

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003458.D
 Acq On : 05 Oct 2020 16:57
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:43 PM

Quant Time: Oct 06 04:15:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 06 04:02:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	547985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	774638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	743037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	394545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	815222	155.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.28%	
35) Dibromofluoromethane	7.72	113	717493	157.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.70%	
50) Toluene-d8	10.18	98	2965146	164.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.84%	
62) 4-Bromofluorobenzene	12.48	95	1037130	167.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	564671	127.758	ug/l	99
3) Chloromethane	2.12	50	790646	129.856	ug/l	98
4) Vinyl Chloride	2.25	62	888448	144.406	ug/l	98
5) Bromomethane	2.63	94	770421	161.389	ug/l	99
6) Chloroethane	2.79	64	563084	145.904	ug/l	99
7) Trichlorofluoromethane	3.12	101	1111031	135.369	ug/l	99
8) Diethyl Ether	3.53	74	371369	130.901	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	622477	128.346	ug/l	100
10) Methyl Iodide	4.10	142	650762	125.094	ug/l	99
11) Tert butyl alcohol	4.97	59	352438	629.476	ug/l	97
12) 1,1-Dichloroethene	3.87	96	626537	132.977	ug/l	99
13) Acrolein	3.73	56	336516	616.589	ug/l	97
14) Allyl chloride	4.48	41	1112130	139.027	ug/l	99
15) Acrylonitrile	5.17	53	874740	622.720	ug/l	98
16) Acetone	3.95	43	912306	703.303	ug/l	100
17) Carbon Disulfide	4.19	76	1993370	129.563	ug/l	100
18) Methyl Acetate	4.48	43	432141	127.515	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	1668287	128.349	ug/l	99
20) Methylene Chloride	4.72	84	716049	83.293	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	731724	136.228	ug/l	95
22) Diisopropyl ether	6.13	45	2073411	125.604	ug/l	99
23) Vinyl Acetate	6.07	43	7617446	692.693	ug/l	99
24) 1,1-Dichloroethane	6.02	63	1282497	136.822	ug/l	99
25) 2-Butanone	6.99	43	1337495	683.736	ug/l	98
26) 2,2-Dichloropropane	6.99	77	1149668	137.297	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	822713	139.269	ug/l	100
28) Bromochloromethane	7.34	49	642962	167.412	ug/l	99
29) Tetrahydrofuran	7.35	42	772103	615.961	ug/l	99
30) Chloroform	7.51	83	1300692	139.337	ug/l	98
31) Cyclohexane	7.78	56	1090770	121.542	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	1189164	139.453	ug/l	100
36) 1,1-Dichloropropene	7.92	75	1040352	143.175	ug/l	99
37) Ethyl Acetate	7.08	43	585121	140.314	ug/l	99
38) Carbon Tetrachloride	7.90	117	1089725	145.253	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	1201978	137.266	ug/l	99
40) Benzene	8.16	78	2962820	146.199	ug/l	100
41) Methacrylonitrile	7.33	41	320285m	137.662	ug/l	
42) 1,2-Dichloroethane	8.24	62	913006	146.680	ug/l	100
43) Isopropyl Acetate	8.28	43	1138159	144.422	ug/l	100
44) Trichloroethene	8.94	130	868601	148.743	ug/l	99
45) 1,2-Dichloropropane	9.22	63	756019	143.190	ug/l	98
46) Dibromomethane	9.30	93	416651	140.025	ug/l	99
47) Bromodichloromethane	9.50	83	1047109	146.374	ug/l	99
48) Methyl methacrylate	9.29	41	547382	152.389	ug/l	98
49) 1,4-Dioxane	9.30	88	99714	2624.933	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	2957847	713.585	ug/l	98
52) Toluene	10.24	92	1936394	151.804	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	1135065	148.466	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	1276697	147.986	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	602082	144.414	ug/l	97
56) Ethyl methacrylate	10.51	69	859277	148.978	ug/l	98
57) 1,3-Dichloropropane	10.79	76	1046971	144.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	2172578	794.732	ug/l	100
59) 2-Hexanone	10.83	43	2100818	725.920	ug/l	98
60) Dibromochloromethane	10.99	129	776548	147.927	ug/l	100
61) 1,2-Dibromoethane	11.09	107	580960	143.405	ug/l	100
64) Tetrachloroethene	10.72	164	943980	151.054	ug/l	99
65) Chlorobenzene	11.52	112	2128417	146.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	827765	146.811	ug/l	99
67) Ethyl Benzene	11.59	91	3907963	149.519	ug/l	100
68) m/p-Xylenes	11.70	106	2991559	302.924	ug/l	99
69) o-Xylene	12.03	106	1410875	152.774	ug/l	99
70) Styrene	12.04	104	2436557	153.955	ug/l	99
71) Bromoform	12.20	173	529706	144.100	ug/l #	99
73) Isopropylbenzene	12.33	105	3791621	150.430	ug/l	100
74) N-amyl acetate	12.14	43	1051097	141.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	684229	137.661	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	491544m	139.902	ug/l	
77) Bromobenzene	12.61	156	976831	151.825	ug/l	99
78) n-propylbenzene	12.67	91	4430761	147.270	ug/l	100
79) 2-Chlorotoluene	12.75	91	2495921	148.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	3213752	151.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	270999	145.921	ug/l	96
82) 4-Chlorotoluene	12.85	91	2616589	150.207	ug/l	99
83) tert-Butylbenzene	13.07	119	2856827	155.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	3239907	151.872	ug/l	100
85) sec-Butylbenzene	13.25	105	3806736	148.654	ug/l	99
86) p-Isopropyltoluene	13.37	119	3687261	153.345	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1869142	151.717	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	1798356	148.265	ug/l	99
89) n-Butylbenzene	13.69	91	3276133	145.284	ug/l	99
90) Hexachloroethane	13.96	117	575792	129.025	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	1616488	148.421	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	121179	147.485	ug/l	98

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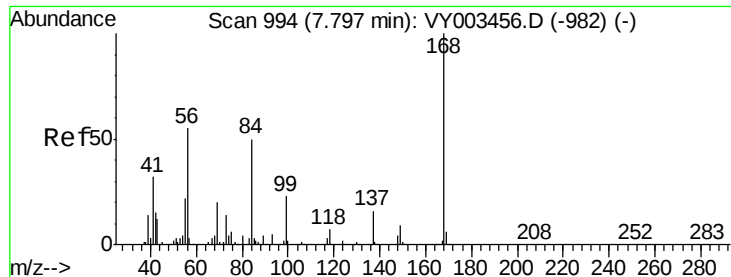
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	1201152	154.650	ug/l	99
94) Hexachlorobutadiene	15.11	225	752912	146.971	ug/l	99
95) Naphthalene	15.23	128	2175283	163.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	1032688	162.584	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 547985

Ion Ratio Lower Upper

168 100

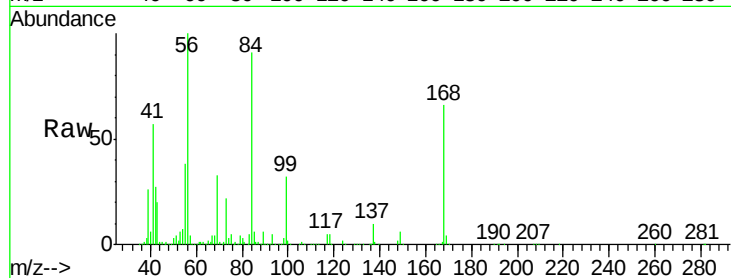
99 48.8 40.4 60.6

Manual Integrations

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10/6/2020 12:55:43 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003456.D (-982) (-)

Ion 98.90 (98.60 to 99.60): VY003456.D (-982) (-)

300000

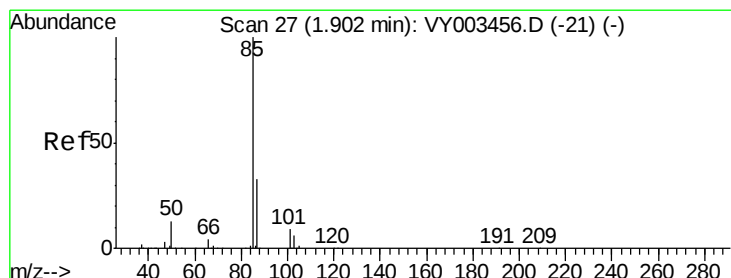
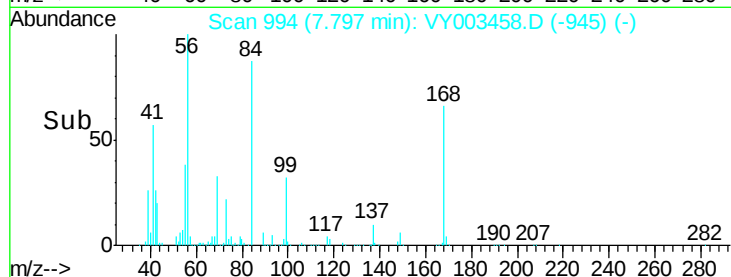
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100000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 127.758 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003458.D

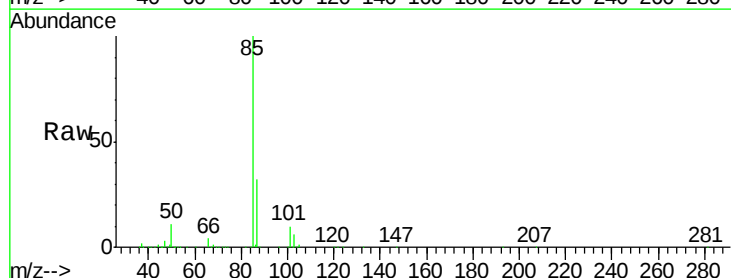
Acq: 05 Oct 2020 16:57

Tgt Ion: 85 Resp: 564671

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY003456.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003456.D (-21) (-)

400000

300000

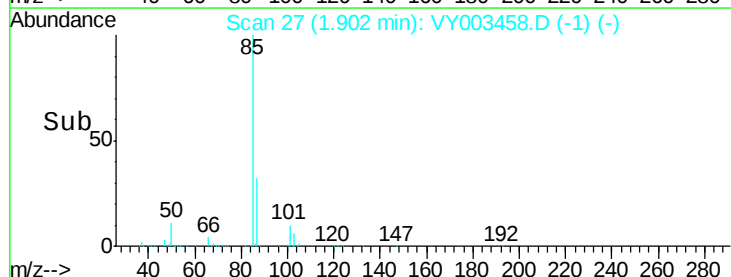
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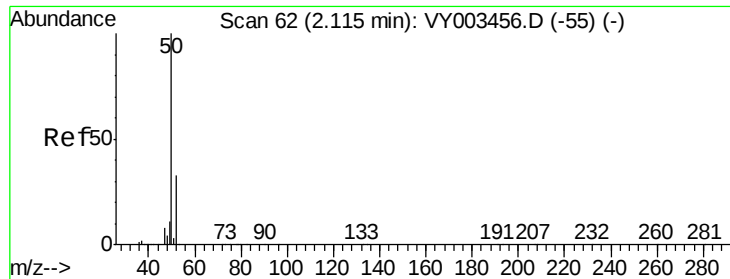
100000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 129.856 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 790646

Ion Ratio Lower Upper

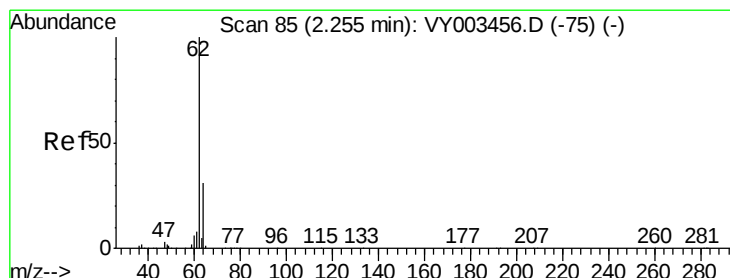
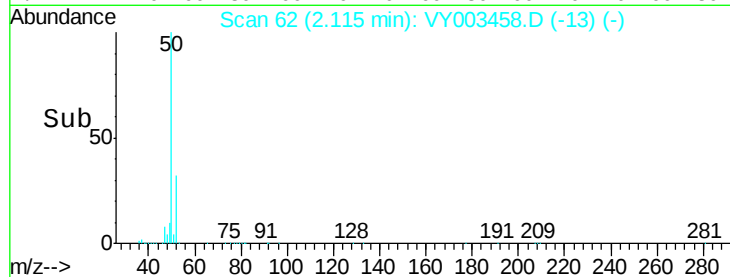
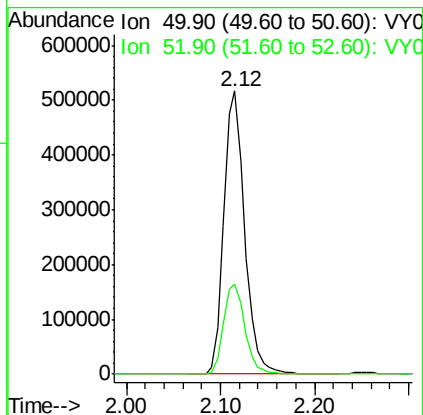
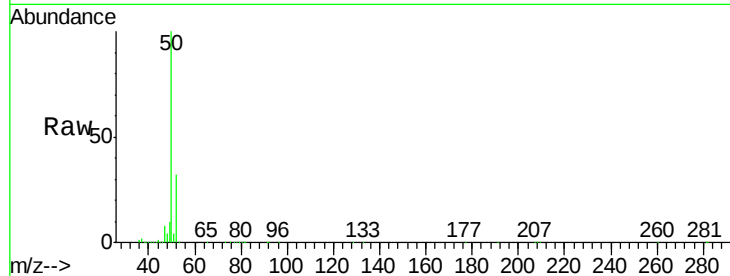
50 100

52 32.0 26.4 39.6

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#4

Vinyl Chloride

Concen: 144.406 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY003458.D

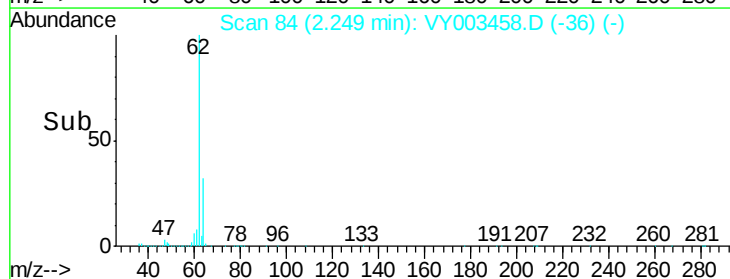
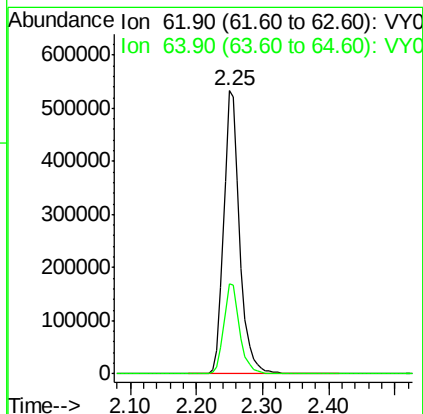
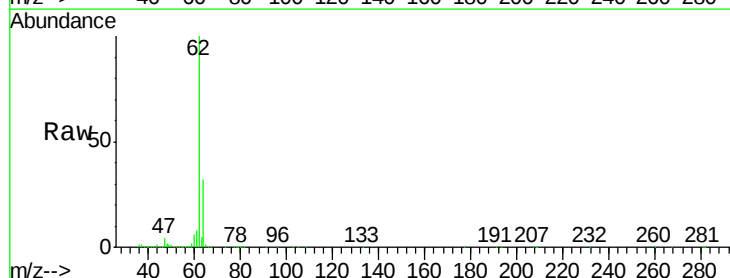
Acq: 05 Oct 2020 16:57

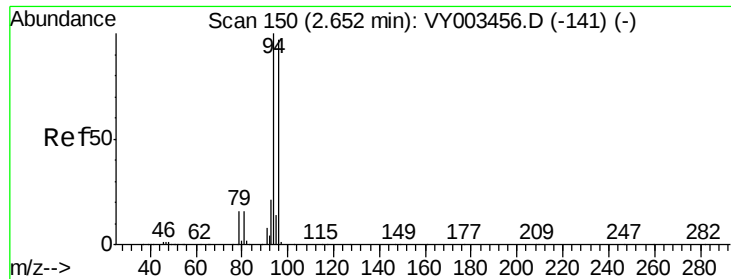
Tgt Ion: 62 Resp: 888448

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 161.389 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 770421

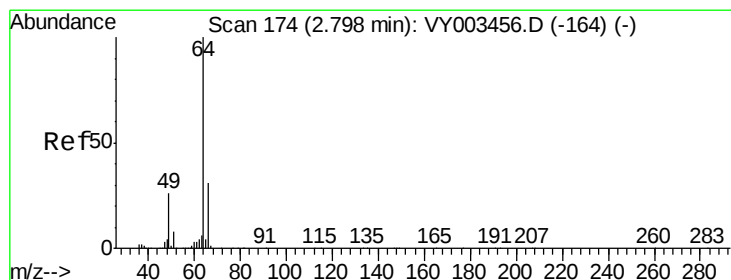
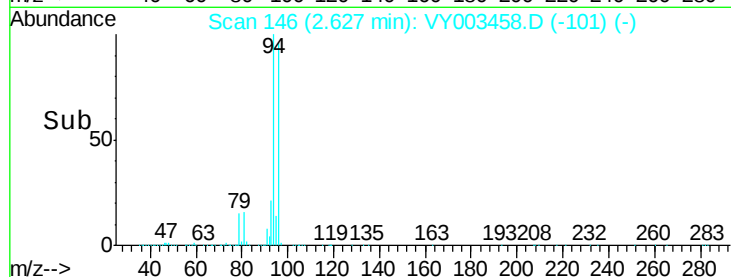
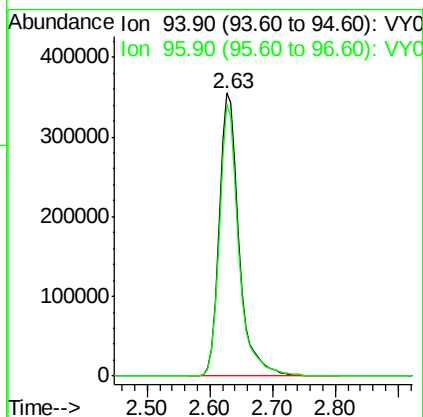
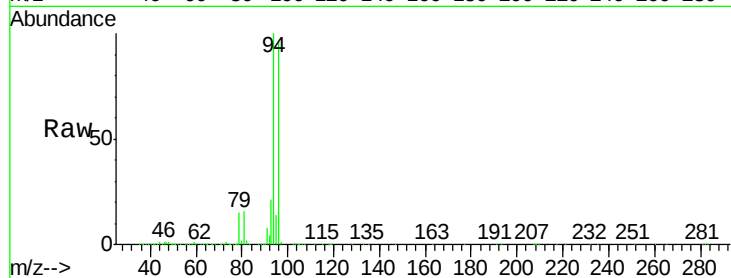
Ion Ratio Lower Upper

94 100

96 95.9 77.4 116.2

Manual Integrations
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#6

Chloroethane

Concen: 145.904 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY003458.D

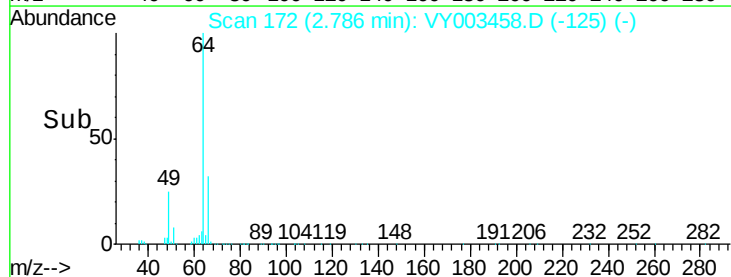
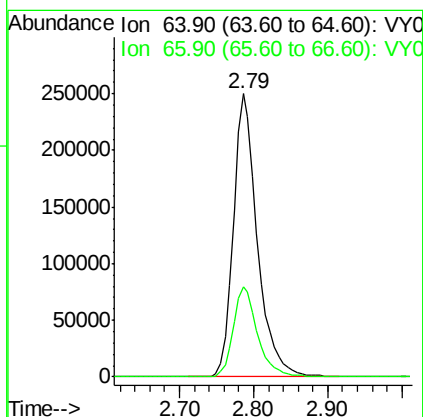
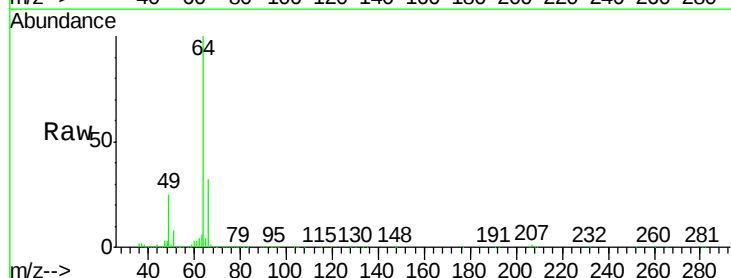
Acq: 05 Oct 2020 16:57

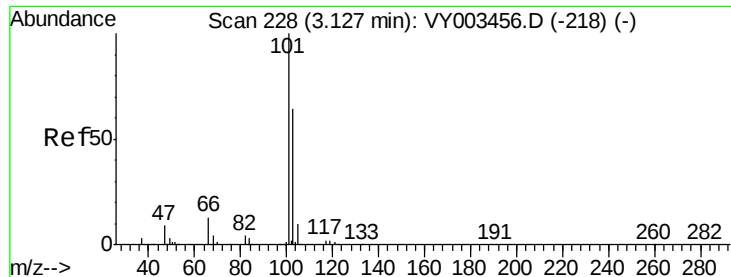
Tgt Ion: 64 Resp: 563084

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

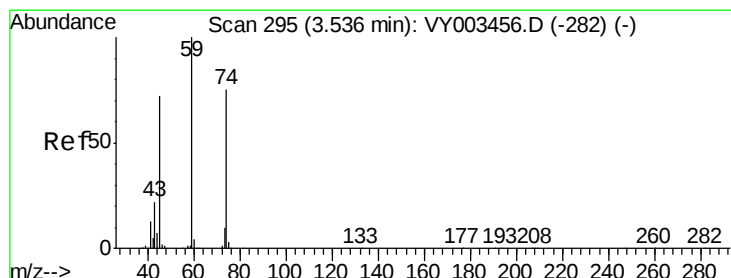
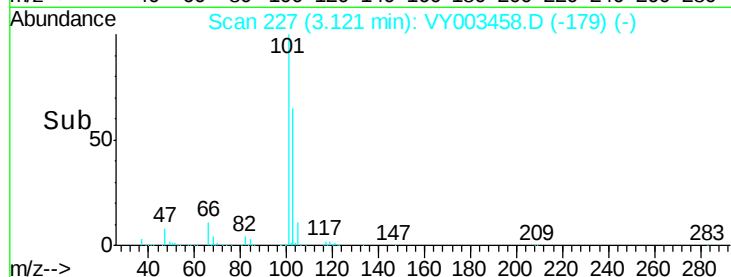
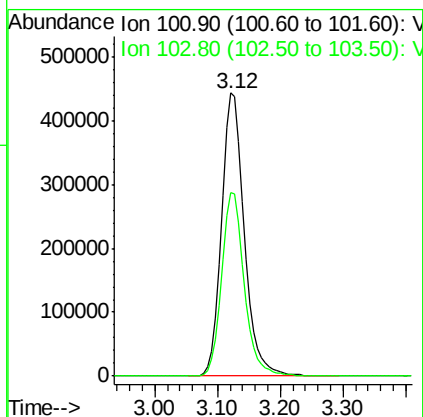
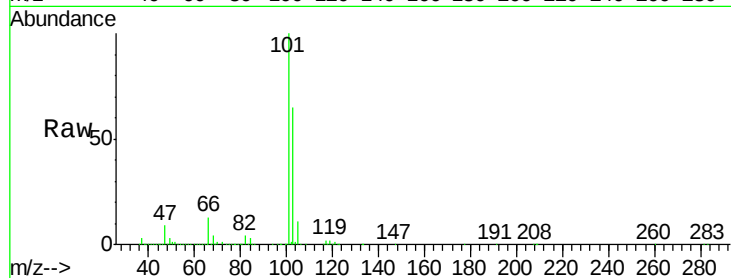
Trichlorofluoromethane
 Concen: 135.369 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1111031
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

Manual Integrations
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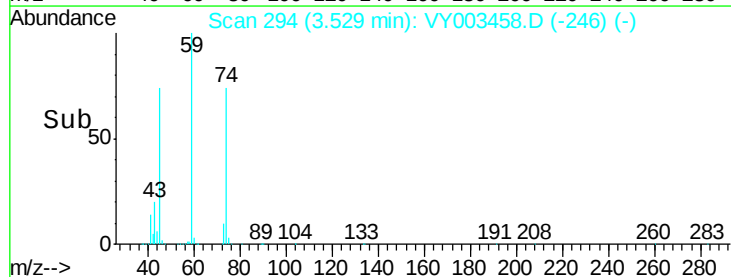
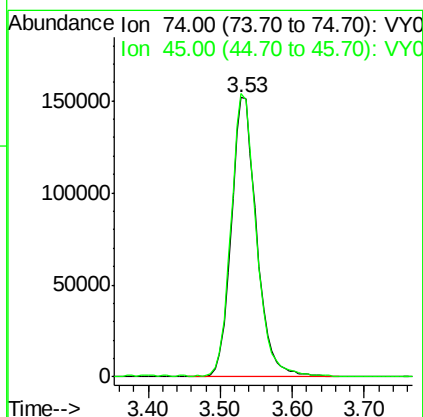
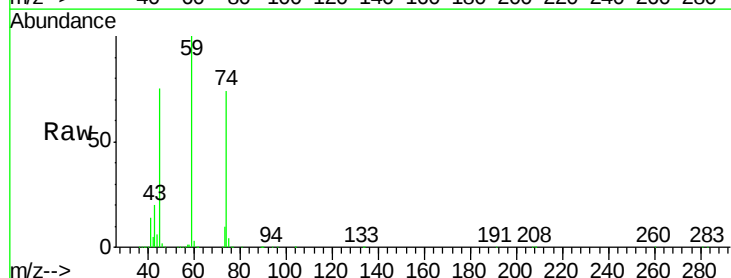
MMDadoda
 10/6/2020 12:55:43 PM

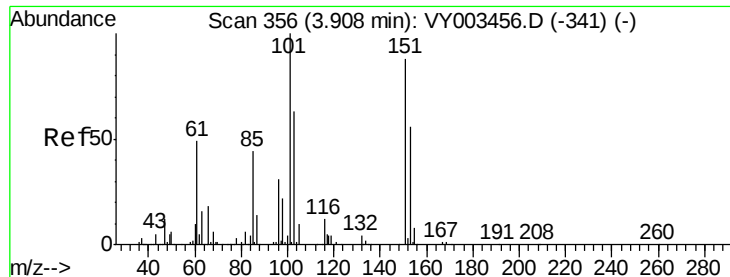


#8

Diethyl Ether
 Concen: 130.901 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion: 74 Resp: 371369
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.346 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

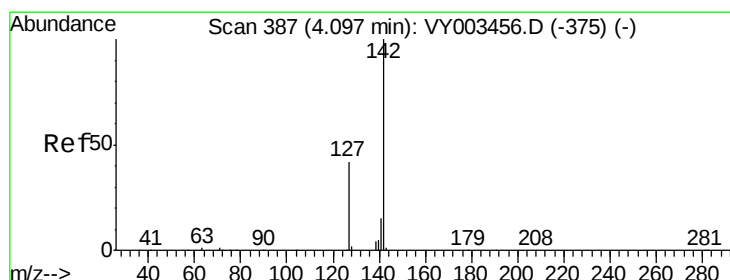
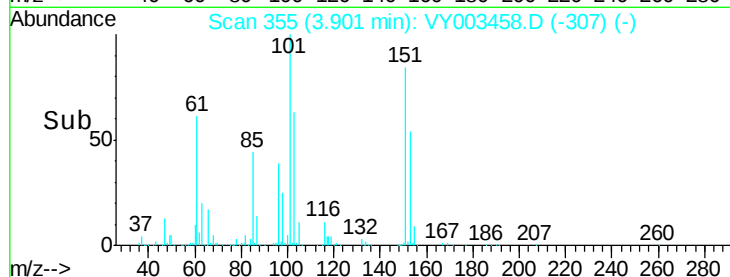
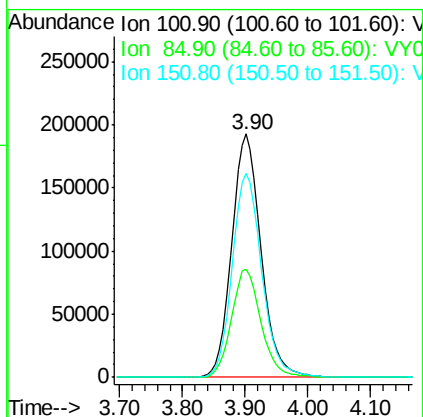
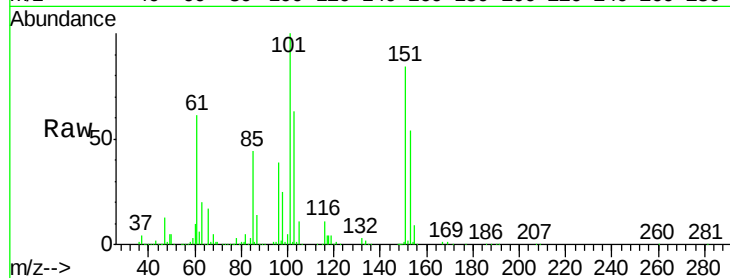
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	622477
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	84.8	67.9	101.9

Manual Integrations
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#10

Methyl Iodide

Concen: 125.094 ug/l

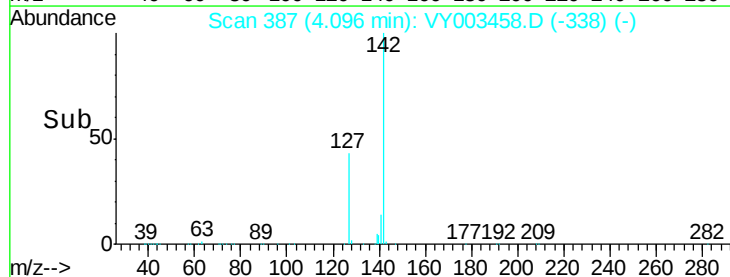
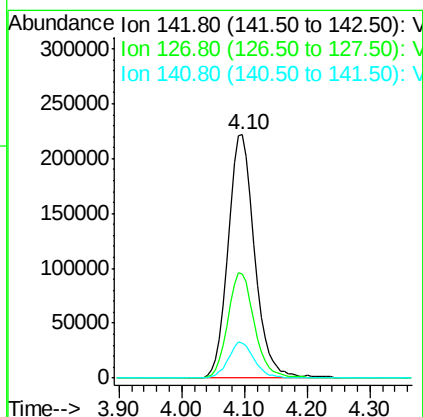
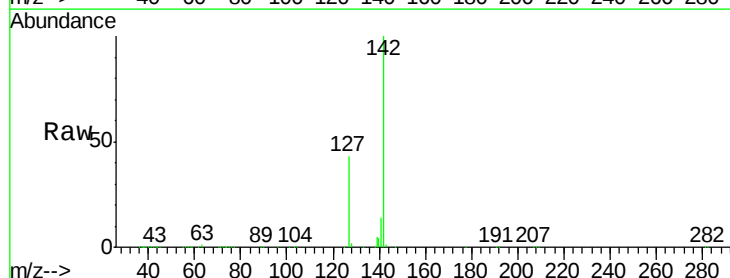
RT: 4.10 min Scan# 387

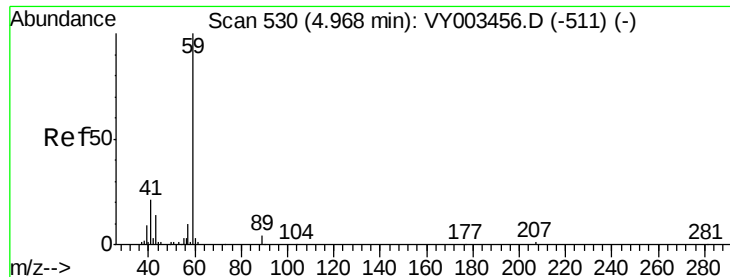
Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion:	142	Resp:	650762
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.9	52.3
141	14.4	11.9	17.9





#11

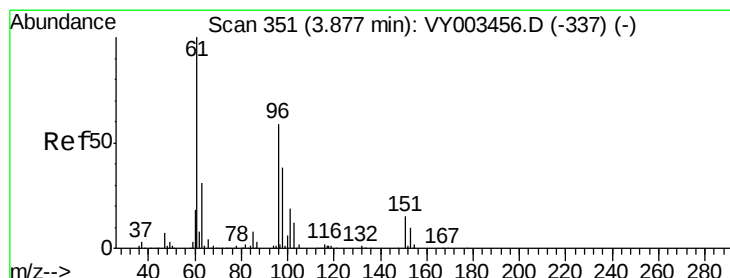
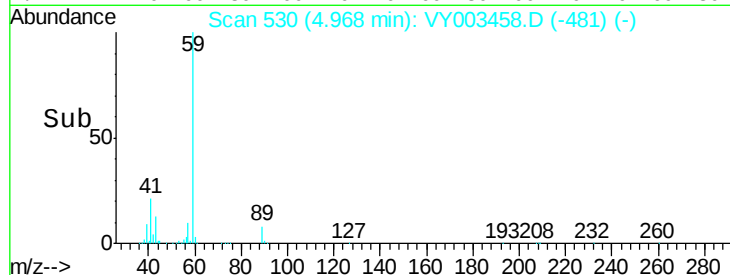
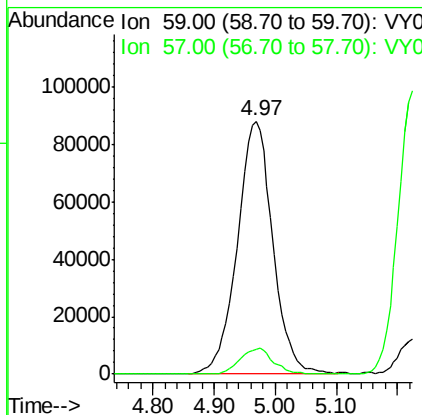
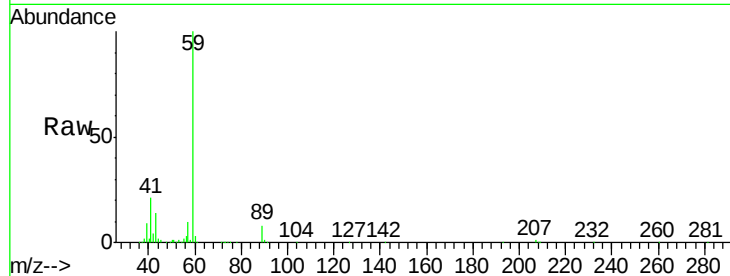
Tert butyl alcohol
Concen: 629.476 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6

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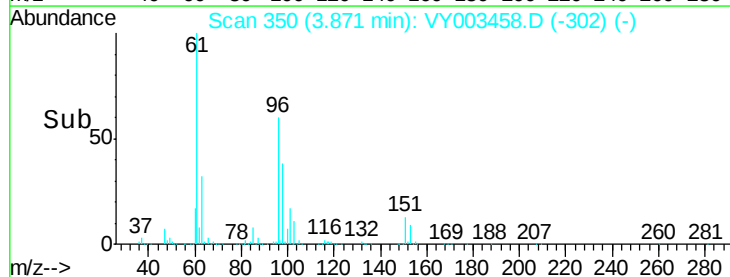
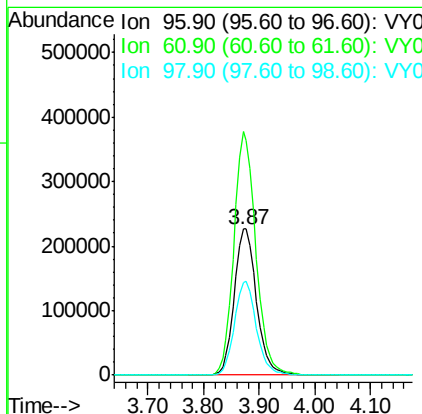
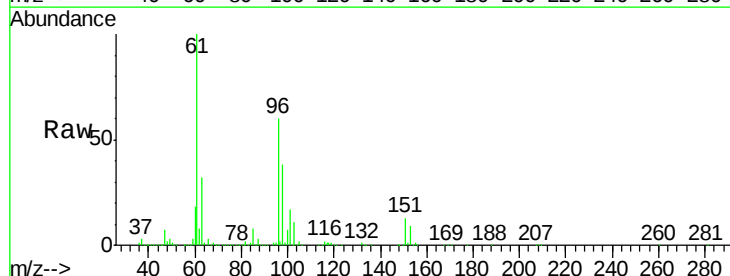
MMDadoda
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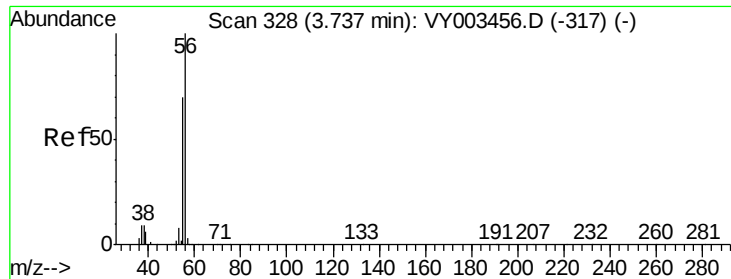


#12

1,1-Dichloroethene
Concen: 132.977 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	134.6	202.0
98	63.6	51.1	76.7





#13

Acrolein

Concen: 616.589 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 336516

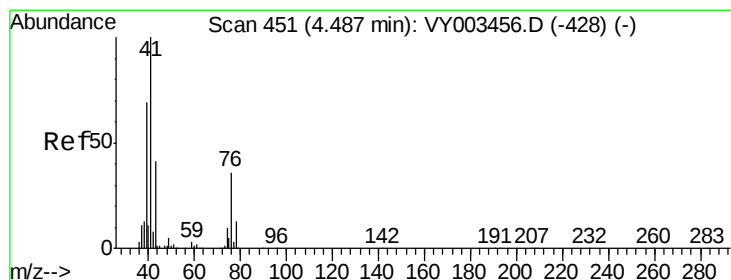
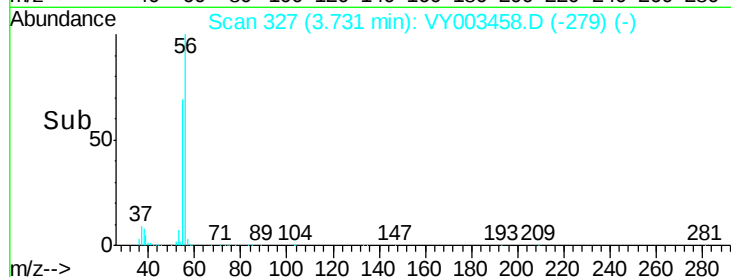
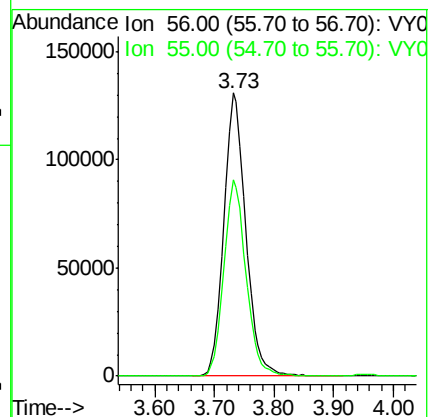
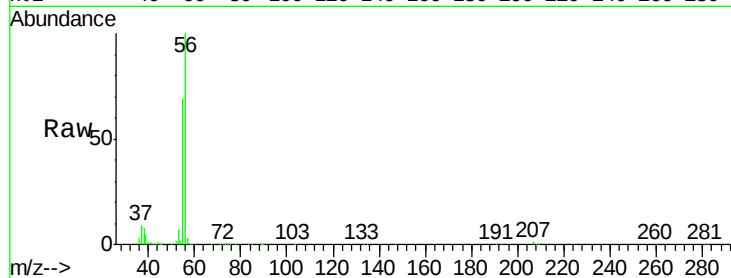
Ion Ratio Lower Upper

56 100

55 70.0 57.9 86.9

Manual Integrations
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#14

Allyl chloride

Concen: 139.027 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

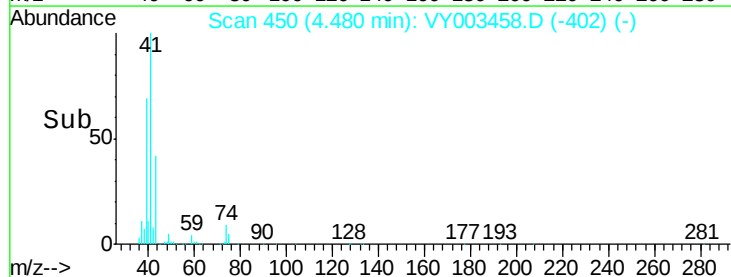
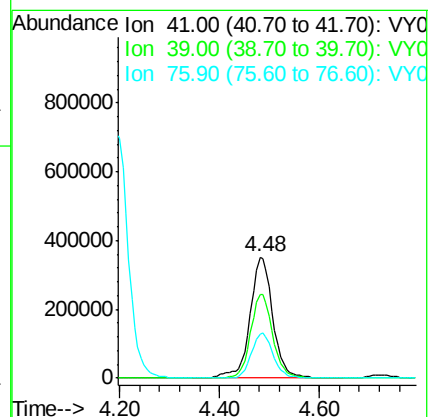
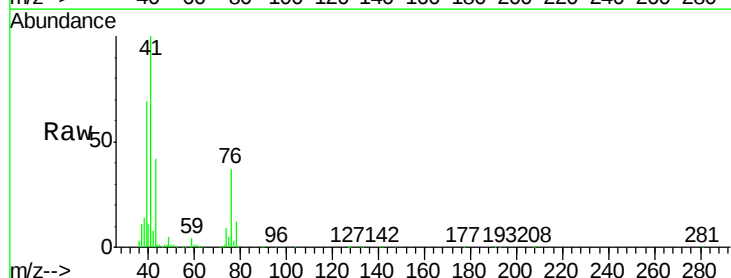
Tgt Ion: 41 Resp: 1112130

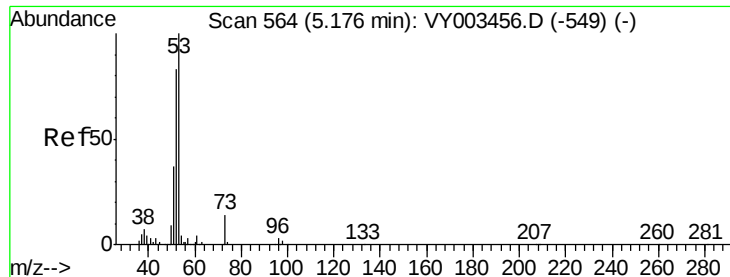
Ion Ratio Lower Upper

41 100

39 67.4 54.6 82.0

76 35.5 27.5 41.3





#15

Acrylonitrile

Concen: 622.720 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

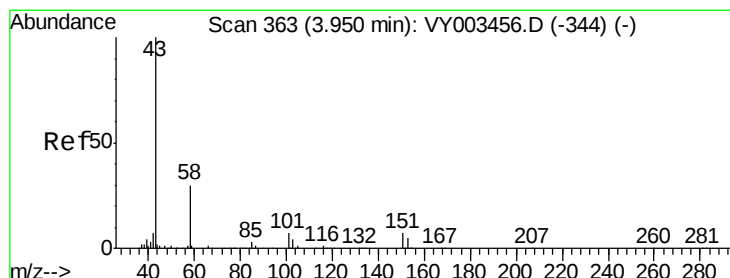
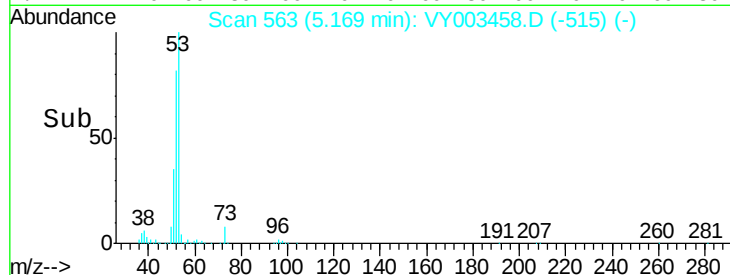
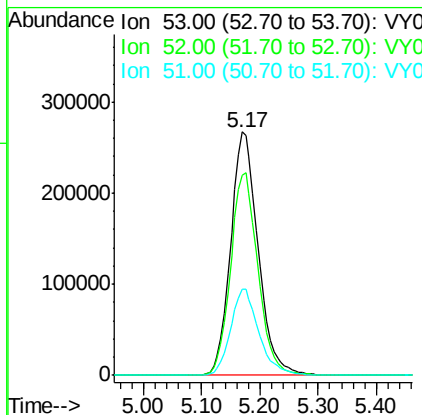
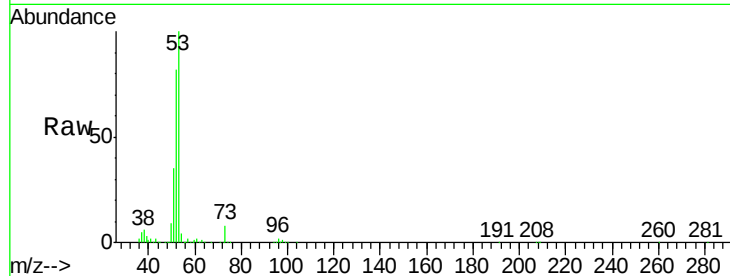
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	874740
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.8	101.8
51	36.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 703.303 ug/l

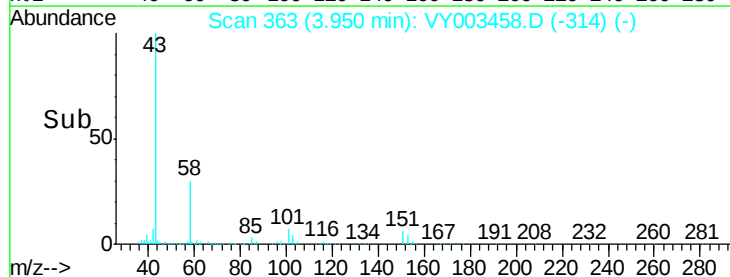
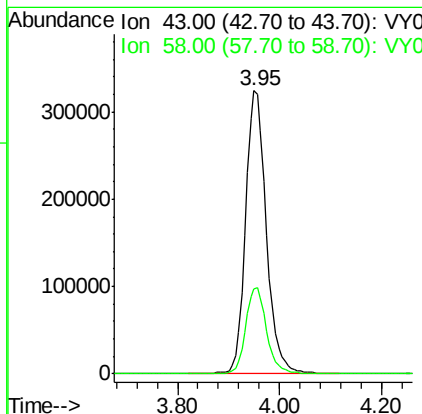
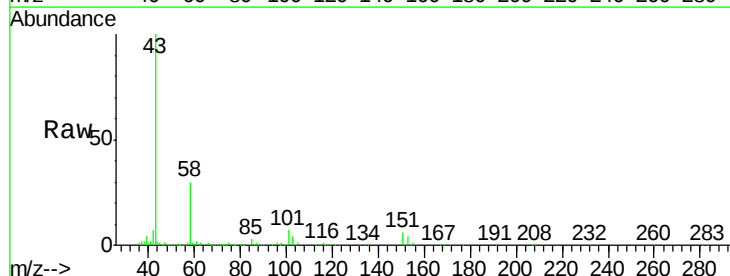
RT: 3.95 min Scan# 363

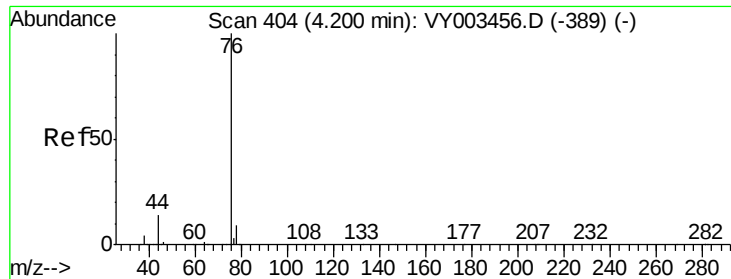
Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion:	43	Resp:	912306
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.8	35.8





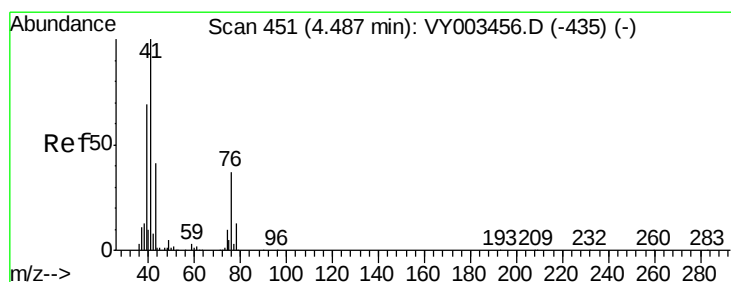
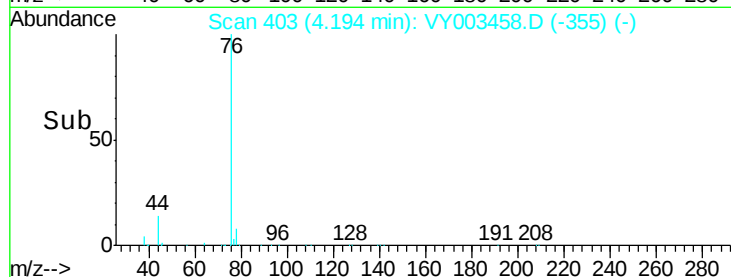
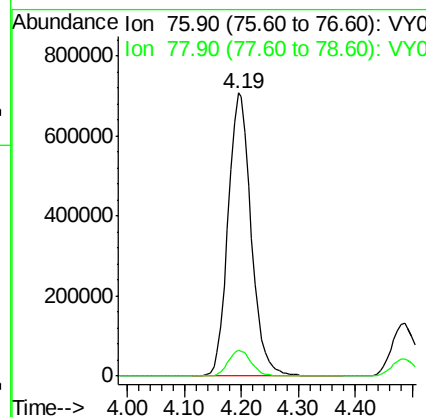
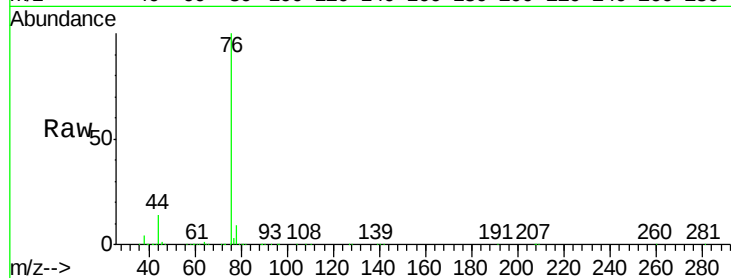
#17
Carbon Disulfide
Concen: 129.563 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1993370
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

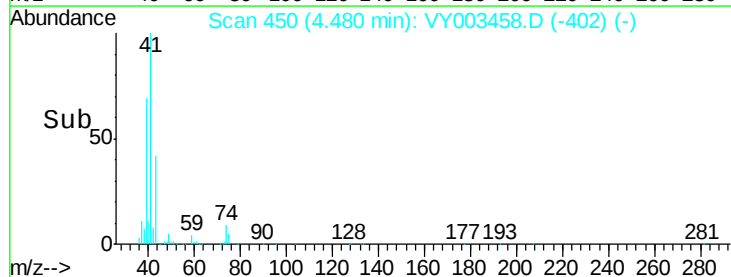
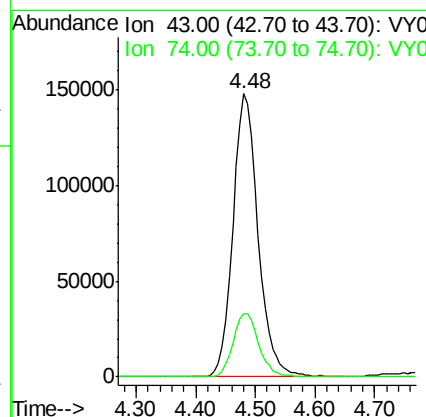
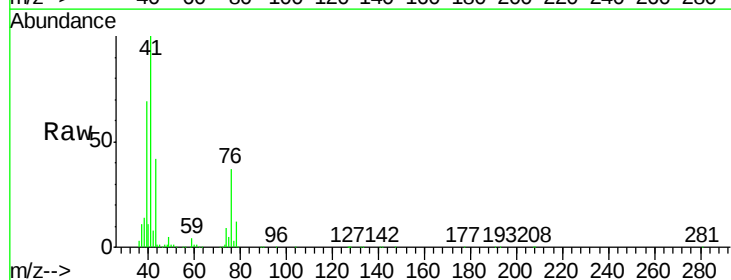
Manual Integrations
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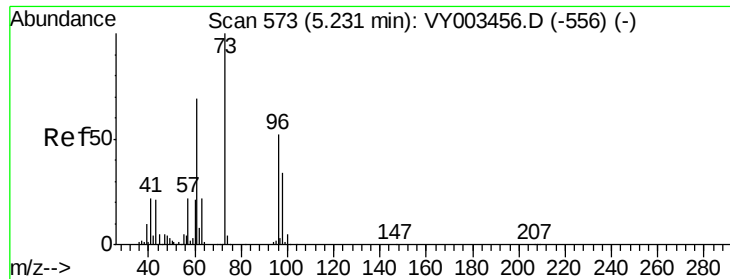
MMDadoda
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#18
Methyl Acetate
Concen: 127.515 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion: 43 Resp: 432141
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0





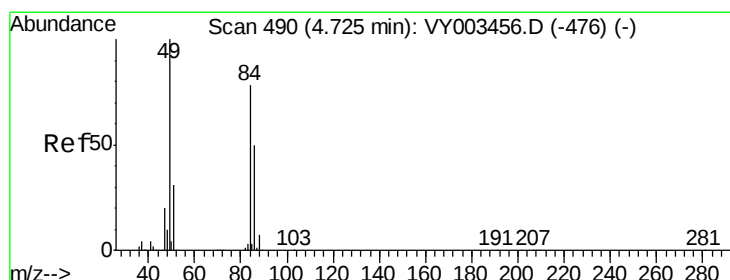
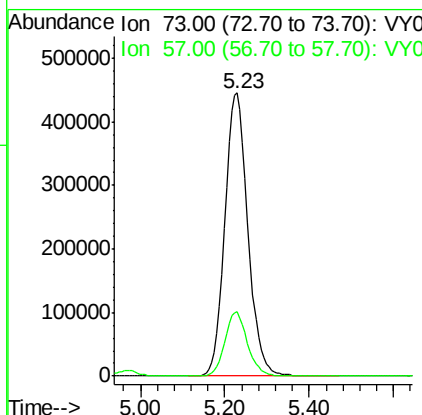
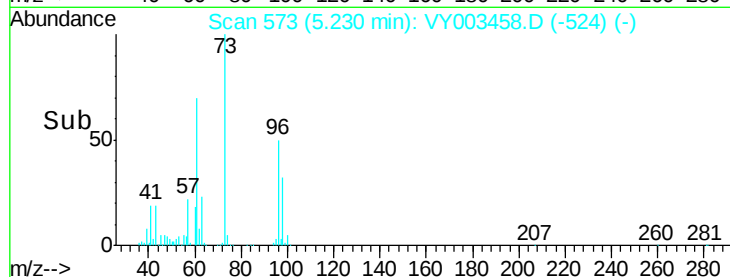
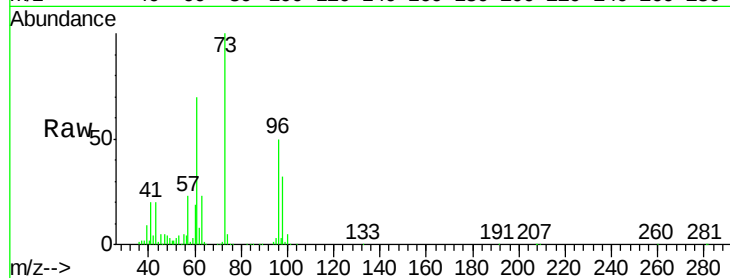
#19
Methyl tert-butyl Ether
Concen: 128.349 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1668287
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

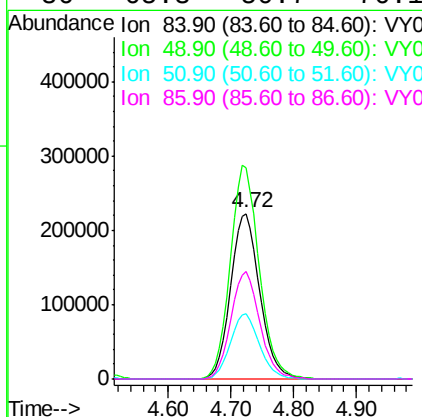
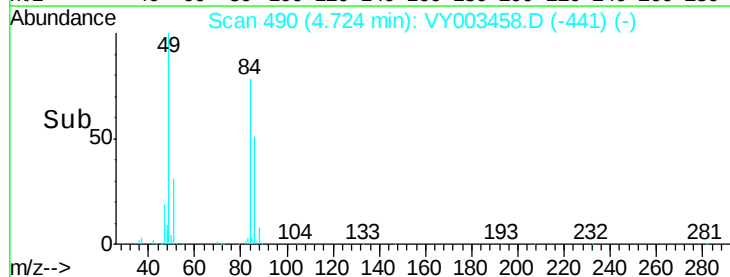
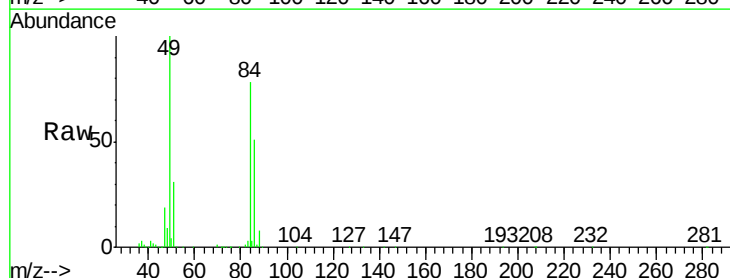
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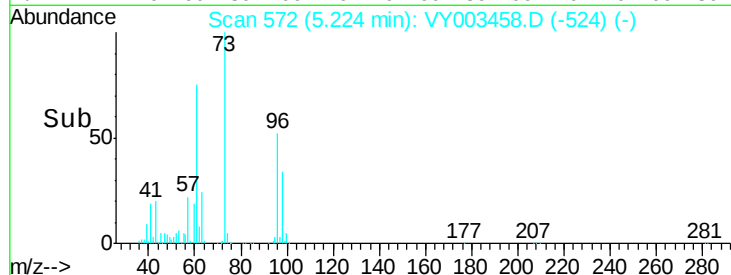
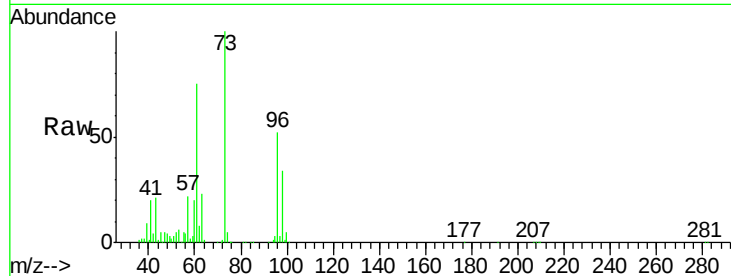
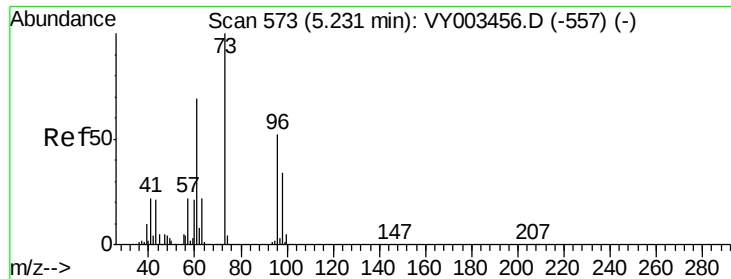
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#20
Methylene Chloride
Concen: 83.293 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion: 84 Resp: 716049
Ion Ratio Lower Upper
84 100
49 128.0 102.2 153.2
51 39.4 32.0 48.0
86 65.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 136.228 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tot Ion:	96	Resp:	731724
Ion	Ratio	Lower	Upper
96	100		
61	143.0	107.6	161.4
98	65.1	52.1	78.1

Instrument :

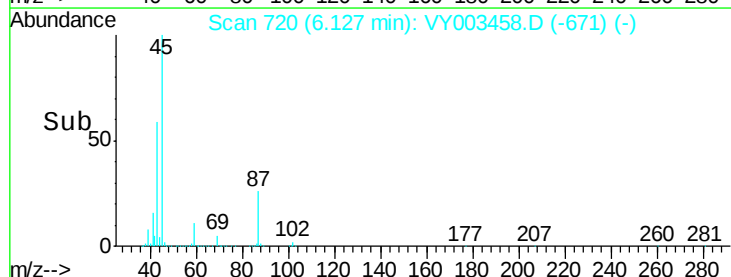
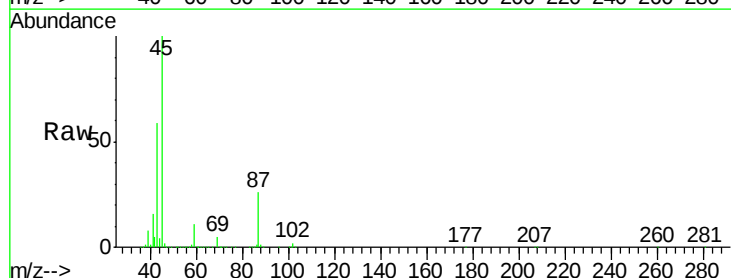
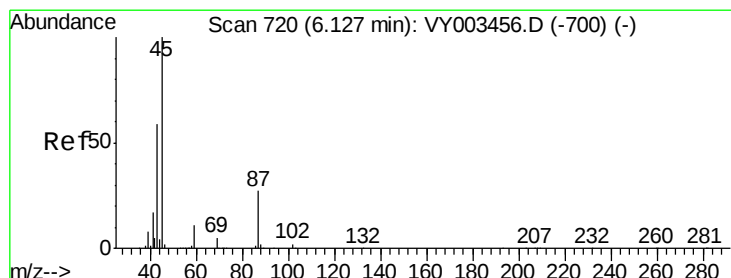
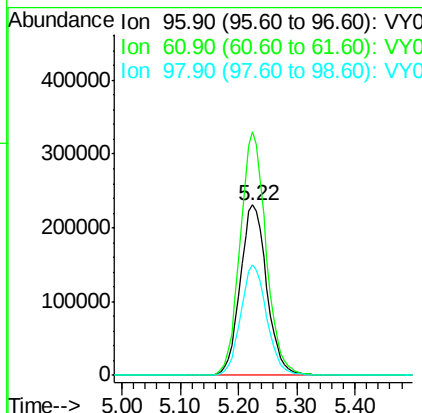
MSVOA_Y

ClientSampleId :

VSTDIC150

Manual Integrations
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#22

Diisopropyl ether

Concen: 125.604 ug/l

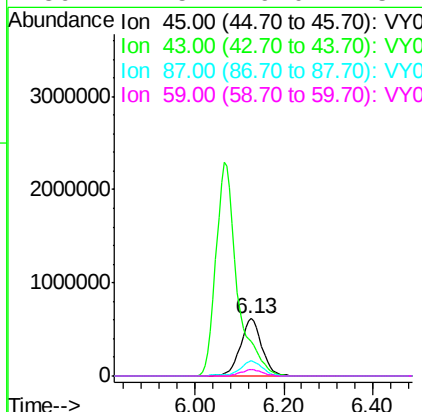
RT: 6.13 min Scan# 720

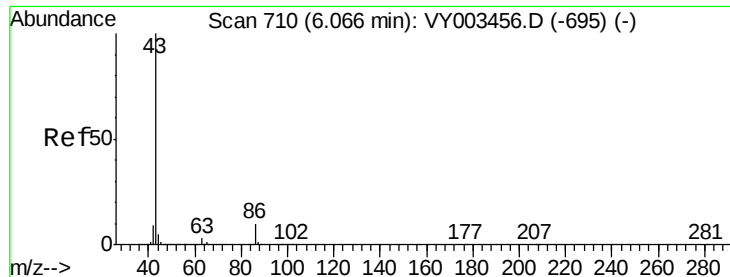
Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion:	45	Resp:	2073411
Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.5	71.3
87	26.4	22.2	33.2
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 692.693 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7617446

Ion Ratio Lower Upper

43 100

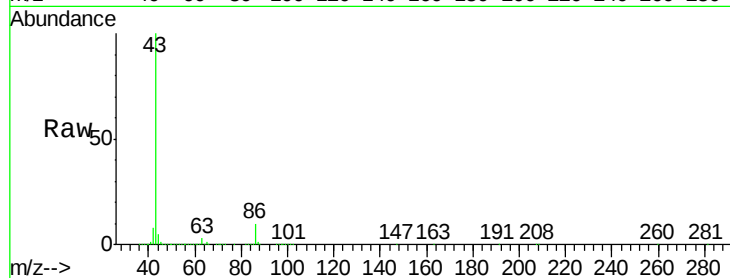
86 10.4 8.1 12.1

Manual Integrations

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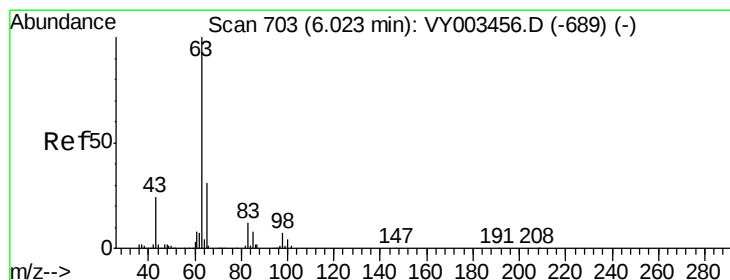
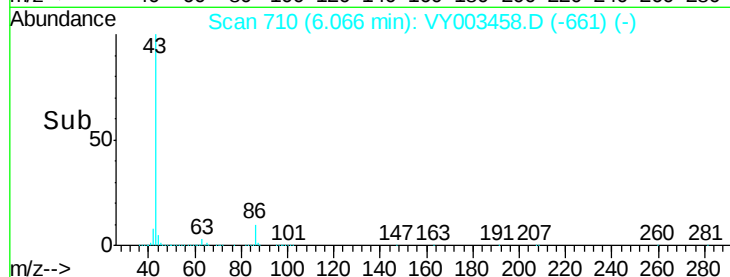
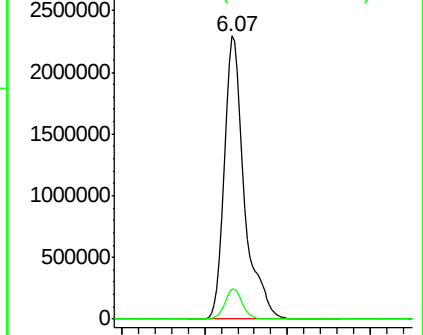
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 136.822 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

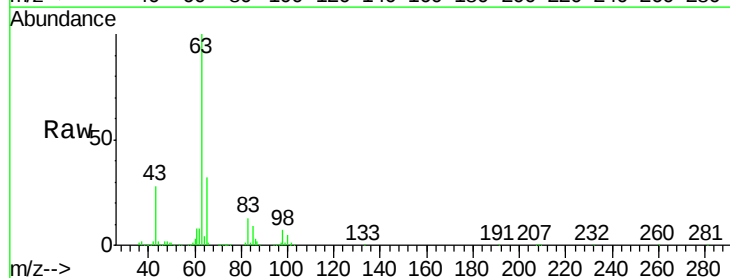
Tgt Ion: 63 Resp: 1282497

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

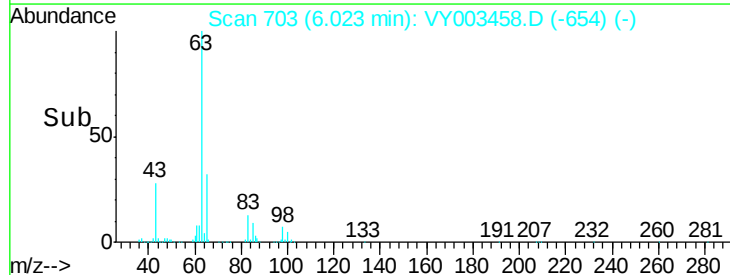
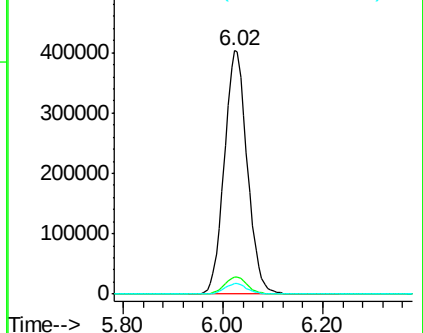
100 4.5 2.2 6.6

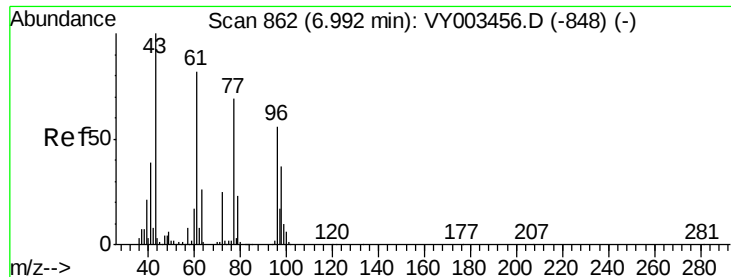


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 683.736 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1337495

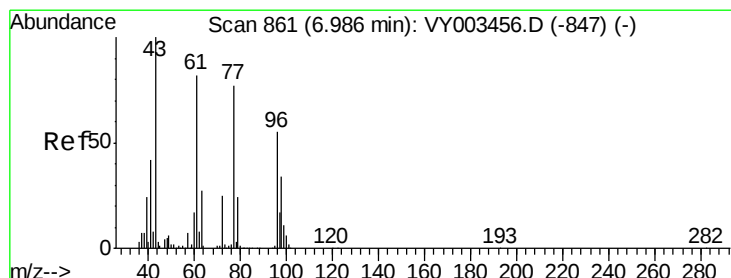
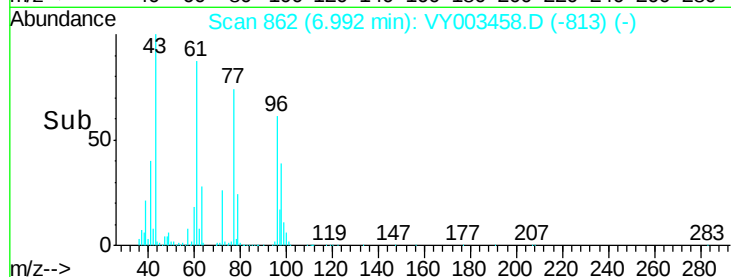
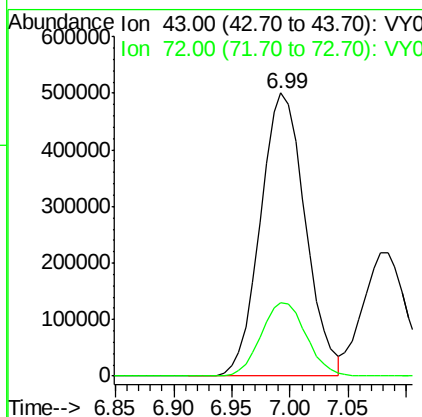
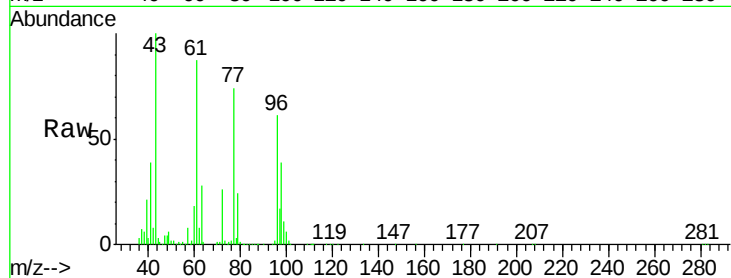
Ion Ratio Lower Upper

43 100

72 26.1 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 137.297 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.00 min

Lab File: VY003458.D

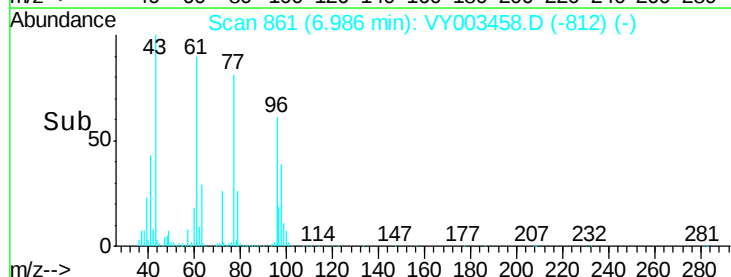
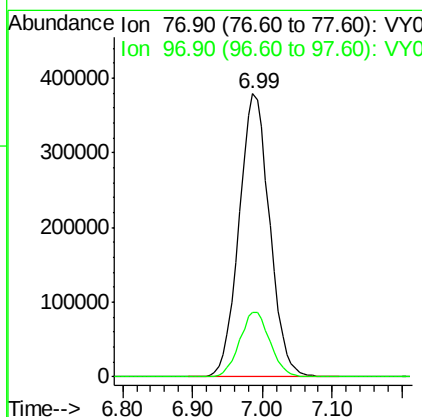
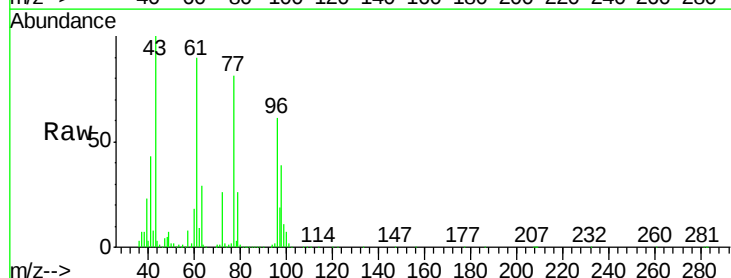
Acq: 05 Oct 2020 16:57

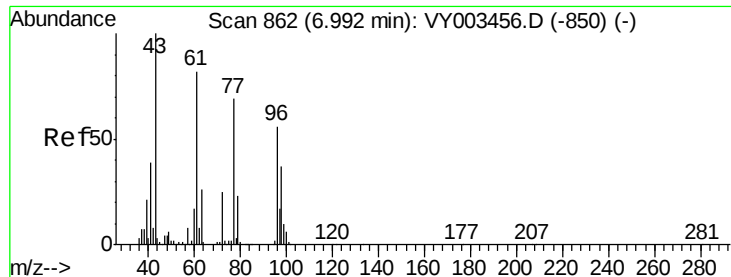
Tgt Ion: 77 Resp: 1149668

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

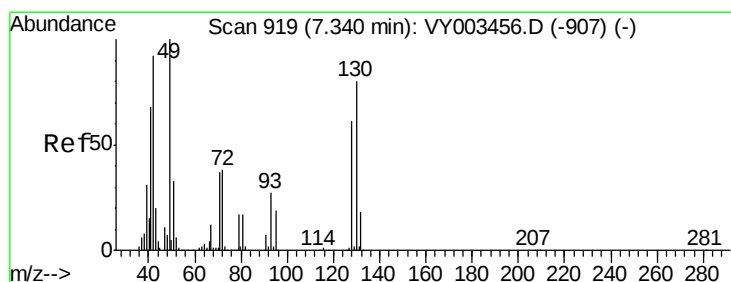
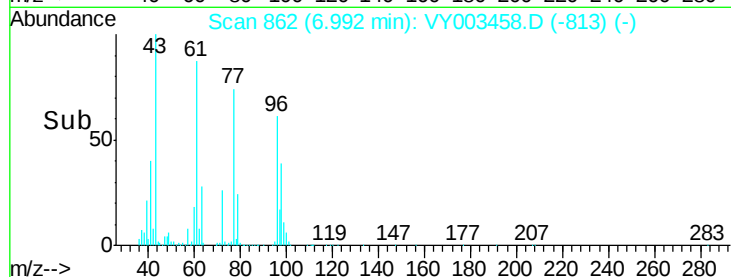
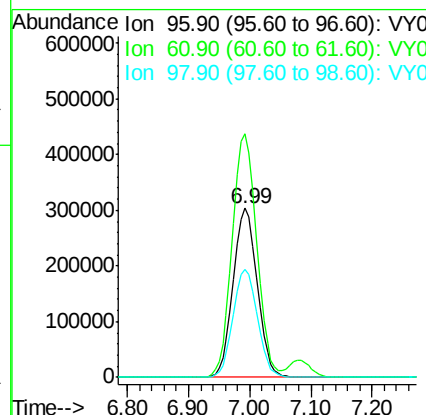
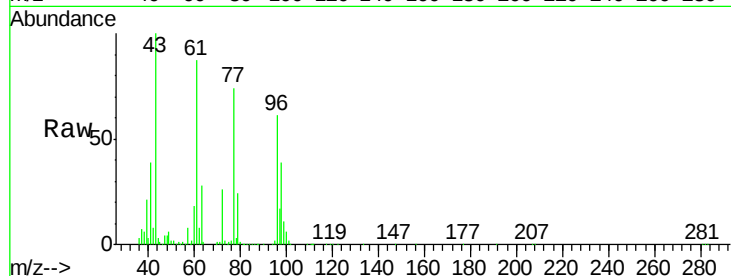
cis-1,2-Dichloroethene
Concen: 139.269 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	822713		
61	146.9		0.0	295.2
98	64.7		0.0	129.0

Manual Integrations
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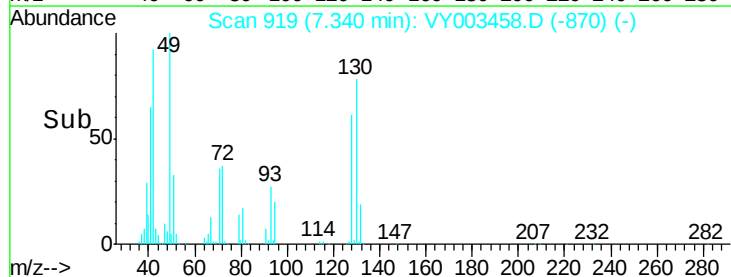
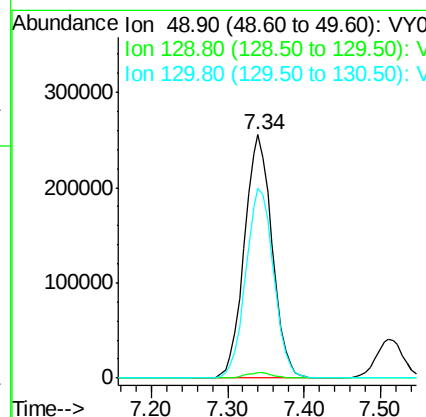
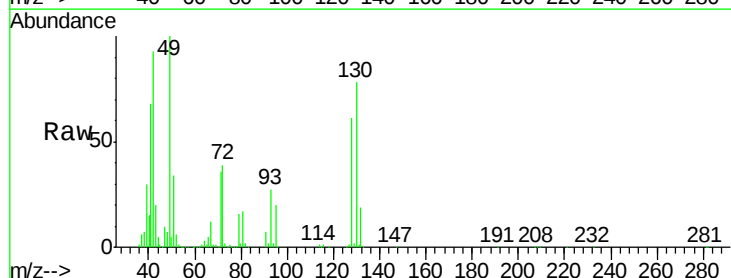
MMDadoda
10/6/2020 12:55:43 PM

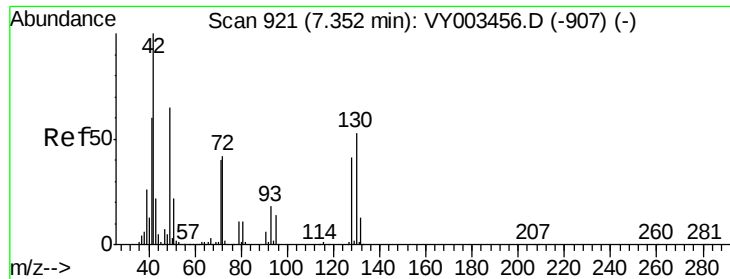


#28

Bromochloromethane
Concen: 167.412 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	642962		
129	2.2		0.0	4.4
130	78.8		62.4	93.6





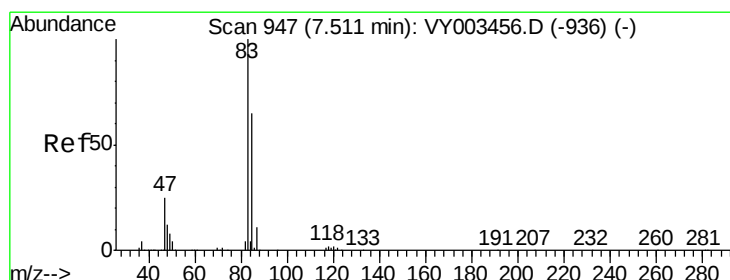
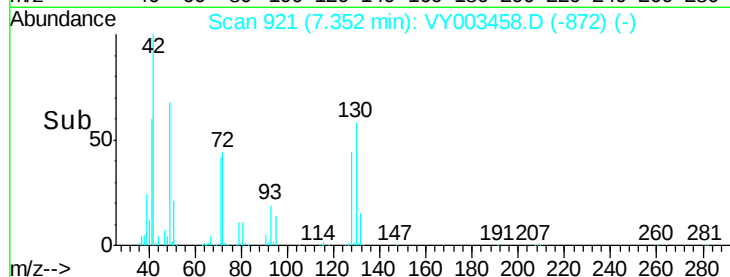
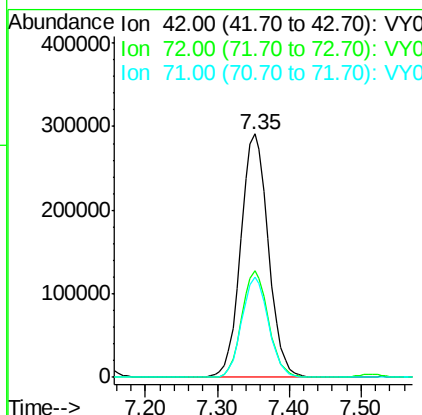
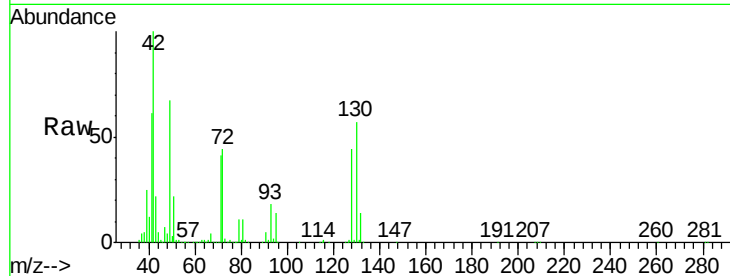
#29
Tetrahydrofuran
Concen: 615.961 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.3	49.9
71	39.9	31.7	47.5

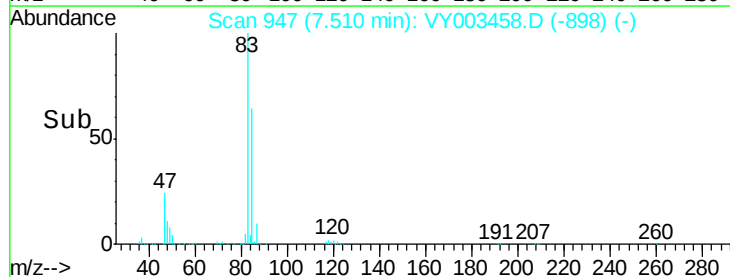
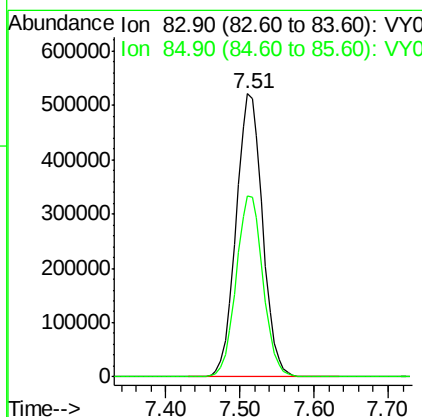
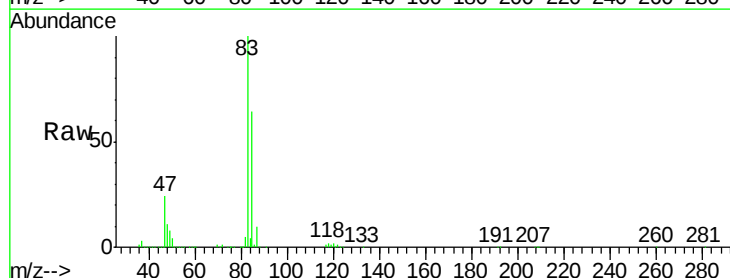
Manual Integrations
APPROVED

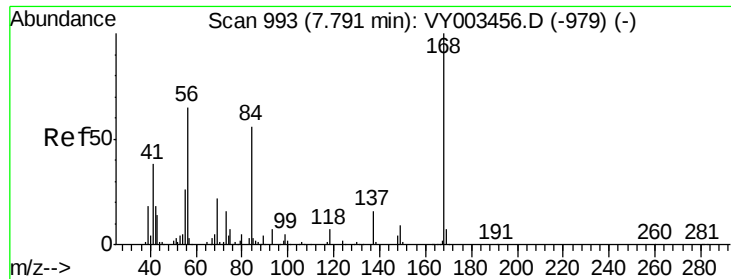
MMDadoda
10/6/2020 12:55:43 PM



#30
Chloroform
Concen: 139.337 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4





#31

Cyclohexane

Concen: 121.542 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1090770

Ion Ratio Lower Upper

56 100

69 30.8 26.8 40.2

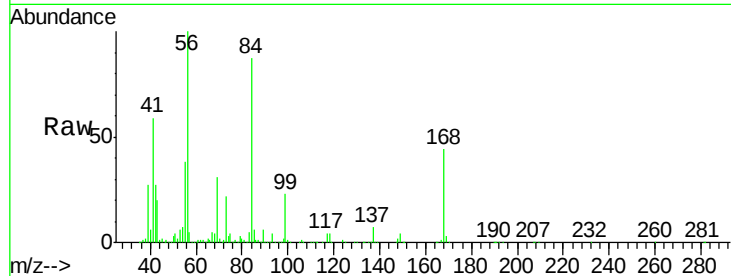
84 85.5 69.1 103.7

Manual Integrations

APPROVED

MMDadoda

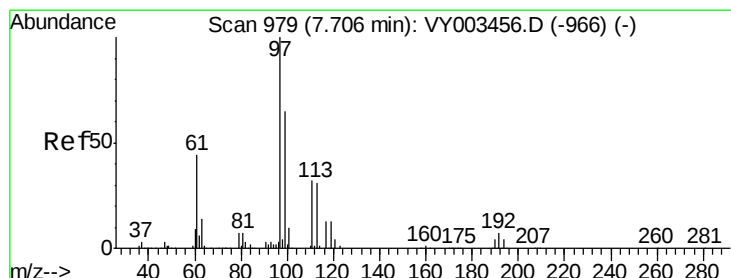
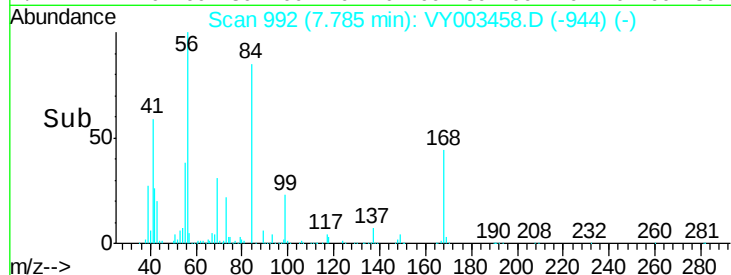
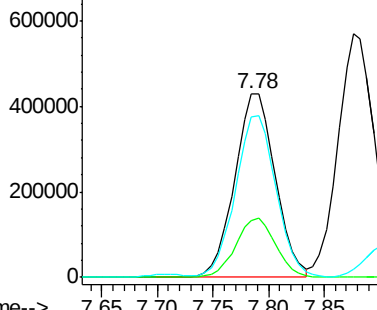
10/6/2020 12:55:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 139.453 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

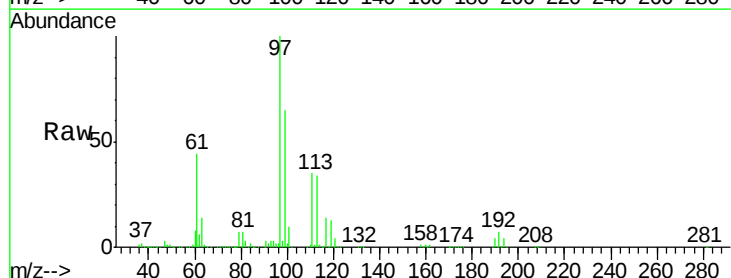
Tgt Ion: 97 Resp: 1189164

Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

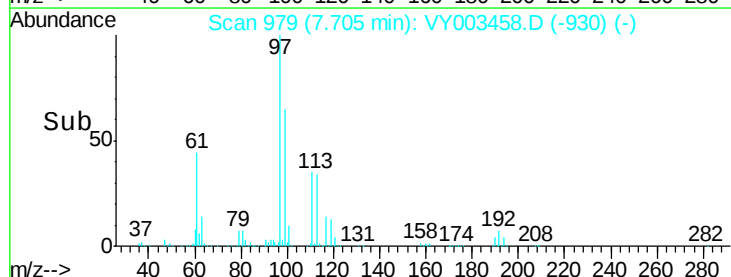
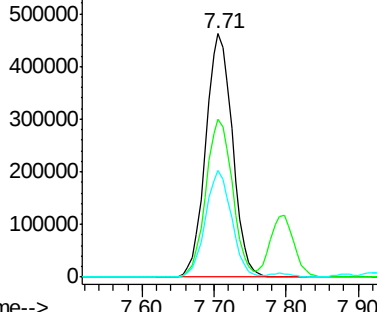
61 42.7 34.4 51.6

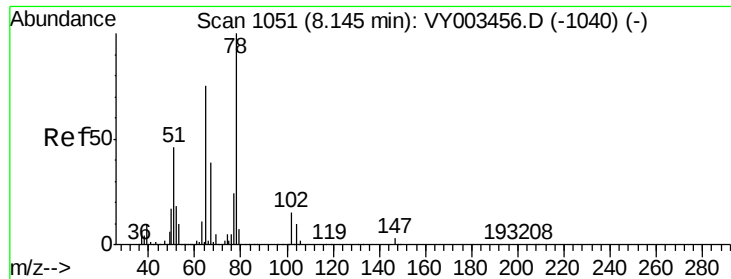


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





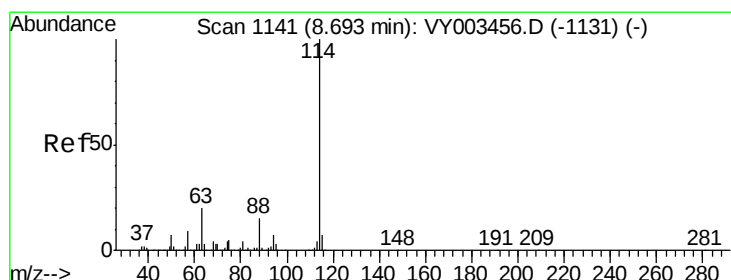
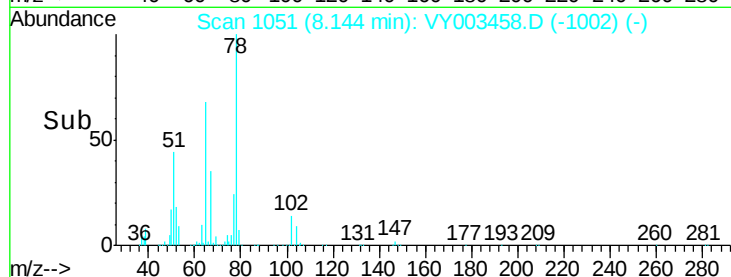
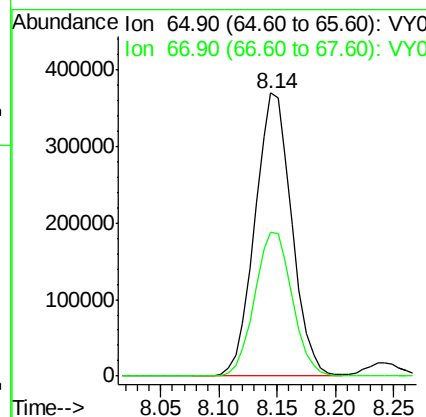
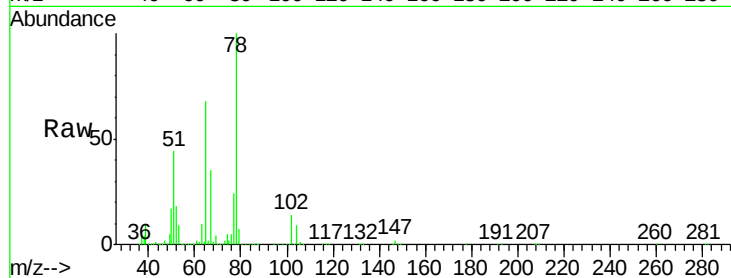
#33
 1,2-Dichloroethane-d4
 Concen: 155.638 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4

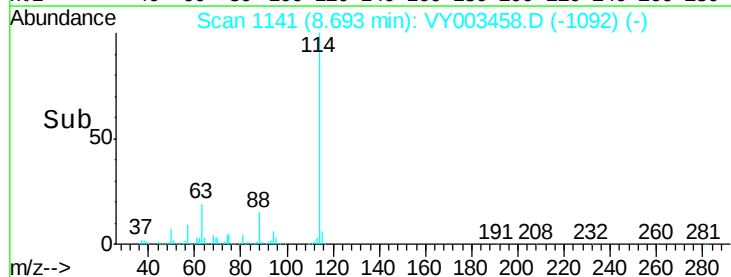
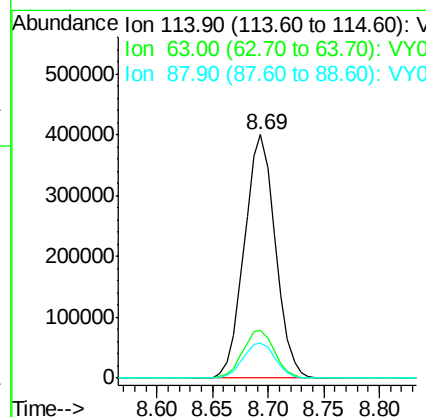
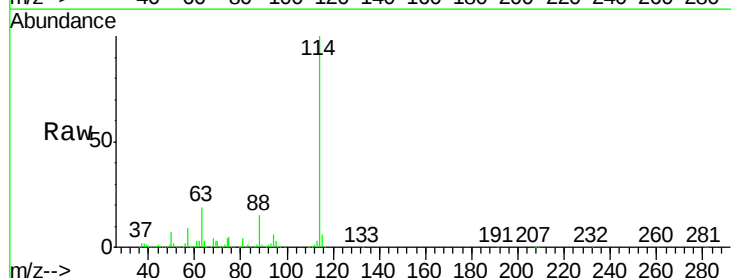
Manual Integrations
 APPROVED

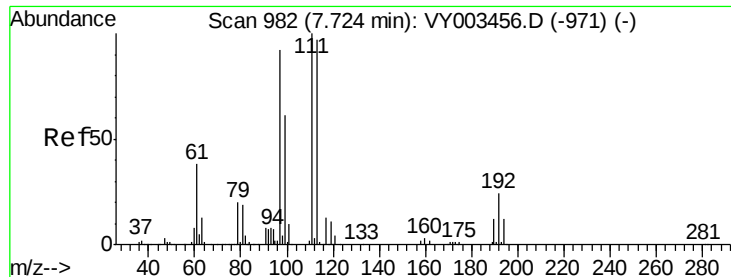
MMDadoda
 10/6/2020 12:55:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	14.6	0.0	30.0





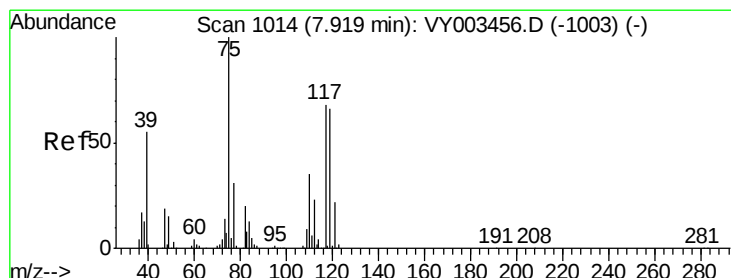
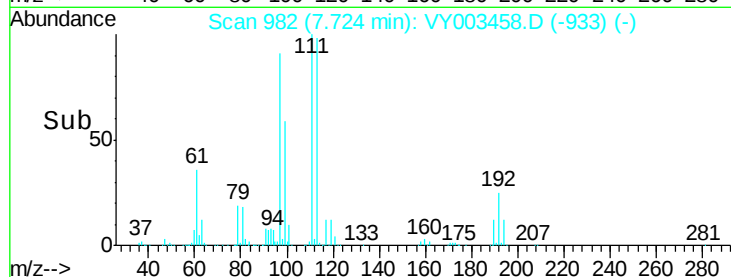
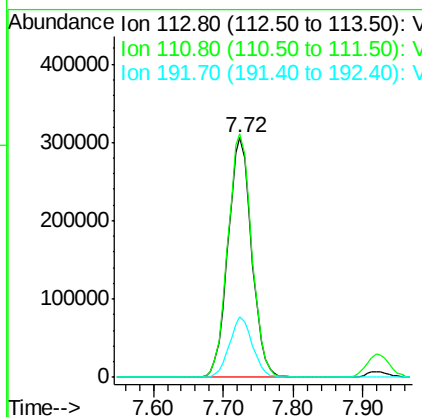
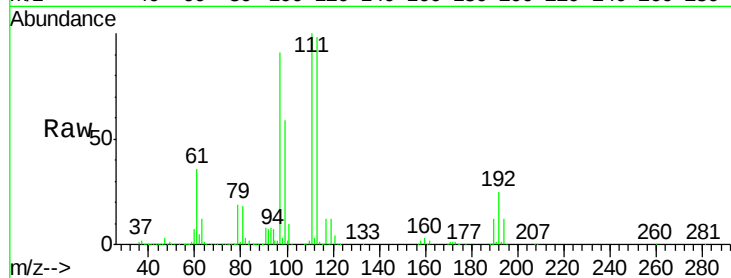
#35
Dibromofluoromethane
Concen: 157.345 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	24.6	19.8	29.6

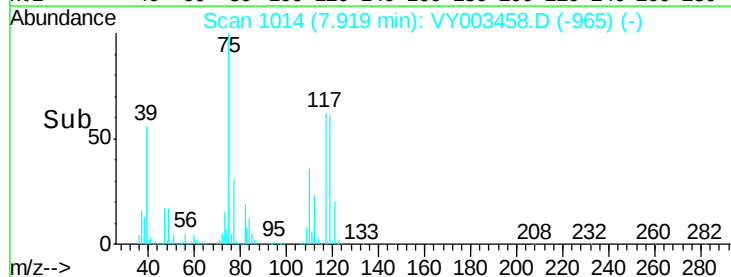
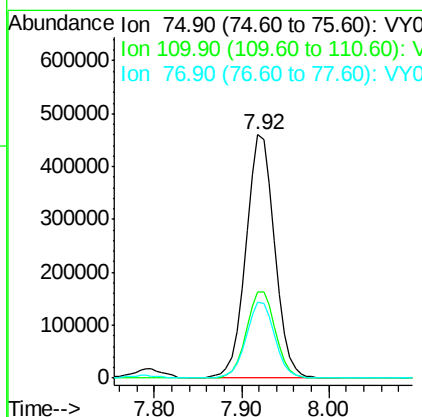
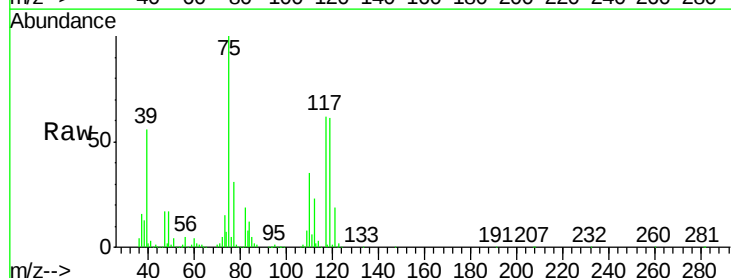
Manual Integrations
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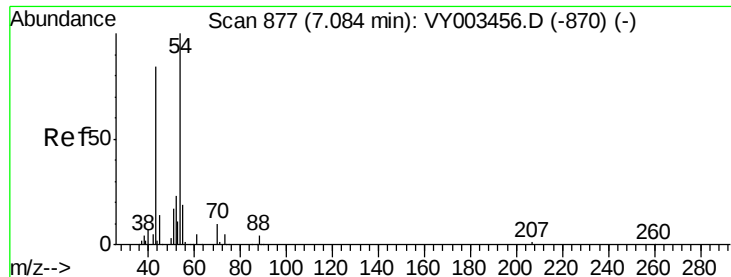
MMDadoda
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#36
1,1-Dichloropropene
Concen: 143.175 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.8	53.3
77	31.2	24.8	37.2





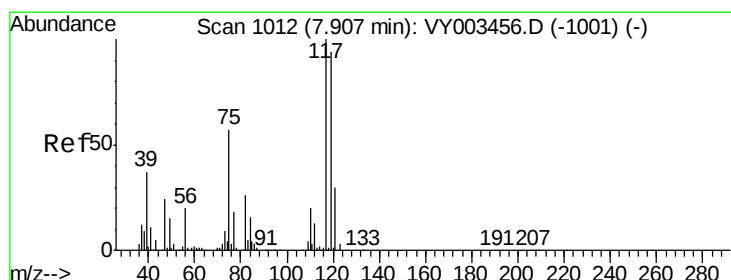
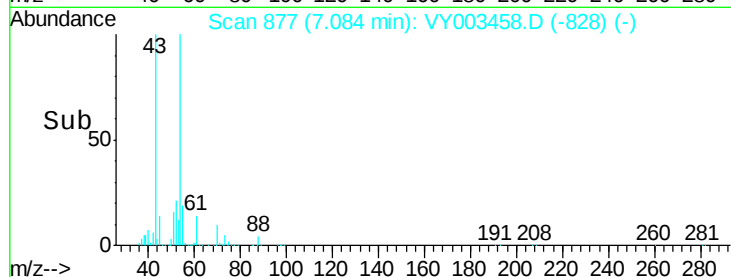
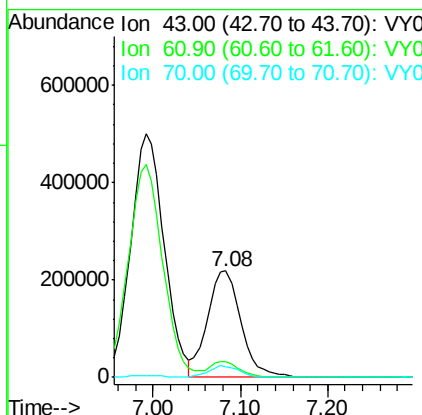
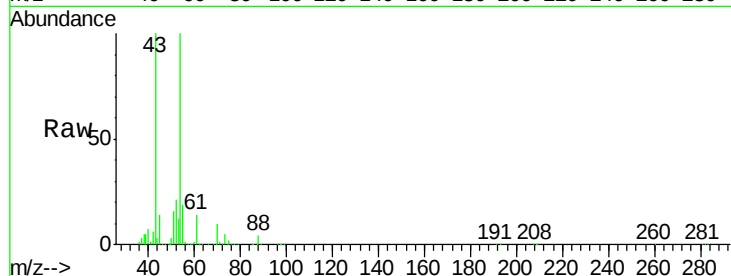
#37
Ethyl Acetate
Concen: 140.314 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.4
70	10.2	8.2	12.2

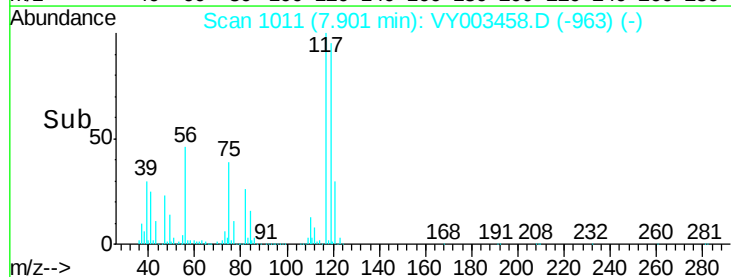
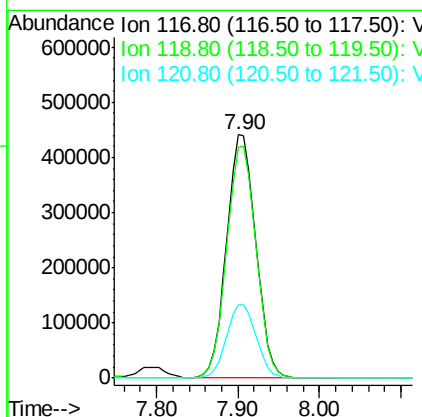
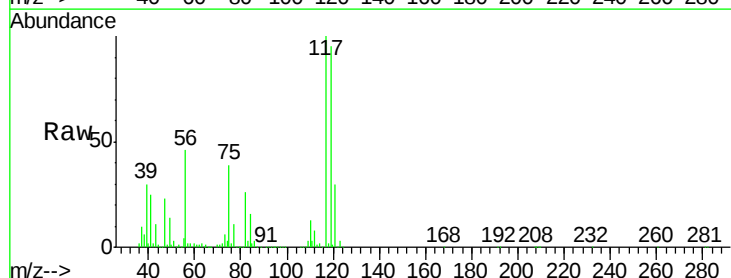
Manual Integrations
APPROVED

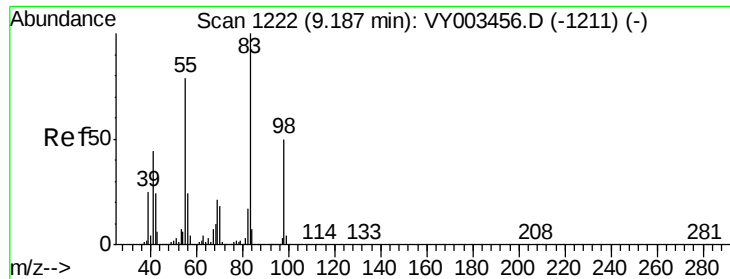
MMDadoda
10/6/2020 12:55:43 PM



#38
Carbon Tetrachloride
Concen: 145.253 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.7	112.1
121	30.3	24.3	36.5





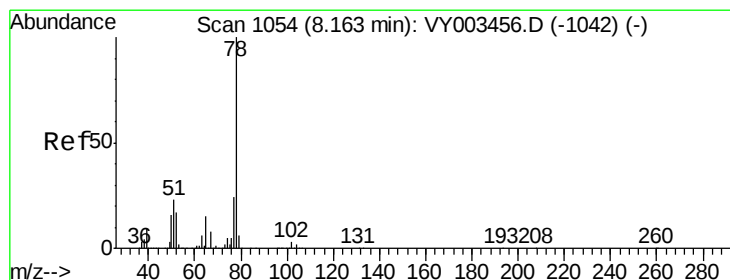
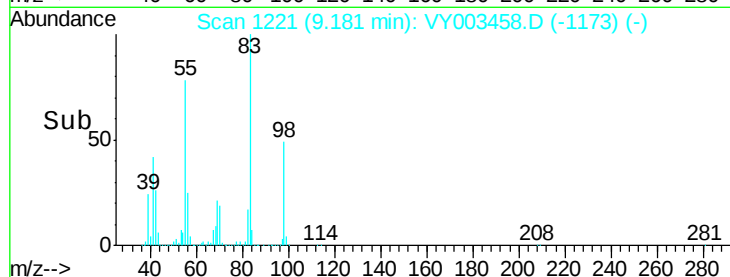
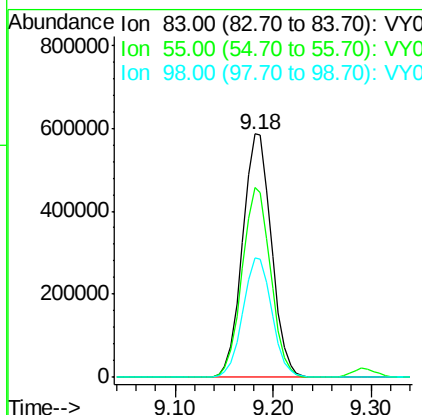
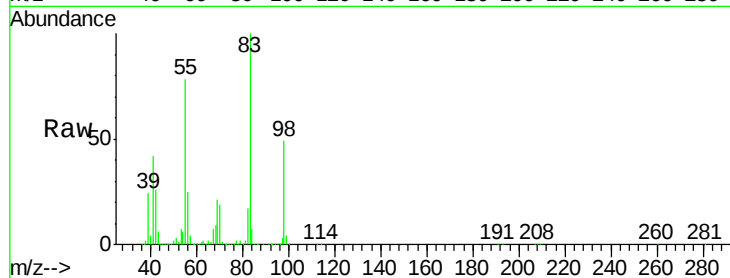
#39
Methvlcvclohexane
Concen: 137.266 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.0	94.6
98	49.2	39.7	59.5

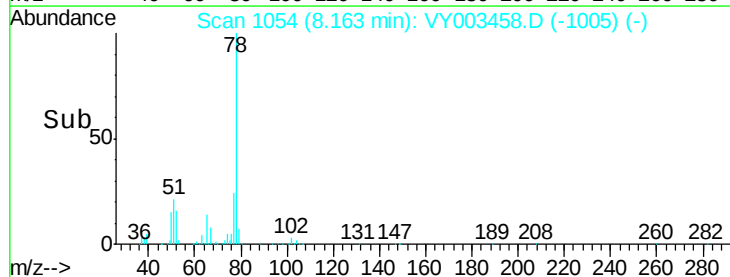
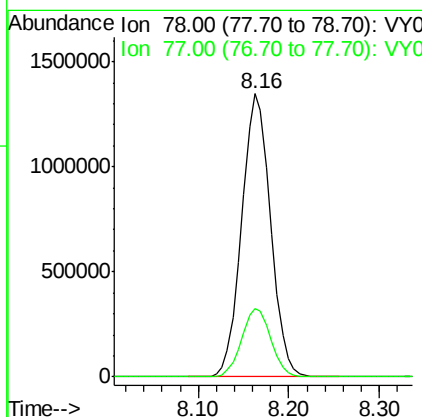
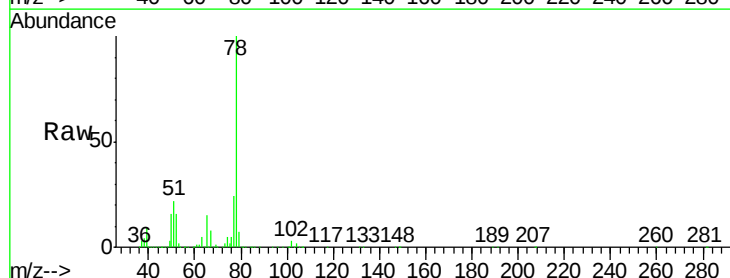
Manual Integrations
APPROVED

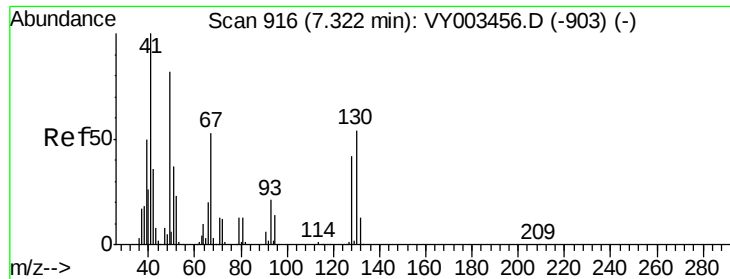
MMDadoda
10/6/2020 12:55:43 PM



#40
Benzene
Concen: 146.199 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





#41

Methacrylonitrile

Concen: 137.662 ug/l

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 320285

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

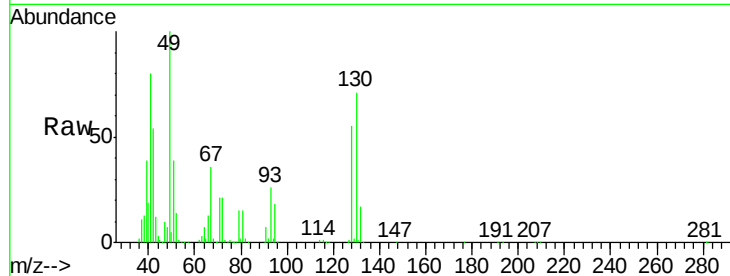
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

10/6/2020 12:55:43 PM

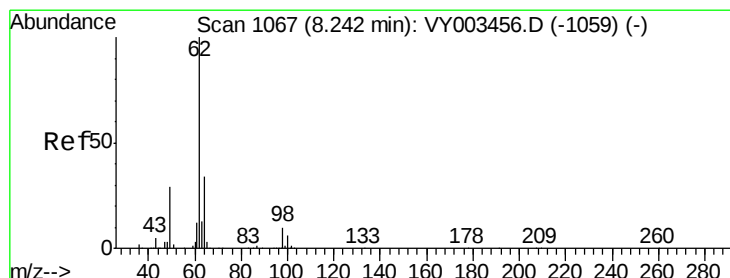
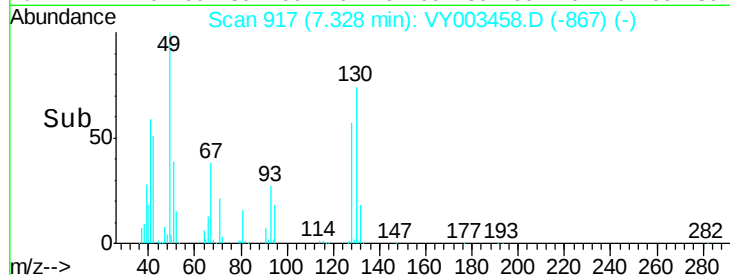
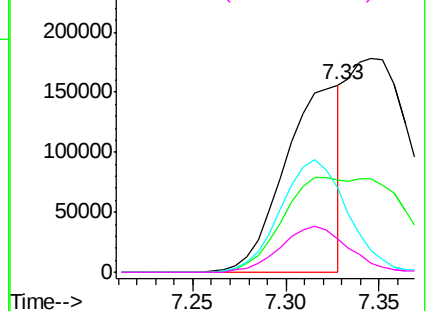


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 146.680 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003458.D

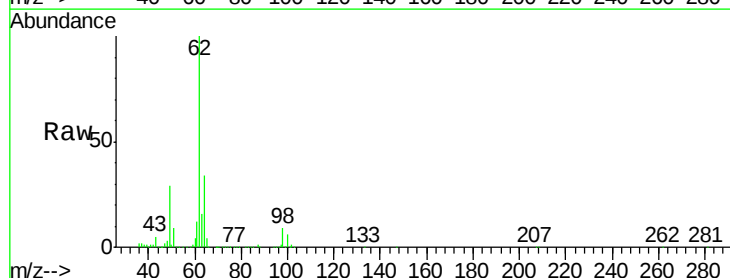
Acq: 05 Oct 2020 16:57

Tgt Ion: 62 Resp: 913006

Ion Ratio Lower Upper

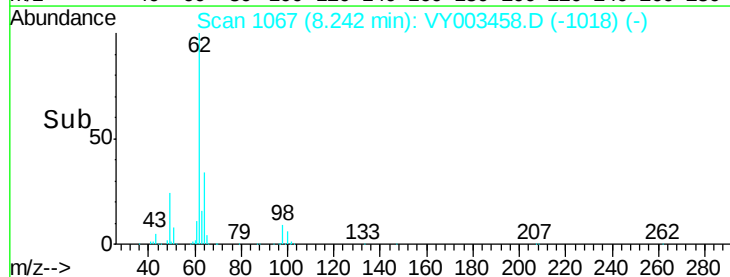
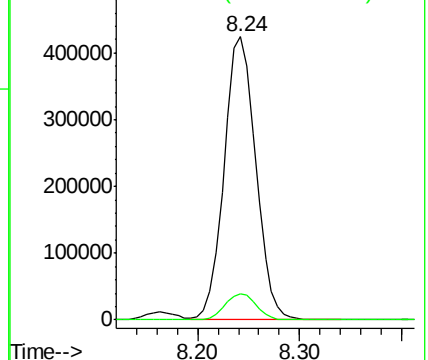
62 100

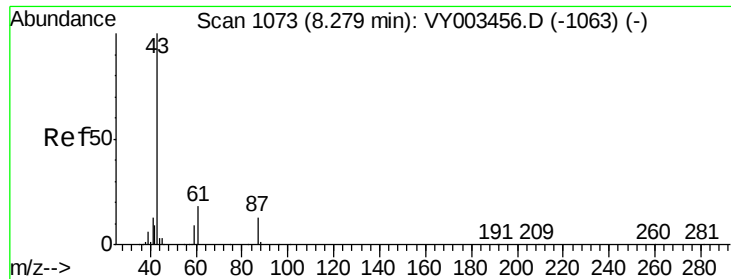
98 9.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





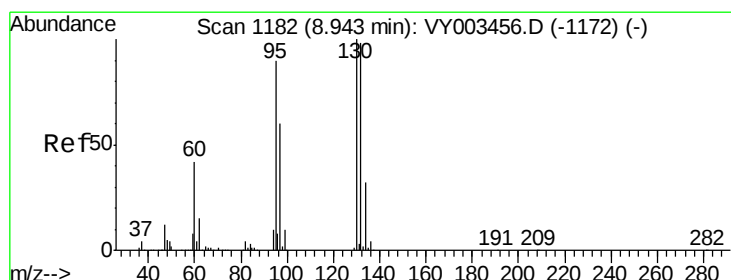
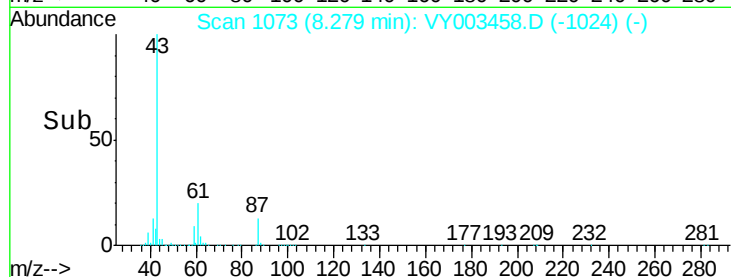
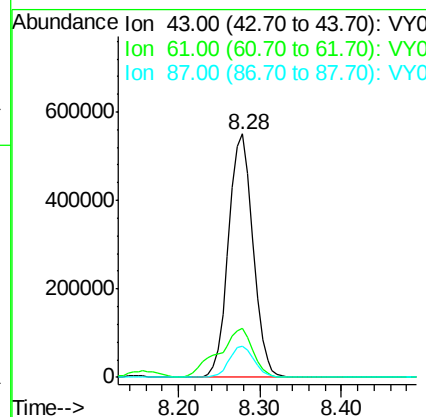
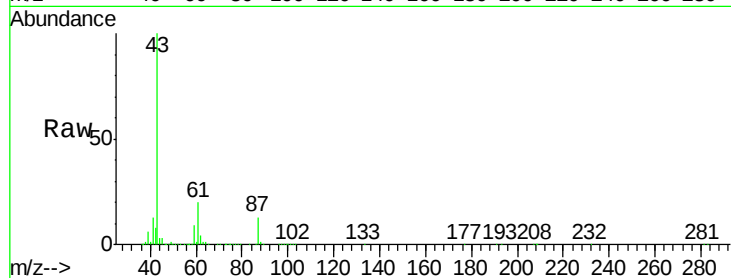
#43
Isopropyl Acetate
Concen: 144.422 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	13.0	10.4	15.6

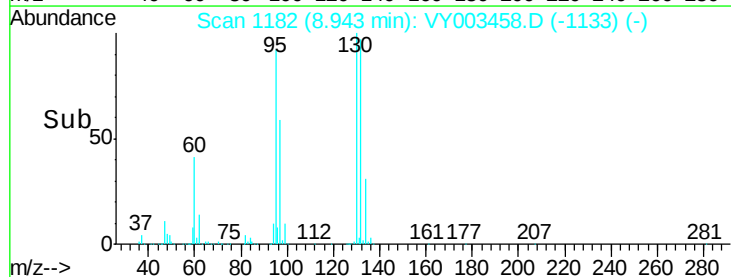
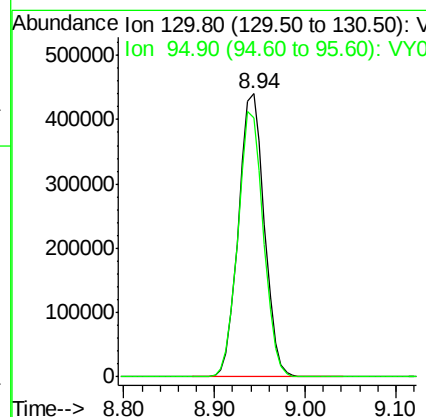
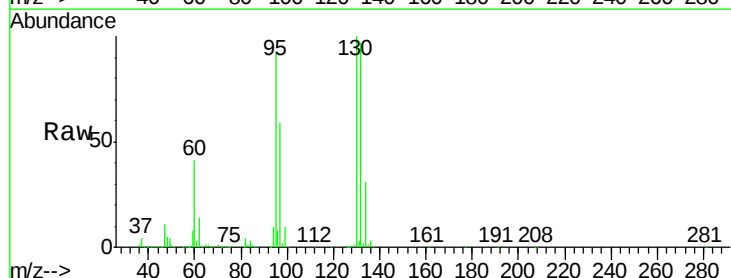
Manual Integrations
APPROVED

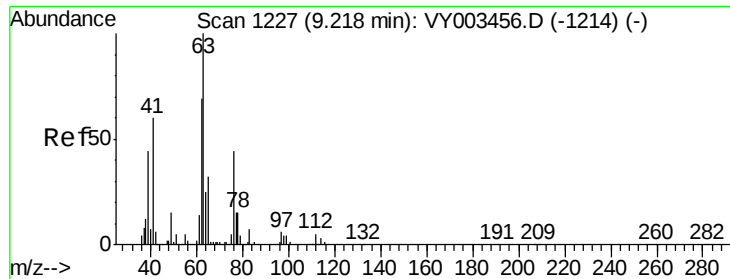
MMDadoda
10/6/2020 12:55:43 PM



#44
Trichloroethene
Concen: 148.743 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	180.6





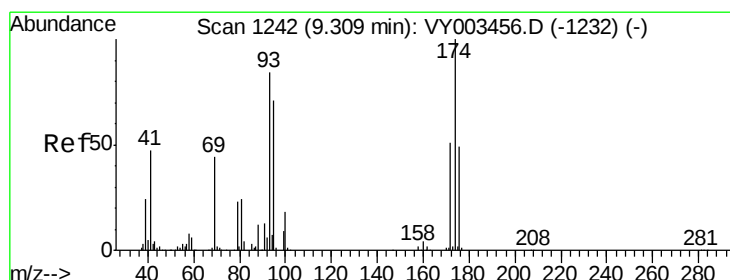
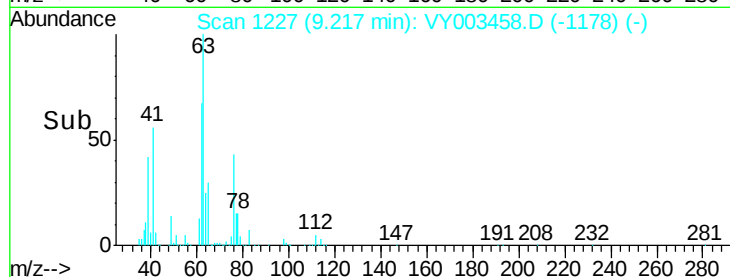
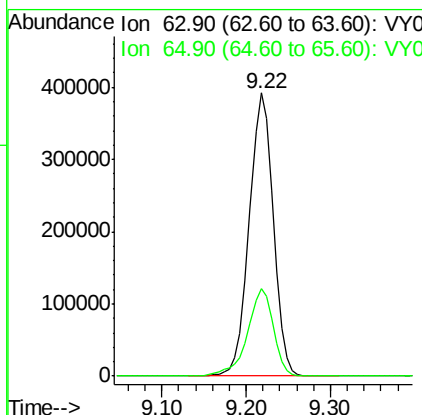
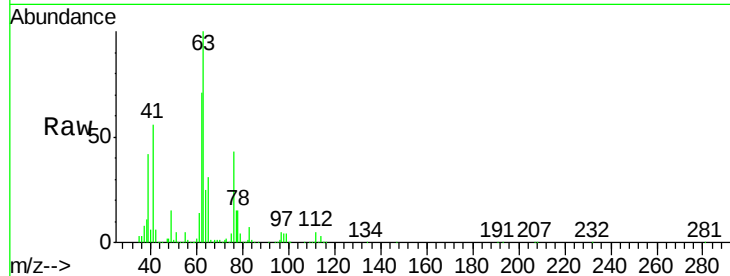
#45
 1,2-Dichloropropane
 Concen: 143.190 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.4	38.2

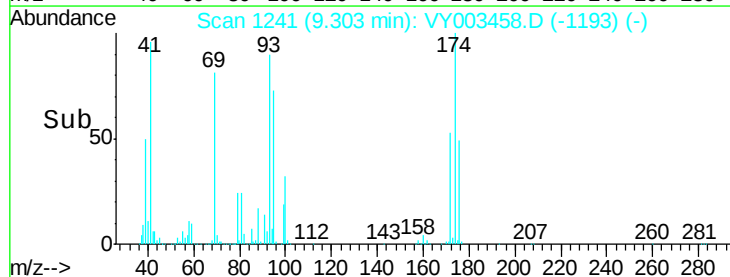
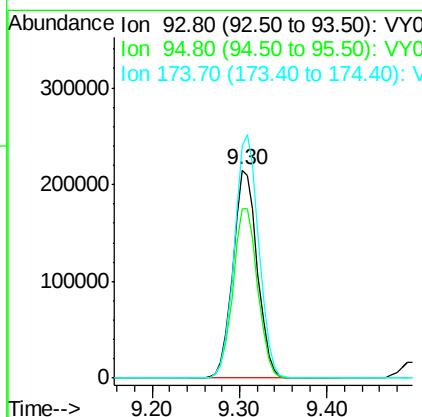
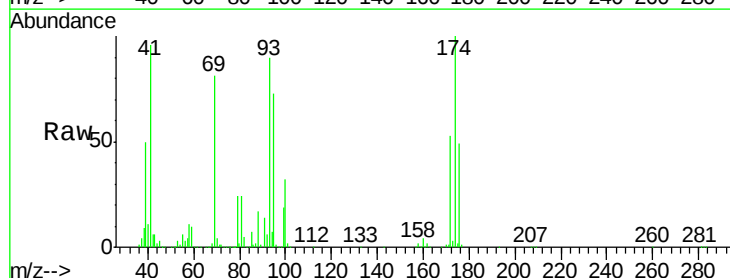
Manual Integrations
 APPROVED

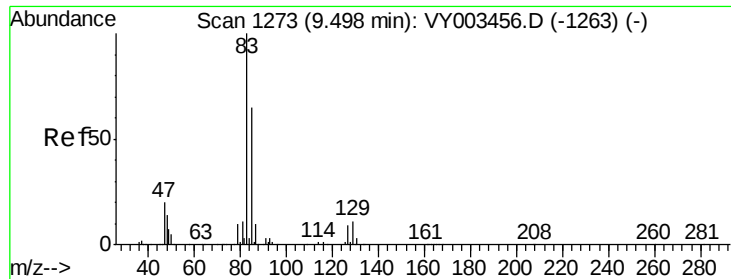
MMDadoda
 10/6/2020 12:55:43 PM



#46
 Dibromomethane
 Concen: 140.025 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	117.0	94.3	141.5





#47

Bromodichloromethane

Concen: 146.374 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1047109

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1

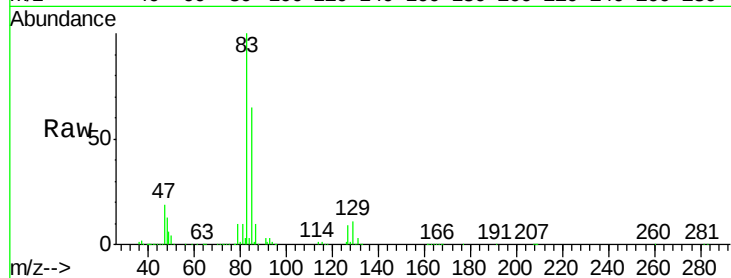
127 8.6 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

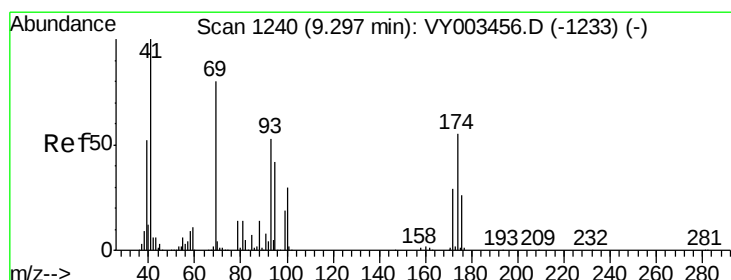
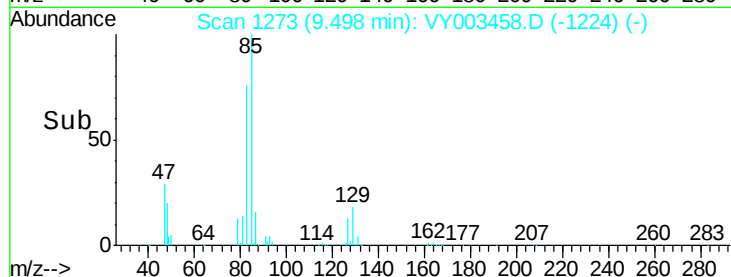
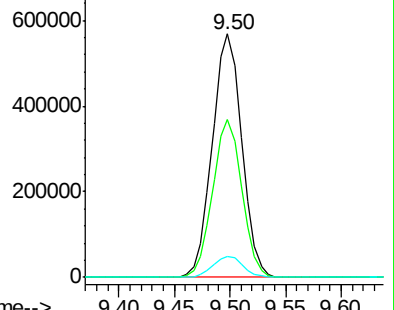
10/6/2020 12:55:43 PM



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 152.389 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

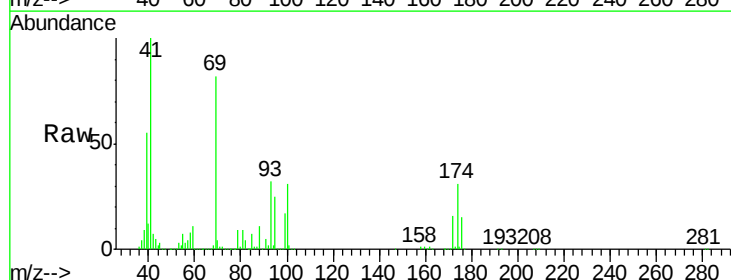
Tgt Ion: 41 Resp: 547382

Ion Ratio Lower Upper

41 100

69 85.0 66.3 99.5

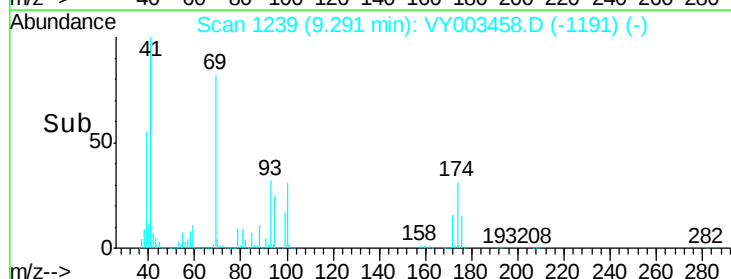
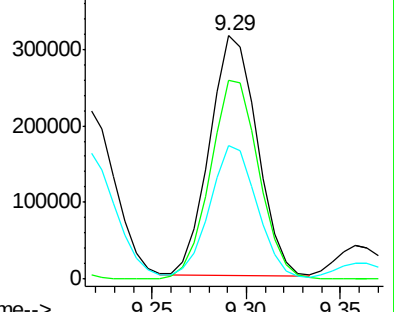
39 56.0 45.2 67.8

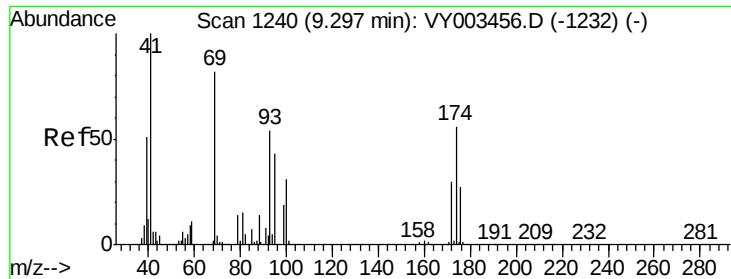


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





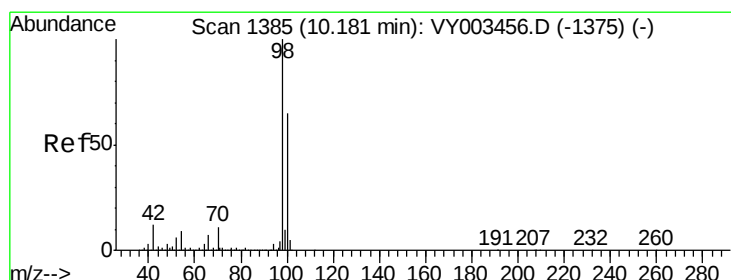
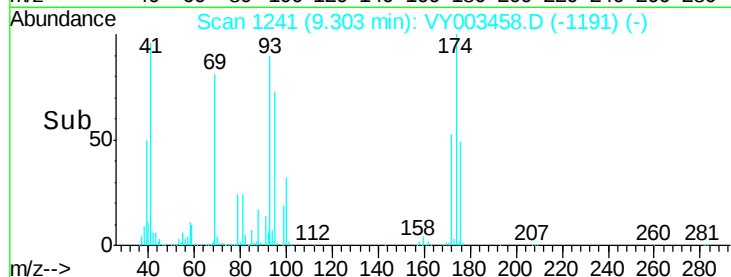
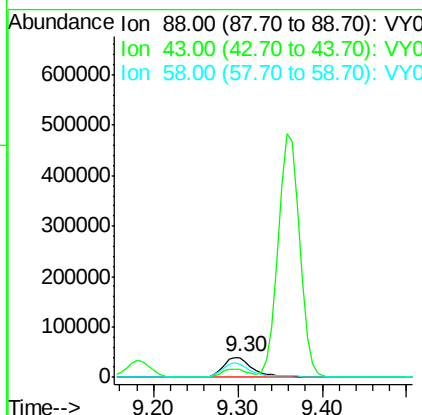
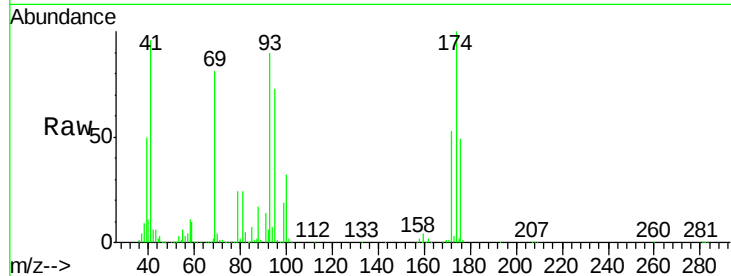
#49
1,4-Dioxane
Concen: 2624.933 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	99714
Ion	Ratio	Lower	Upper
88	100		
43	34.5	28.6	43.0
58	74.2	51.8	77.6

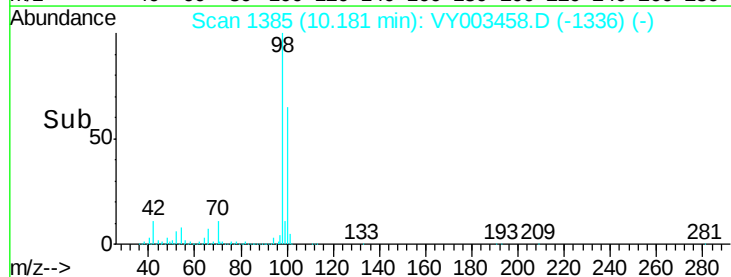
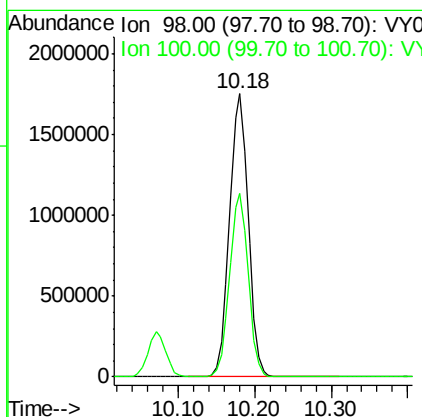
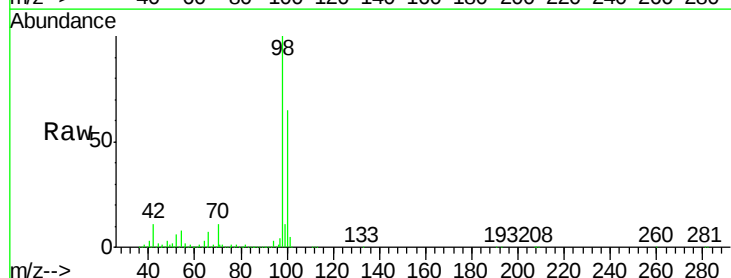
Manual Integrations
APPROVED

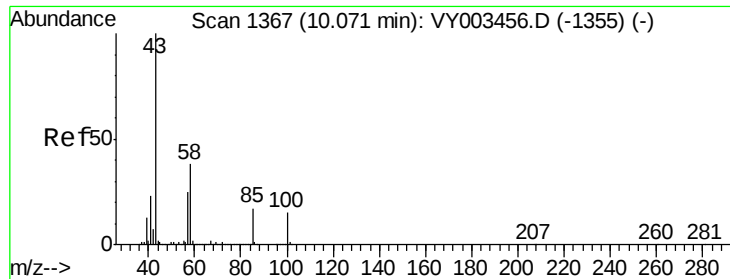
MMDadoda
10/6/2020 12:55:43 PM



#50
Toluene-d8
Concen: 164.422 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	98	Resp	2965146
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





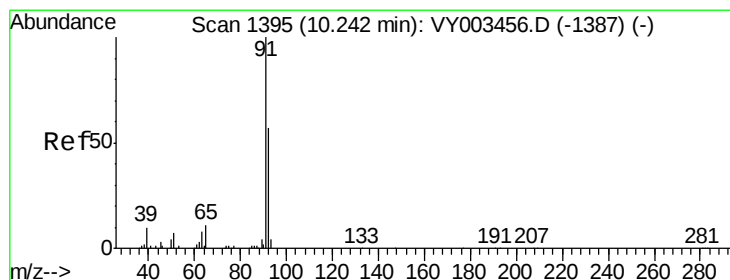
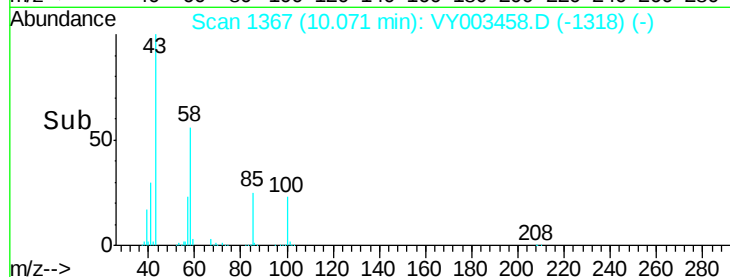
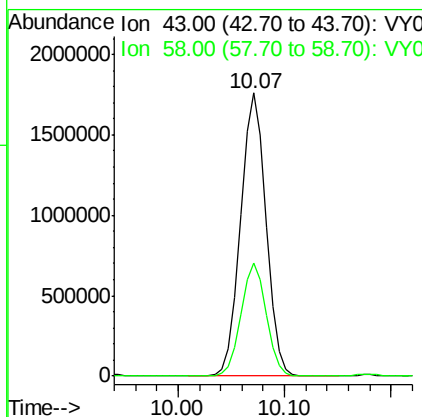
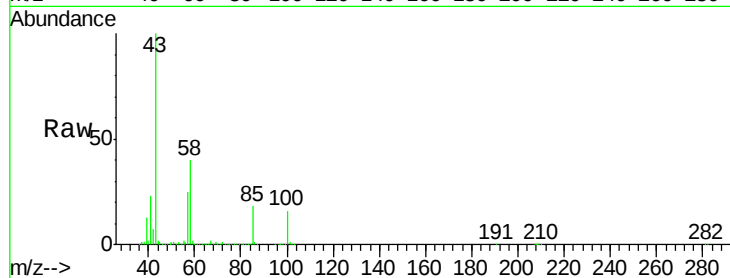
#51
4-Methyl-2-Pentanone
Concen: 713.585 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2957847
Ion Ratio Lower Upper
43 100
58 39.5 30.4 45.6

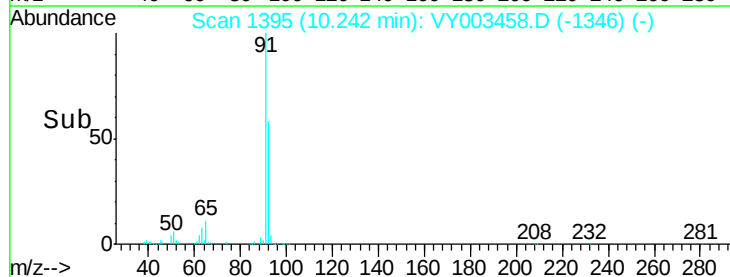
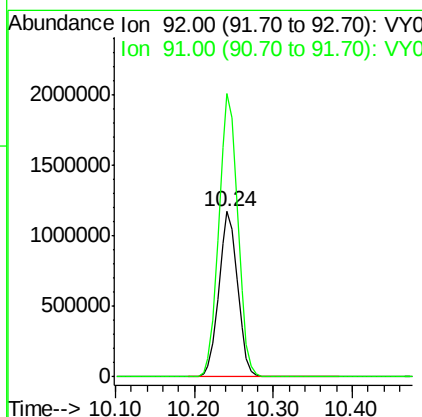
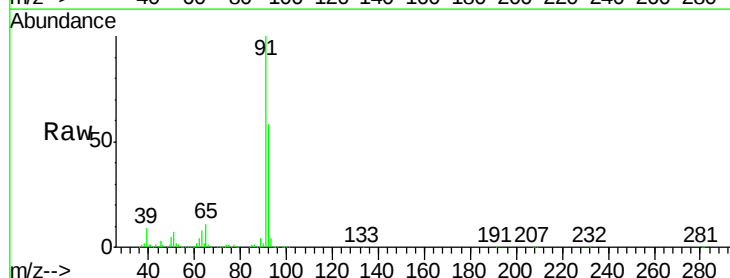
Manual Integrations
APPROVED

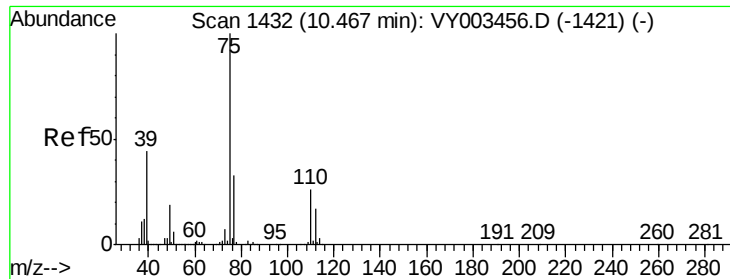
MMDadoda
10/6/2020 12:55:43 PM



#52
Toluene
Concen: 151.804 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion: 92 Resp: 1936394
Ion Ratio Lower Upper
92 100
91 173.4 140.0 210.0





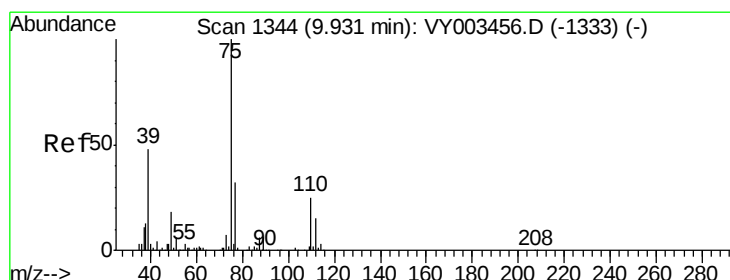
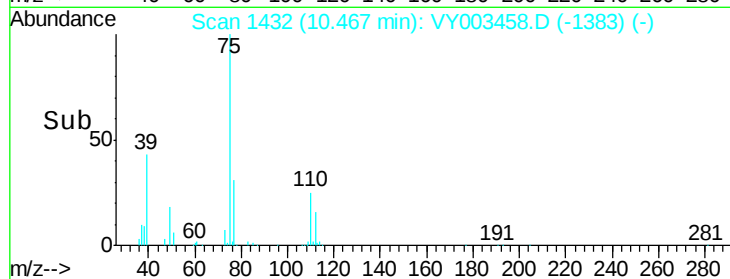
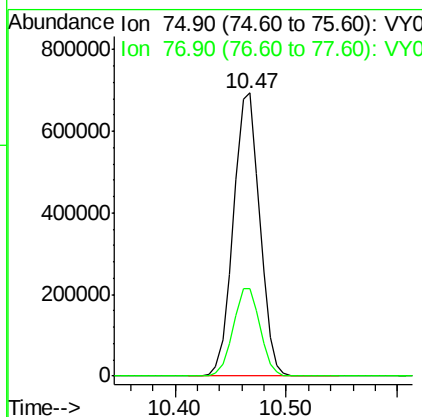
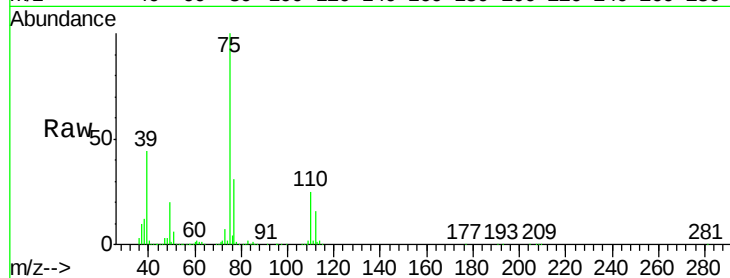
#53
t-1,3-Dichloropropene
Concen: 148.466 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1135065
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0

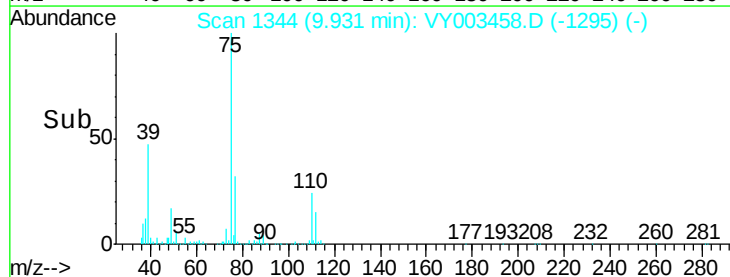
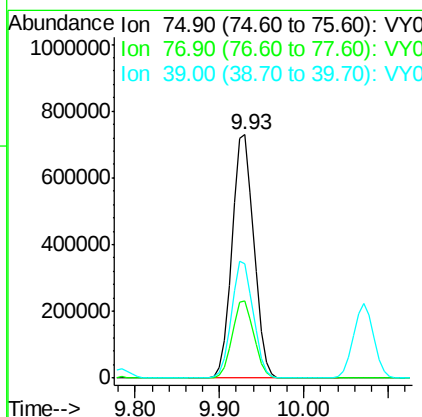
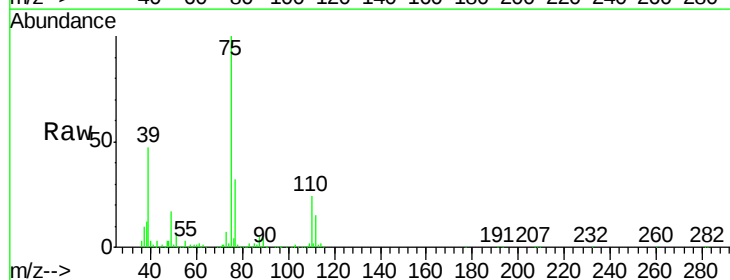
Manual Integrations
APPROVED

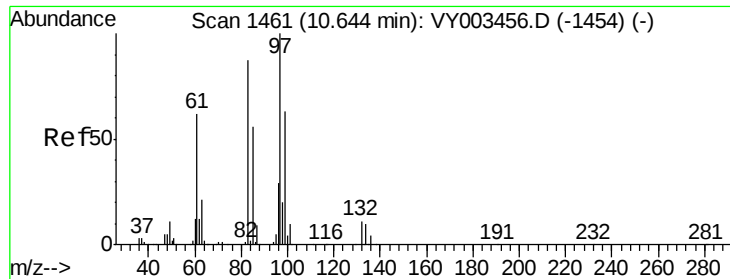
MMDadoda
10/6/2020 12:55:43 PM



#54
cis-1,3-Dichloropropene
Concen: 147.986 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion: 75 Resp: 1276697
Ion Ratio Lower Upper
75 100
77 31.6 25.9 38.9
39 46.7 38.7 58.1





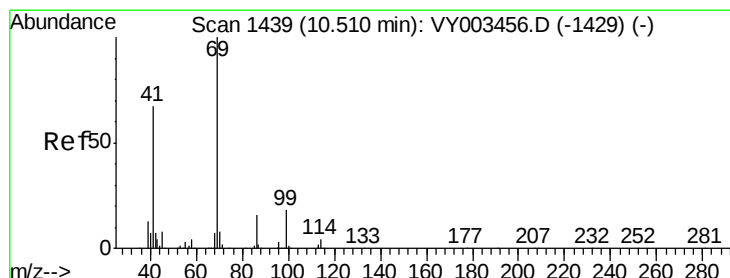
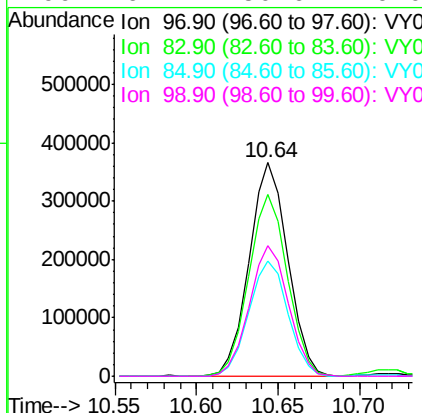
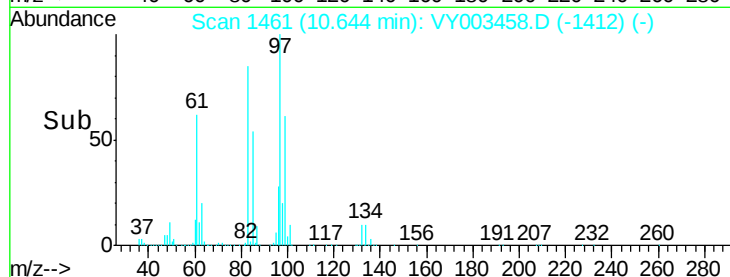
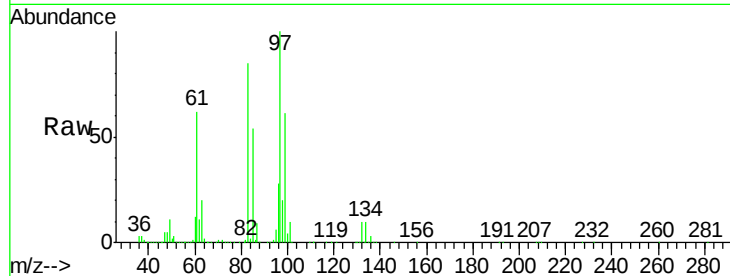
#55
 1,1,2-Trichloroethane
 Concen: 144.414 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	602082
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.9	104.9
85	53.7	44.5	66.7
99	61.1	50.6	76.0

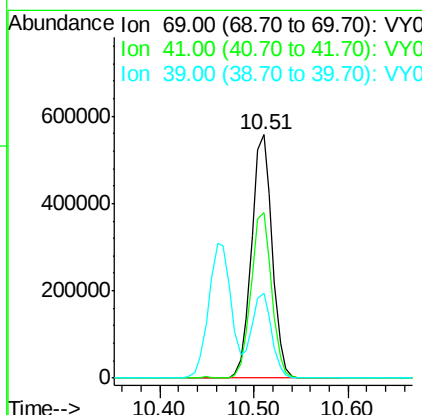
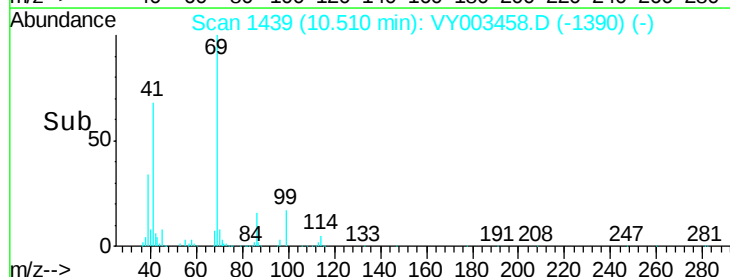
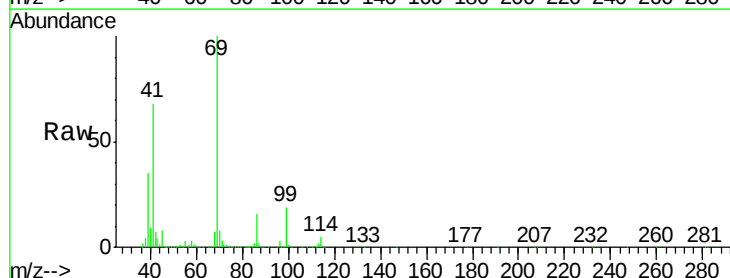
Manual Integrations
 APPROVED

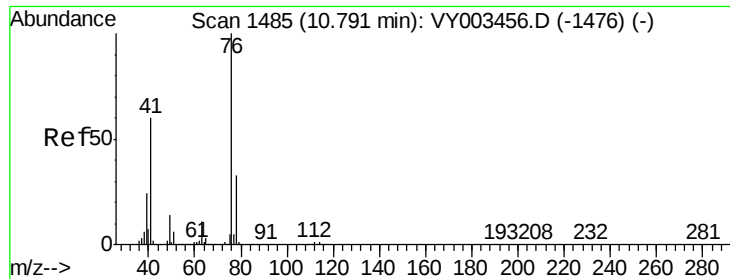
MMDadoda
 10/6/2020 12:55:43 PM



#56
 Ethyl methacrylate
 Concen: 148.978 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion:	69	Resp:	859277
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.4	83.2
39	34.2	28.8	43.2





#57

1,3-Dichloropropane

Concen: 144.113 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1046971

Ion Ratio Lower Upper

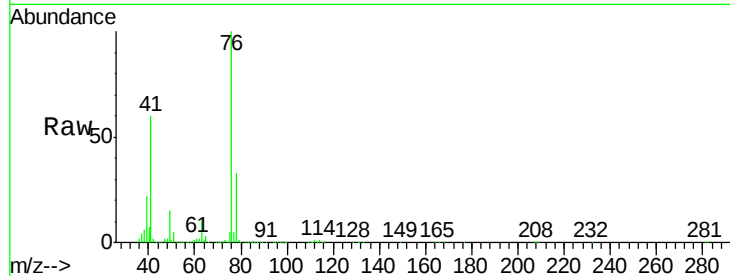
76 100

78 32.4 26.2 39.2

Manual Integrations
APPROVED

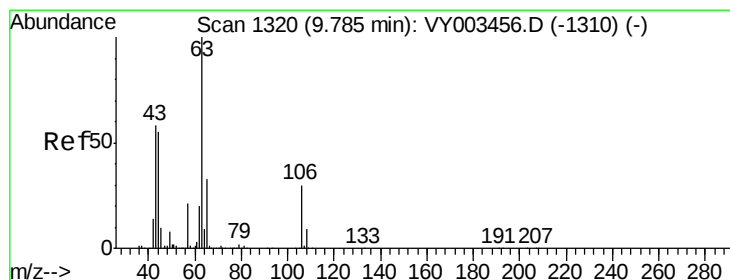
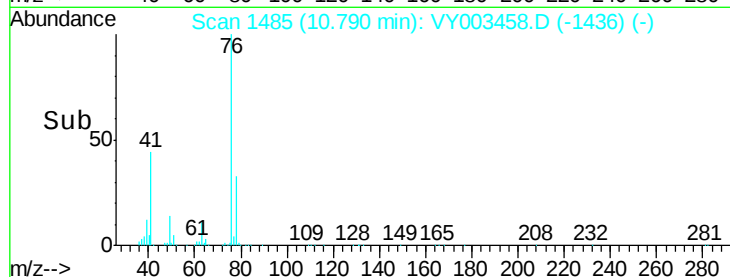
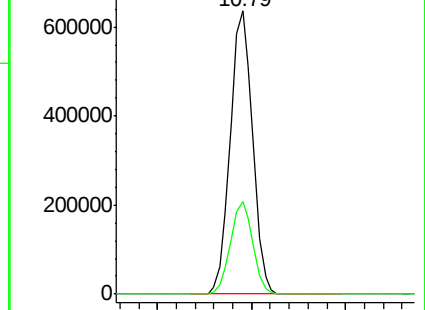
MMDadoda

10/6/2020 12:55:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 794.732 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003458.D

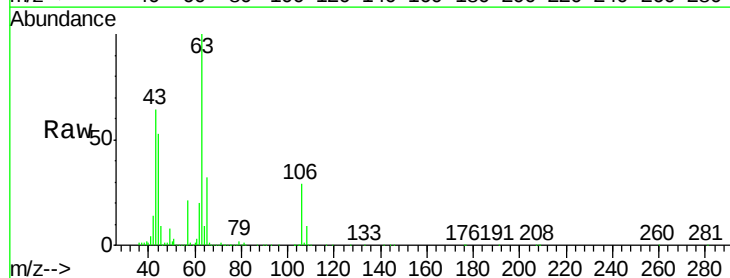
Acq: 05 Oct 2020 16:57

Tgt Ion: 63 Resp: 2172578

Ion Ratio Lower Upper

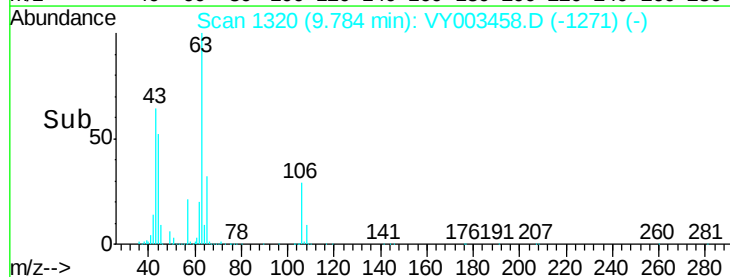
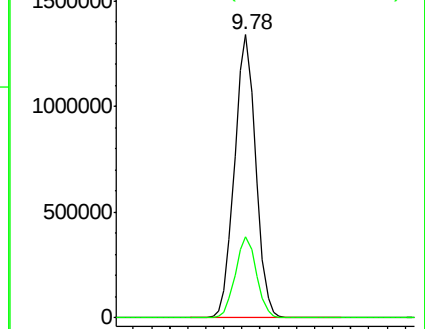
63 100

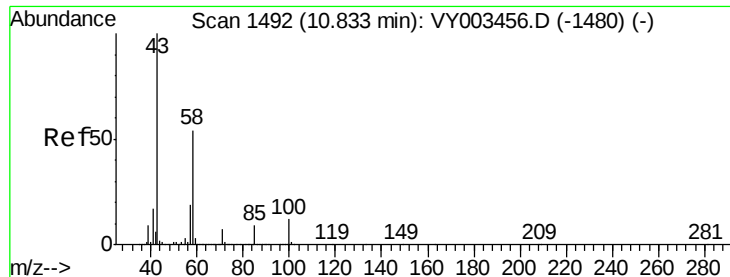
106 28.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





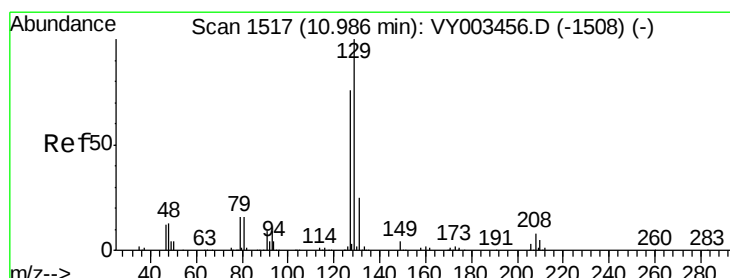
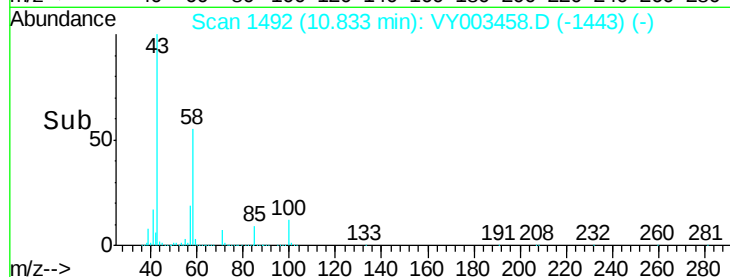
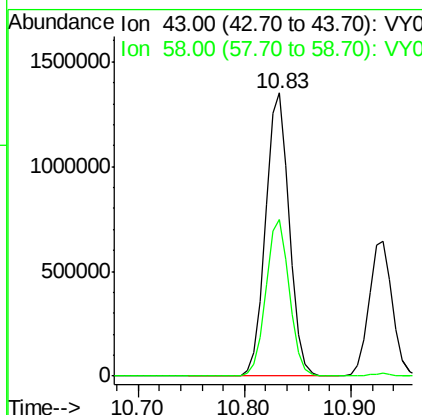
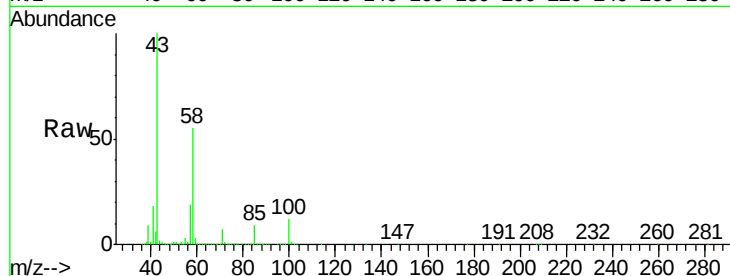
#59
2-Hexanone
Concen: 725.920 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 2100818
Ion Ratio Lower Upper
43 100
58 54.9 26.8 80.3

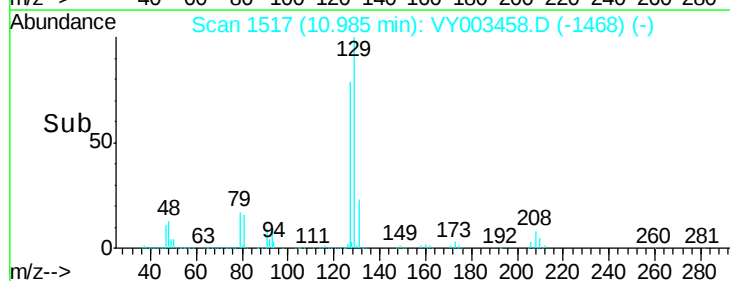
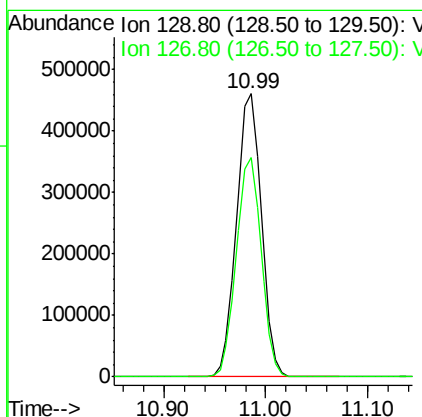
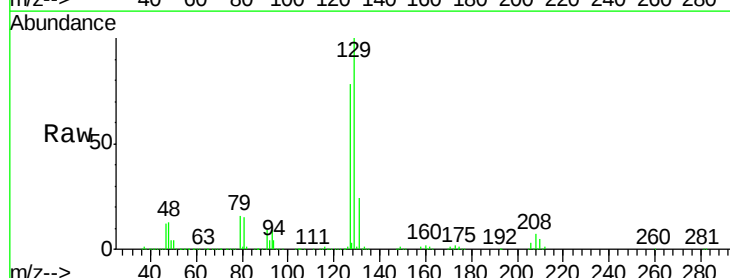
Manual Integrations
APPROVED

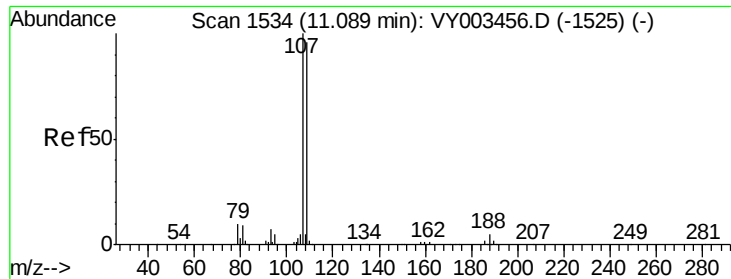
MMDadoda
10/6/2020 12:55:43 PM



#60
Dibromochloromethane
Concen: 147.927 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion: 129 Resp: 776548
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





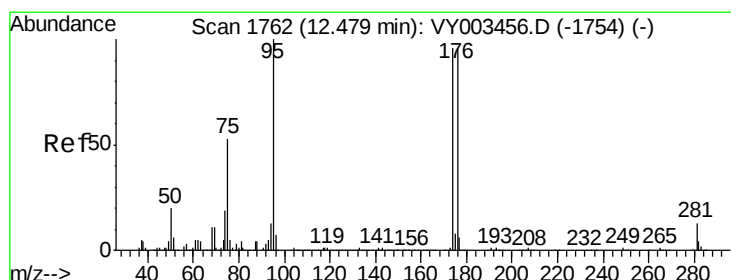
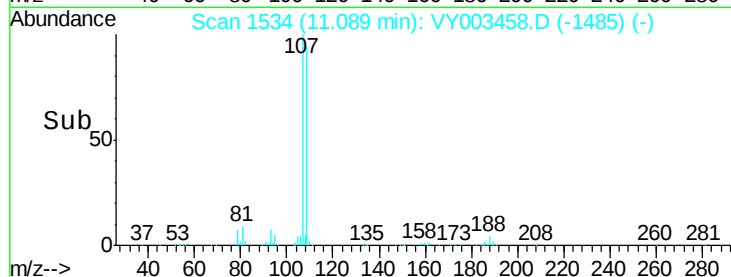
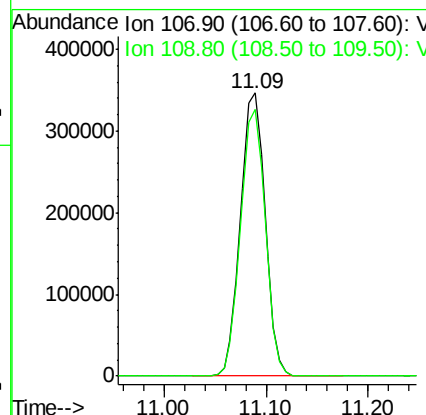
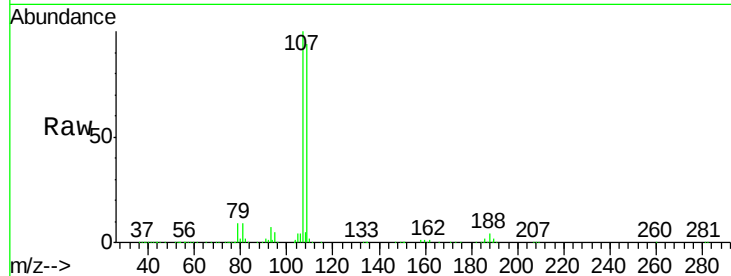
#61
1,2-Dibromoethane
Concen: 143.405 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	580960		
109	94.4	75.6	113.4	

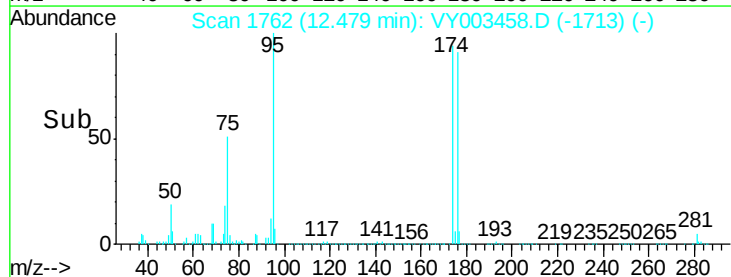
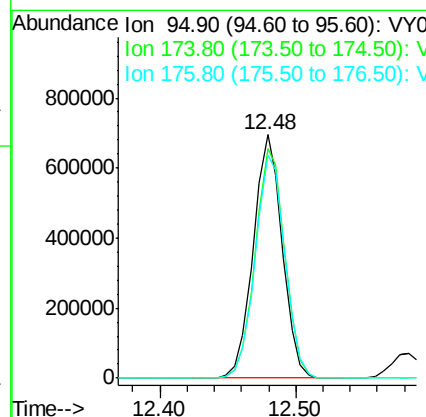
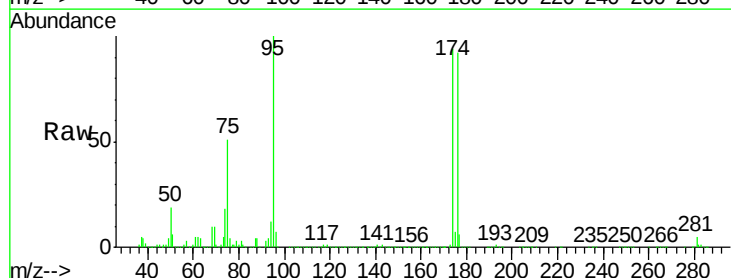
Manual Integrations
APPROVED

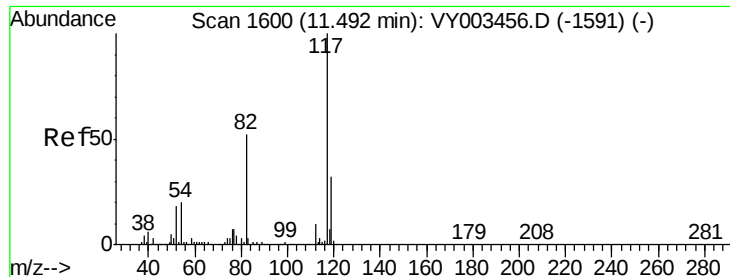
MMDadoda
10/6/2020 12:55:43 PM



#62
4-Bromofluorobenzene
Concen: 167.472 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	1037130		
174	96.5	0.0	197.0	
176	93.8	0.0	193.6	





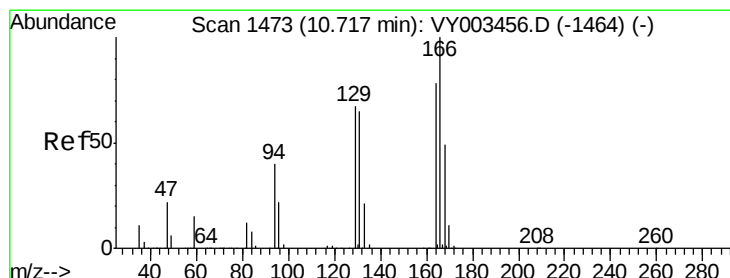
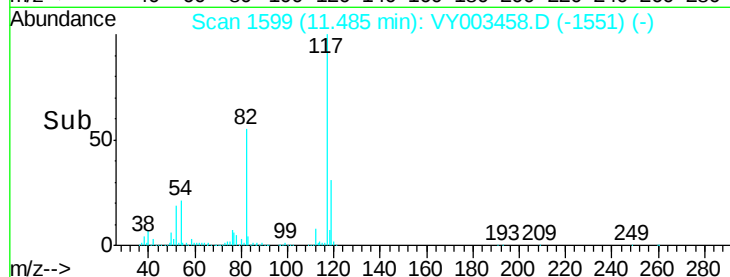
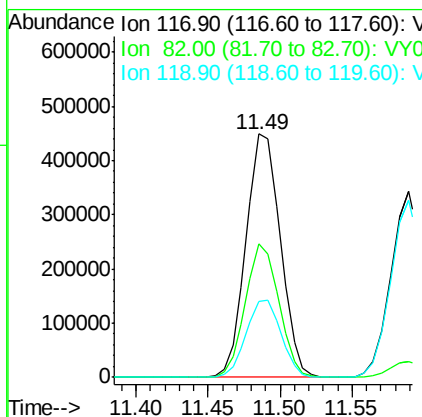
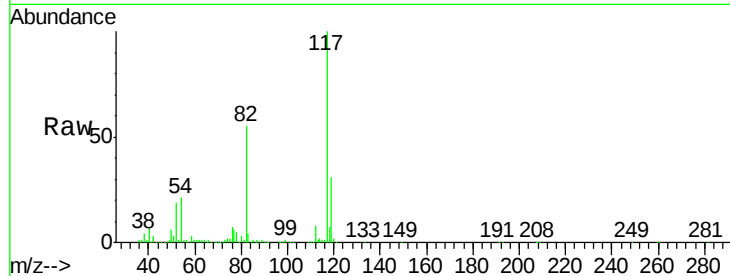
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	41.7	62.5
119	31.3	25.3	37.9

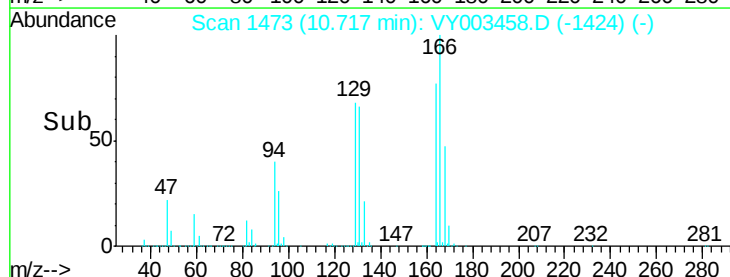
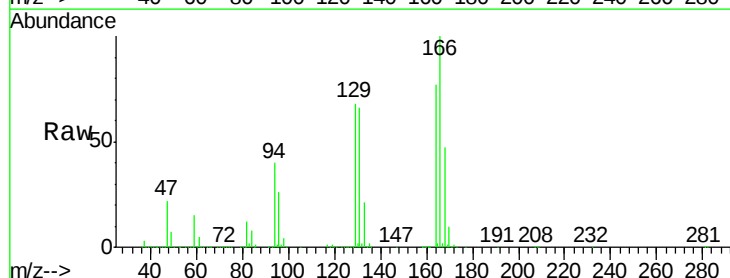
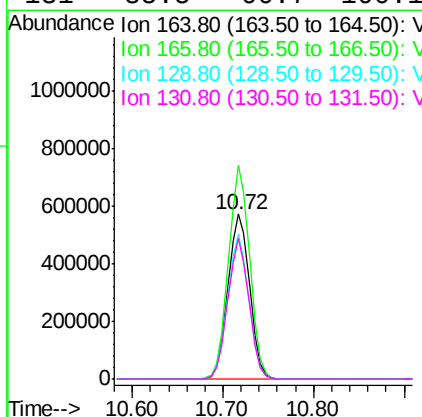
Manual Integrations
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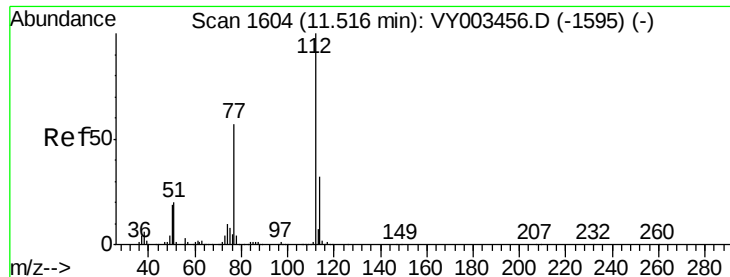
MMDadoda
10/6/2020 12:55:43 PM



#64
Tetrachloroethene
Concen: 151.054 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.0	154.6
129	87.8	68.9	103.3
131	85.5	66.7	100.1





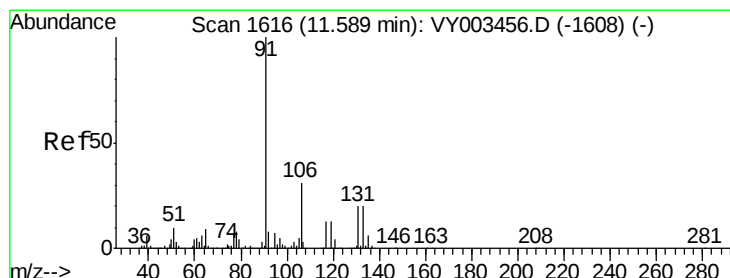
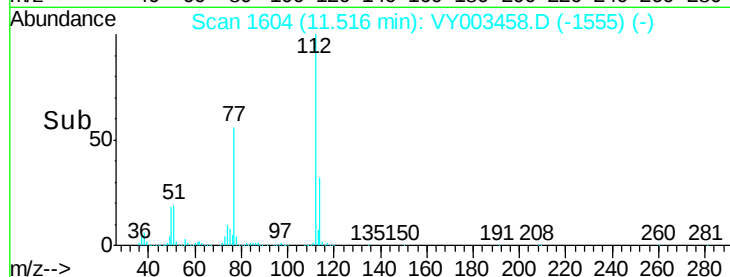
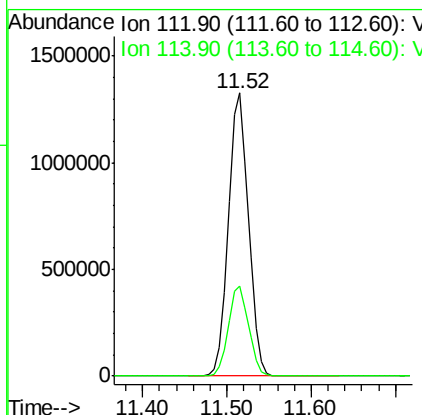
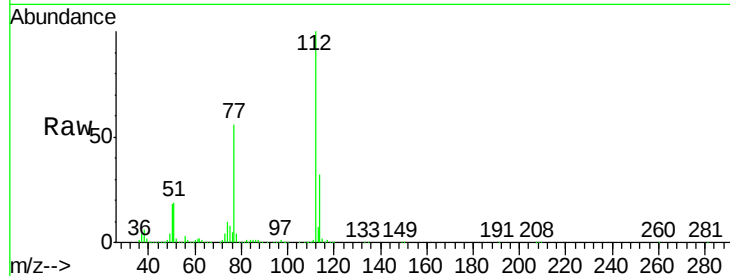
#65
Chlorobenzene
Concen: 146.775 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2128417
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

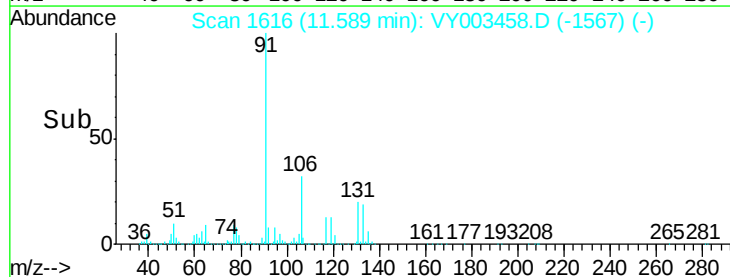
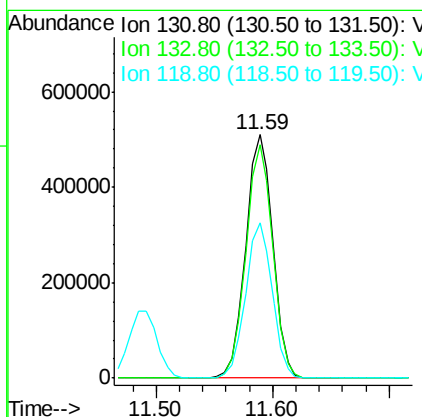
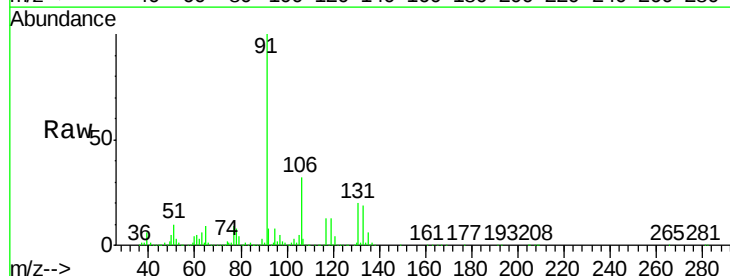
Manual Integrations
APPROVED

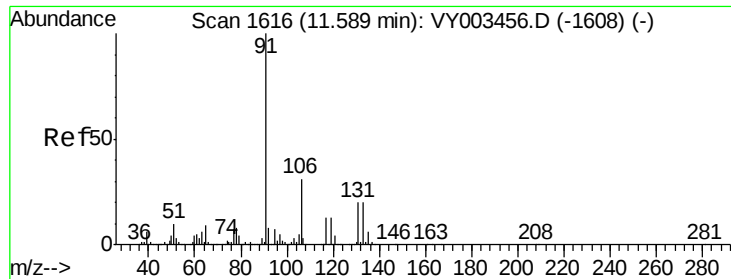
MMDadoda
10/6/2020 12:55:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 146.811 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion:131 Resp: 827765
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 63.0 31.5 94.5





#67

Ethyl Benzene

Concen: 149.519 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3907963

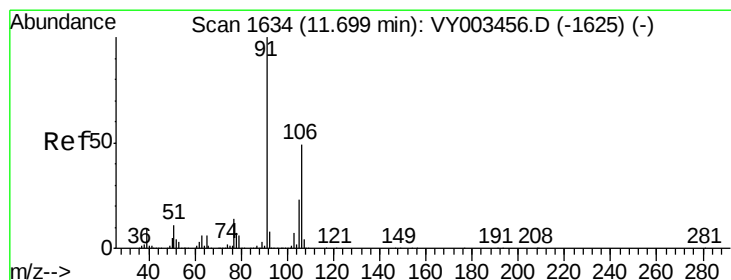
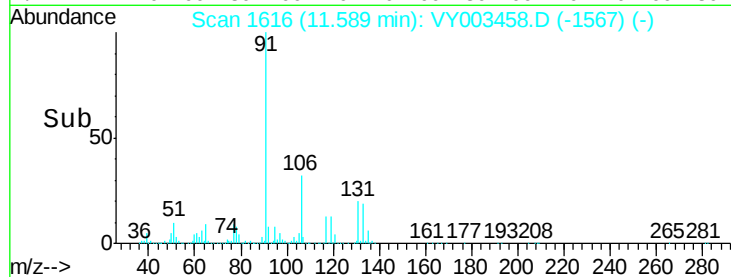
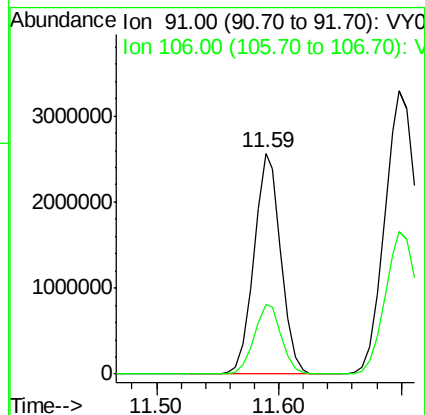
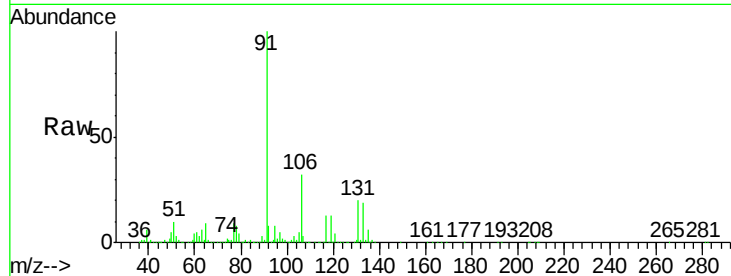
Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
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#68

m/p-Xylenes

Concen: 302.924 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003458.D

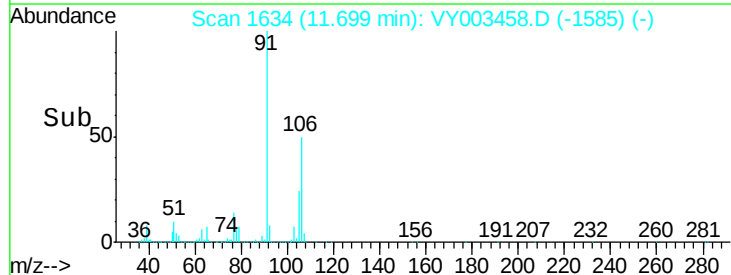
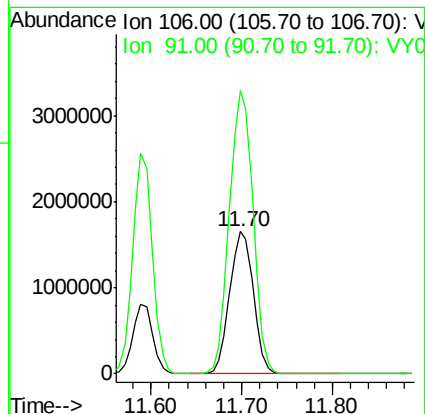
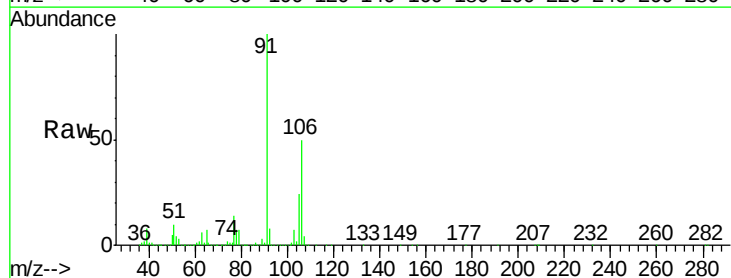
Acq: 05 Oct 2020 16:57

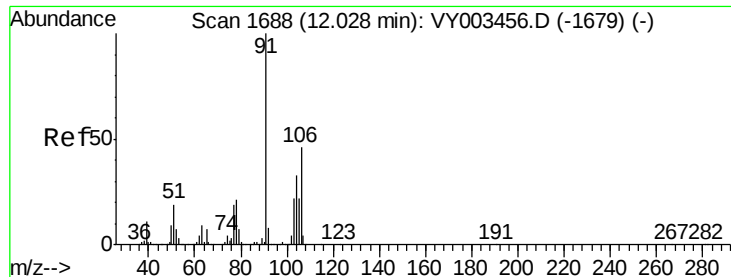
Tgt Ion: 106 Resp: 2991559

Ion Ratio Lower Upper

106 100

91 199.9 160.9 241.3





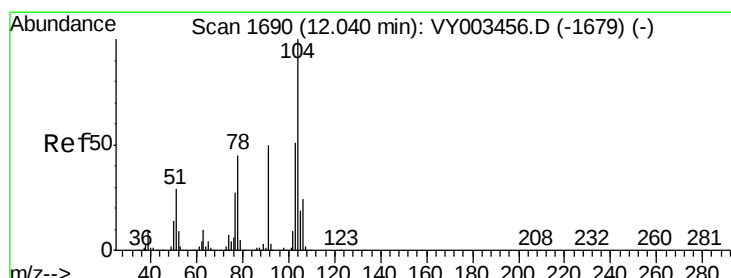
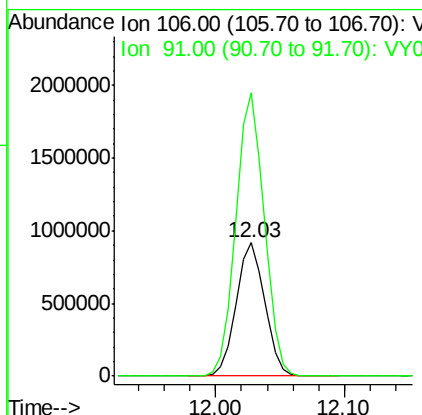
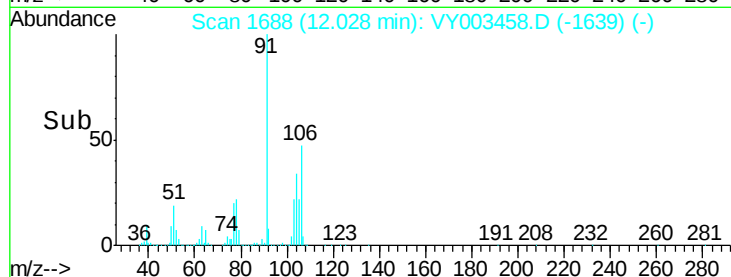
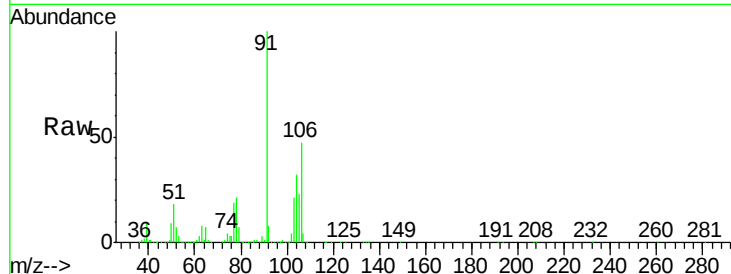
#69
o-Xylene
Concen: 152.774 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion:106 Resp: 1410875
Ion Ratio Lower Upper
106 100
91 211.6 106.8 320.4

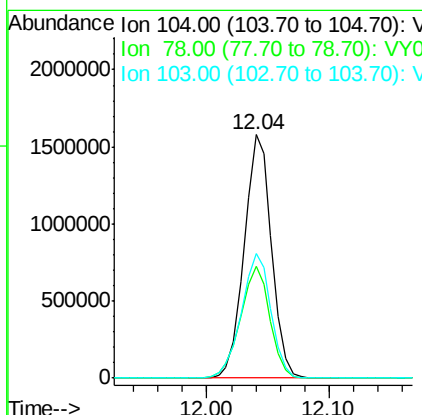
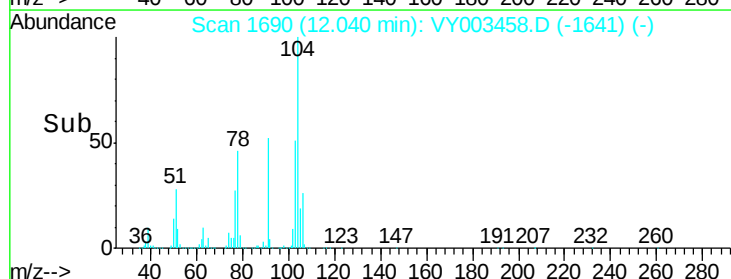
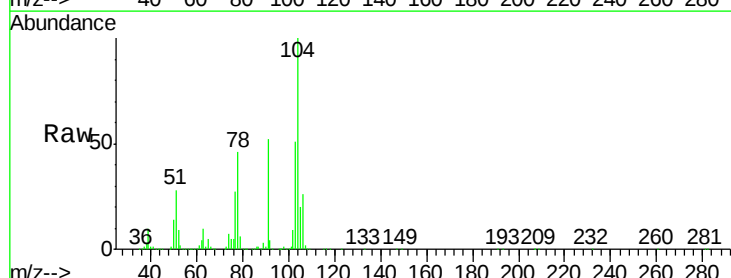
Manual Integrations
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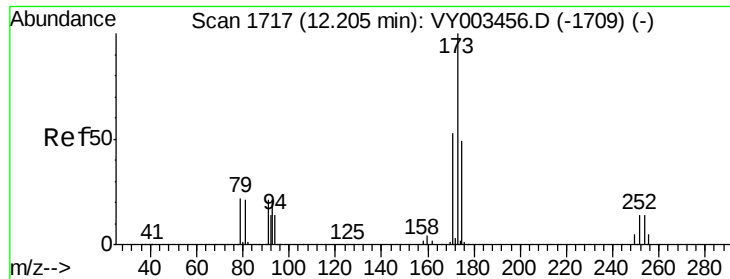
MMDadoda
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#70
Styrene
Concen: 153.955 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion:104 Resp: 2436557
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.6
103 55.1 44.2 66.4





#71

Bromoform

Concen: 144.100 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 529706

Ion Ratio Lower Upper

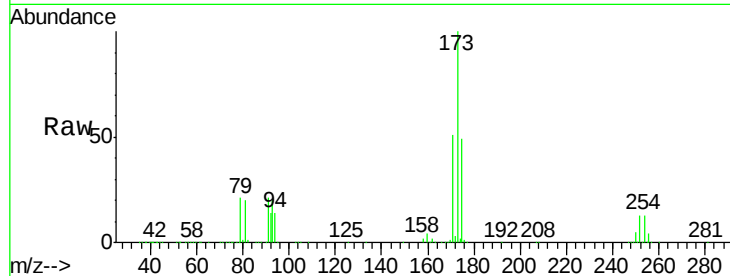
173 100

175 48.8 24.9 74.7

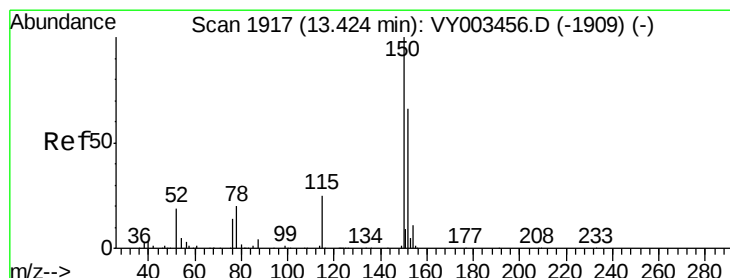
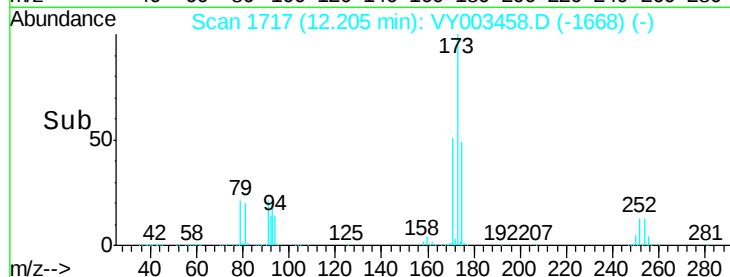
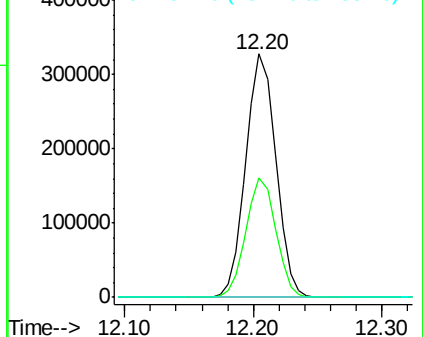
254 0.2 0.2 0.4#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

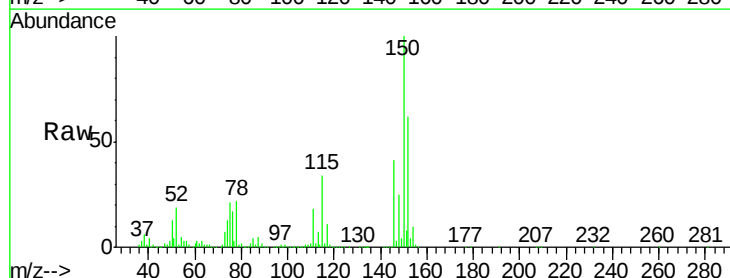
Tgt Ion:152 Resp: 394545

Ion Ratio Lower Upper

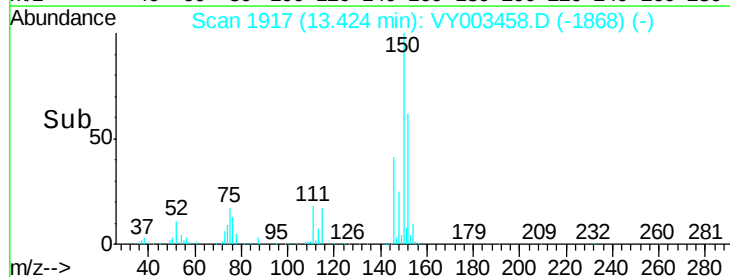
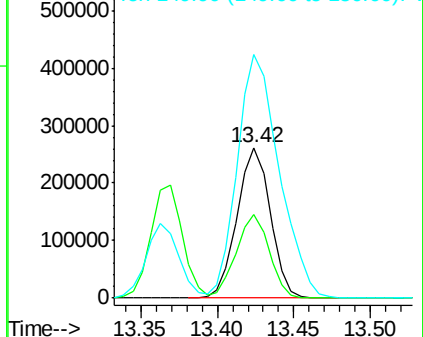
152 100

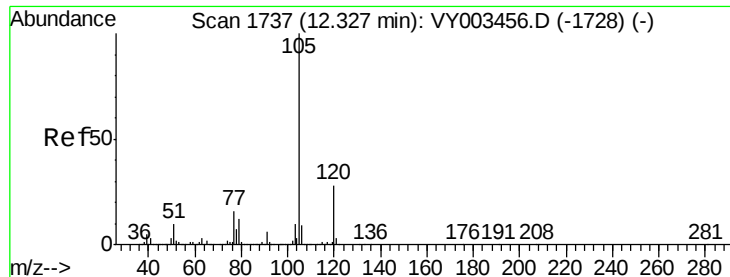
115 54.9 27.0 80.8

150 204.6 0.0 343.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.430 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3791621

Ion Ratio Lower Upper

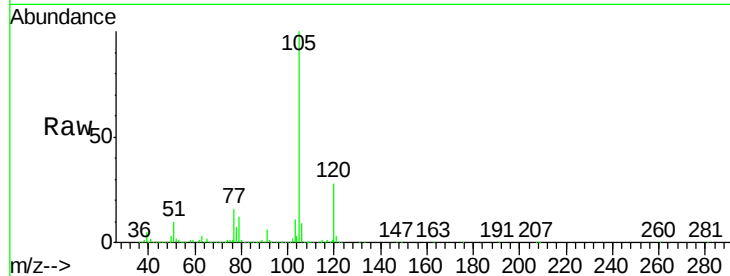
105 100

120 27.4 13.7 41.0

Manual Integrations
APPROVED

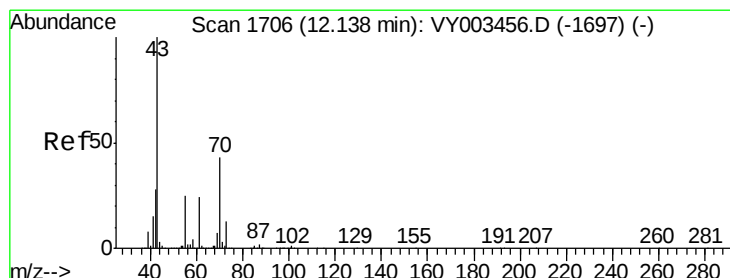
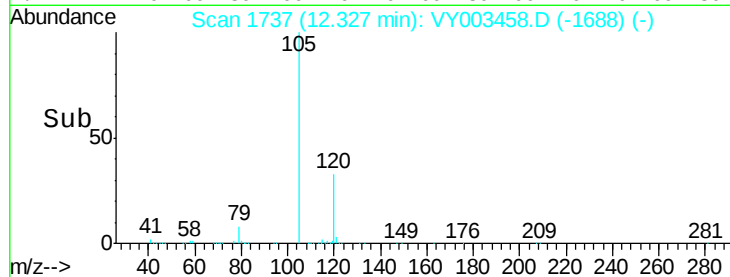
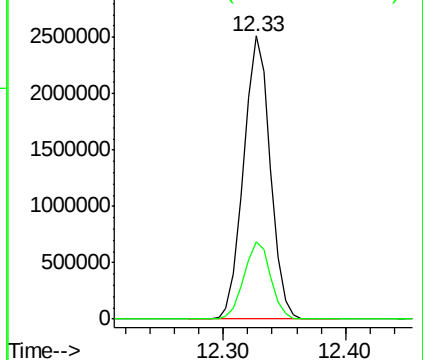
MMDadoda

10/6/2020 12:55:43 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: 141.944 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion: 43 Resp: 1051097

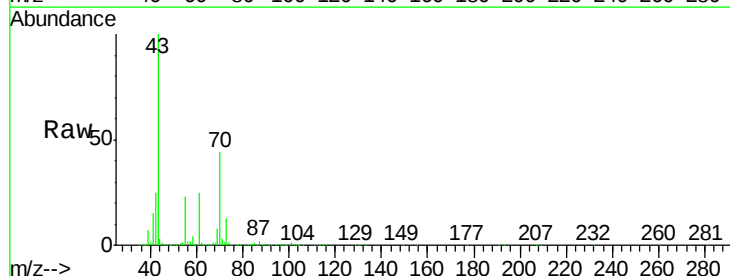
Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 23.7 19.5 29.3

61 24.8 19.4 29.2

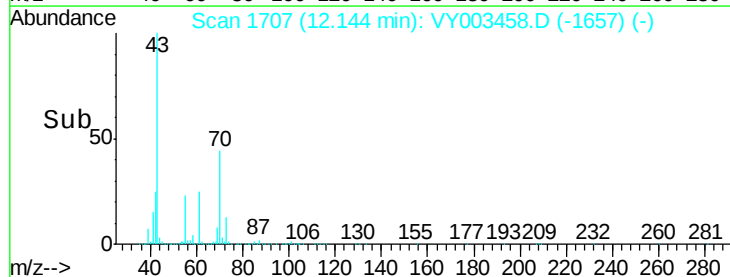
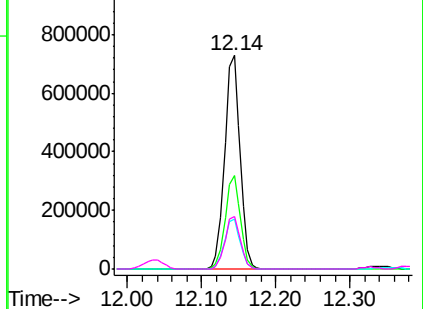


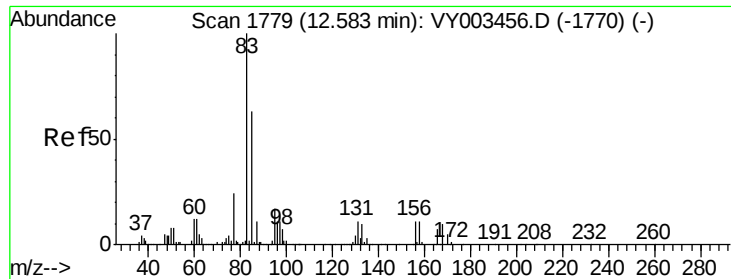
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 137.661 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

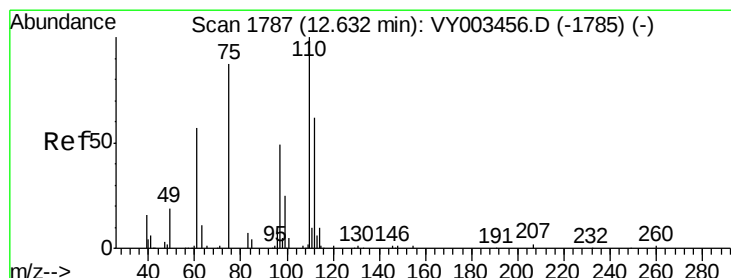
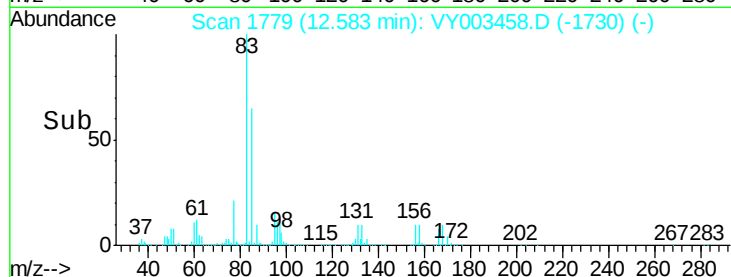
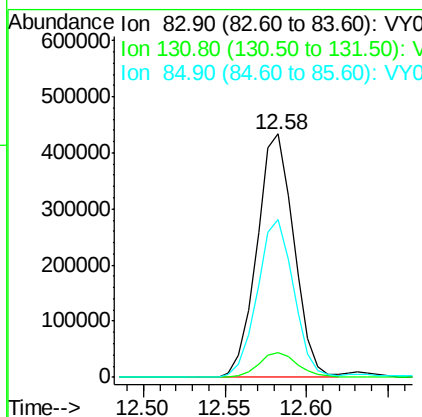
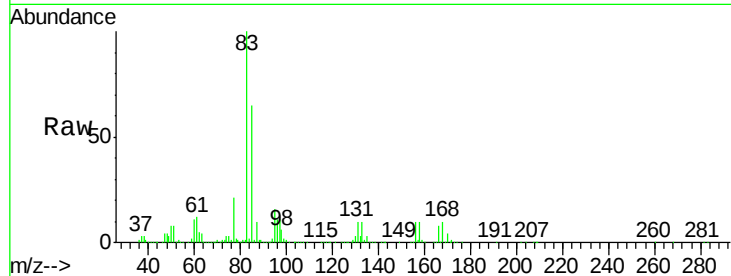
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	684229
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	63.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 139.902 ug/l m

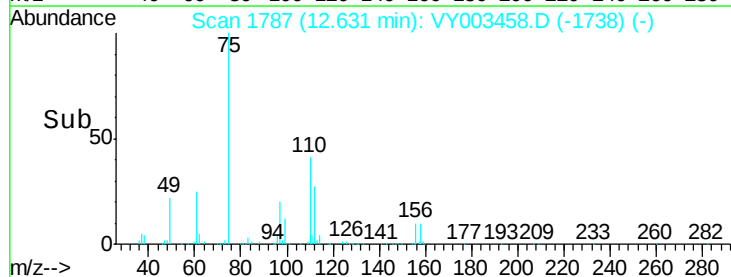
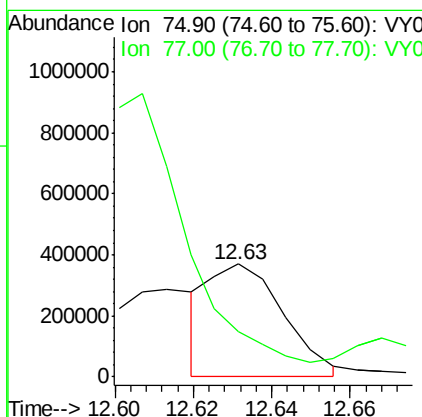
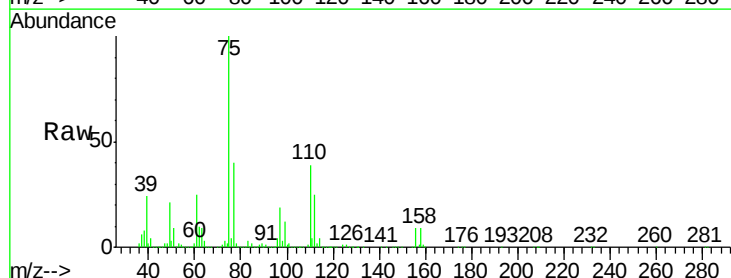
RT: 12.63 min Scan# 1787

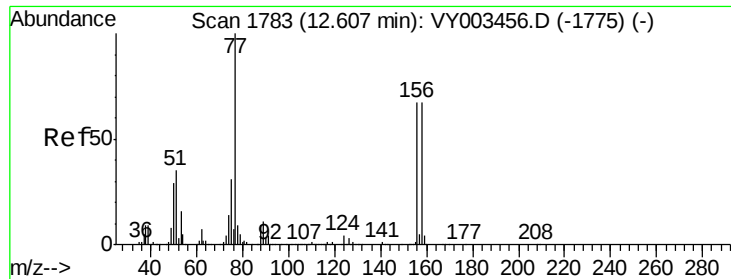
Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion:	75	Resp:	491544
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





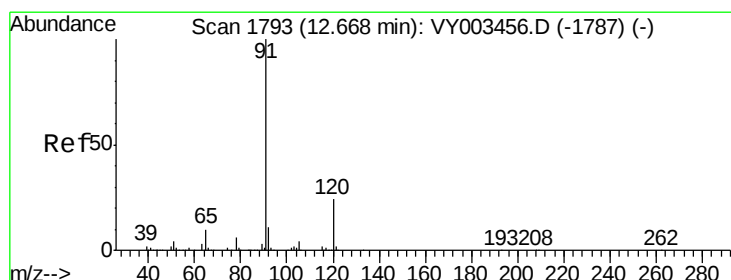
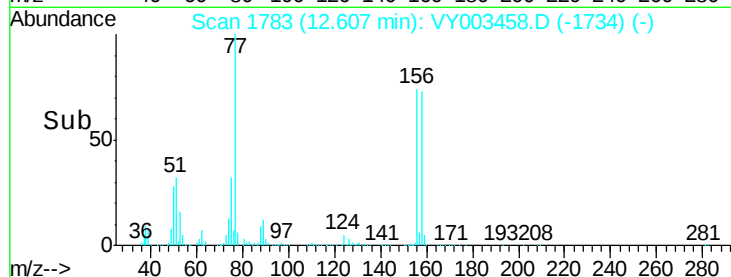
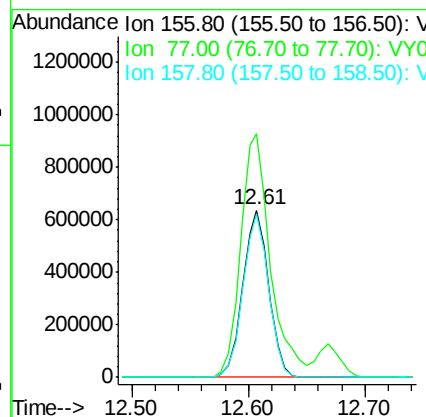
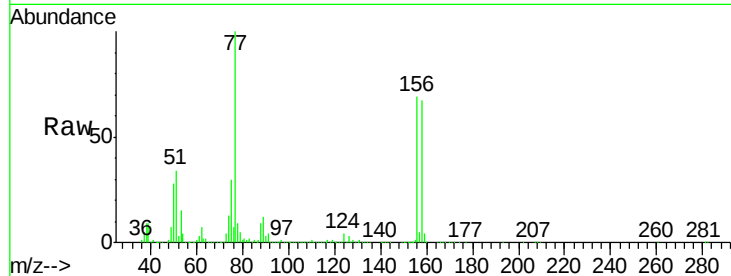
#77
Bromobenzene
Concen: 151.825 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.3	84.5	253.4
158	97.4	49.4	148.2

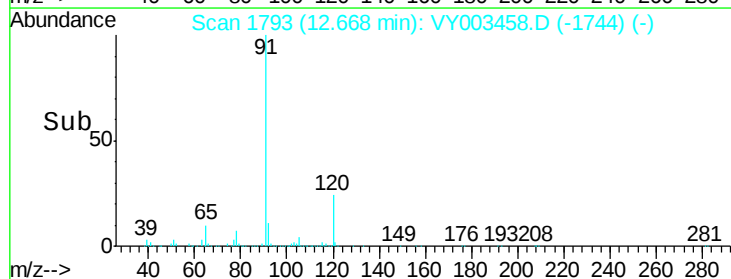
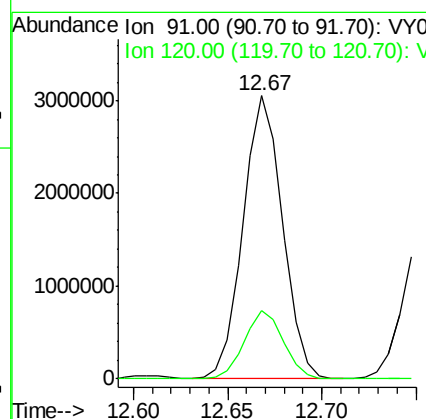
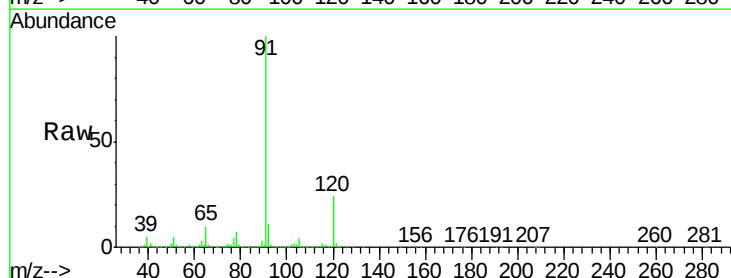
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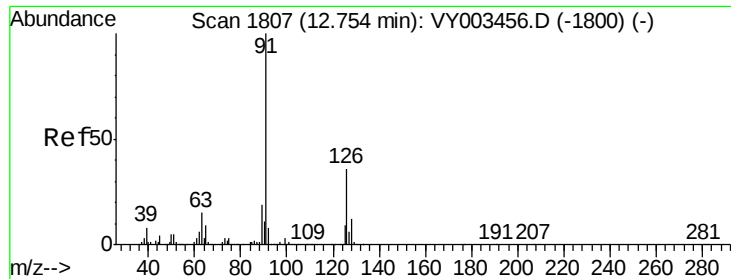
MMDadoda
10/6/2020 12:55:43 PM



#78
n-propylbenzene
Concen: 147.270 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 148.975 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2495921

Ion Ratio Lower Upper

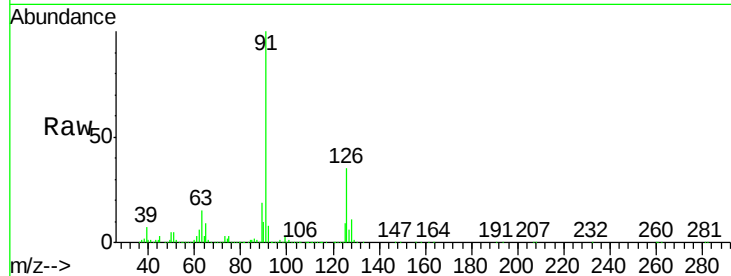
91 100

126 35.7 17.8 53.3

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Abundance Ion 91.00 (90.70 to 91.70): VY003458.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003458.D (-1758) (-)

3000000

2500000

2000000

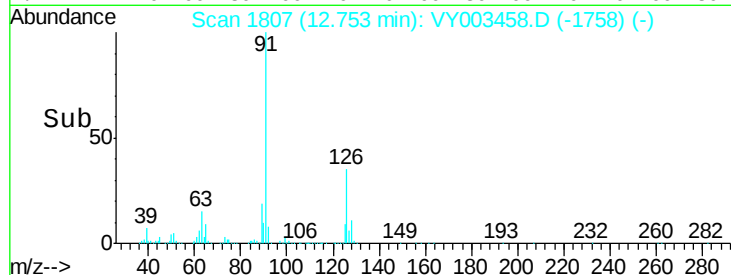
1500000

1000000

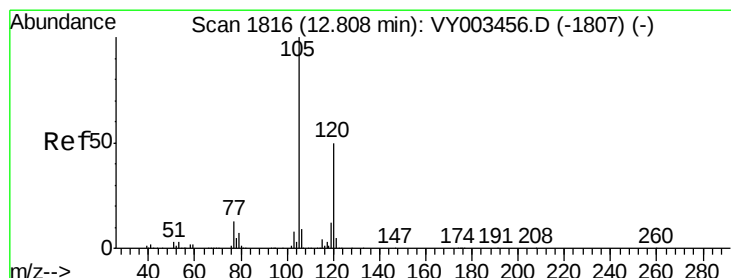
500000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 151.211 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003458.D

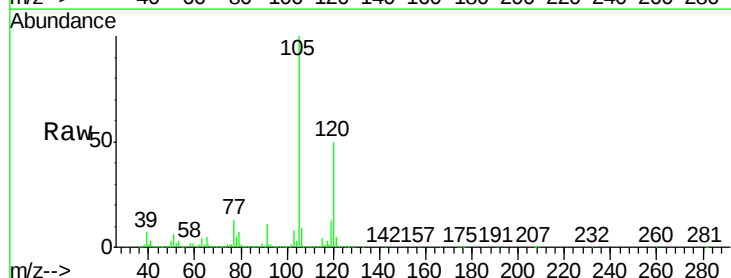
Acq: 05 Oct 2020 16:57

Tgt Ion: 105 Resp: 3213752

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VY003458.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003458.D (-1767) (-)

2500000

2000000

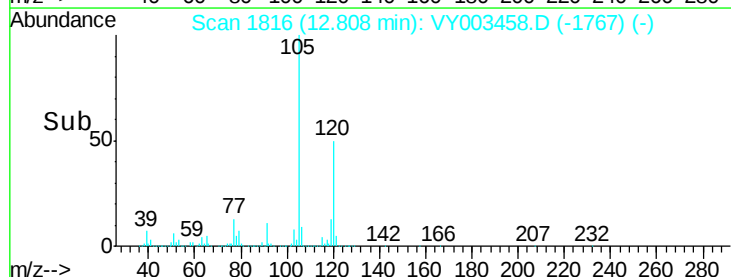
1500000

1000000

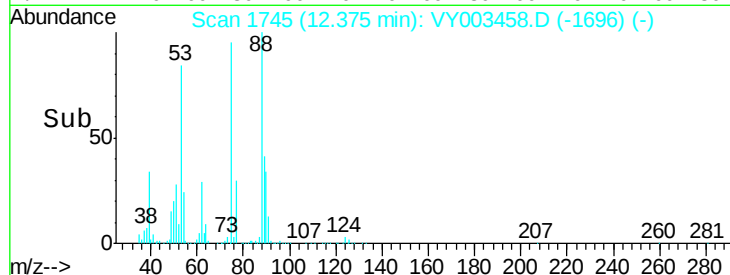
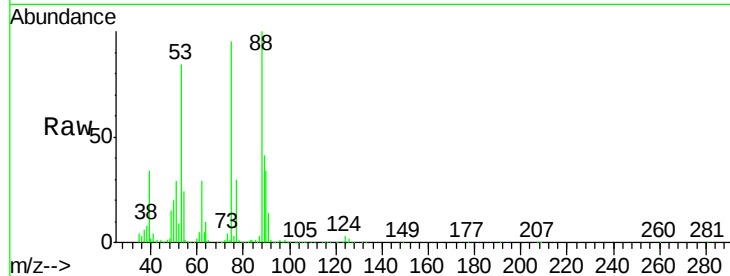
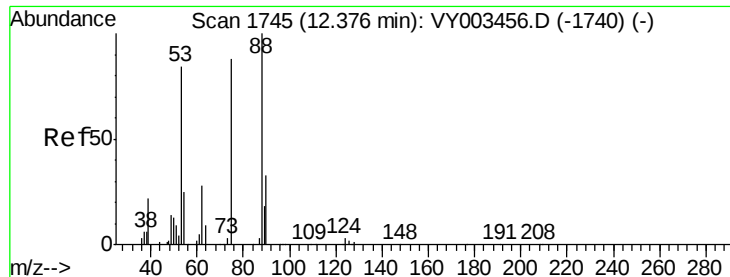
500000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 145.921 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tot Ion:	75	Resp:	270999
Ion	Ratio	Lower	Upper
75	100		
53	88.2	74.2	111.2
89	44.0	36.2	54.4

Instrument :

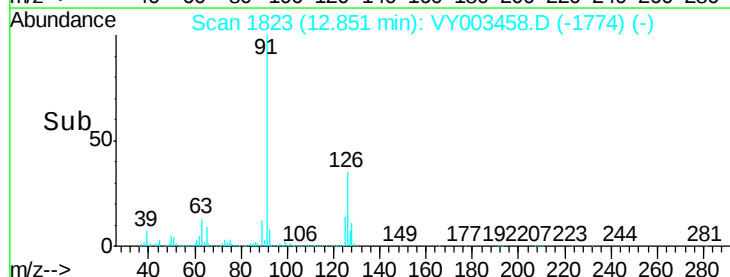
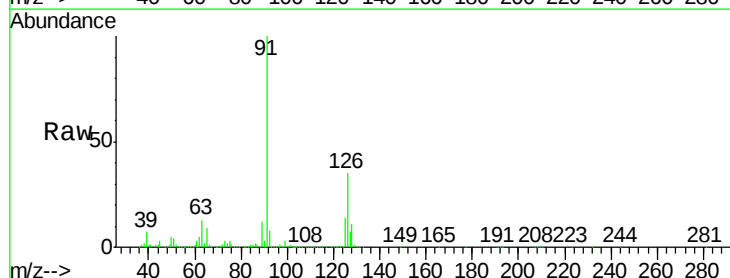
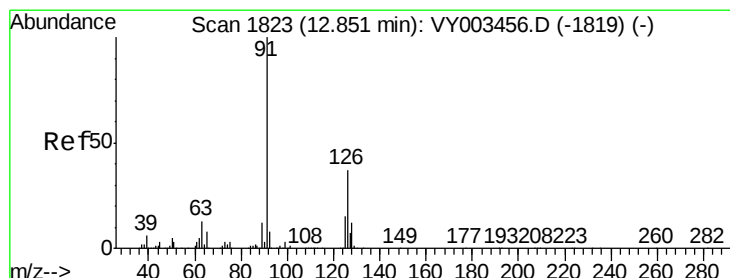
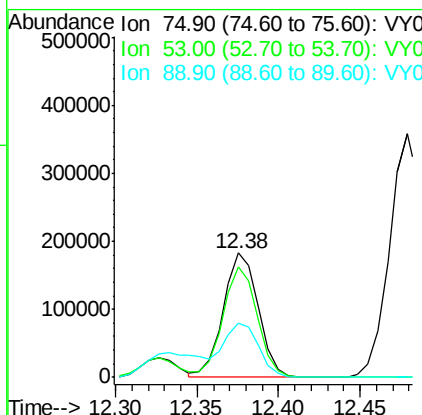
MSVOA_Y

ClientSampleId :

VSTDIC150

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#82

4-Chlorotoluene

Concen: 150.207 ug/l

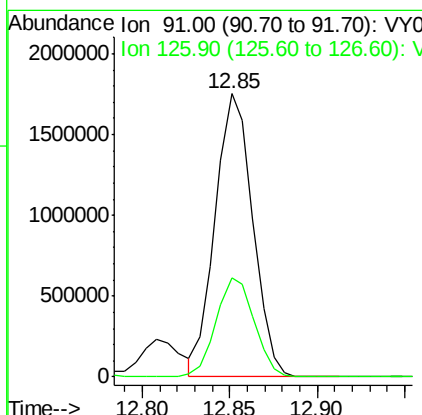
RT: 12.85 min Scan# 1823

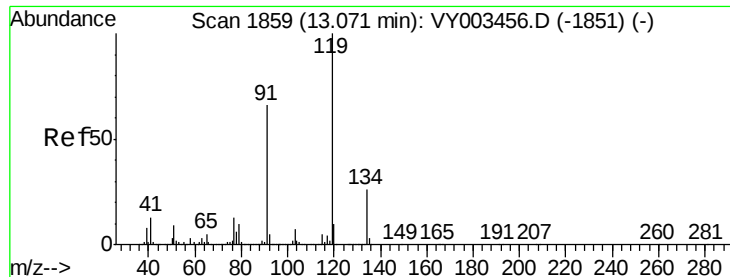
Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Tgt Ion:	91	Resp:	2616589
Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.1	54.4





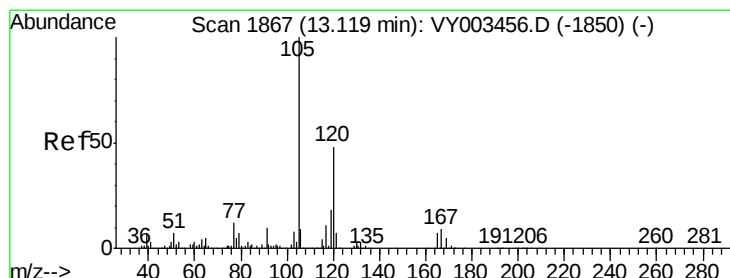
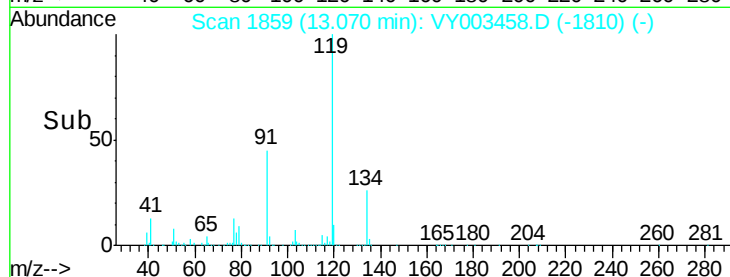
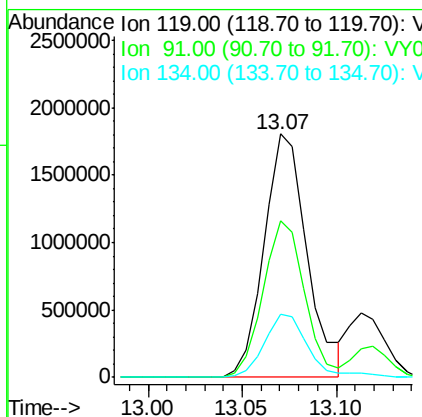
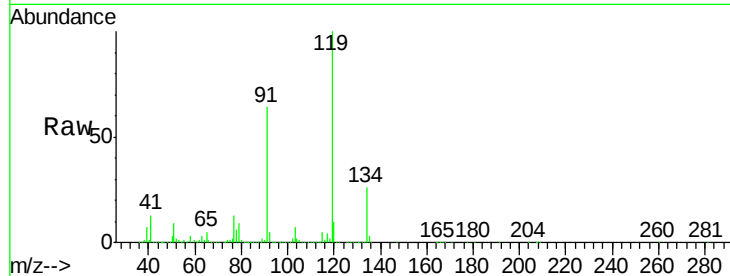
#83
tert-Butylbenzene
Concen: 155.107 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.5	97.4
134	26.3	13.6	40.8

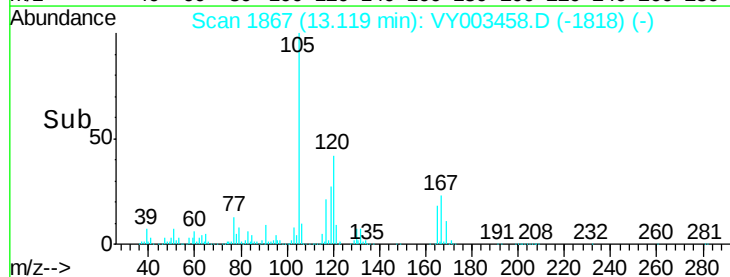
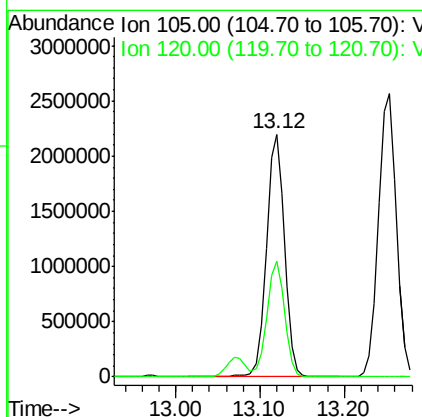
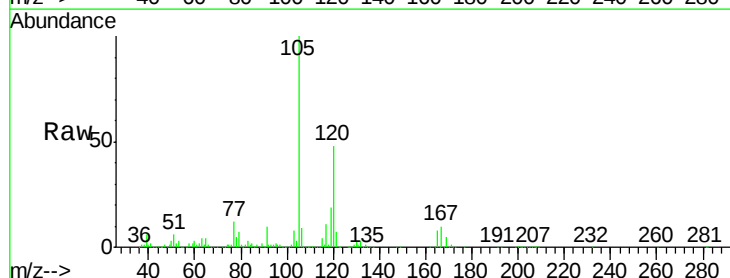
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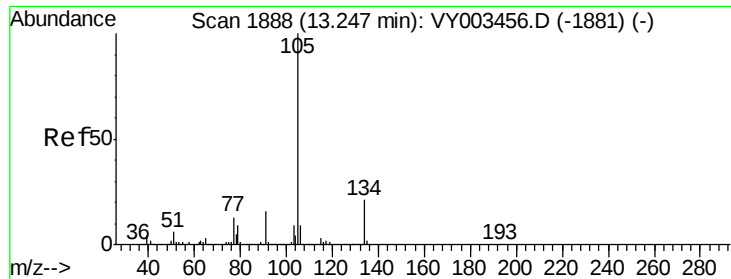
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#84
1,2,4-Trimethylbenzene
Concen: 151.872 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





#85

sec-Butylbenzene

Concen: 148.654 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 3806736

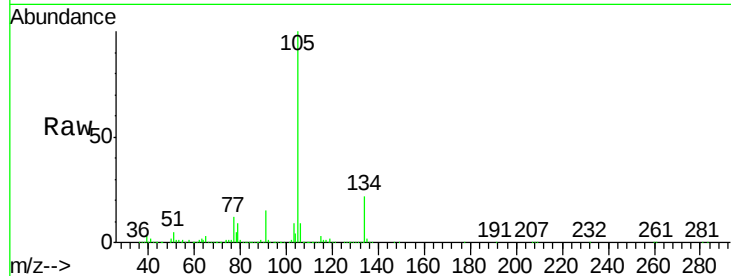
Ion Ratio Lower Upper

105 100

134 21.5 10.6 31.8

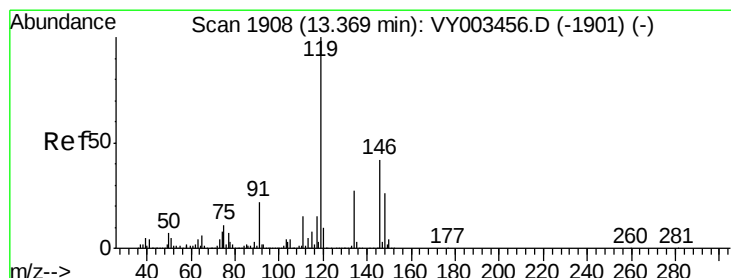
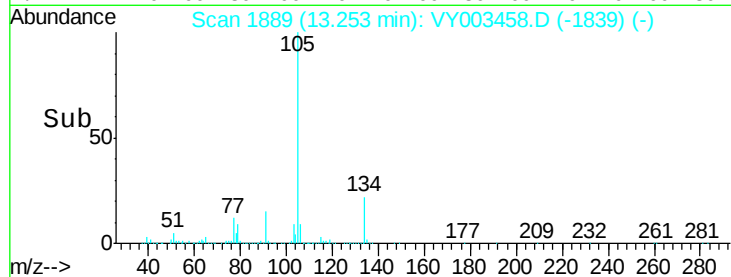
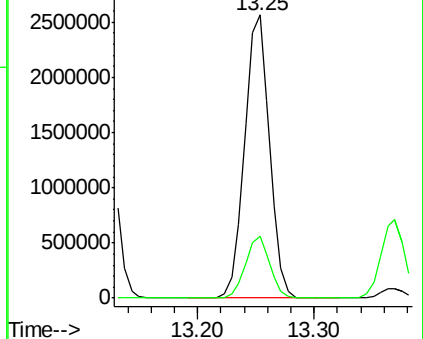
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 153.345 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

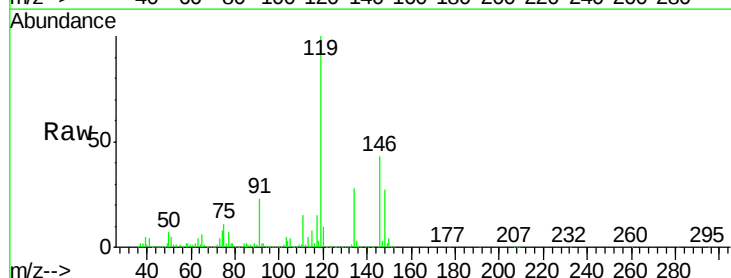
Tgt Ion:119 Resp: 3687261

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

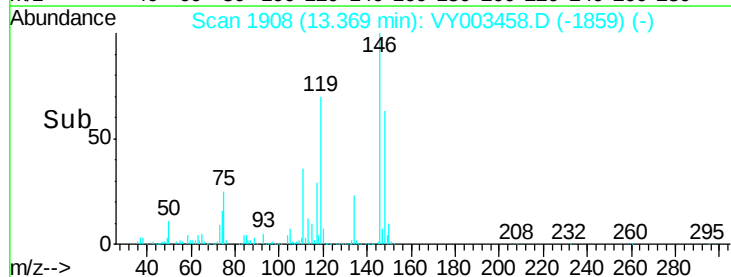
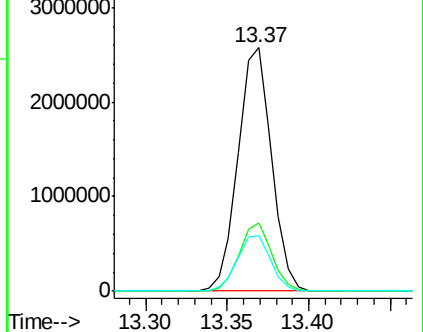
91 22.8 11.4 34.2

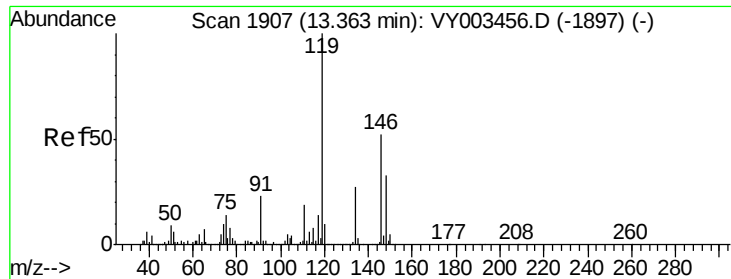


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





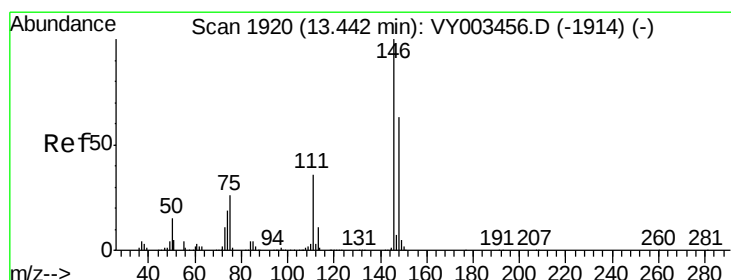
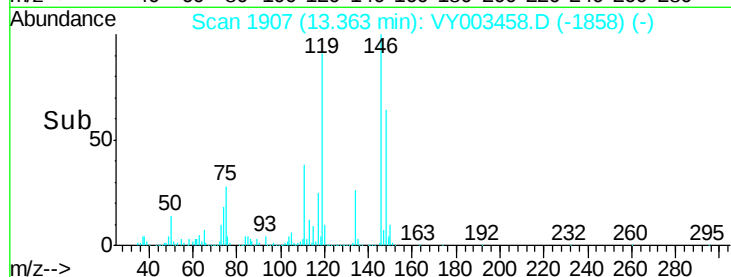
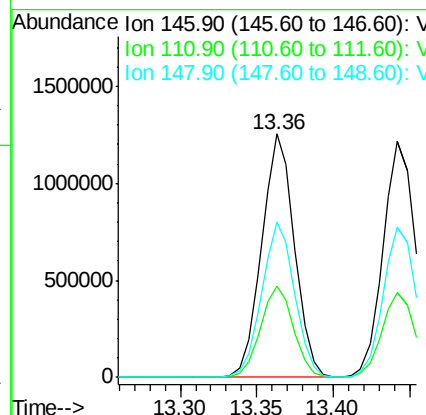
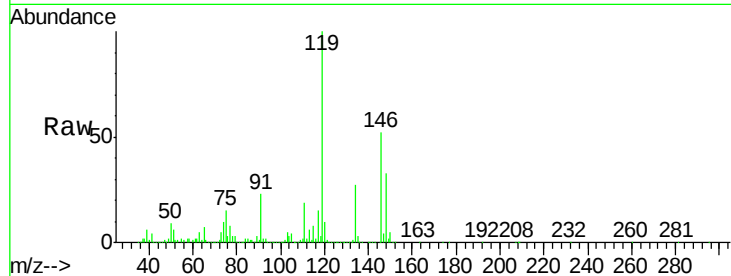
#87
 1,3-Dichlorobenzene
 Concen: 151.717 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1869142
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 63.9 31.9 95.5

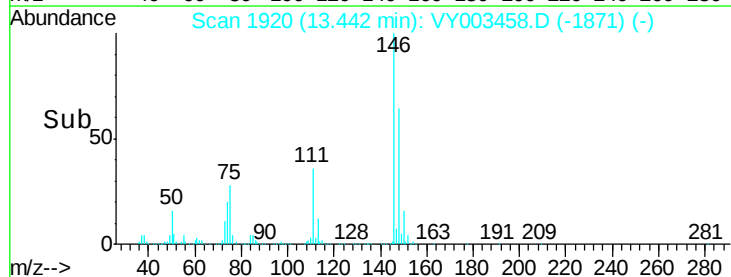
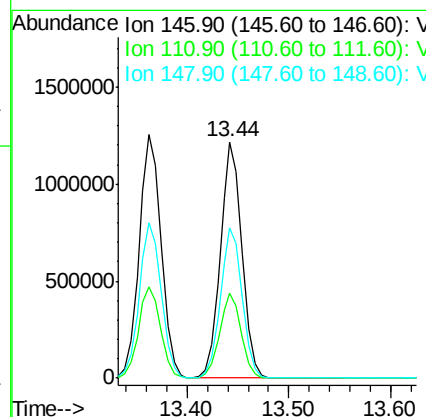
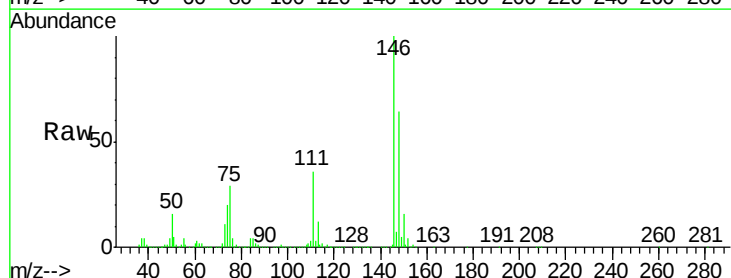
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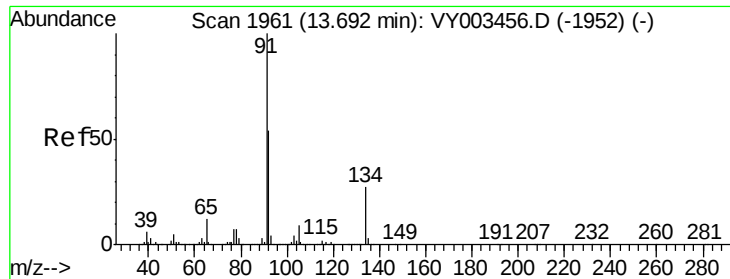
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#88
 1,4-Dichlorobenzene
 Concen: 148.265 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion:146 Resp: 1798356
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.0
 148 64.0 32.4 97.0





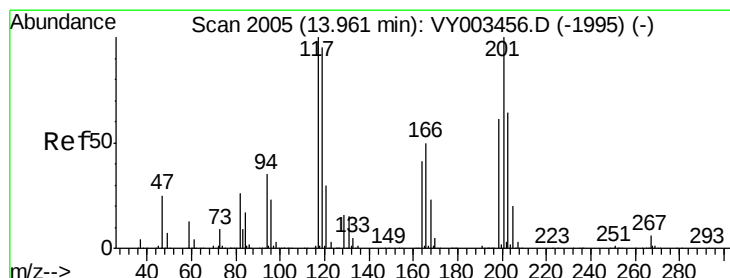
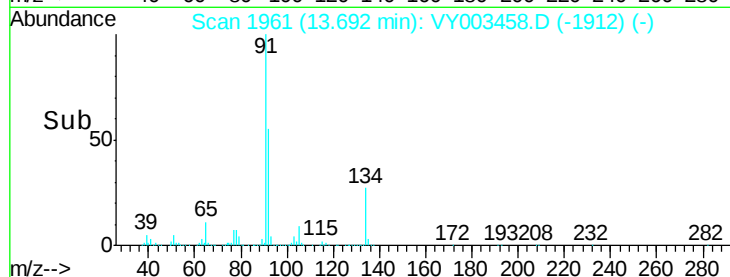
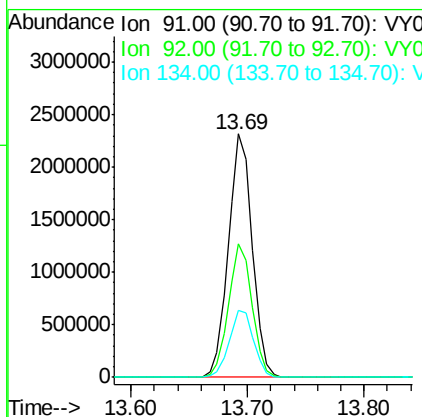
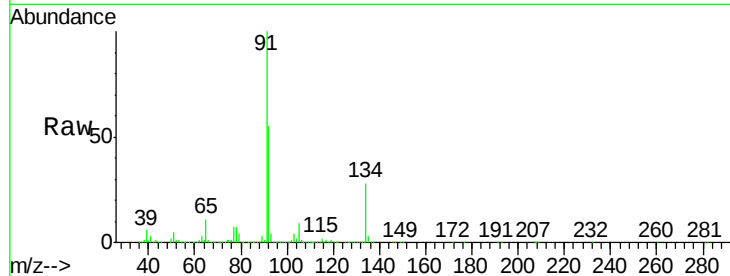
#89
n-Butylbenzene
Concen: 145.284 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.6	79.8
134	28.2	14.1	42.4

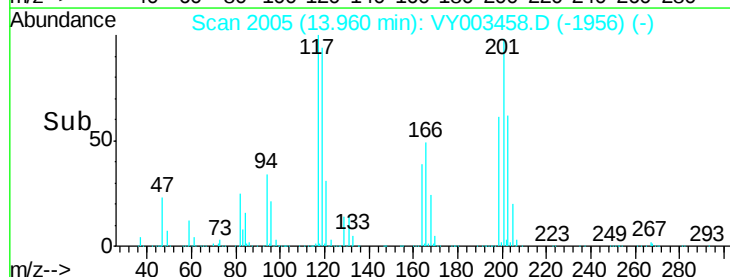
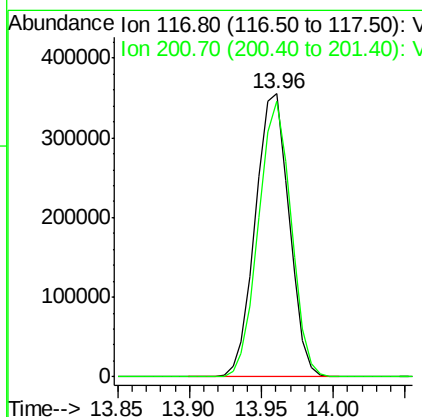
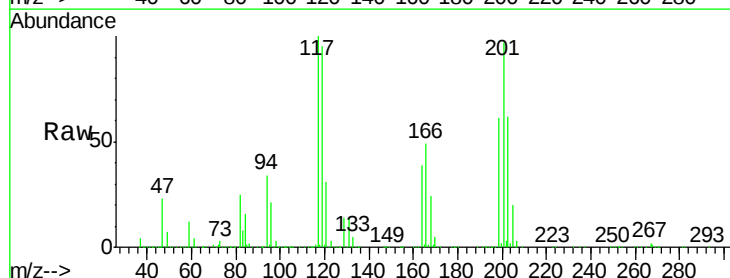
Manual Integrations
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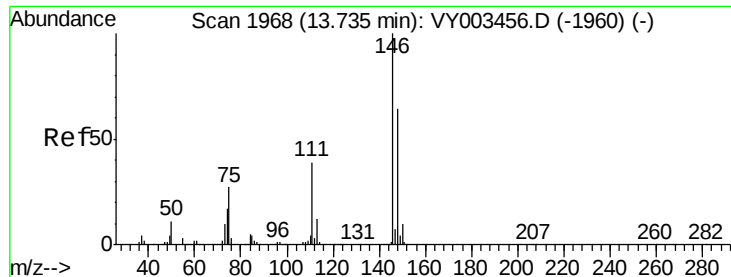
MMDadoda
10/6/2020 12:55:43 PM



#90
Hexachloroethane
Concen: 129.025 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	48.3	144.8





#91

1,2-Dichlorobenzene

Concen: 148.421 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion:146 Resp: 1616488

Ion Ratio Lower Upper

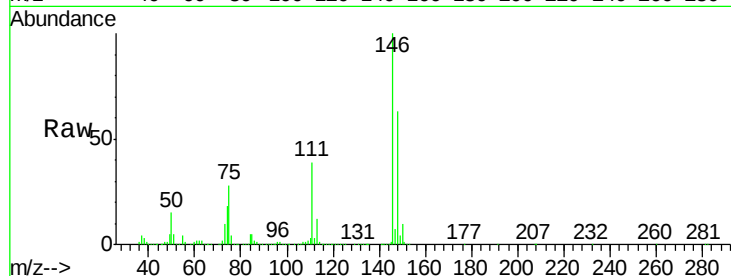
146 100

111 38.8 19.1 57.5

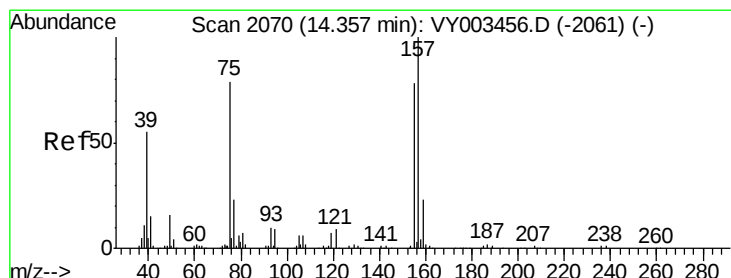
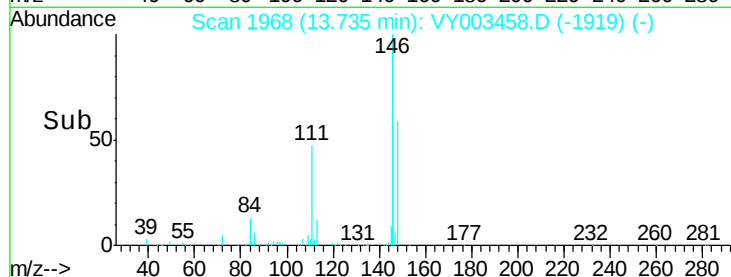
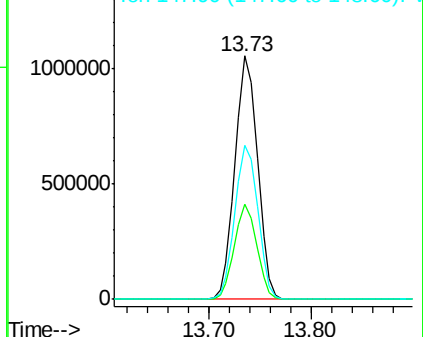
148 64.4 32.1 96.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 147.485 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003458.D

Acq: 05 Oct 2020 16:57

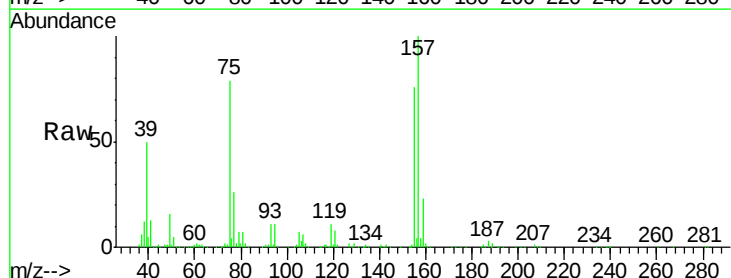
Tgt Ion: 75 Resp: 121179

Ion Ratio Lower Upper

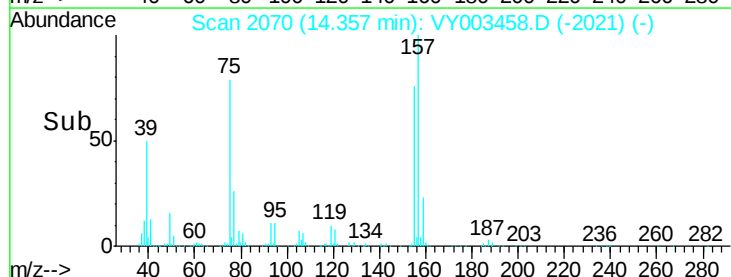
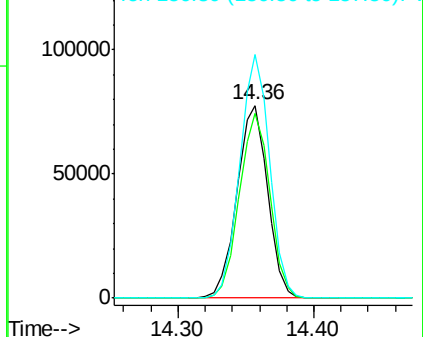
75 100

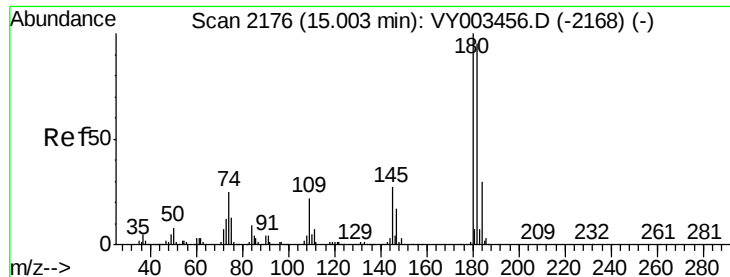
155 96.3 47.8 143.3

157 124.0 60.8 182.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





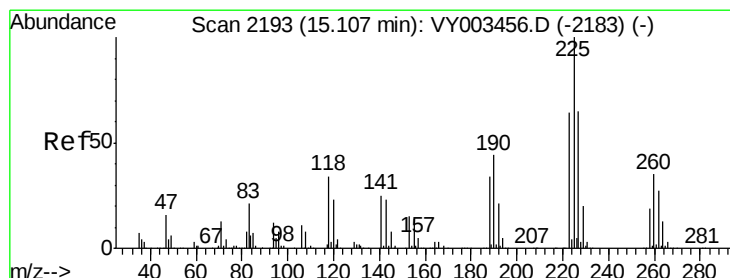
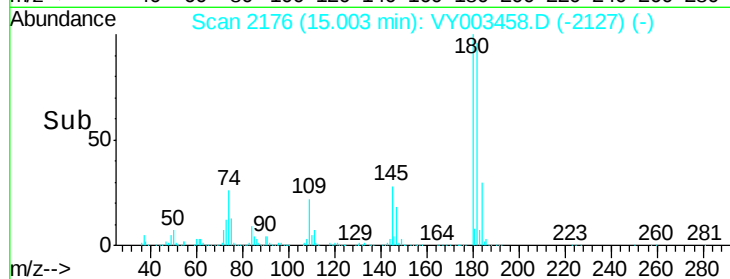
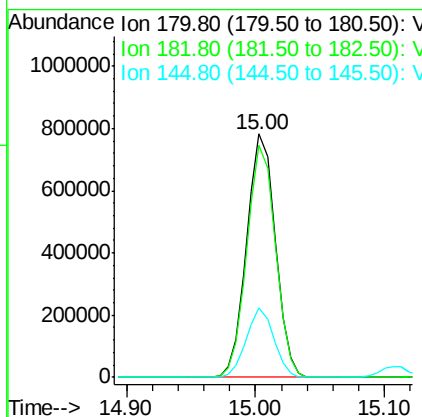
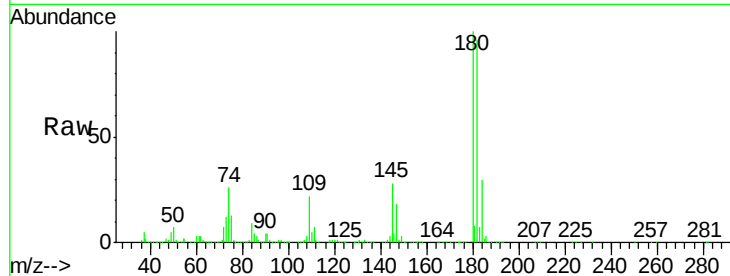
#93
 1,2,4-Trichlorobenzene
 Concen: 154.650 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	27.6	13.5	40.5

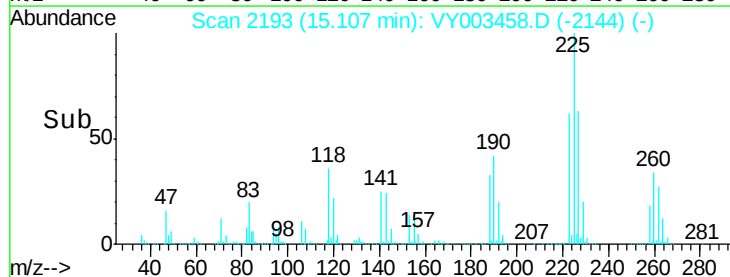
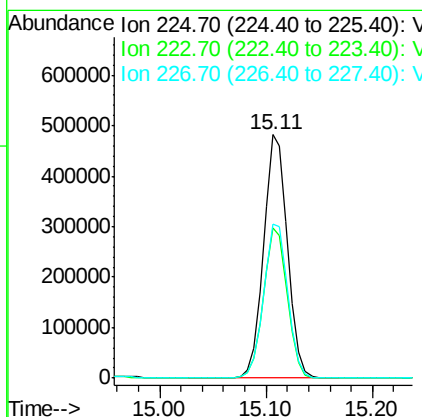
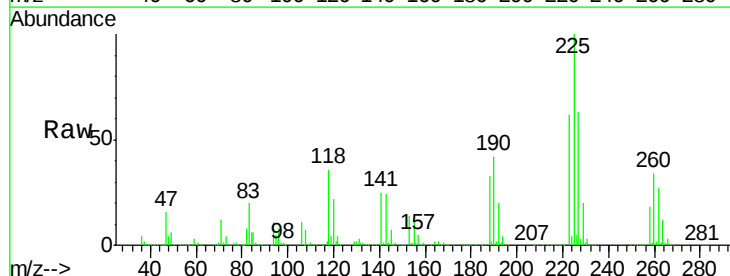
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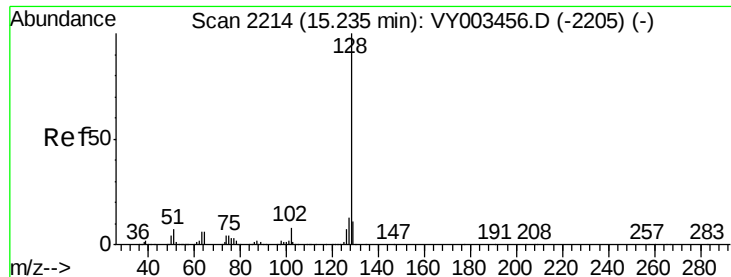
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#94
 Hexachlorobutadiene
 Concen: 146.971 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY003458.D
 Acq: 05 Oct 2020 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.4	94.0
227	64.2	32.5	97.4





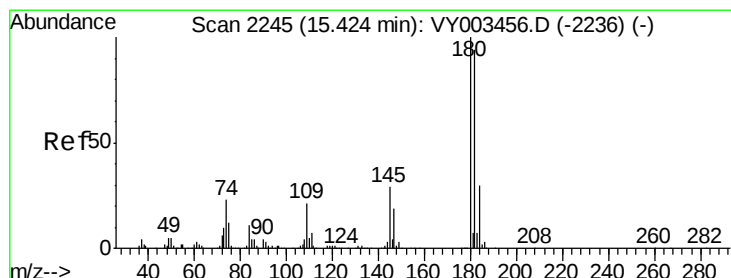
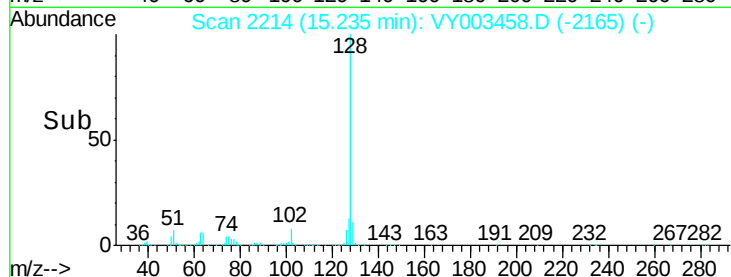
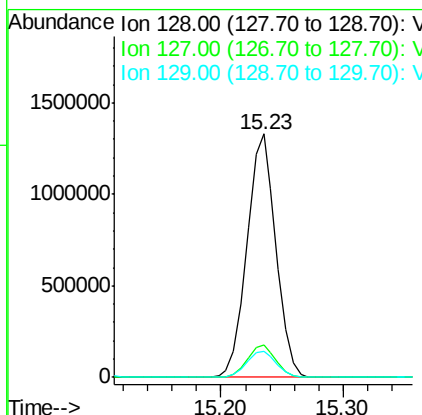
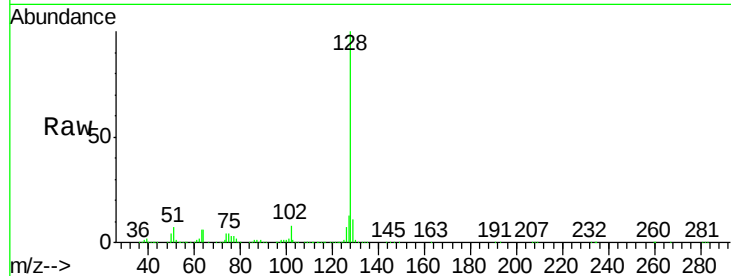
#95
Naphthalene
Concen: 163.754 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2175283
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 162.584 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003458.D
Acq: 05 Oct 2020 16:57

Tgt Ion:180 Resp: 1032688
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.6
145 29.2 14.4 43.4

