

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002758.D
 Acq On : 27 May 2020 12:14
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:37 PM

Quant Time: May 27 12:56:58 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	331572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	494320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	455182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	245384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	142892	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.73	113	146400	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.18	98	579634	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.48	95	200247	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	105096	44.714	ug/l	100
3) Chloromethane	2.12	50	115914	43.396	ug/l	100
4) Vinyl Chloride	2.26	62	125537	44.988	ug/l	100
5) Bromomethane	2.65	94	93288	45.075	ug/l	100
6) Chloroethane	2.79	64	82479	46.177	ug/l	100
7) Trichlorofluoromethane	3.13	101	228319	48.070	ug/l	100
8) Diethyl Ether	3.54	74	87003	53.323	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	140036	48.552	ug/l	100
10) Methyl Iodide	4.10	142	204508	51.853	ug/l	100
11) Tert butyl alcohol	4.97	59	76059	281.287	ug/l	100
12) 1,1-Dichloroethene	3.88	96	138098	47.878	ug/l	100
13) Acrolein	3.74	56	79597	256.799	ug/l	100
14) Allyl chloride	4.48	41	204270	49.199	ug/l	100
15) Acrylonitrile	5.18	53	207354	278.708	ug/l	100
16) Acetone	3.96	43	174519	314.053	ug/l	100
17) Carbon Disulfide	4.20	76	416049	46.367	ug/l	100
18) Methyl Acetate	4.49	43	84682	54.994	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	386037	53.250	ug/l	100
20) Methylene Chloride	4.72	84	155129	48.164	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	155368	48.429	ug/l	100
22) Diisopropyl ether	6.13	45	419263	50.742	ug/l	100
23) Vinyl Acetate	6.07	43	1433500	268.892	ug/l	100
24) 1,1-Dichloroethane	6.03	63	245732	49.863	ug/l	100
25) 2-Butanone	7.00	43	263955	291.080	ug/l	100
26) 2,2-Dichloropropane	6.99	77	224980	48.804	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	174151	50.039	ug/l	100
28) Bromochloromethane	7.34	49	100248	50.873	ug/l	100
29) Tetrahydrofuran	7.35	42	172454	282.444	ug/l	100
30) Chloroform	7.52	83	260701	50.844	ug/l	100
31) Cyclohexane	7.79	56	230194	46.267	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	240119	50.597	ug/l	100
36) 1,1-Dichloropropene	7.92	75	202948	48.724	ug/l	100
37) Ethyl Acetate	7.08	43	112395	54.292	ug/l	100
38) Carbon Tetrachloride	7.91	117	224959	50.172	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	264614	47.518	ug/l	100
40) Benzene	8.17	78	600940	49.446	ug/l	100
41) Methacrylonitrile	7.33	41	57603m	47.673	ug/l	
42) 1,2-Dichloroethane	8.24	62	167381	51.845	ug/l	100
43) Isopropyl Acetate	8.28	43	215092	55.635	ug/l	100
44) Trichloroethene	8.94	130	189896	49.095	ug/l	100
45) 1,2-Dichloropropane	9.22	63	145152	50.088	ug/l	100
46) Dibromomethane	9.31	93	86508	52.915	ug/l	100
47) Bromodichloromethane	9.50	83	205908	51.802	ug/l	100
48) Methyl methacrylate	9.30	41	96468	54.405	ug/l	100
49) 1,4-Dioxane	9.30	88	26563	1164.348	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	566747	282.913	ug/l	100
52) Toluene	10.24	92	394505	50.005	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	224493	52.673	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	253916	51.629	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	132670	54.063	ug/l	100
56) Ethyl methacrylate	10.51	69	180033	55.296	ug/l	100
57) 1,3-Dichloropropane	10.79	76	216189	52.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	426257	266.605	ug/l	100
59) 2-Hexanone	10.83	43	409270	291.646	ug/l	100
60) Dibromochloromethane	10.99	129	168762	54.104	ug/l	100
61) 1,2-Dibromoethane	11.09	107	131376	54.438	ug/l	100
64) Tetrachloroethene	10.72	164	203026	47.546	ug/l	100
65) Chlorobenzene	11.52	112	439757	50.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	168819	51.546	ug/l	100
67) Ethyl Benzene	11.59	91	760837	49.411	ug/l	100
68) m/p-Xylenes	11.70	106	593699	99.082	ug/l	100
69) o-Xylene	12.03	106	282985	50.238	ug/l	100
70) Styrene	12.04	104	493056	50.910	ug/l	100
71) Bromoform	12.20	173	112813	55.232	ug/l #	100
73) Isopropylbenzene	12.33	105	766592	48.132	ug/l	100
74) N-amyl acetate	12.14	43	204590	53.983	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	136839	56.592	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	108921m	53.650	ug/l	
77) Bromobenzene	12.61	156	198836	49.642	ug/l	100
78) n-propylbenzene	12.67	91	890700	48.078	ug/l	100
79) 2-Chlorotoluene	12.75	91	495103	48.127	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	646440	48.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59140	54.619	ug/l	100
82) 4-Chlorotoluene	12.85	91	525378	48.604	ug/l	100
83) tert-Butylbenzene	13.08	119	576168	48.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	650726	48.569	ug/l	100
85) sec-Butylbenzene	13.25	105	782515	47.864	ug/l	100
86) p-Isopropyltoluene	13.37	119	732778	47.947	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	377801	48.911	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	376725	48.992	ug/l	100
89) n-Butylbenzene	13.69	91	665915	47.439	ug/l	100
90) Hexachloroethane	13.96	117	137448	48.429	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	346162	49.828	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26256	56.541	ug/l	100

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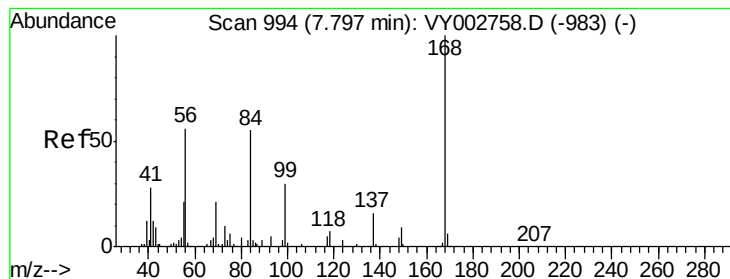
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	259116	48.185	ug/l	100
94) Hexachlorobutadiene	15.11	225	146822	45.427	ug/l	100
95) Naphthalene	15.23	128	523641	53.738	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	228433	48.660	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 331572

Ion Ratio Lower Upper

168 100

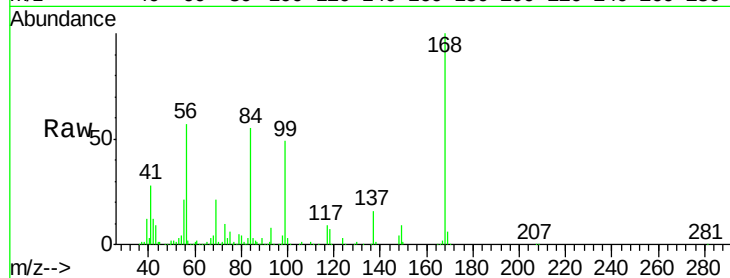
99 48.7 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

150000

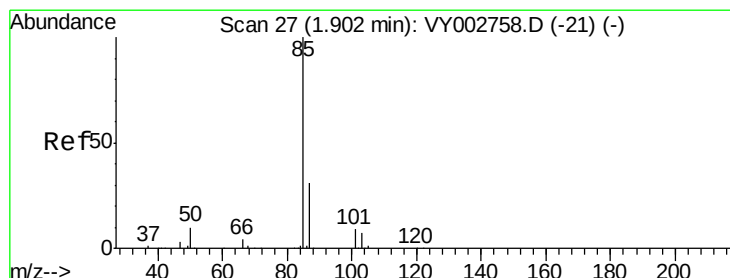
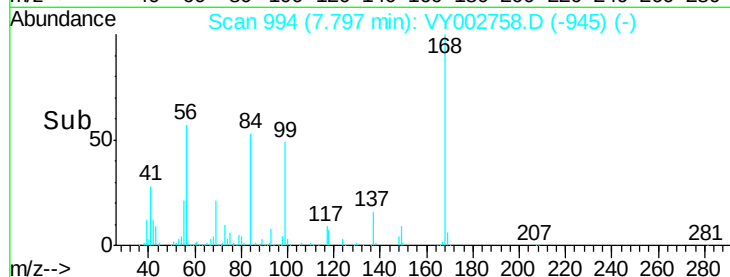
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.714 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002758.D

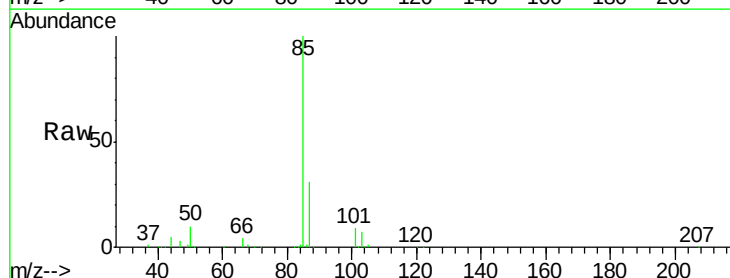
Acq: 27 May 2020 12:14

Tgt Ion: 85 Resp: 105096

Ion Ratio Lower Upper

85 100

87 31.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002758.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002758.D (-21) (-)

1.90

80000

60000

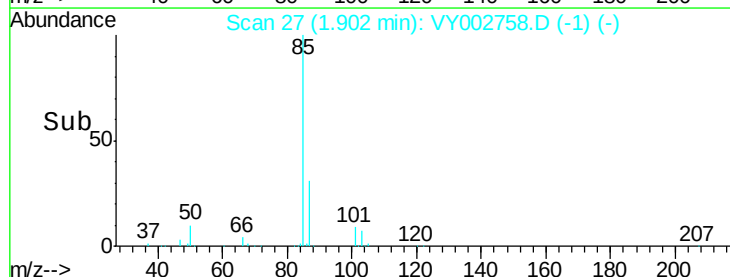
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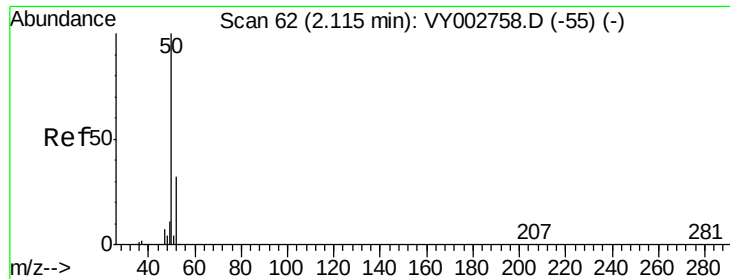
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.396 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 115914

Ion Ratio Lower Upper

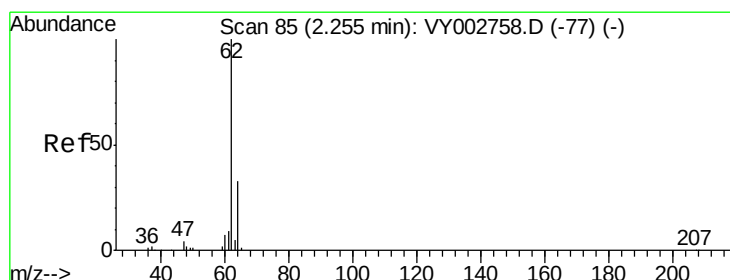
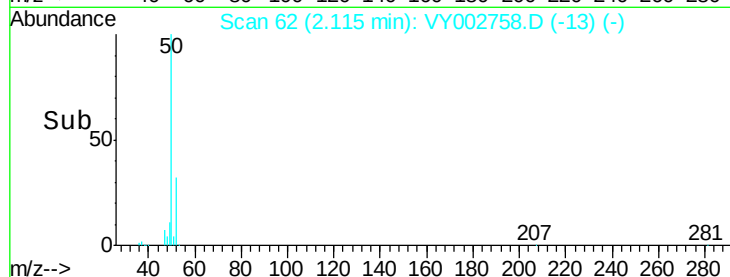
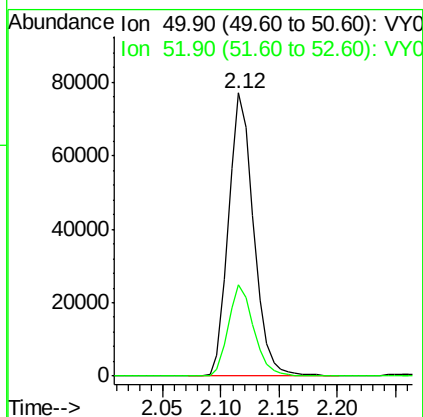
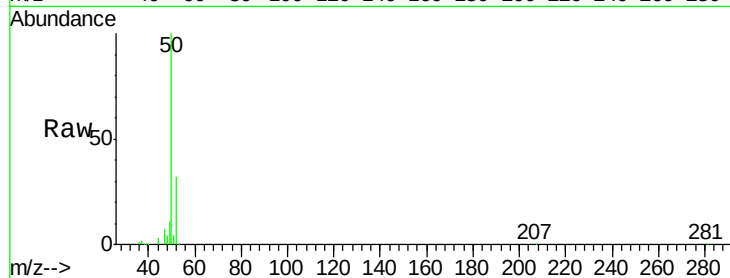
50 100

52 32.2 25.8 38.6

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#4

Vinyl Chloride

Concen: 44.988 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002758.D

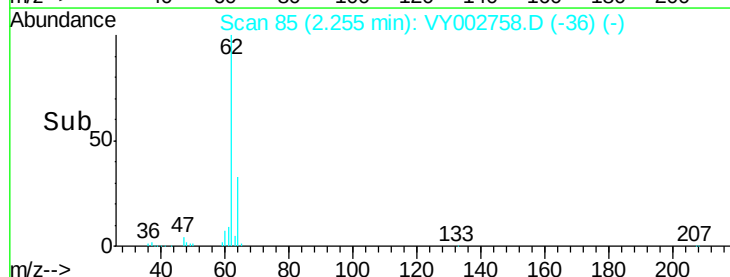
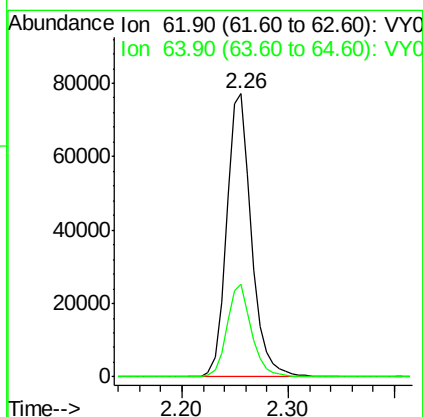
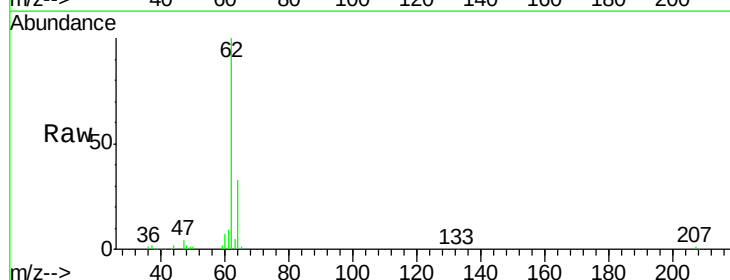
Acq: 27 May 2020 12:14

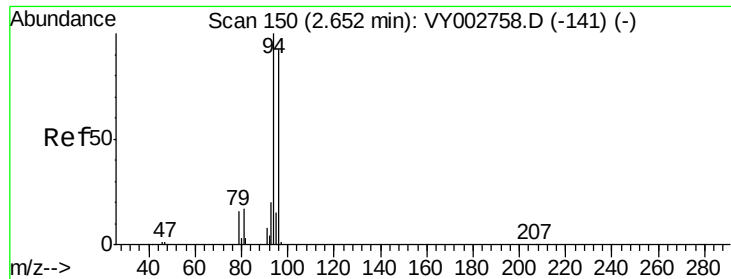
Tgt Ion: 62 Resp: 125537

Ion Ratio Lower Upper

62 100

64 32.6 26.1 39.1





#5

Bromomethane

Concen: 45.075 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 93288

Ion Ratio Lower Upper

94 100

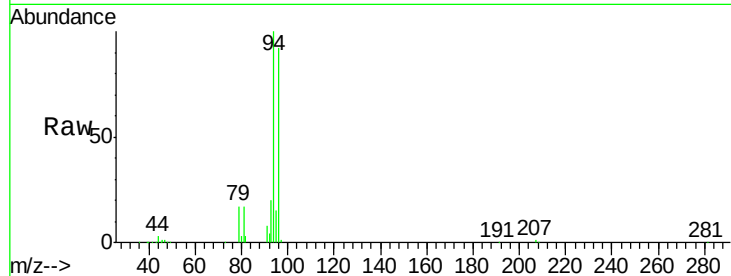
96 92.1 73.7 110.5

Manual Integrations

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5/28/2020 2:08:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

50000

40000

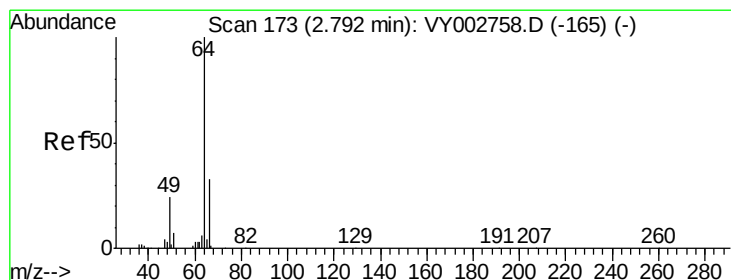
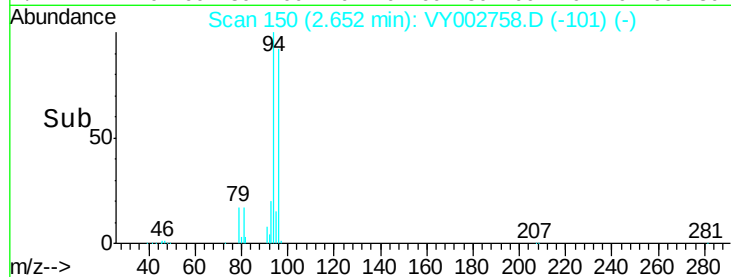
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 46.177 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY002758.D

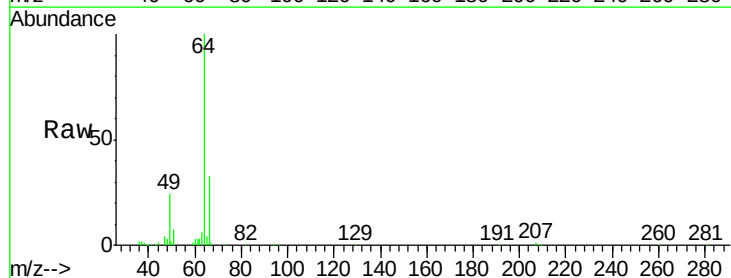
Acq: 27 May 2020 12:14

Tgt Ion: 64 Resp: 82479

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

40000

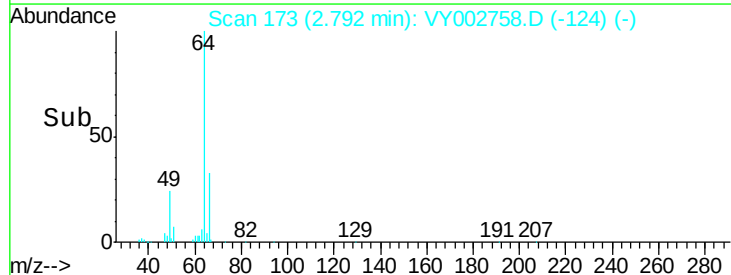
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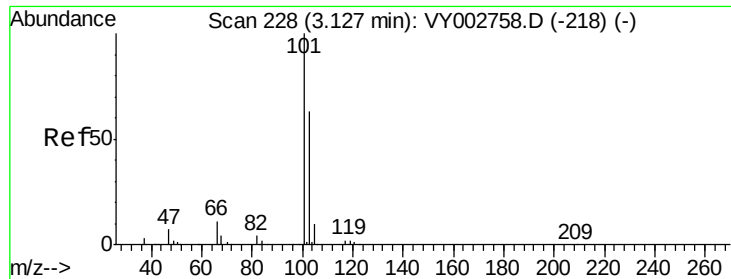
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10000

0

Time-->





#7

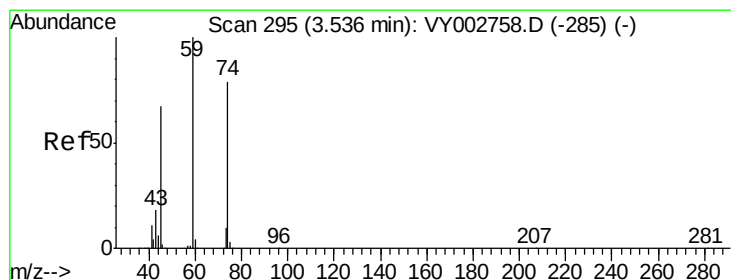
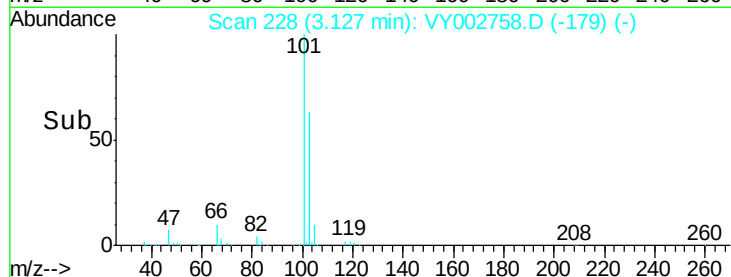
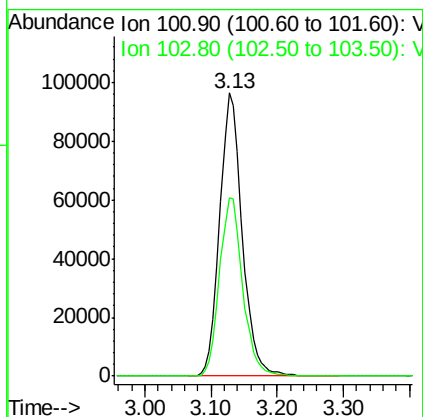
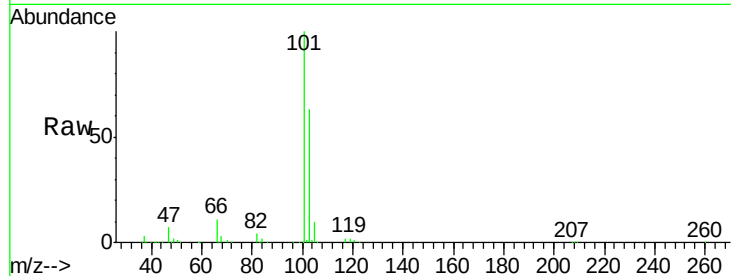
Trichlorofluoromethane
 Concen: 48.070 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	228319		
103	63.3	50.6	76.0	

Manual Integrations
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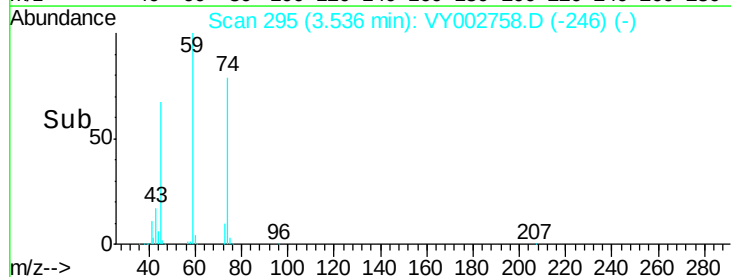
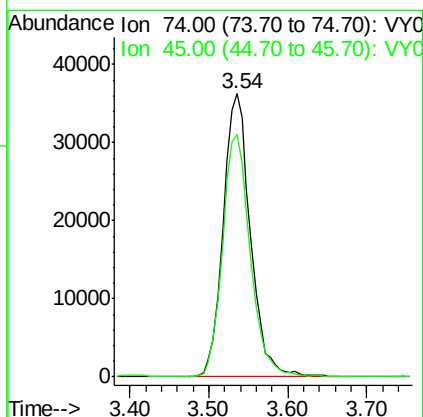
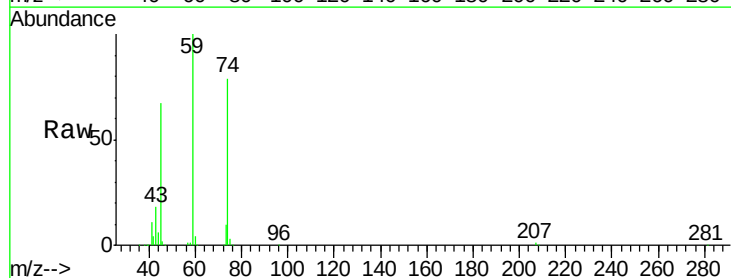
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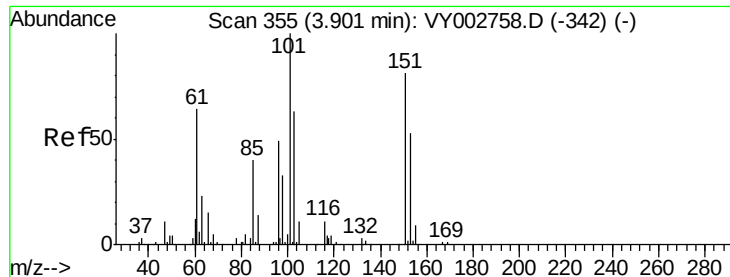


#8

Diethyl Ether
 Concen: 53.323 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	87003		
45	87.9	44.0	131.8	





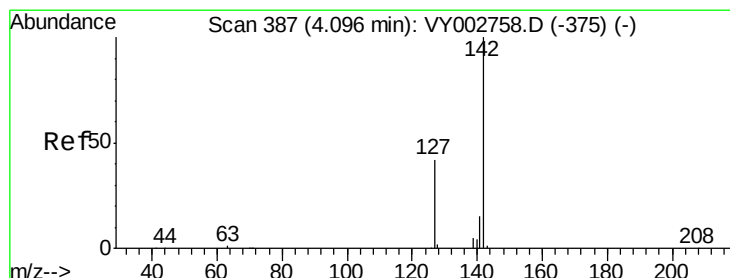
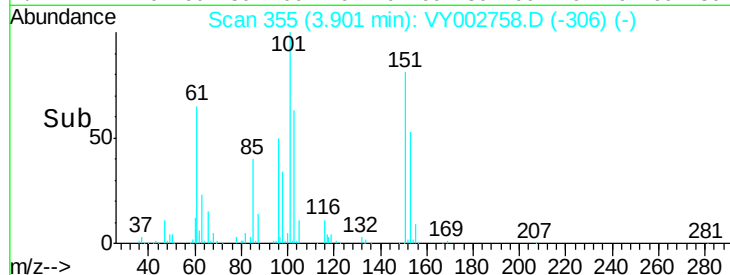
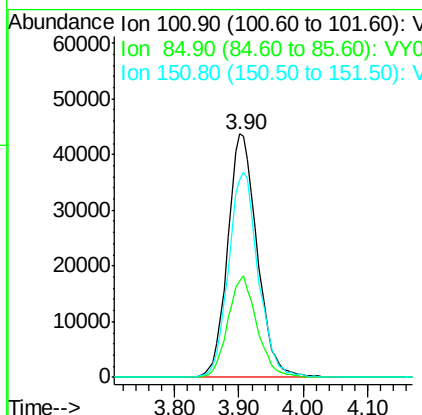
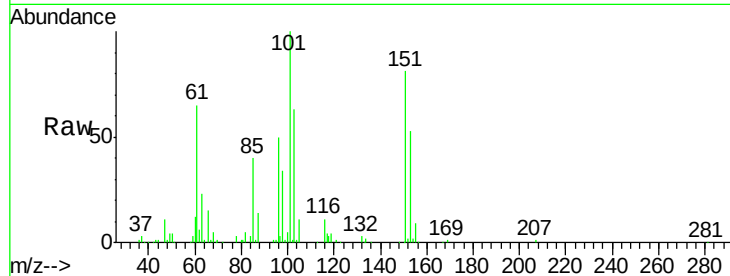
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.552 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	140036		
85	40.9	32.7	49.1	
151	85.0	68.0	102.0	

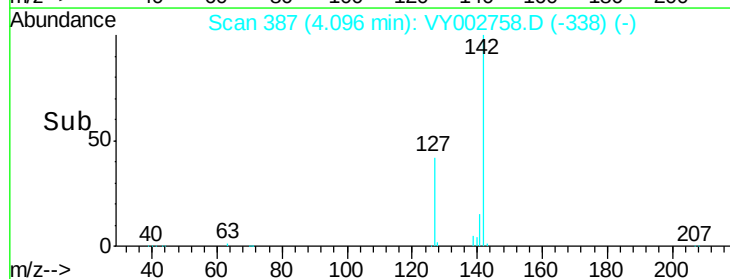
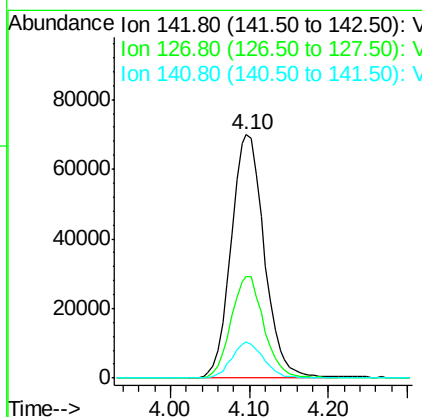
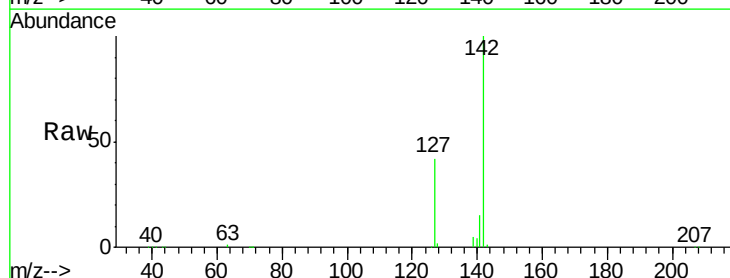
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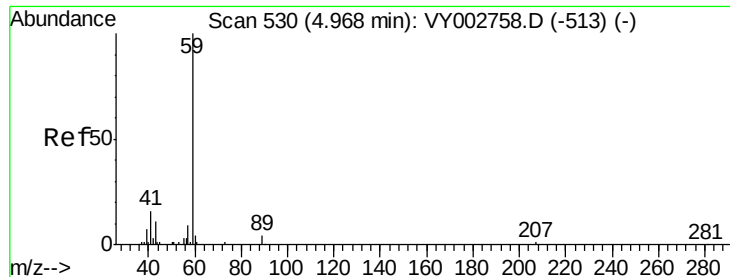
MMDadoda
 5/28/2020 2:08:37 PM



#10
 Methyl Iodide
 Concen: 51.853 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	204508		
127	41.6	33.3	49.9	
141	14.4	11.5	17.3	





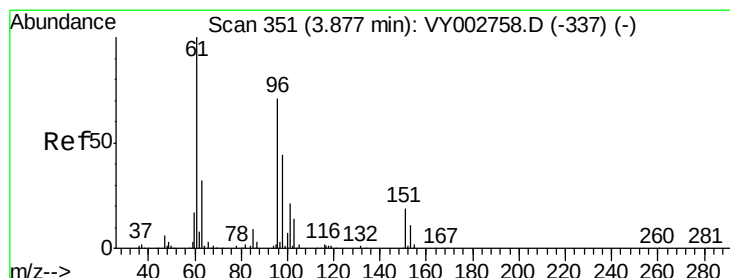
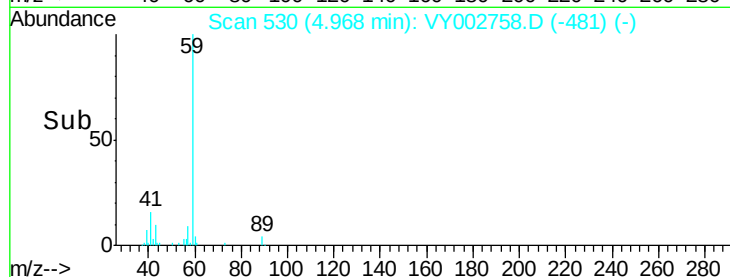
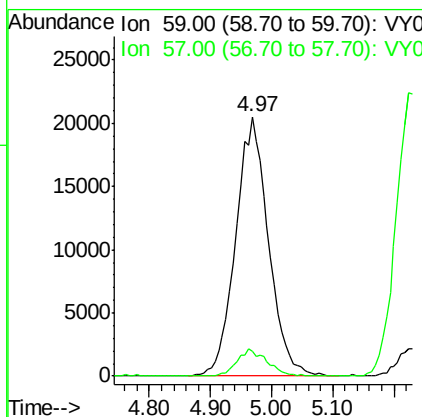
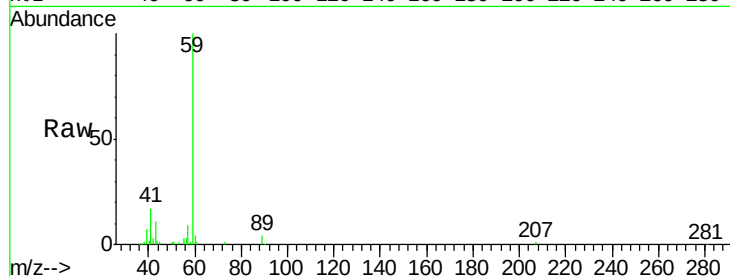
#11
Tert butyl alcohol
Concen: 281.287 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

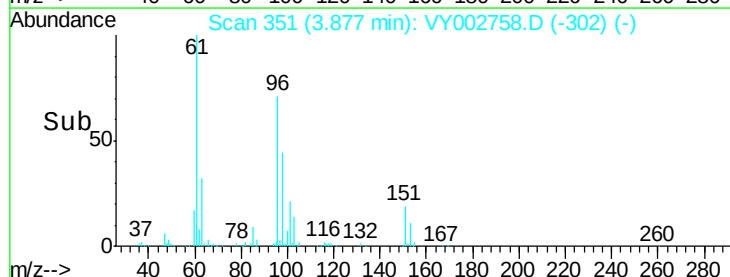
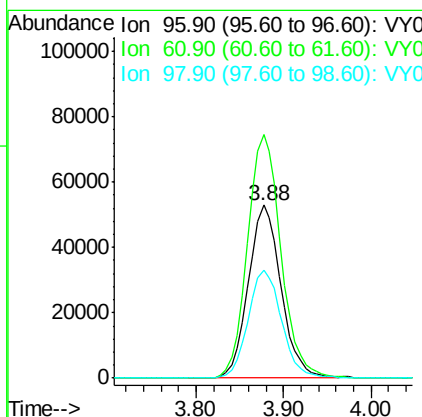
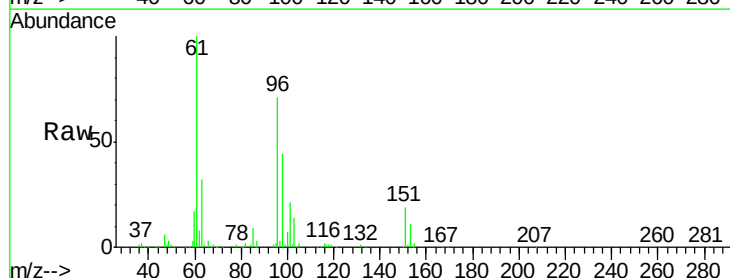
Manual Integrations
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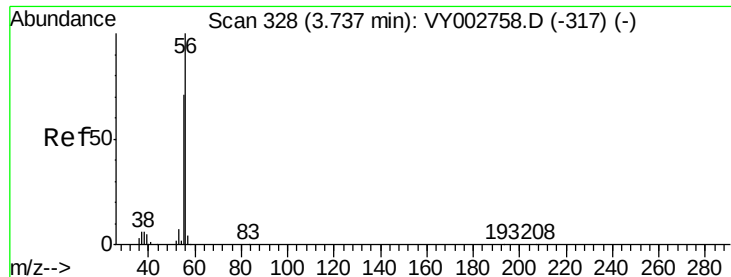
MMDadoda
5/28/2020 2:08:37 PM



#12
1,1-Dichloroethene
Concen: 47.878 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	112.6	168.8
98	62.5	50.0	75.0





#13

Acrolein

Concen: 256.799 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 79597

Ion Ratio Lower Upper

56 100

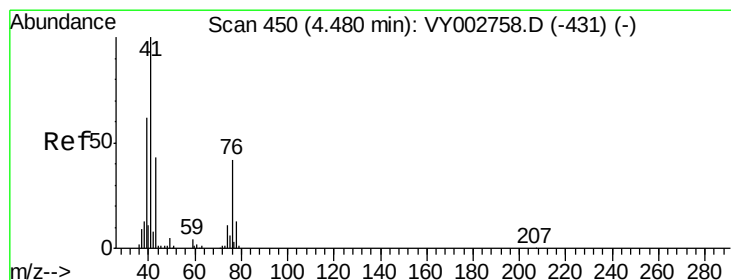
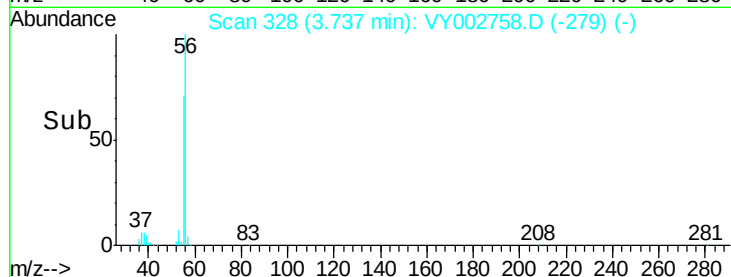
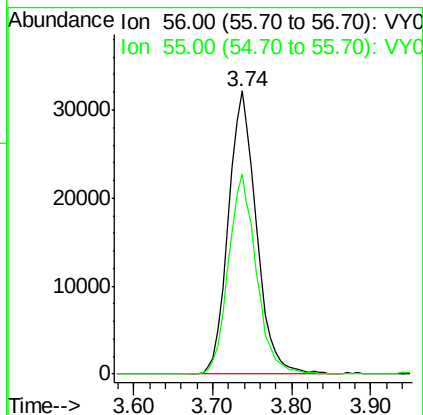
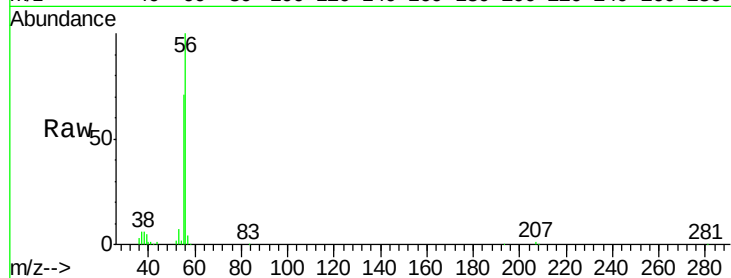
55 70.0 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.199 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

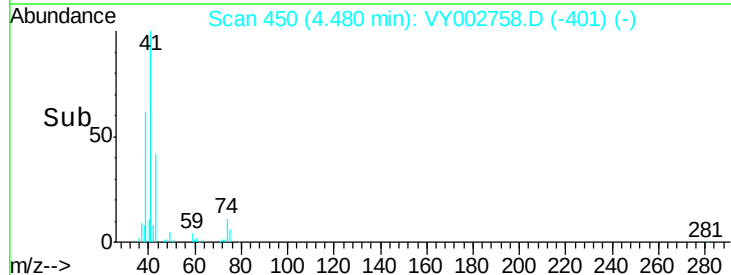
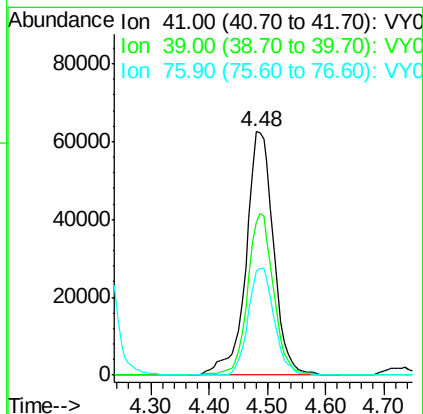
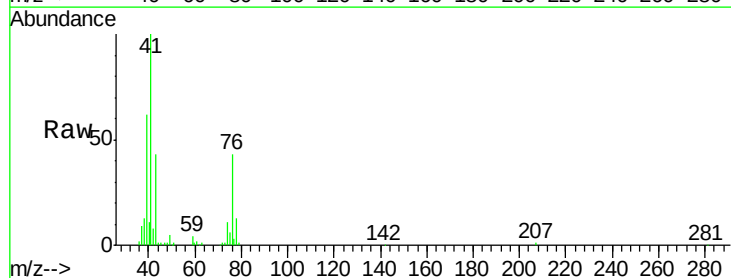
Tgt Ion: 41 Resp: 204270

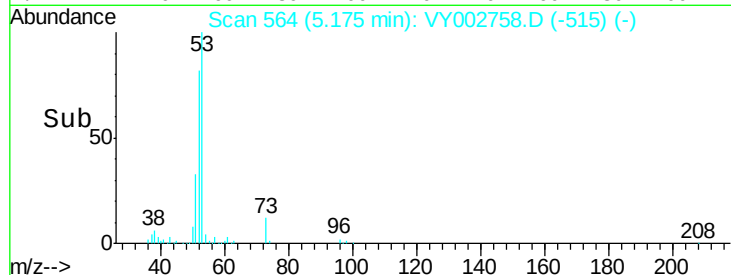
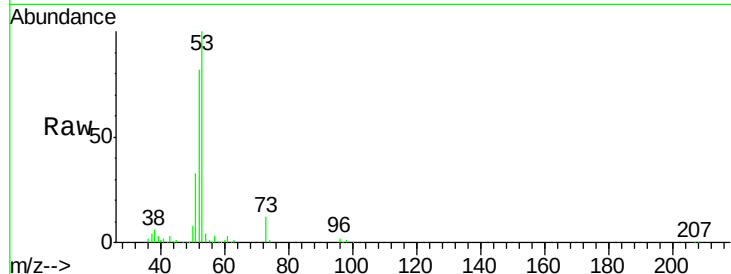
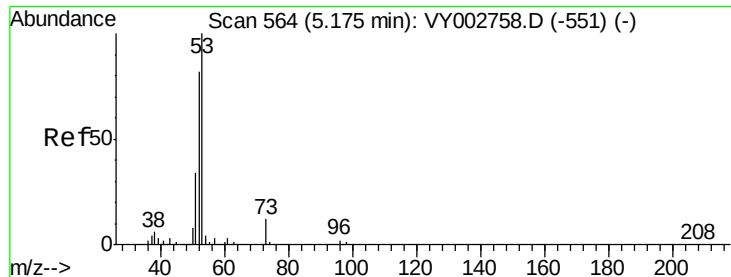
Ion Ratio Lower Upper

41 100

39 62.4 49.9 74.9

76 41.5 33.2 49.8





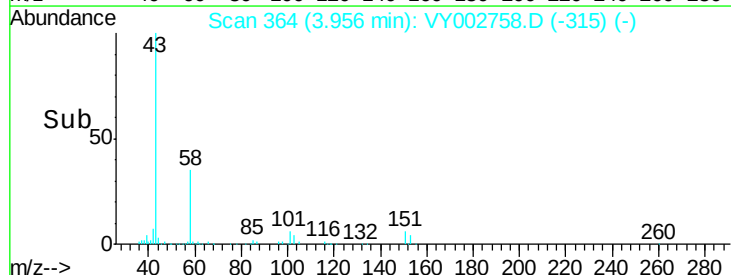
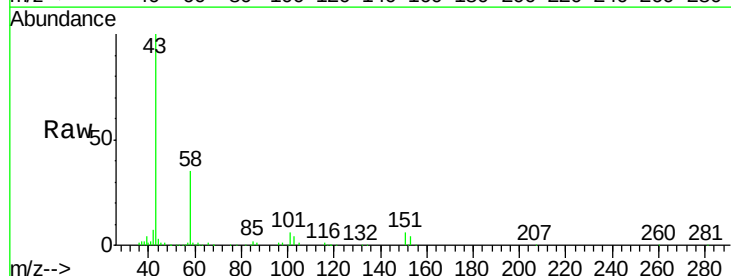
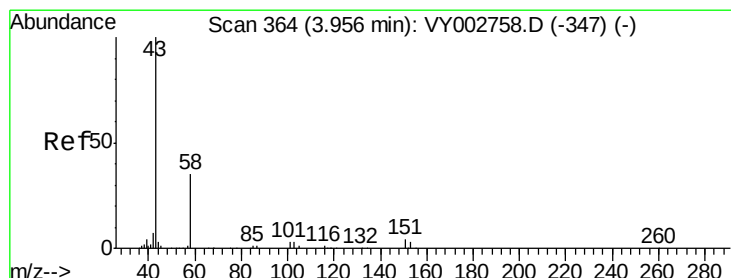
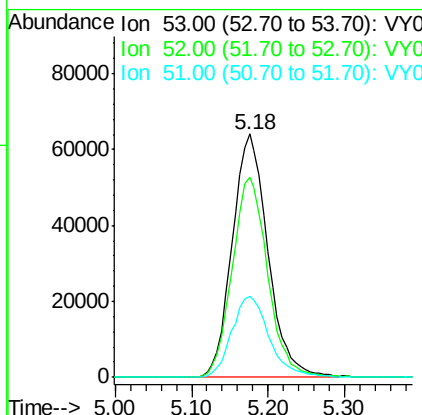
#15
 Acrylonitrile
 Concen: 278.708 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tot Ion:	53	Resp:	207354
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	35.0	28.0	42.0

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

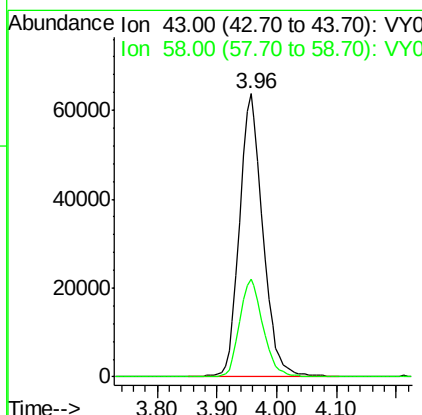
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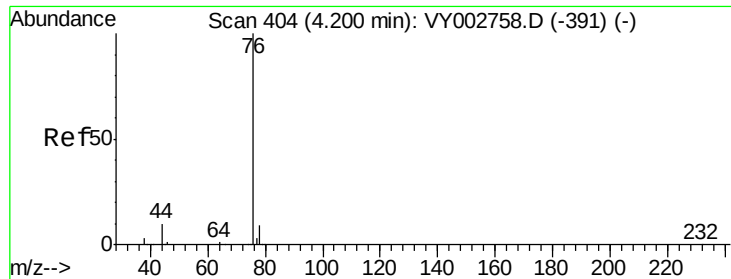
MMDadoda
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#16
 Acetone
 Concen: 314.053 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion:	43	Resp:	174519
Ion Ratio	Lower	Upper	
43	100		
58	34.6	27.7	41.5





#17

Carbon Disulfide

Concen: 46.367 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 416049

Ion Ratio Lower Upper

76 100

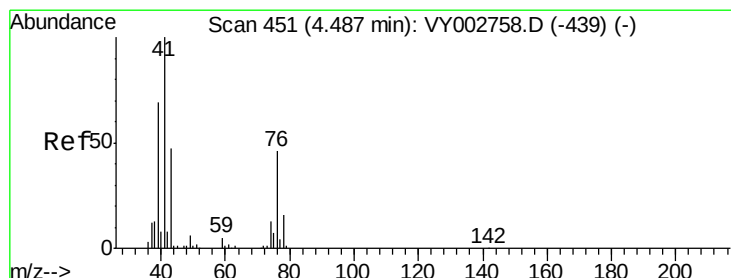
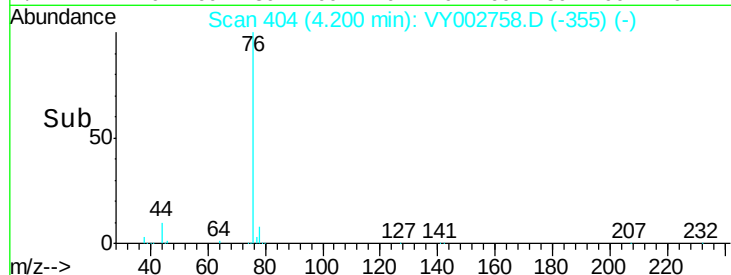
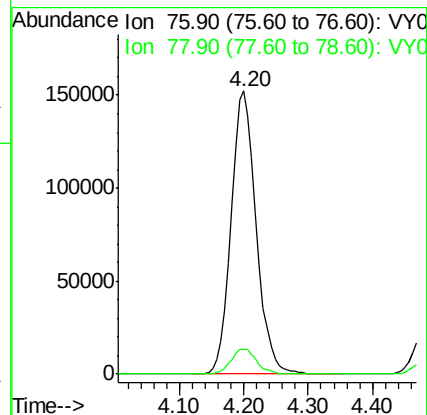
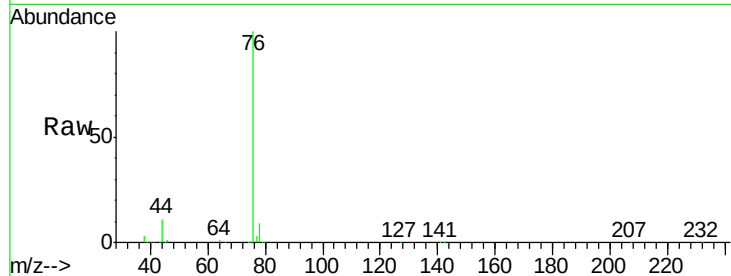
78 8.6 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 54.994 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002758.D

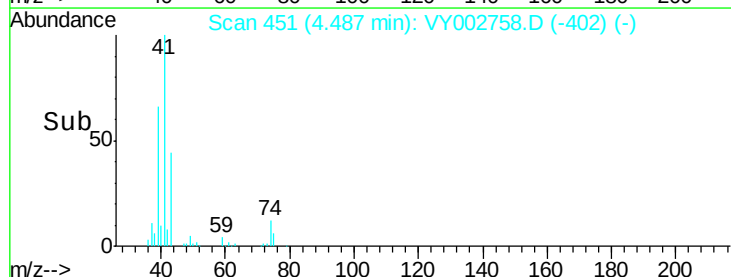
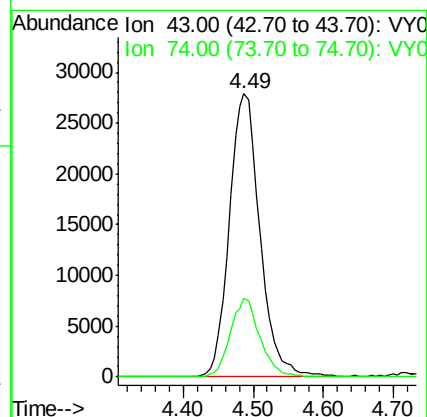
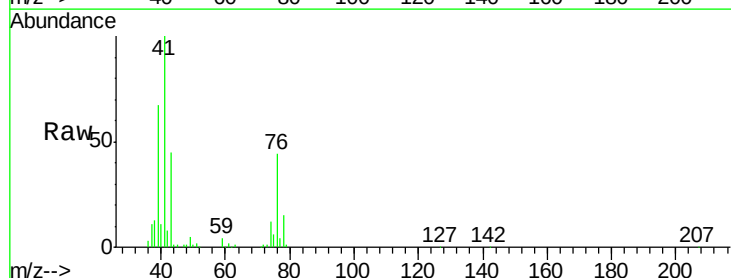
Acq: 27 May 2020 12:14

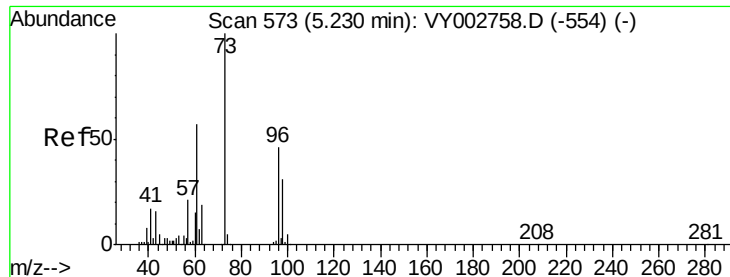
Tgt Ion: 43 Resp: 84682

Ion Ratio Lower Upper

43 100

74 26.7 21.4 32.0





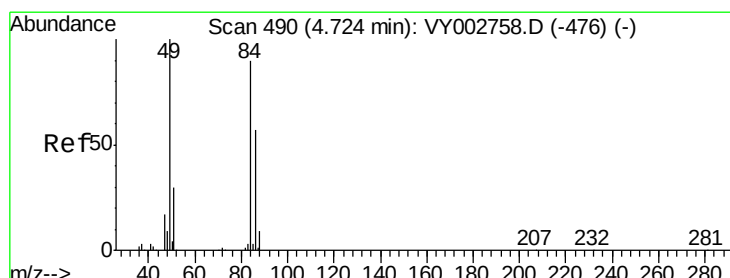
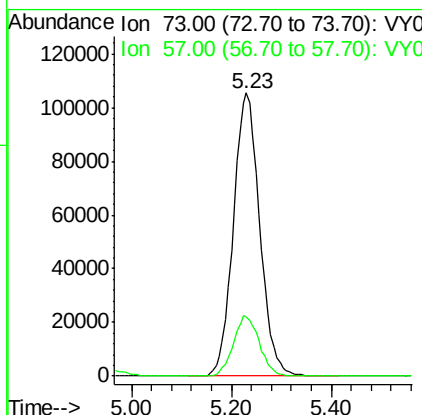
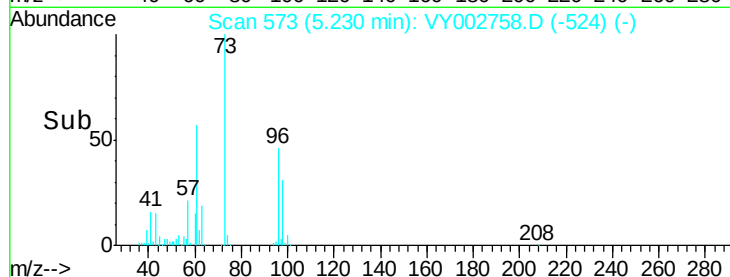
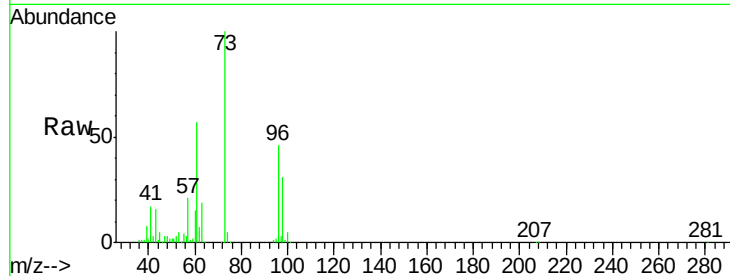
#19
Methyl tert-butyl Ether
Concen: 53.250 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 386037
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4

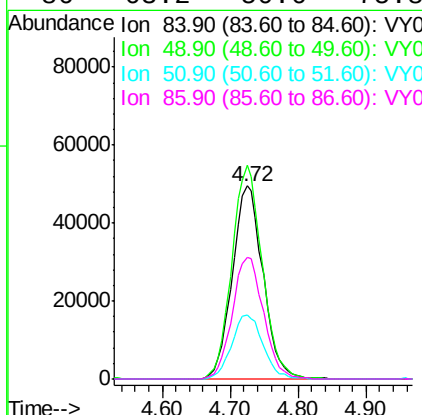
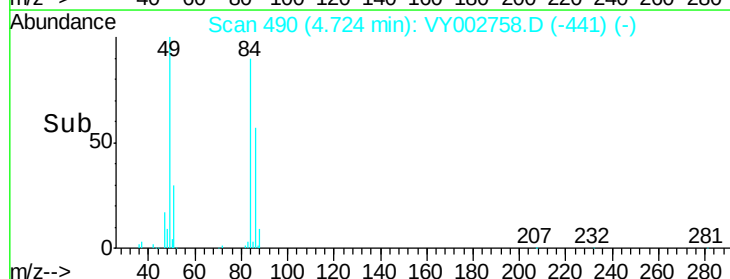
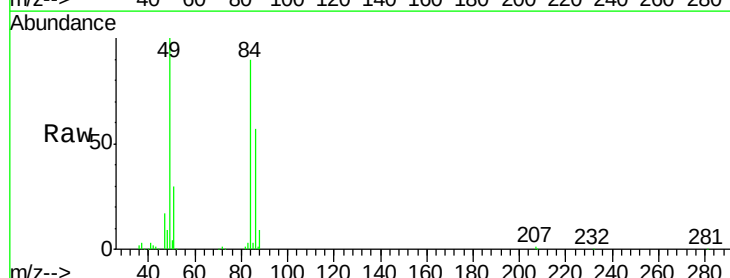
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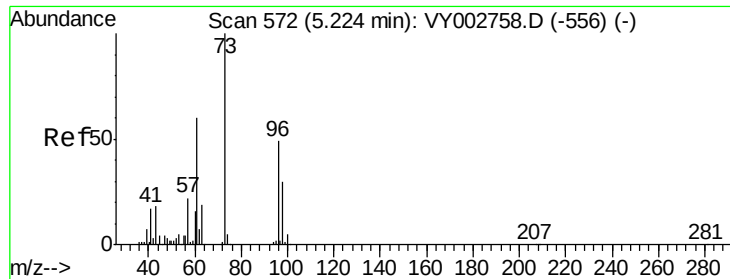
MMDadoda
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#20
Methylene Chloride
Concen: 48.164 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion: 84 Resp: 155129
Ion Ratio Lower Upper
84 100
49 110.6 88.5 132.7
51 33.5 26.8 40.2
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.429 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

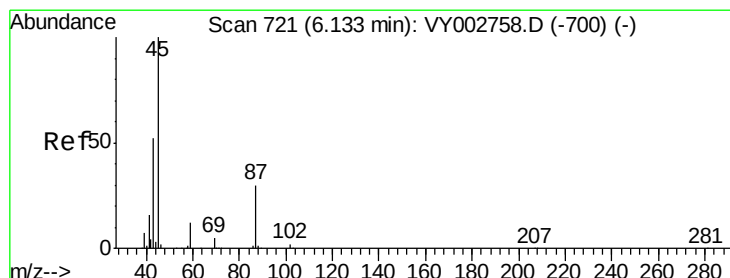
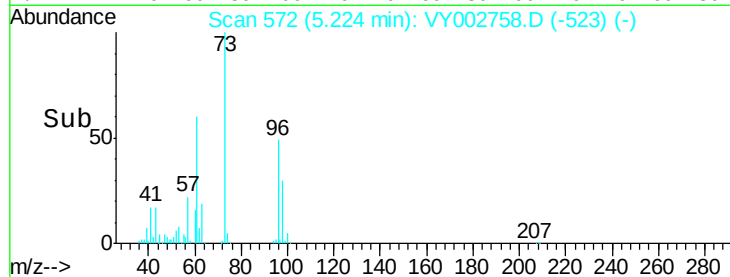
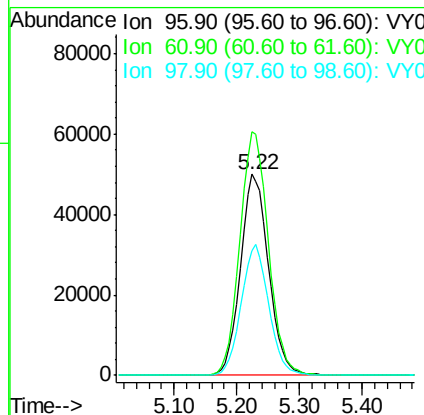
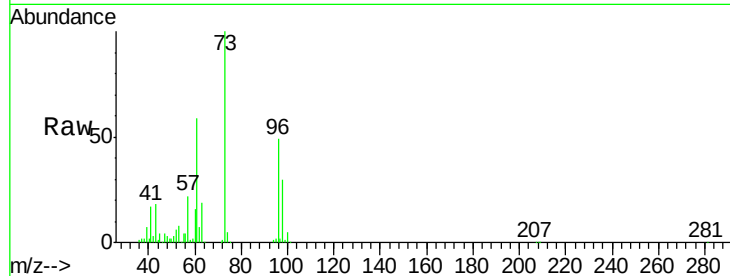
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	155368
Ion	Ratio	Lower	Upper
96	100		
61	121.0	96.8	145.2
98	61.7	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.742 ug/l

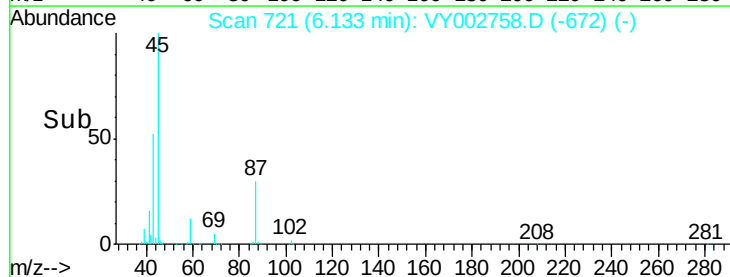
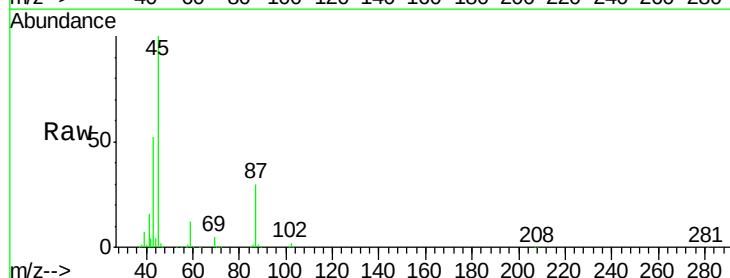
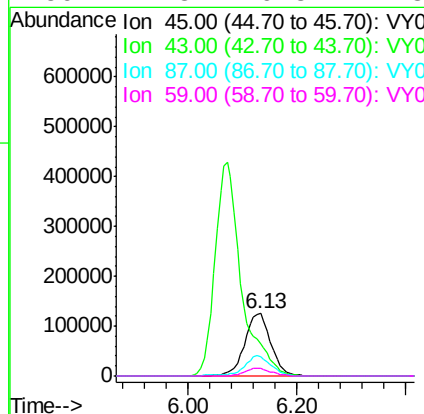
RT: 6.13 min Scan# 721

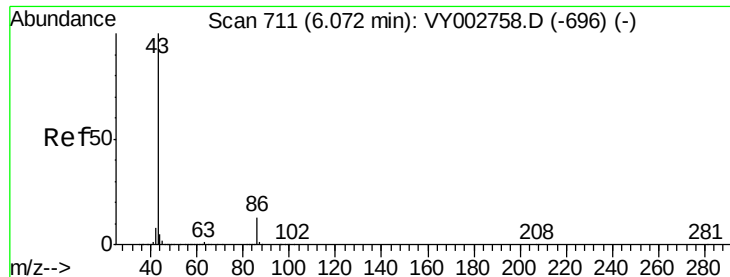
Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion:	45	Resp:	419263
Ion	Ratio	Lower	Upper
45	100		
43	52.1	41.7	62.5
87	30.2	24.2	36.2
59	12.3	9.8	14.8





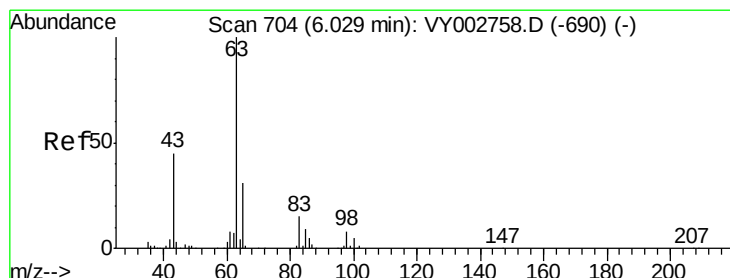
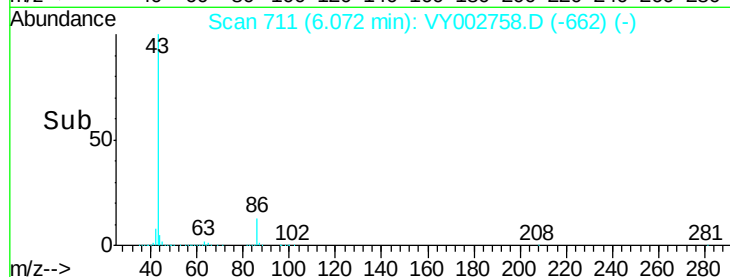
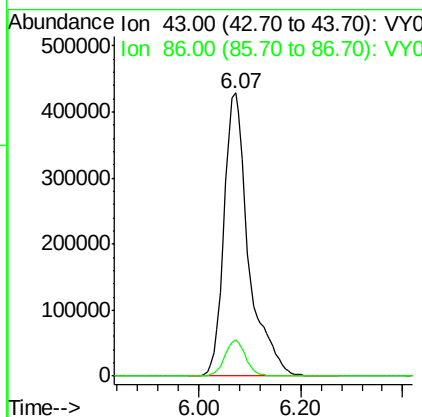
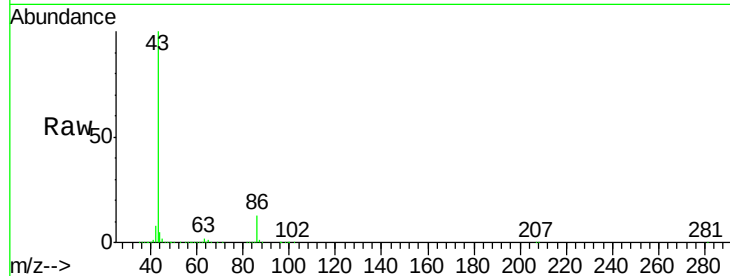
#23
 Vinyl Acetate
 Concen: 268.892 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1433500
 Ion Ratio Lower Upper
 43 100
 86 12.7 10.2 15.2

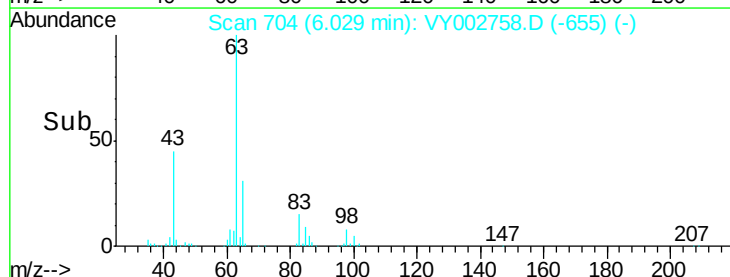
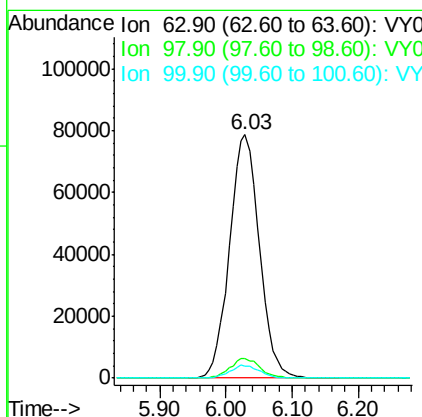
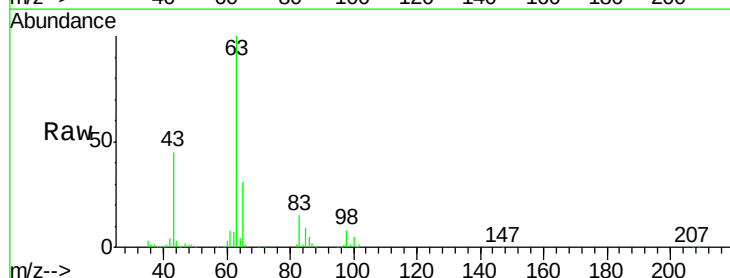
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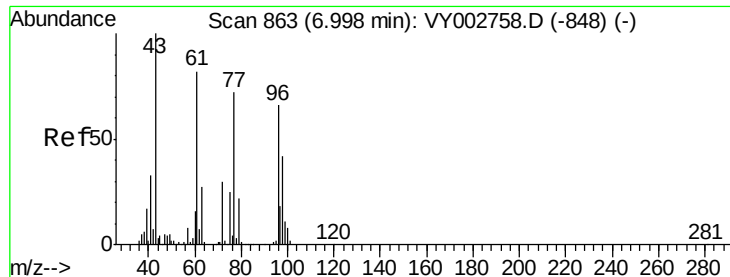
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 5/28/2020 2:08:37 PM



#24
 1,1-Dichloroethane
 Concen: 49.863 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion: 63 Resp: 245732
 Ion Ratio Lower Upper
 63 100
 98 8.1 4.0 12.2
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 291.080 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 263955

Ion Ratio Lower Upper

43 100

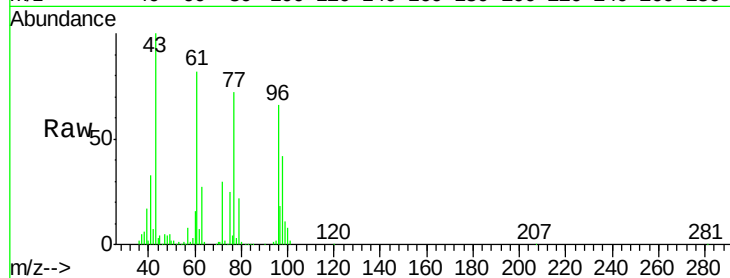
72 29.9 23.9 35.9

Manual Integrations

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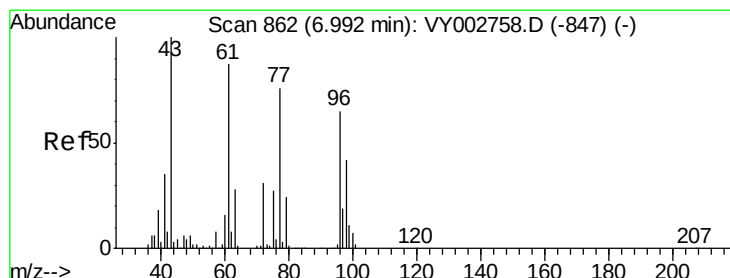
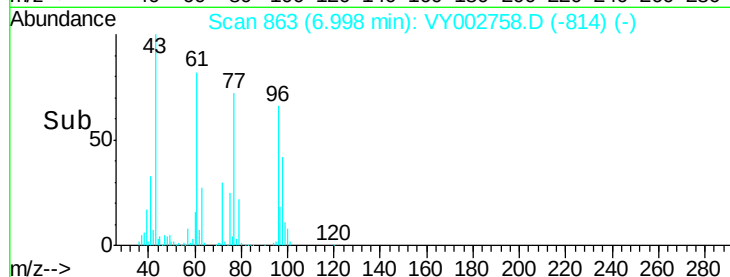
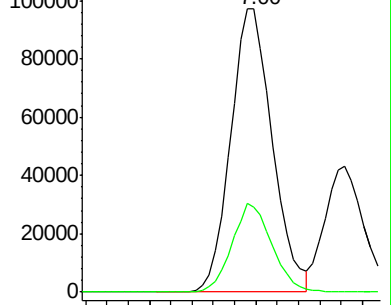
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 48.804 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002758.D

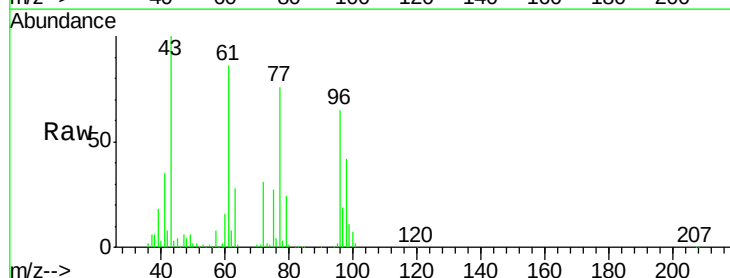
Acq: 27 May 2020 12:14

Tgt Ion: 77 Resp: 224980

Ion Ratio Lower Upper

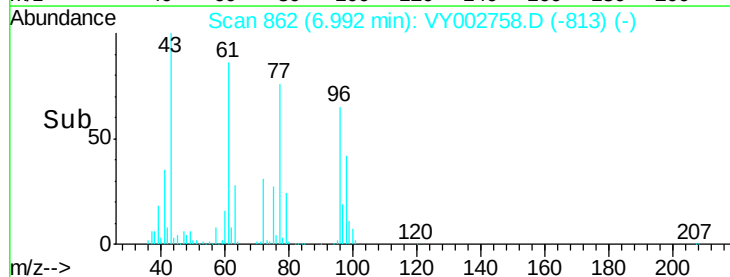
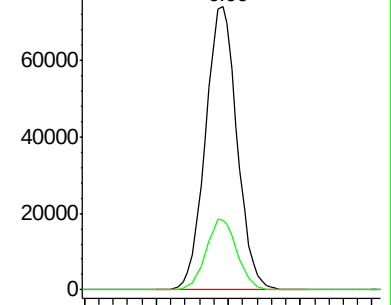
77 100

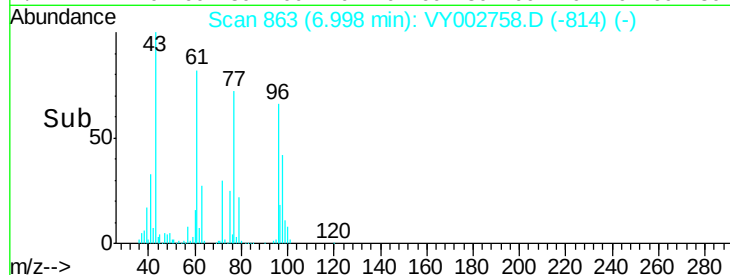
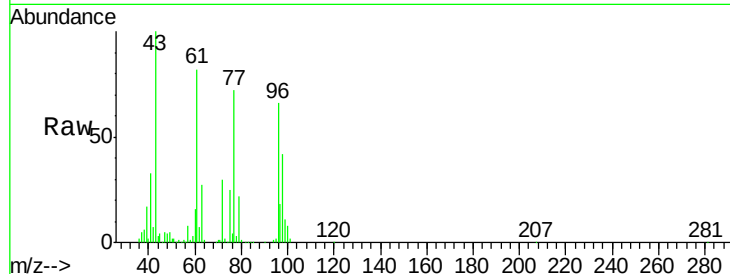
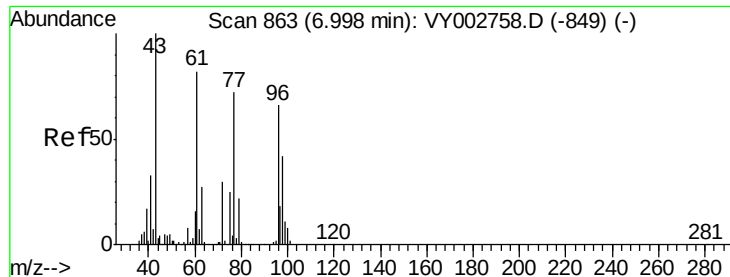
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

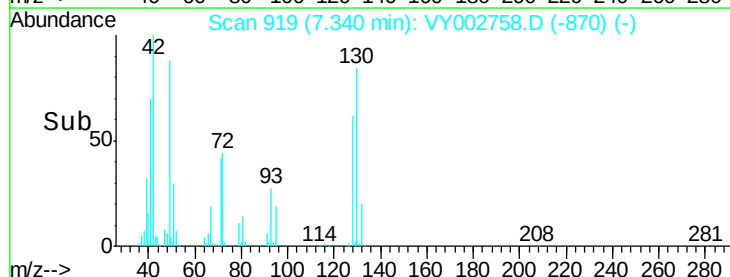
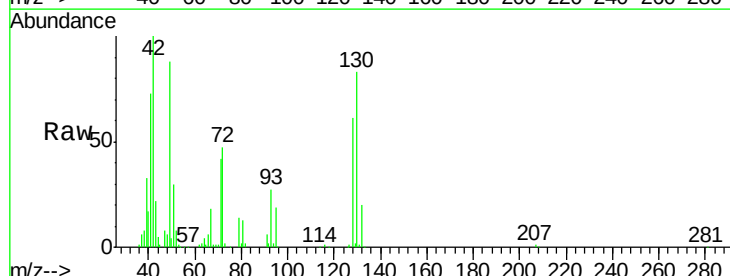
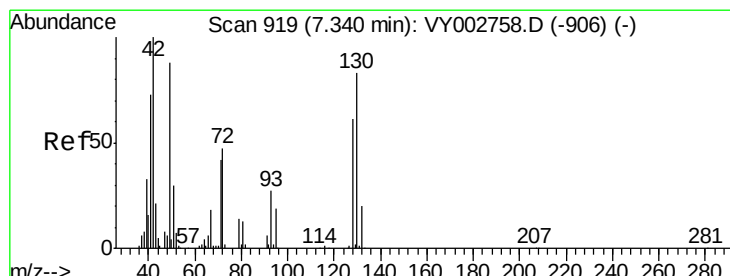
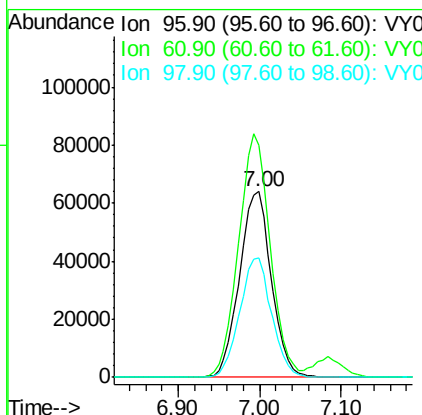
cis-1,2-Dichloroethene
Concen: 50.039 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174151		
61	130.1	0.0	260.2	
98	64.1	0.0	128.2	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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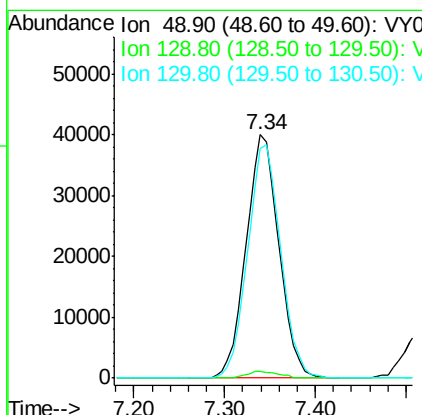
MMDadoda
5/28/2020 2:08:37 PM

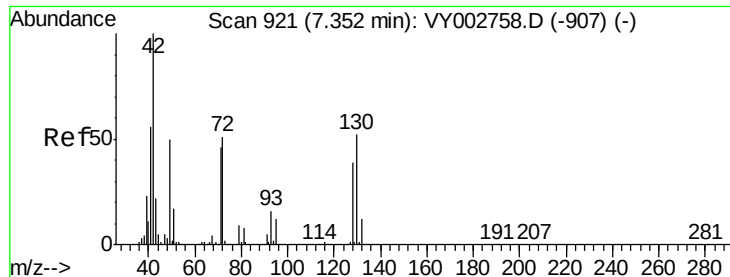


#28

Bromochloromethane
Concen: 50.873 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100248		
129	2.6	0.0	5.2	
130	96.4	77.1	115.7	





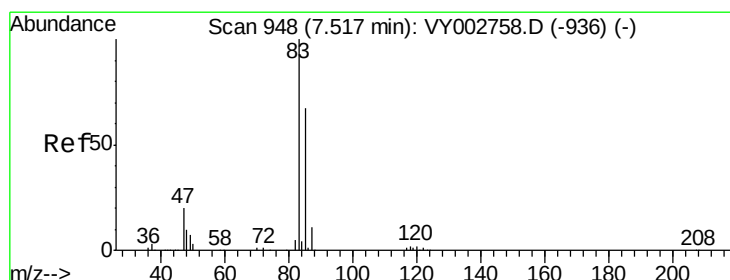
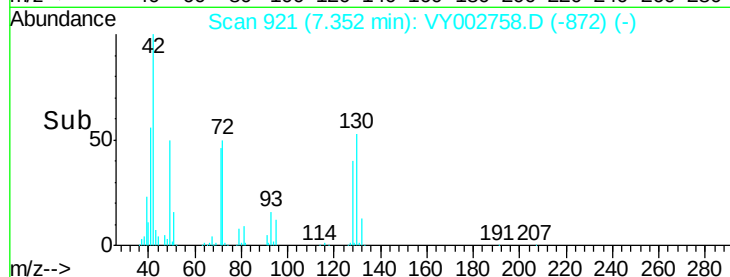
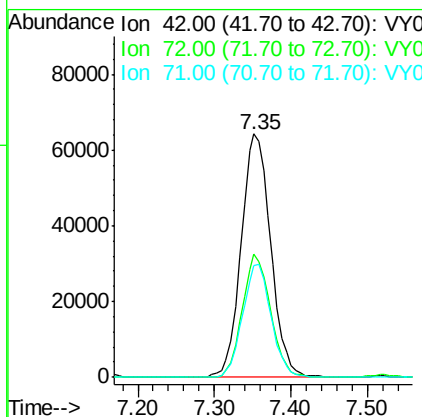
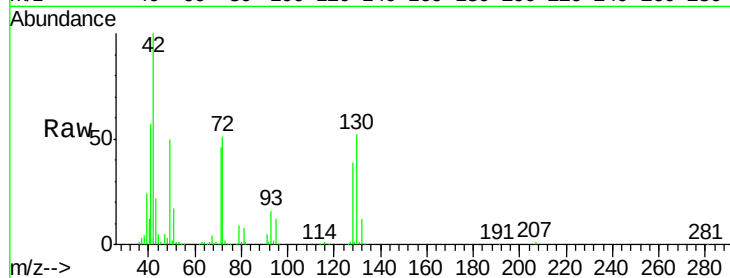
#29
Tetrahydrofuran
Concen: 282.444 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.6	58.0
71	44.8	35.8	53.8

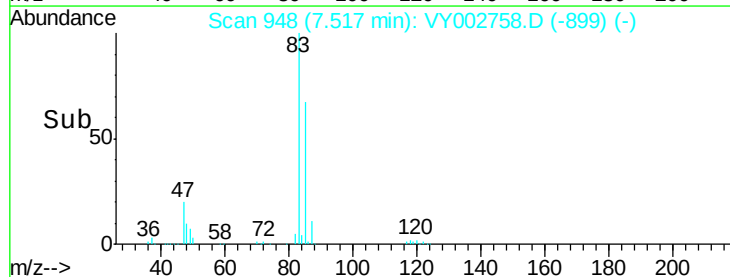
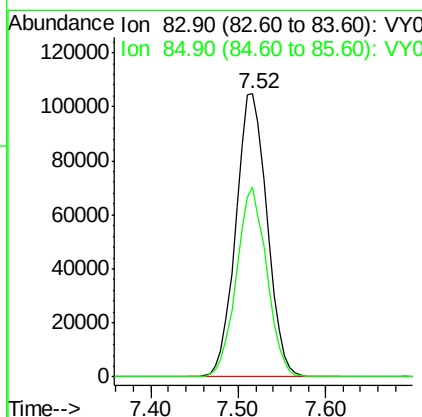
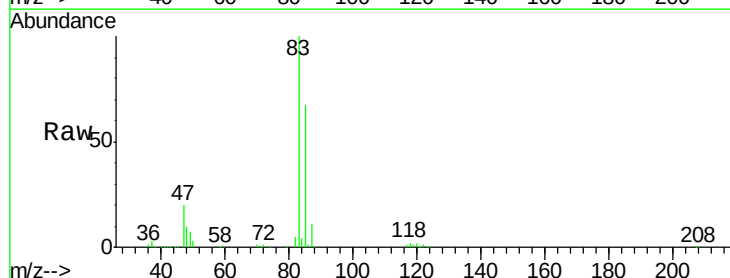
Manual Integrations
APPROVED

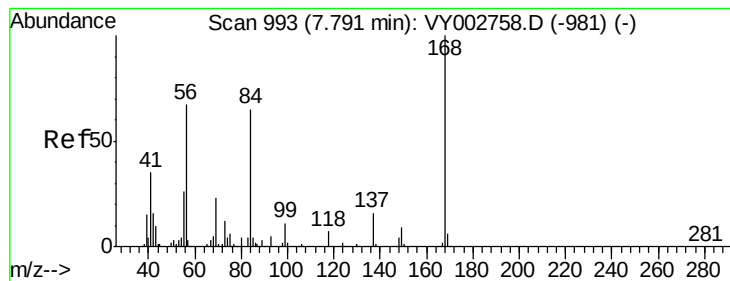
MMDadoda
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#30
Chloroform
Concen: 50.844 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.8	80.8





#31

Cyclohexane

Concen: 46.267 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

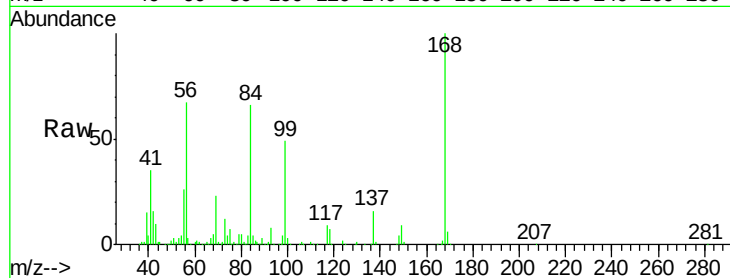
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	230194
Ion	Ratio	Lower	Upper
56	100		
69	35.0	28.0	42.0
84	97.1	77.7	116.5

Manual Integrations
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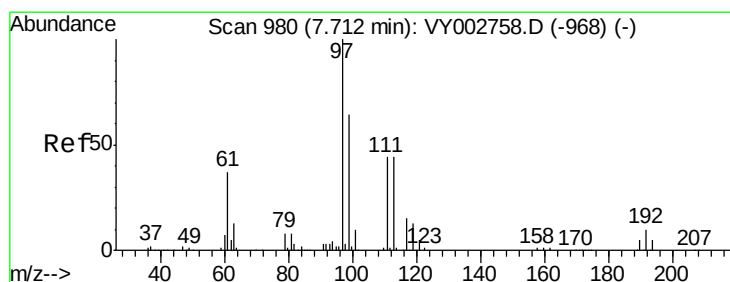
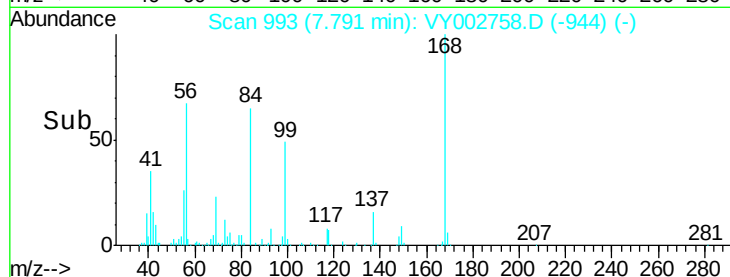
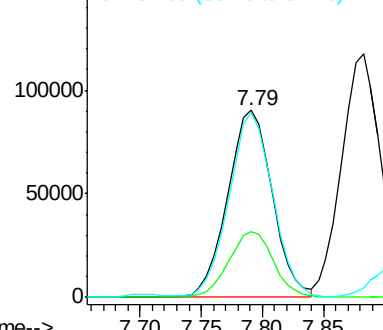


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.597 ug/l

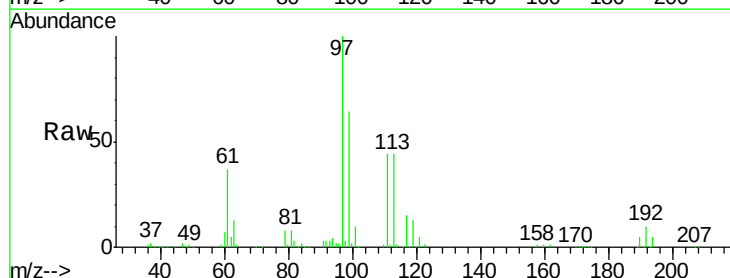
RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion:	97	Resp:	240119
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	37.6	30.1	45.1

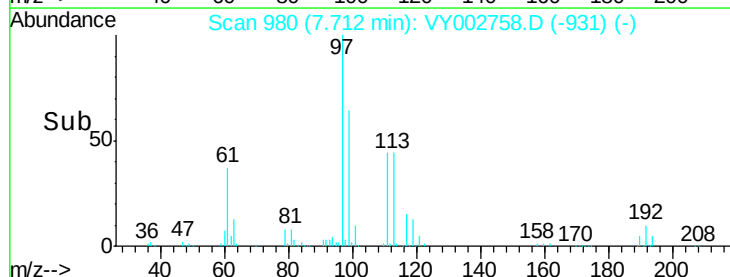
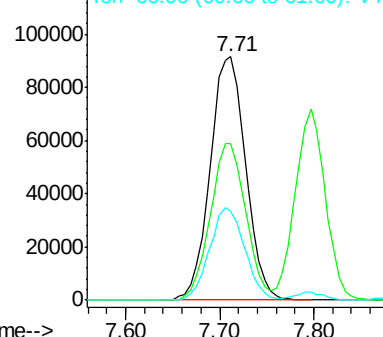


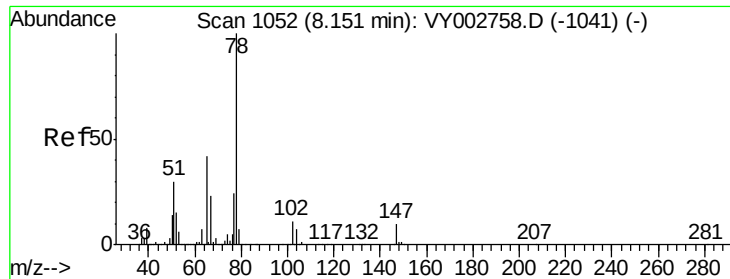
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





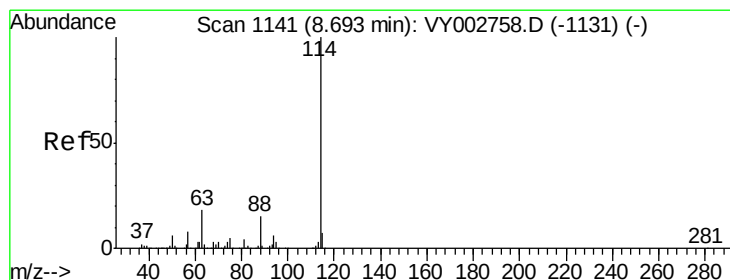
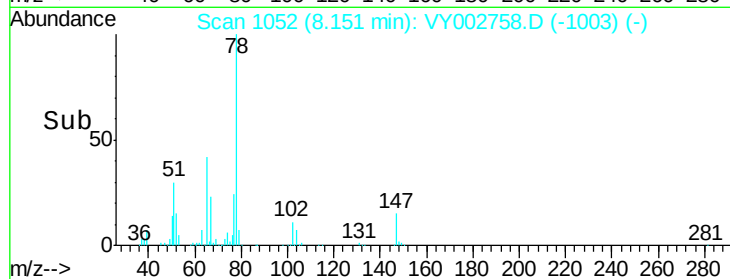
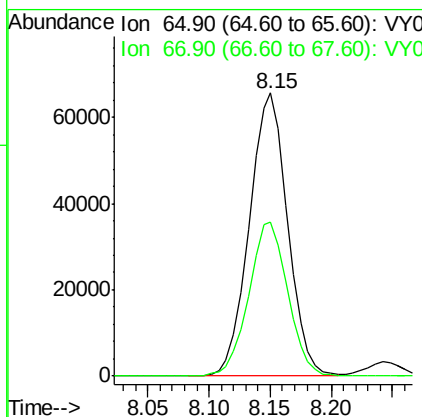
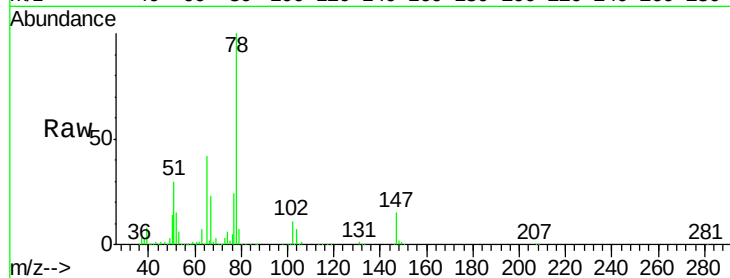
#33
 1,2-Dichloroethane-d4
 Concen: 54.503 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142892		
67	55.5	0.0	111.0	

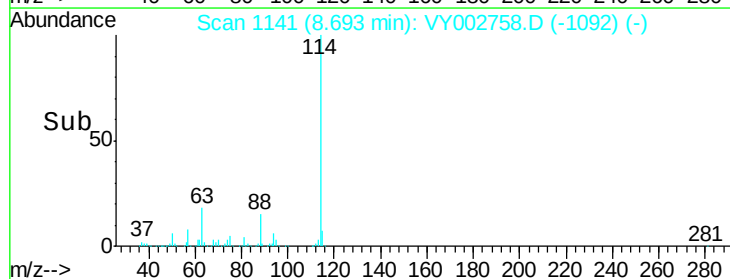
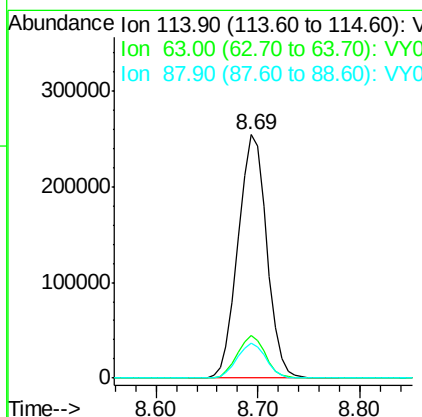
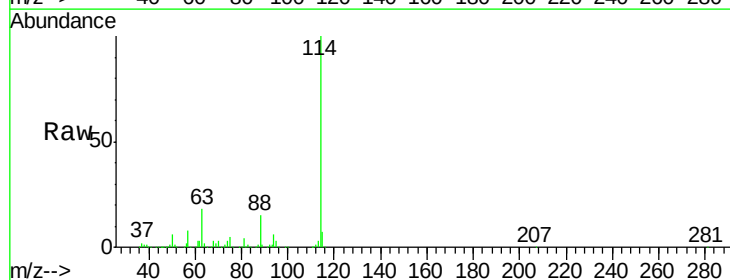
Manual Integrations
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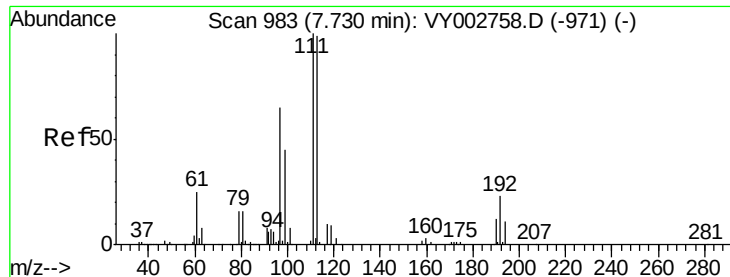
MMDadoda
 5/28/2020 2:08:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	494320		
63	17.6	0.0	35.2	
88	14.6	0.0	29.2	





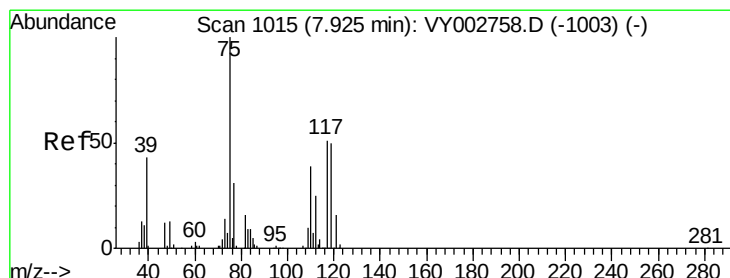
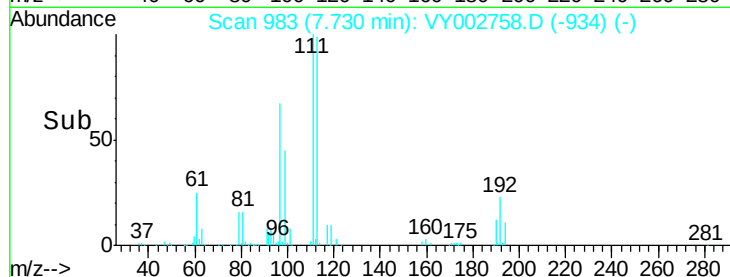
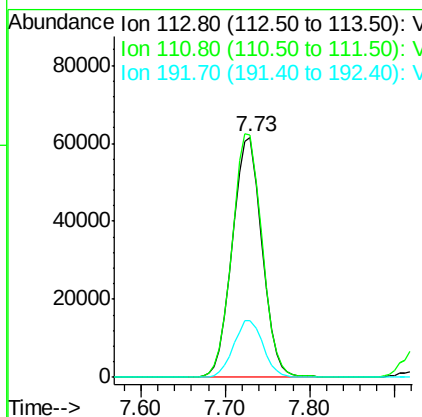
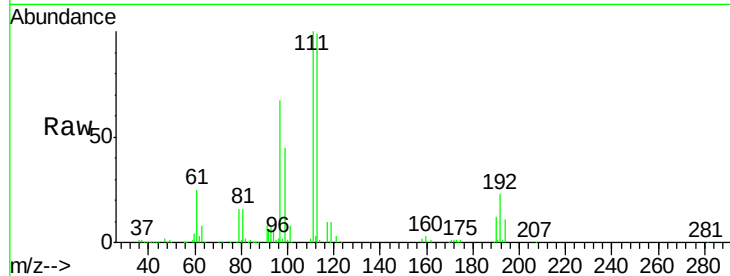
#35
Dibromofluoromethane
Concen: 53.245 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146400		
111	102.5	82.0	123.0	
192	23.6	18.9	28.3	

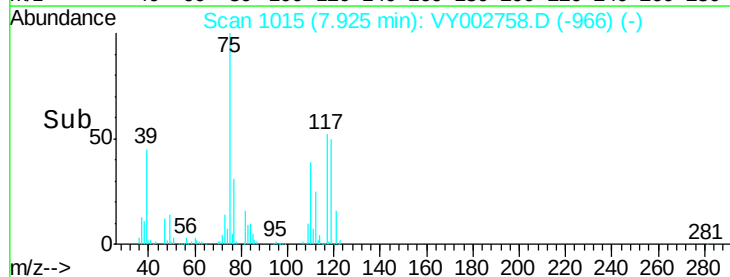
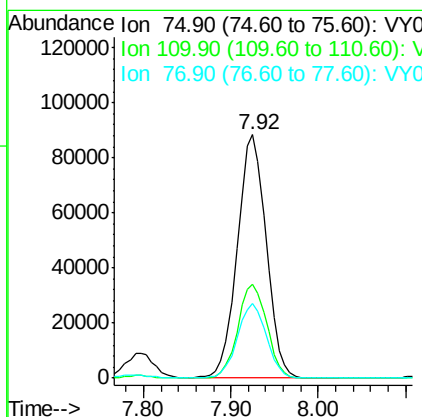
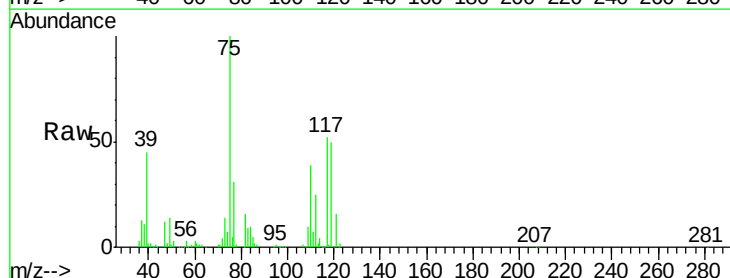
Manual Integrations
APPROVED

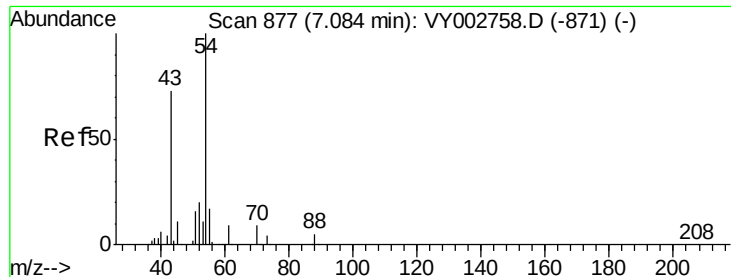
MMDadoda
5/28/2020 2:08:37 PM



#36
1,1-Dichloropropene
Concen: 48.724 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202948		
110	38.6	19.3	57.9	
77	31.0	24.8	37.2	





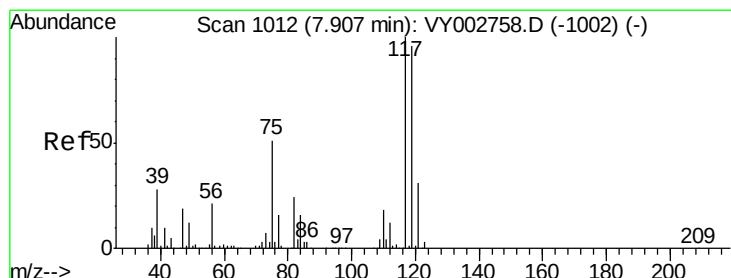
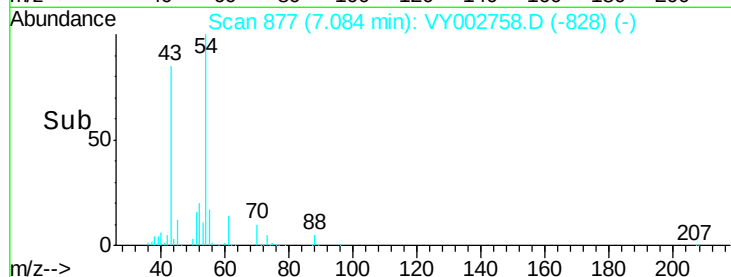
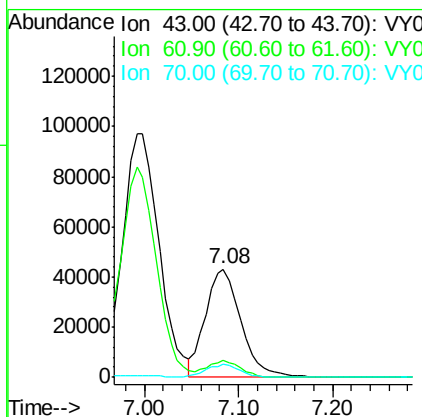
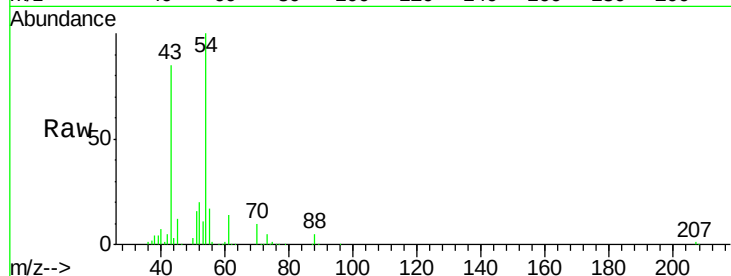
#37
Ethyl Acetate
Concen: 54.292 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	112395		
61	14.9		11.9	17.9
70	11.4		9.1	13.7

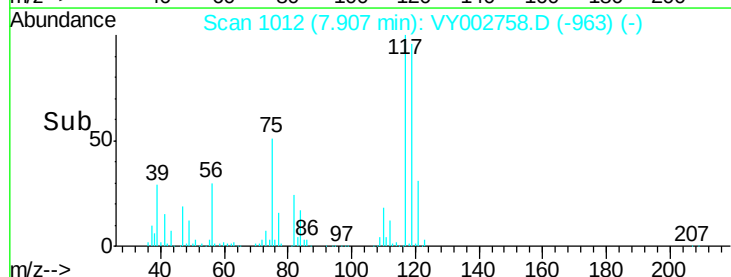
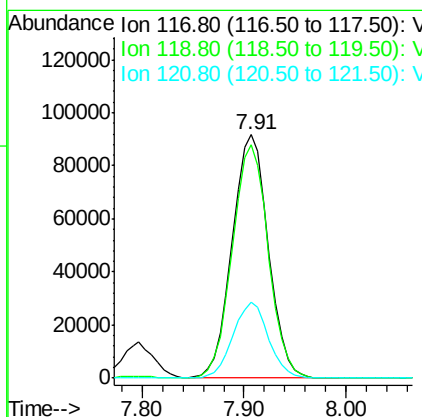
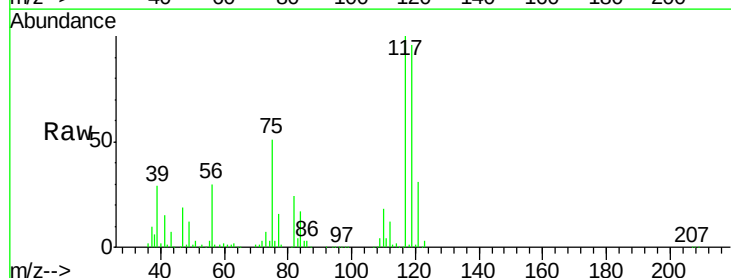
Manual Integrations
APPROVED

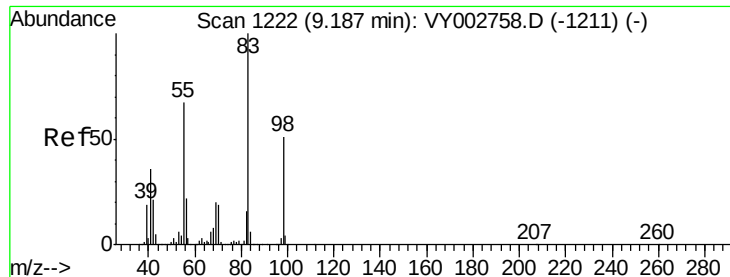
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.172 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	224959		
119	96.0		76.8	115.2
121	31.0		24.8	37.2





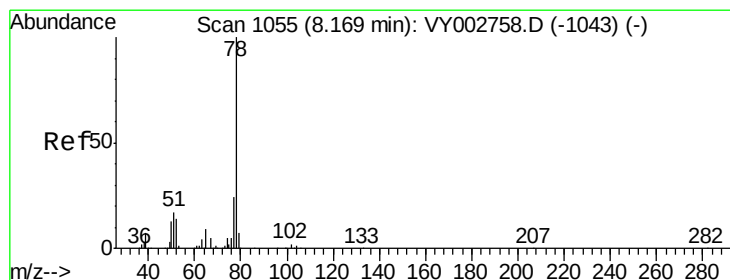
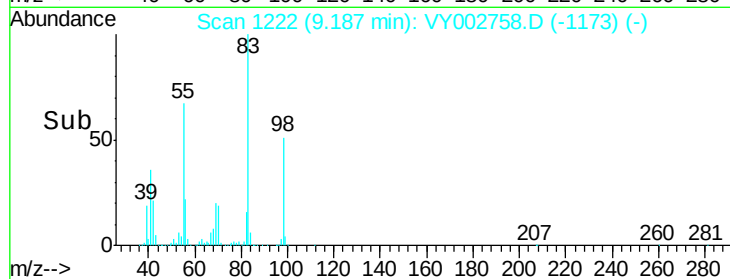
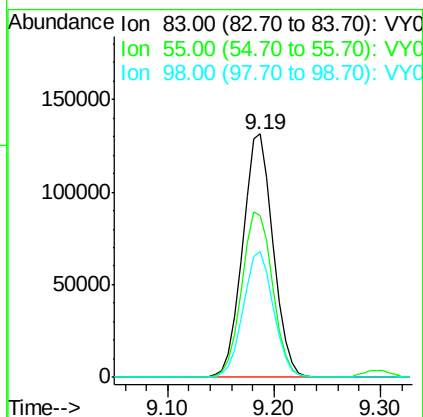
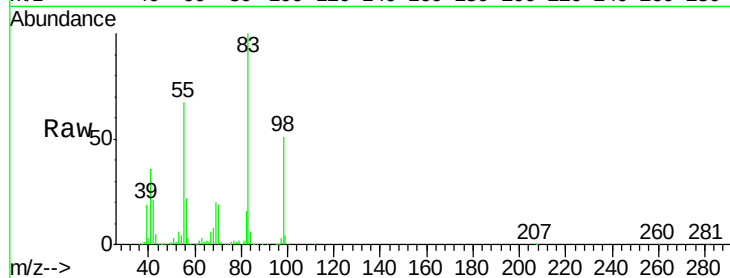
#39
Methylvlcyclohexane
Concen: 47.518 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	264614
Ion Ratio	Lower	Upper	
83	100		
55	66.6	53.3	79.9
98	51.4	41.1	61.7

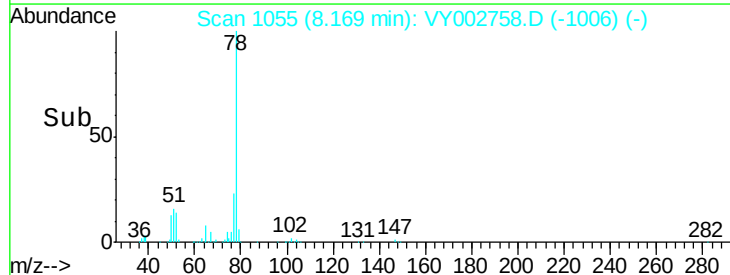
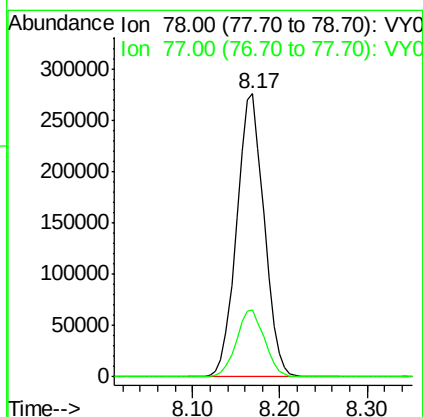
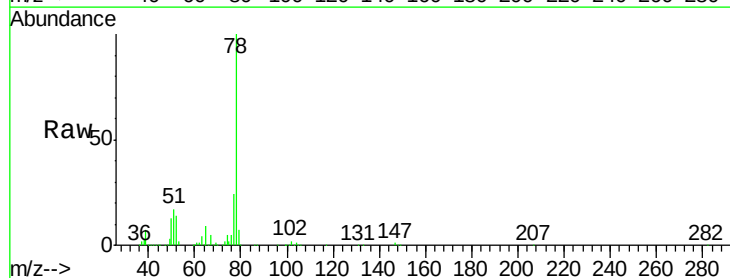
Manual Integrations
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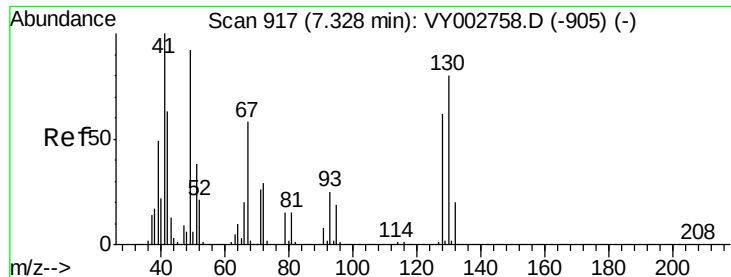
MMDadoda
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#40
Benzene
Concen: 49.446 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	78	Resp	600940
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 47.673 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 57603

Ion Ratio Lower Upper

41 100

39 122.4 97.6 146.4

67 0.0 0.0 0.0

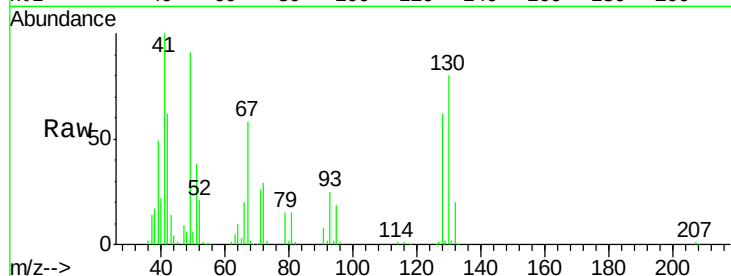
52 0.0 0.0 0.0

Manual Integrations

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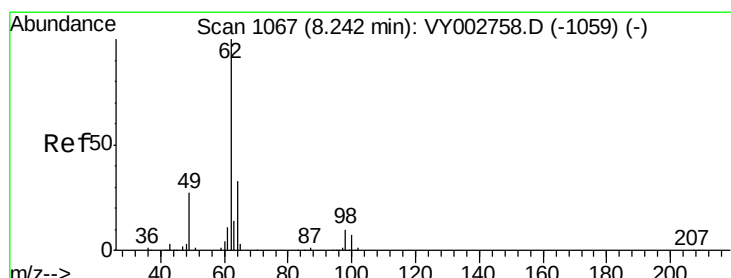
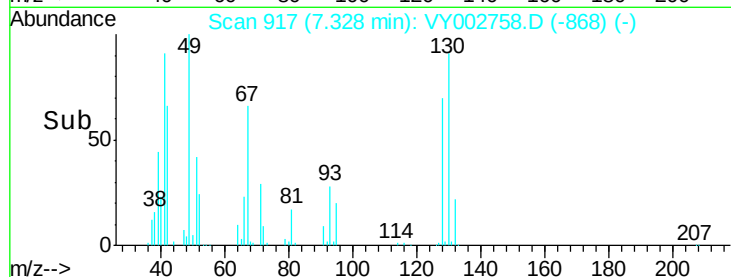
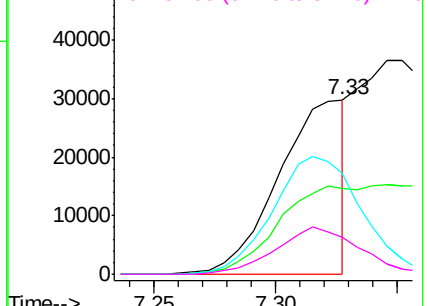


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 51.845 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002758.D

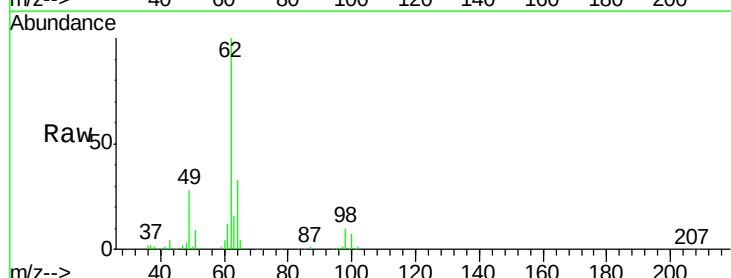
Acq: 27 May 2020 12:14

Tgt Ion: 62 Resp: 167381

Ion Ratio Lower Upper

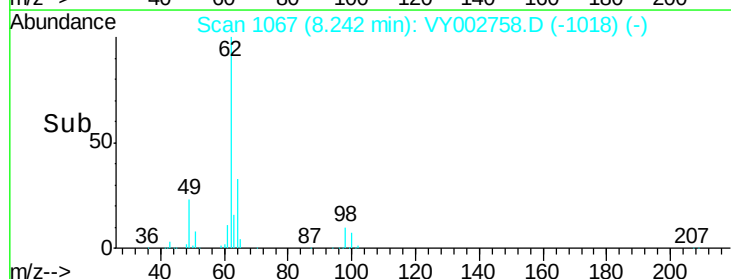
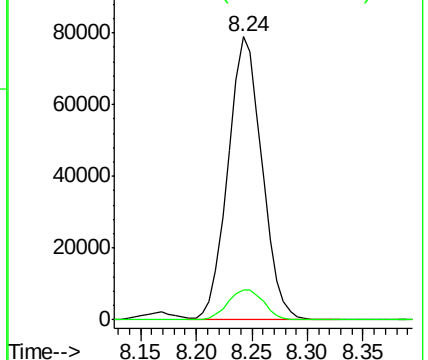
62 100

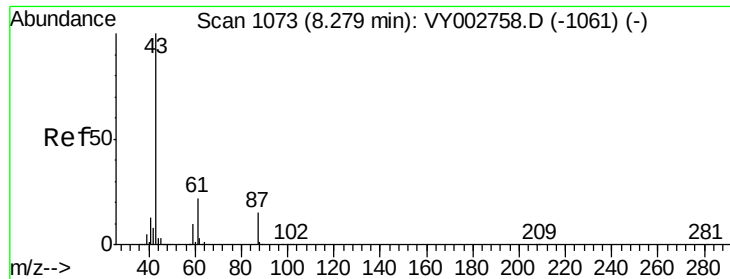
98 11.3 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 55.635 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

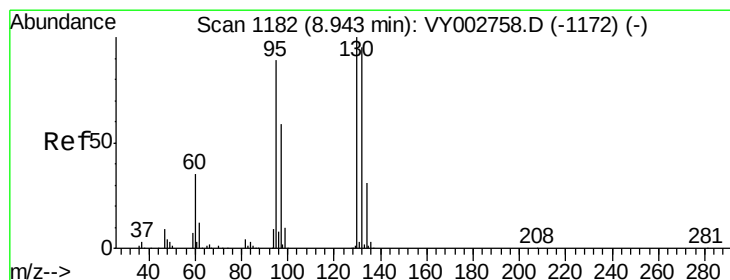
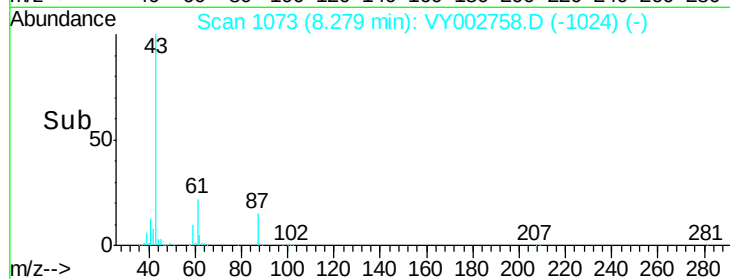
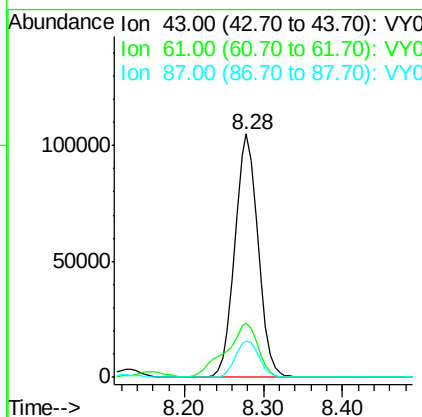
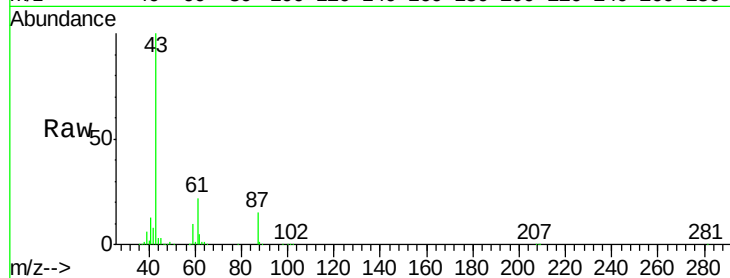
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	215092
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	15.5	12.4	18.6

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 49.095 ug/l

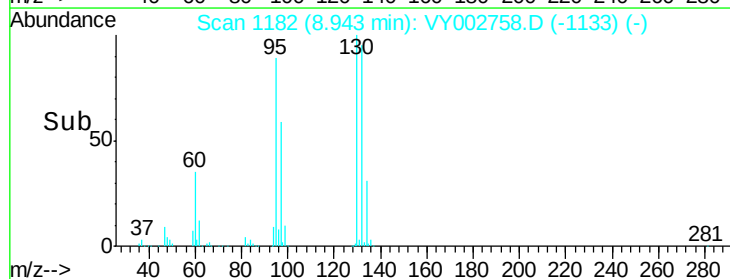
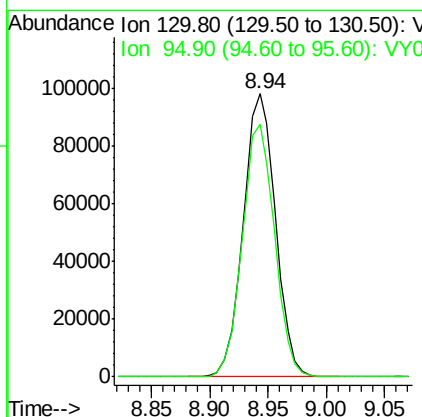
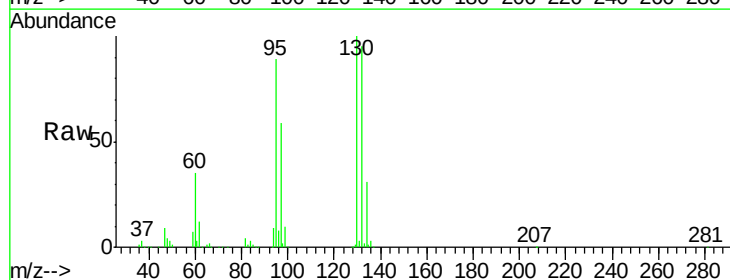
RT: 8.94 min Scan# 1182

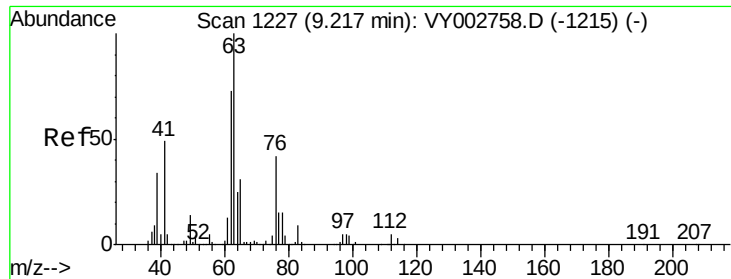
Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion:	130	Resp:	189896
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	178.8





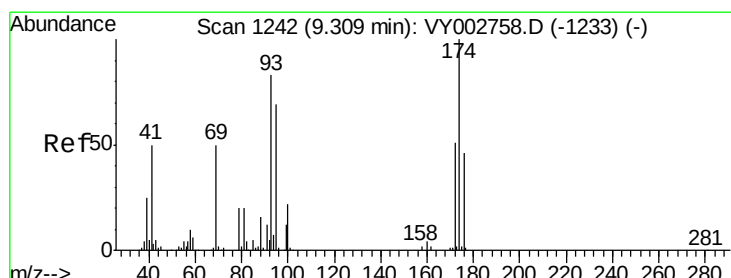
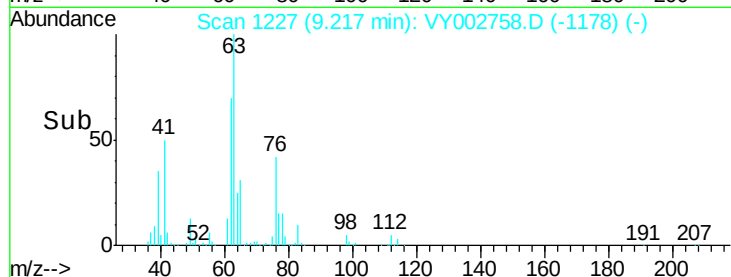
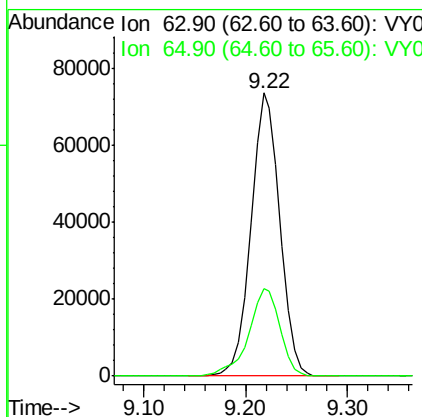
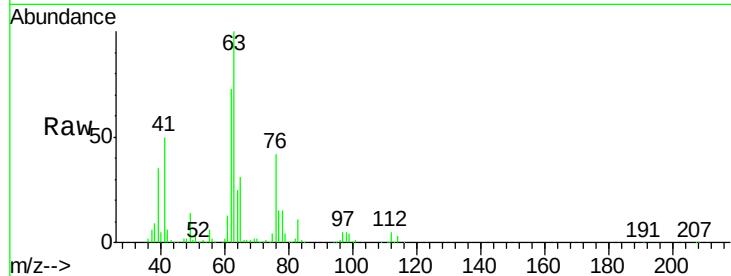
#45
 1,2-Dichloropropane
 Concen: 50.088 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

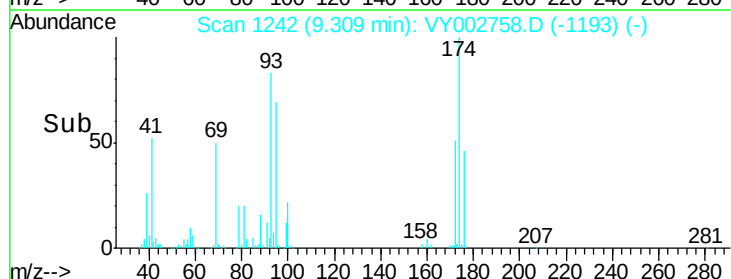
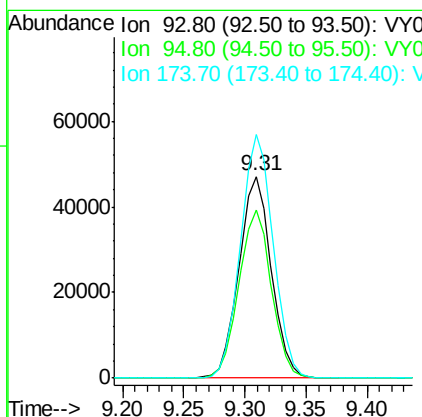
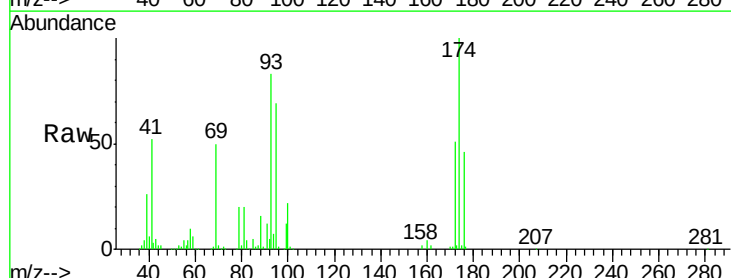
Manual Integrations
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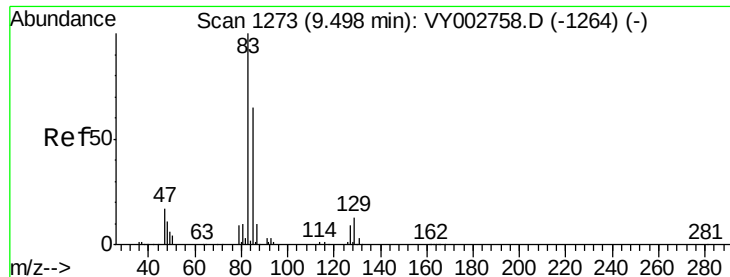
MMDadoda
 5/28/2020 2:08:37 PM



#46
 Dibromomethane
 Concen: 52.915 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.9	100.3
174	122.1	97.7	146.5





#47

Bromodichloromethane

Concen: 51.802 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

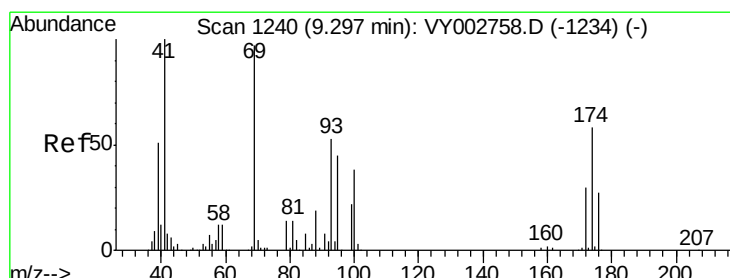
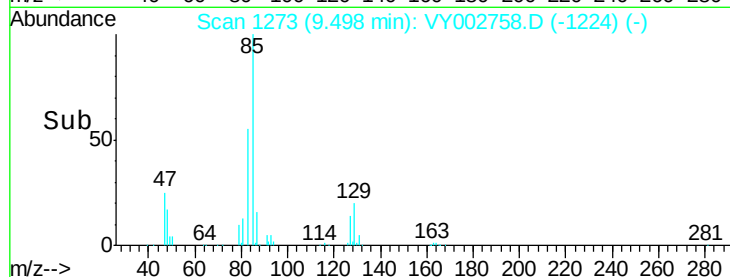
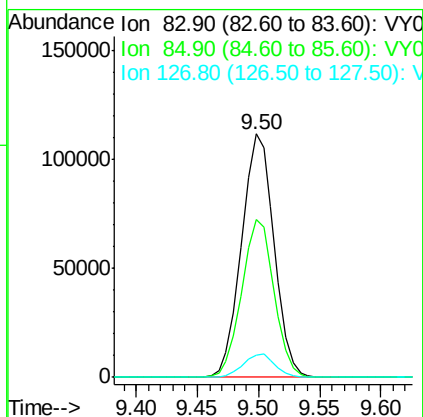
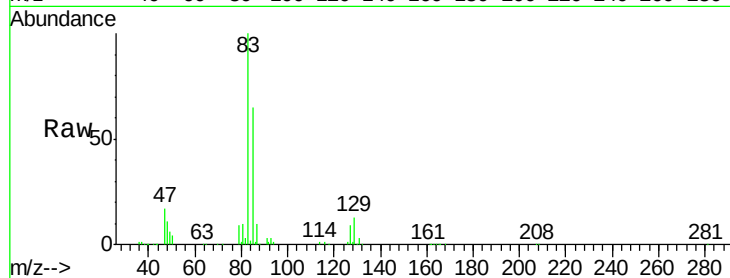
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	205908
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9
127	8.9	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:37 PM



#48

Methyl methacrylate

Concen: 54.405 ug/l

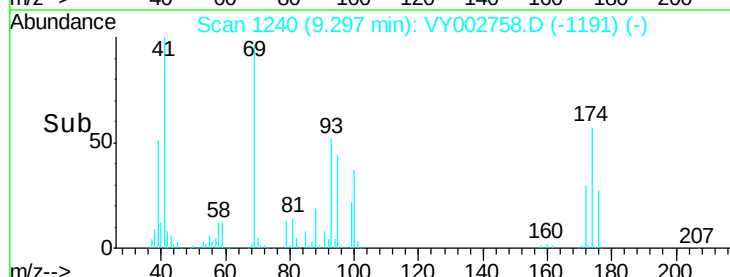
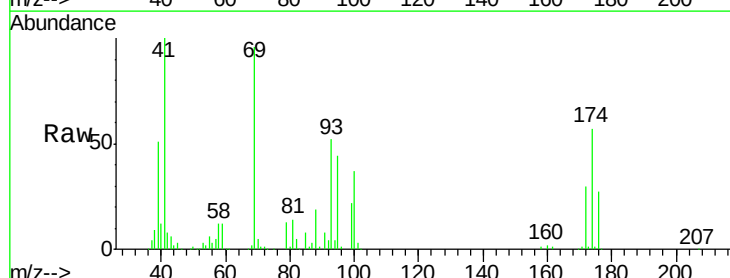
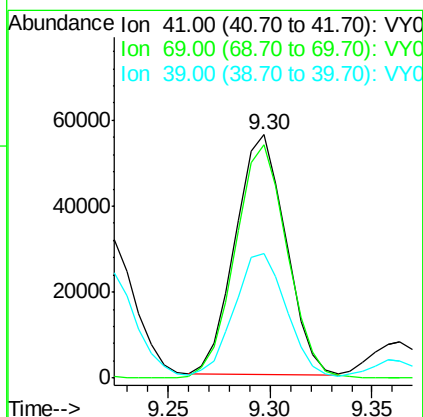
RT: 9.30 min Scan# 1240

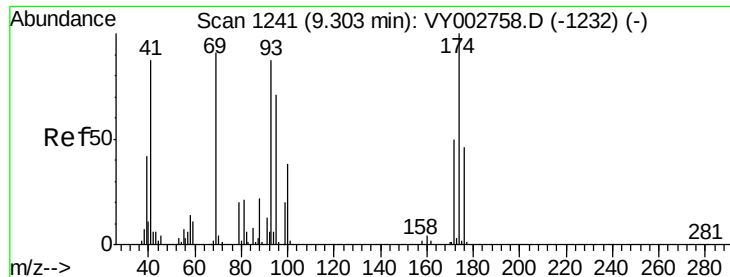
Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion:	41	Resp:	96468
Ion	Ratio	Lower	Upper
41	100		
69	99.6	79.7	119.5
39	54.1	43.3	64.9





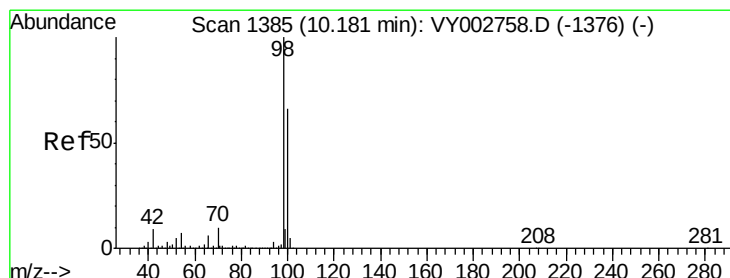
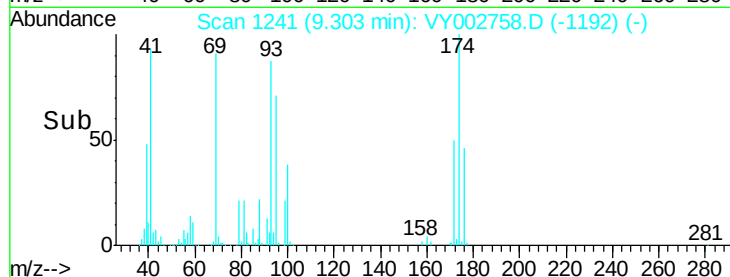
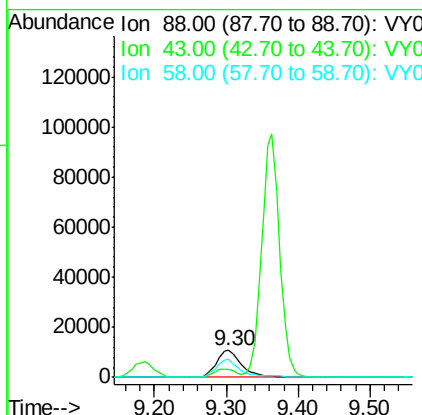
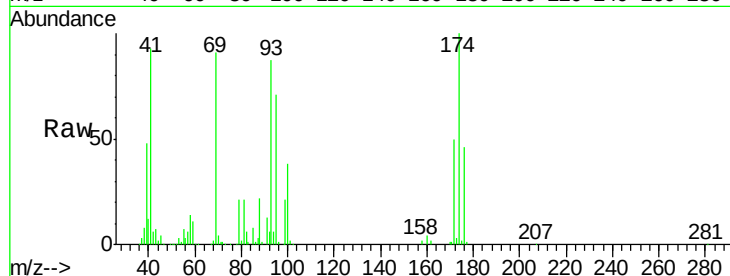
#49
1,4-Dioxane
Concen: 1164.348 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	26563
Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	65.2	52.2	78.2

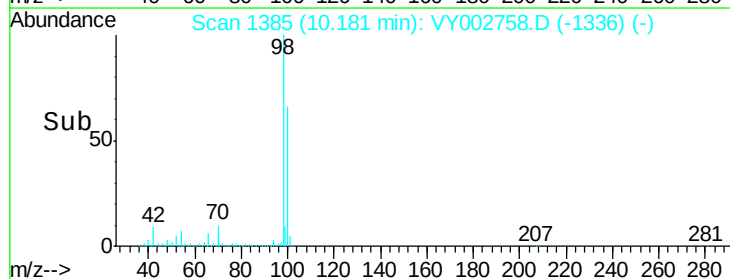
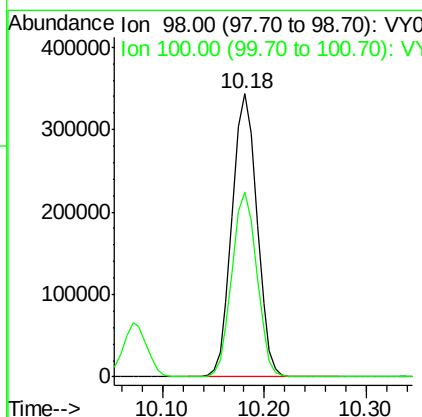
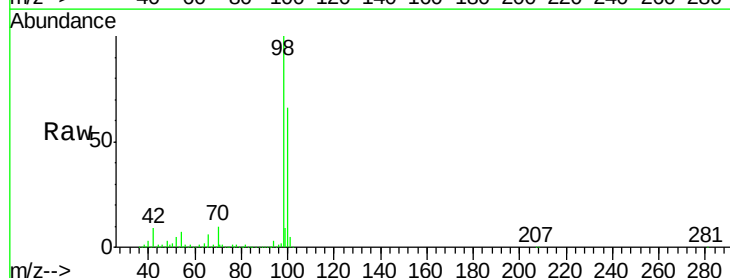
Manual Integrations
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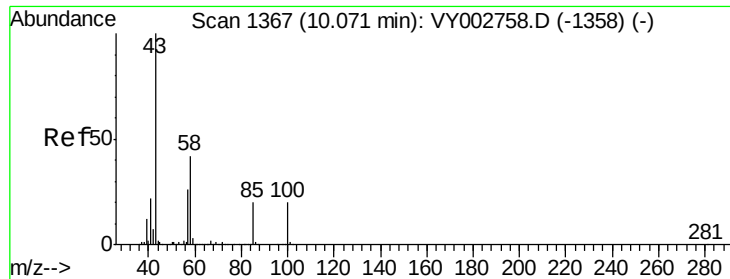
MMDadoda
5/28/2020 2:08:37 PM



#50
Toluene-d8
Concen: 52.443 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	98	Resp	579634
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





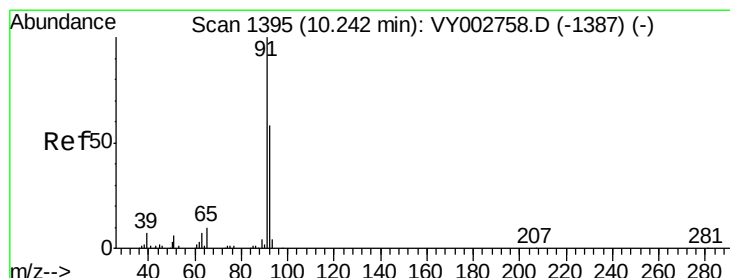
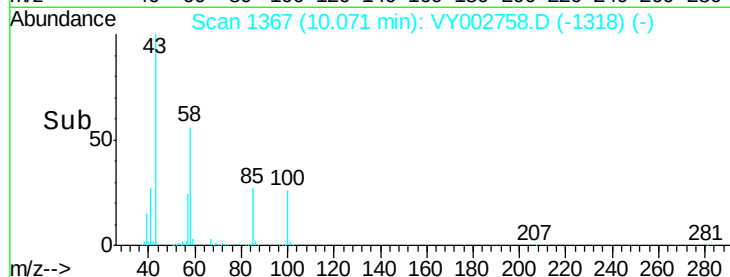
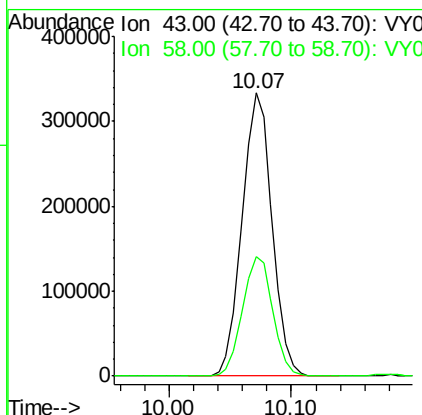
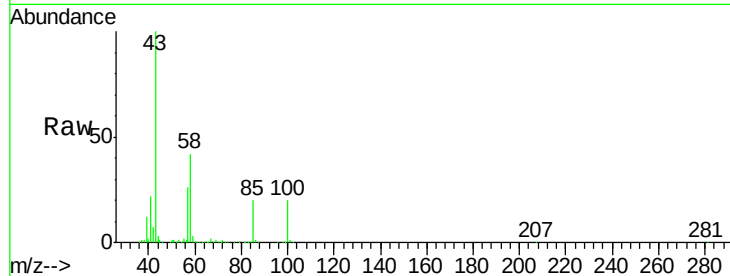
#51
4-Methyl-2-Pentanone
Concen: 282.913 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.7	34.2	51.2

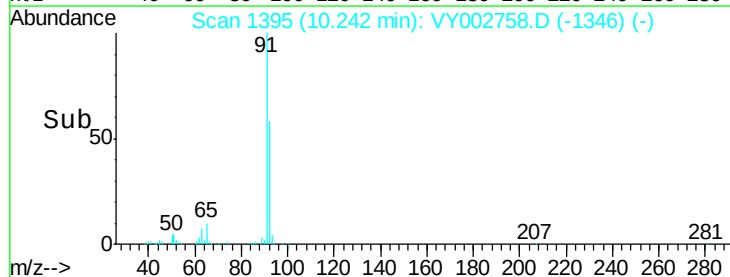
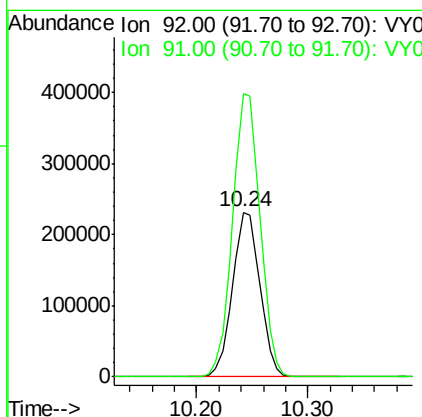
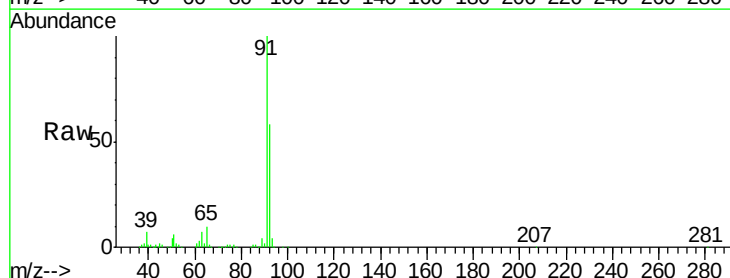
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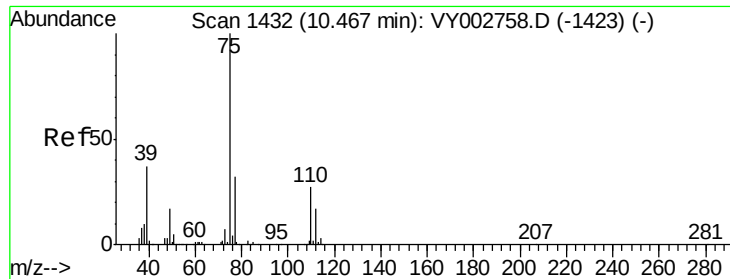
MMDadoda
5/28/2020 2:08:37 PM



#52
Toluene
Concen: 50.005 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.5	207.7





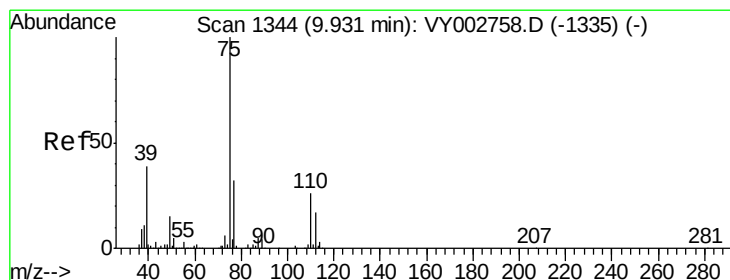
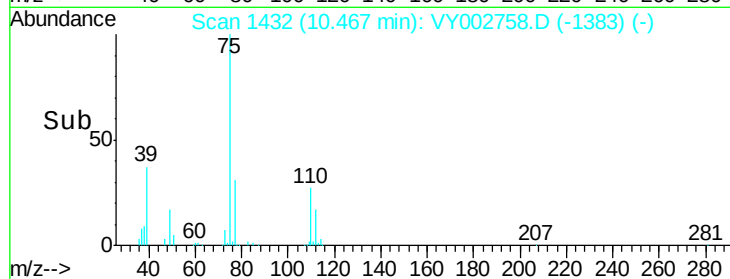
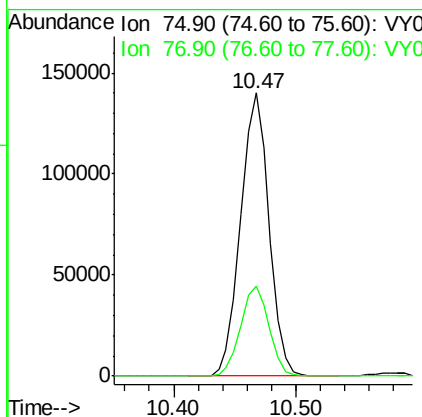
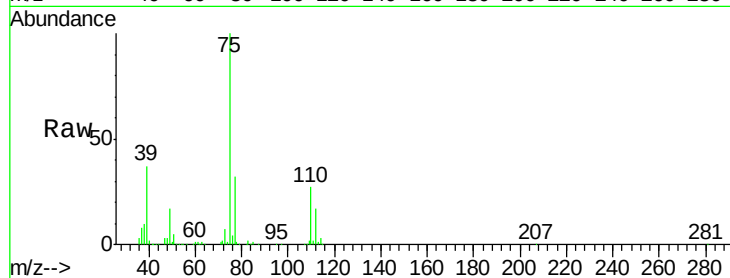
#53
t-1,3-Dichloropropene
Concen: 52.673 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

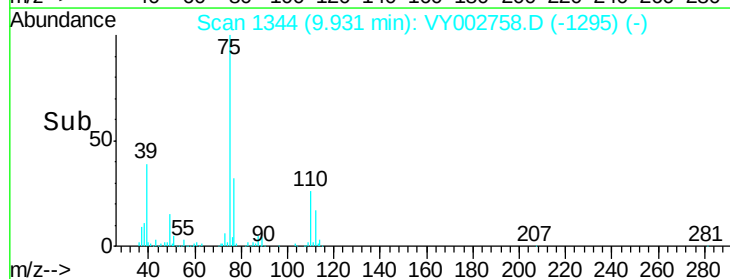
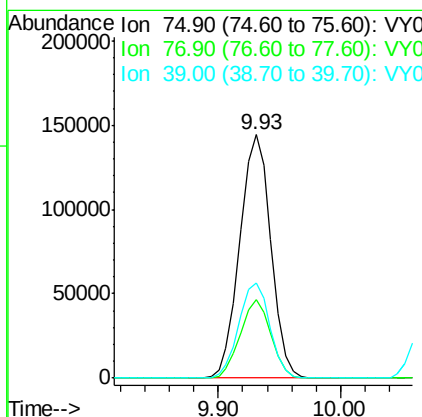
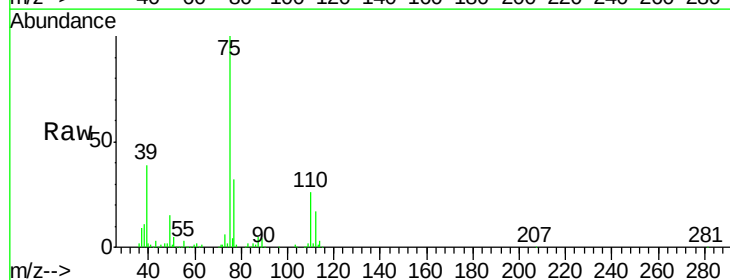
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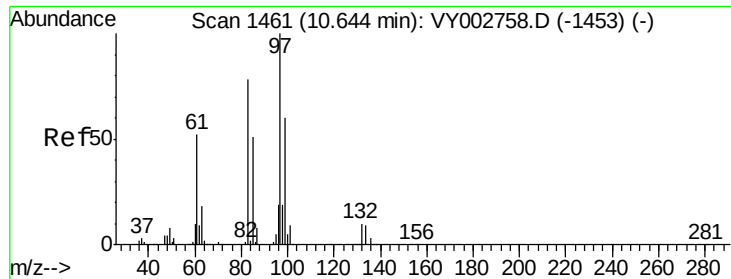
MMDadoda
5/28/2020 2:08:37 PM



#54
cis-1,3-Dichloropropene
Concen: 51.629 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	39.1	31.3	46.9





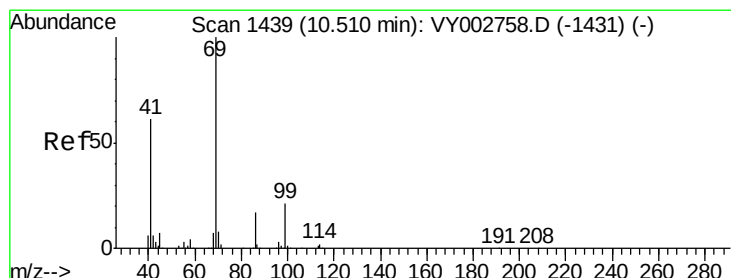
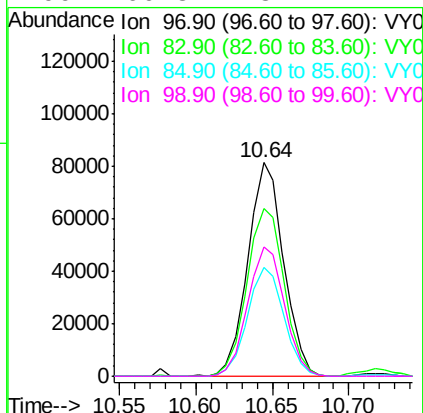
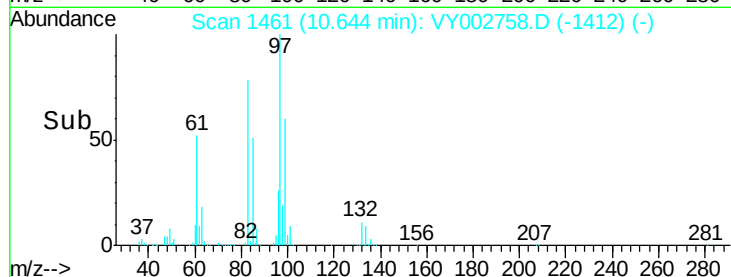
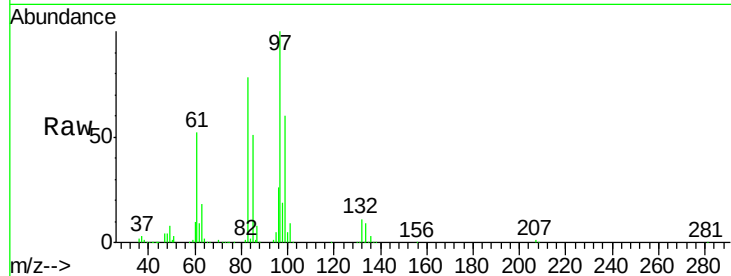
#55
 1,1,2-Trichloroethane
 Concen: 54.063 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	132670
Ion	Ratio	Lower	Upper
97	100		
83	78.4	62.7	94.1
85	50.7	40.6	60.8
99	60.3	48.2	72.4

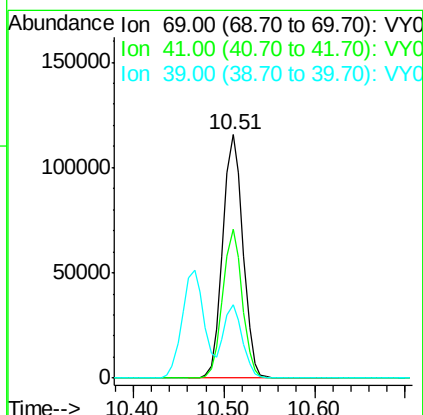
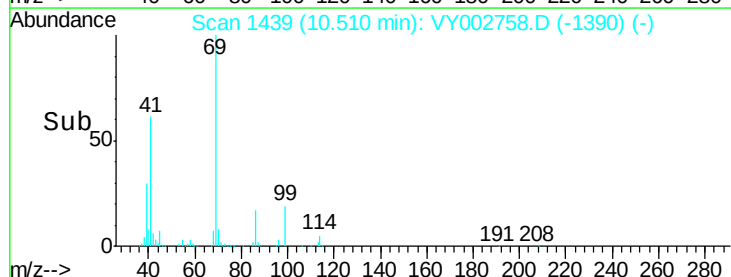
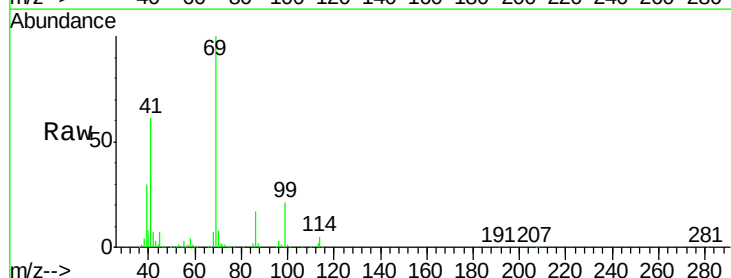
Manual Integrations
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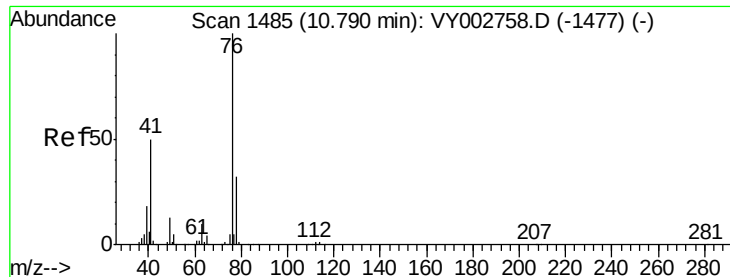
MMDadoda
 5/28/2020 2:08:37 PM



#56
 Ethyl methacrylate
 Concen: 55.296 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion:	69	Resp:	180033
Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.0	70.4
39	27.5	22.0	33.0





#57

1,3-Dichloropropane

Concen: 52.950 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 216189

Ion Ratio Lower Upper

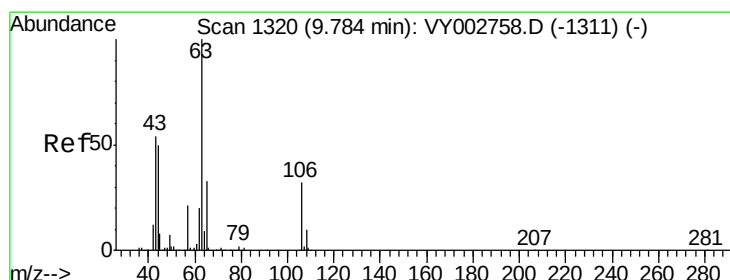
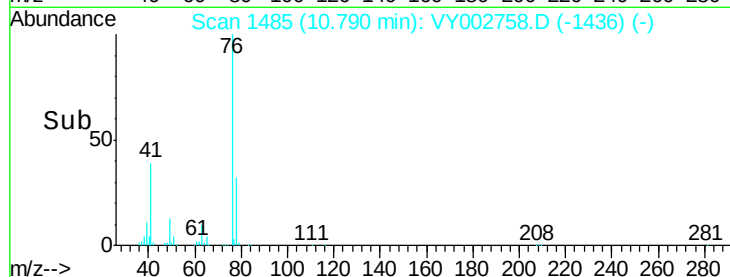
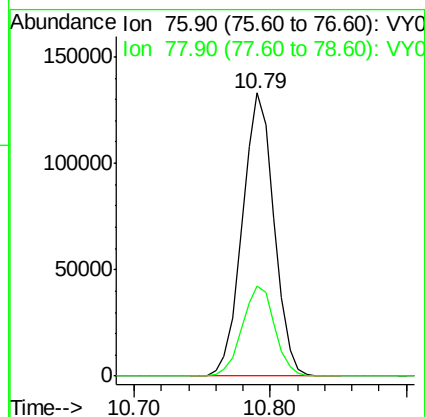
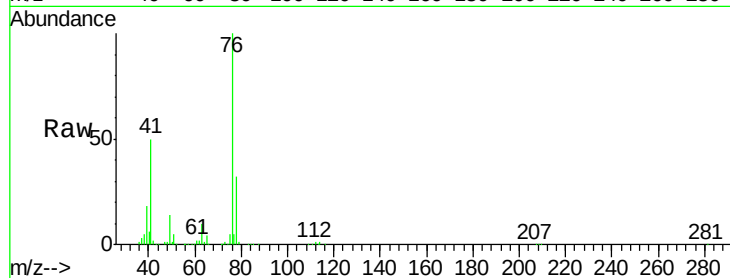
76 100

78 32.6 26.1 39.1

Manual Integrations
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5/28/2020 2:08:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 266.605 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002758.D

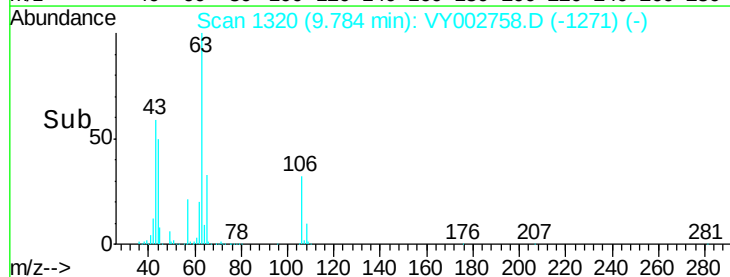
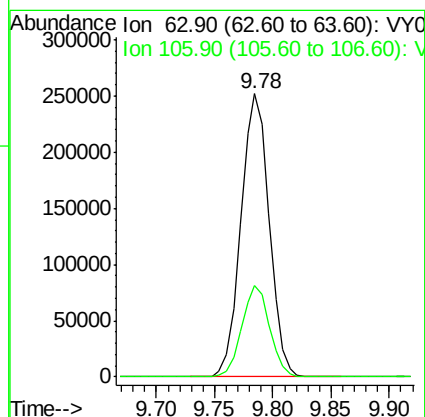
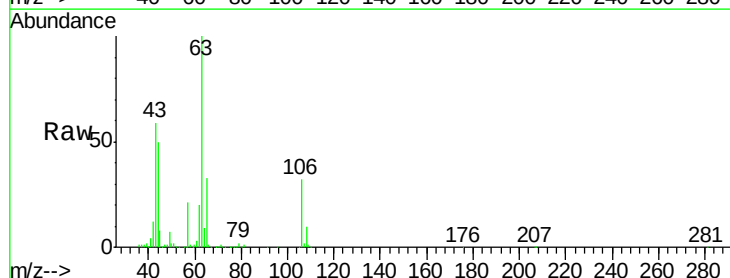
Acq: 27 May 2020 12:14

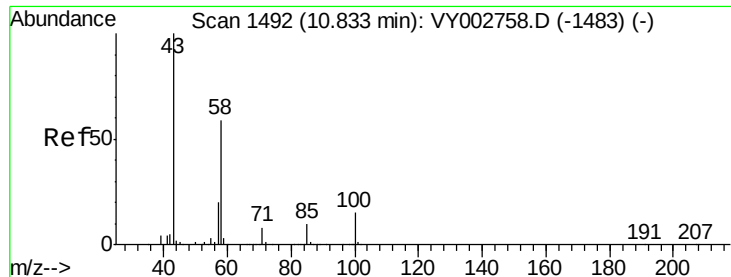
Tgt Ion: 63 Resp: 426257

Ion Ratio Lower Upper

63 100

106 31.8 25.4 38.2





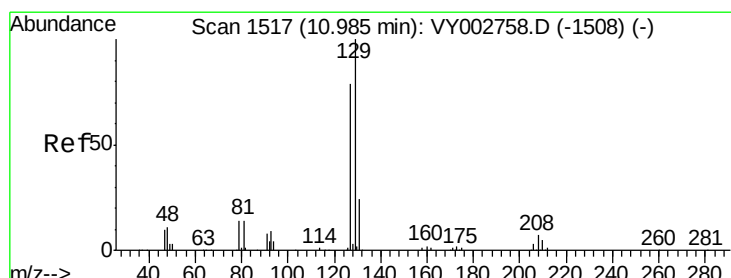
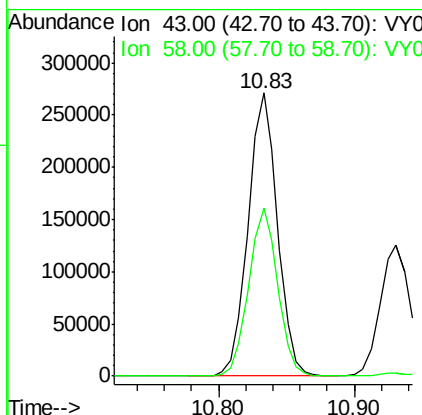
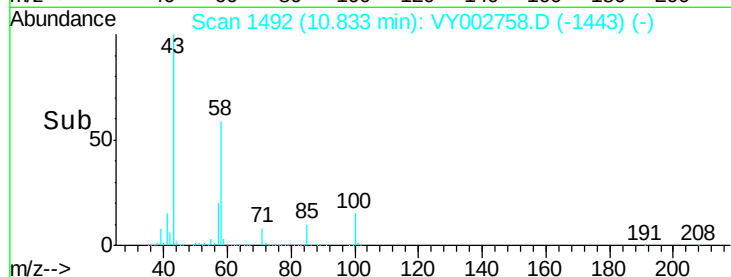
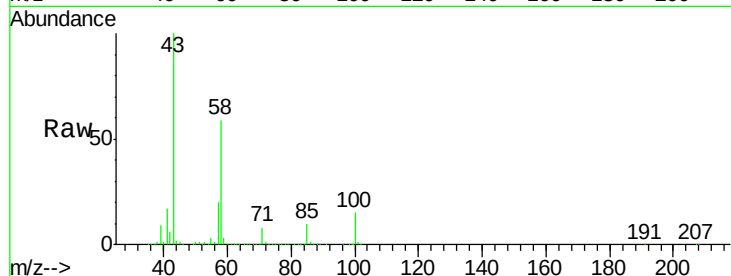
#59
2-Hexanone
Concen: 291.646 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 409270
Ion Ratio Lower Upper
43 100
58 59.0 29.5 88.5

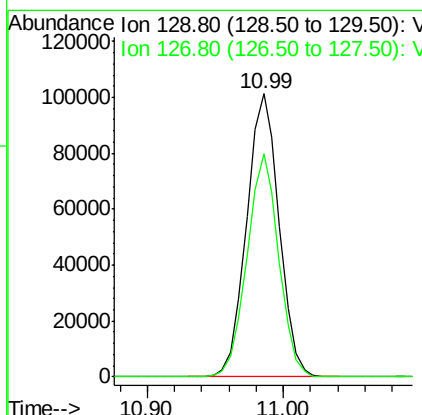
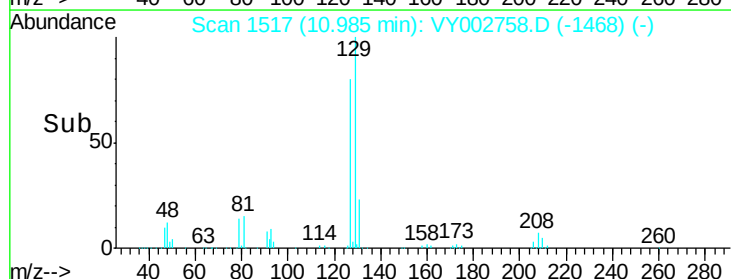
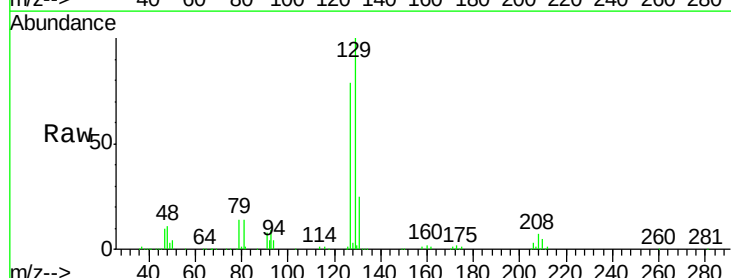
Manual Integrations
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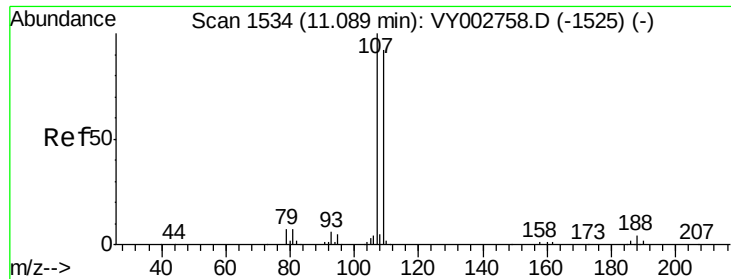
MMDadoda
5/28/2020 2:08:37 PM



#60
Dibromochloromethane
Concen: 54.104 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion: 129 Resp: 168762
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





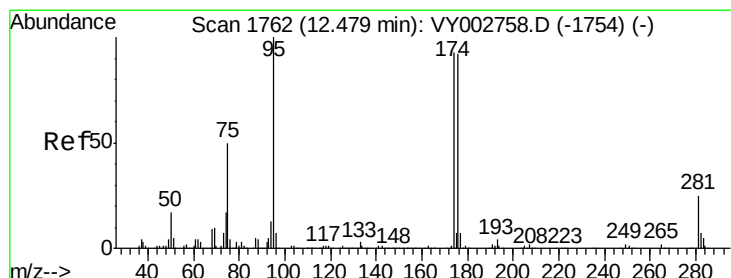
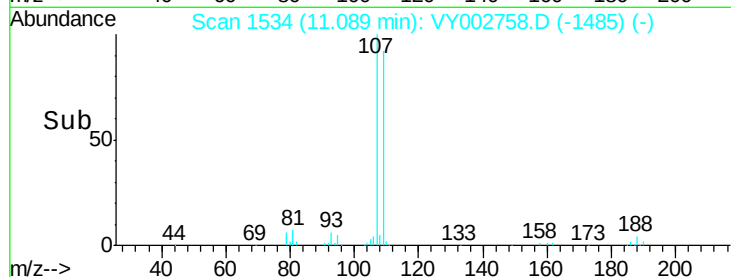
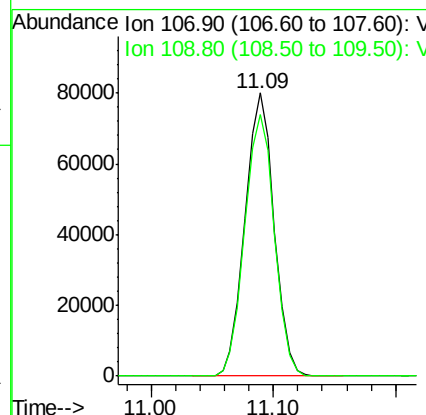
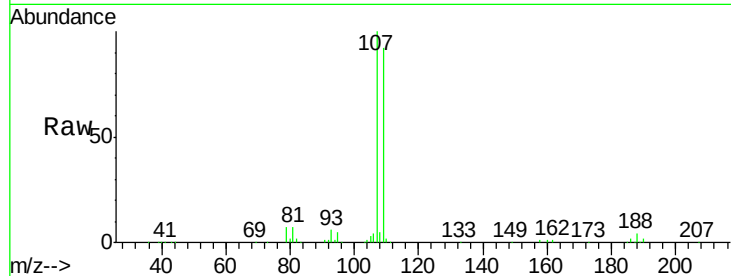
#61
 1,2-Dibromoethane
 Concen: 54.438 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	131376		
109	94.5	75.6	113.4	

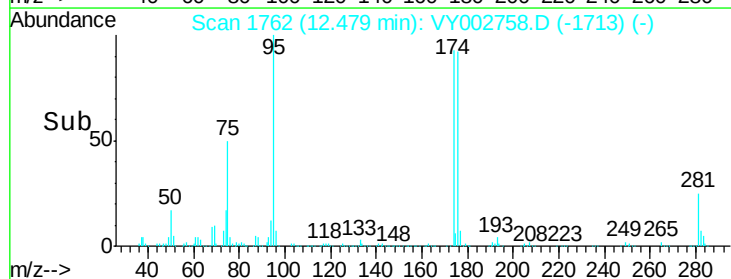
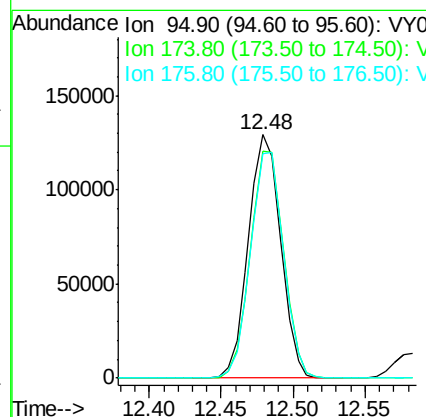
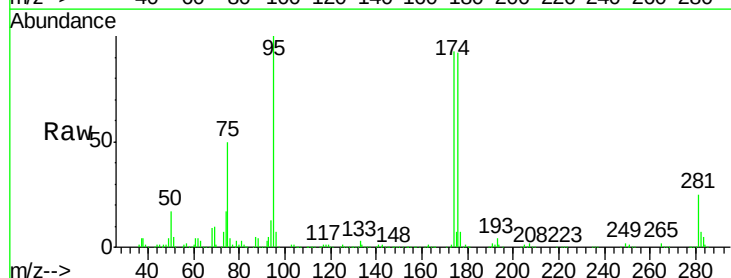
Manual Integrations
 APPROVED

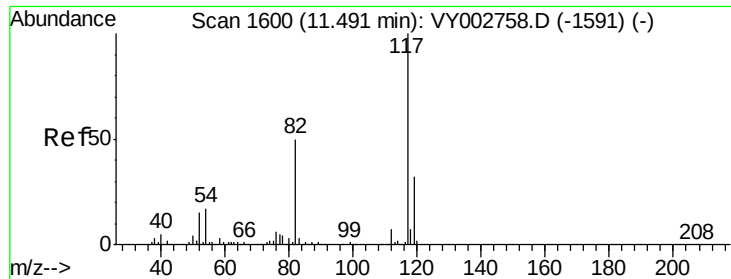
MMDadoda
 5/28/2020 2:08:37 PM



#62
 4-Bromofluorobenzene
 Concen: 52.520 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	200247		
174	95.6	0.0	191.2	
176	94.4	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: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

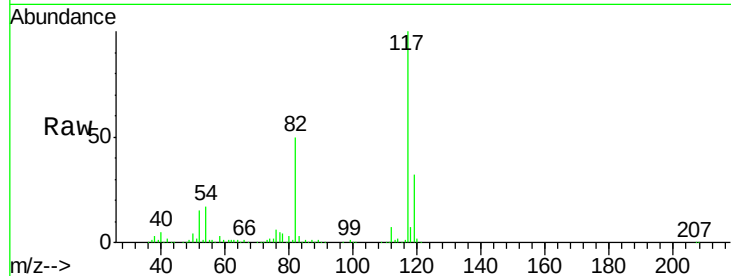
ClientSampleId :

VSTDICCC050

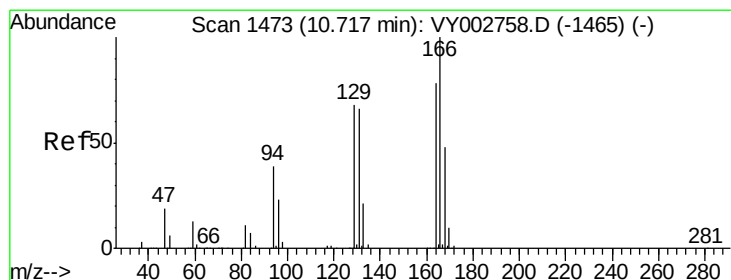
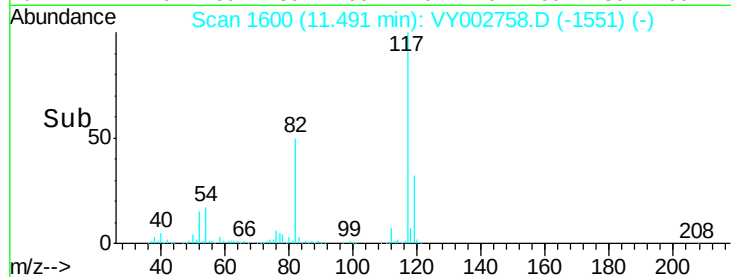
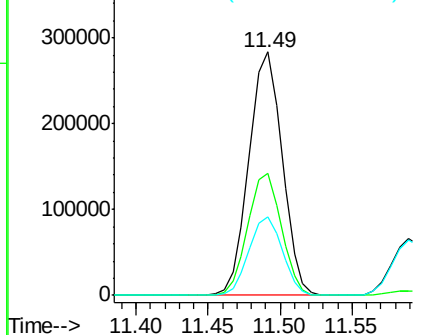
Tot Ion:	117	Resp:	455182
Ion Ratio	Lower	Upper	
117	100		
82	50.3	40.2	60.4
119	32.3	25.8	38.8

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.546 ug/l

RT: 10.72 min Scan# 1473

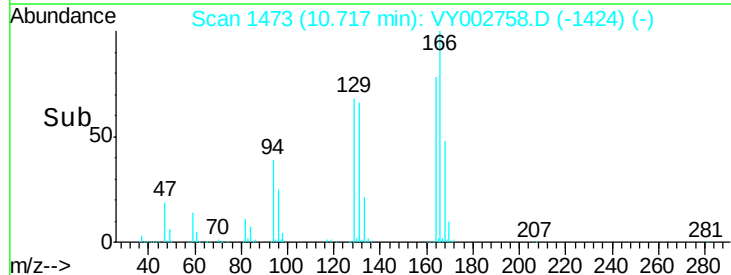
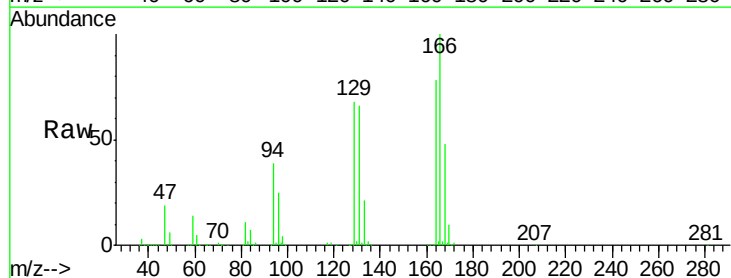
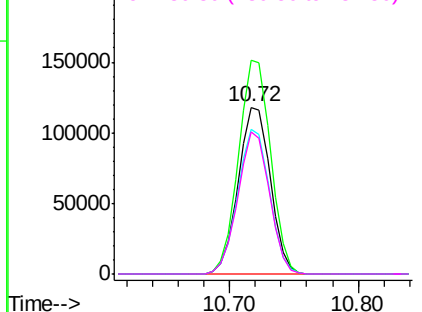
Delta R.T. 0.00 min

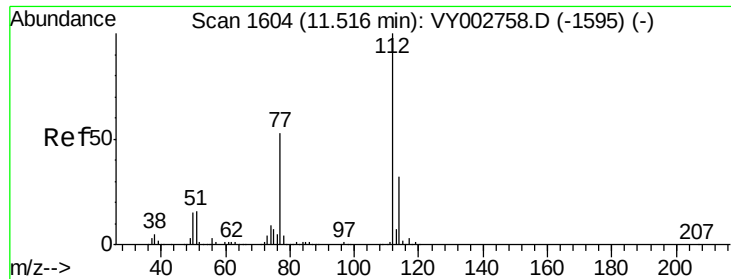
Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion:	164	Resp:	203026
Ion Ratio	Lower	Upper	
164	100		
166	127.9	102.3	153.5
129	86.8	69.4	104.2
131	84.7	67.8	101.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





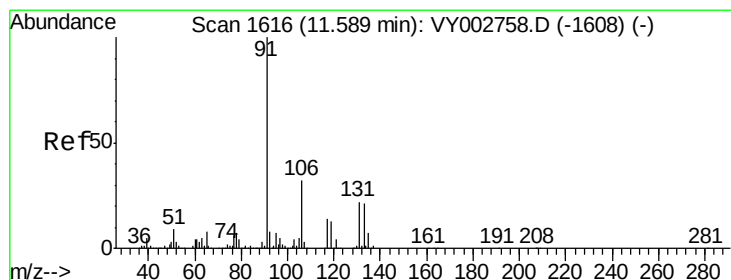
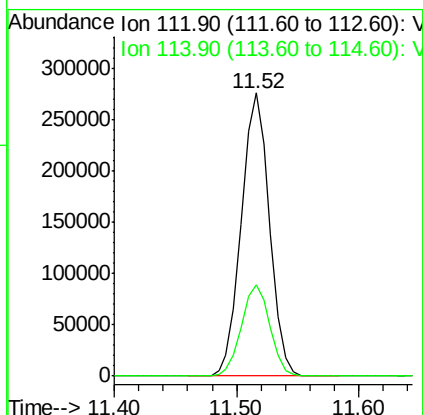
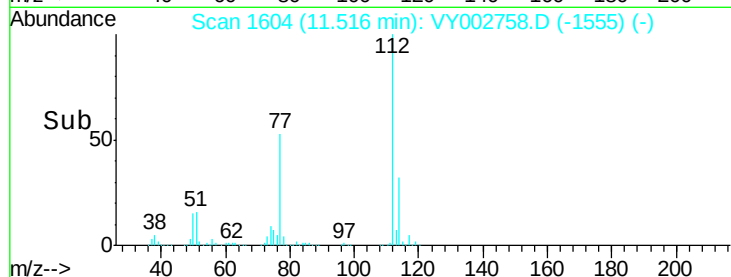
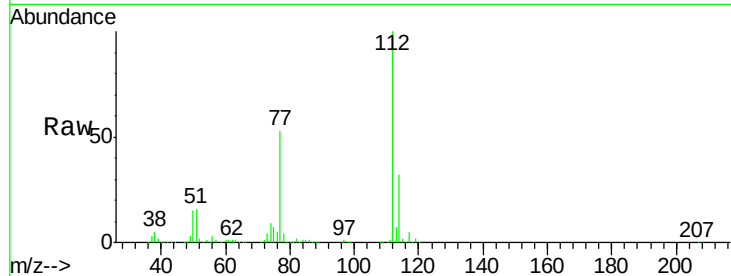
#65
Chlorobenzene
Concen: 50.021 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 439757
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

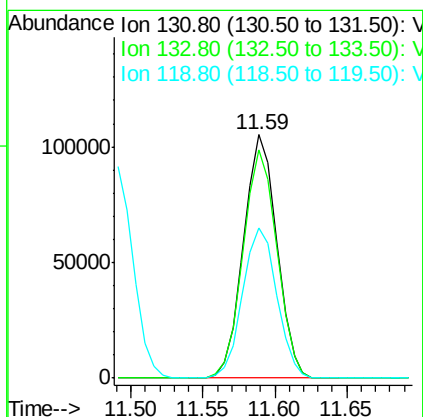
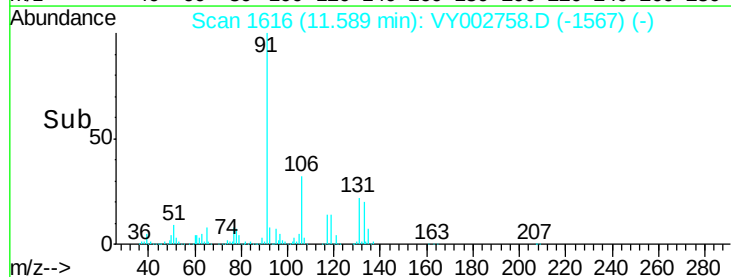
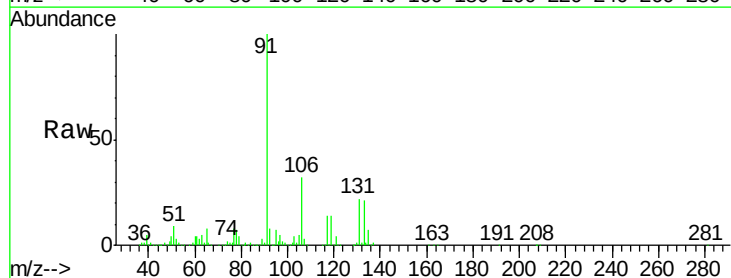
Manual Integrations
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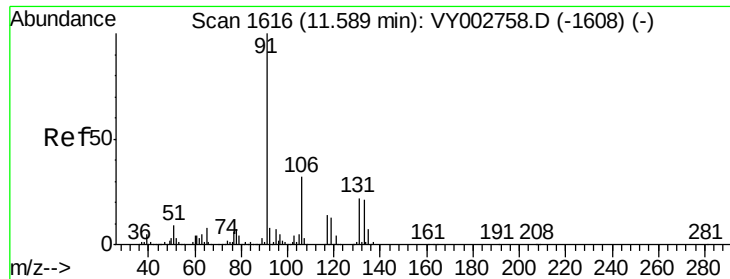
MMDadoda
5/28/2020 2:08:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.546 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion:131 Resp: 168819
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 63.4 31.7 95.1





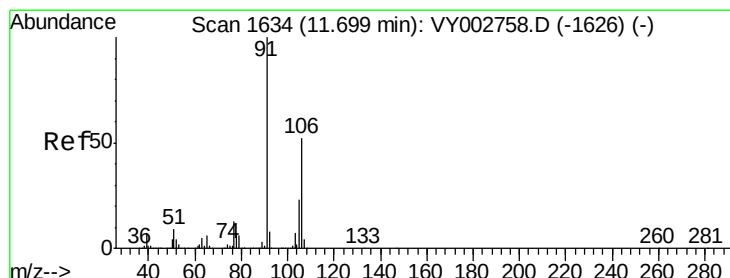
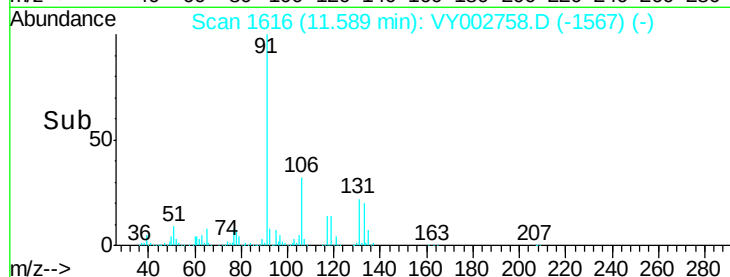
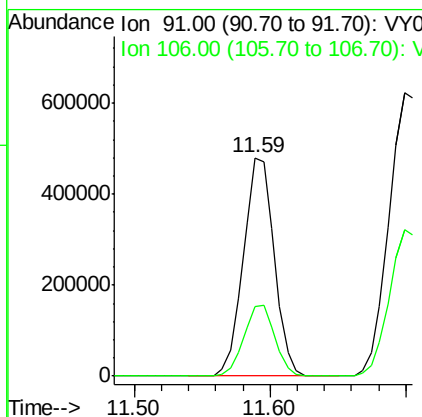
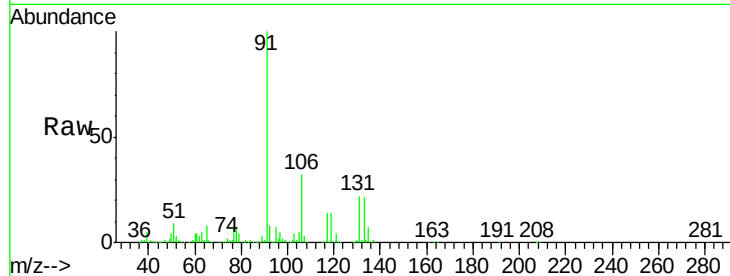
#67
Ethyl Benzene
Concen: 49.411 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 760837
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

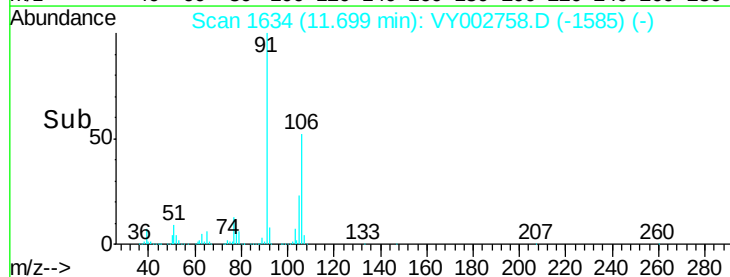
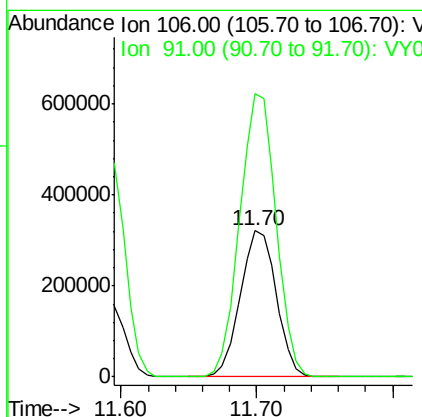
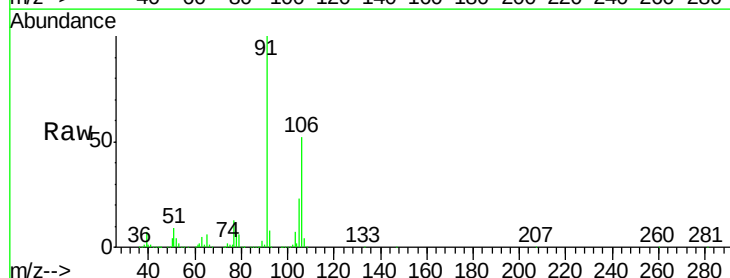
Manual Integrations
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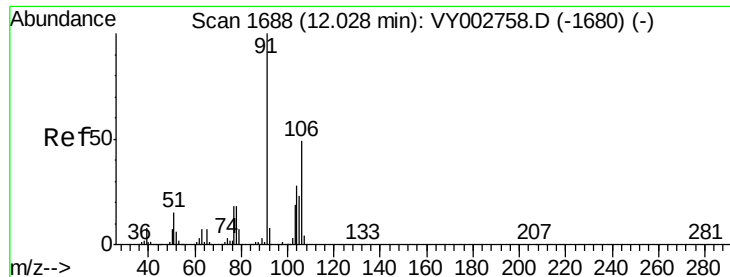
MMDadoda
5/28/2020 2:08:37 PM



#68
m/p-Xylenes
Concen: 99.082 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion: 106 Resp: 593699
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0





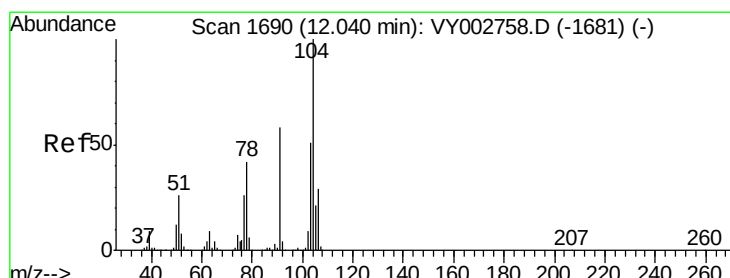
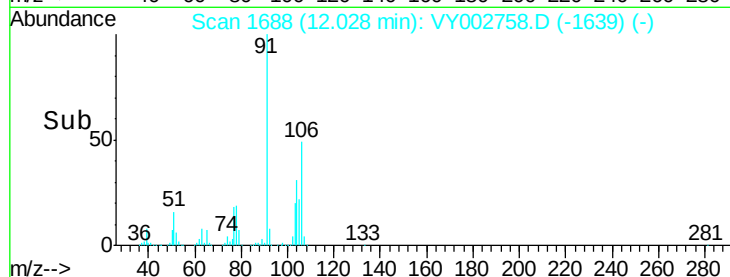
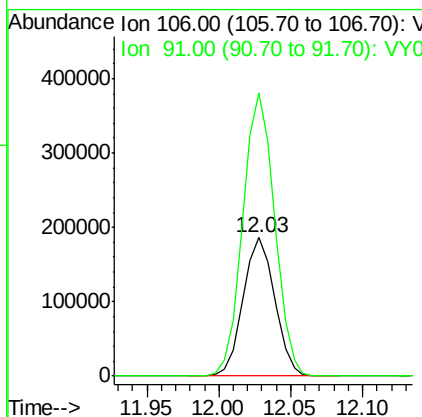
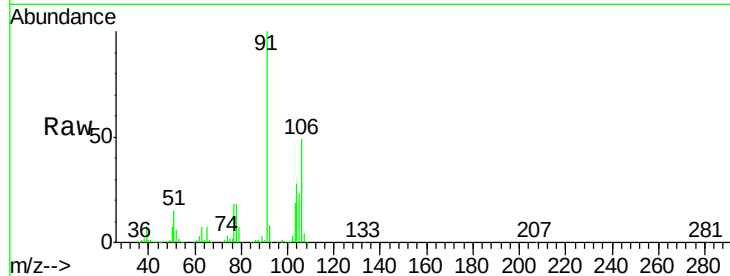
#69
o-Xylene
Concen: 50.238 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.7	102.4	307.1

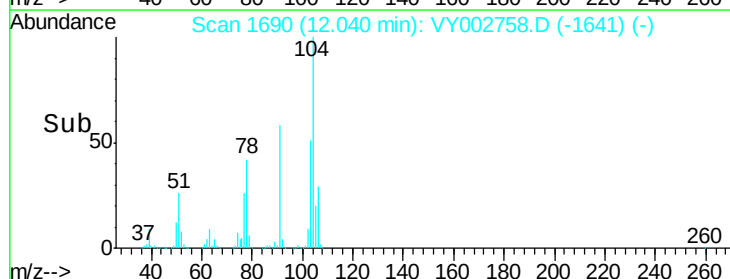
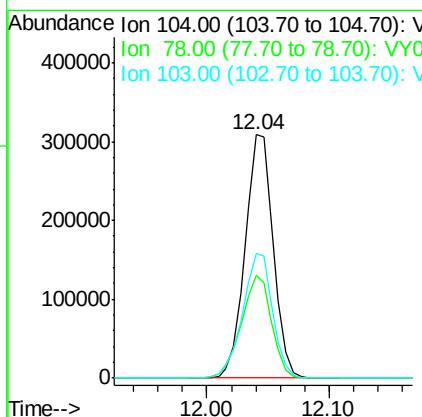
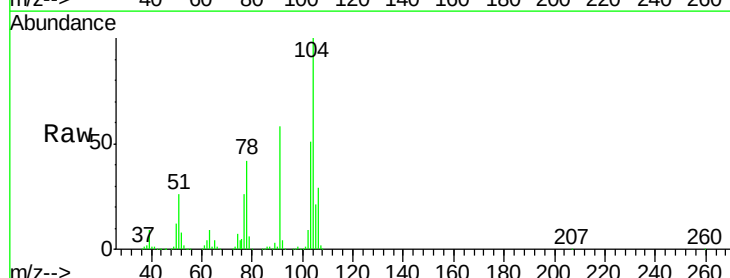
Manual Integrations
APPROVED

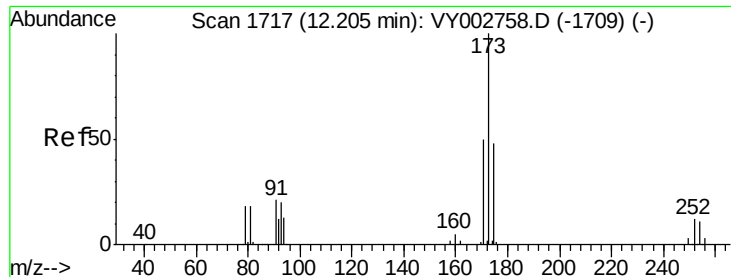
MMDadoda
5/28/2020 2:08:37 PM



#70
Styrene
Concen: 50.910 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.2	54.4
103	54.5	43.6	65.4





#71

Bromoform

Concen: 55.232 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 112813

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

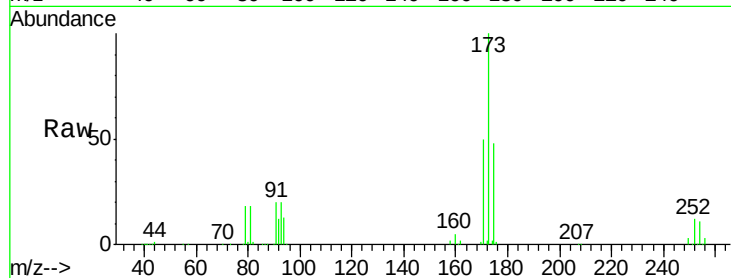
254 0.1 0.1 0.1#

Manual Integrations

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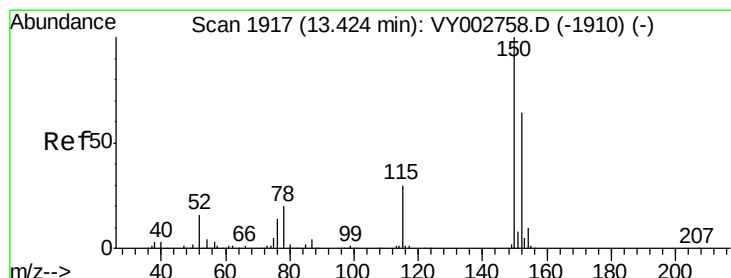
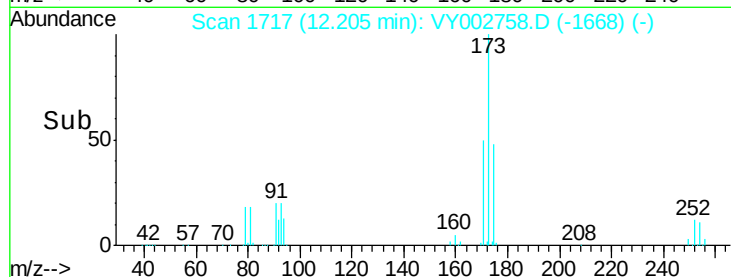
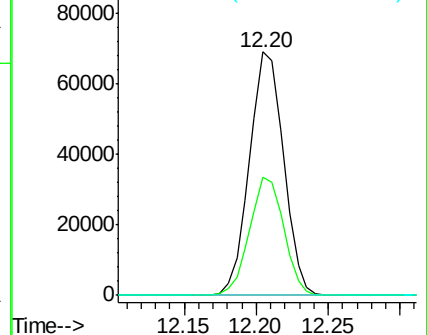
5/28/2020 2:08:37 PM



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: VY002758.D

Acq: 27 May 2020 12:14

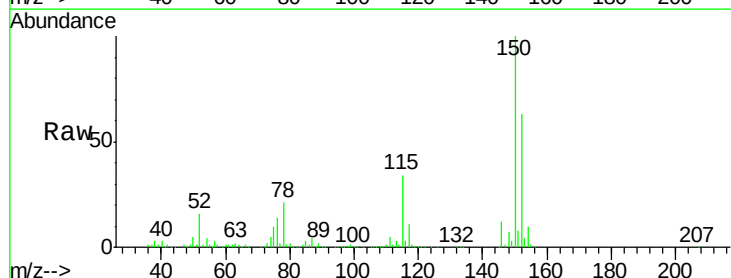
Tgt Ion:152 Resp: 245384

Ion Ratio Lower Upper

152 100

115 54.0 27.0 81.0

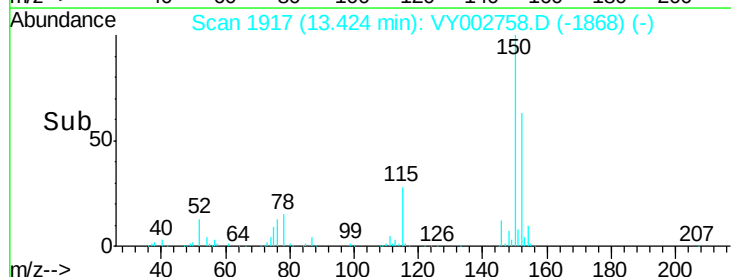
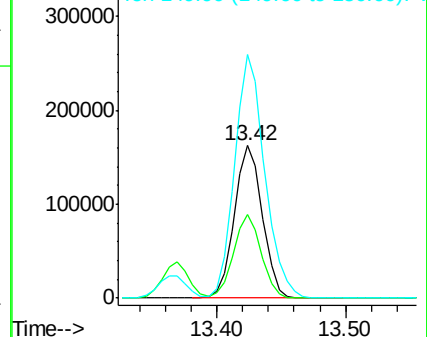
150 172.4 0.0 344.8

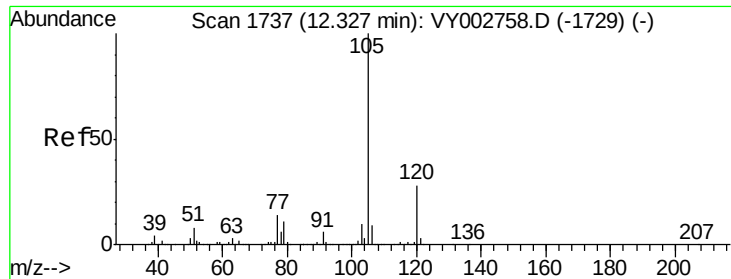


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





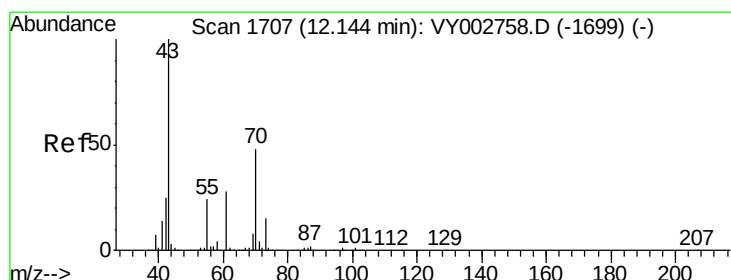
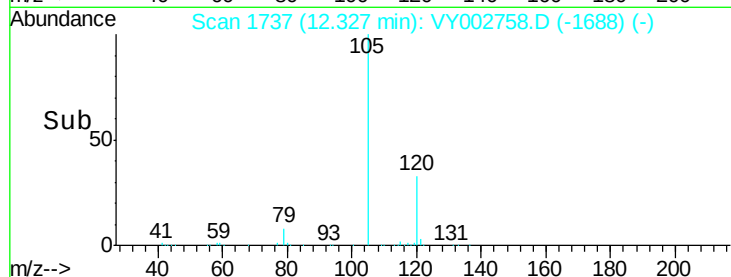
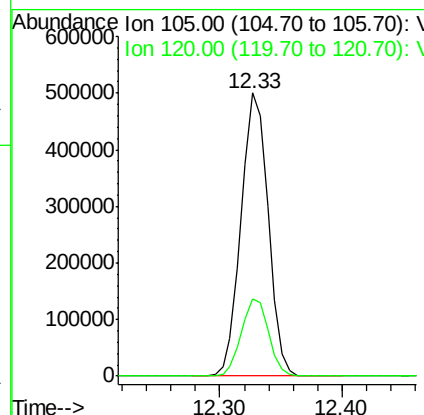
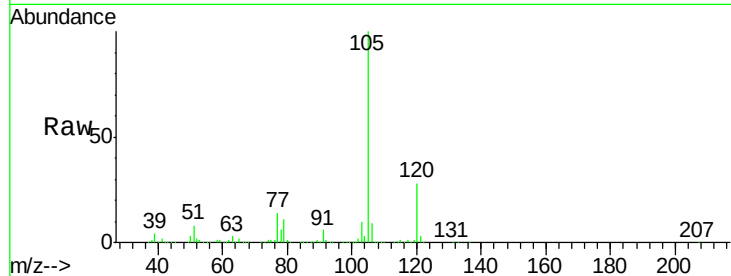
#73
Isopropylbenzene
Concen: 48.132 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.7	41.1

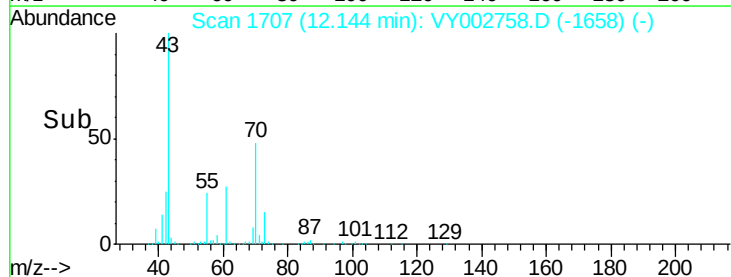
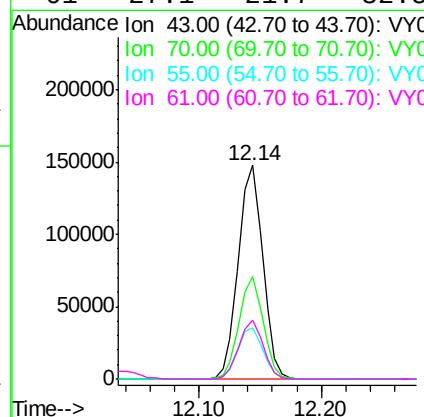
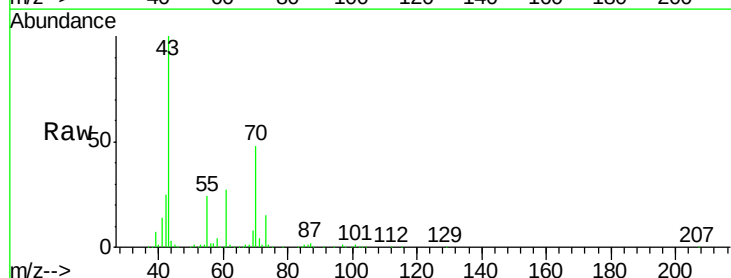
Manual Integrations
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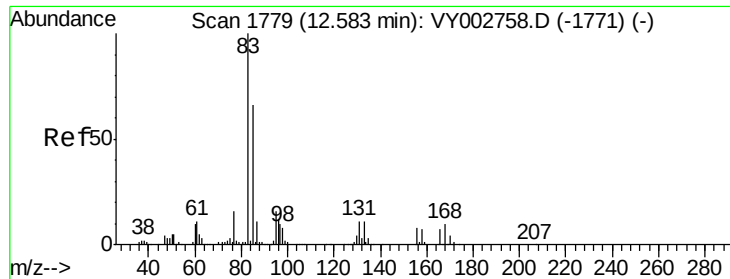
MMDadoda
5/28/2020 2:08:37 PM



#74
N-ethyl acetate
Concen: 53.983 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.1	37.7	56.5
55	24.7	19.8	29.6
61	27.1	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.592 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 136839

Ion Ratio Lower Upper

83 100

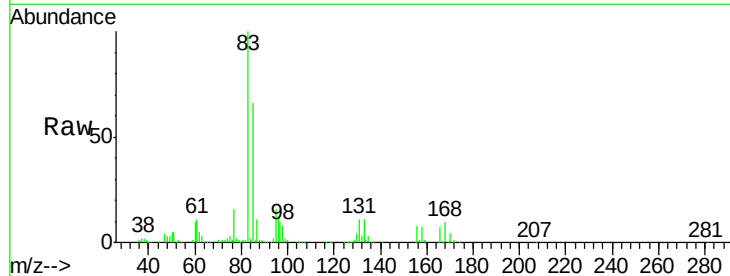
131 11.6 5.8 17.4

85 65.3 32.6 98.0

Manual Integrations
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MMDadoda

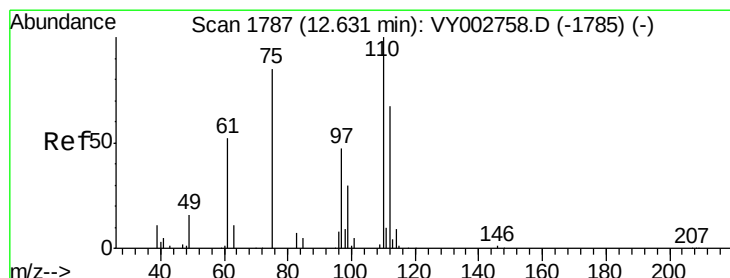
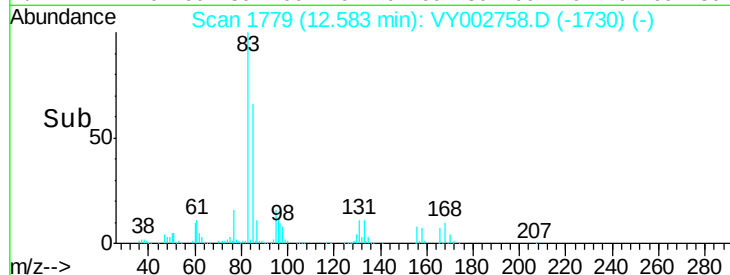
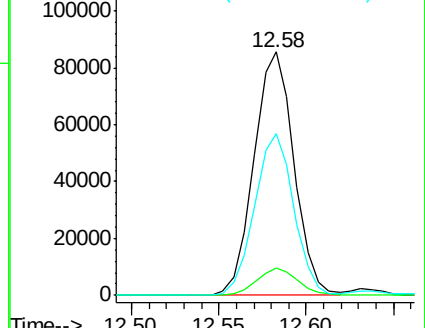
5/28/2020 2:08:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 53.650 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002758.D

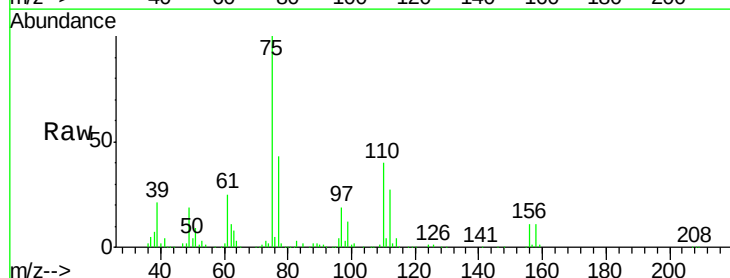
Acq: 27 May 2020 12:14

Tgt Ion: 75 Resp: 108921

Ion Ratio Lower Upper

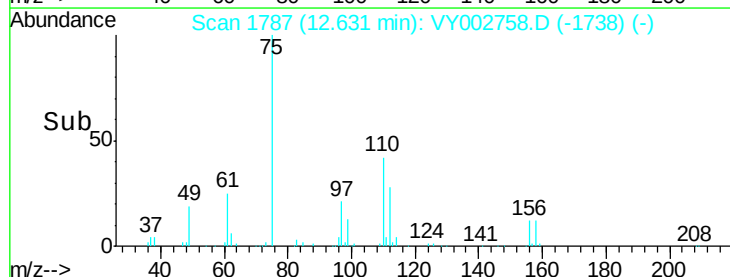
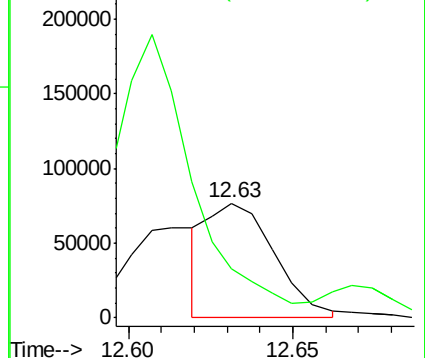
75 100

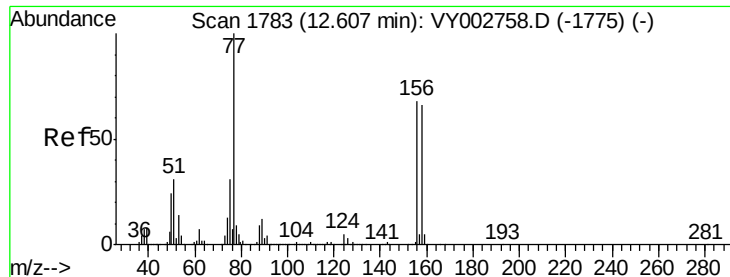
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





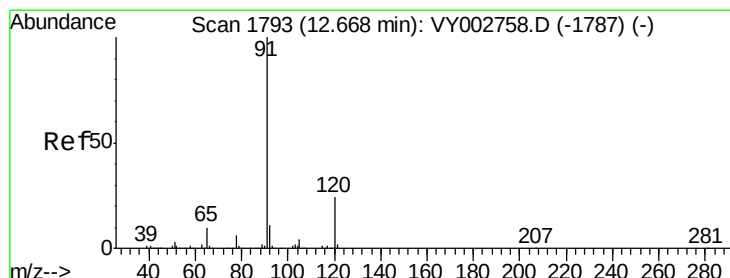
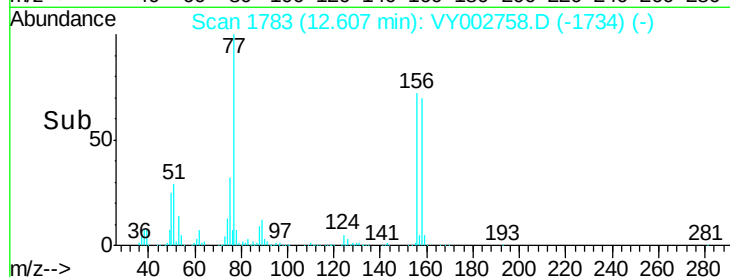
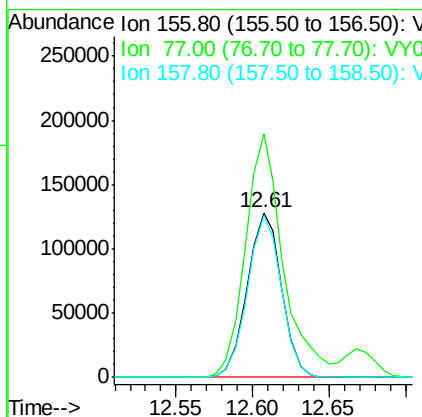
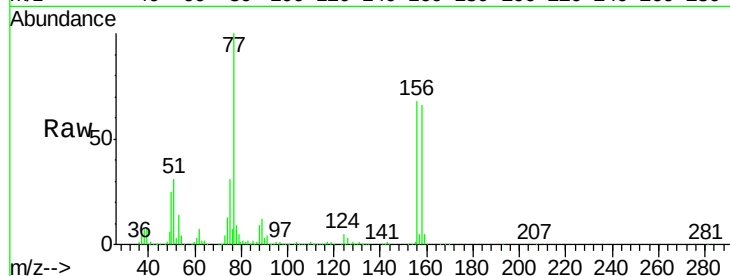
#77
Bromobenzene
Concen: 49.642 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.8	81.4	244.2
158	97.1	48.5	145.6

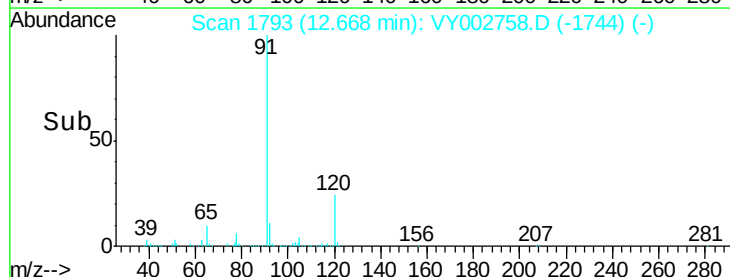
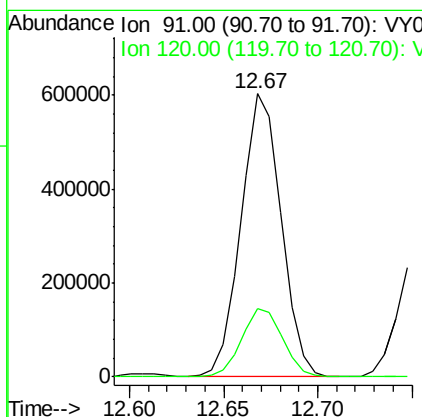
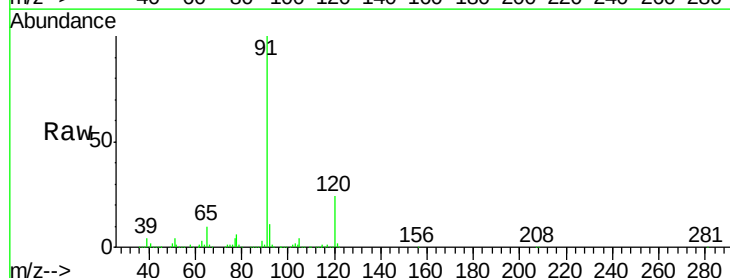
Manual Integrations
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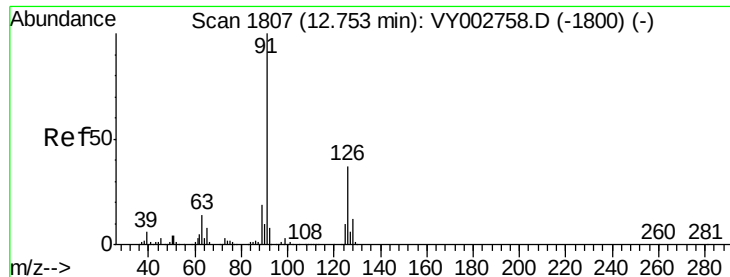
MMDadoda
5/28/2020 2:08:37 PM



#78
n-propylbenzene
Concen: 48.078 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.127 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 495103

Ion Ratio Lower Upper

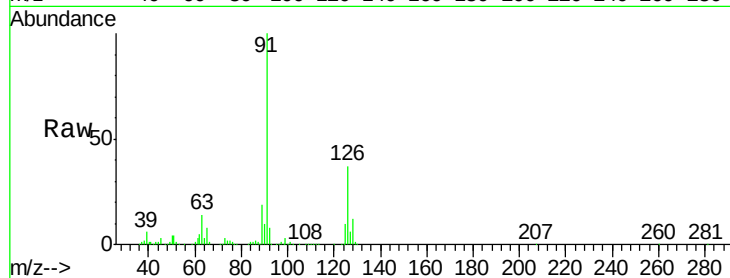
91 100

126 36.9 18.4 55.4

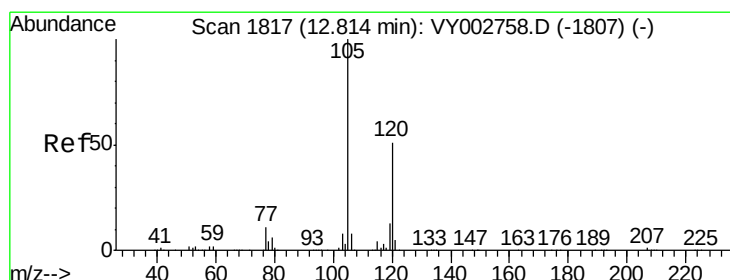
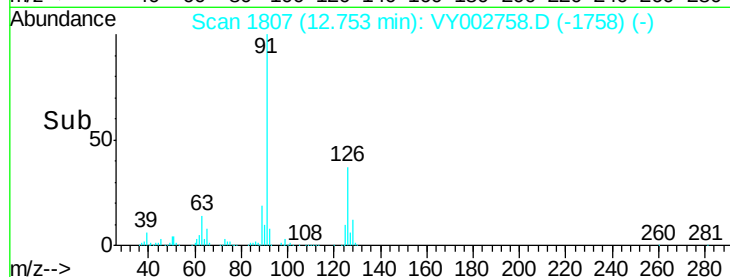
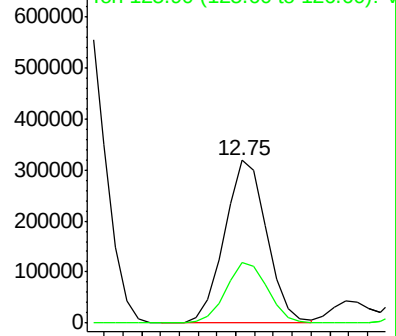
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.299 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002758.D

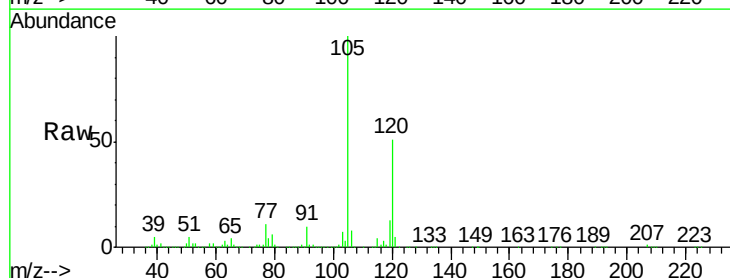
Acq: 27 May 2020 12:14

Tgt Ion: 105 Resp: 646440

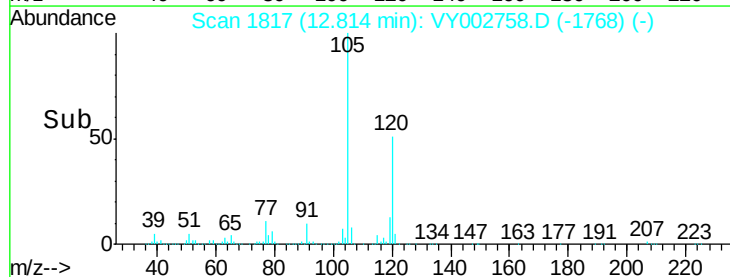
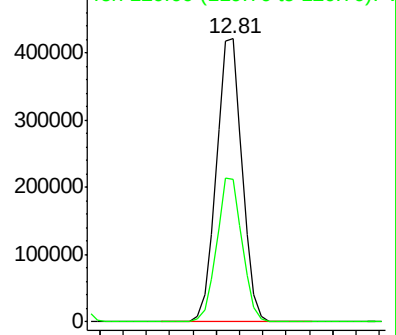
Ion Ratio Lower Upper

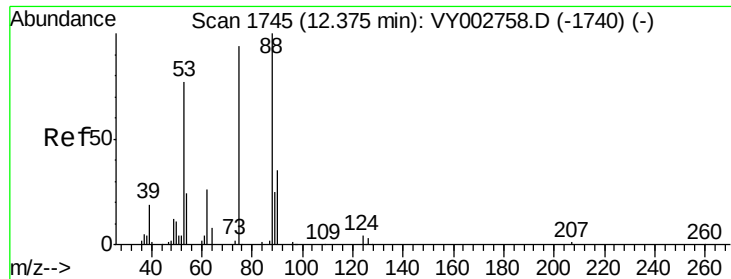
105 100

120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)





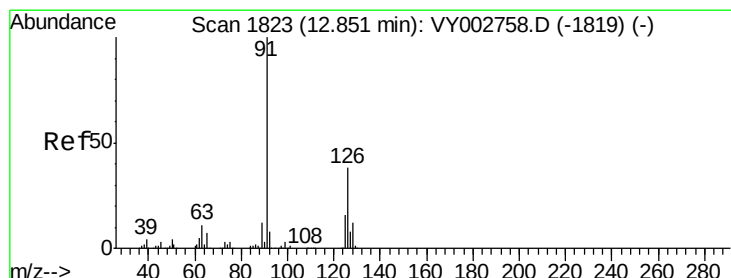
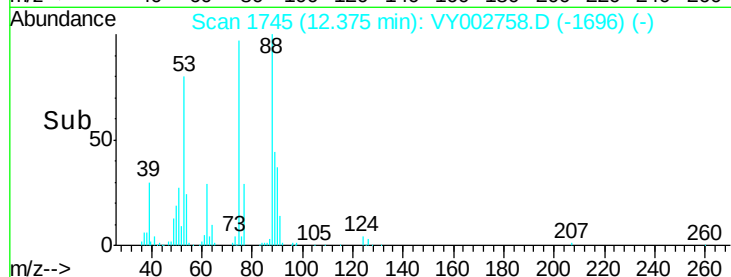
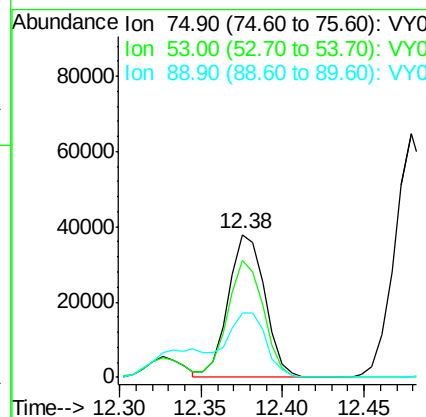
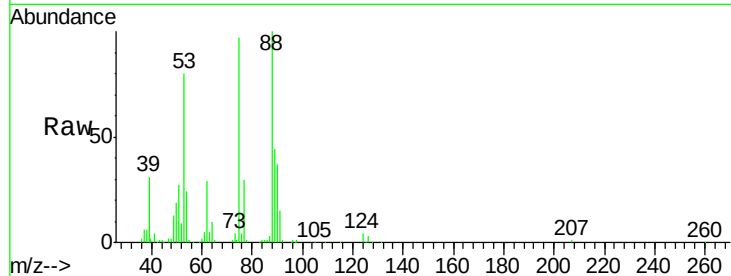
#81
trans-1,4-Dichloro-2-butene
Concen: 54.619 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.0	64.0	96.0
89	46.8	37.4	56.2

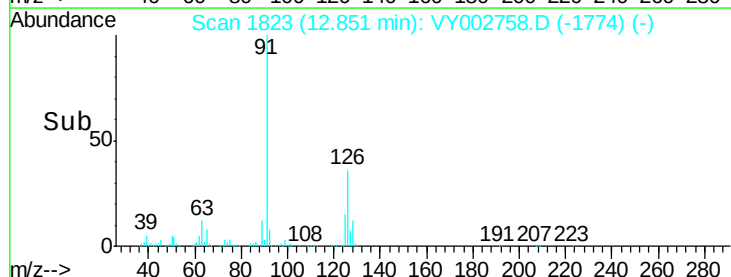
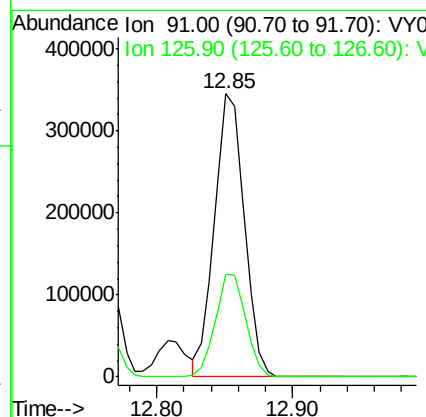
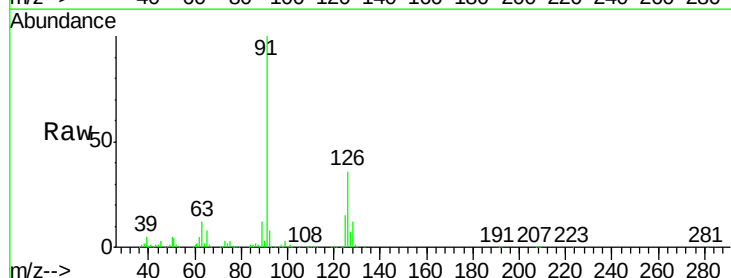
Manual Integrations
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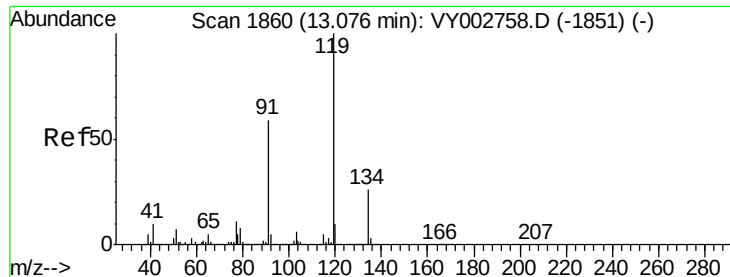
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.604 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5





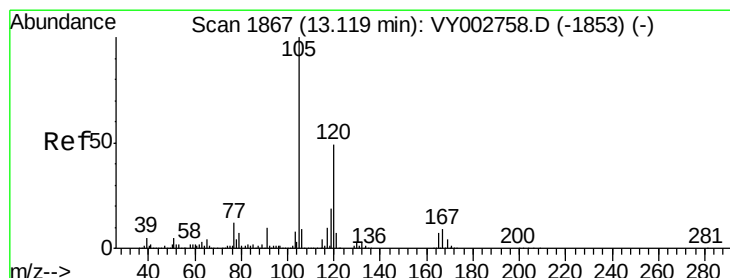
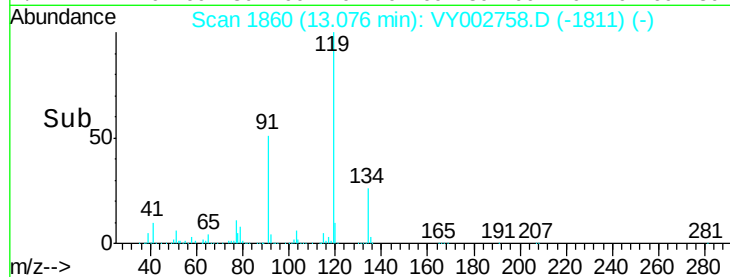
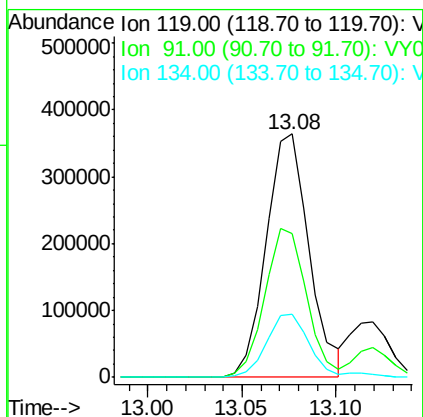
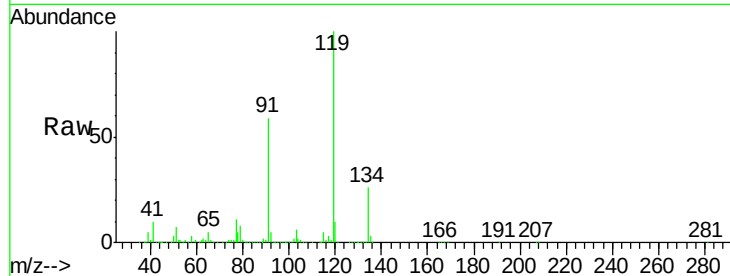
#83
 tert-Butylbenzene
 Concen: 48.511 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	576168		
91	59.6	29.8	89.4	
134	26.5	13.3	39.8	

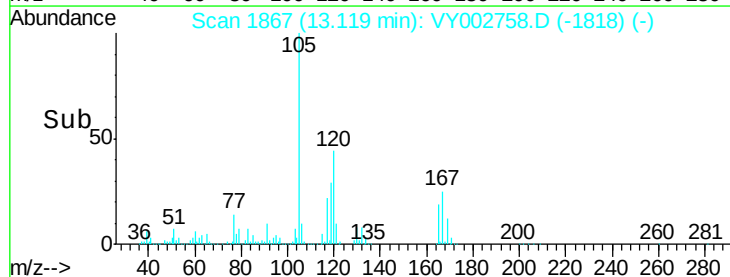
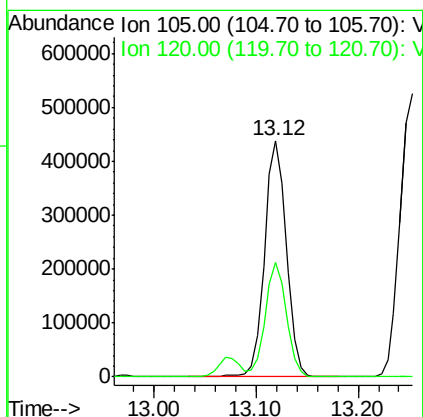
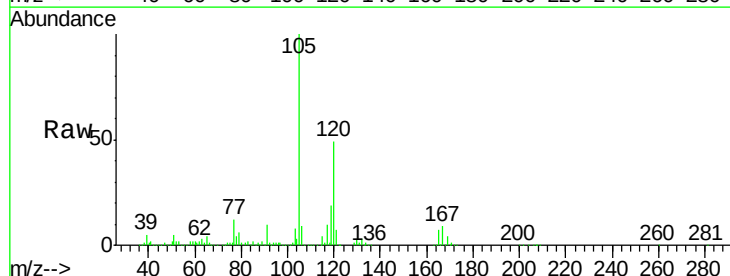
Manual Integrations
 APPROVED

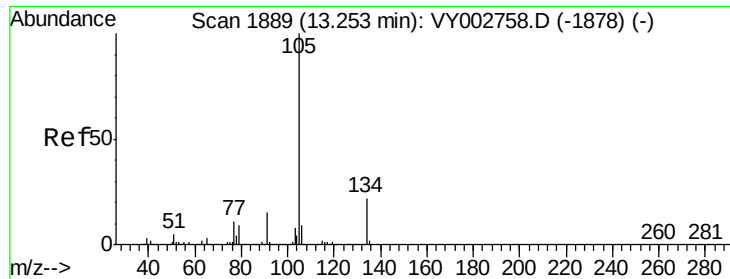
MMDadoda
 5/28/2020 2:08:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.569 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	650726		
120	47.2	23.6	70.8	





#85

sec-Butylbenzene

Concen: 47.864 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 782515

Ion Ratio Lower Upper

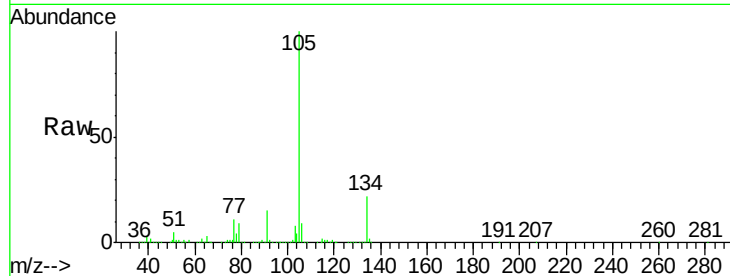
105 100

134 21.6 10.8 32.4

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

Ion 134.00 (133.70 to 134.70): V

13.25

600000

500000

400000

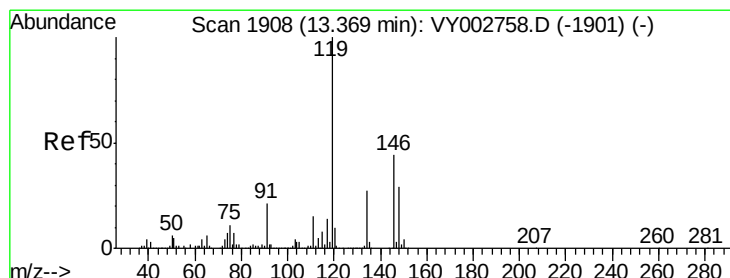
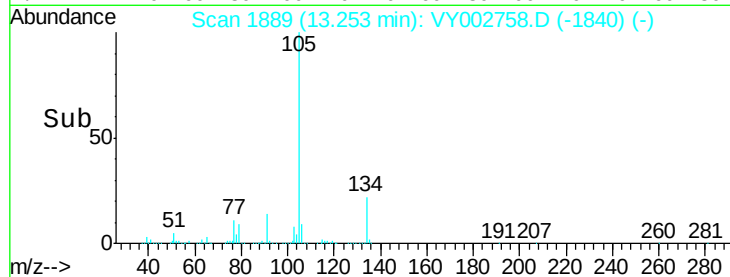
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.947 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

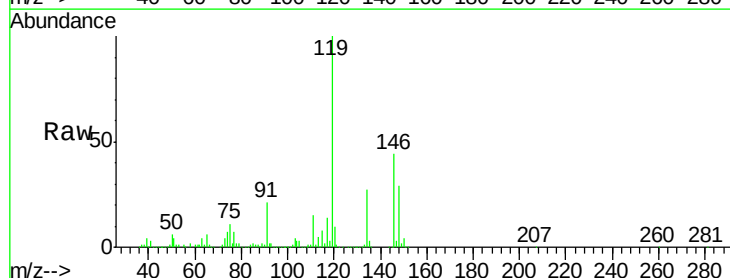
Tgt Ion:119 Resp: 732778

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 21.6 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

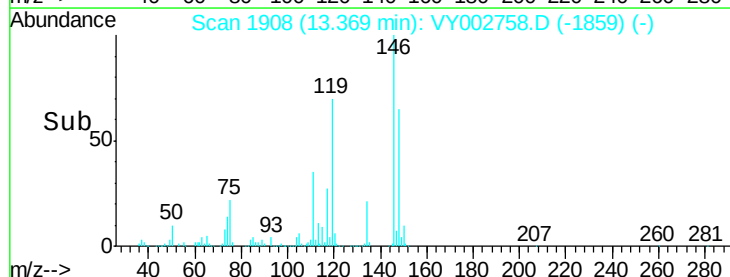
600000

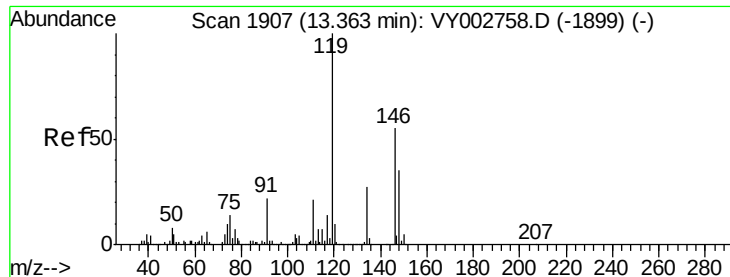
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.911 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

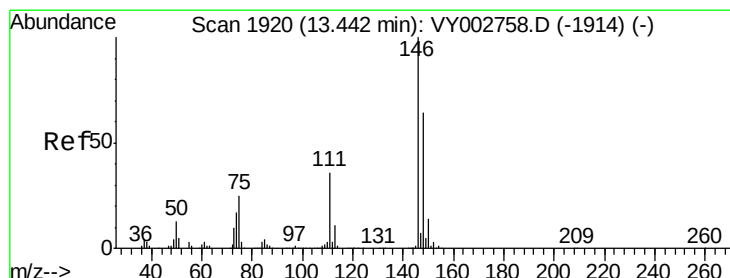
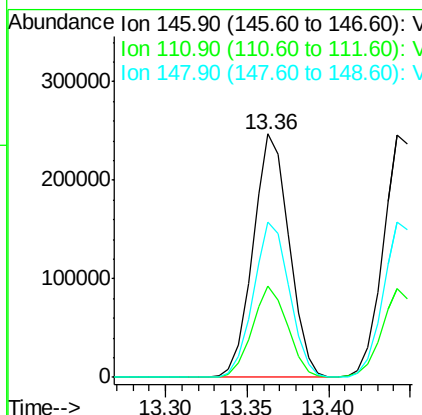
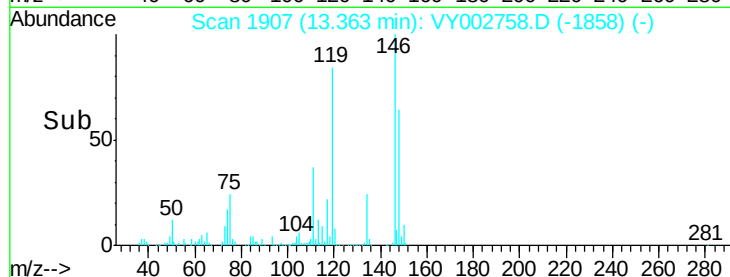
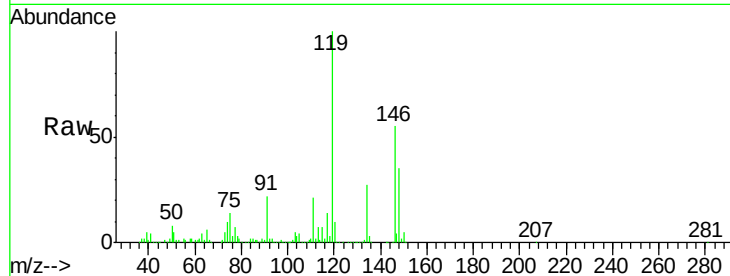
Instrument :
MSVOA_Y

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.992 ug/l

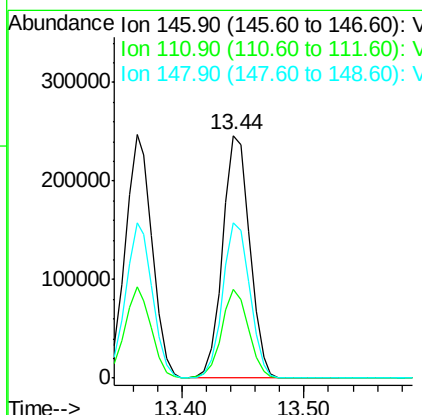
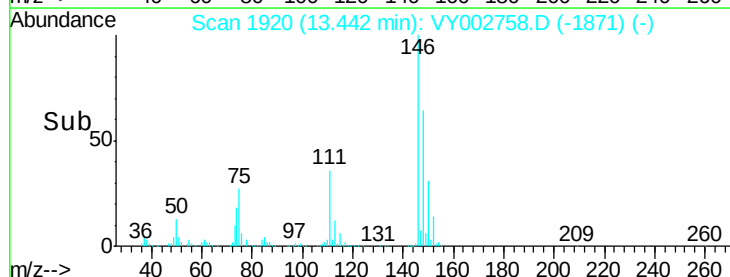
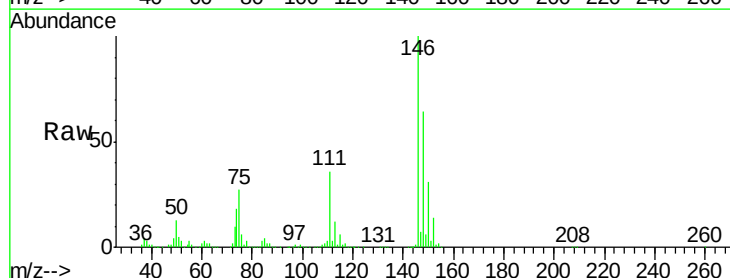
RT: 13.44 min Scan# 1920

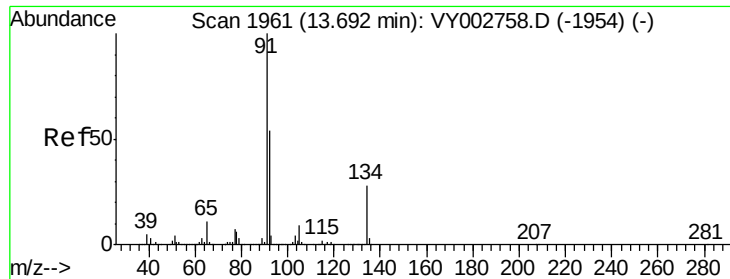
Delta R.T. 0.00 min

Lab File: VY002758.D

Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	64.2	32.1	96.3





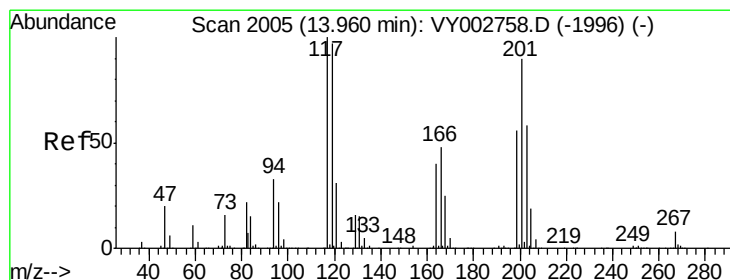
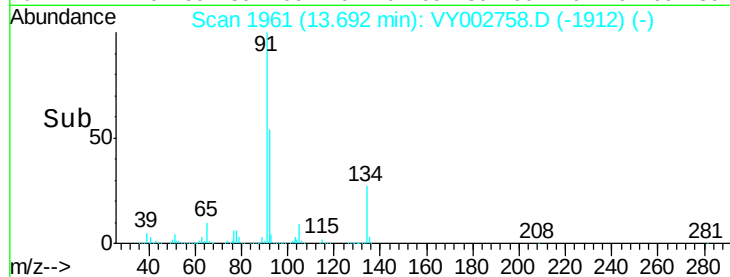
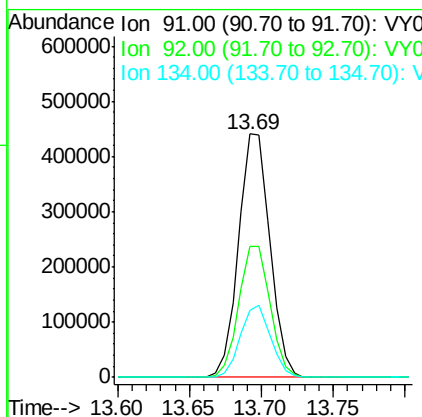
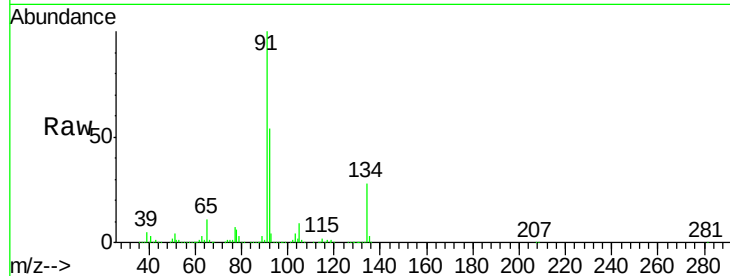
#89
n-Butylbenzene
Concen: 47.439 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	665915		
92	54.1		27.1	81.2
134	28.6		14.3	42.9

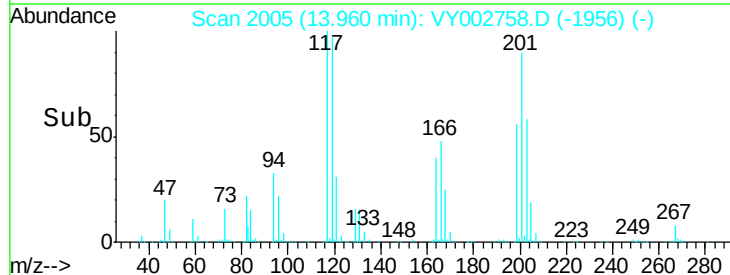
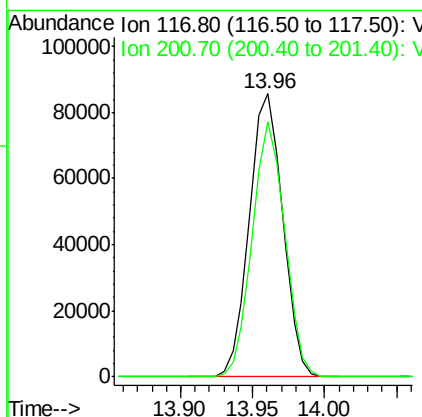
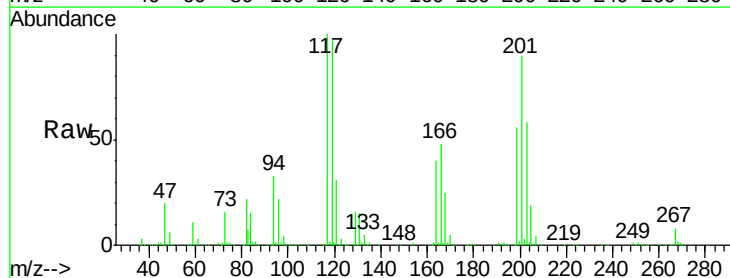
Manual Integrations
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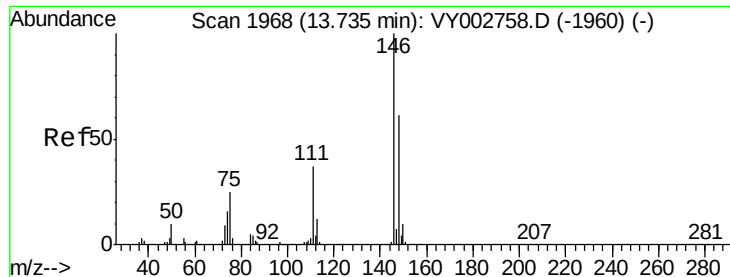
MMDadoda
5/28/2020 2:08:37 PM



#90
Hexachloroethane
Concen: 48.429 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	137448		
201	87.7		43.9	131.6





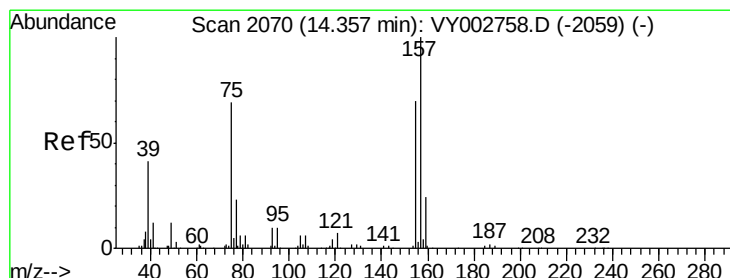
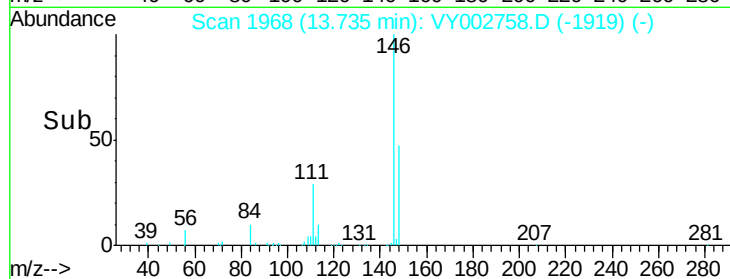
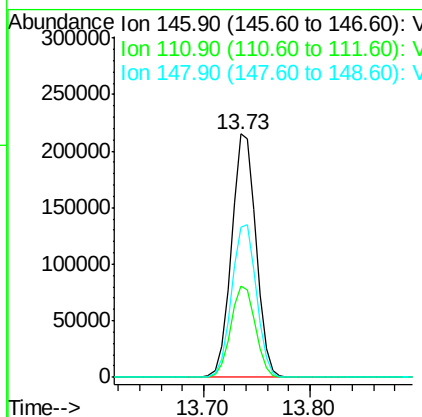
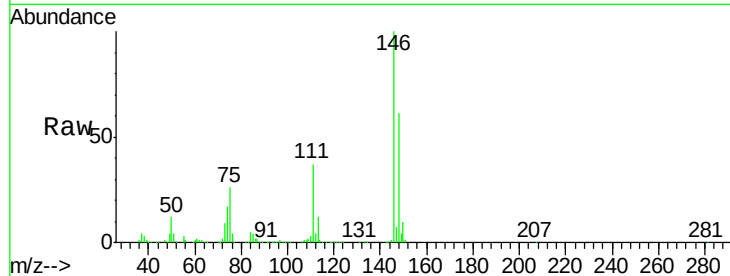
#91
 1,2-Dichlorobenzene
 Concen: 49.828 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	146	Resp:	346162
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

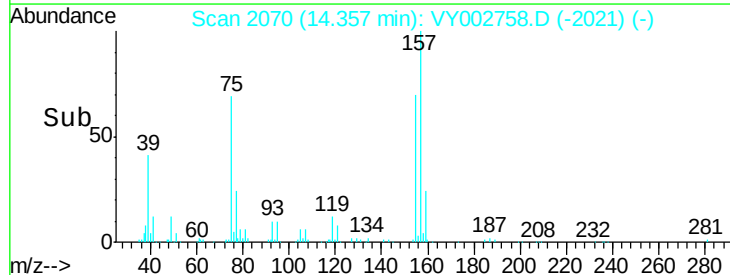
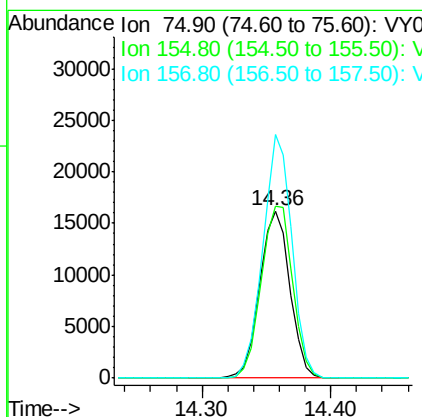
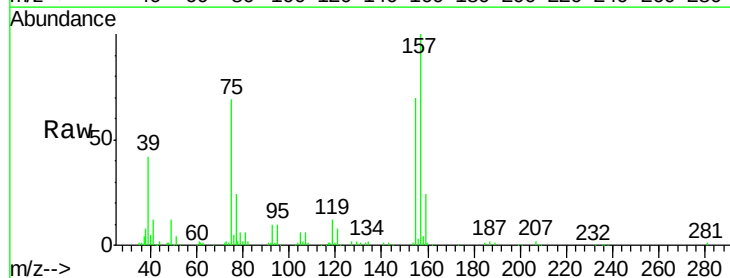
Manual Integrations
 APPROVED

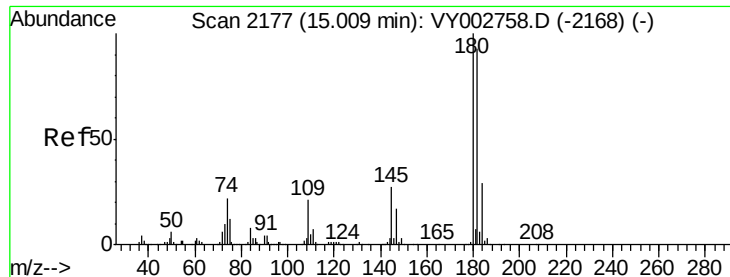
MMDadoda
 5/28/2020 2:08:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.541 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion:	75	Resp:	26256
Ion Ratio	Lower	Upper	
75	100		
155	107.0	53.5	160.5
157	139.8	69.9	209.7





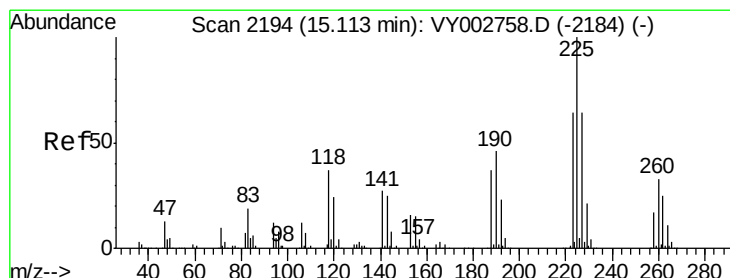
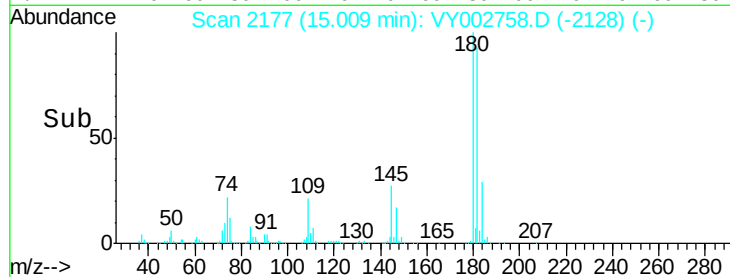
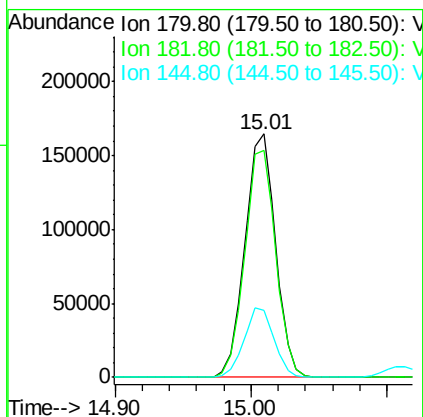
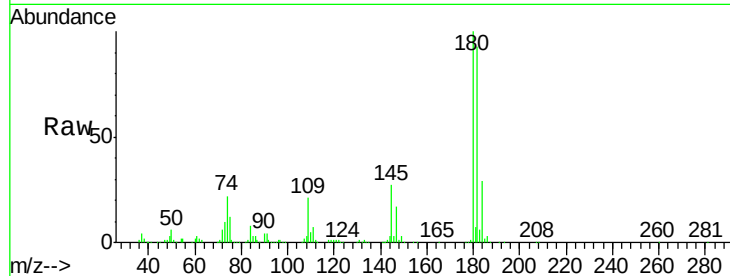
#93
 1,2,4-Trichlorobenzene
 Concen: 48.185 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259116		
182	94.6	47.3	141.9	
145	28.2	14.1	42.3	

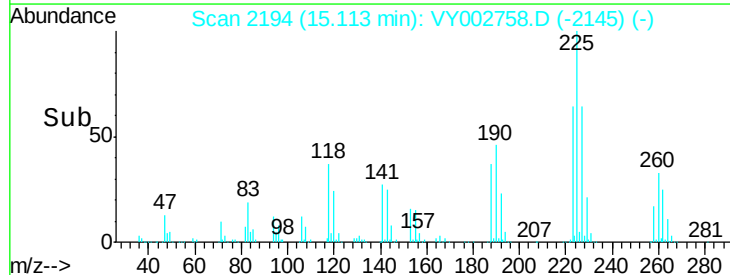
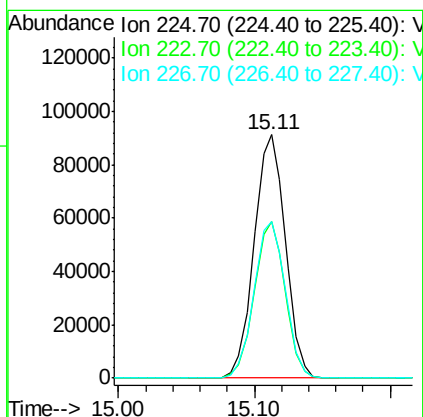
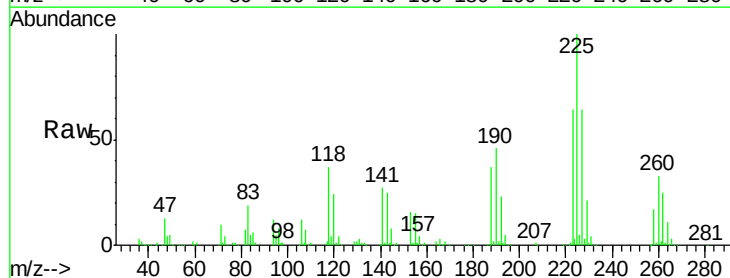
Manual Integrations
 APPROVED

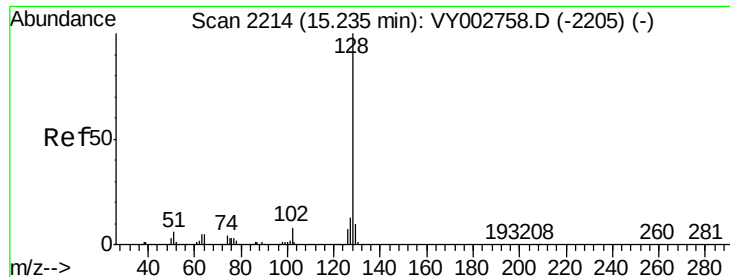
MMDadoda
 5/28/2020 2:08:37 PM



#94
 Hexachlorobutadiene
 Concen: 45.427 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002758.D
 Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146822		
223	63.3	31.6	95.0	
227	64.6	32.3	96.9	





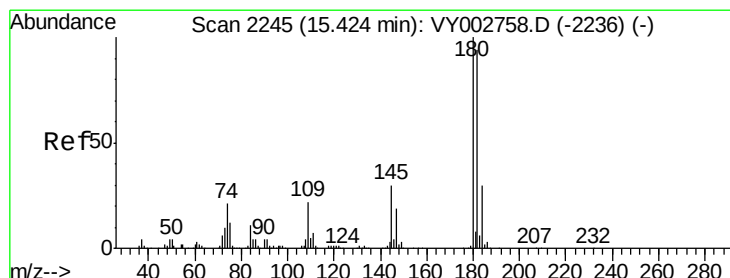
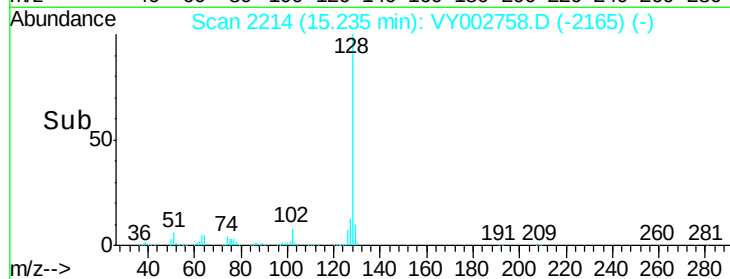
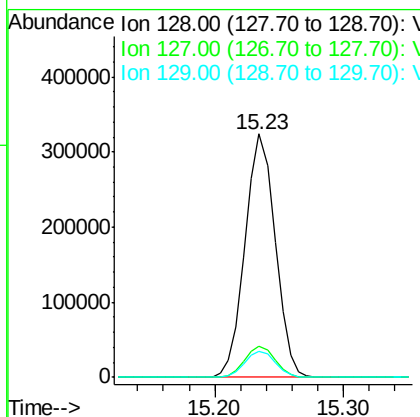
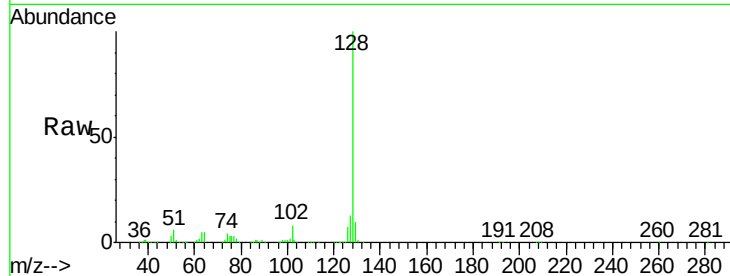
#95
Naphthalene
Concen: 53.738 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.660 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002758.D
Acq: 27 May 2020 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	30.2	15.1	45.3

