

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002759.D
 Acq On : 27 May 2020 12:37
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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 5/28/2020 2:08:39 PM

Quant Time: May 27 12:59:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	304910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	449869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	220432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	255852	106.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.24%	
35) Dibromofluoromethane	7.72	113	261249	104.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.80%	
50) Toluene-d8	10.18	98	1057532	105.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.28%	
62) 4-Bromofluorobenzene	12.48	95	360167	103.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	215387	99.650	ug/l	97
3) Chloromethane	2.12	50	234884	95.626	ug/l	99
4) Vinyl Chloride	2.26	62	259503	101.129	ug/l	99
5) Bromomethane	2.64	94	175454	92.190	ug/l	98
6) Chloroethane	2.79	64	157494	95.886	ug/l	98
7) Trichlorofluoromethane	3.13	101	432155	98.941	ug/l	99
8) Diethyl Ether	3.53	74	159006	105.974	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	260598	98.253	ug/l	97
10) Methyl Iodide	4.10	142	390509	107.671	ug/l	100
11) Tert butyl alcohol	4.97	59	130157	523.447	ug/l	100
12) 1,1-Dichloroethene	3.88	96	259468	97.822	ug/l	99
13) Acrolein	3.74	56	137105	481.012	ug/l	100
14) Allyl chloride	4.49	41	381417	99.899	ug/l	99
15) Acrylonitrile	5.18	53	371726	543.332	ug/l	100
16) Acetone	3.96	43	300664	588.366	ug/l	98
17) Carbon Disulfide	4.20	76	782828	94.873	ug/l	98
18) Methyl Acetate	4.49	43	148127	104.608	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	714429	107.166	ug/l	100
20) Methylene Chloride	4.72	84	287097	96.931	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	295319	100.101	ug/l	97
22) Diisopropyl ether	6.13	45	779474	102.586	ug/l	96
23) Vinyl Acetate	6.07	43	2604703	531.305	ug/l	100
24) 1,1-Dichloroethane	6.03	63	456692	100.774	ug/l	99
25) 2-Butanone	6.99	43	460751	552.529	ug/l	99
26) 2,2-Dichloropropane	6.99	77	423491	99.900	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	329803	103.049	ug/l	99
28) Bromochloromethane	7.34	49	180831	99.790	ug/l	99
29) Tetrahydrofuran	7.35	42	299732	533.824	ug/l	99
30) Chloroform	7.52	83	491494	104.236	ug/l	97
31) Cyclohexane	7.79	56	432184	94.461	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	453151	103.836	ug/l	99
36) 1,1-Dichloropropene	7.93	75	384514	101.436	ug/l	99
37) Ethyl Acetate	7.08	43	199858	106.079	ug/l	99
38) Carbon Tetrachloride	7.91	117	431857	105.833	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	516589	101.933	ug/l	98
40) Benzene	8.16	78	1144948	103.515	ug/l	100
41) Methacrylonitrile	7.33	41	104680m	95.194	ug/l	
42) 1,2-Dichloroethane	8.24	62	315627	107.423	ug/l	99
43) Isopropyl Acetate	8.28	43	390849	111.085	ug/l	100
44) Trichloroethene	8.94	130	355779	101.070	ug/l	100
45) 1,2-Dichloropropane	9.22	63	273325	103.637	ug/l	100
46) Dibromomethane	9.31	93	160378	107.794	ug/l	99
47) Bromodichloromethane	9.50	83	389772	107.748	ug/l	98
48) Methyl methacrylate	9.30	41	179080	110.976	ug/l	98
49) 1,4-Dioxane	9.30	88	47775	2301.064	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	1014592	556.516	ug/l	99
52) Toluene	10.24	92	746972	104.037	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	426035	109.838	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	478227	106.846	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	240086	107.503	ug/l	96
56) Ethyl methacrylate	10.51	69	335924	113.372	ug/l	100
57) 1,3-Dichloropropane	10.79	76	403182	108.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	759579	522.026	ug/l	99
59) 2-Hexanone	10.83	43	728527	570.446	ug/l	100
60) Dibromochloromethane	10.99	129	316249	111.405	ug/l	100
61) 1,2-Dibromoethane	11.09	107	239281	108.948	ug/l	100
64) Tetrachloroethene	10.72	164	385177	98.736	ug/l	99
65) Chlorobenzene	11.52	112	842462	104.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	323335	108.062	ug/l	100
67) Ethyl Benzene	11.59	91	1479744	105.188	ug/l	99
68) m/p-Xylenes	11.70	106	1146147	209.370	ug/l	100
69) o-Xylene	12.03	106	536360	104.226	ug/l	98
70) Styrene	12.04	104	943086	106.588	ug/l	99
71) Bromoform	12.20	173	211832	113.519	ug/l #	99
73) Isopropylbenzene	12.33	105	1476485	103.198	ug/l	100
74) N-amyl acetate	12.14	43	375315	110.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	248743	114.516	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	195913m	107.423	ug/l	
77) Bromobenzene	12.61	156	378324	105.146	ug/l	98
78) n-propylbenzene	12.67	91	1698302	102.047	ug/l	100
79) 2-Chlorotoluene	12.75	91	946265	102.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1234243	102.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	106802	109.804	ug/l	99
82) 4-Chlorotoluene	12.85	91	990726	102.029	ug/l	100
83) tert-Butylbenzene	13.08	119	1100229	103.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1232640	102.416	ug/l	99
85) sec-Butylbenzene	13.25	105	1491386	101.550	ug/l	100
86) p-Isopropyltoluene	13.37	119	1402010	102.121	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	708281	102.075	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	708114	102.511	ug/l	99
89) n-Butylbenzene	13.69	91	1253490	99.406	ug/l	100
90) Hexachloroethane	13.96	117	264789	103.857	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	642486	102.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	48167	115.467	ug/l	97

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VSTDICC100

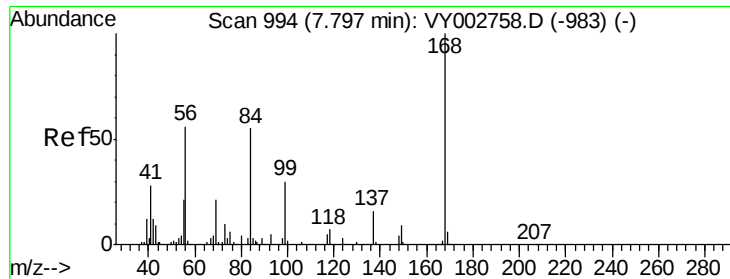
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	481977	99.774	ug/l	99
94) Hexachlorobutadiene	15.11	225	274939	94.696	ug/l	99
95) Naphthalene	15.23	128	967441	110.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	431044	102.214	ug/l	99

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



#1

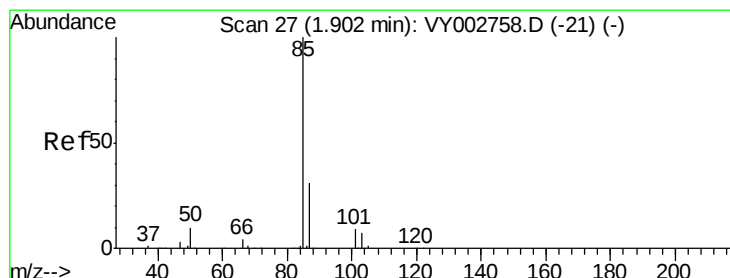
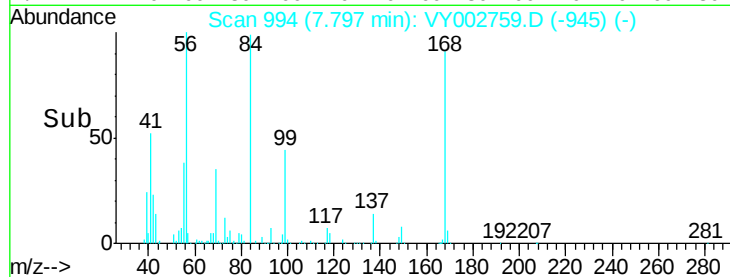
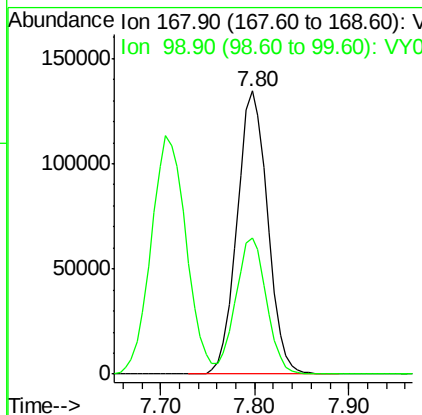
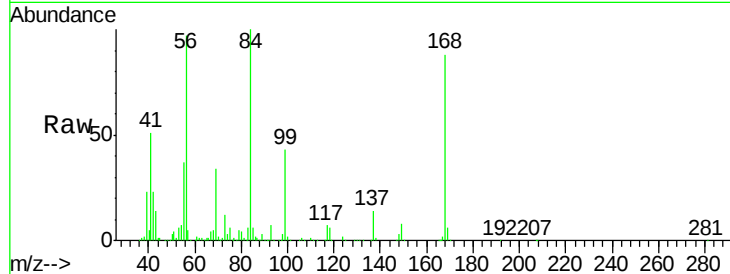
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.3	39.0	58.4

Manual Integrations
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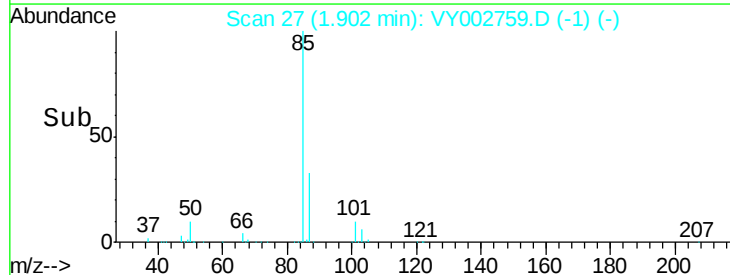
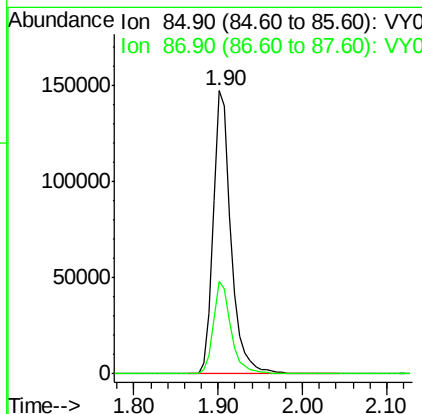
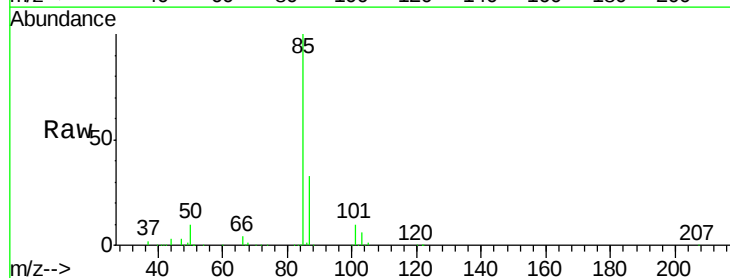
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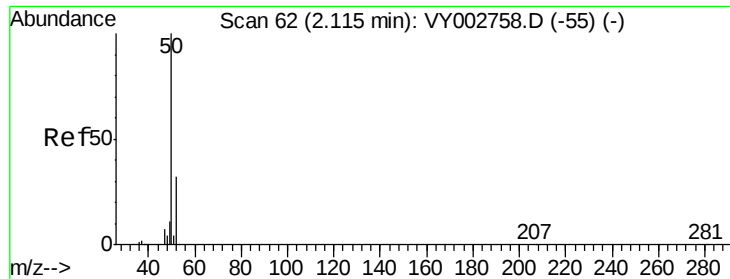


#2

Dichlorodifluoromethane
 Concen: 99.650 ug/l
 RT: 1.90 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.5	46.5





#3

Chloromethane

Concen: 95.626 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 234884

Ion Ratio Lower Upper

50 100

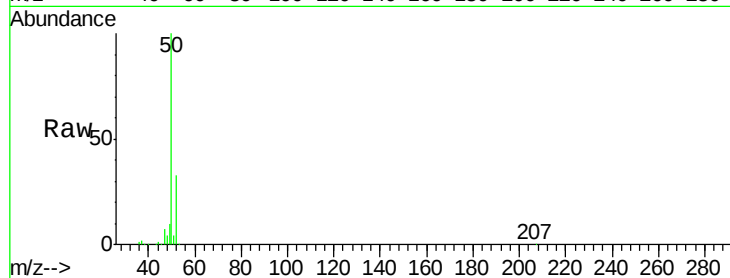
52 32.7 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

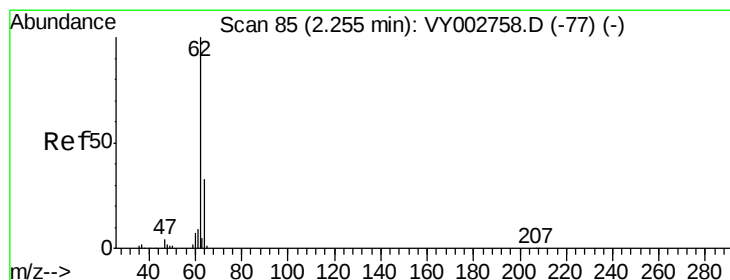
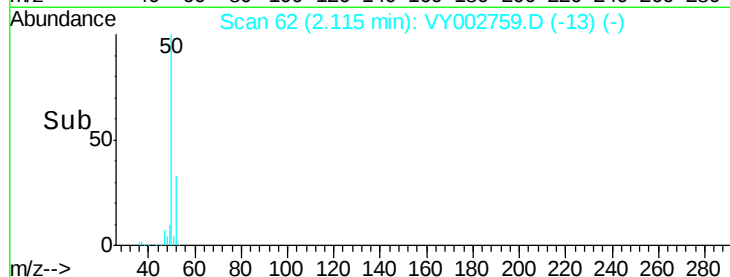
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 101.129 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002759.D

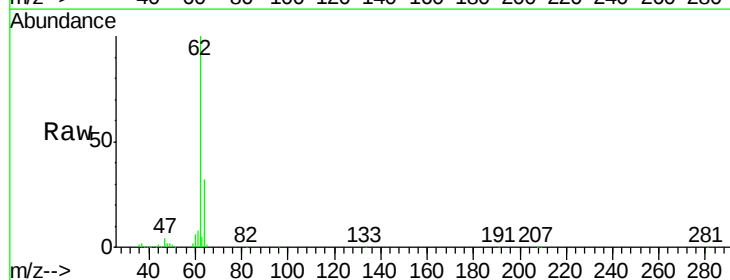
Acq: 27 May 2020 12:37

Tgt Ion: 62 Resp: 259503

Ion Ratio Lower Upper

62 100

64 31.8 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

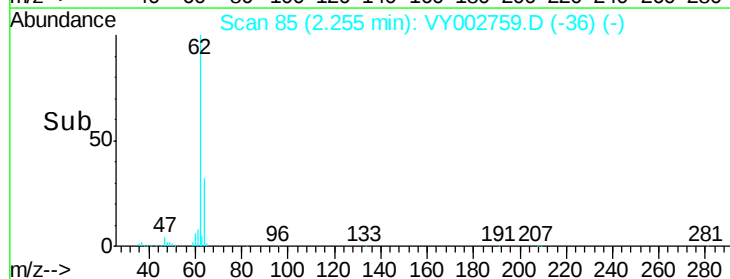
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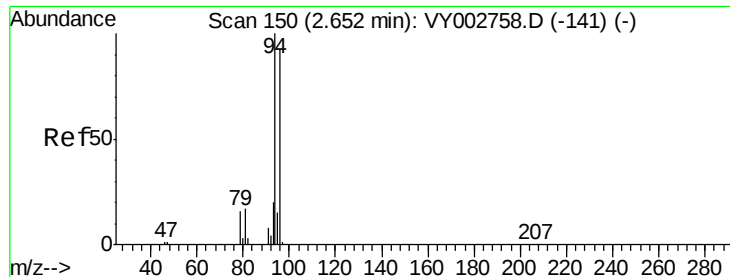
100000

50000

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Time-->





#5

Bromomethane

Concen: 92.190 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 175454

Ion Ratio Lower Upper

94 100

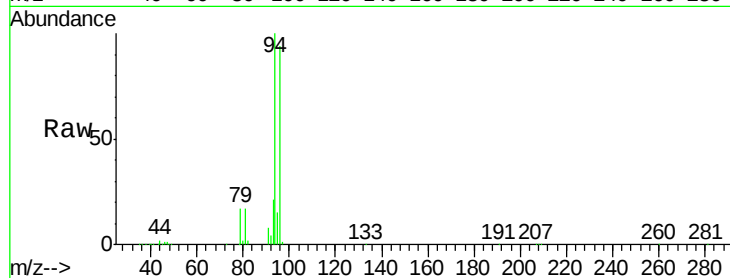
96 94.2 73.7 110.5

Manual Integrations

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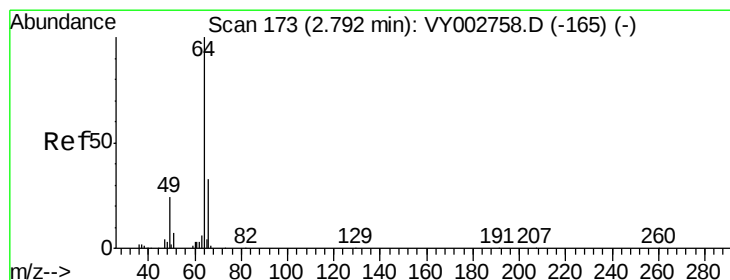
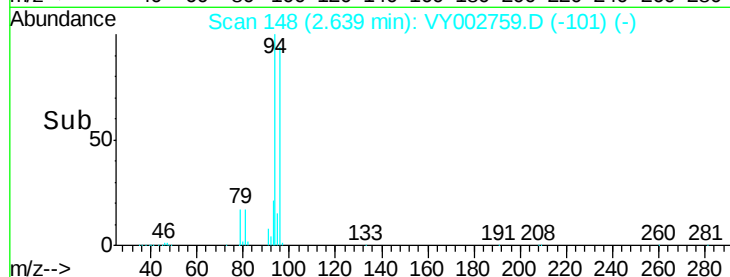
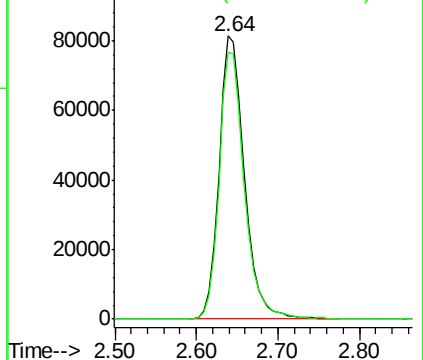
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 95.886 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY002759.D

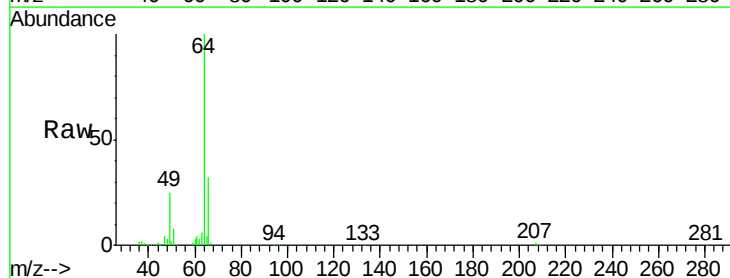
Acq: 27 May 2020 12:37

Tgt Ion: 64 Resp: 157494

Ion Ratio Lower Upper

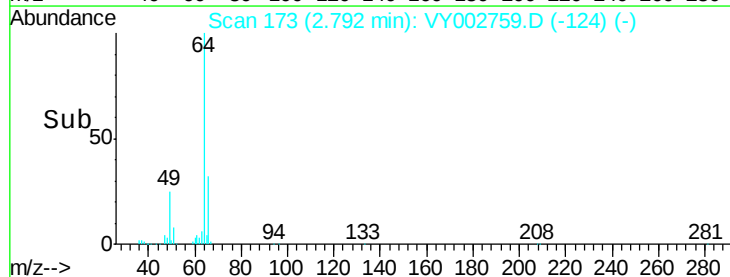
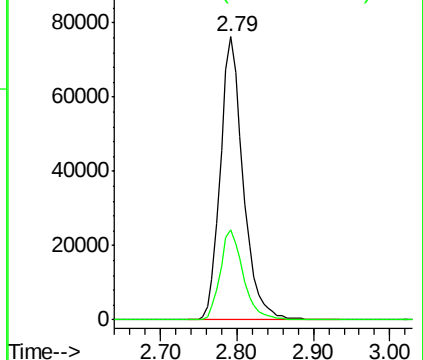
64 100

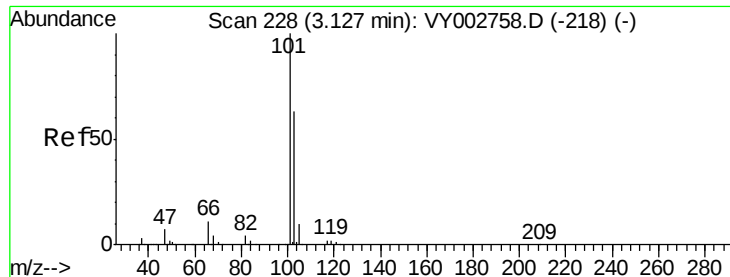
66 32.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

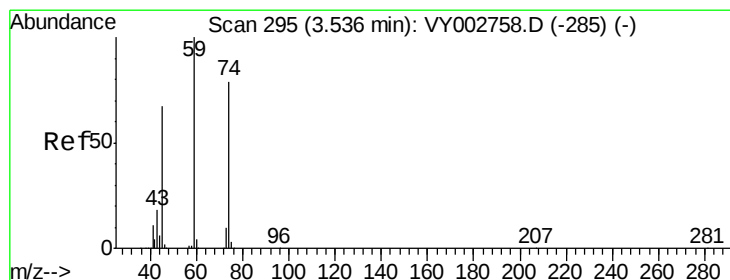
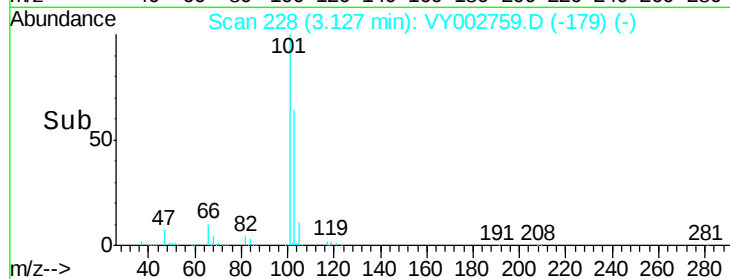
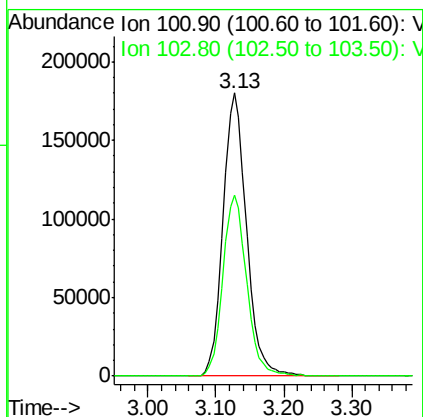
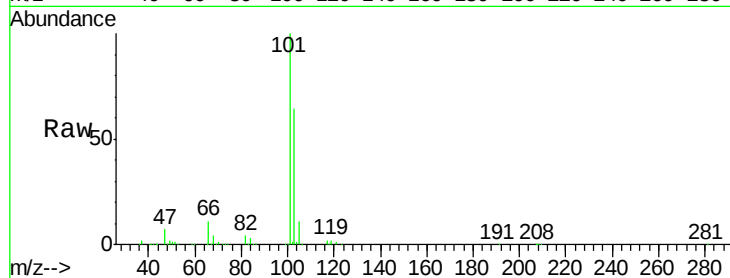
Trichlorofluoromethane
 Concen: 98.941 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	432155		
103	64.1	50.6	76.0	

Manual Integrations
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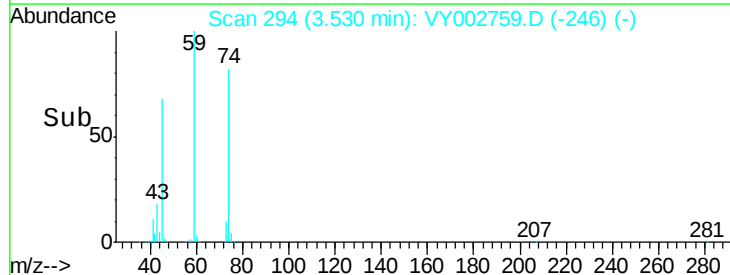
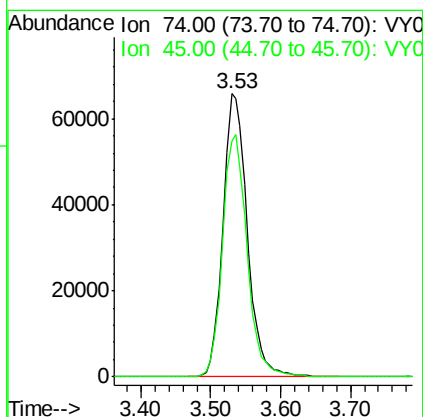
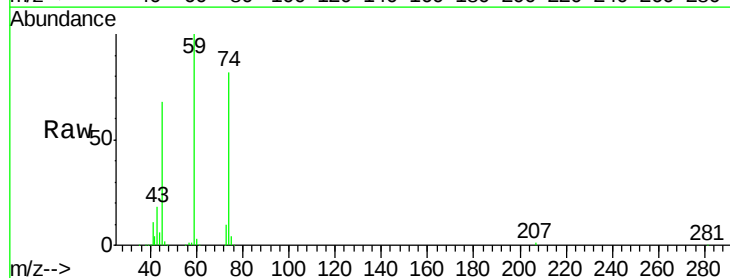
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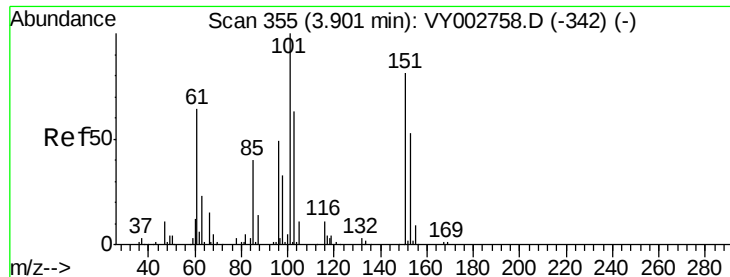


#8

Diethyl Ether
 Concen: 105.974 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	159006		
45	86.8	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.253 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

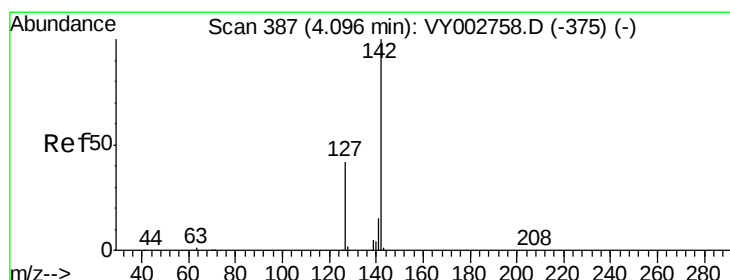
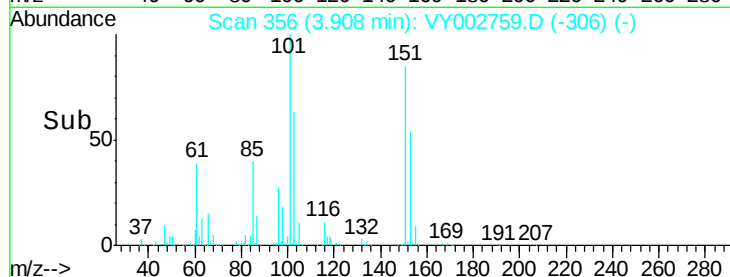
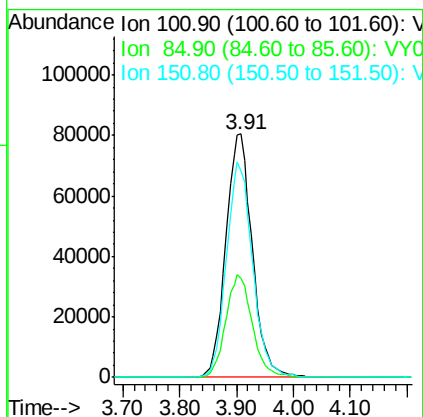
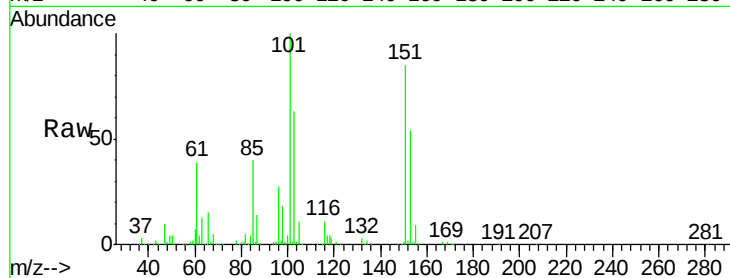
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	260598
Ion Ratio	Lower	Upper	
101	100		
85	42.1	32.7	49.1
151	87.6	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 107.671 ug/l

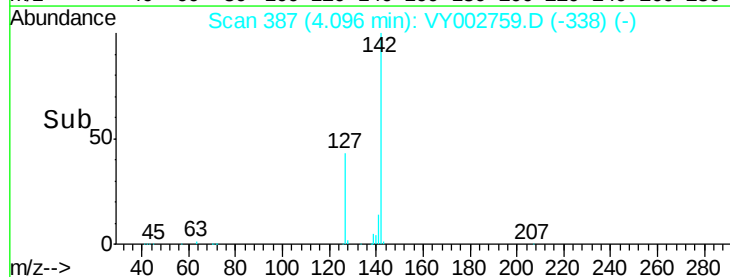
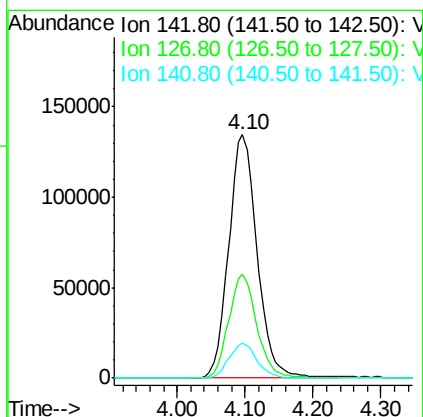
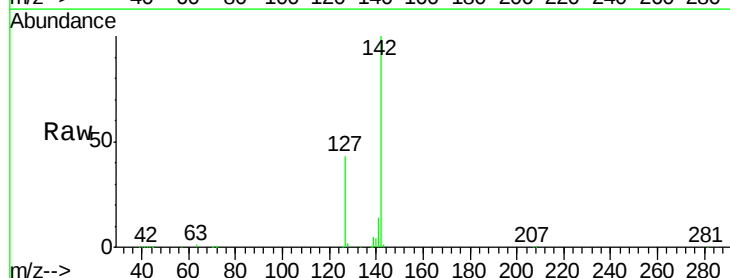
RT: 4.10 min Scan# 387

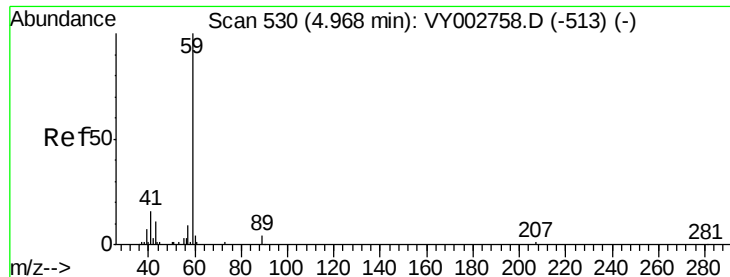
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	142	Resp:	390509
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.3	49.9
141	14.2	11.5	17.3





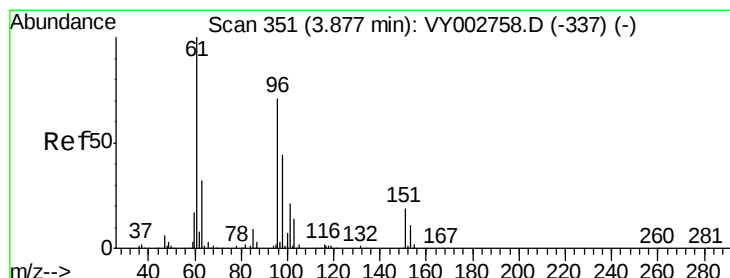
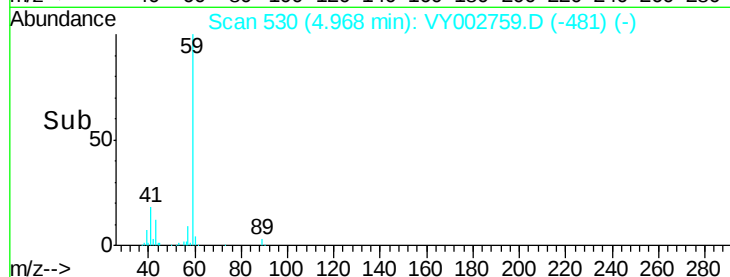
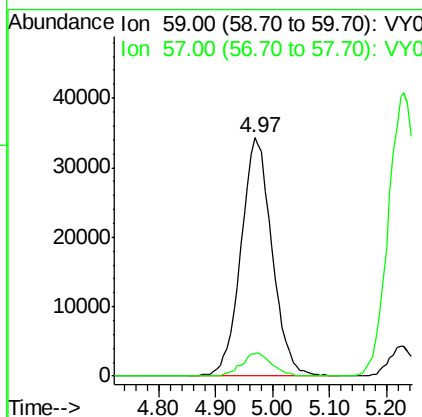
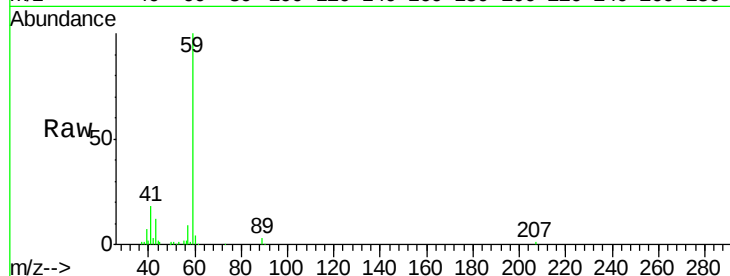
#11
Tert butyl alcohol
Concen: 523.447 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

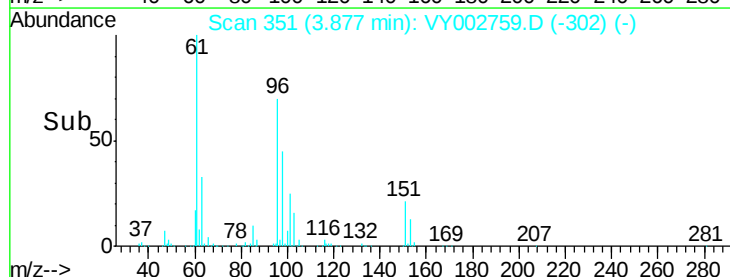
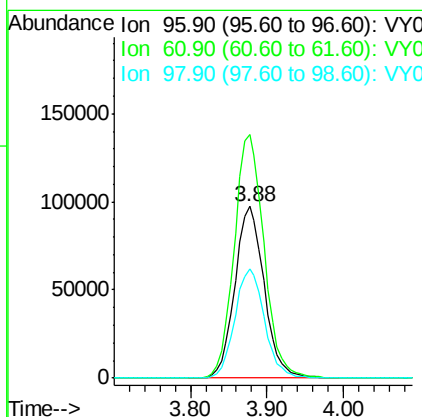
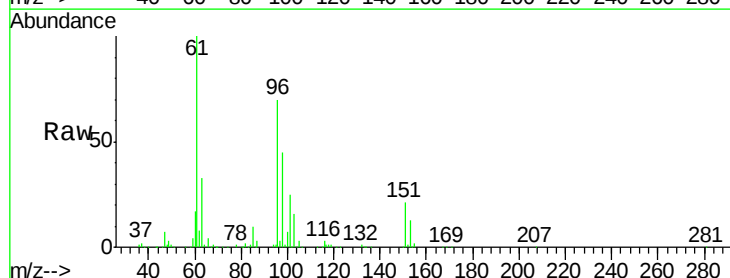
Manual Integrations
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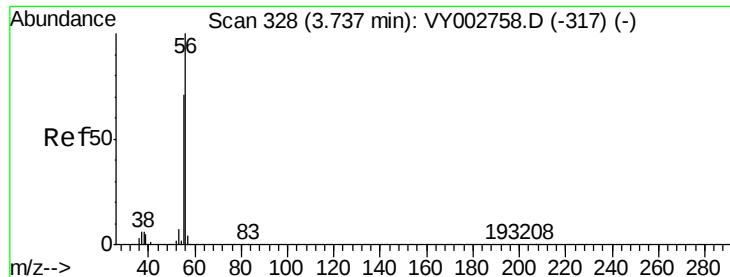
MMDadoda
5/28/2020 2:08:39 PM



#12
1,1-Dichloroethene
Concen: 97.822 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	112.6	168.8
98	63.7	50.0	75.0





#13

Acrolein

Concen: 481.012 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 137105

Ion Ratio Lower Upper

56 100

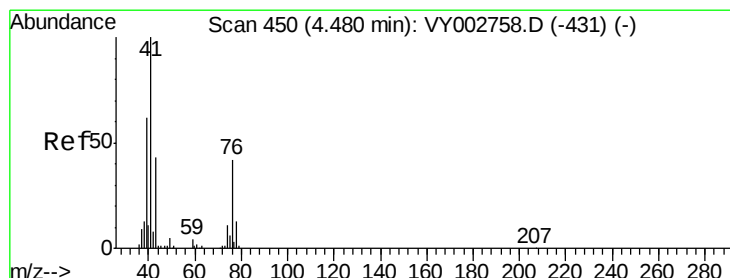
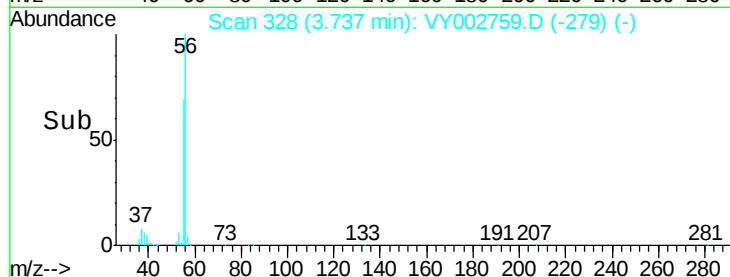
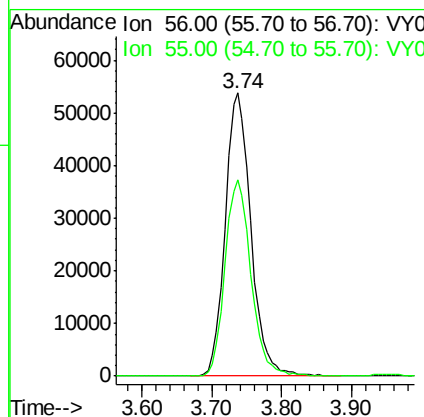
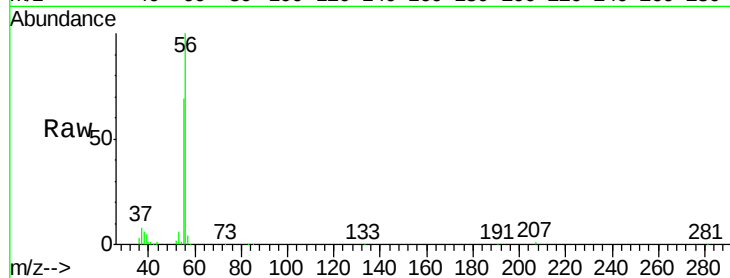
55 70.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 99.899 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

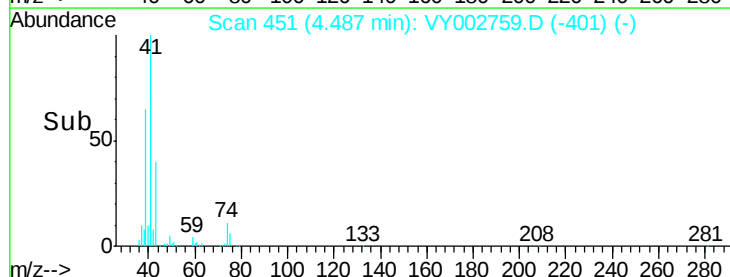
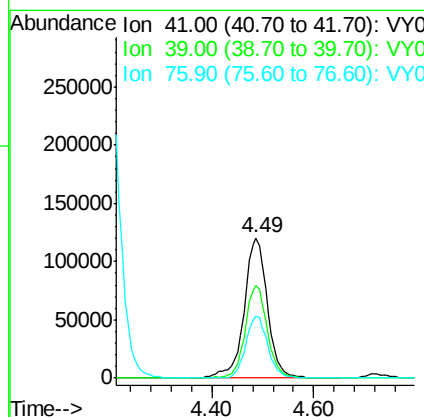
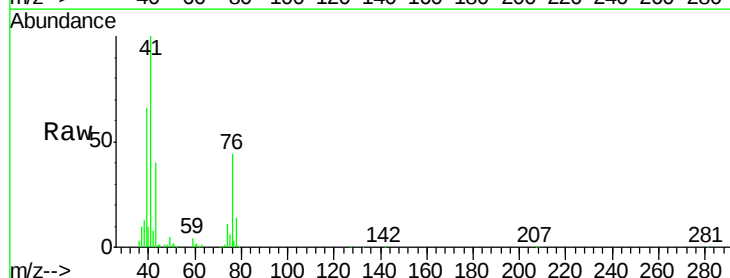
Tgt Ion: 41 Resp: 381417

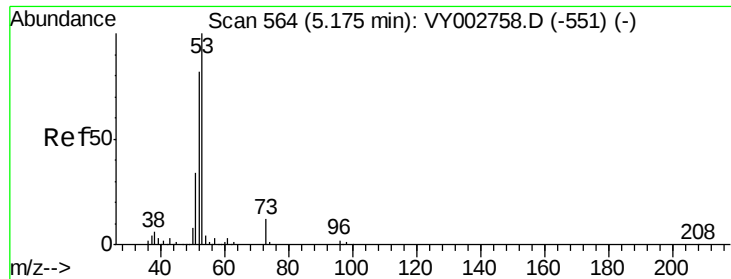
Ion Ratio Lower Upper

41 100

39 63.1 49.9 74.9

76 41.7 33.2 49.8





#15

Acrylonitrile

Concen: 543.332 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

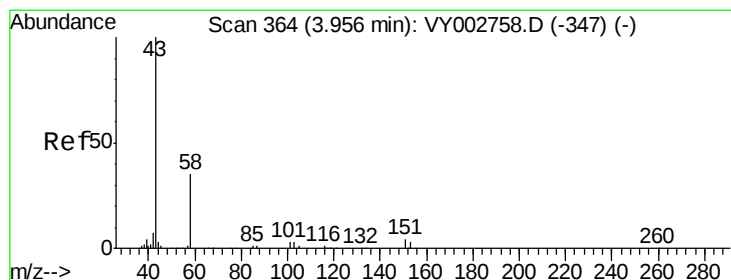
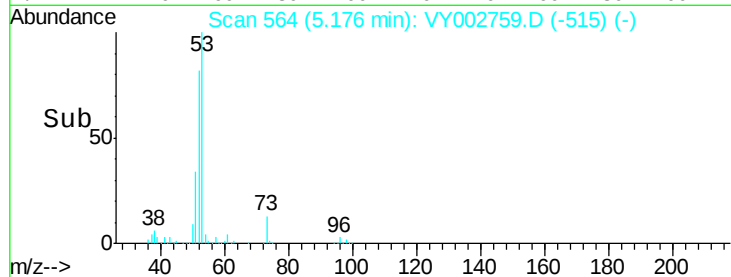
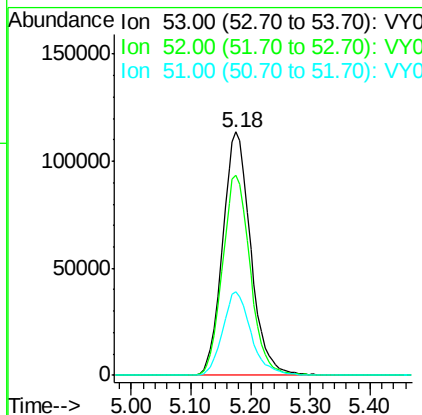
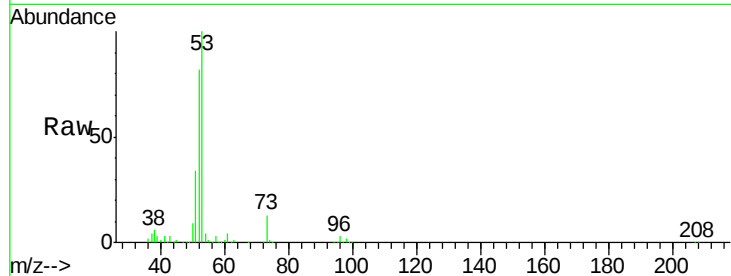
ClientSampleId :

VSTDICC100

Tot Ion	53	Resp	371726
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.3	97.9
51	34.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 588.366 ug/l

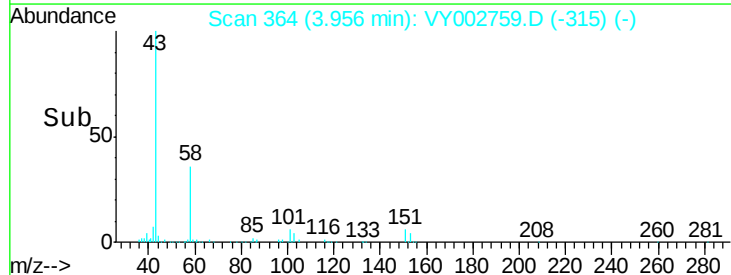
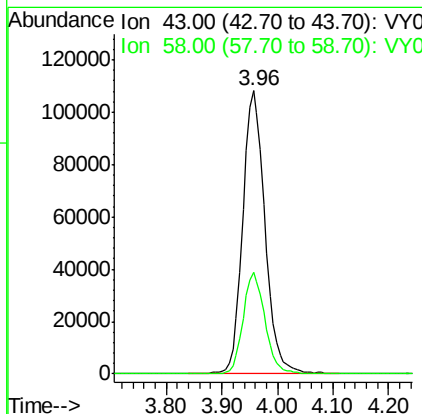
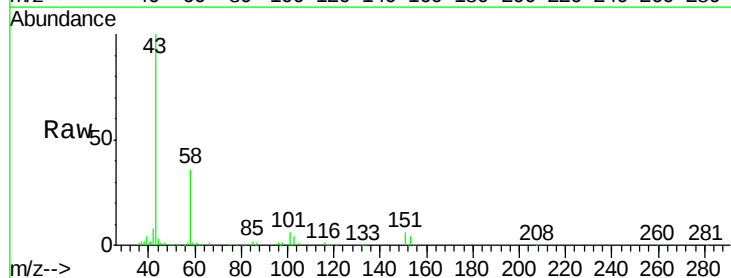
RT: 3.96 min Scan# 364

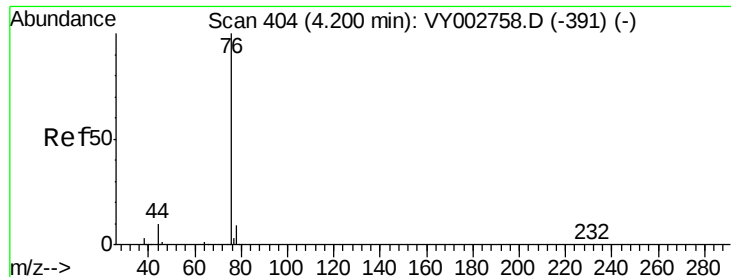
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion	43	Resp	300664
Ion	Ratio	Lower	Upper
43	100		
58	36.0	27.7	41.5





#17

Carbon Disulfide

Concen: 94.873 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 782828

Ion Ratio Lower Upper

76 100

78 9.3

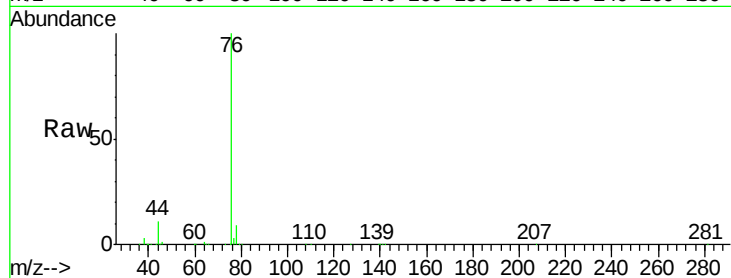
6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

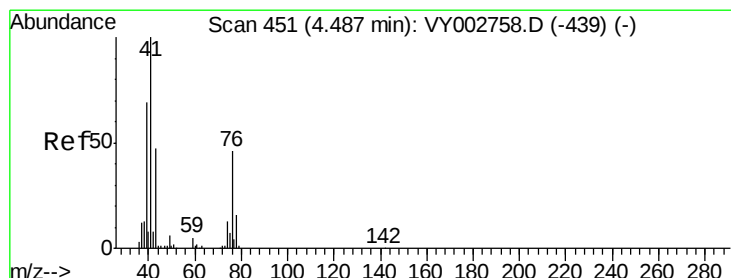
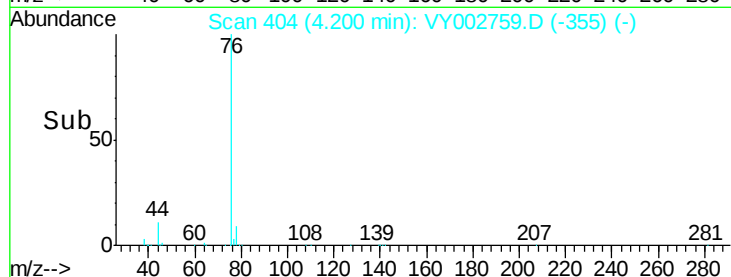
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 104.608 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

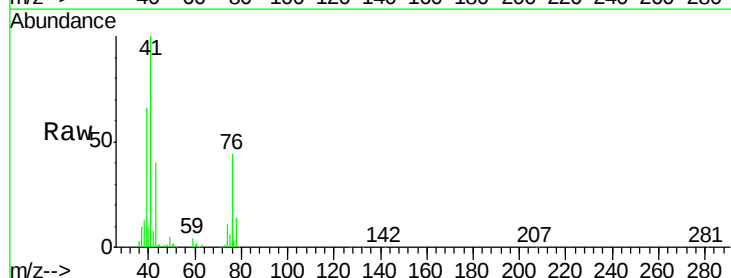
Tgt Ion: 43 Resp: 148127

Ion Ratio Lower Upper

43 100

74 26.9

21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

50000

40000

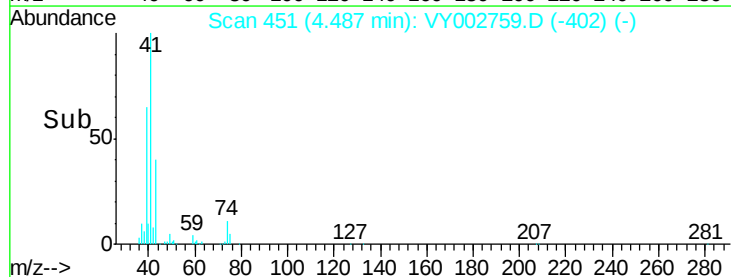
30000

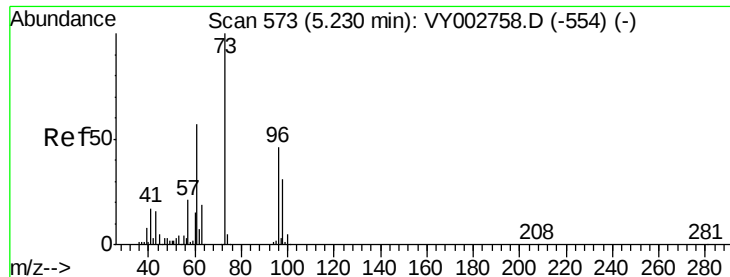
20000

10000

0

Time-->





#19

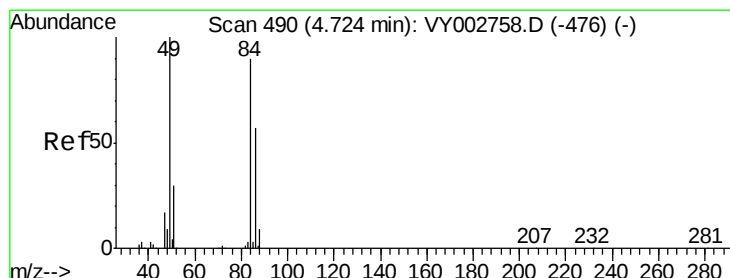
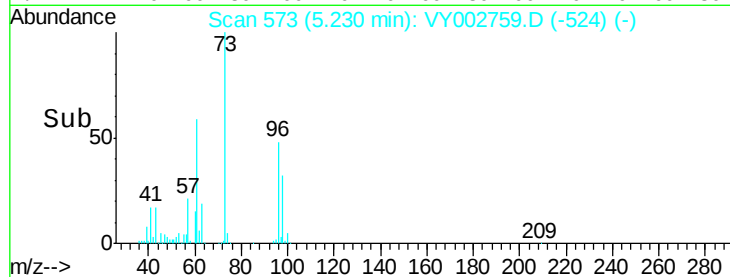
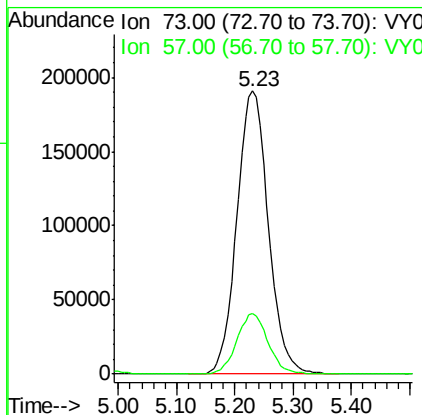
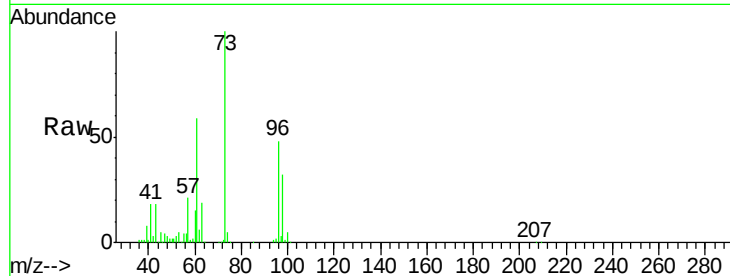
Methyl tert-butyl Ether
 Concen: 107.166 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.4

Manual Integrations
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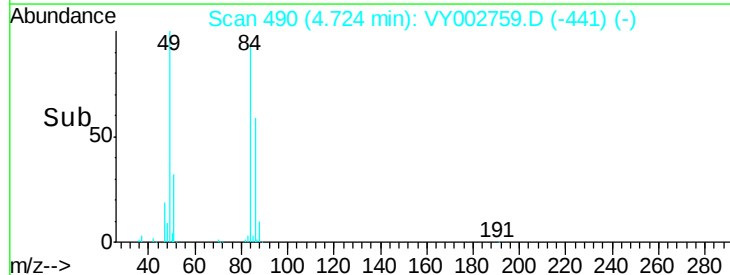
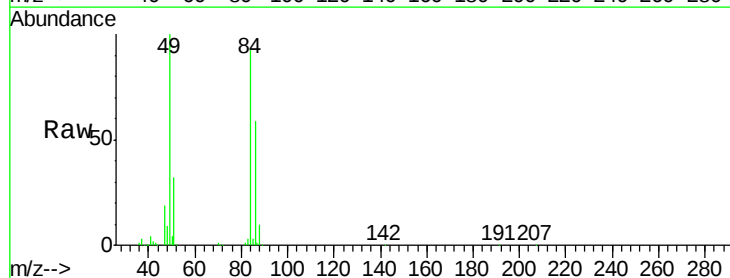
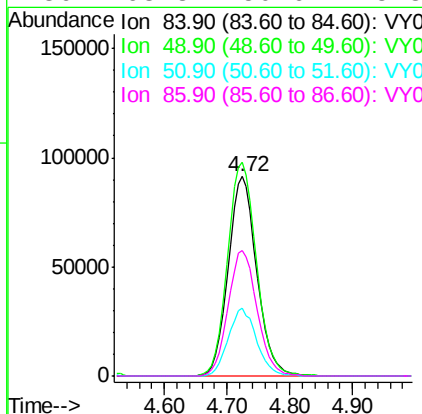
MMDadoda
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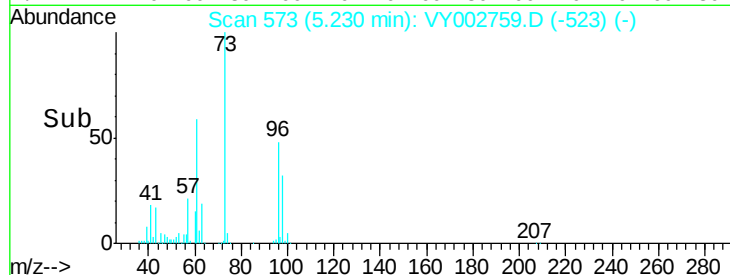
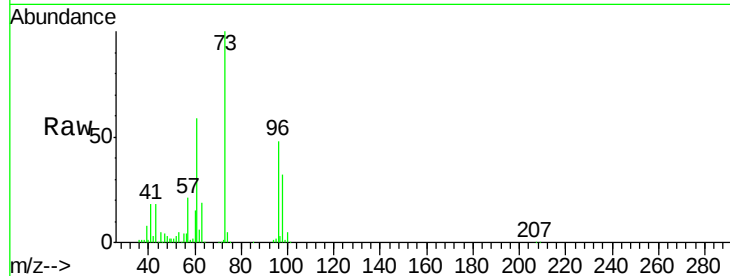
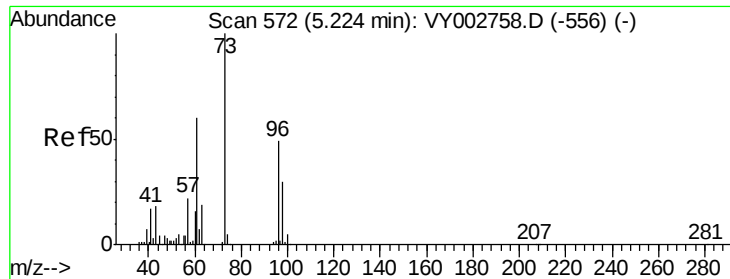


#20

Methylene Chloride
 Concen: 96.931 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.3	88.5	132.7
51	34.1	26.8	40.2
86	63.3	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 100.101 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002759.D

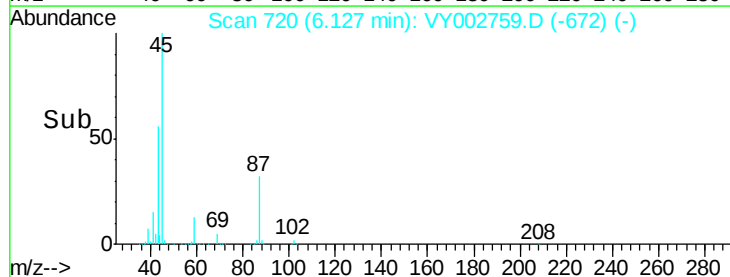
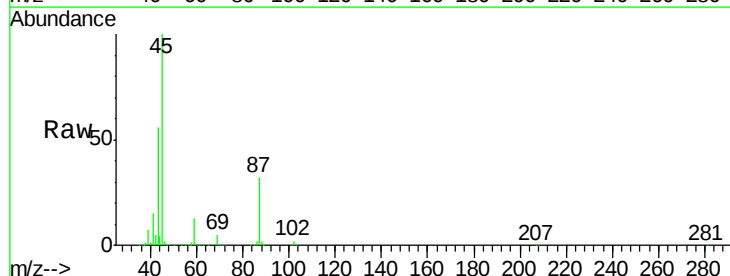
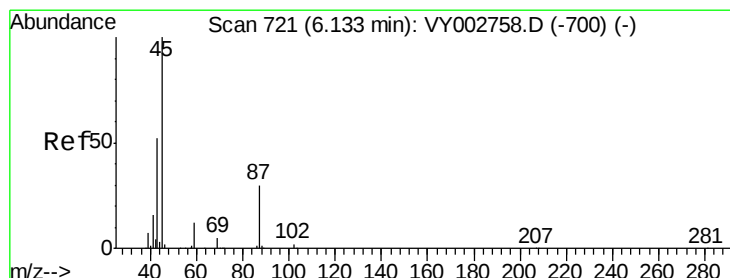
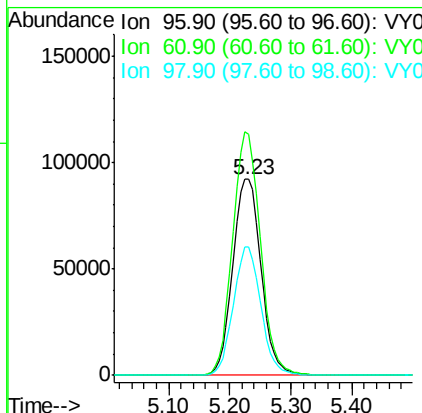
Acq: 27 May 2020 12:37

Tot Ion:	96	Resp:	295319
Ion Ratio	Lower	Upper	
96	100		
61	123.0	96.8	145.2
98	65.6	49.4	74.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Manual Integrations
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#22

Diisopropyl ether

Concen: 102.586 ug/l

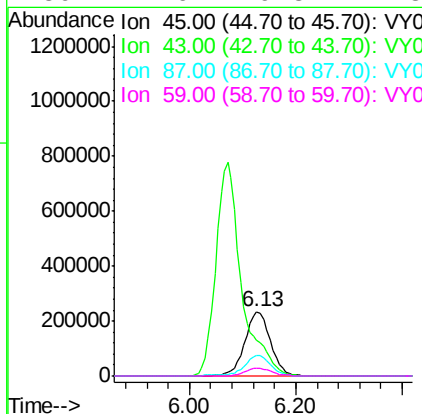
RT: 6.13 min Scan# 720

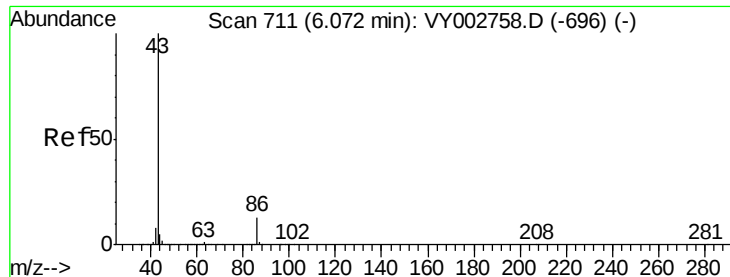
Delta R.T. -0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	45	Resp:	779474
Ion Ratio	Lower	Upper	
45	100		
43	56.3	41.7	62.5
87	31.6	24.2	36.2
59	12.6	9.8	14.8





#23

Vinyl Acetate

Concen: 531.305 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tot Ion: 43 Resp: 2604703

Ion Ratio Lower Upper

43 100

86 12.7 10.2 15.2

Instrument :

MSVOA_Y

ClientSampleId :

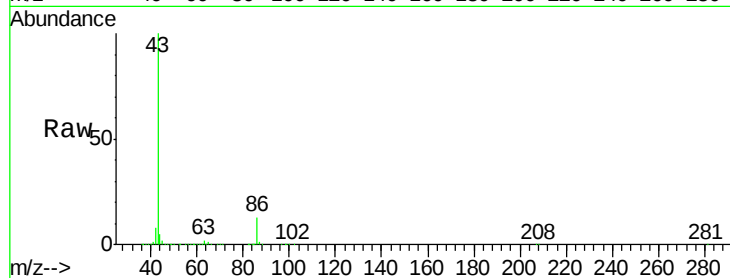
VSTDIC100

Manual Integrations

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5/28/2020 2:08:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

800000

600000

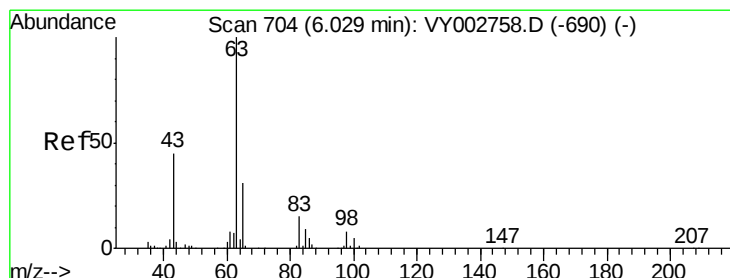
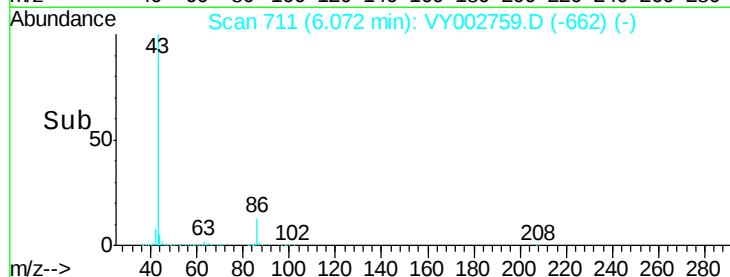
400000

200000

0

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 100.774 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

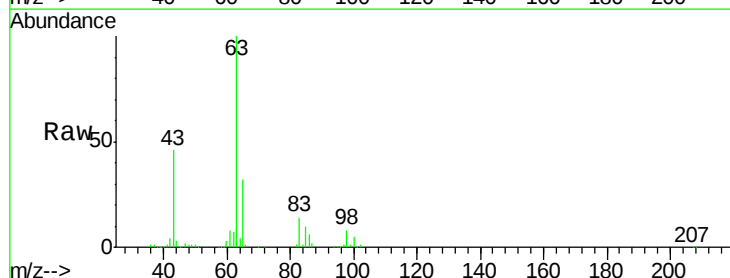
Tgt Ion: 63 Resp: 456692

Ion Ratio Lower Upper

63 100

98 8.2 4.0 12.2

100 5.3 2.4 7.1



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

6.03

150000

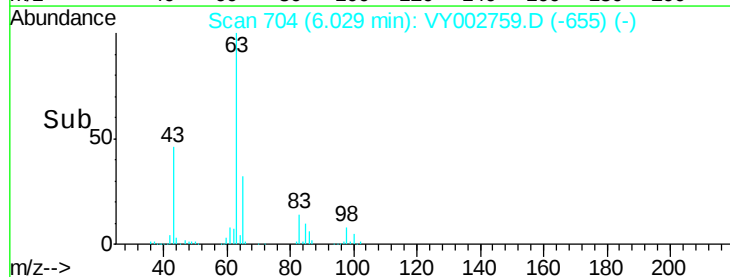
100000

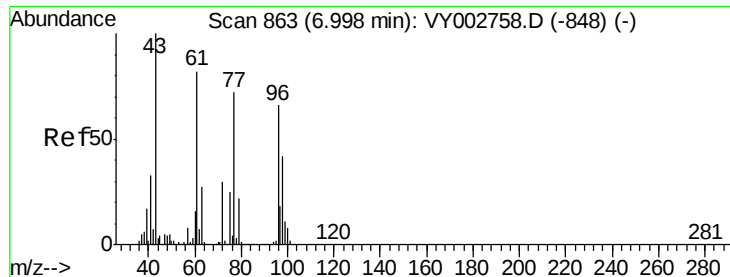
50000

0

5.90 6.00 6.10 6.20

Time-->





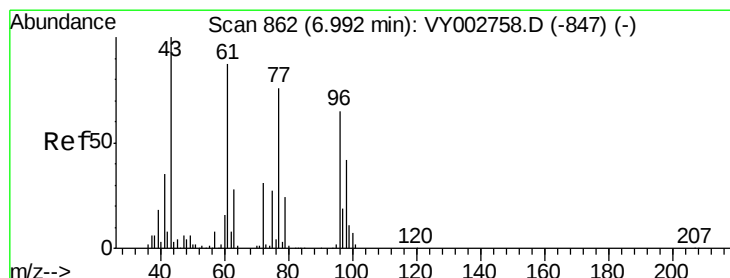
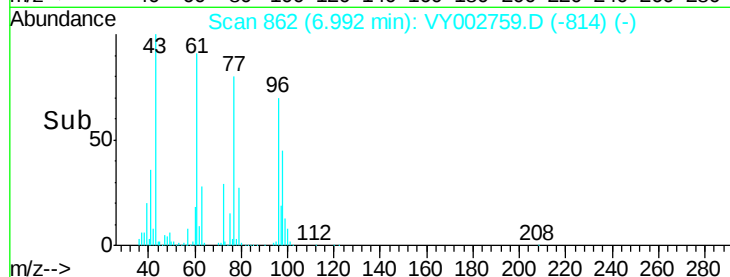
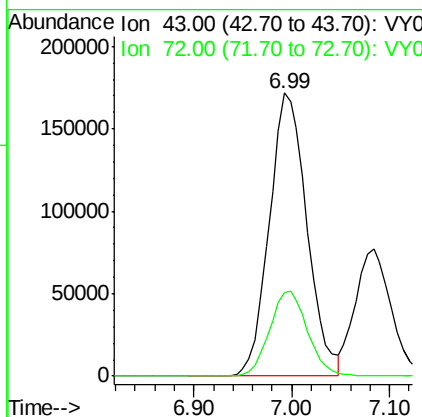
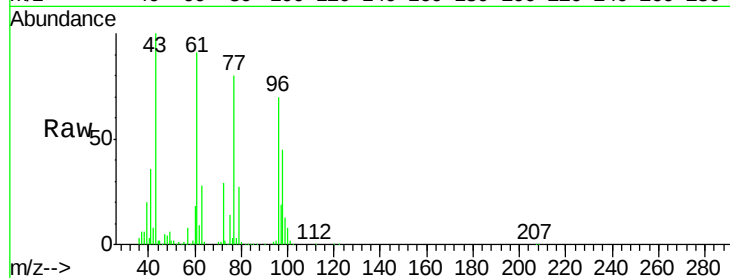
#25
2-Butanone
Concen: 552.529 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.9	35.9

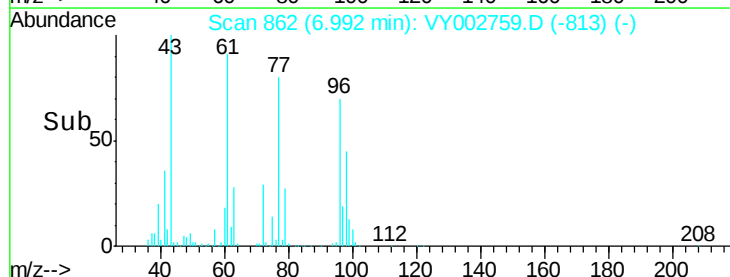
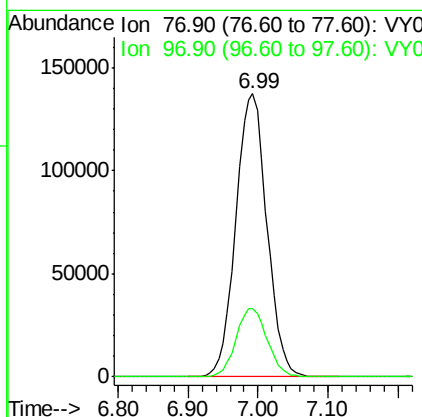
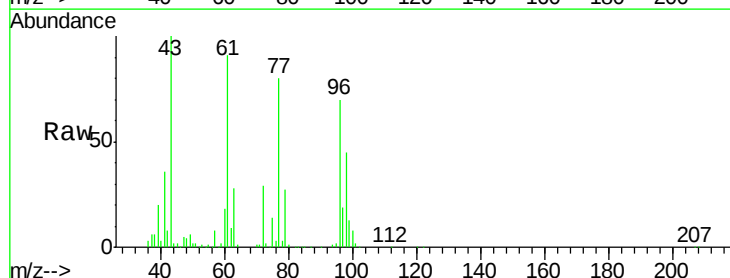
Manual Integrations
APPROVED

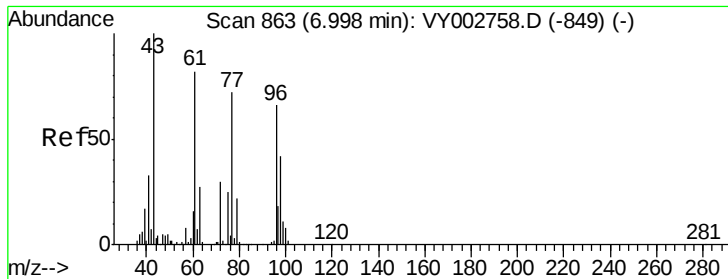
MMDadoda
5/28/2020 2:08:39 PM



#26
2,2-Dichloropropane
Concen: 99.900 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.2	36.6





#27

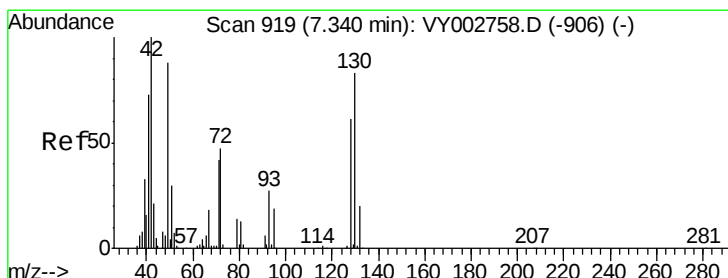
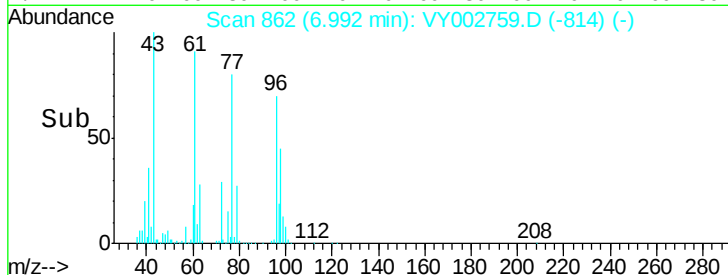
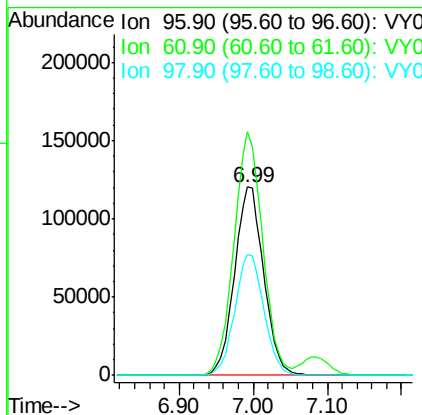
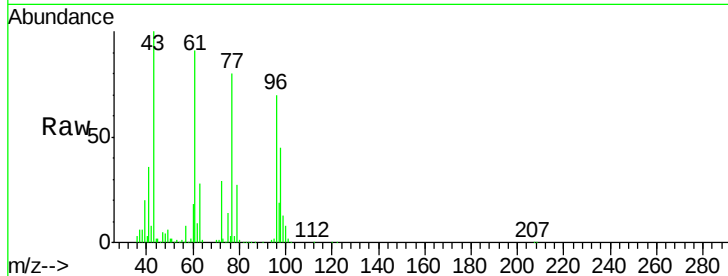
cis-1,2-Dichloroethene
Concen: 103.049 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.2	0.0	260.2	
98	64.3	0.0	128.2	

Manual Integrations
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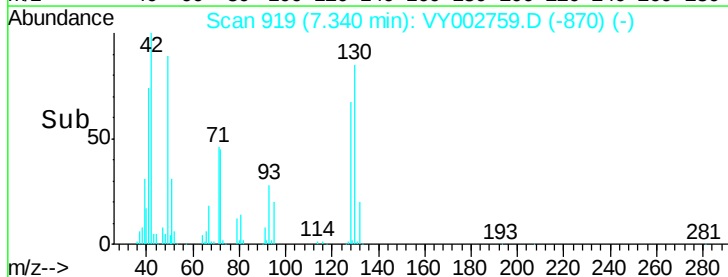
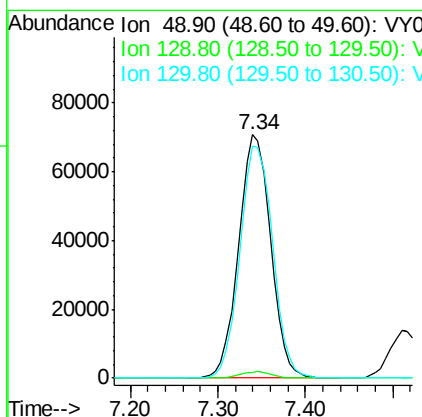
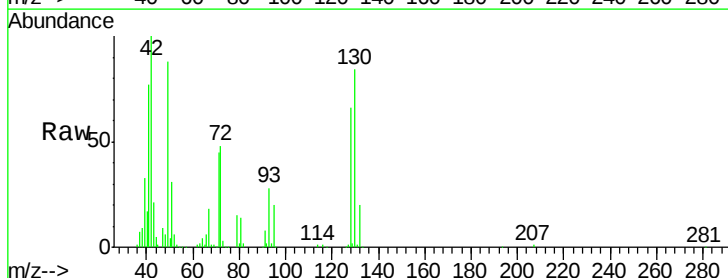
MMDadoda
5/28/2020 2:08:39 PM

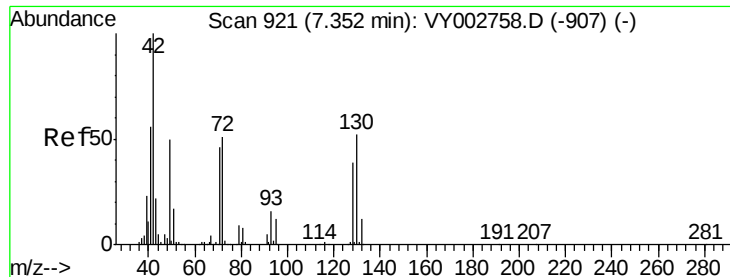


#28

Bromochloromethane
Concen: 99.790 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	97.4	77.1	115.7	





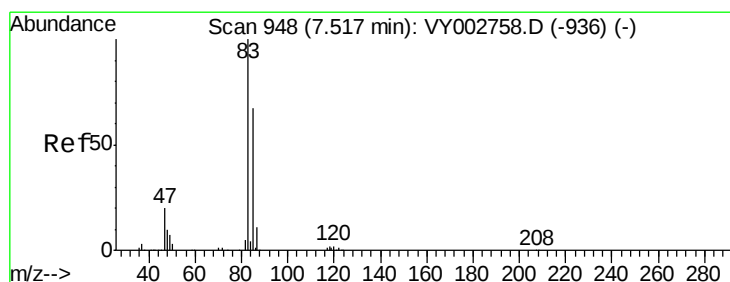
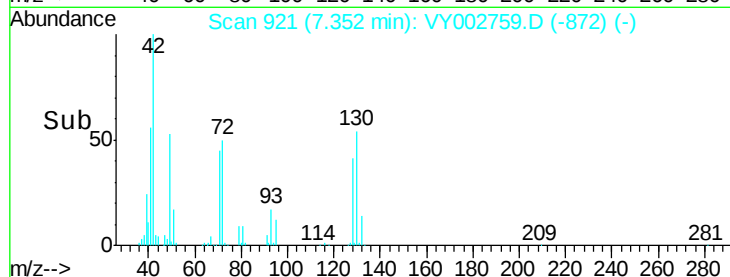
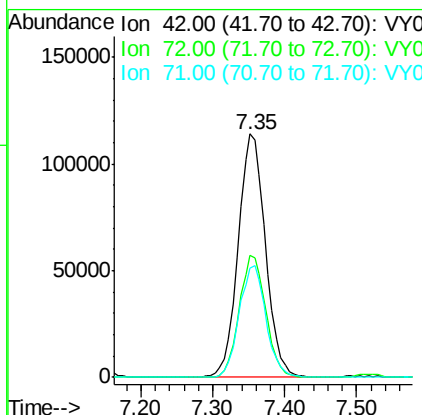
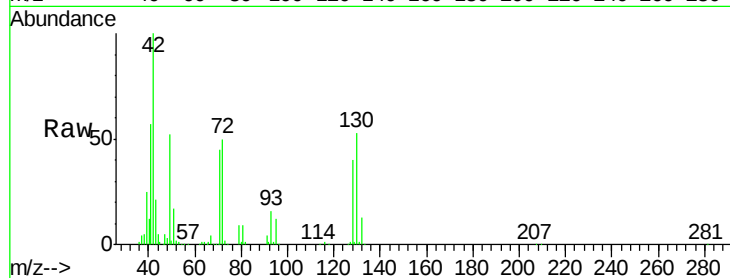
#29
Tetrahydrofuran
Concen: 533.824 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	38.6	58.0
71	45.3	35.8	53.8

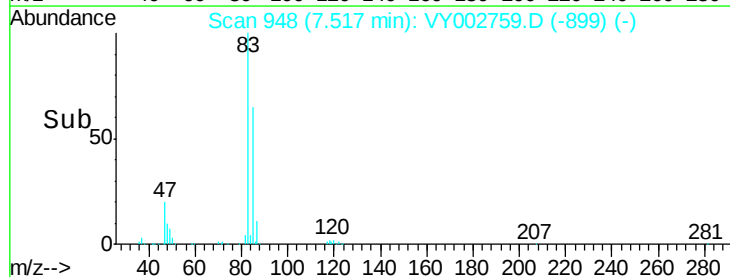
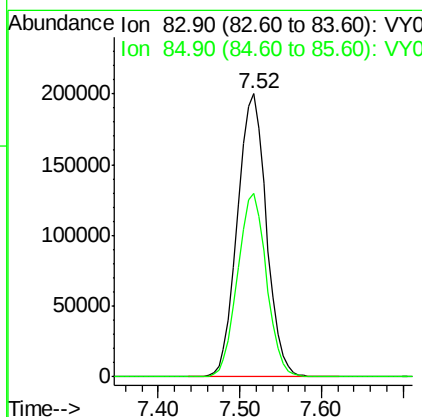
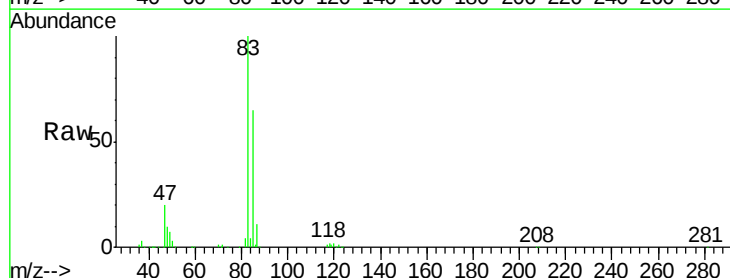
Manual Integrations
APPROVED

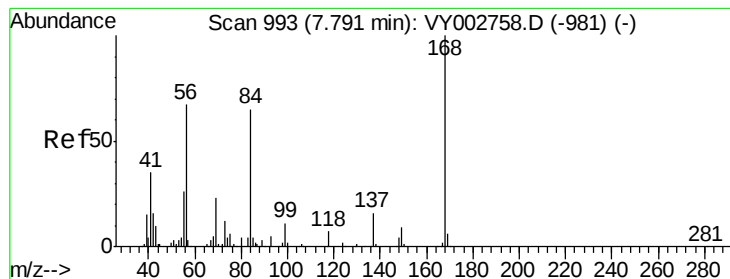
MMDadoda
5/28/2020 2:08:39 PM



#30
Chloroform
Concen: 104.236 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.8	80.8





#31

Cvclohexane

Concen: 94.461 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

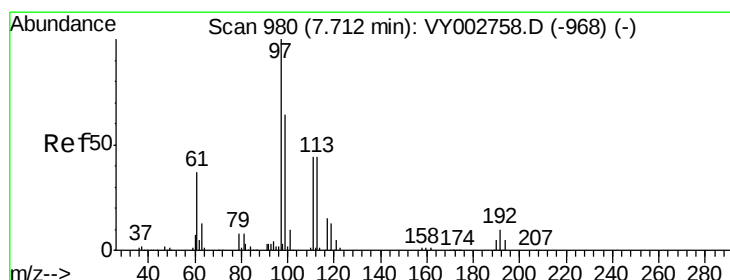
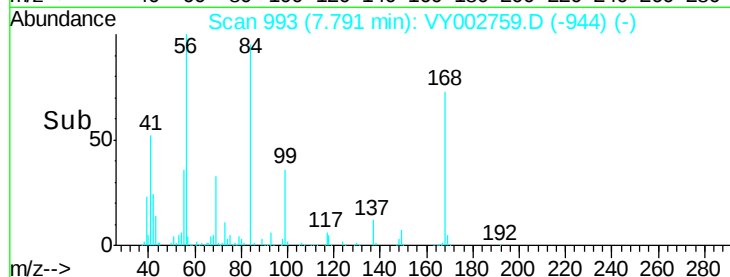
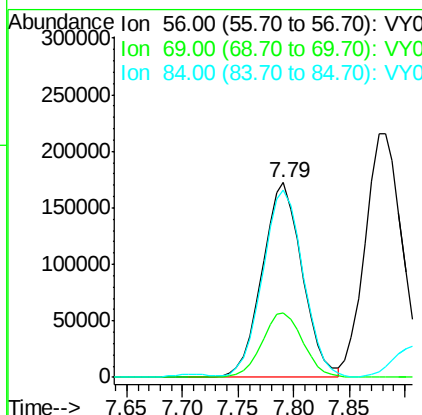
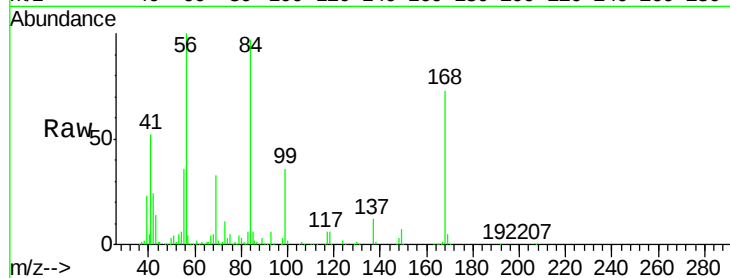
ClientSampleId :

VSTDICC100

Tot Ion:	56	Resp:	432184
Ion	Ratio	Lower	Upper
56	100		
69	33.0	28.0	42.0
84	95.1	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 103.836 ug/l

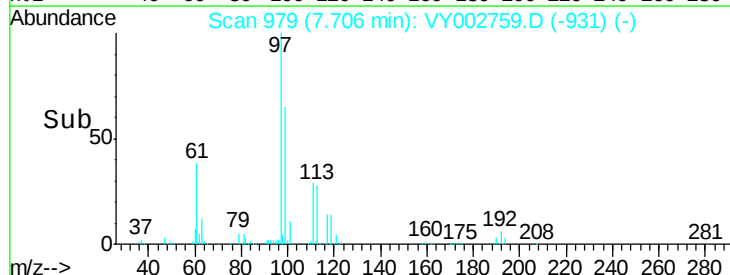
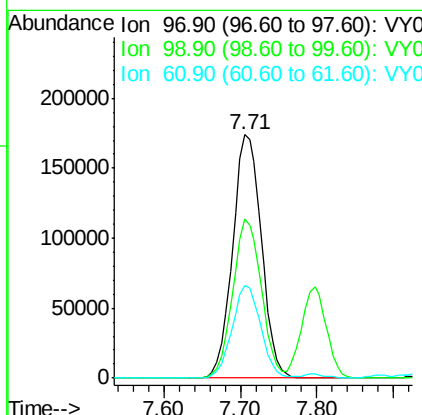
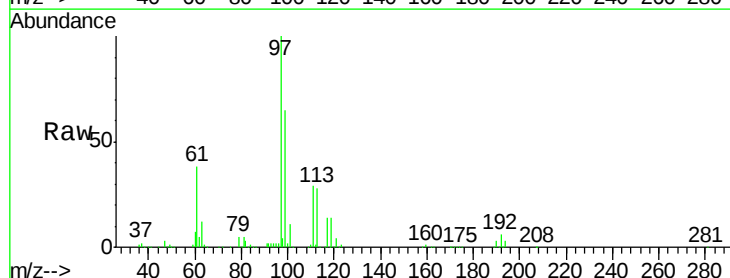
RT: 7.71 min Scan# 979

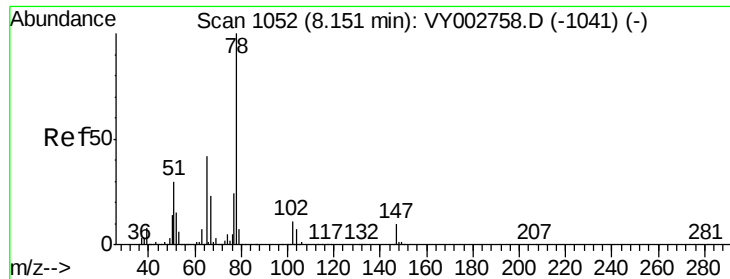
Delta R.T. -0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	97	Resp:	453151
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	37.7	30.1	45.1





#33

1,2-Dichloroethane-d4

Concen: 106.122 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 255852

Ion Ratio Lower Upper

65 100

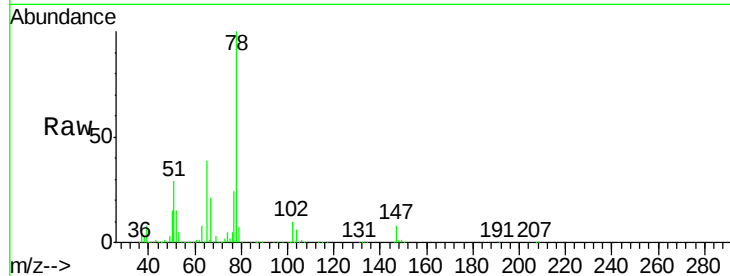
67 54.0 0.0 111.0

Manual Integrations

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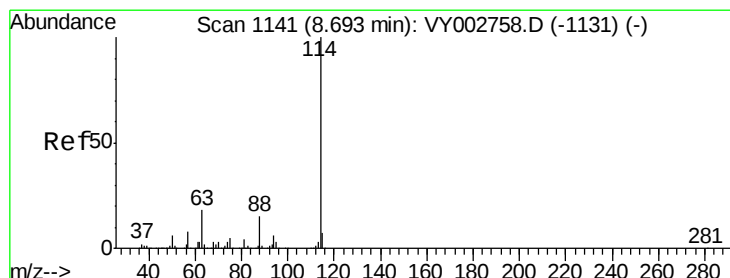
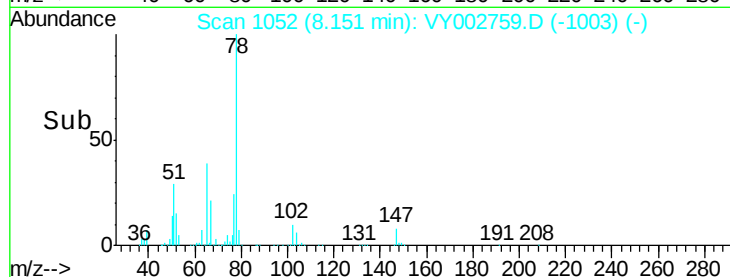
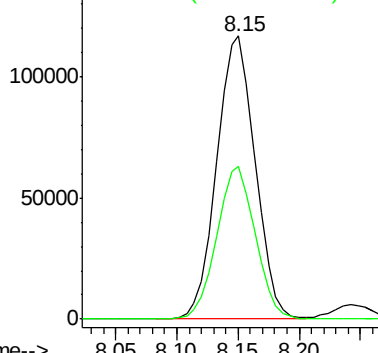
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

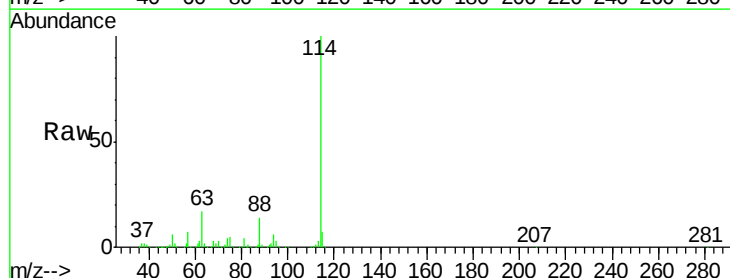
Tgt Ion: 114 Resp: 449869

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.2

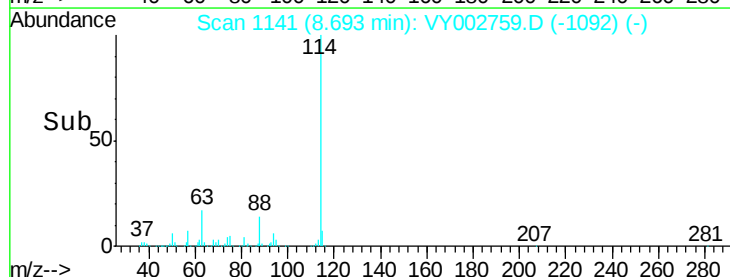
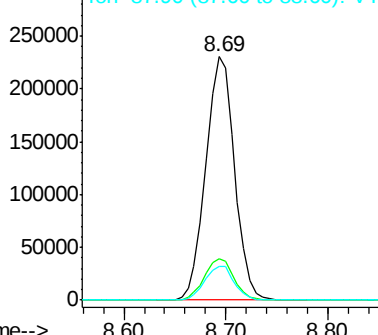
88 13.9 0.0 29.2

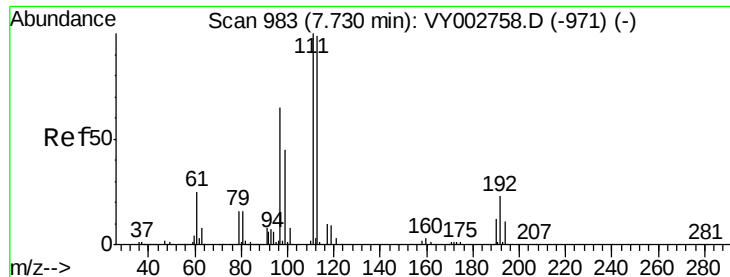


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 104.403 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

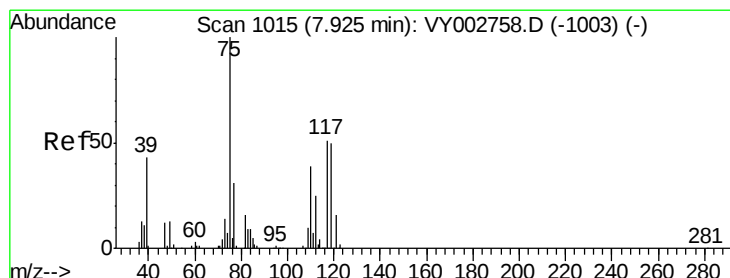
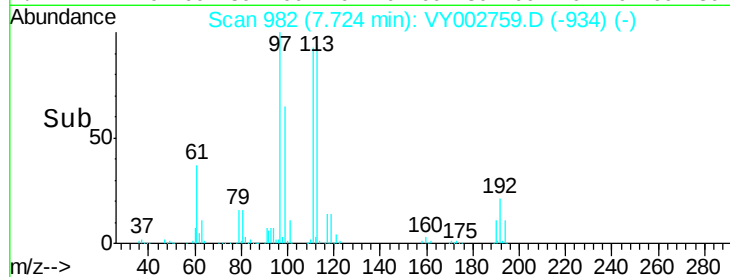
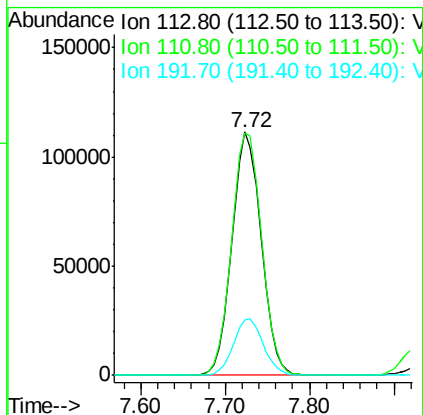
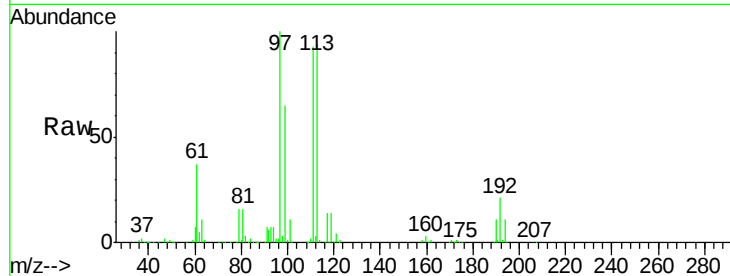
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	261249
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.0	123.0
192	23.5	18.9	28.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 101.436 ug/l

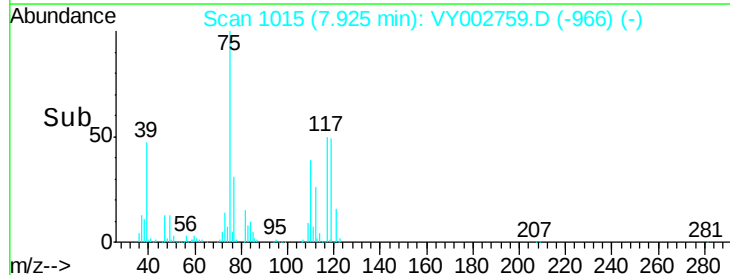
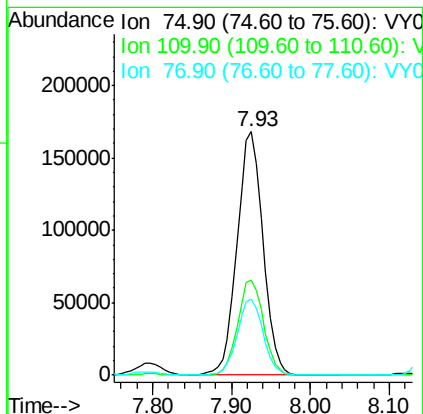
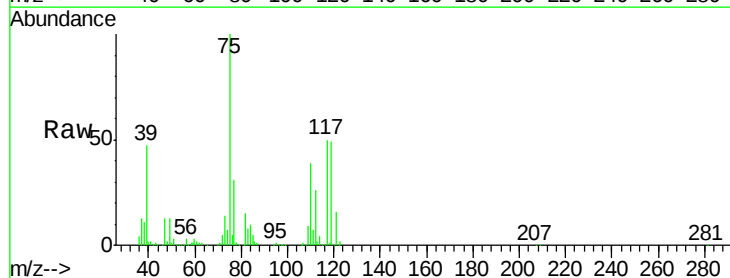
RT: 7.93 min Scan# 1015

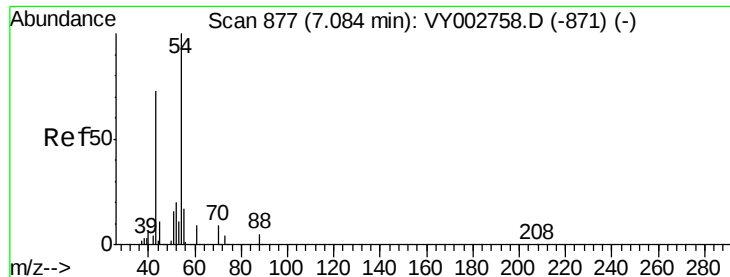
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	75	Resp:	384514
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.3	57.9
77	31.2	24.8	37.2





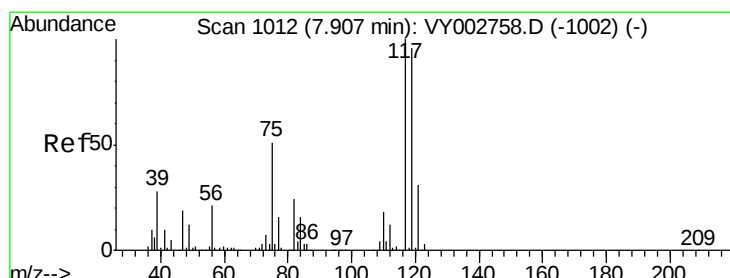
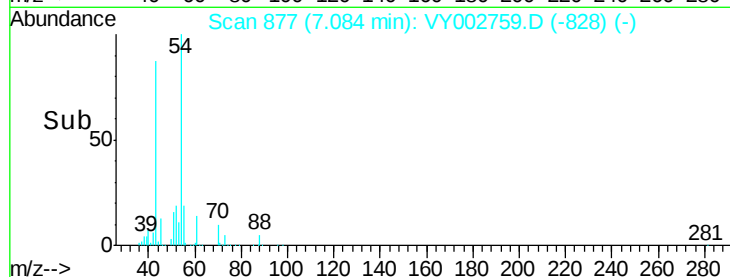
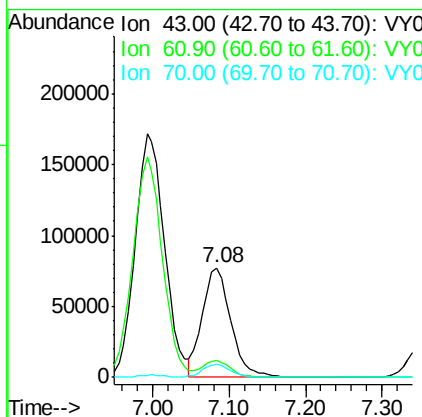
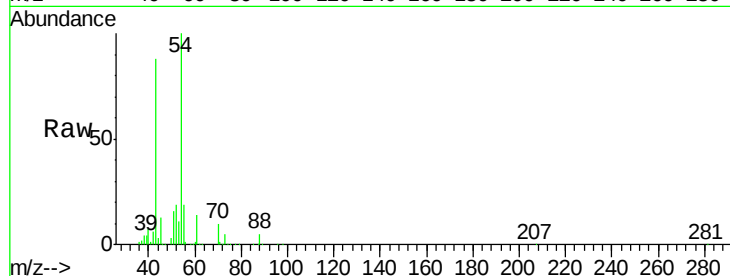
#37
Ethyl Acetate
Concen: 106.079 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	199858
Ion Ratio	Lower	Upper	
43	100		
61	15.3	11.9	17.9
70	11.7	9.1	13.7

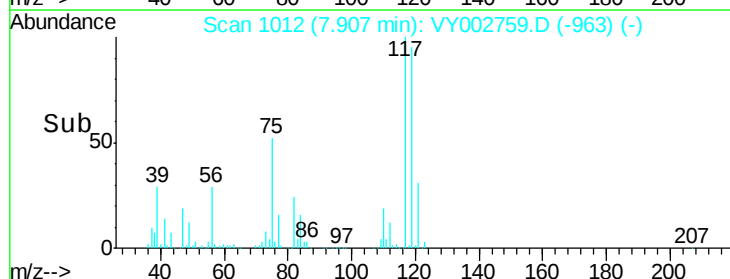
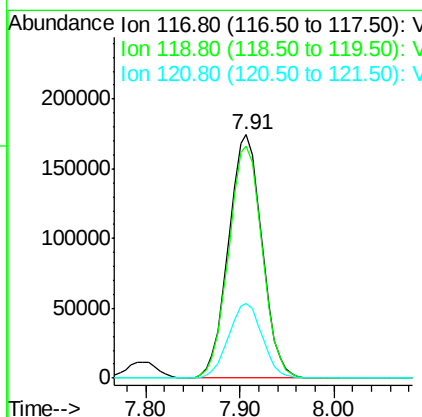
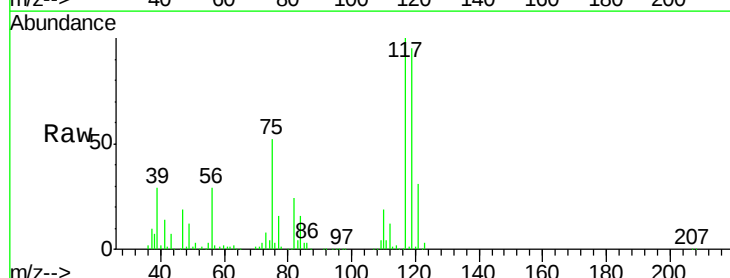
Manual Integrations
APPROVED

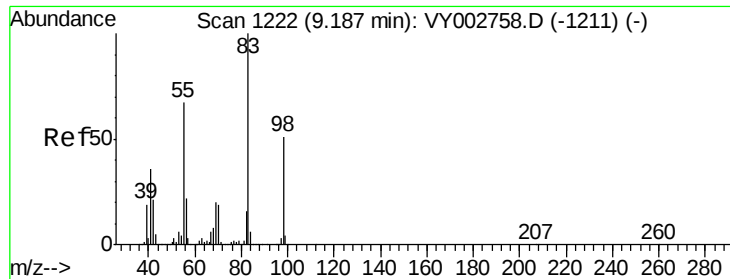
MMDadoda
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#38
Carbon Tetrachloride
Concen: 105.833 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	117	Resp	431857
Ion Ratio	Lower	Upper	
117	100		
119	95.4	76.8	115.2
121	30.7	24.8	37.2





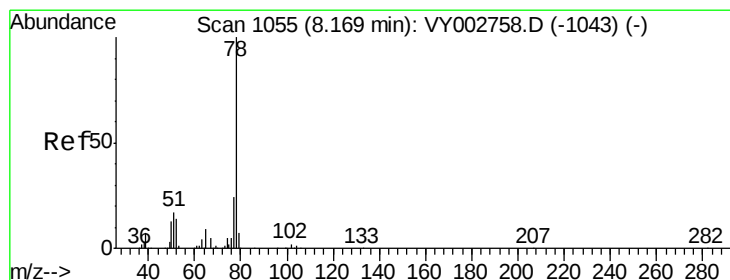
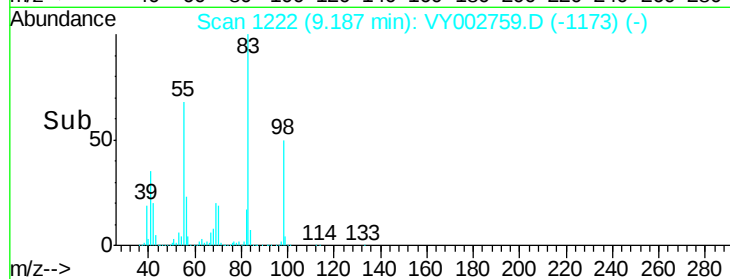
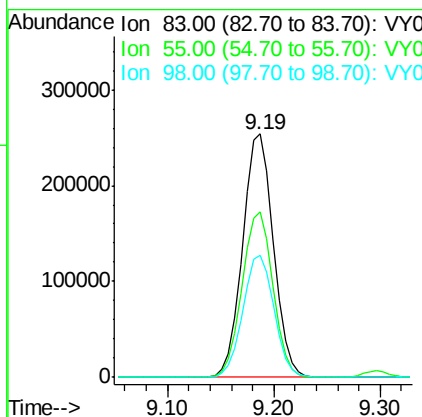
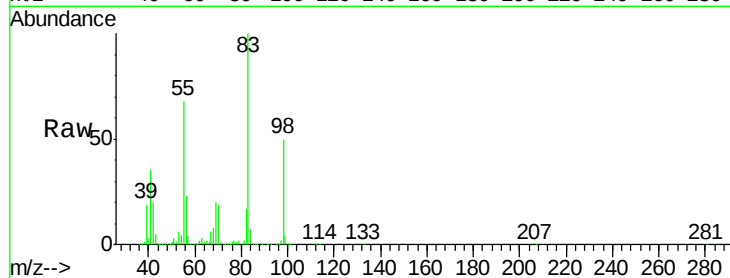
#39
Methvlcvclohexane
Concen: 101.933 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	516589
Ion Ratio	100	Lower	Upper
83	100		
55	68.1	53.3	79.9
98	50.0	41.1	61.7

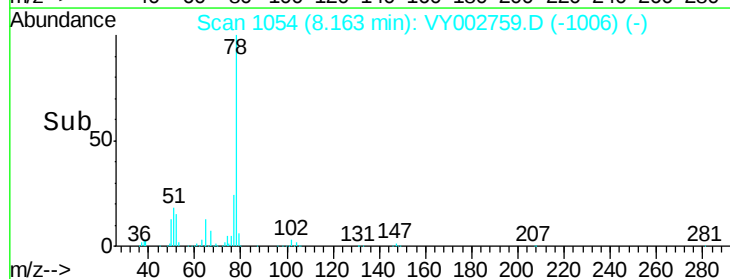
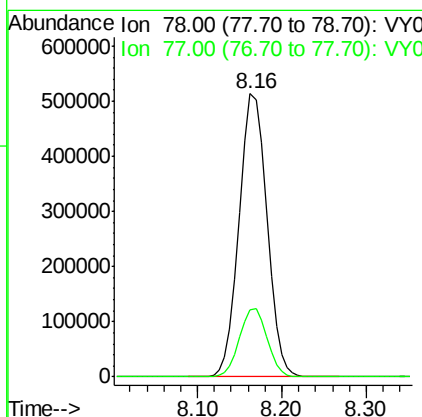
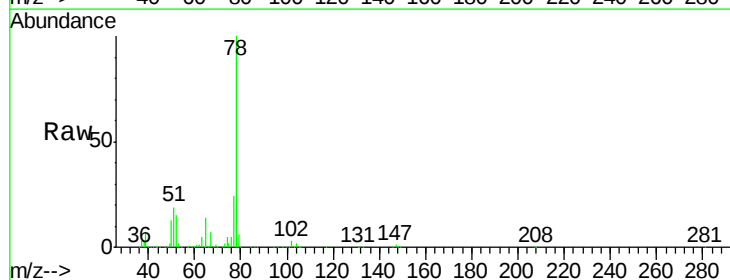
Manual Integrations
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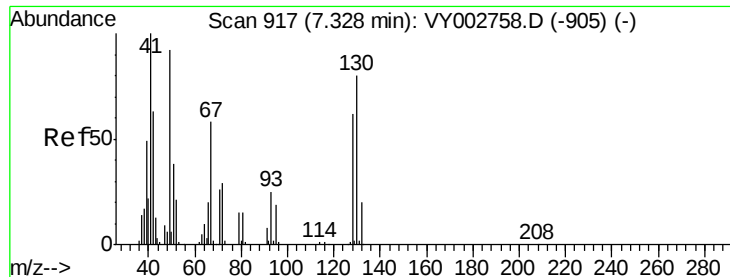
MMDadoda
5/28/2020 2:08:39 PM



#40
Benzene
Concen: 103.515 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	78	Resp	1144948
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.8	28.2





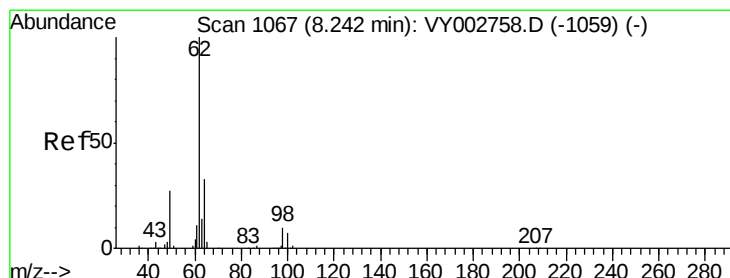
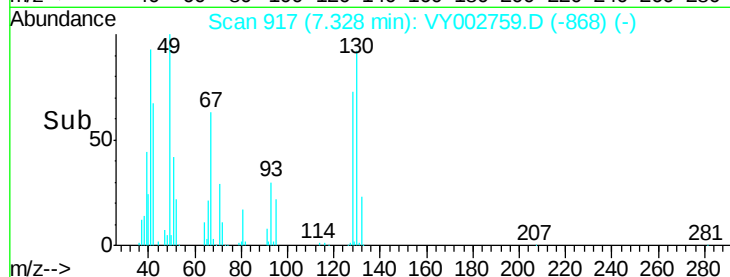
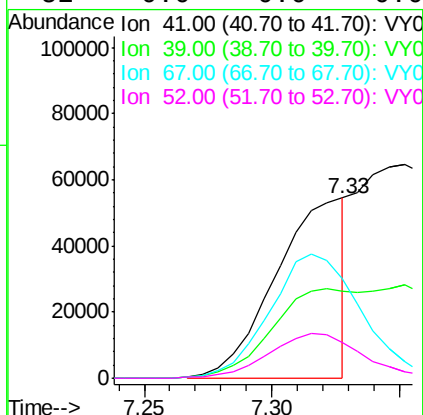
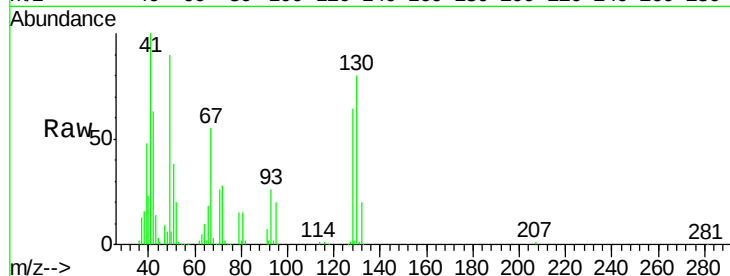
#41
Methacrylonitrile
Concen: 95.194 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

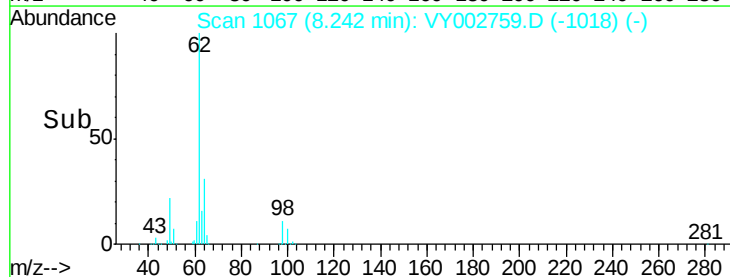
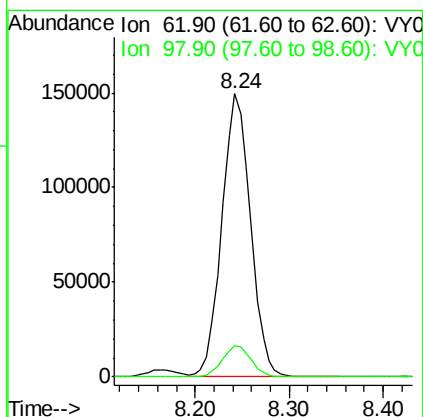
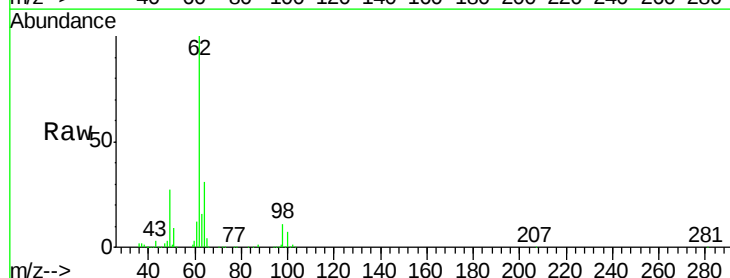
Manual Integrations
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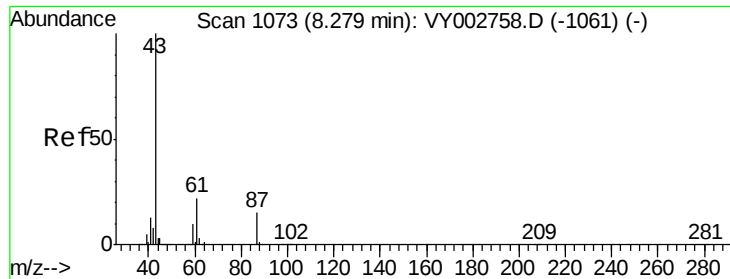
MMDadoda
5/28/2020 2:08:39 PM



#42
1,2-Dichloroethane
Concen: 107.423 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.6





#43

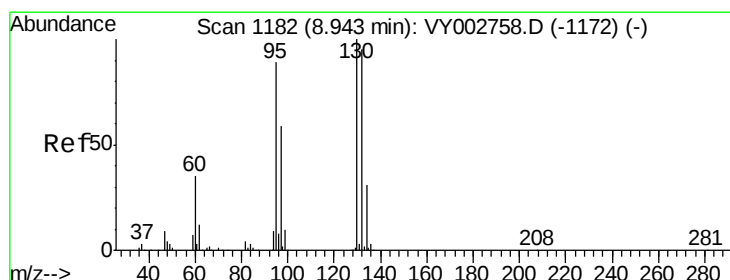
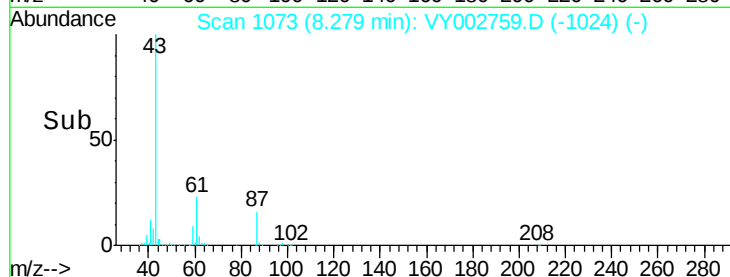
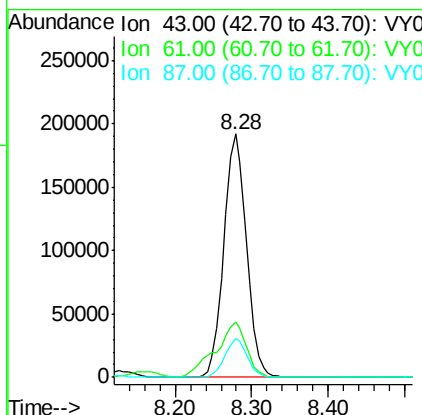
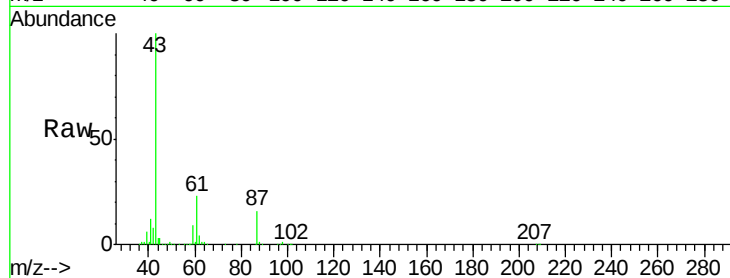
Isopropyl Acetate
 Concen: 111.085 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	15.7	12.4	18.6

Manual Integrations
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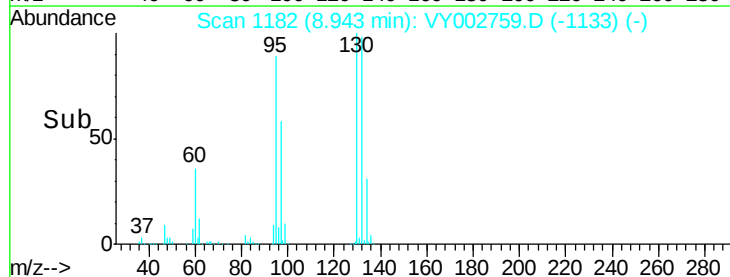
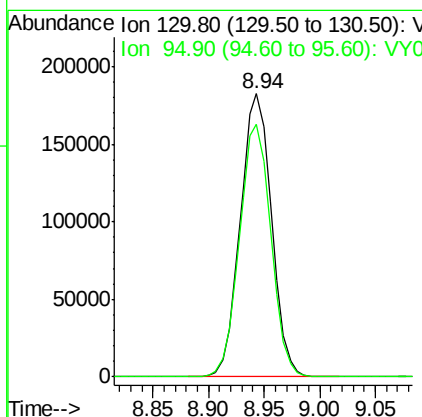
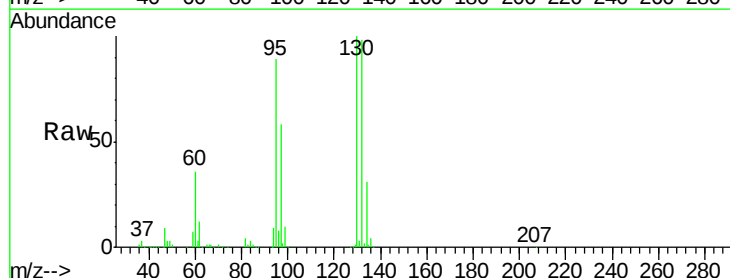
MMDadoda
 5/28/2020 2:08:39 PM

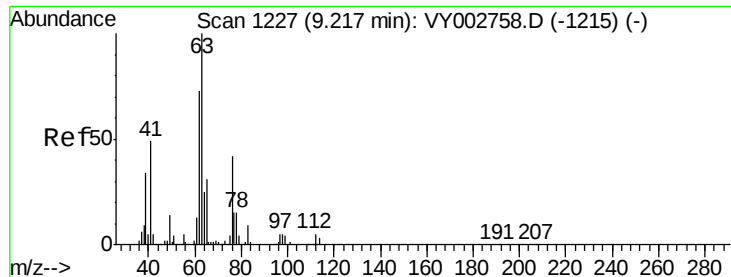


#44

Trichloroethene
 Concen: 101.070 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	178.8





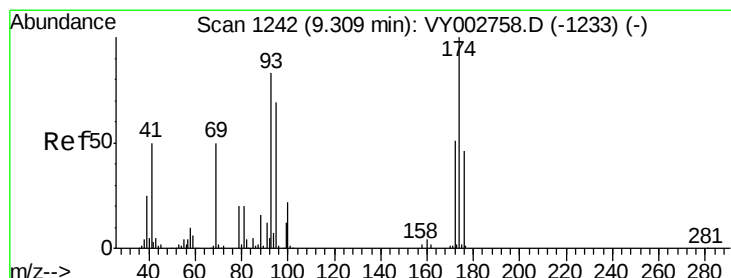
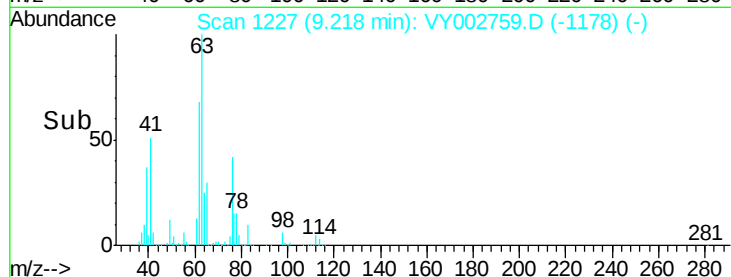
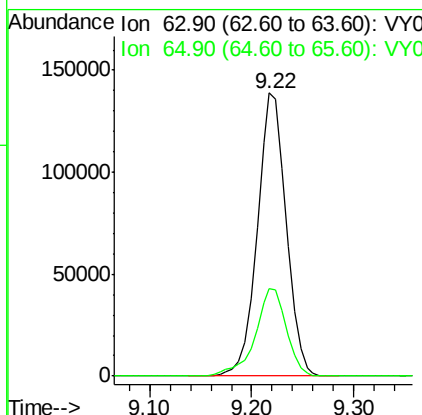
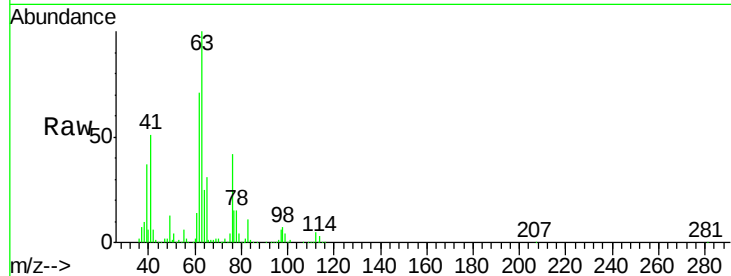
#45
 1,2-Dichloropropane
 Concen: 103.637 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

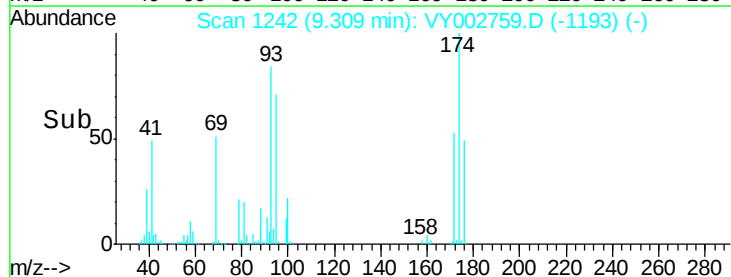
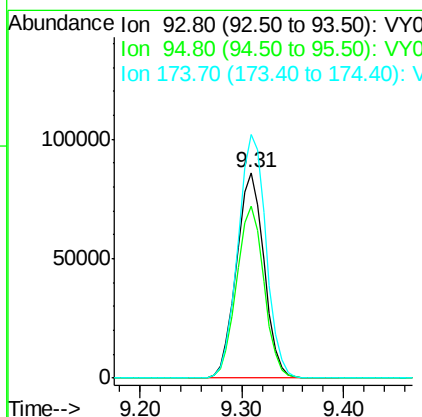
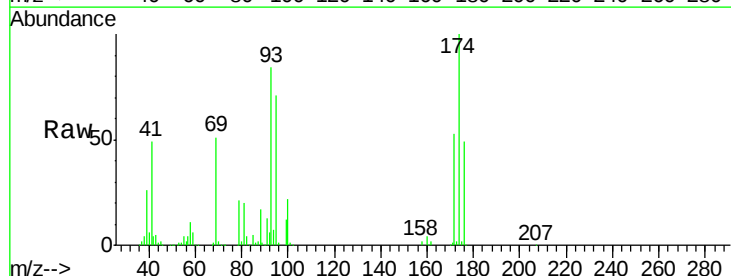
Manual Integrations
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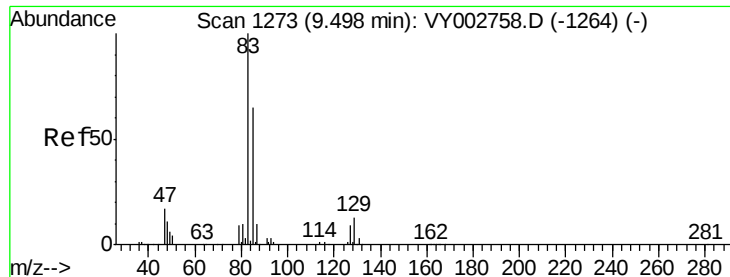
MMDadoda
 5/28/2020 2:08:39 PM



#46
 Dibromomethane
 Concen: 107.794 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.9	100.3
174	120.7	97.7	146.5





#47

Bromodichloromethane

Concen: 107.748 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

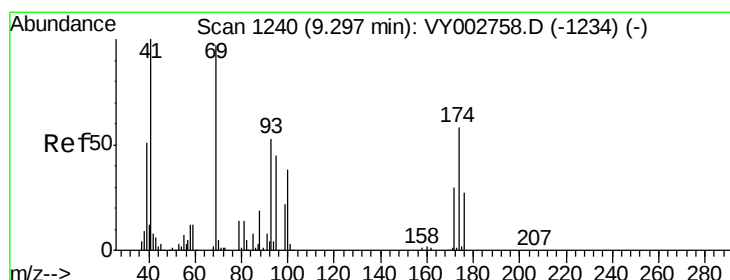
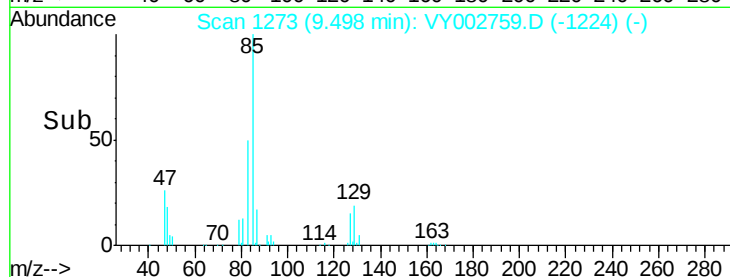
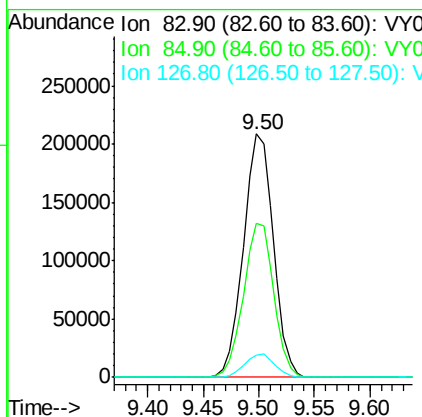
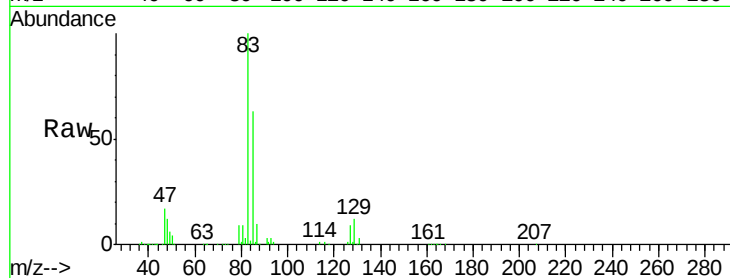
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	389772
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.9	77.9
127	9.3	7.1	10.7

Manual Integrations
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5/28/2020 2:08:39 PM



#48

Methyl methacrylate

Concen: 110.976 ug/l

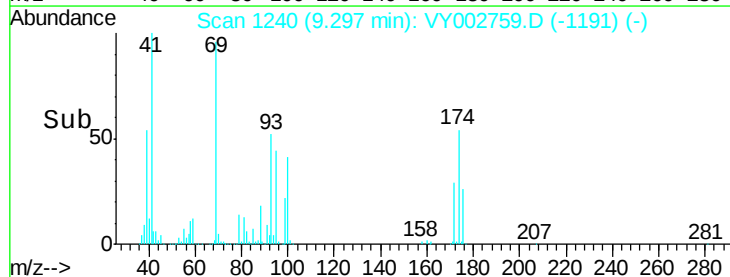
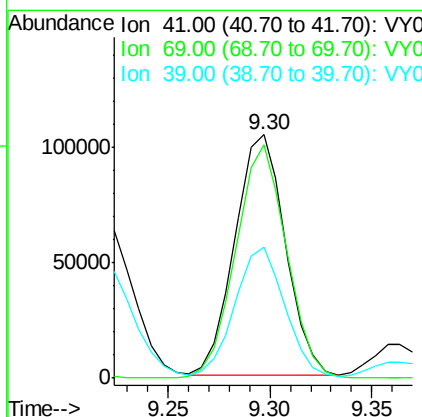
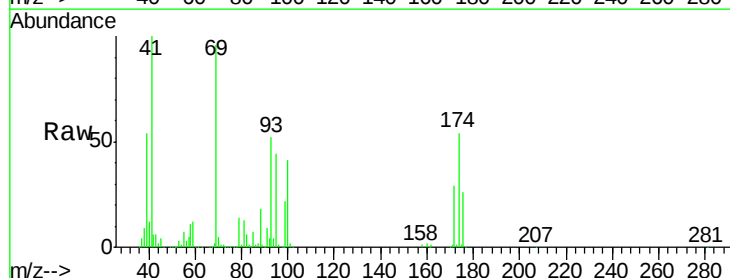
RT: 9.30 min Scan# 1240

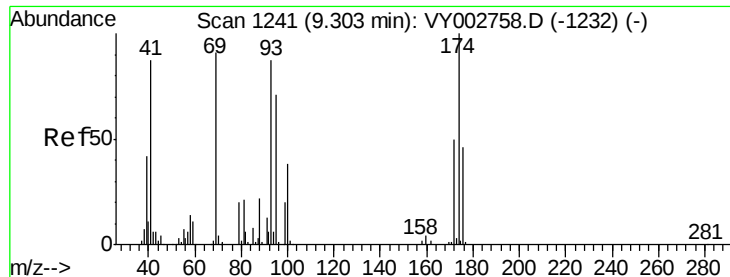
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	41	Resp:	179080
Ion Ratio	Lower	Upper	
41	100		
69	97.4	79.7	119.5
39	54.6	43.3	64.9





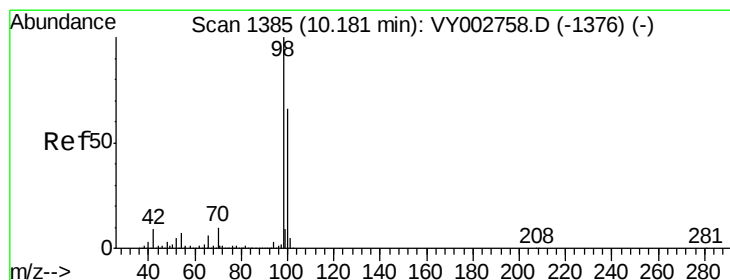
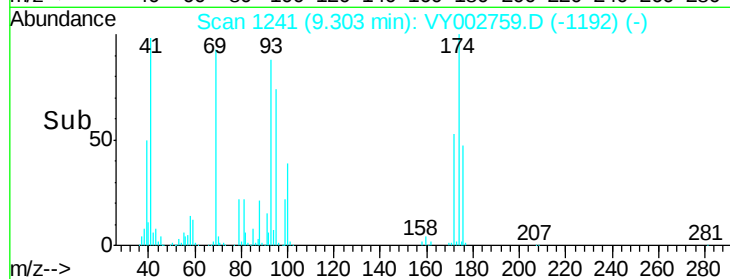
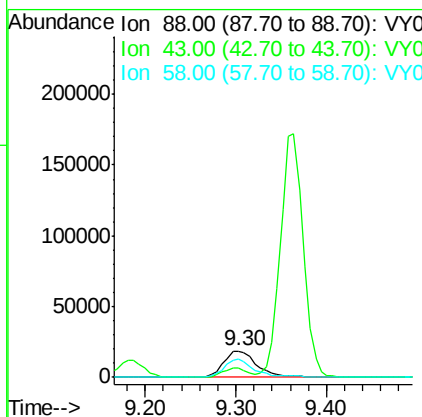
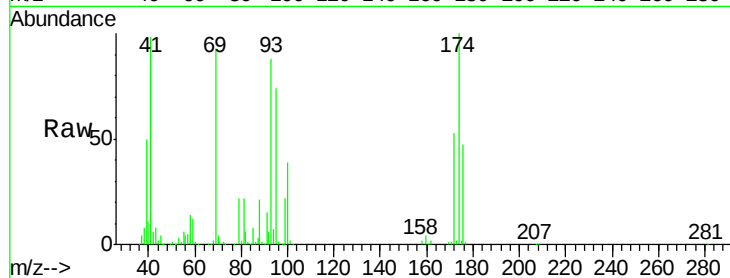
#49
1,4-Dioxane
Concen: 2301.064 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	88	Resp	47775
Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	63.9	52.2	78.2

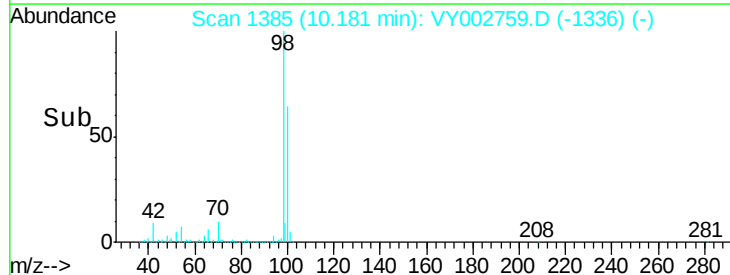
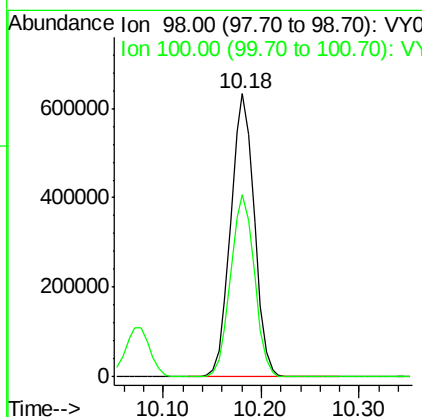
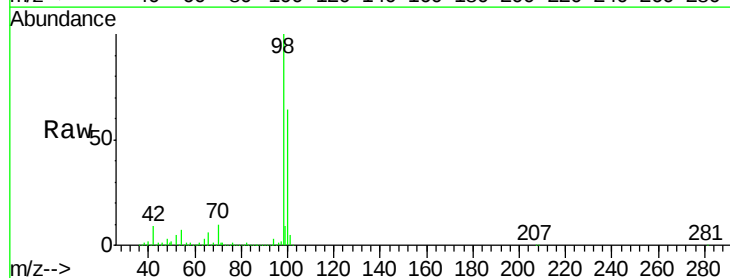
Manual Integrations
APPROVED

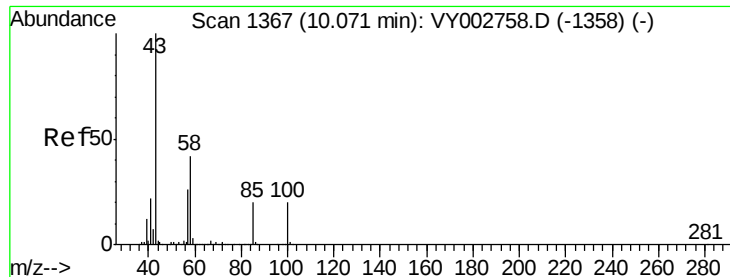
MMDadoda
5/28/2020 2:08:39 PM



#50
Toluene-d8
Concen: 105.136 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	98	Resp	1057532
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 556.516 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1014592

Ion Ratio Lower Upper

43 100

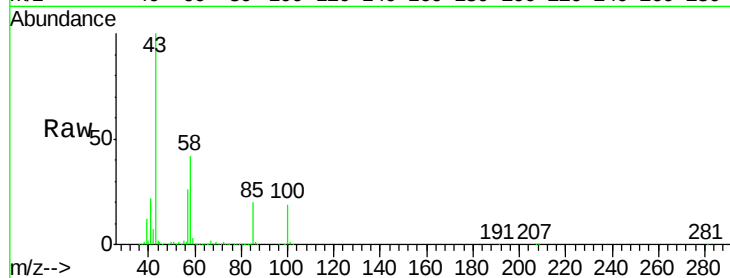
58 42.3

34.2 51.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

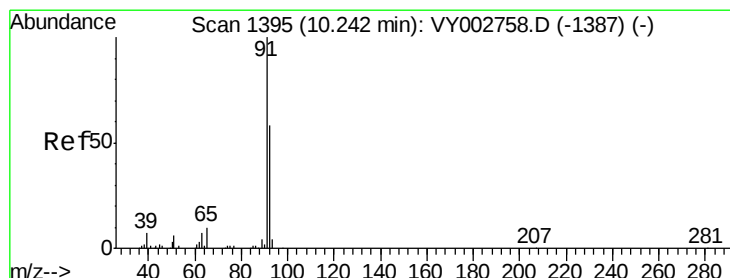
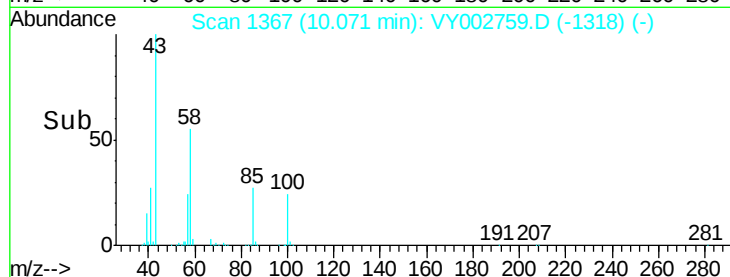
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 104.037 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

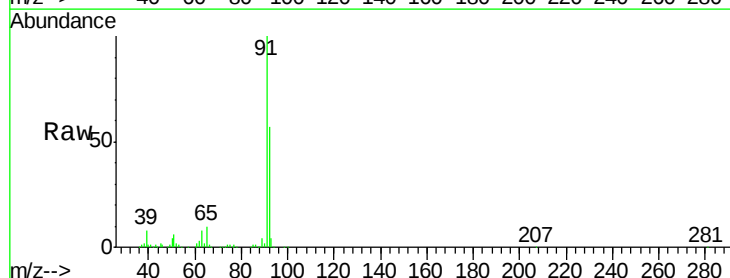
Tgt Ion: 92 Resp: 746972

Ion Ratio Lower Upper

92 100

91 174.3

138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

800000

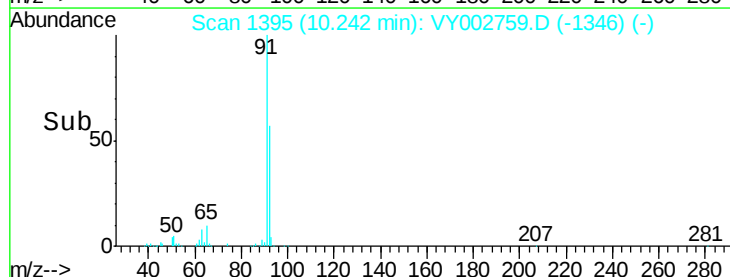
600000

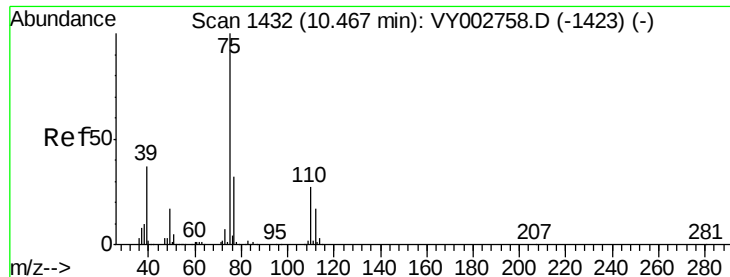
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 109.838 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 426035

Ion Ratio Lower Upper

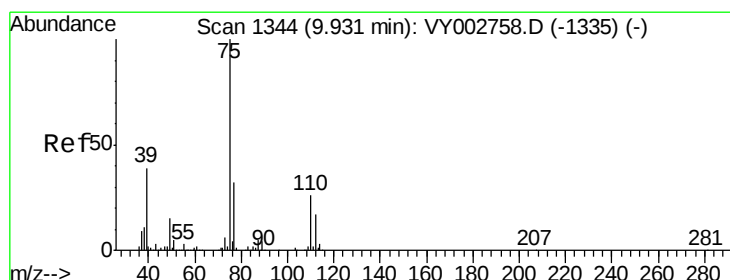
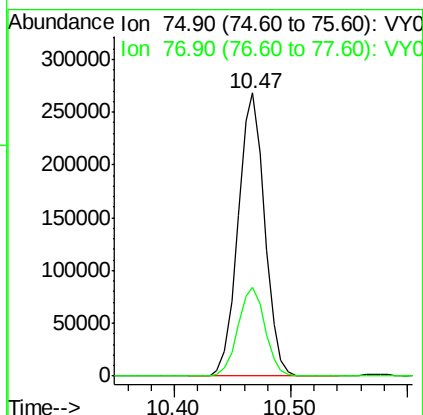
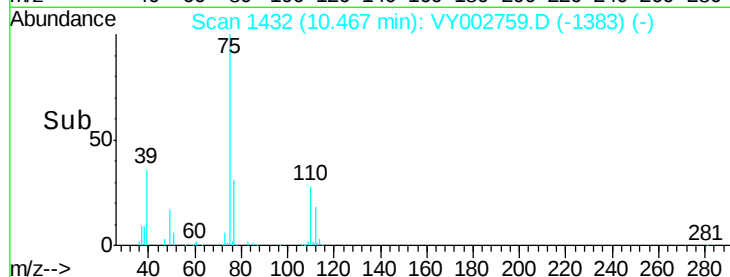
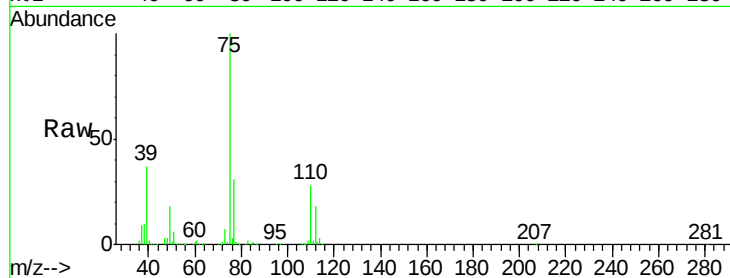
75 100

77 31.5 25.3 37.9

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 106.846 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

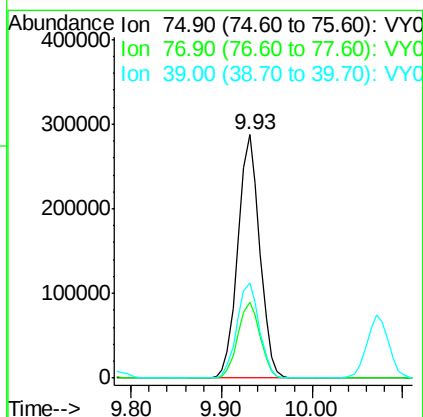
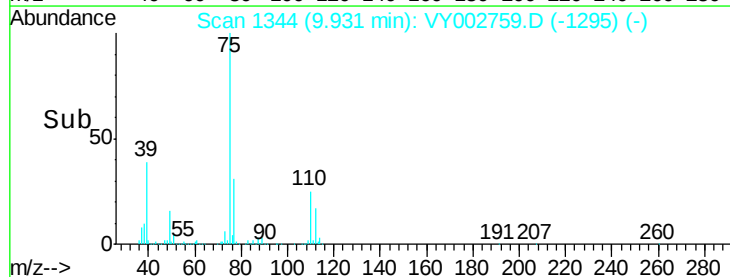
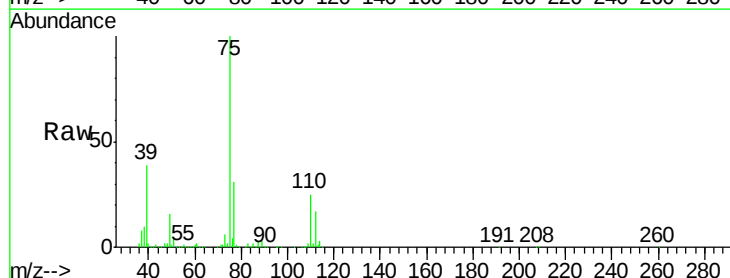
Tgt Ion: 75 Resp: 478227

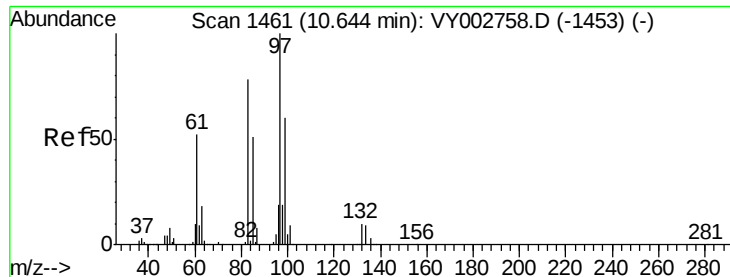
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 39.0 31.3 46.9





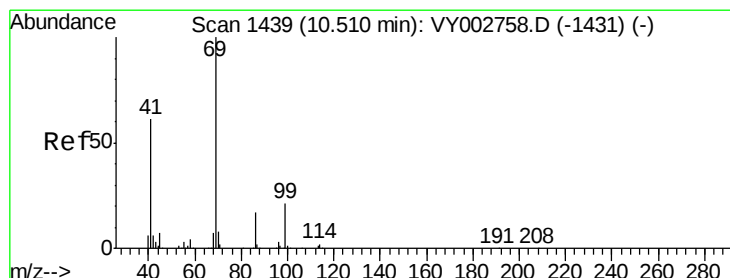
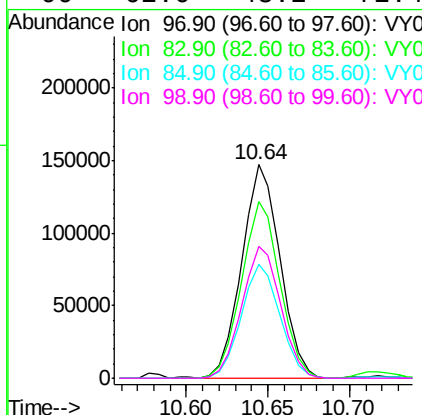
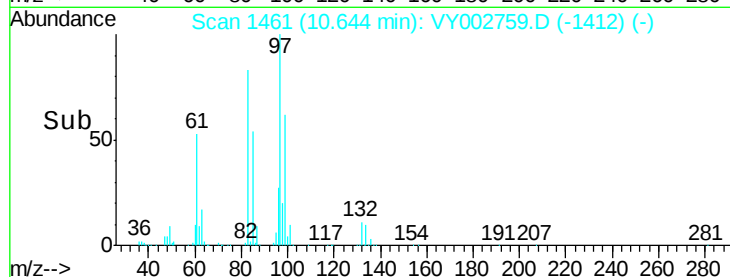
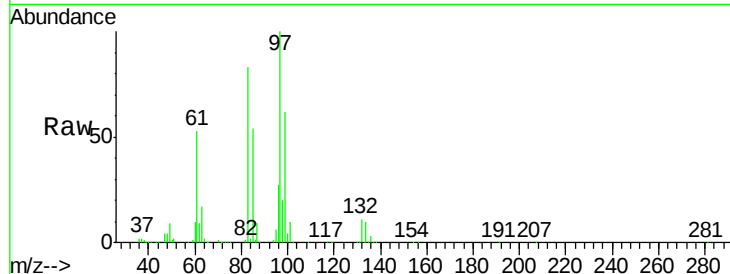
#55
 1,1,2-Trichloroethane
 Concen: 107.503 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	240086
Ion	Ratio	Lower	Upper
97	100		
83	82.6	62.7	94.1
85	53.6	40.6	60.8
99	62.0	48.2	72.4

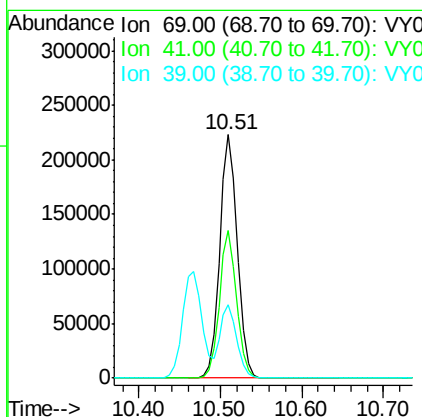
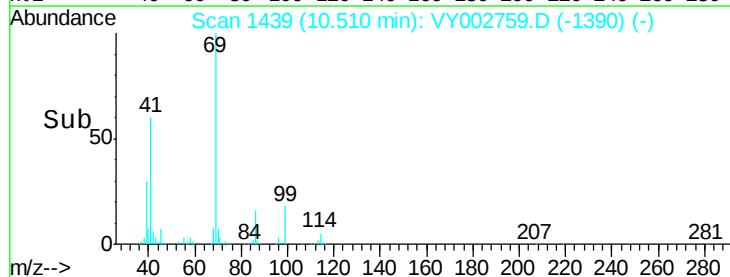
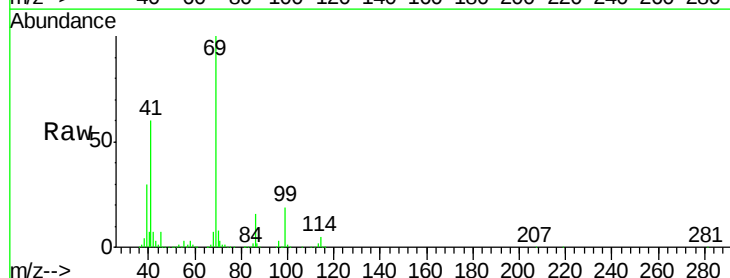
Manual Integrations
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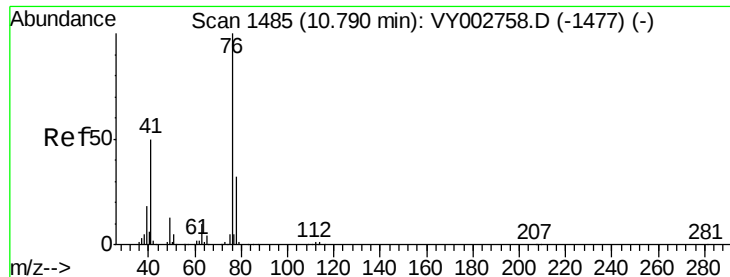
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 113.372 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion:	69	Resp:	335924
Ion	Ratio	Lower	Upper
69	100		
41	58.8	47.0	70.4
39	28.1	22.0	33.0





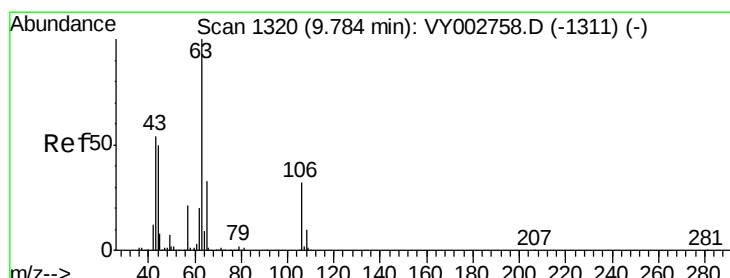
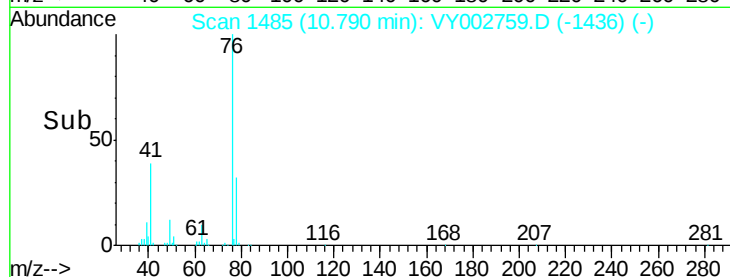
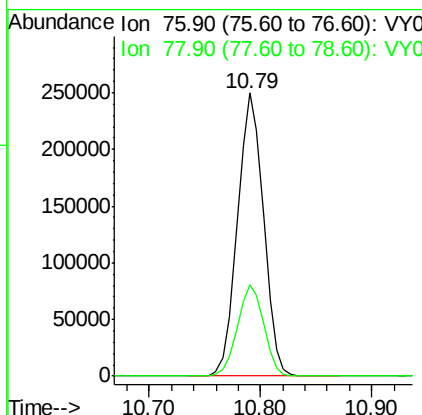
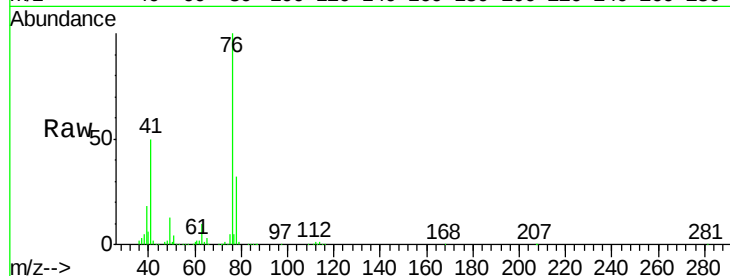
#57
 1,3-Dichloropropane
 Concen: 108.507 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 403182
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

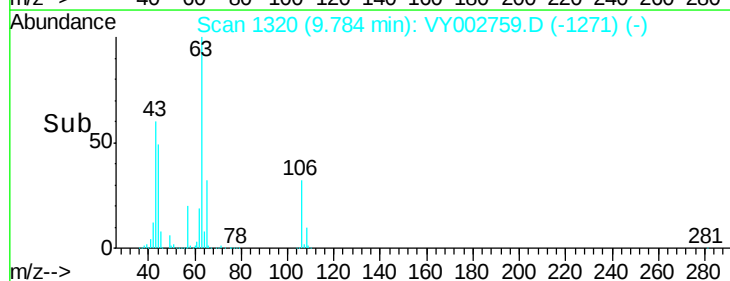
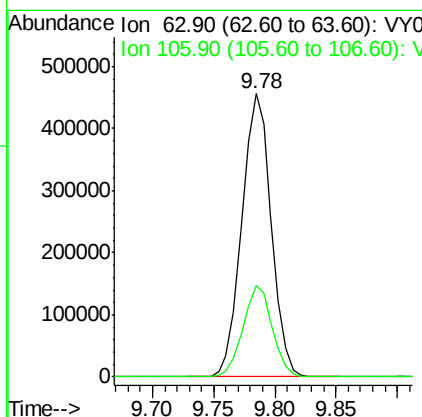
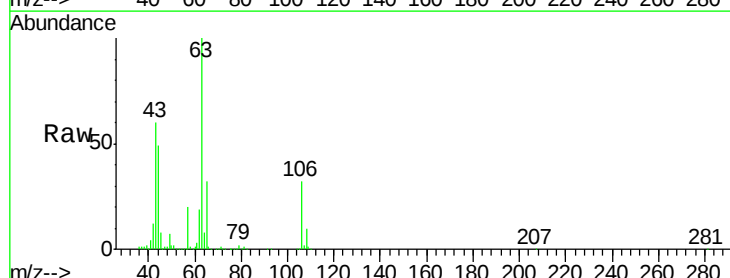
Manual Integrations
 APPROVED

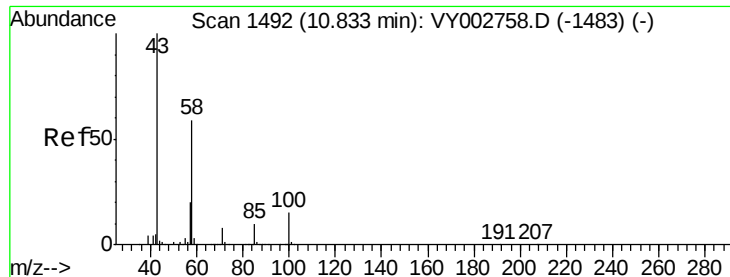
MMDadoda
 5/28/2020 2:08:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 522.026 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion: 63 Resp: 759579
 Ion Ratio Lower Upper
 63 100
 106 32.1 25.4 38.2





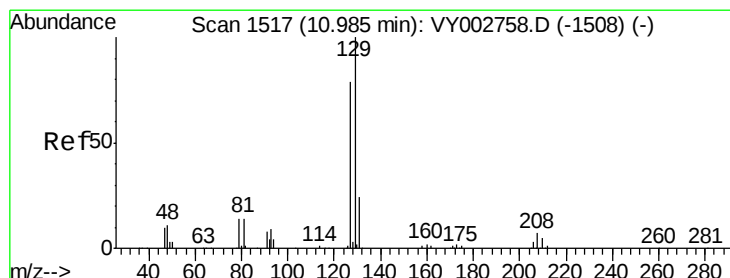
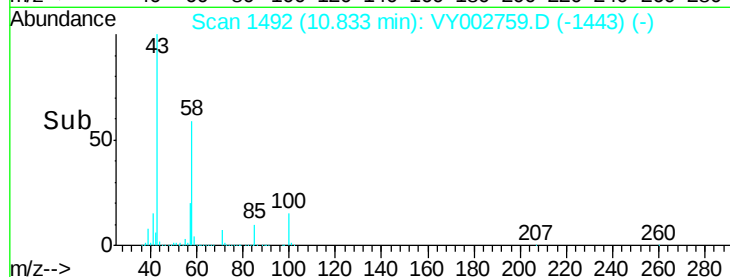
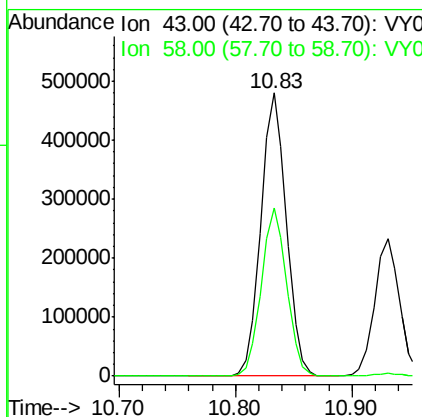
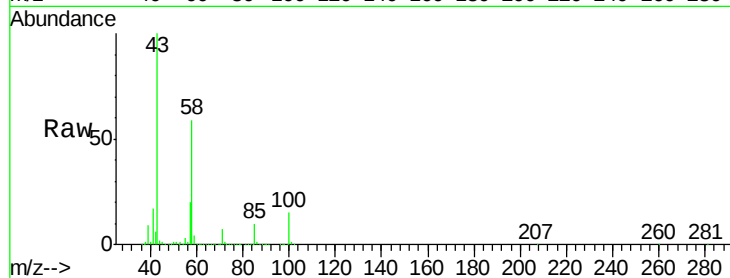
#59
2-Hexanone
Concen: 570.446 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.1	29.5	88.5

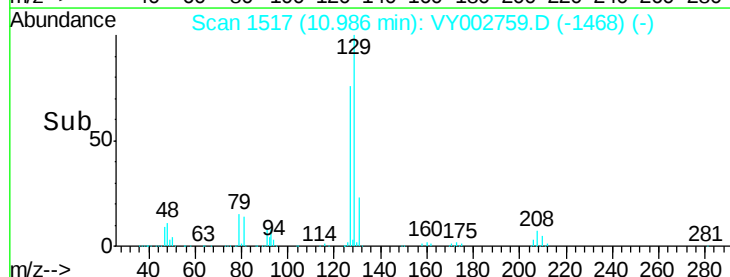
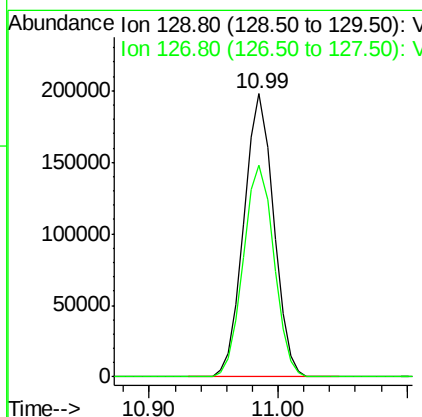
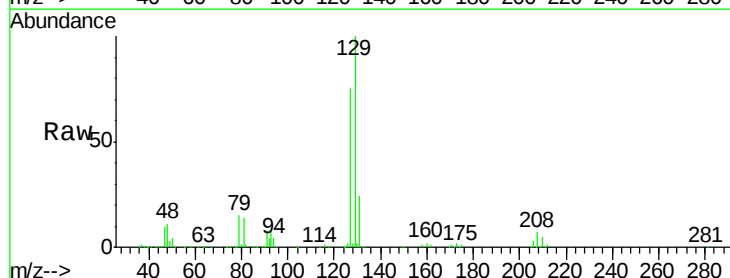
Manual Integrations
APPROVED

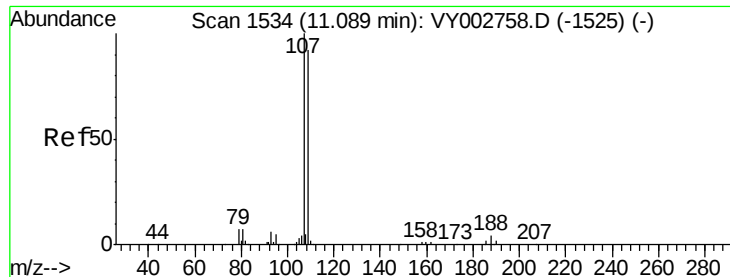
MMDadoda
5/28/2020 2:08:39 PM



#60
Dibromochloromethane
Concen: 111.405 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3





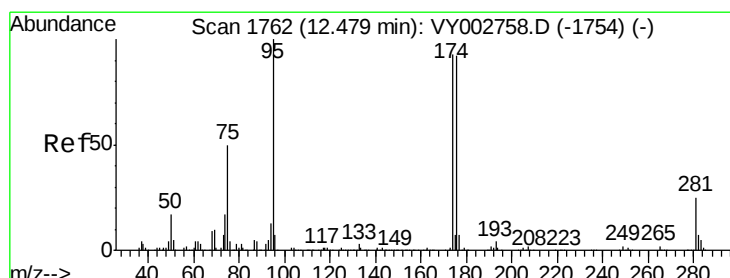
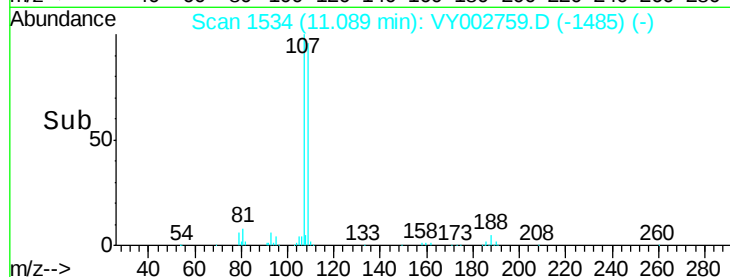
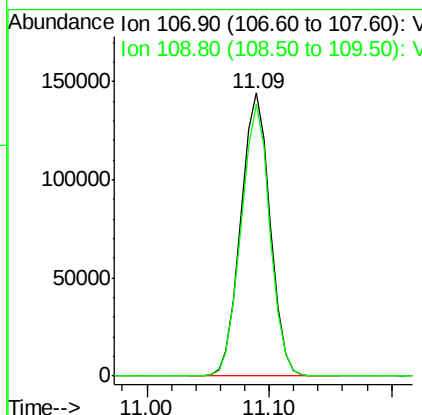
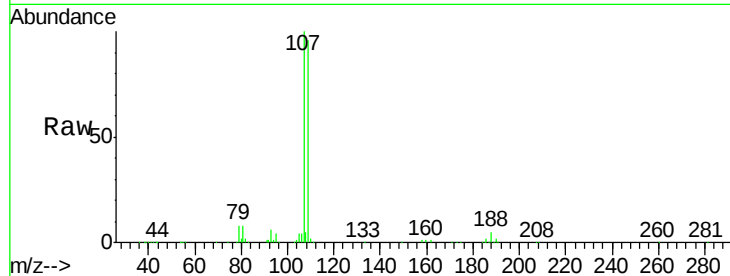
#61
 1,2-Dibromoethane
 Concen: 108.948 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.6	113.4

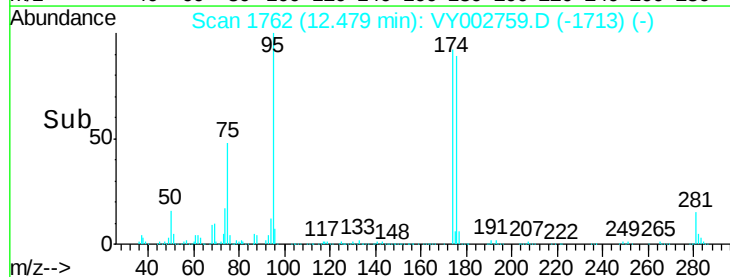
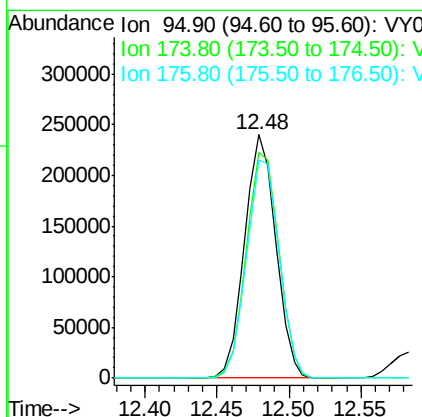
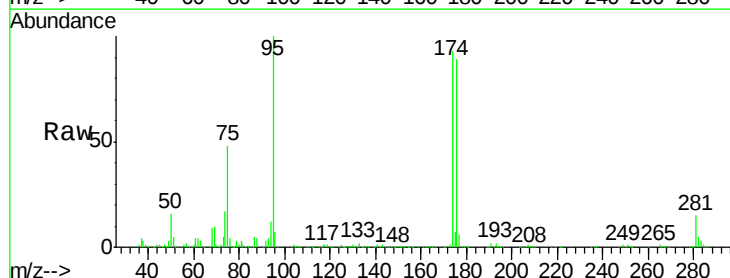
Manual Integrations
 APPROVED

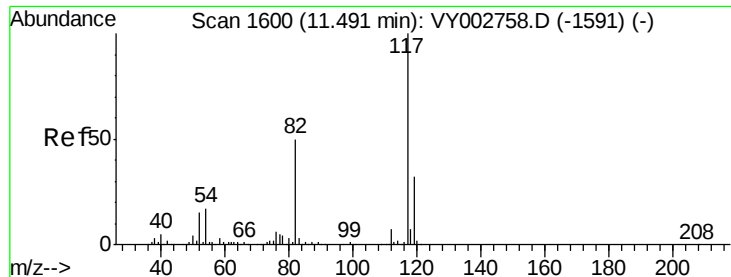
MMDadoda
 5/28/2020 2:08:39 PM



#62
 4-Bromofluorobenzene
 Concen: 103.798 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	191.2
176	93.3	0.0	188.8





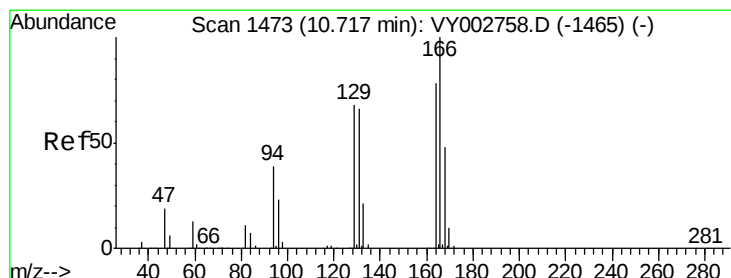
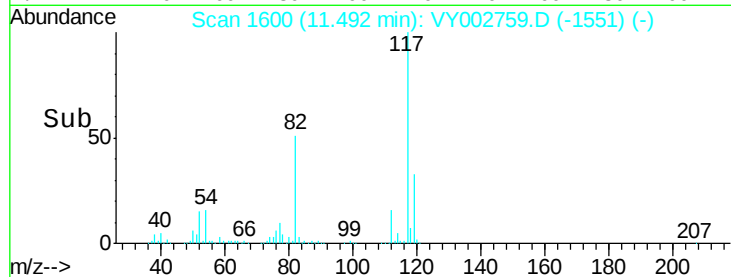
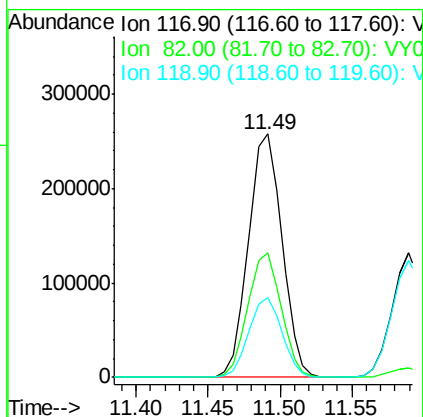
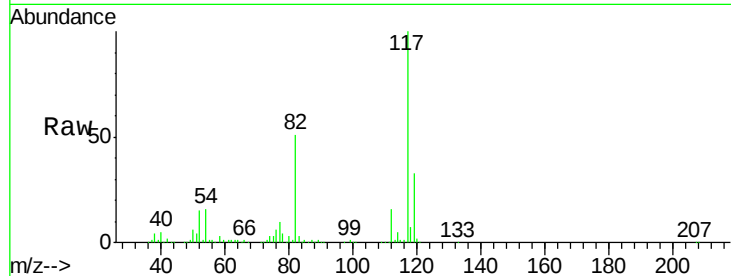
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415851		
82	51.0		40.2	60.4
119	32.6		25.8	38.8

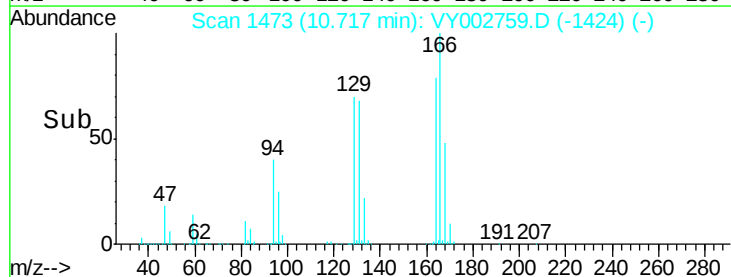
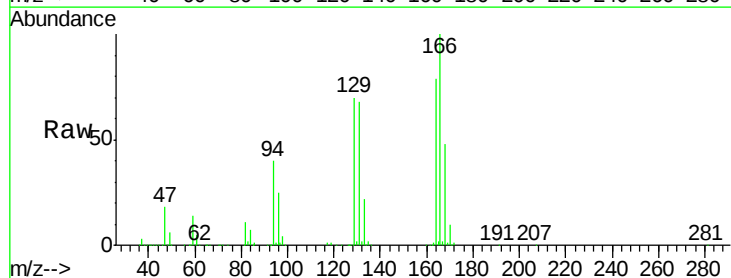
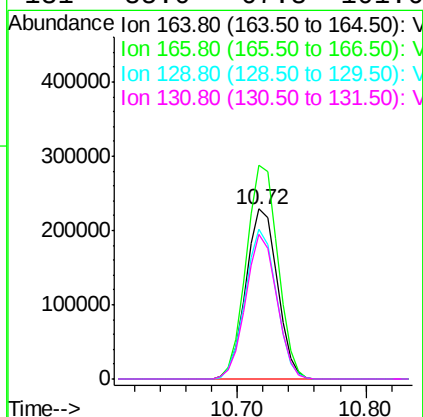
Manual Integrations
APPROVED

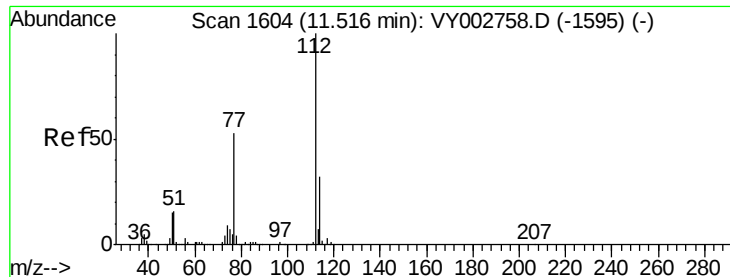
MMDadoda
5/28/2020 2:08:39 PM



#64
Tetrachloroethene
Concen: 98.736 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	385177		
166	125.8		102.3	153.5
129	88.4		69.4	104.2
131	85.0		67.8	101.6





#65

Chlorobenzene

Concen: 104.891 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 842462

Ion Ratio Lower Upper

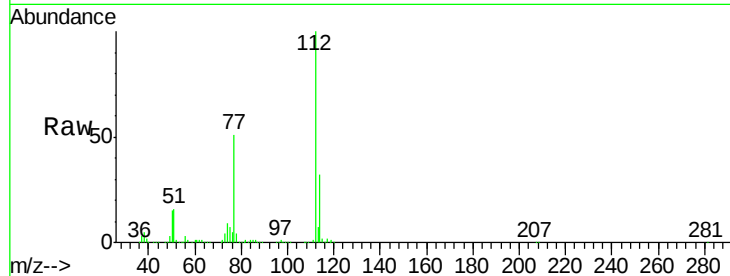
112 100

114 31.7 25.7 38.5

Manual Integrations
APPROVED

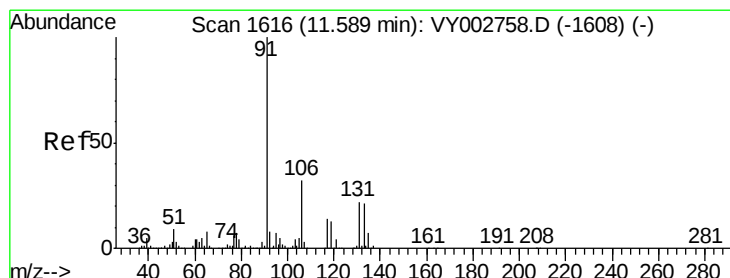
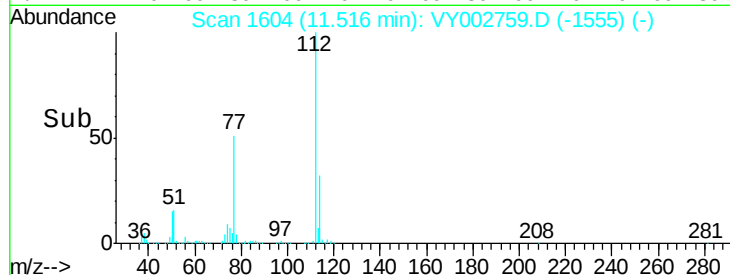
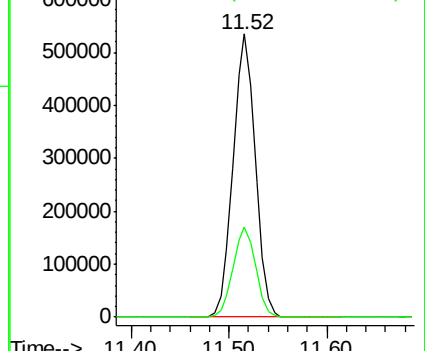
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 108.062 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

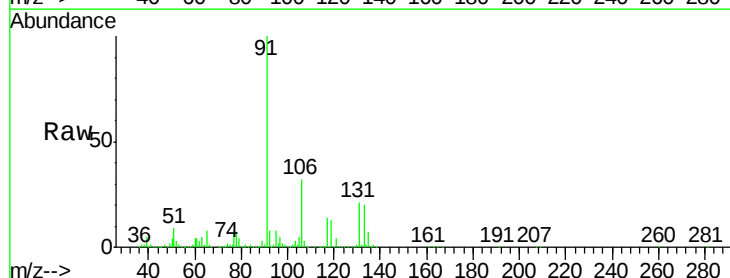
Tgt Ion:131 Resp: 323335

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

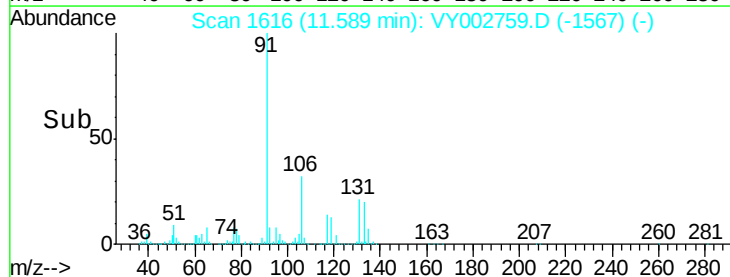
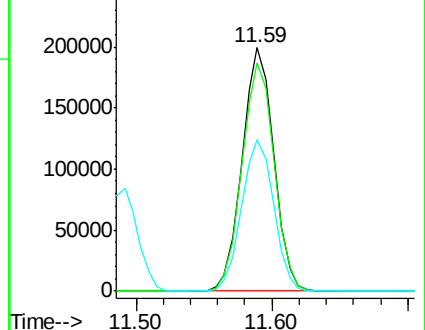
119 63.2 31.7 95.1

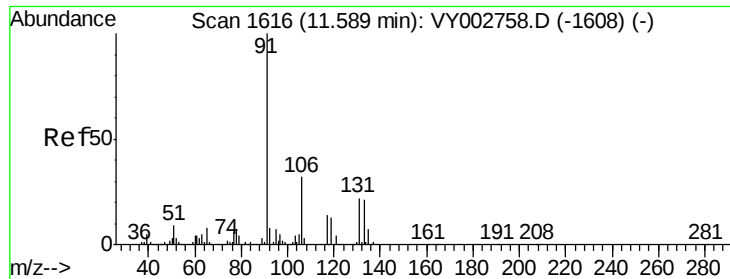


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





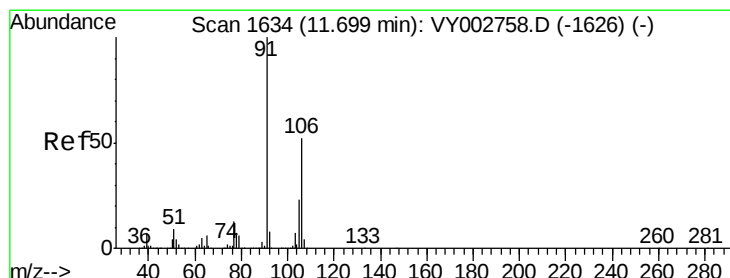
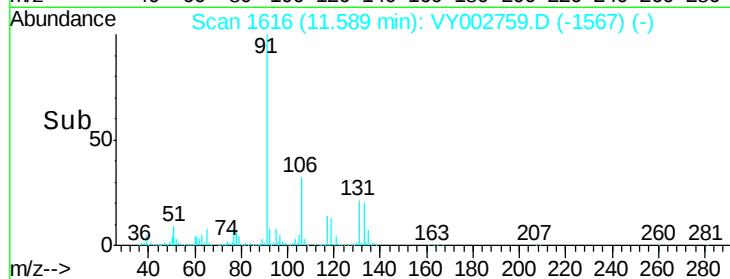
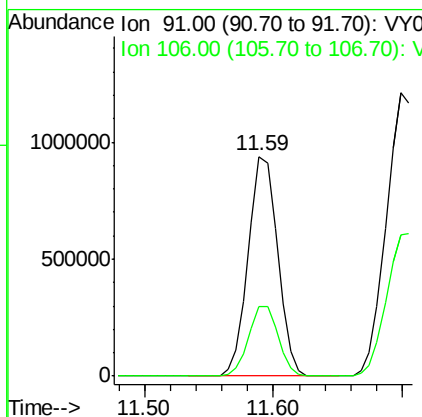
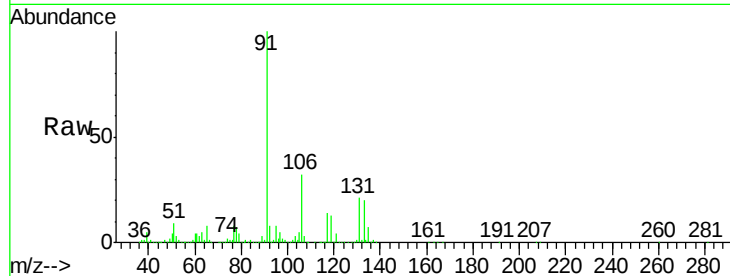
#67
Ethyl Benzene
Concen: 105.188 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1479744
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

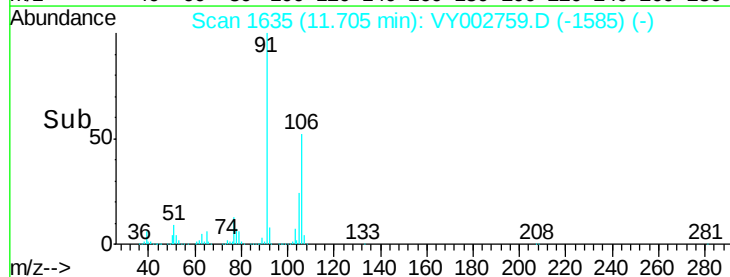
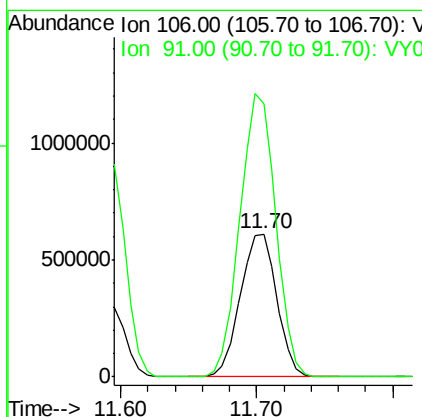
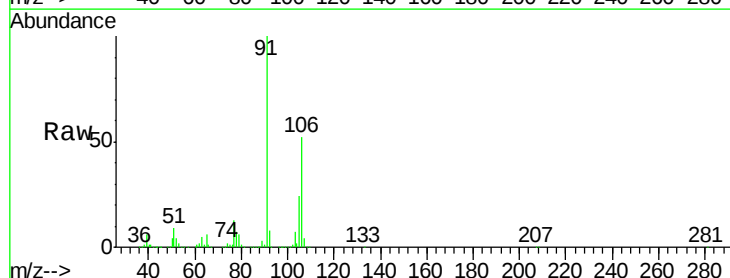
Manual Integrations
APPROVED

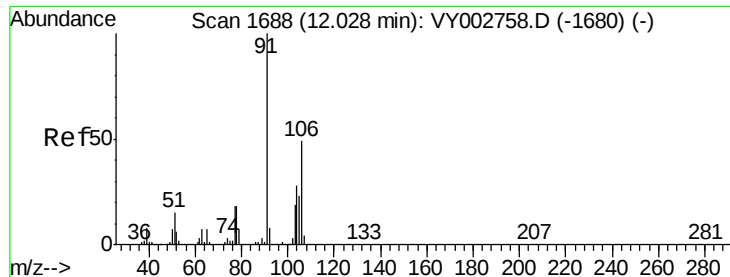
MMDadoda
5/28/2020 2:08:39 PM



#68
m/p-Xylenes
Concen: 209.370 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion: 106 Resp: 1146147
Ion Ratio Lower Upper
106 100
91 194.4 156.0 234.0





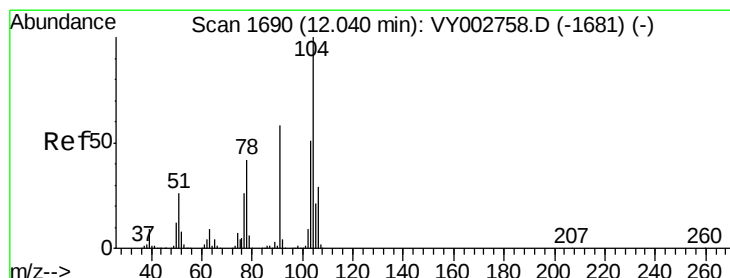
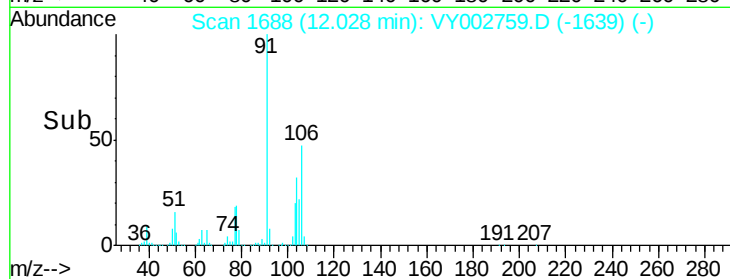
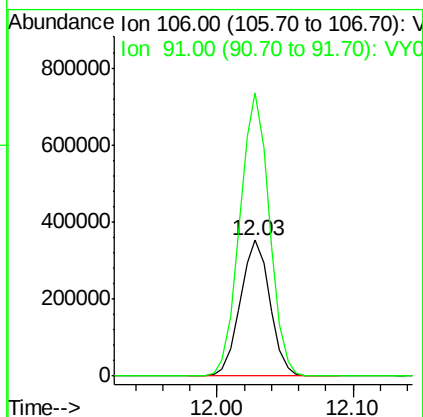
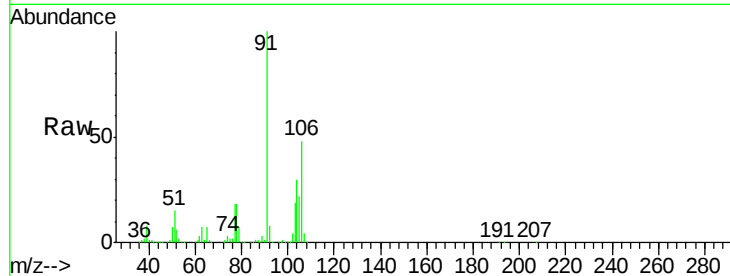
#69
o-Xylene
Concen: 104.226 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	102.4	307.1	

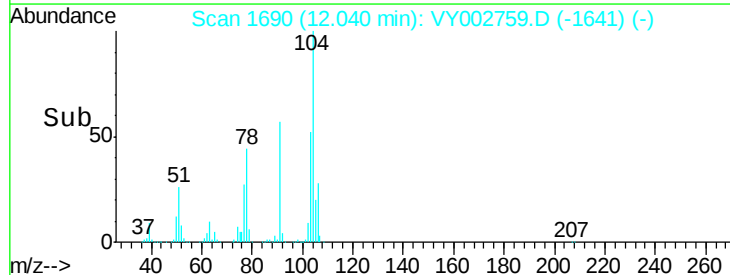
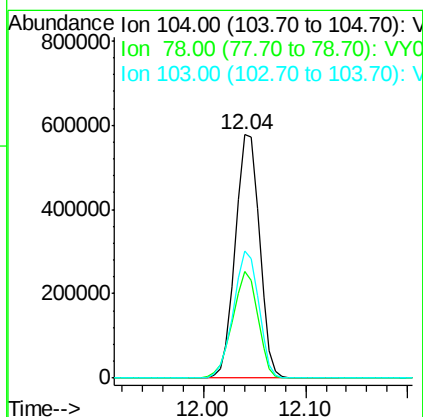
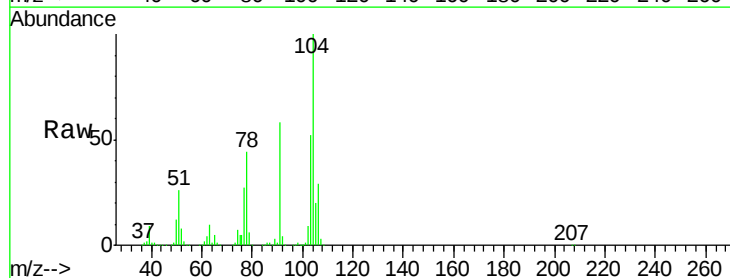
Manual Integrations
APPROVED

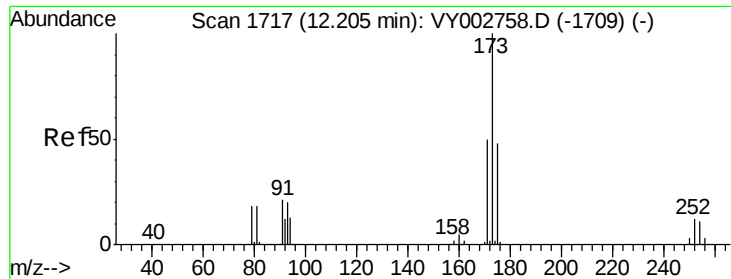
MMDadoda
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#70
Styrene
Concen: 106.588 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.0	36.2	54.4	
103	54.6	43.6	65.4	





#71

Bromoform

Concen: 113.519 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 211832

Ion Ratio Lower Upper

173 100

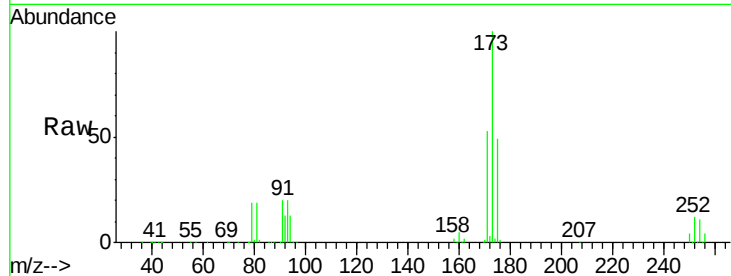
175 49.1 24.3 72.8

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

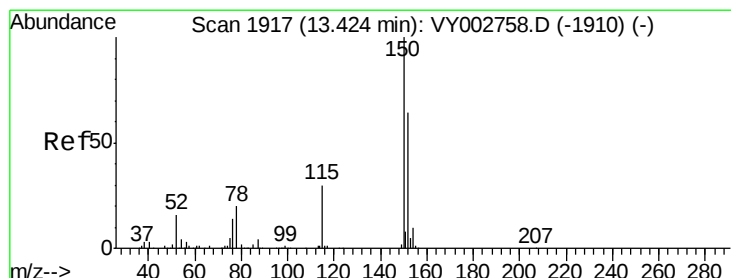
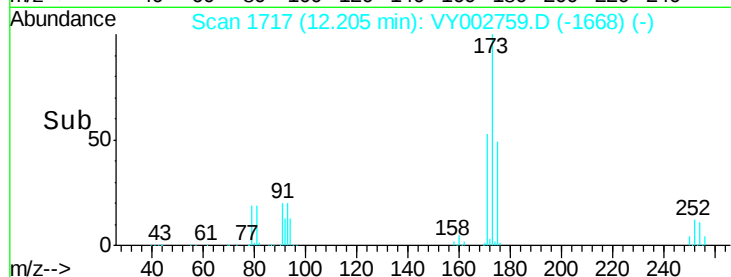
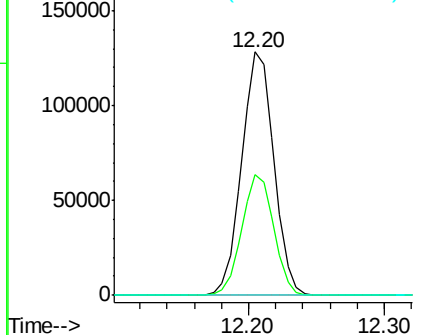
5/28/2020 2:08:39 PM



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: VY002759.D

Acq: 27 May 2020 12:37

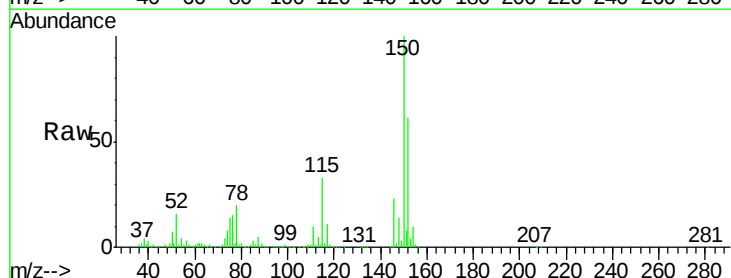
Tgt Ion:152 Resp: 220432

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

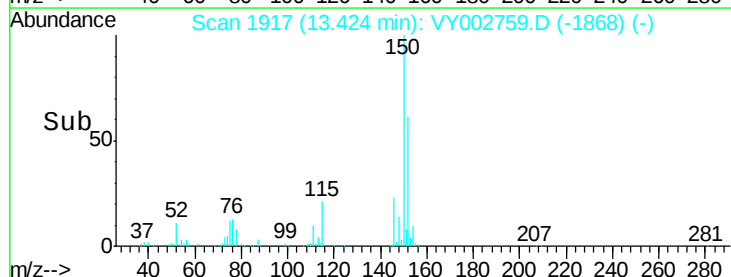
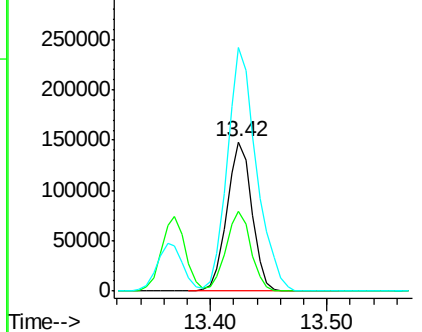
150 190.2 0.0 344.8

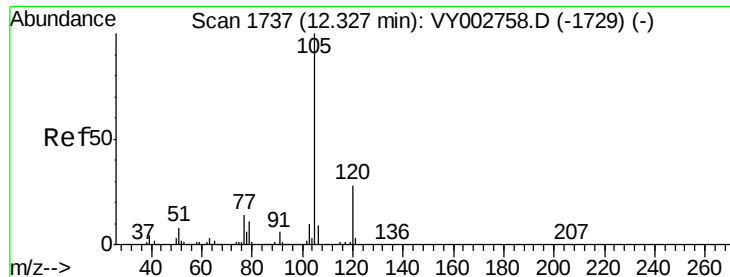


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 103.198 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1476485

Ion Ratio Lower Upper

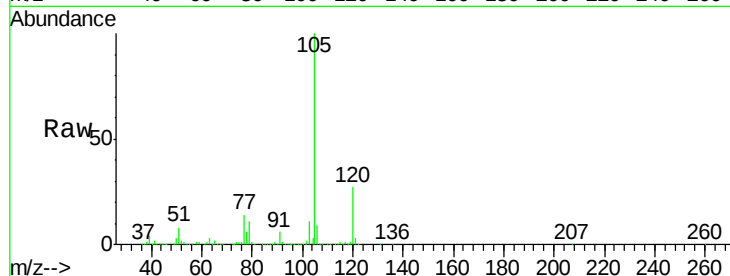
105 100

120 27.4 13.7 41.1

Manual Integrations
APPROVED

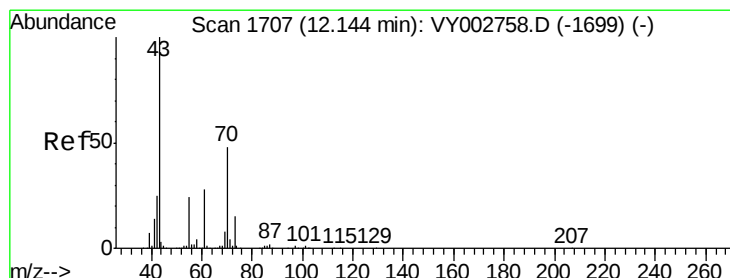
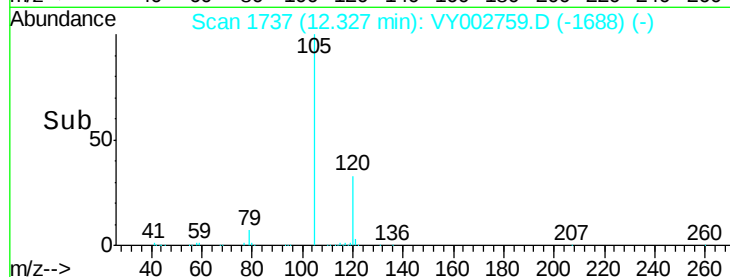
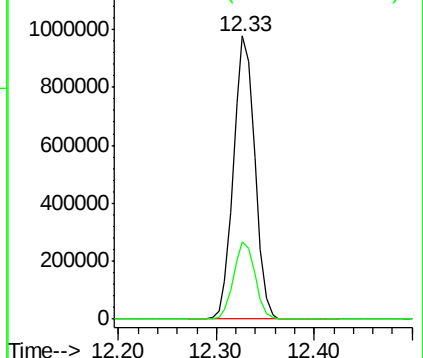
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 110.241 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion: 43 Resp: 375315

Ion Ratio Lower Upper

43 100

70 47.4 37.7 56.5

55 23.8 19.8 29.6

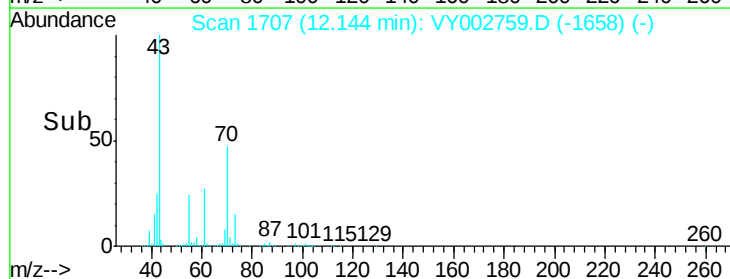
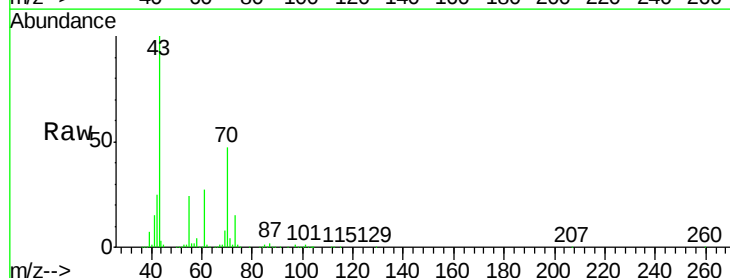
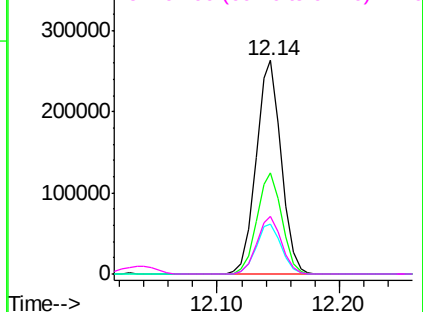
61 26.5 21.7 32.5

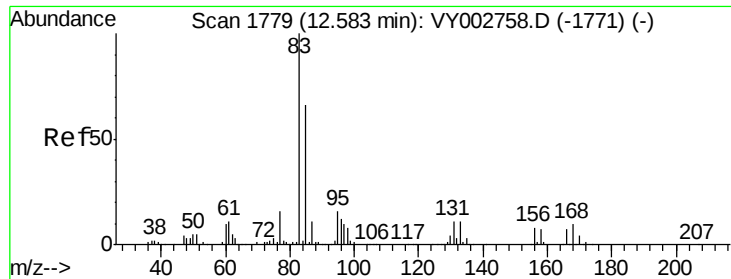
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 114.516 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

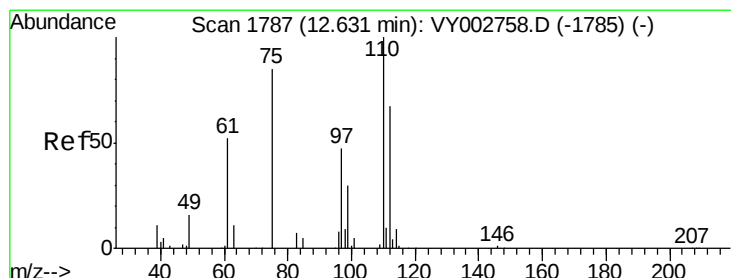
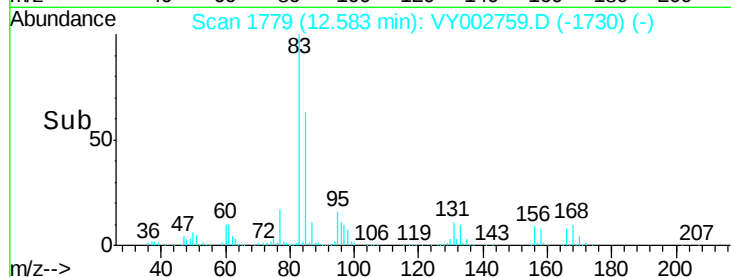
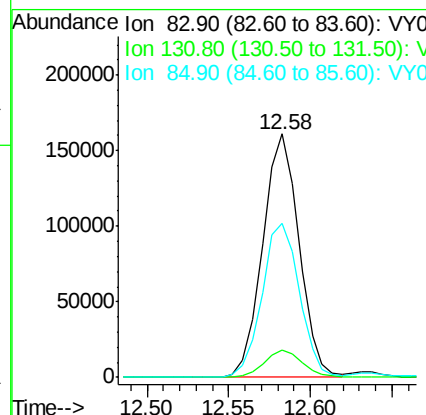
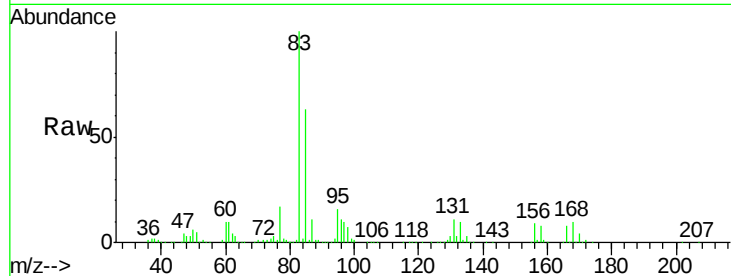
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	248743
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.4
85	65.1	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 107.423 ug/l m

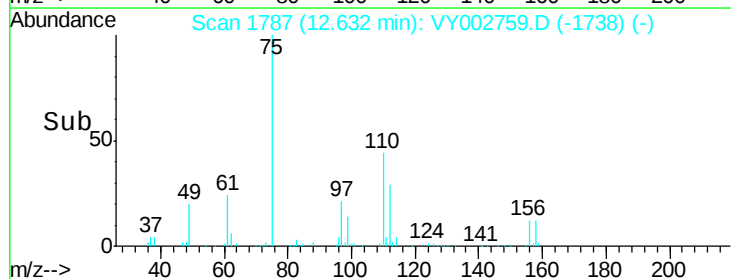
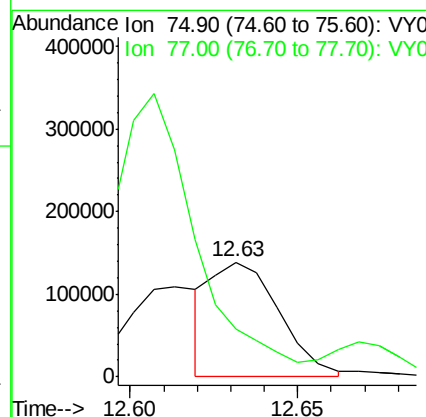
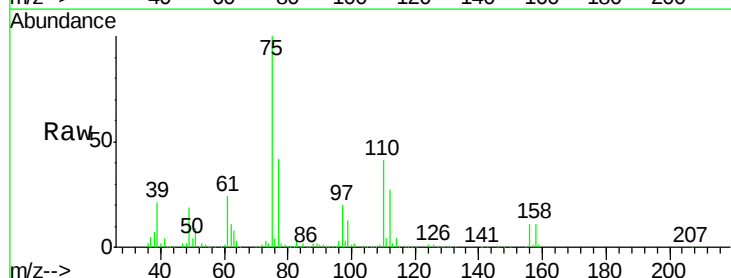
RT: 12.63 min Scan# 1787

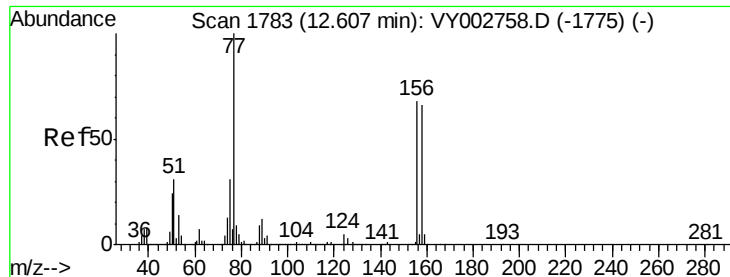
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	75	Resp:	195913
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





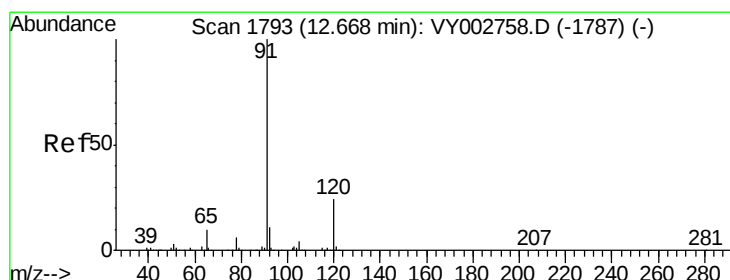
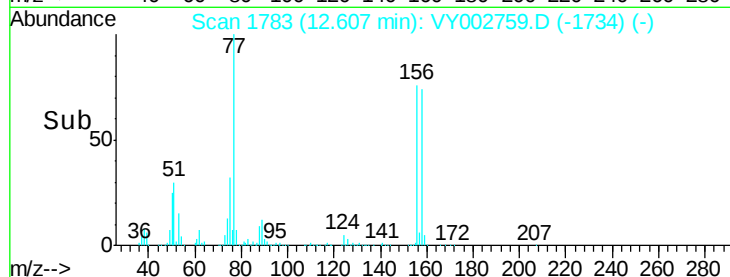
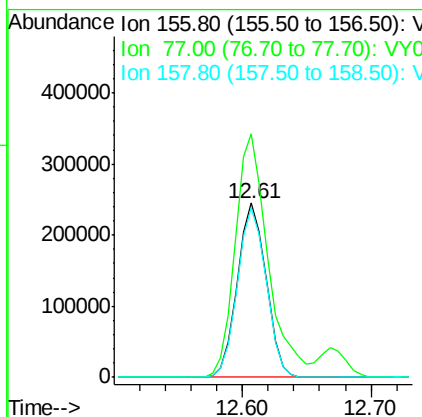
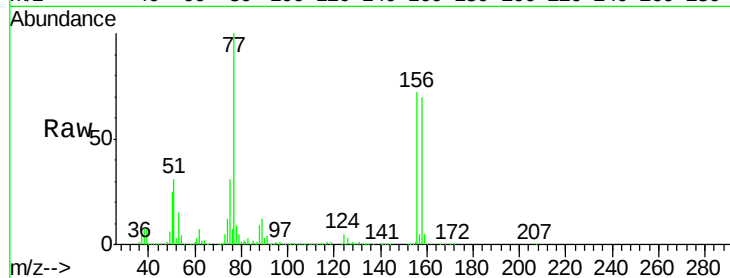
#77
Bromobenzene
Concen: 105.146 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.5	81.4	244.2
158	97.3	48.5	145.6

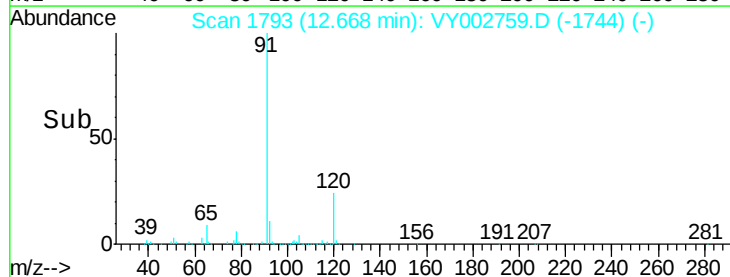
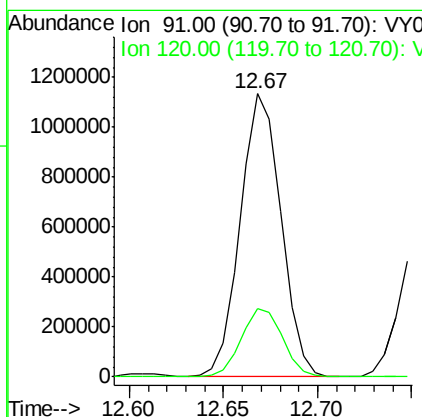
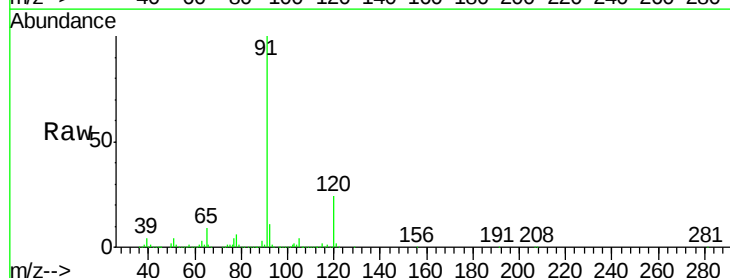
Manual Integrations
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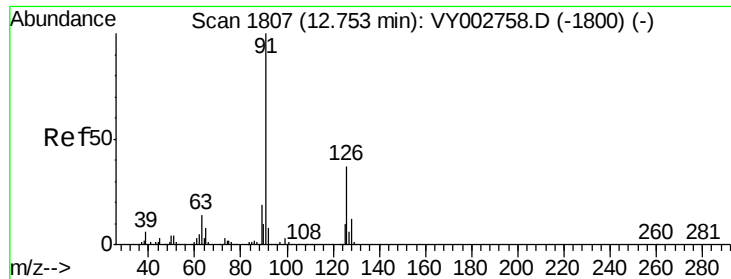
MMDadoda
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#78
n-propylbenzene
Concen: 102.047 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 102.395 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 946265

Ion Ratio Lower Upper

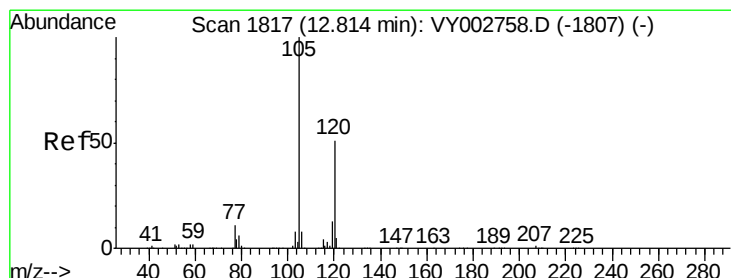
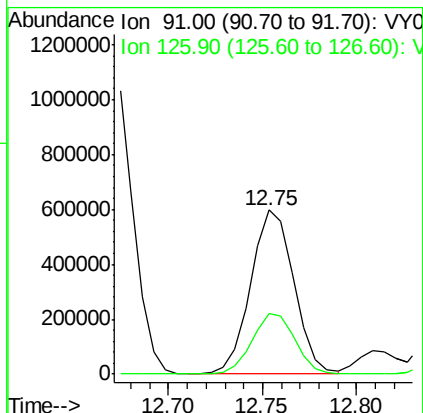
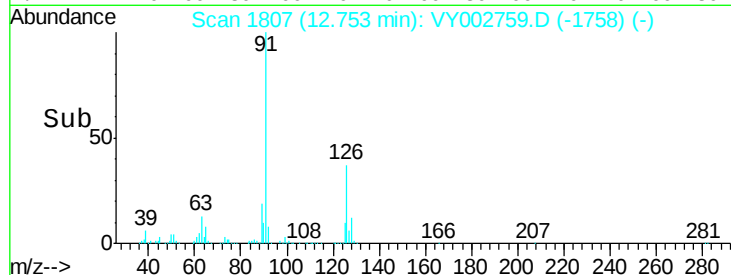
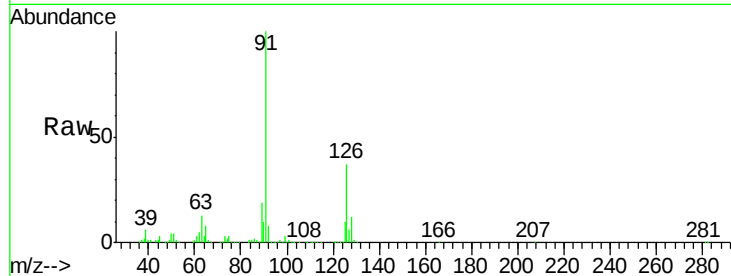
91 100

126 37.1 18.4 55.4

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#80

1,3,5-Trimethylbenzene

Concen: 102.655 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002759.D

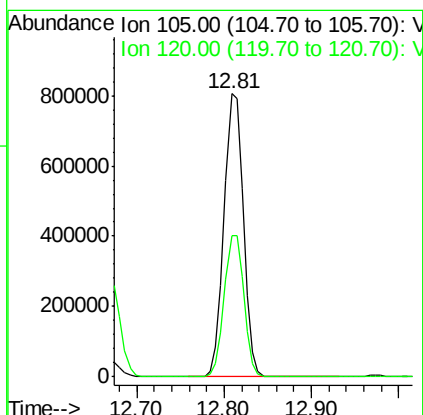
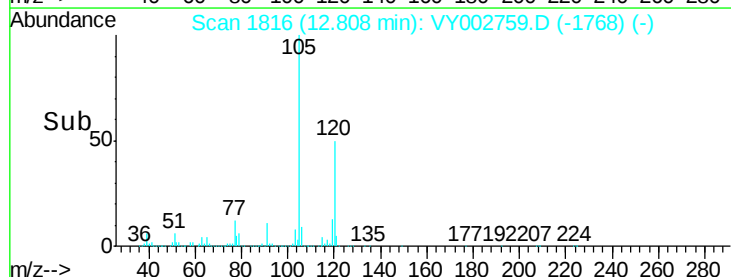
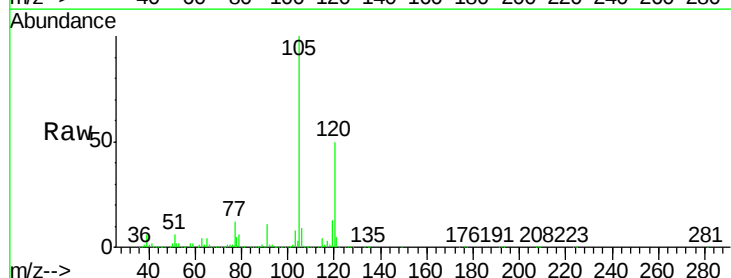
Acq: 27 May 2020 12:37

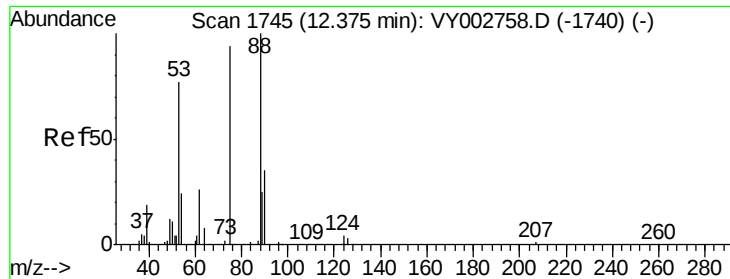
Tgt Ion: 105 Resp: 1234243

Ion Ratio Lower Upper

105 100

120 50.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 109.804 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Instrument :

MSVOA_Y

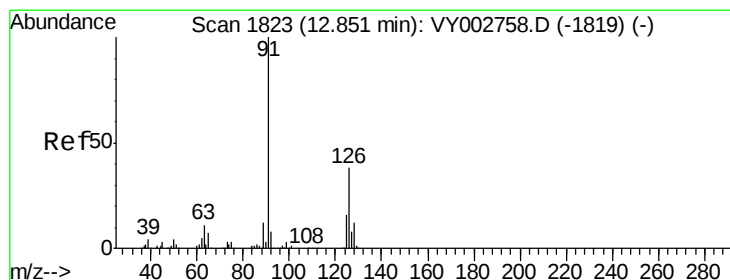
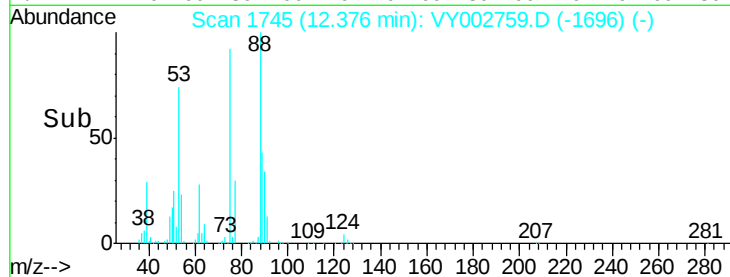
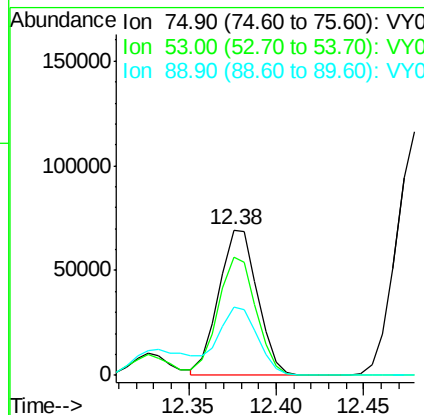
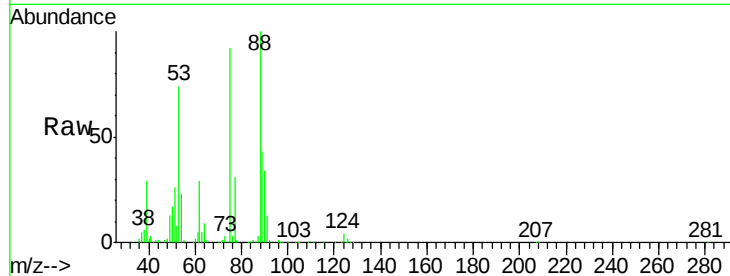
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	106802
Ion Ratio	Lower	Upper	
75	100		
53	80.7	64.0	96.0
89	46.7	37.4	56.2

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#82

4-Chlorotoluene

Concen: 102.029 ug/l

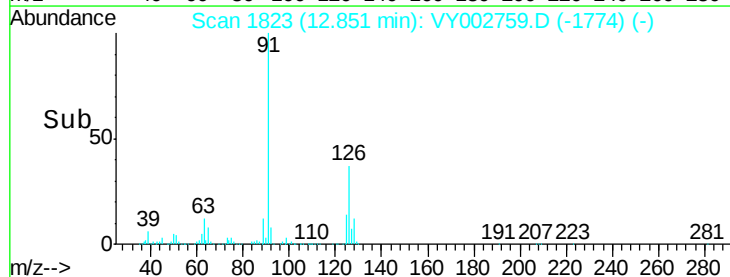
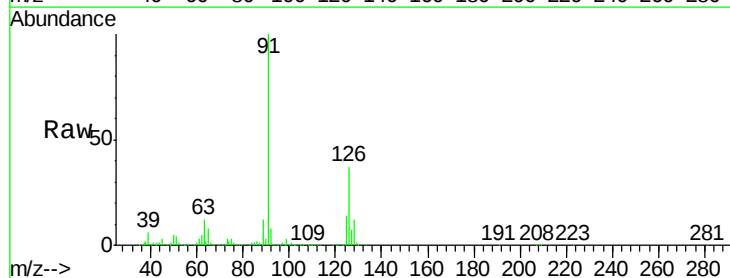
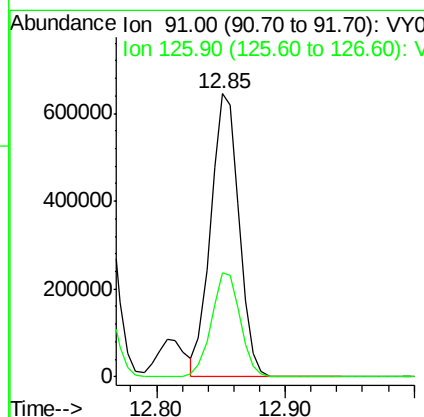
RT: 12.85 min Scan# 1823

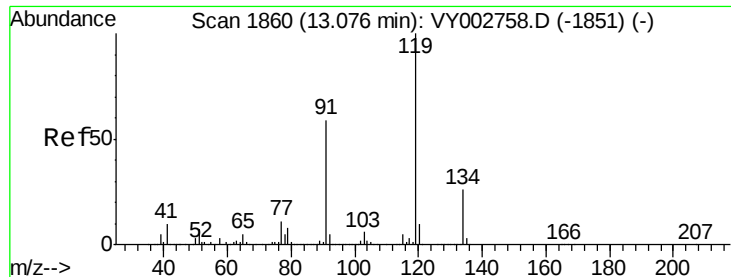
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion:	91	Resp:	990726
Ion Ratio	Lower	Upper	
91	100		
126	37.3	18.5	55.5





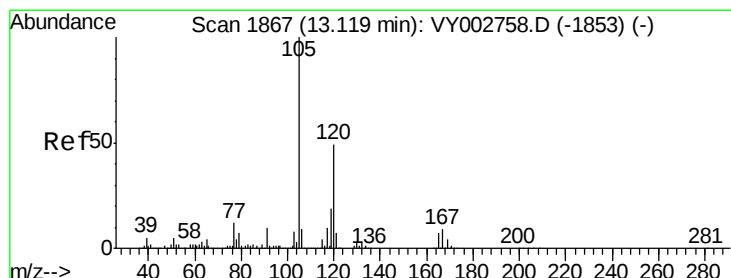
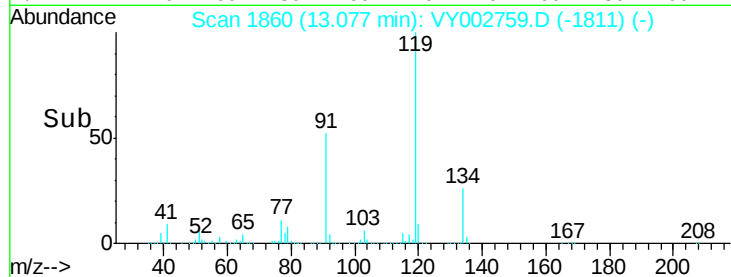
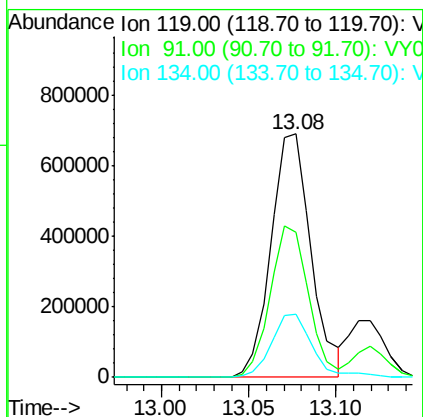
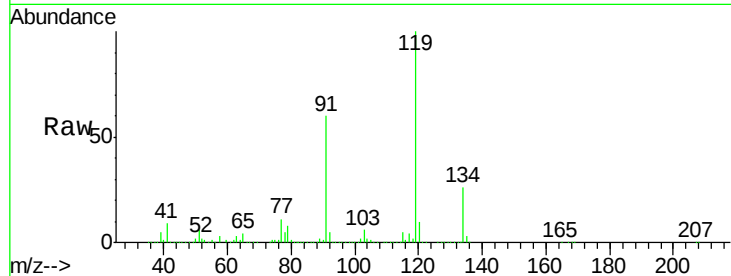
#83
tert-Butylbenzene
Concen: 103.121 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.8	89.4
134	26.7	13.3	39.8

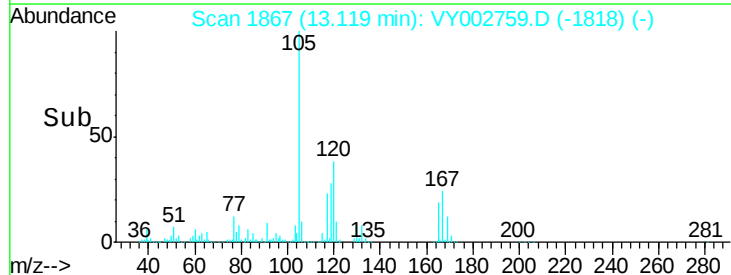
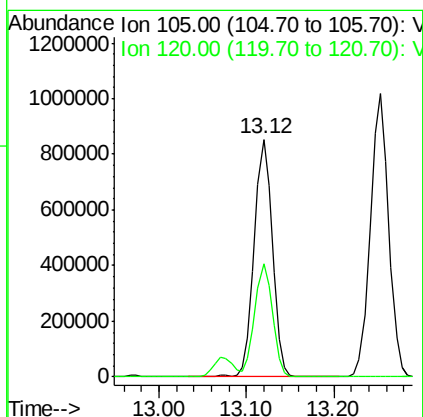
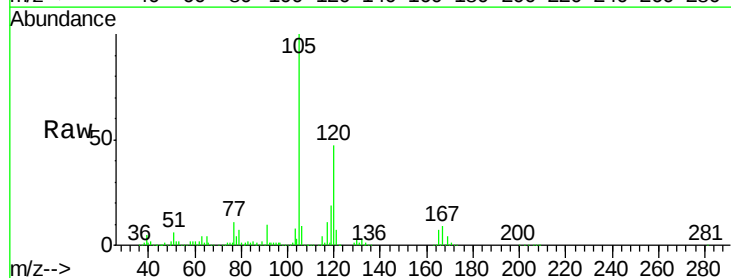
Manual Integrations
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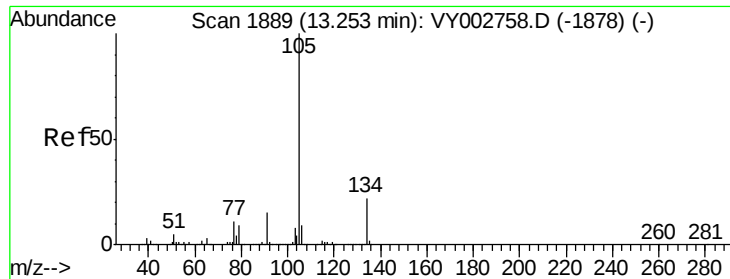
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#84
1,2,4-Trimethylbenzene
Concen: 102.416 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.6	70.8





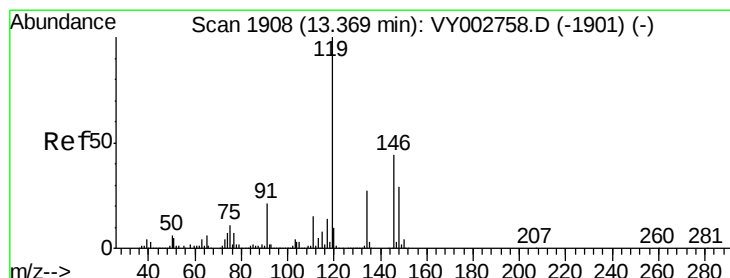
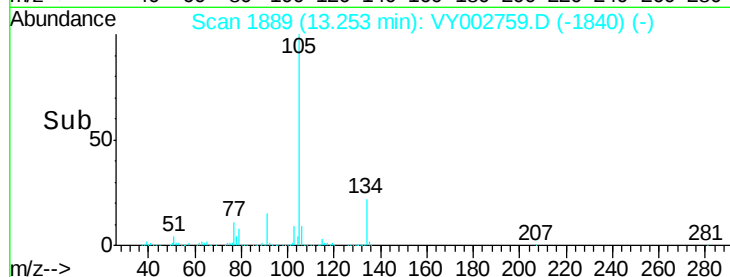
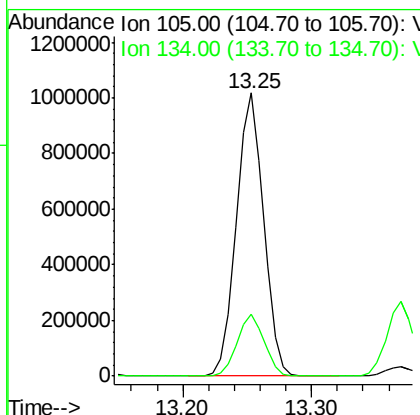
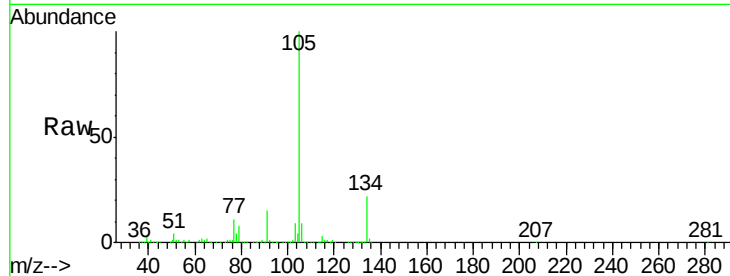
#85
 sec-Butylbenzene
 Concen: 101.550 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC100

Tot Ion:105 Resp: 1491386
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.4

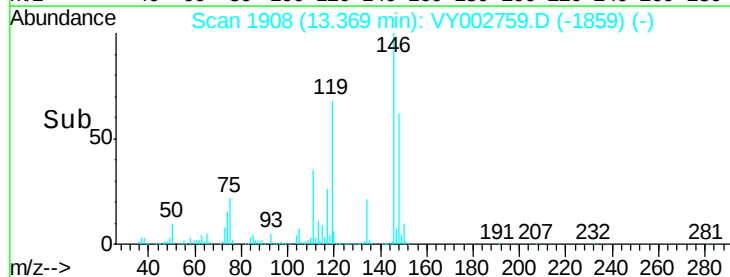
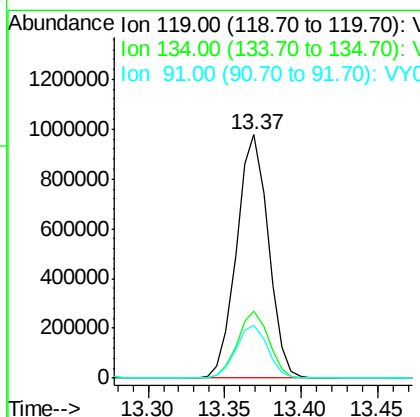
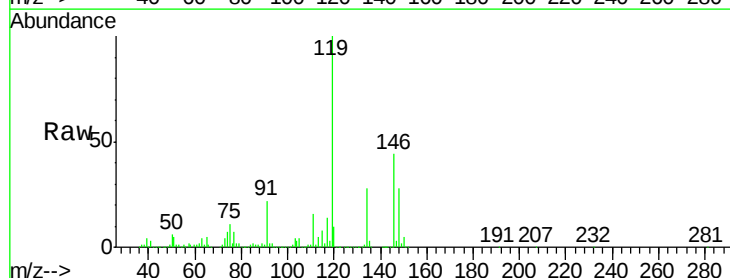
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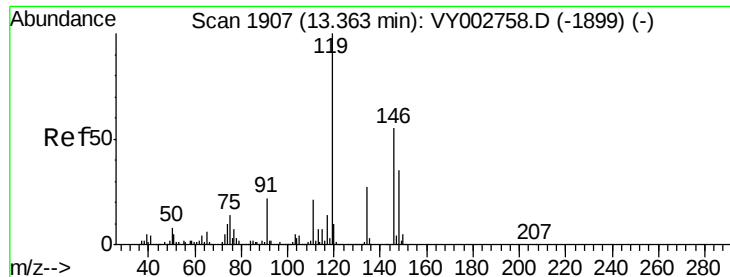
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#86
 p-Isopropyltoluene
 Concen: 102.121 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion:119 Resp: 1402010
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.7 41.0
 91 21.7 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 102.075 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

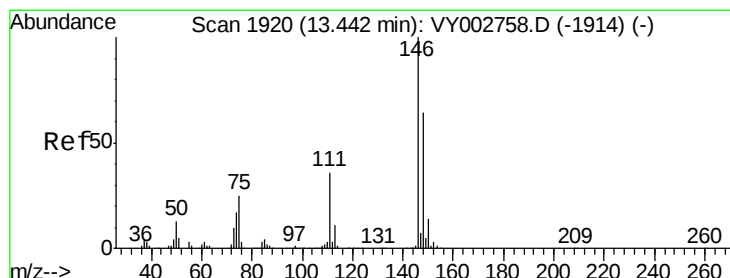
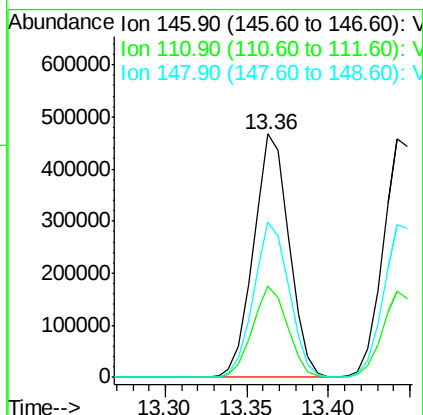
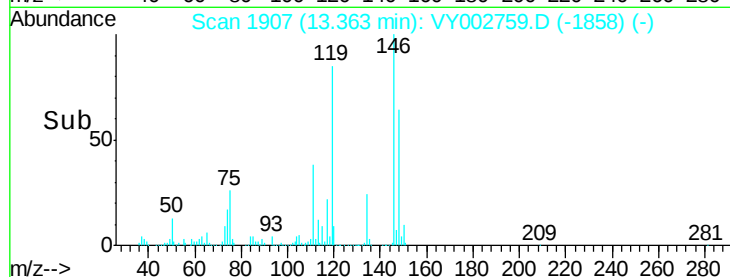
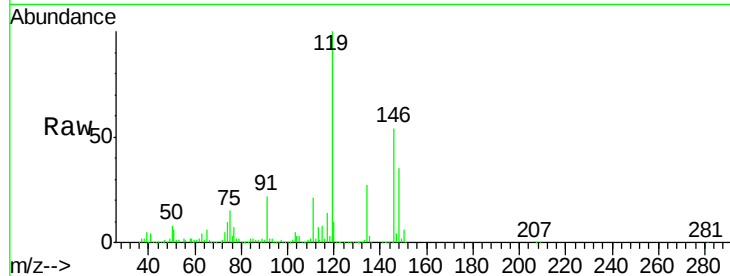
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.0
148	63.9	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 102.511 ug/l

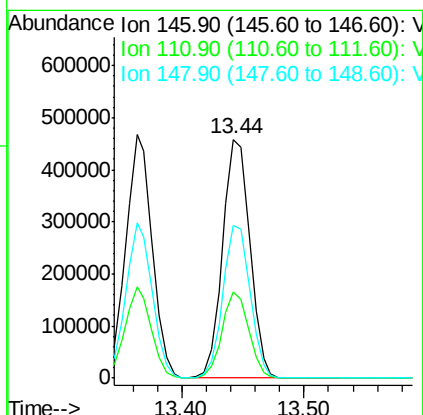
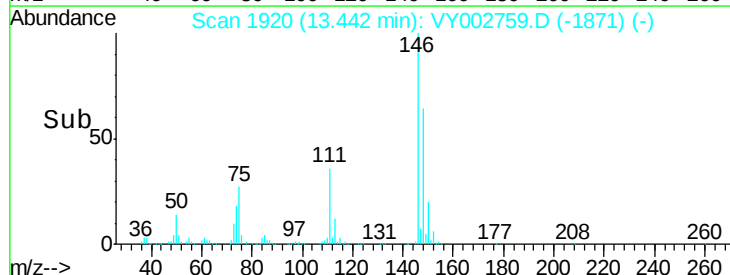
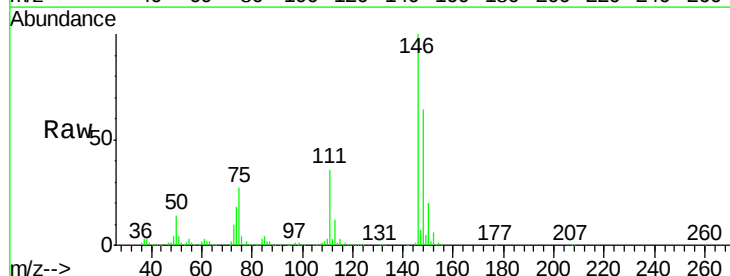
RT: 13.44 min Scan# 1920

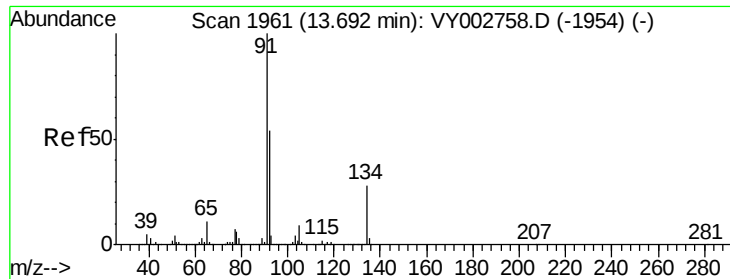
Delta R.T. 0.00 min

Lab File: VY002759.D

Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.3
148	63.8	32.1	96.3





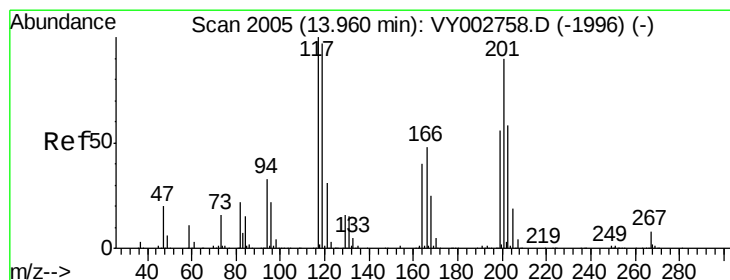
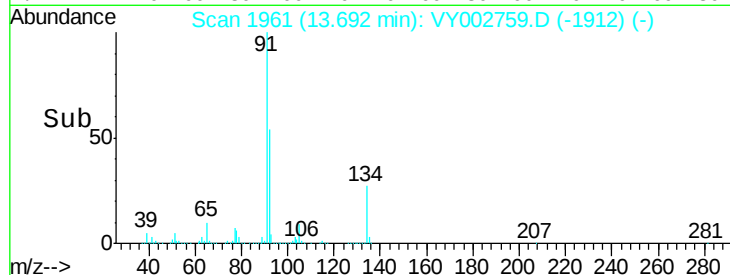
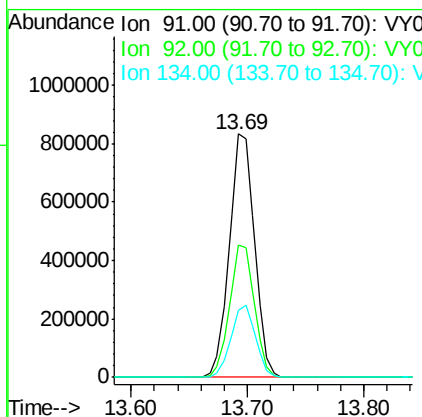
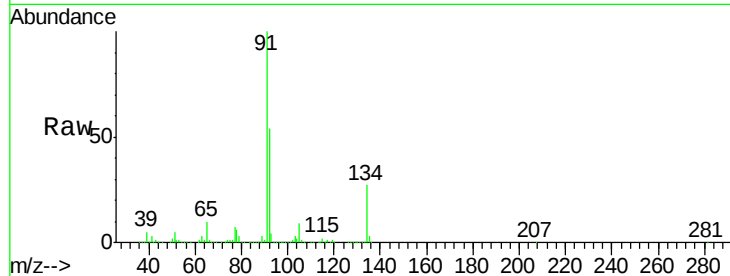
#89
n-Butylbenzene
Concen: 99.406 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	29.0	14.3	42.9

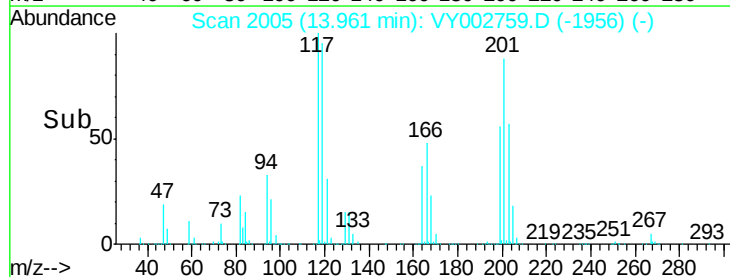
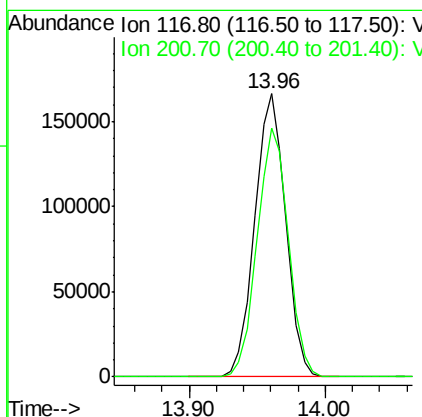
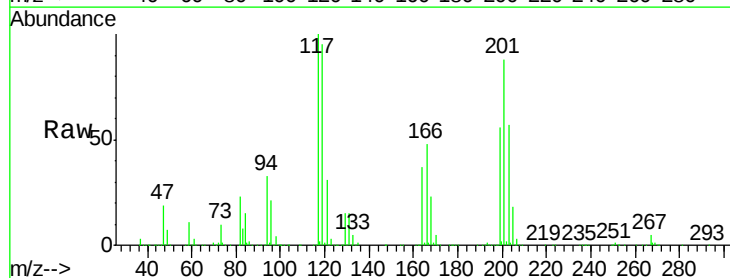
Manual Integrations
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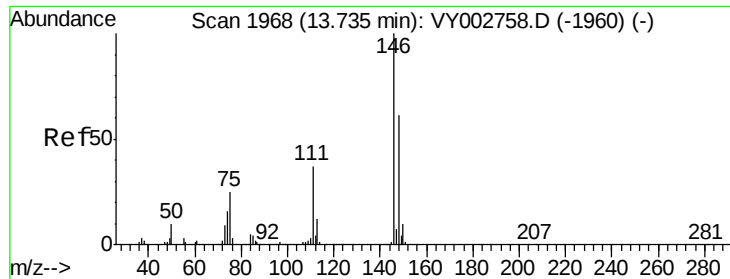
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#90
Hexachloroethane
Concen: 103.857 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.9	131.6





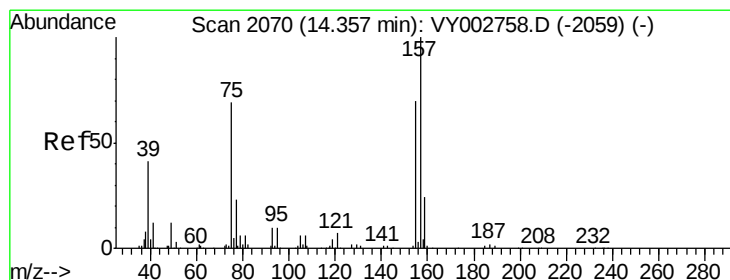
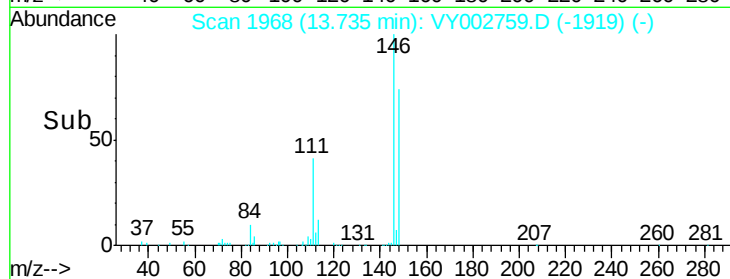
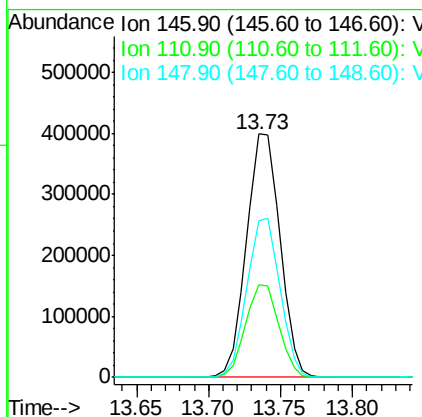
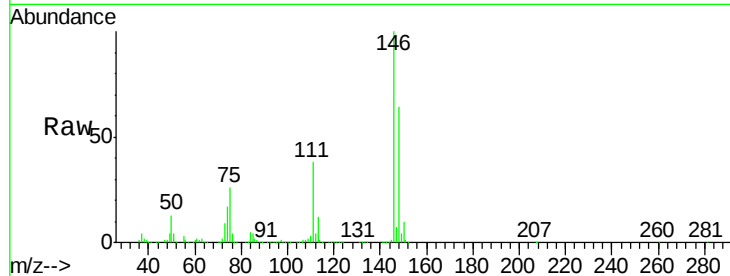
#91
 1,2-Dichlorobenzene
 Concen: 102.951 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.4	31.9	95.5

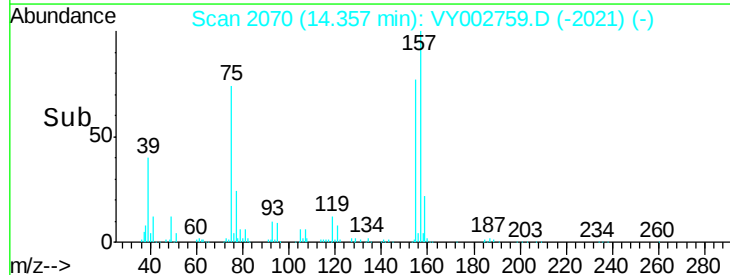
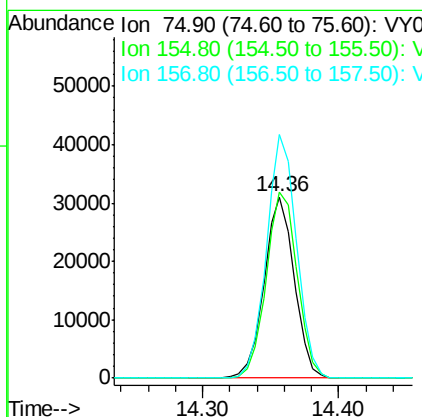
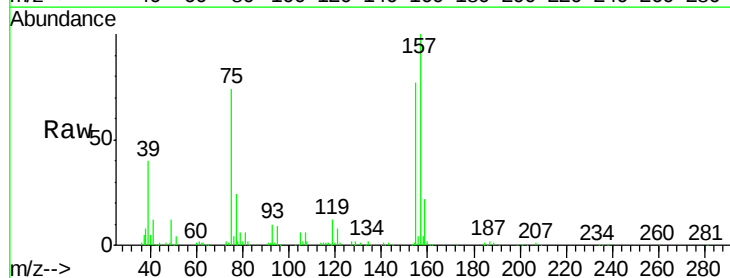
Manual Integrations
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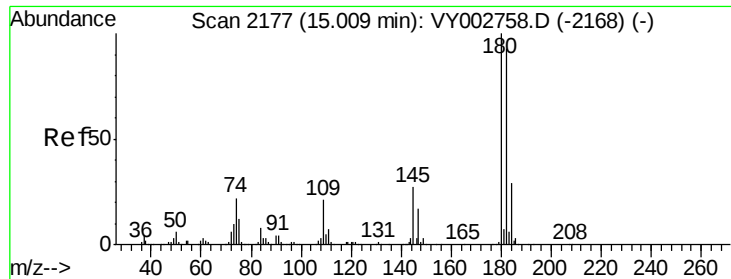
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.467 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.7	53.5	160.5
157	133.7	69.9	209.7





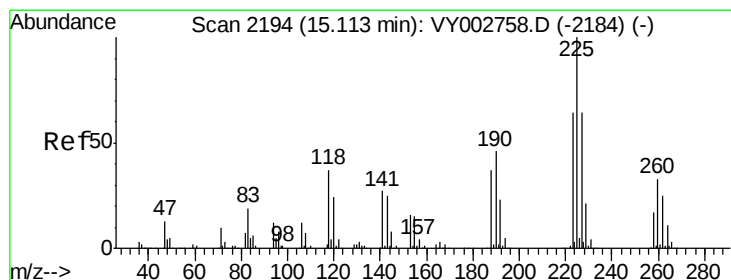
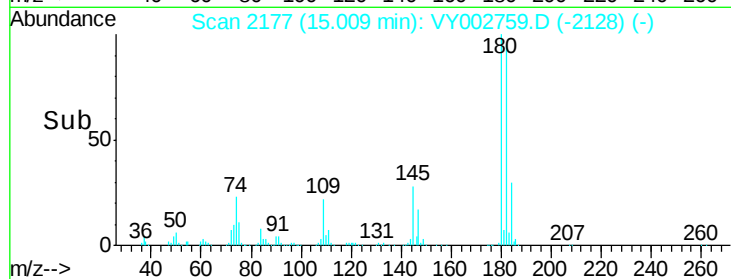
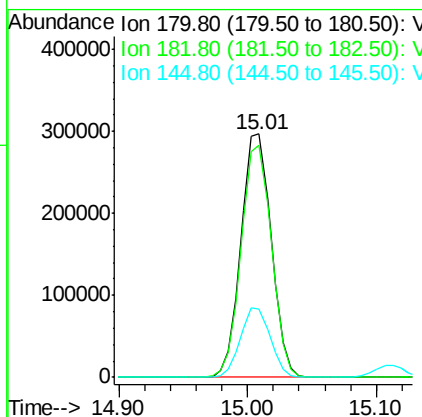
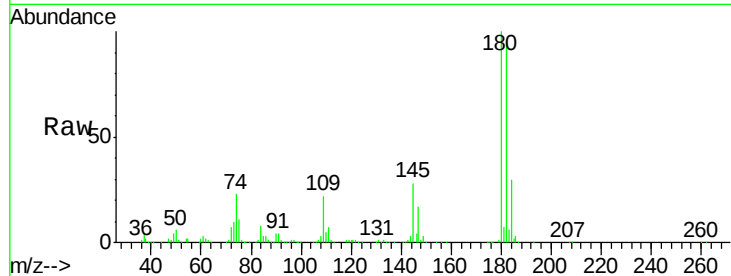
#93
 1,2,4-Trichlorobenzene
 Concen: 99.774 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	481977		
182	95.5	47.3	141.9	
145	28.4	14.1	42.3	

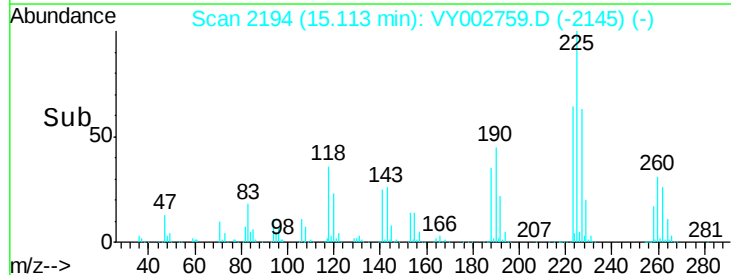
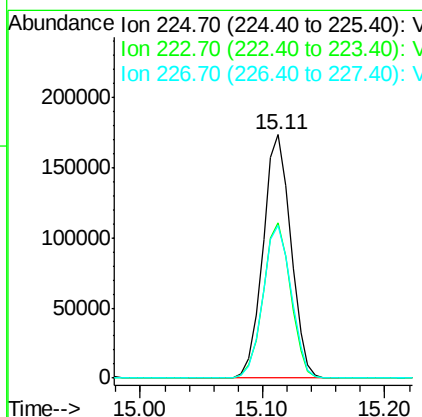
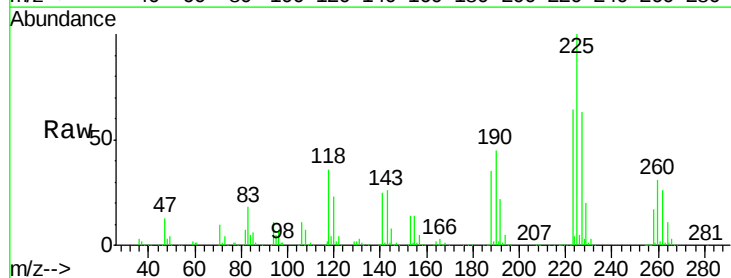
Manual Integrations
 APPROVED

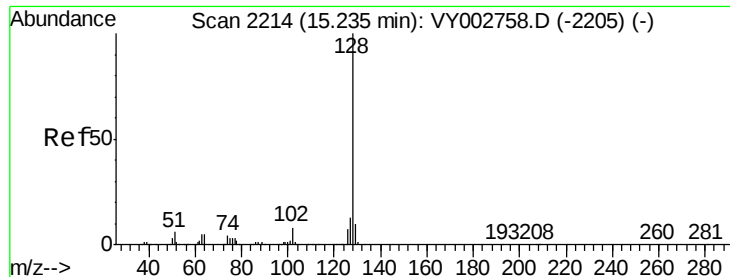
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#94
 Hexachlorobutadiene
 Concen: 94.696 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002759.D
 Acq: 27 May 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	274939		
223	63.0	31.6	95.0	
227	63.7	32.3	96.9	





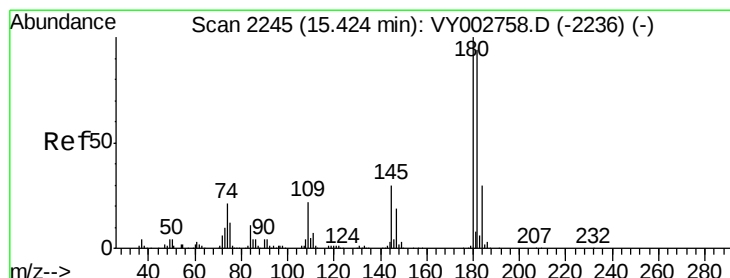
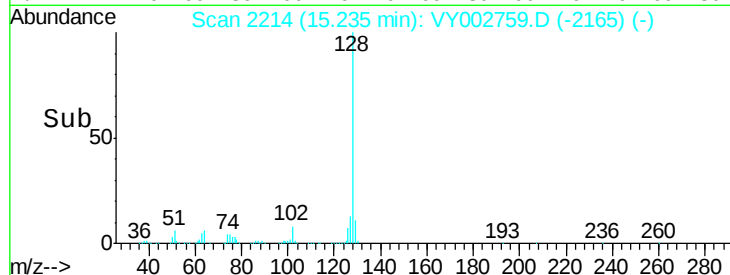
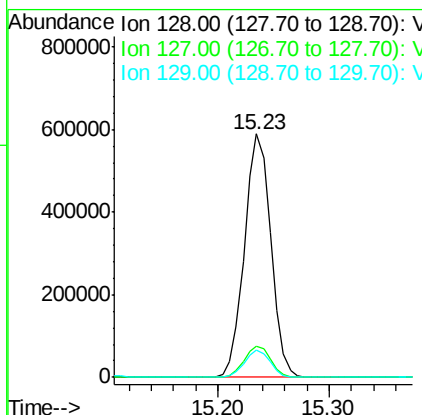
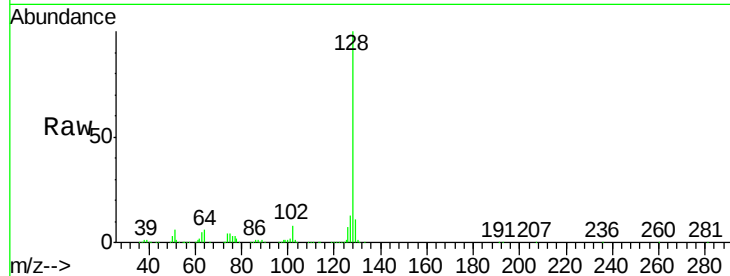
#95
Naphthalene
Concen: 110.522 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	967441
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 102.214 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002759.D
Acq: 27 May 2020 12:37

Tgt Ion:	180	Resp:	431044
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.4
145	29.9	15.1	45.3

