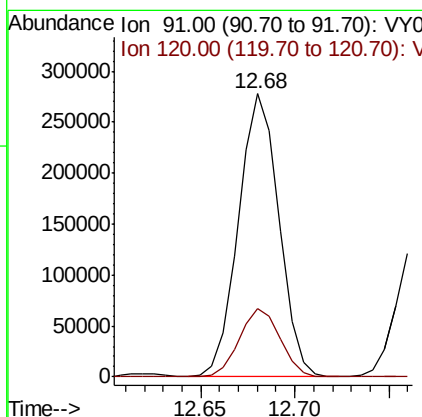
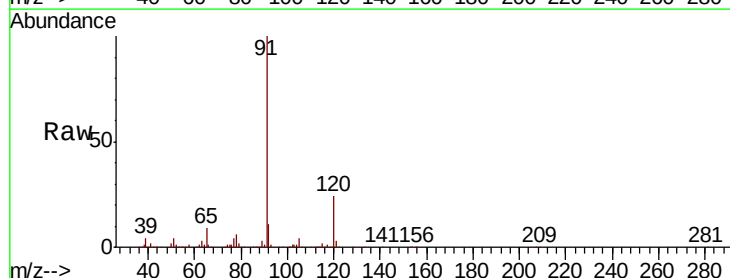
Manual Integrations
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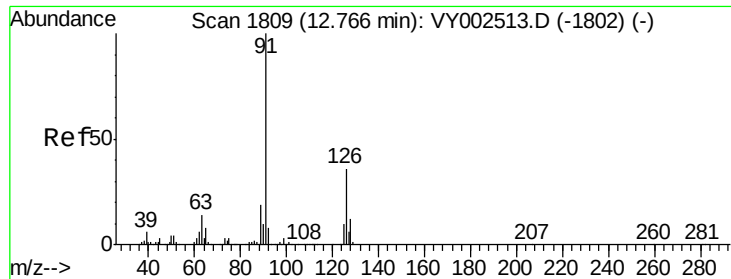
MMDadoda
5/12/2020 12:10:03 PM



#78
n-propylbenzene
Concen: 20.532 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.4





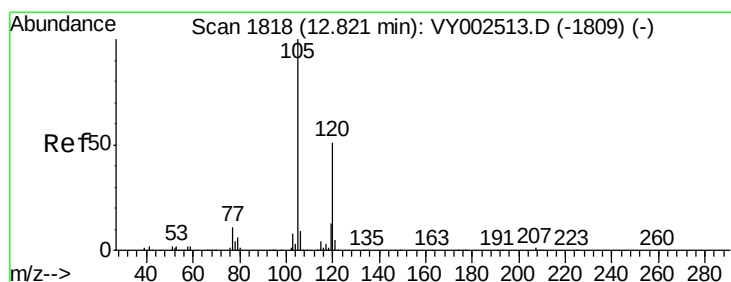
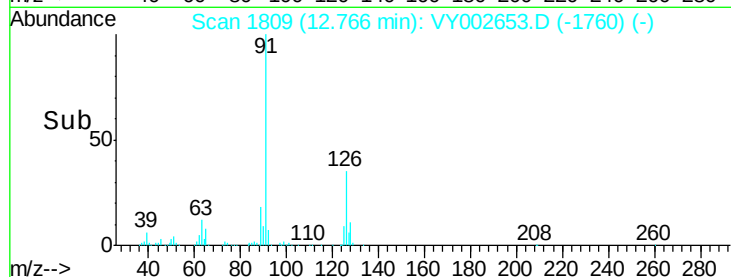
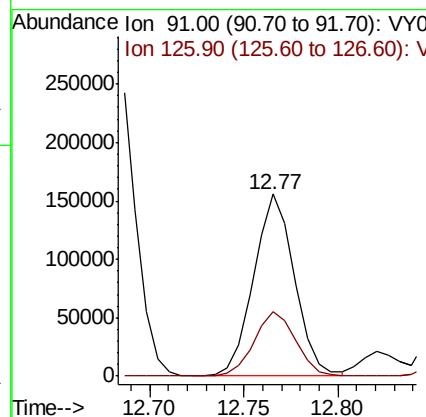
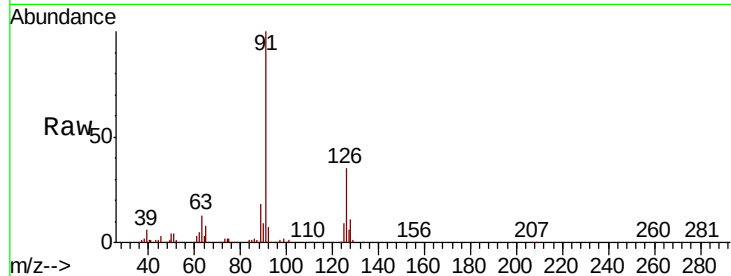
#79
 2-Chlorotoluene
 Concen: 20.859 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion: 91 Resp: 232966
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.4 55.2

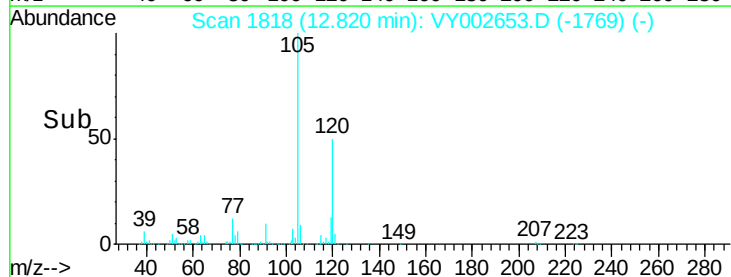
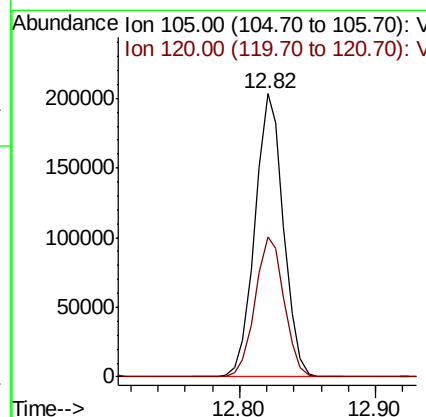
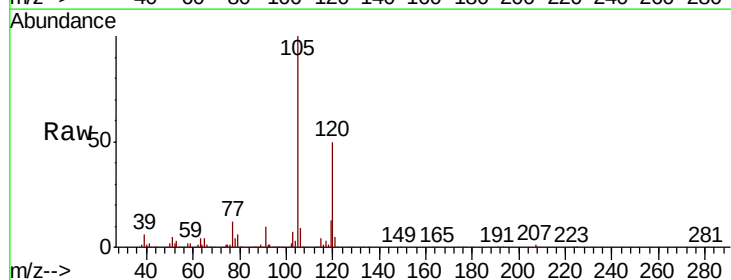
Manual Integrations
 APPROVED

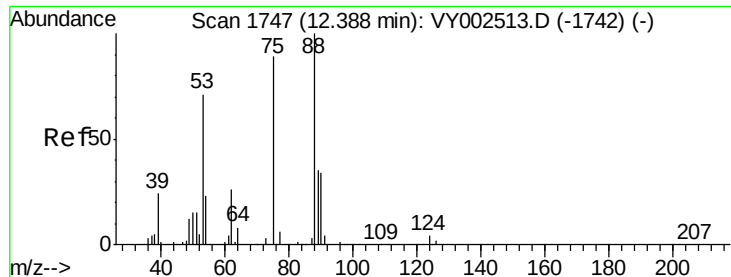
MMDadoda
 5/12/2020 12:10:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.724 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion: 105 Resp: 298473
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.3 75.9





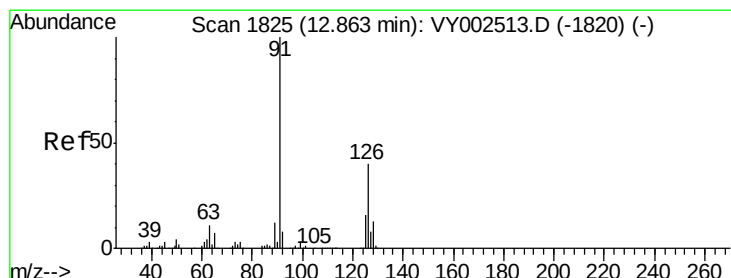
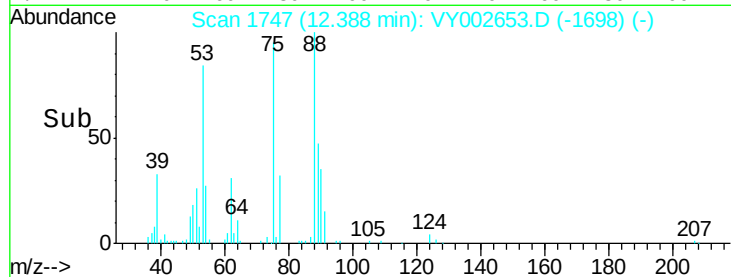
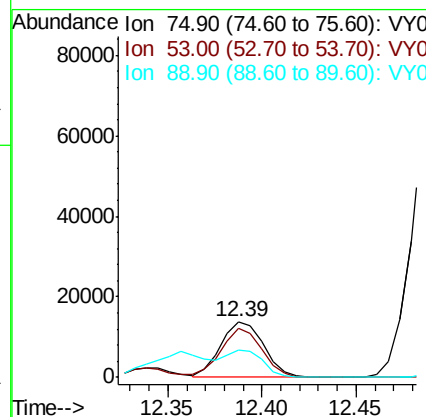
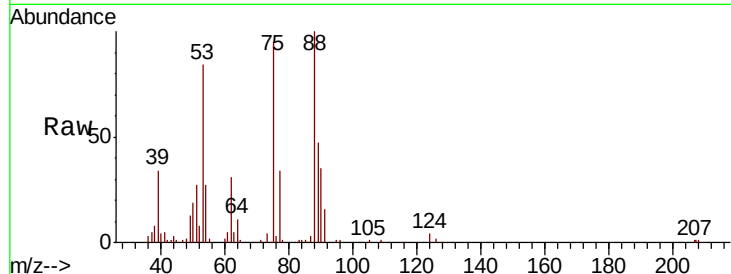
#81
trans-1,4-Dichloro-2-butene
Concen: 18.502 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	67.4	101.0
89	42.4	37.4	56.0

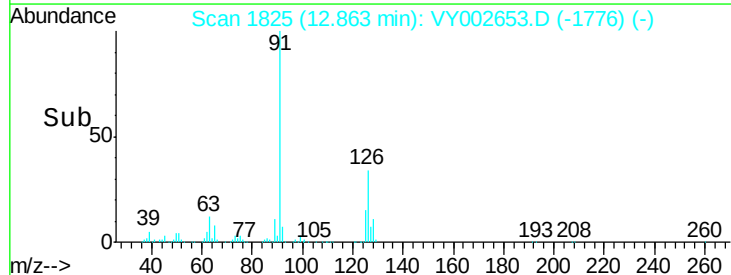
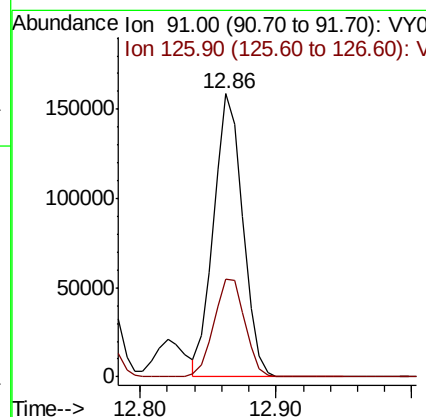
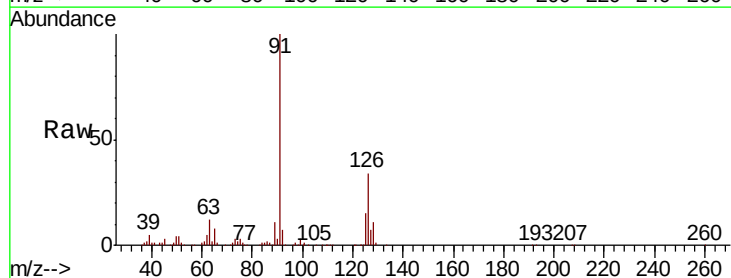
Manual Integrations
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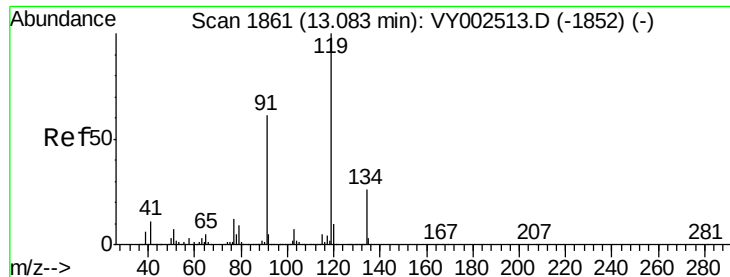
MMDadoda
5/12/2020 12:10:03 PM



#82
4-Chlorotoluene
Concen: 20.025 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5





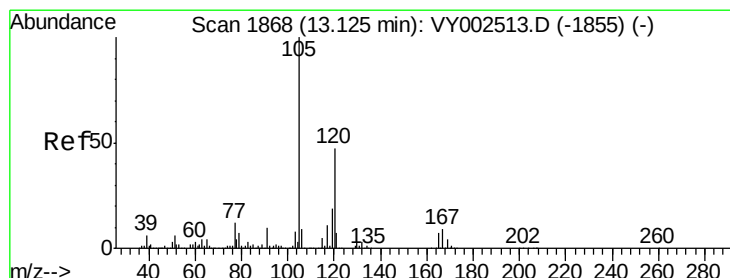
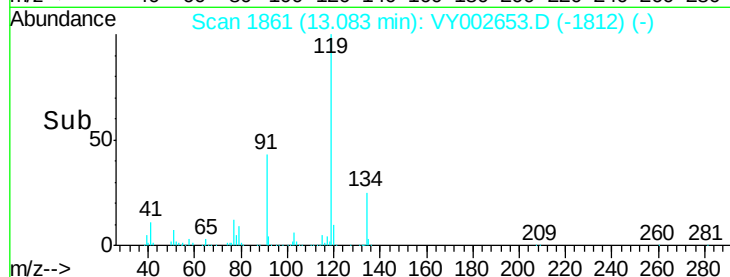
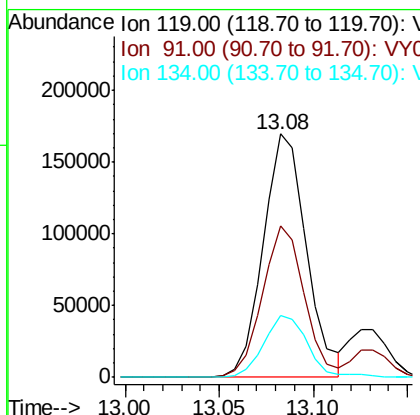
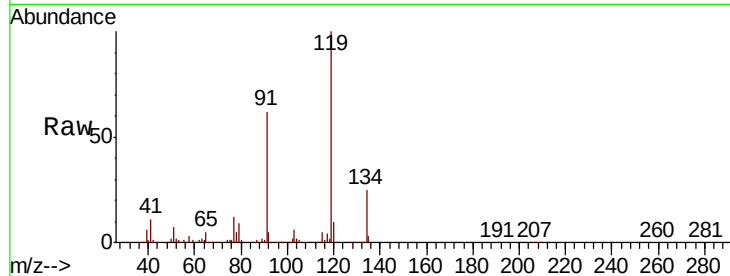
#83
 tert-Butylbenzene
 Concen: 21.356 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	269692		
91	60.3		30.6	91.6
134	26.0		13.5	40.4

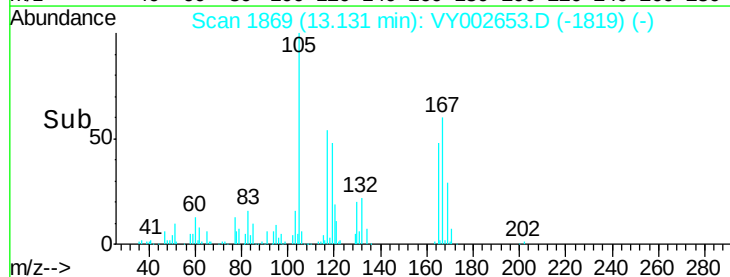
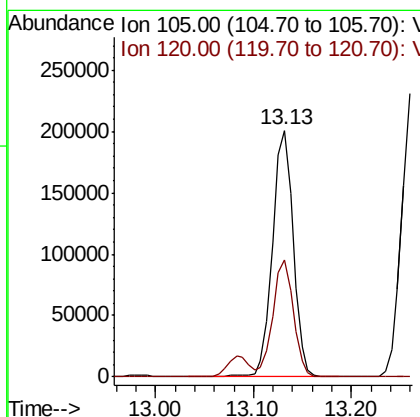
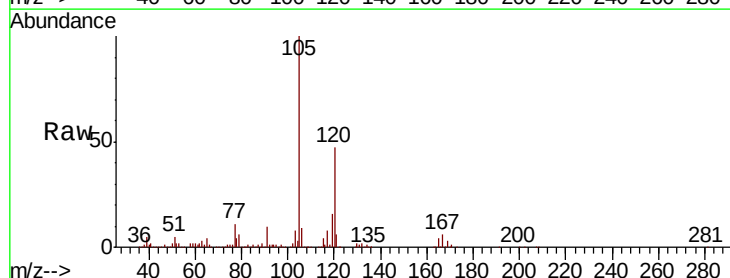
Manual Integrations
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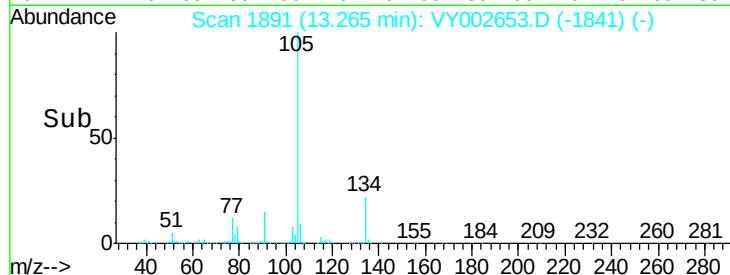
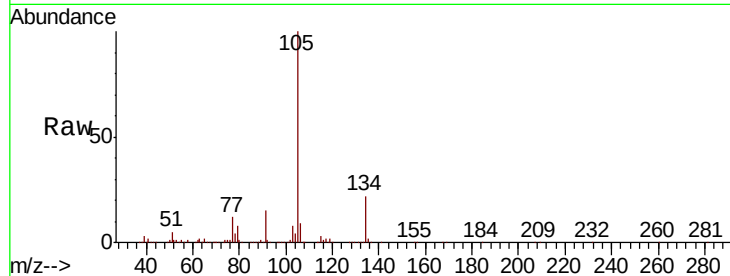
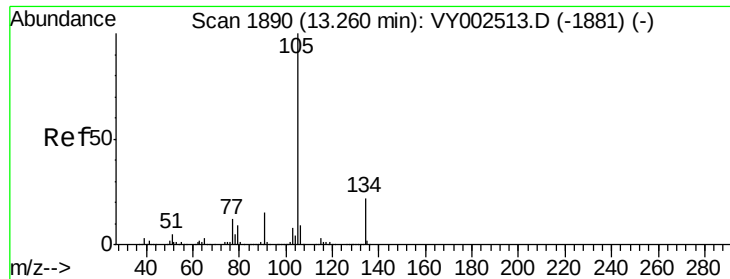
MMDadoda
 5/12/2020 12:10:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.656 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296481		
120	47.3		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.744 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

Tot Ion:105 Resp: 363501

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3

Instrument :

MSVOA_Y

ClientSampleId :

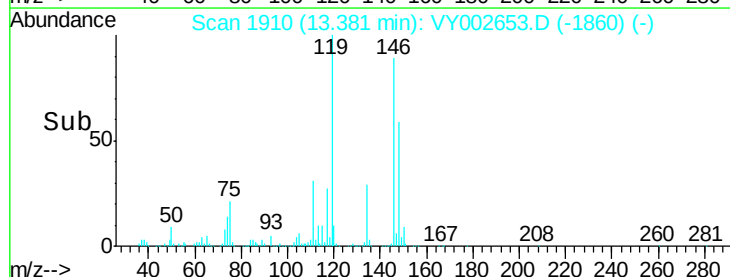
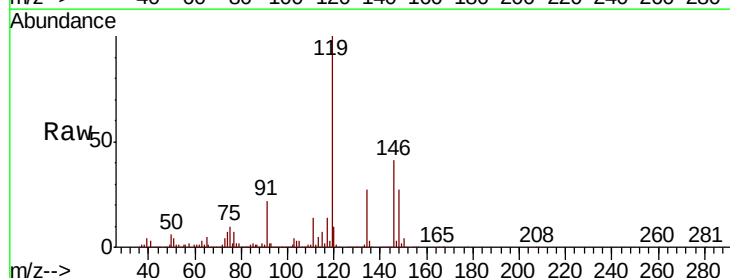
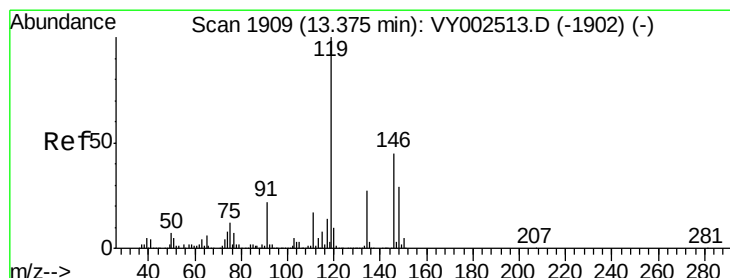
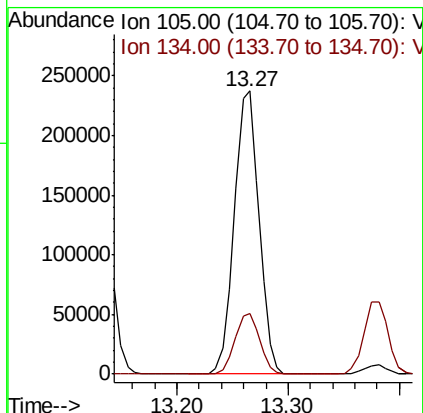
VY0511SBS01

Manual Integrations

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5/12/2020 12:10:03 PM



#86

p-Isopropyltoluene

Concen: 20.789 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002653.D

Acq: 11 May 2020 11:16

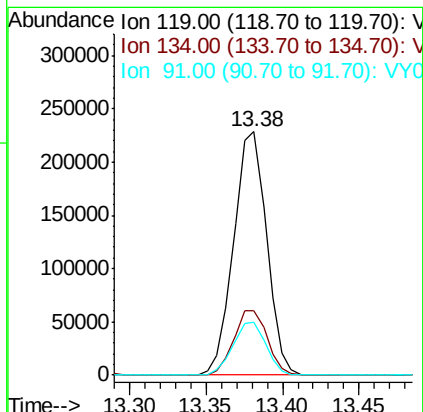
Tgt Ion:119 Resp: 341329

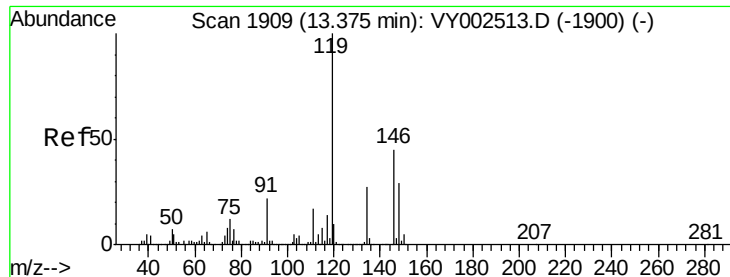
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 21.7 10.9 32.9





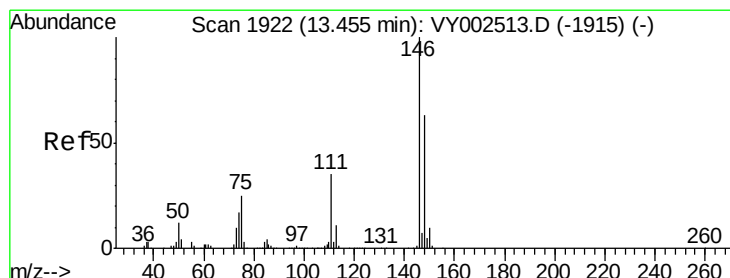
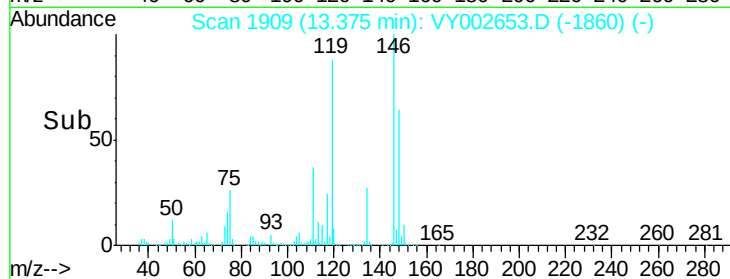
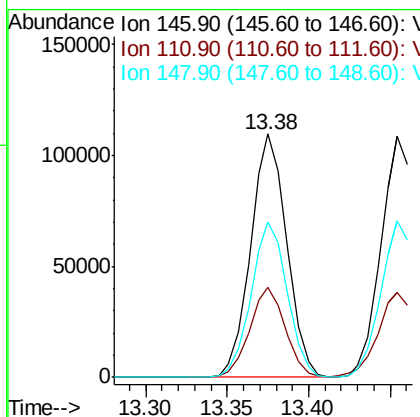
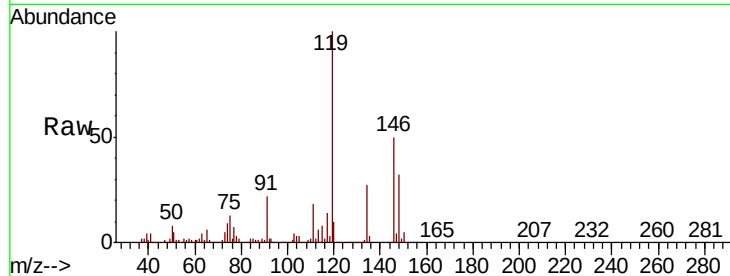
#87
 1,3-Dichlorobenzene
 Concen: 20.456 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168059		
111	36.5	18.8	56.3	
148	63.9	32.1	96.3	

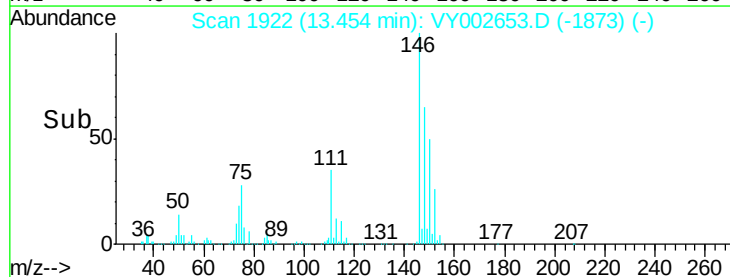
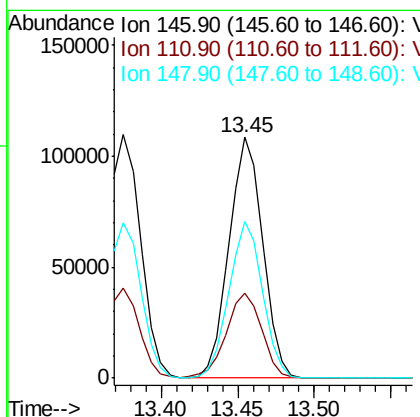
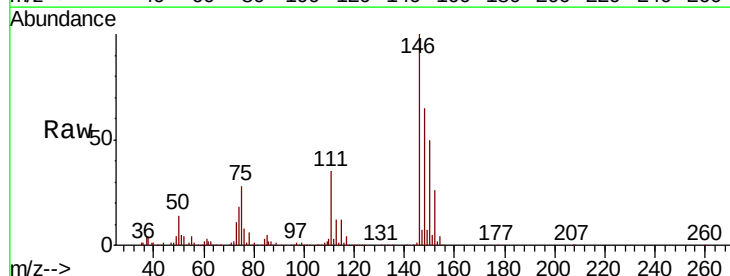
Manual Integrations
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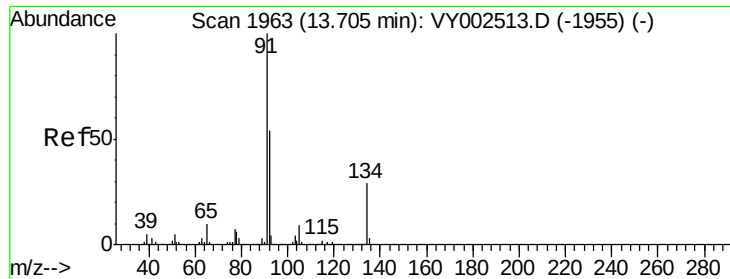
MMDadoda
 5/12/2020 12:10:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.406 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166010		
111	36.9	18.1	54.1	
148	64.7	31.9	95.5	





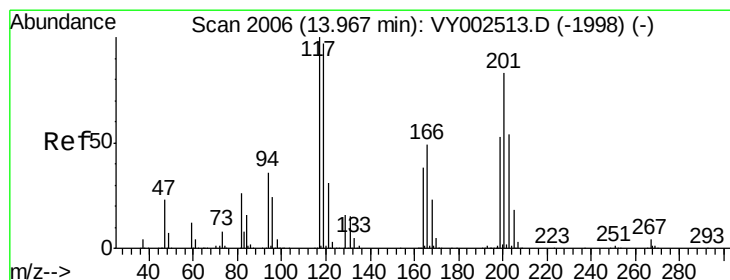
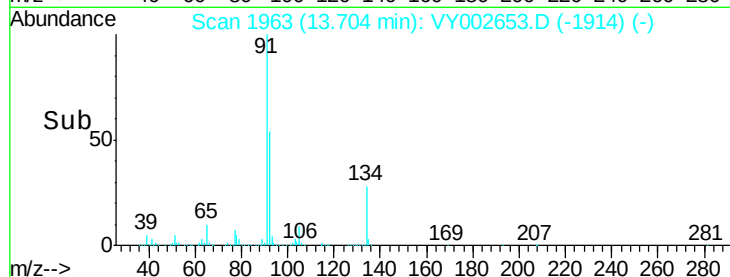
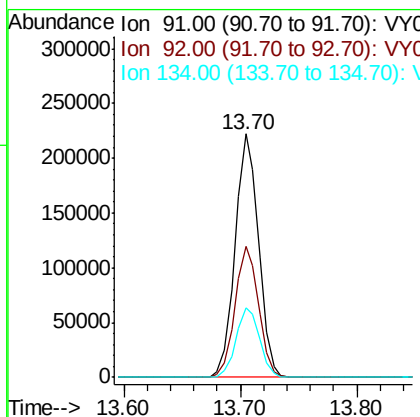
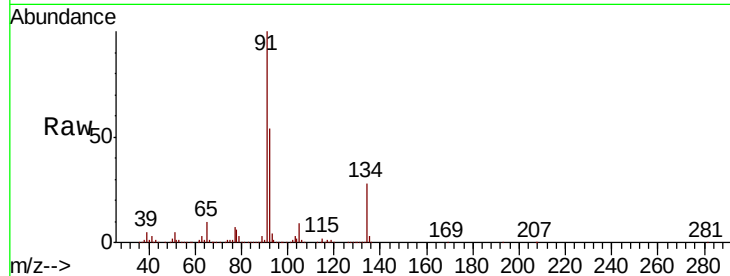
#89
n-Butylbenzene
Concen: 20.830 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	28.5	14.4	43.0

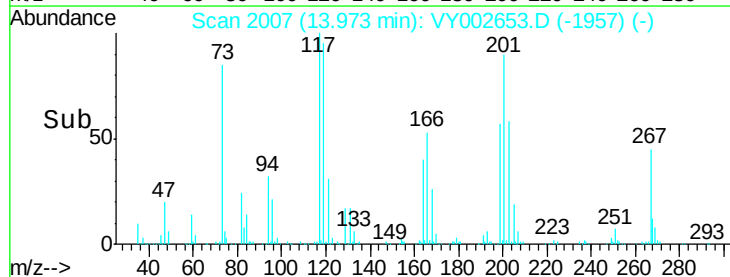
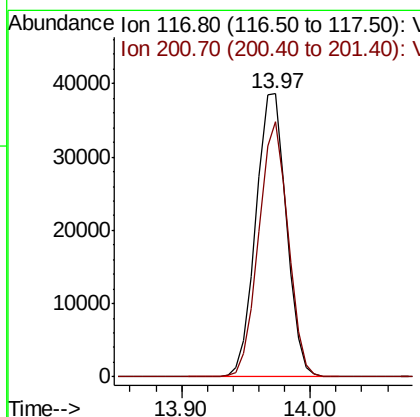
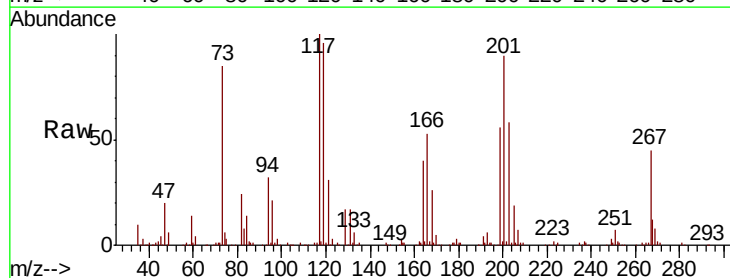
Manual Integrations
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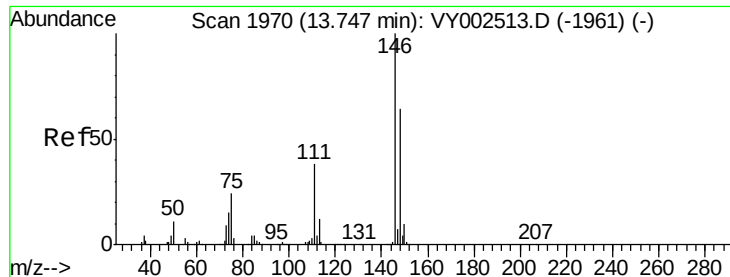
MMDadoda
5/12/2020 12:10:03 PM



#90
Hexachloroethane
Concen: 21.142 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.4	133.2





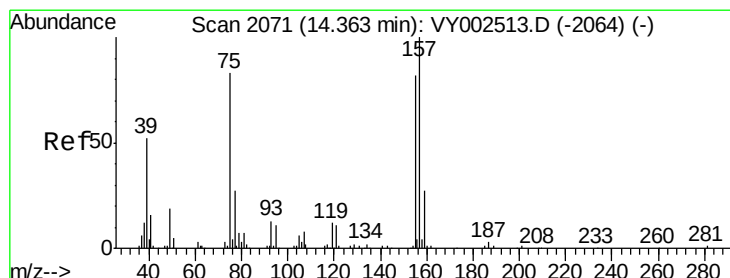
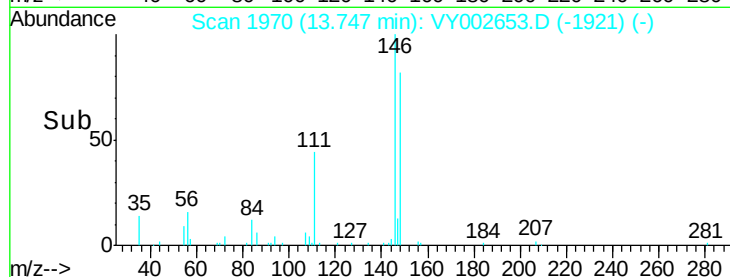
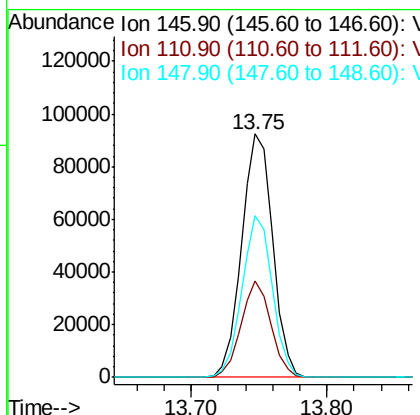
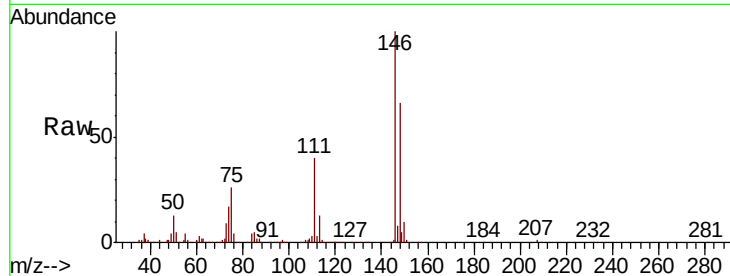
#91
 1,2-Dichlorobenzene
 Concen: 20.123 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.9	31.9	95.7

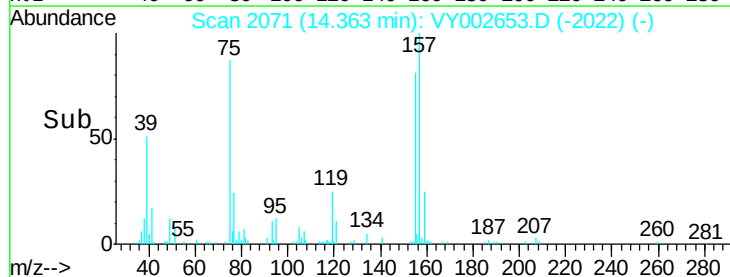
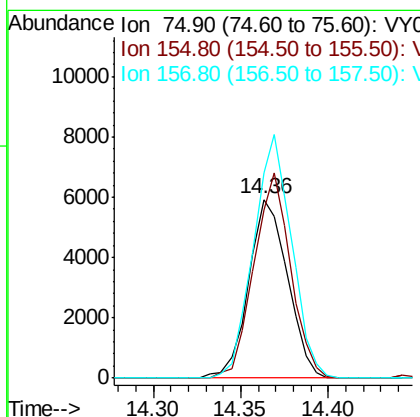
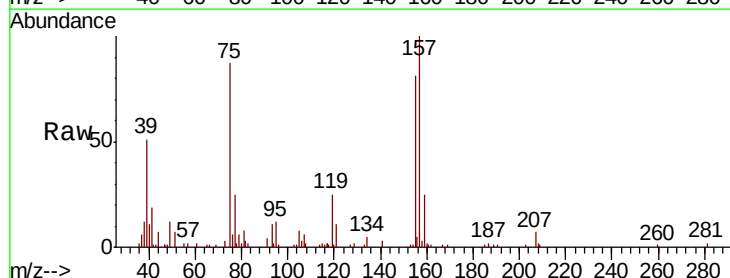
Manual Integrations
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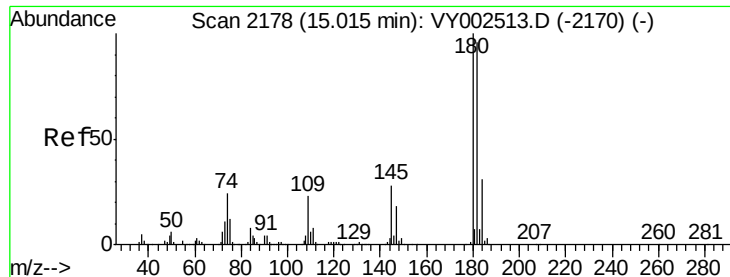
MMDadoda
 5/12/2020 12:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.795 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.0	51.3	153.9
157	133.3	65.0	195.0





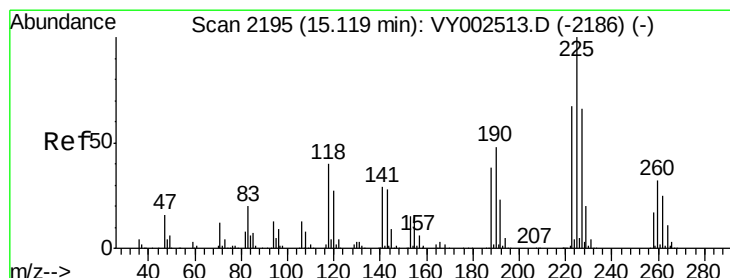
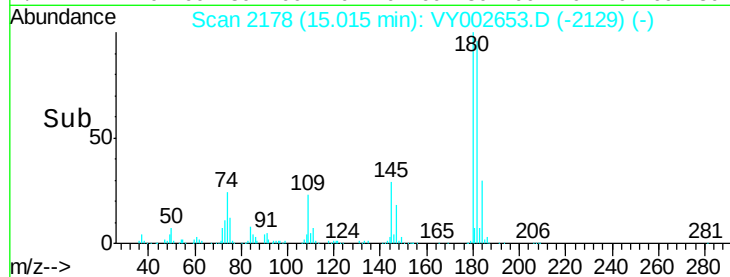
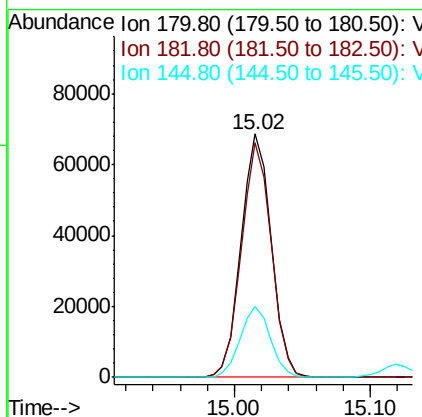
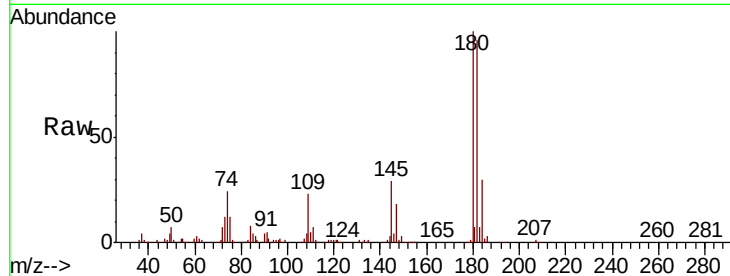
#93
 1,2,4-Trichlorobenzene
 Concen: 19.975 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106318		
182	95.8	47.9	143.6	
145	29.4	14.4	43.0	

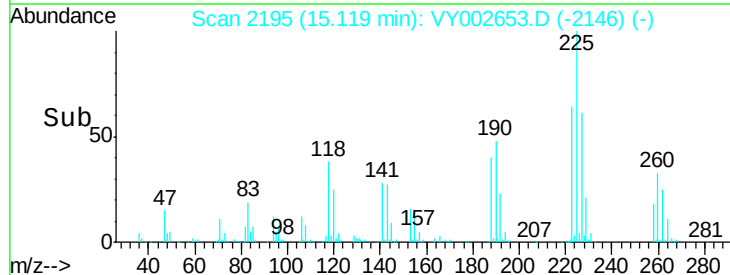
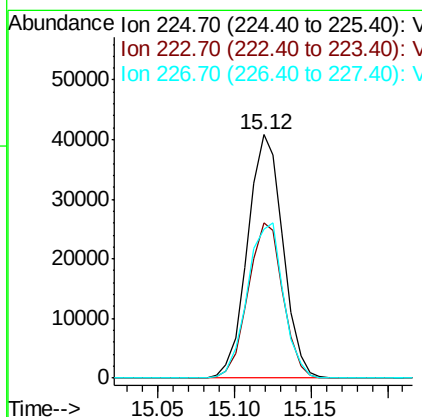
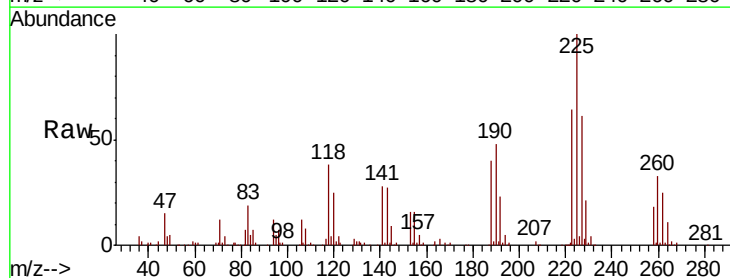
Manual Integrations
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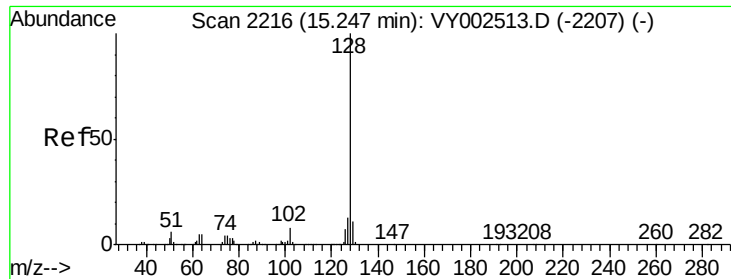
MMDadoda
 5/12/2020 12:10:03 PM



#94
 Hexachlorobutadiene
 Concen: 20.509 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002653.D
 Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65521		
223	62.9	32.1	96.5	
227	64.8	32.0	96.2	





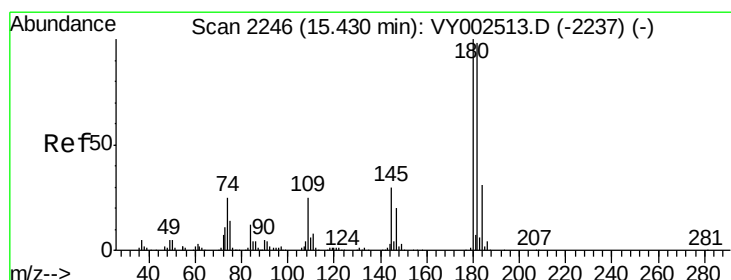
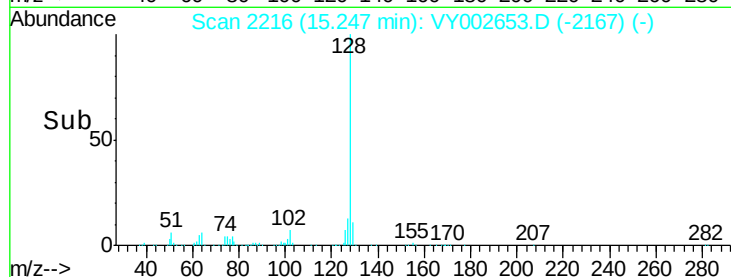
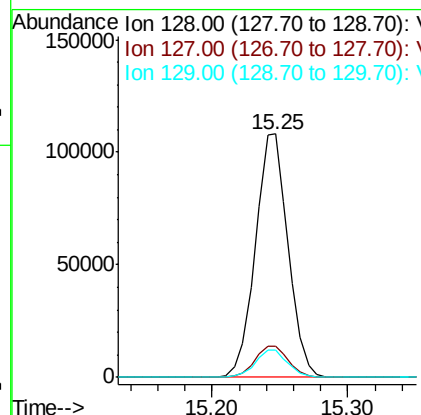
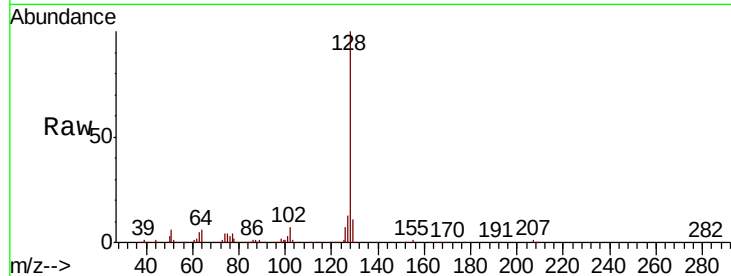
#95
Naphthalene
Concen: 18.708 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181639		
127	13.0		10.5	15.7
129	11.1		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/12/2020 12:10:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.408 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002653.D
Acq: 11 May 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87692		
182	96.1		47.9	143.8
145	30.5		15.0	45.1

