

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002860.D
 Acq On : 05 Jun 2020 20:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:28:10 AM

Quant Time: Jun 06 08:09:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	315716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	486684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	448310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232972	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	136962	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.73	113	144526	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.18	98	549493	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.48	95	192654	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	96888	44.600	ug/l	95
3) Chloromethane	2.12	50	115983	48.268	ug/l	99
4) Vinyl Chloride	2.26	62	128879	50.745	ug/l	98
5) Bromomethane	2.65	94	94811	49.815	ug/l	100
6) Chloroethane	2.80	64	84141	51.105	ug/l	96
7) Trichlorofluoromethane	3.13	101	219189	48.729	ug/l	99
8) Diethyl Ether	3.54	74	85871	48.891	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	141719	53.064	ug/l	100
10) Methyl Iodide	4.10	142	187431	50.155	ug/l	98
11) Tert butyl alcohol	4.97	59	65822	221.972	ug/l	100
12) 1,1-Dichloroethene	3.88	96	136690	50.893	ug/l	98
13) Acrolein	3.74	56	79179	246.473	ug/l	98
14) Allyl chloride	4.49	41	213937	55.538	ug/l	97
15) Acrylonitrile	5.18	53	206100	260.106	ug/l	100
16) Acetone	3.96	43	149115	231.978	ug/l	97
17) Carbon Disulfide	4.20	76	384631	47.390	ug/l	100
18) Methyl Acetate	4.49	43	87536	54.355	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	393859	53.118	ug/l	99
20) Methylene Chloride	4.73	84	174018	55.397	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	154454	51.135	ug/l	97
22) Diisopropyl ether	6.13	45	457806	57.191	ug/l	96
23) Vinyl Acetate	6.07	43	1476550	279.383	ug/l	99
24) 1,1-Dichloroethane	6.03	63	259954	55.514	ug/l	99
25) 2-Butanone	7.00	43	247693	247.327	ug/l	96
26) 2,2-Dichloropropane	6.99	77	214699	47.807	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	179934	53.214	ug/l	100
28) Bromochloromethane	7.34	49	108197	56.285	ug/l	94
29) Tetrahydrofuran	7.35	42	167602	257.285	ug/l	98
30) Chloroform	7.52	83	270561	54.450	ug/l	99
31) Cyclohexane	7.79	56	225764	48.559	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	236294	51.031	ug/l	99
36) 1,1-Dichloropropene	7.92	75	200706	48.956	ug/l	100
37) Ethyl Acetate	7.08	43	111491	49.984	ug/l	99
38) Carbon Tetrachloride	7.91	117	217383	47.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	256242	47.419	ug/l	97
40) Benzene	8.17	78	618641	51.069	ug/l	100
41) Methacrylonitrile	7.33	41	67408m	56.253	ug/l	
42) 1,2-Dichloroethane	8.24	62	167175	49.243	ug/l	100
43) Isopropyl Acetate	8.28	43	216323	51.178	ug/l	99
44) Trichloroethene	8.94	130	187373	48.969	ug/l	98
45) 1,2-Dichloropropane	9.22	63	155491	53.525	ug/l	97
46) Dibromomethane	9.31	93	88208	51.127	ug/l	98
47) Bromodichloromethane	9.50	83	213206	52.421	ug/l	99
48) Methyl methacrylate	9.30	41	96667	50.660	ug/l	98
49) 1,4-Dioxane	9.30	88	23788	897.976	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	558041	249.320	ug/l	99
52) Toluene	10.24	92	395449	49.902	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	223617	50.337	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	258490	51.351	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	132263	50.075	ug/l	95
56) Ethyl methacrylate	10.51	69	180974	51.155	ug/l	99
57) 1,3-Dichloropropane	10.79	76	219978	50.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	463233	267.972	ug/l	98
59) 2-Hexanone	10.83	43	388370	244.551	ug/l	100
60) Dibromochloromethane	10.99	129	168238	50.240	ug/l	99
61) 1,2-Dibromoethane	11.09	107	130894	50.237	ug/l	99
64) Tetrachloroethene	10.72	164	192371	47.213	ug/l	98
65) Chlorobenzene	11.52	112	447087	50.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	170728	51.159	ug/l	99
67) Ethyl Benzene	11.59	91	772434	50.284	ug/l	99
68) m/p-Xylenes	11.70	106	589050	98.902	ug/l	100
69) o-Xylene	12.03	106	284848	50.661	ug/l	99
70) Styrene	12.04	104	496545	50.944	ug/l	100
71) Bromoform	12.20	173	110987	49.703	ug/l	100
73) Isopropylbenzene	12.33	105	762526	51.074	ug/l	100
74) N-amyl acetate	12.14	43	202275	52.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	140896	53.787	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	106250m	50.614	ug/l	
77) Bromobenzene	12.61	156	198379	51.030	ug/l	98
78) n-propylbenzene	12.67	91	882651	51.181	ug/l	99
79) 2-Chlorotoluene	12.75	91	496482	51.322	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	636906	51.092	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54738	49.126	ug/l	99
82) 4-Chlorotoluene	12.85	91	517059	51.015	ug/l	100
83) tert-Butylbenzene	13.07	119	568542	51.130	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	643950	51.375	ug/l	99
85) sec-Butylbenzene	13.25	105	772830	50.831	ug/l	100
86) p-Isopropyltoluene	13.37	119	717946	50.748	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	370252	50.280	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	367217	49.851	ug/l	99
89) n-Butylbenzene	13.70	91	645504	50.257	ug/l	100
90) Hexachloroethane	13.96	117	138247	52.199	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	340956	51.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24654	48.919	ug/l	98

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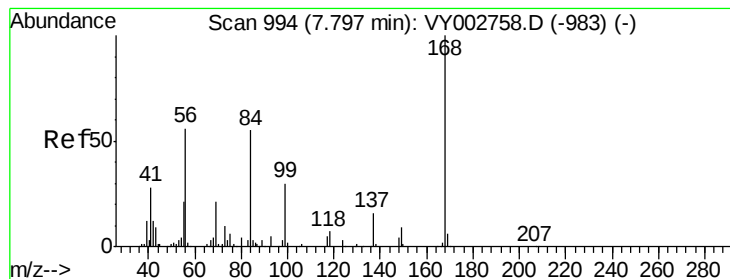
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	248096	49.287	ug/l	99
94) Hexachlorobutadiene	15.11	225	143130	50.133	ug/l	100
95) Naphthalene	15.23	128	495390	49.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	223358	49.690	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 315716

Ion Ratio Lower Upper

168 100

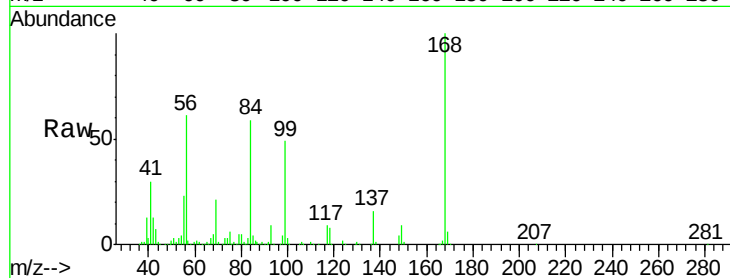
99 49.1 39.0 58.4

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

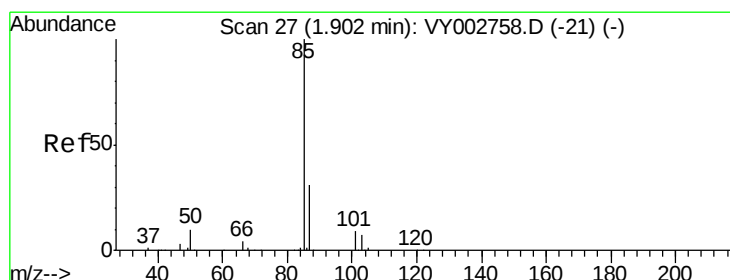
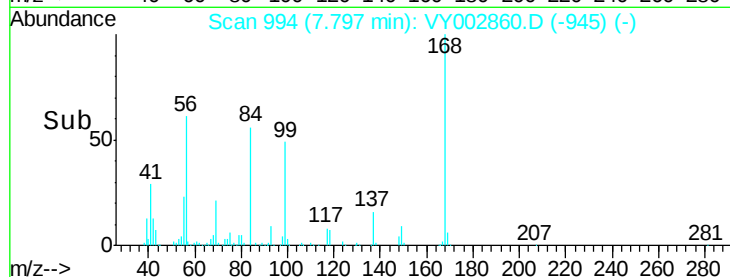
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.600 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002860.D

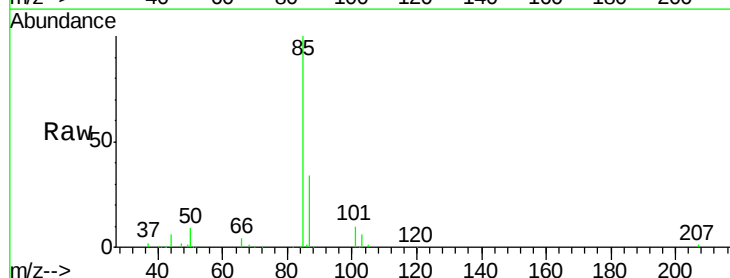
Acq: 05 Jun 2020 20:34

Tgt Ion: 85 Resp: 96888

Ion Ratio Lower Upper

85 100

87 33.9 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) (-)

1.91

60000

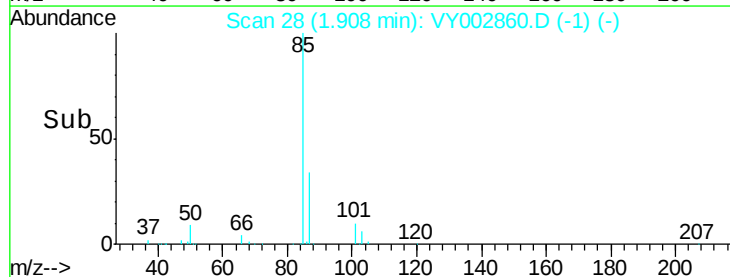
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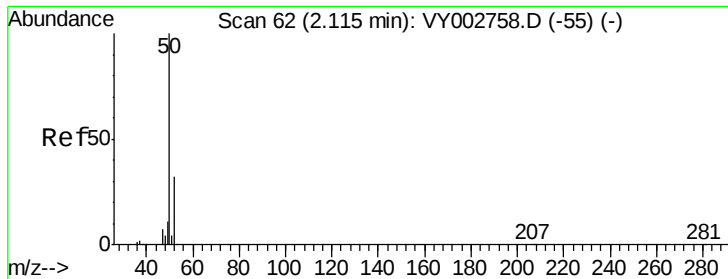
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.268 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 115983

Ion Ratio Lower Upper

50 100

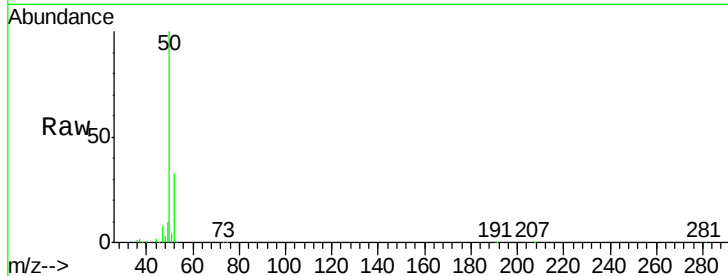
52 32.8 25.8 38.6

Manual Integrations

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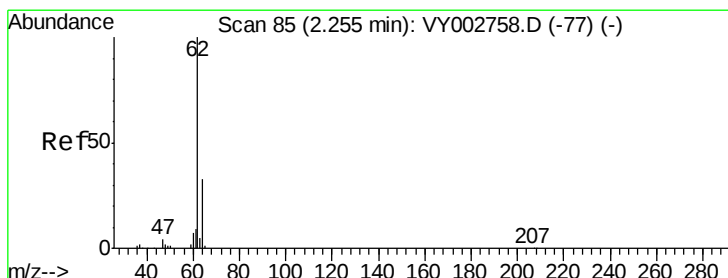
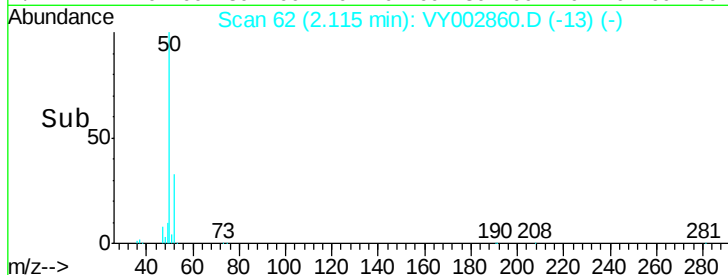
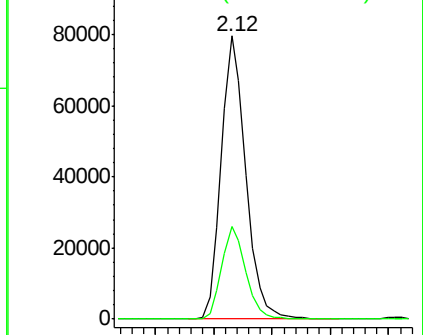
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.745 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002860.D

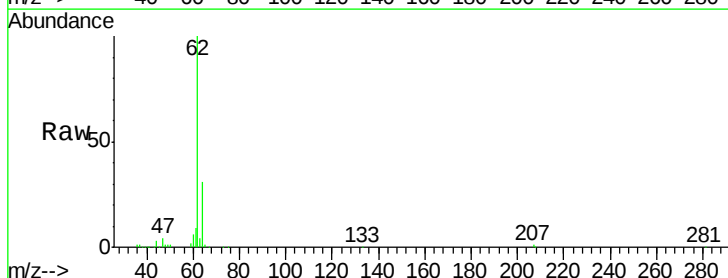
Acq: 05 Jun 2020 20:34

Tgt Ion: 62 Resp: 128879

Ion Ratio Lower Upper

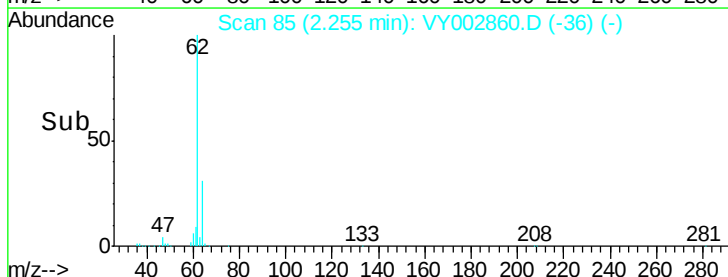
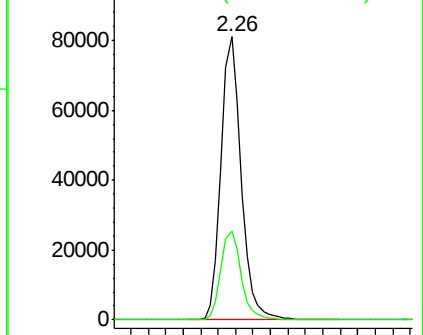
62 100

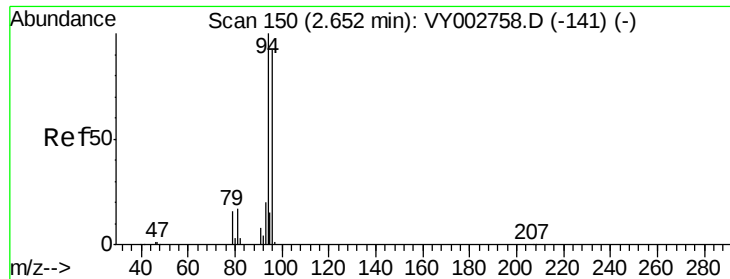
64 31.3 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.815 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 94811

Ion Ratio Lower Upper

94 100

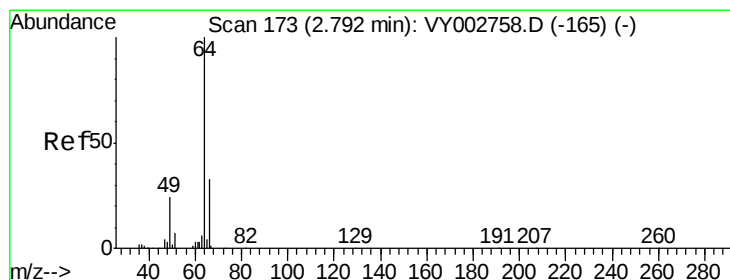
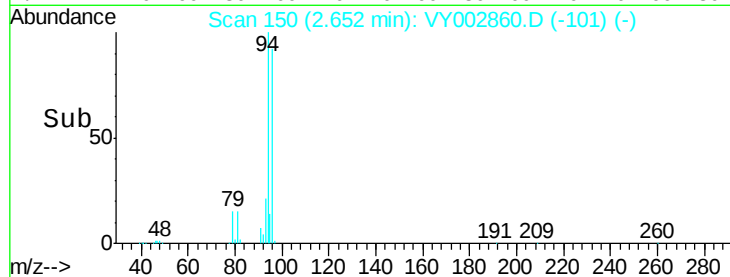
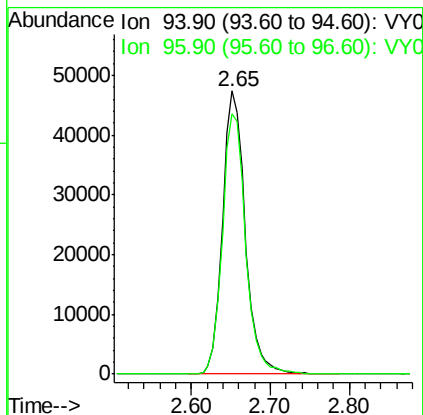
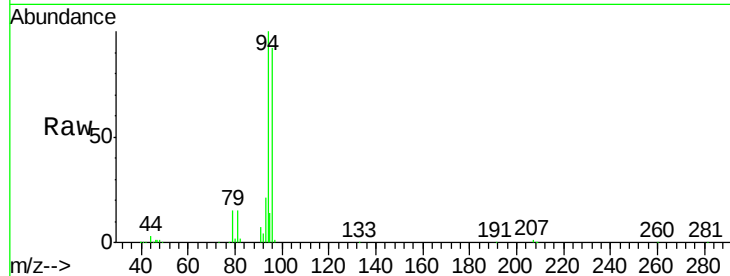
96 92.1 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 51.105 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002860.D

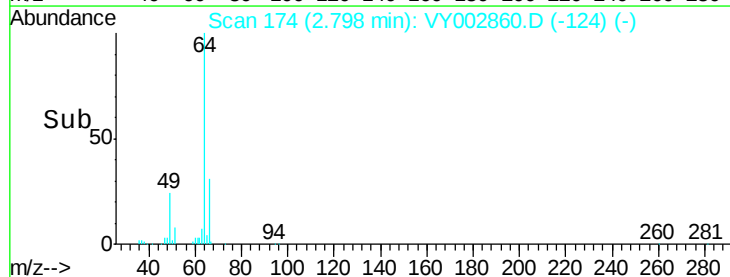
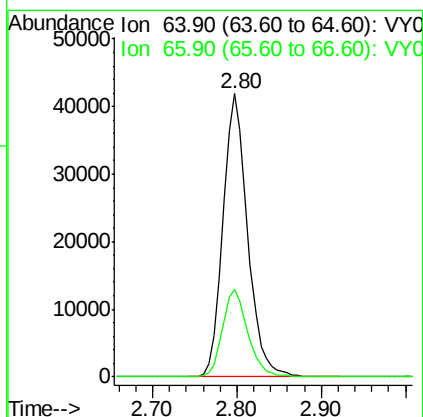
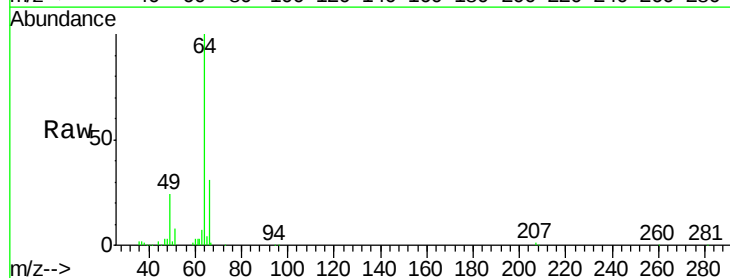
Acq: 05 Jun 2020 20:34

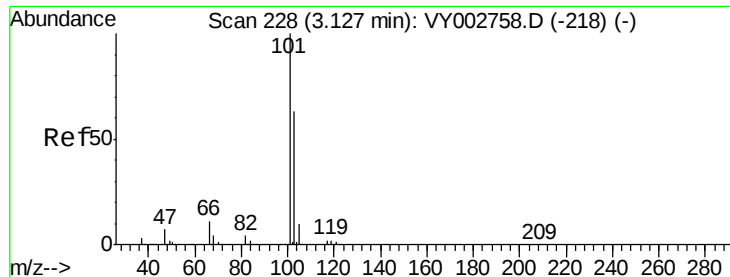
Tgt Ion: 64 Resp: 84141

Ion Ratio Lower Upper

64 100

66 31.0 26.4 39.6





#7

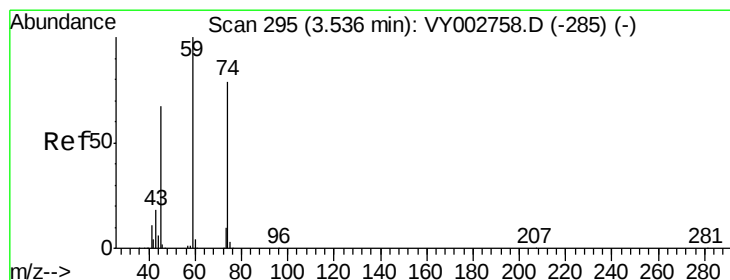
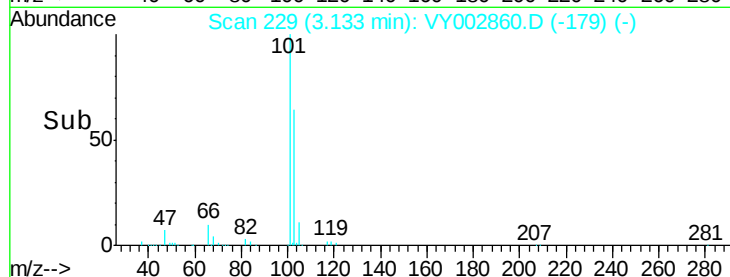
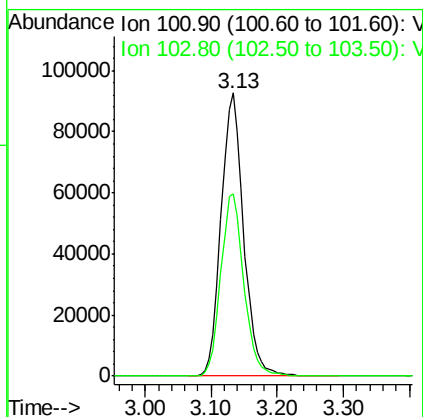
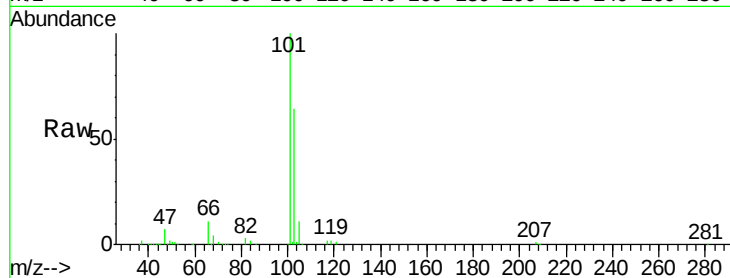
Trichlorofluoromethane
Concen: 48.729 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	219189		
103	64.4	50.6	76.0	

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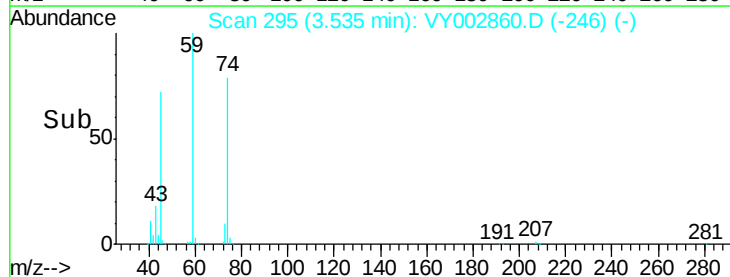
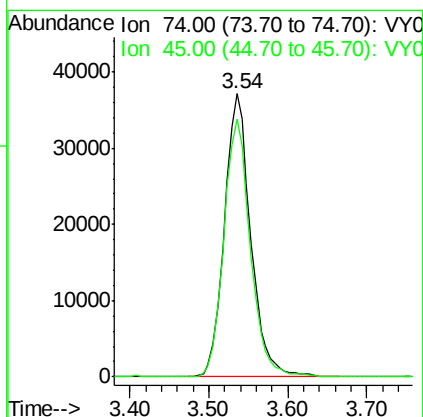
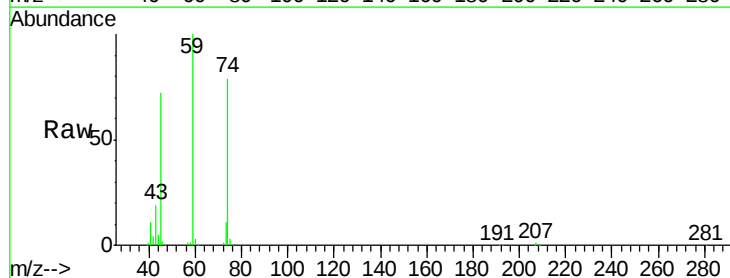
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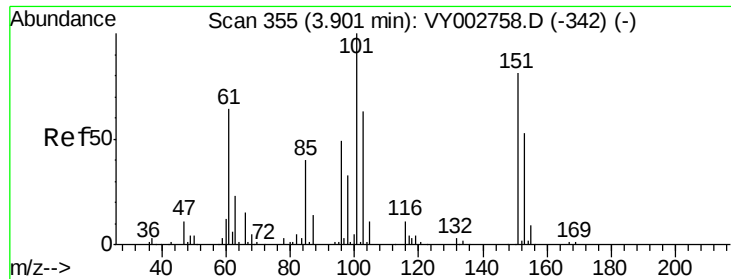


#8

Diethyl Ether
Concen: 48.891 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85871		
45	92.2	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.064 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

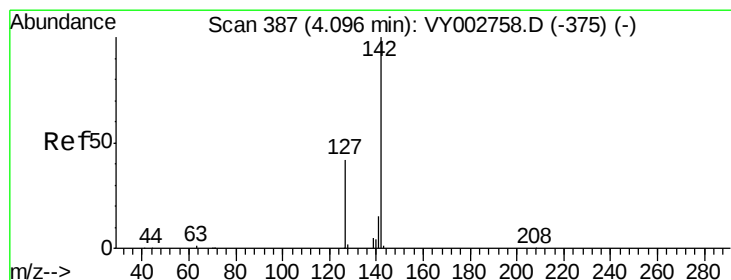
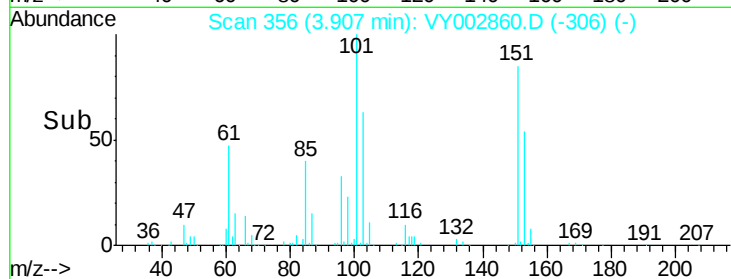
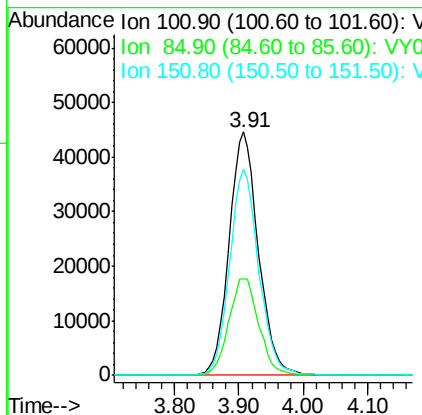
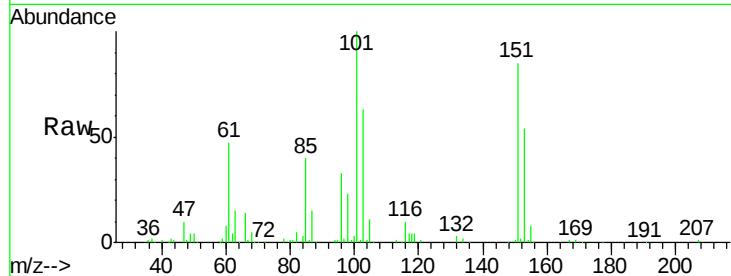
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141719
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.7	49.1
151	84.5	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.155 ug/l

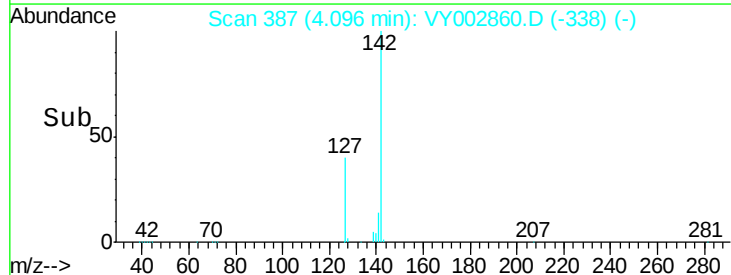
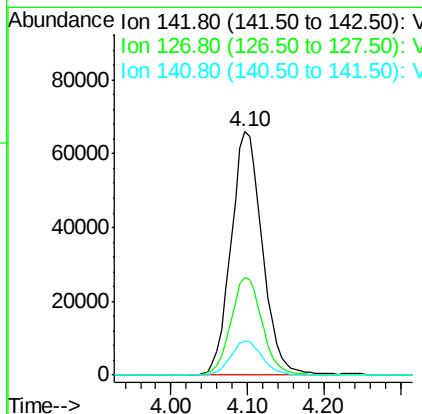
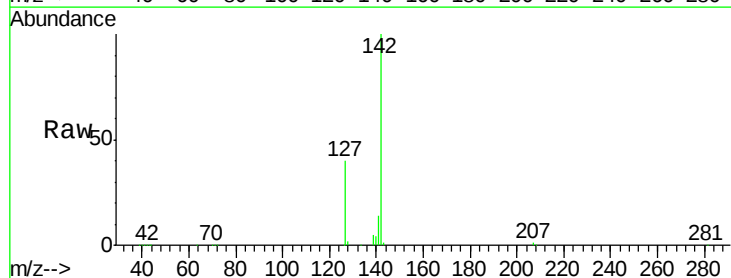
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion:	142	Resp:	187431
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.3	49.9
141	14.0	11.5	17.3





#11

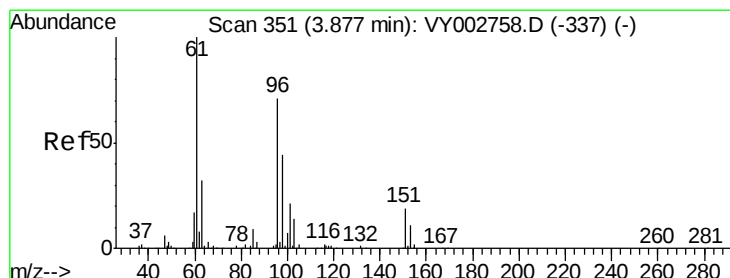
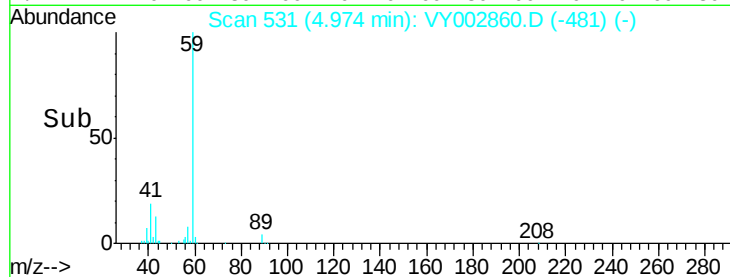
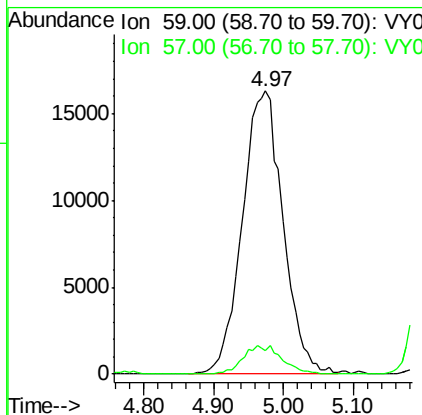
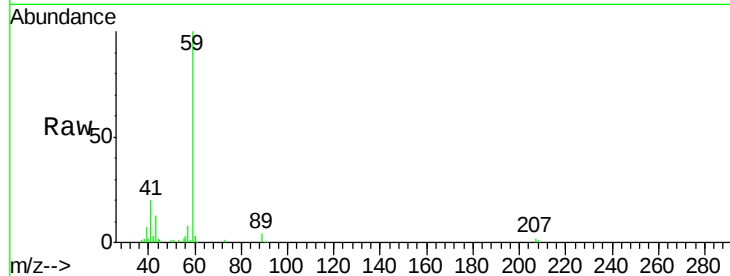
Tert butyl alcohol
Concen: 221.972 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.6	7.7	11.5

Manual Integrations
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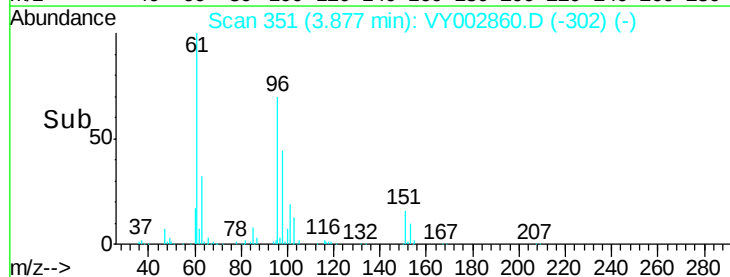
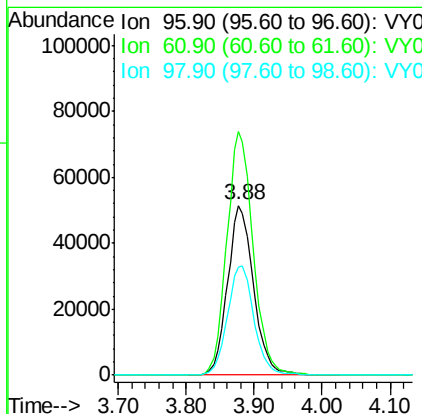
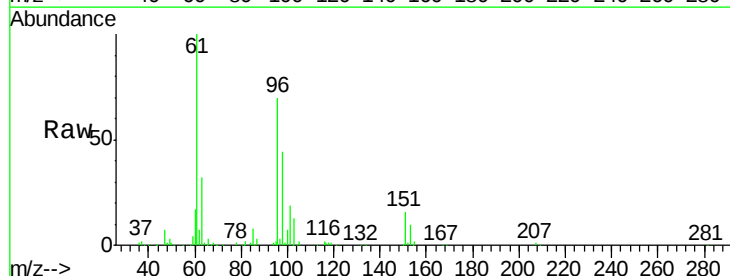
MMDadoda
6/8/2020 11:28:10 AM

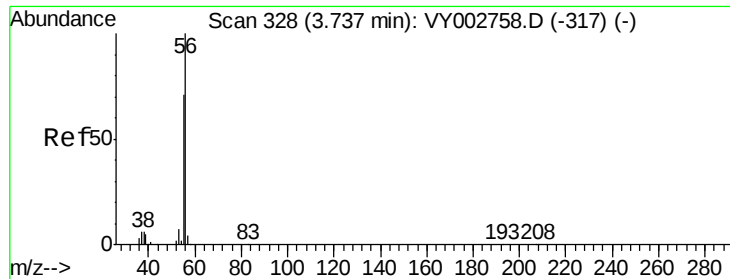


#12

1,1-Dichloroethene
Concen: 50.893 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	143.5	112.6	168.8
98	98	63.4	50.0	75.0





#13

Acrolein

Concen: 246.473 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79179

Ion Ratio Lower Upper

56 100

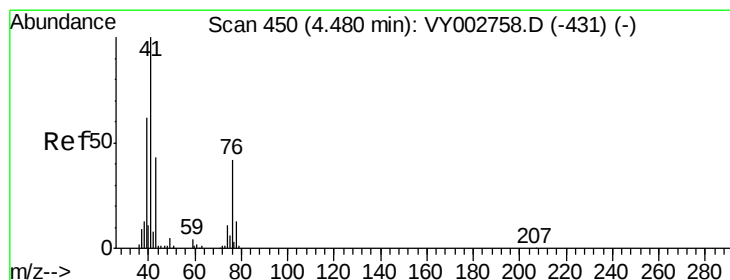
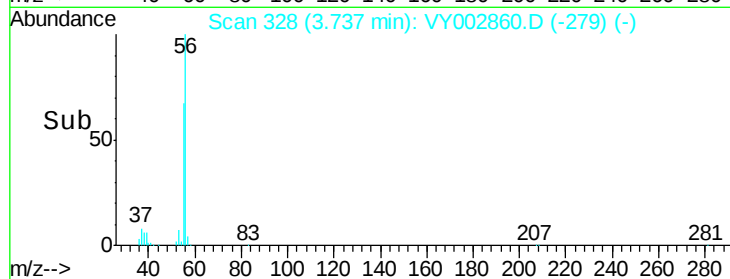
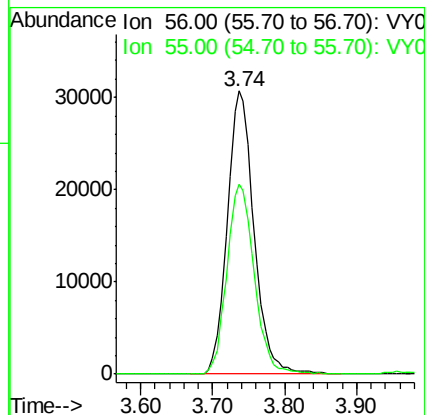
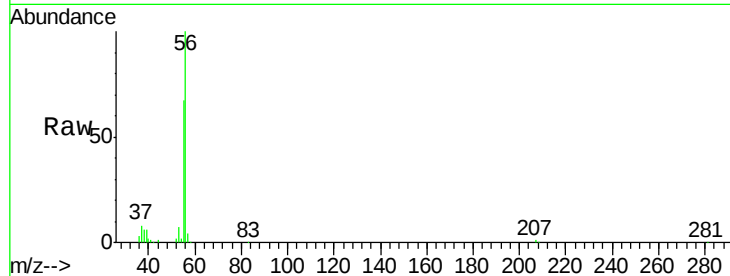
55 68.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 55.538 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

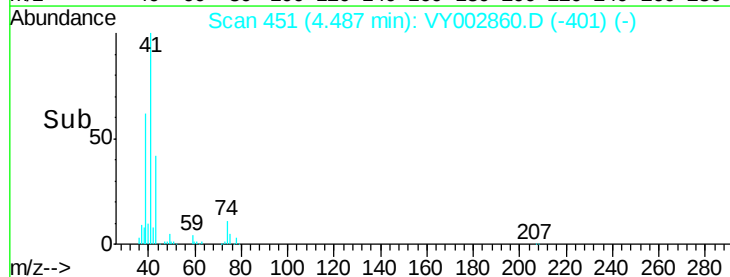
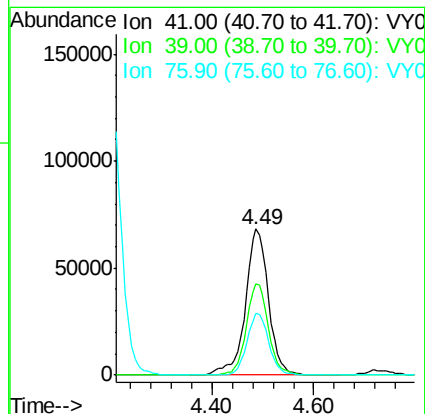
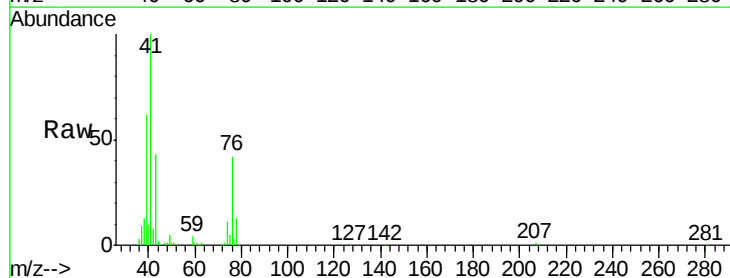
Tgt Ion: 41 Resp: 213937

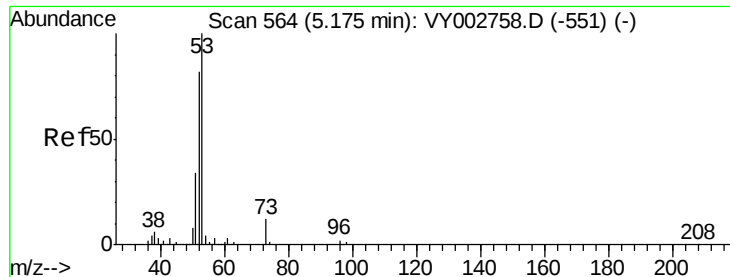
Ion Ratio Lower Upper

41 100

39 60.2 49.9 74.9

76 39.9 33.2 49.8





#15

Acrylonitrile

Concen: 260.106 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

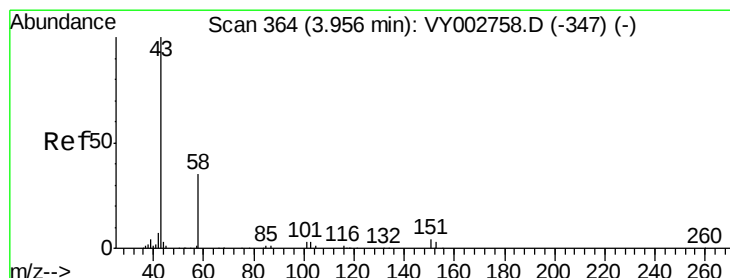
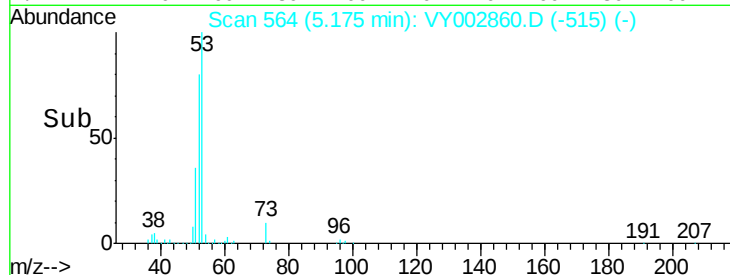
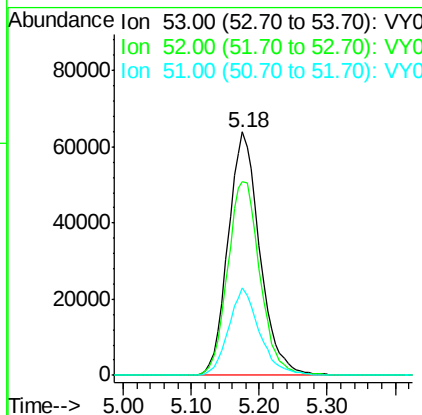
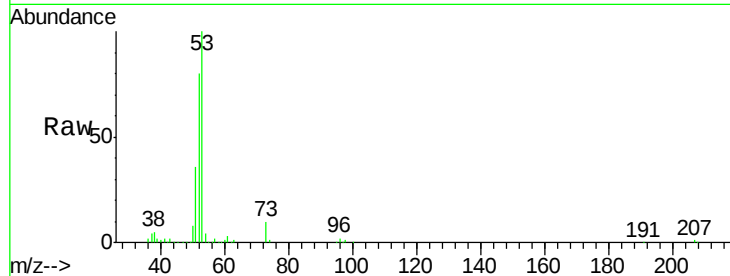
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	206100
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 231.978 ug/l

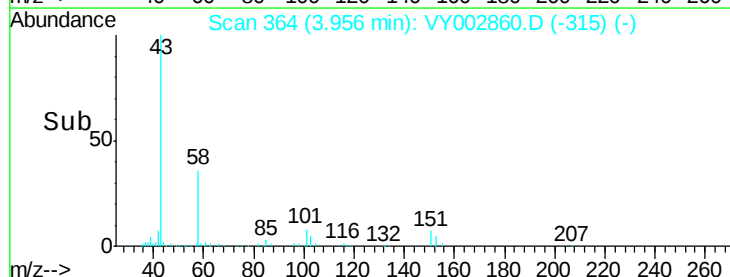
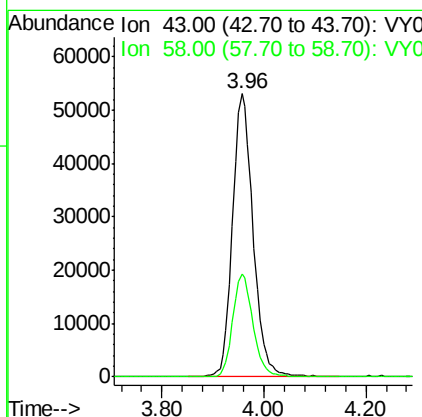
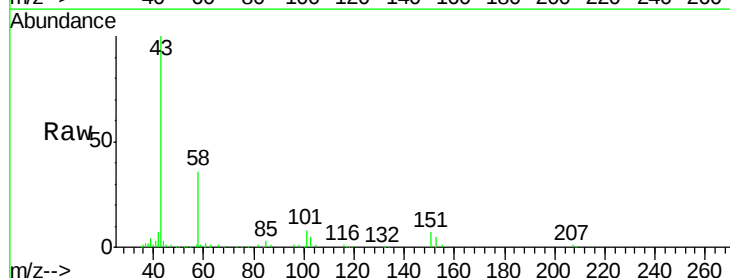
RT: 3.96 min Scan# 364

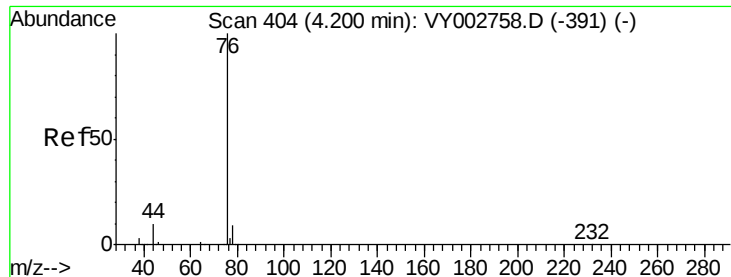
Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion	43	Resp	149115
Ion	Ratio	Lower	Upper
43	100		
58	36.4	27.7	41.5





#17

Carbon Disulfide

Concen: 47.390 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 384631

Ion Ratio Lower Upper

76 100

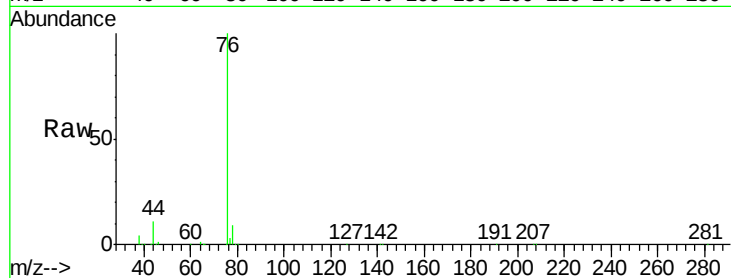
78 8.7 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

150000

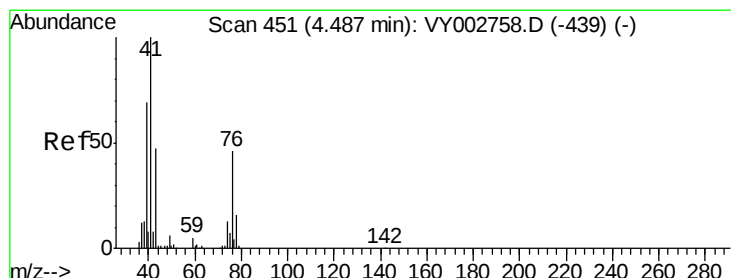
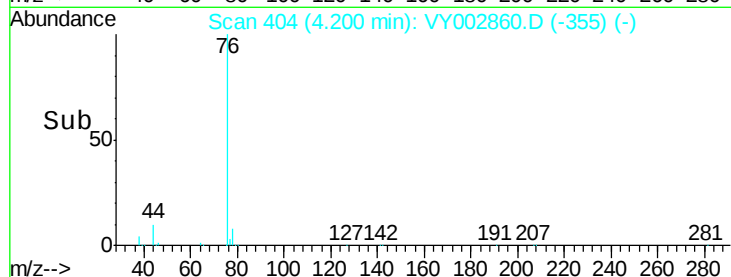
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 54.355 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002860.D

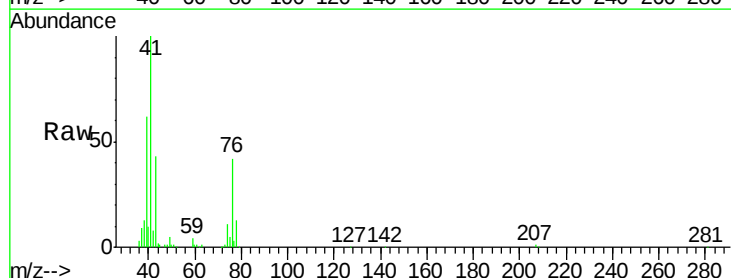
Acq: 05 Jun 2020 20:34

Tgt Ion: 43 Resp: 87536

Ion Ratio Lower Upper

43 100

74 26.8 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

30000

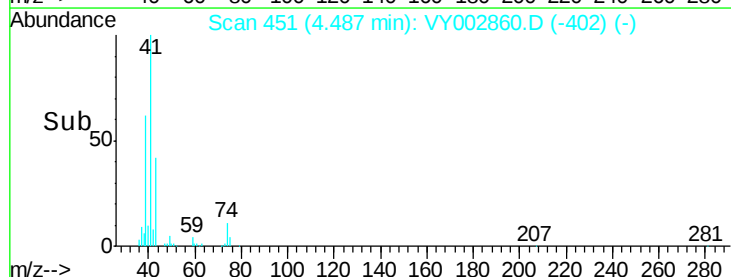
20000

10000

0

4.30 4.40 4.50 4.60 4.70

Time-->





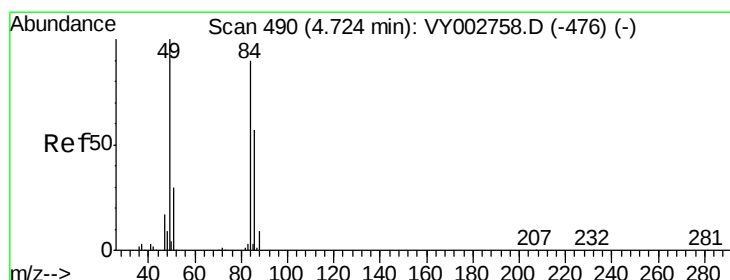
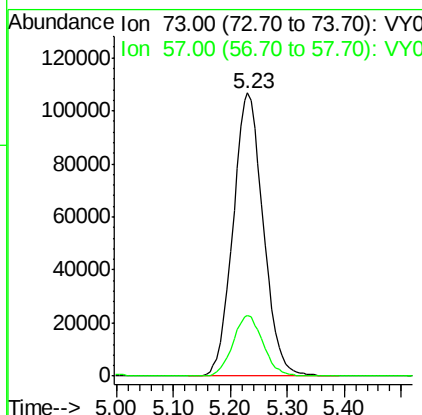
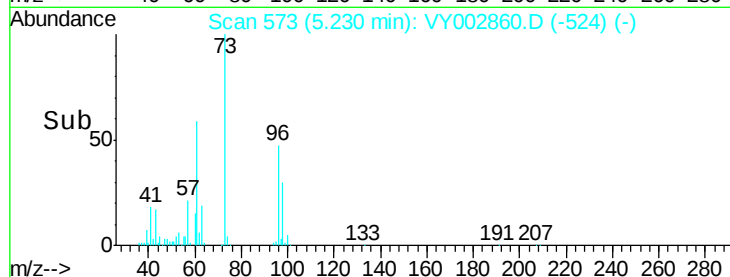
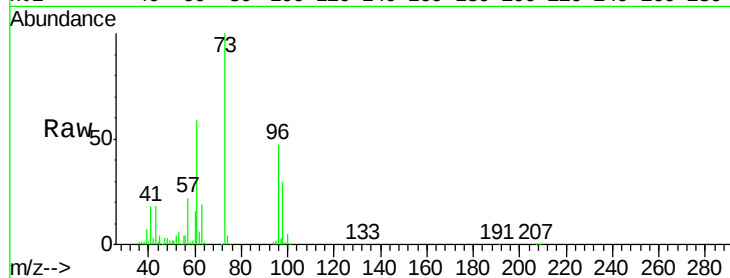
#19
Methvl tert-butvl Ether
Concen: 53.118 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 393859
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.4

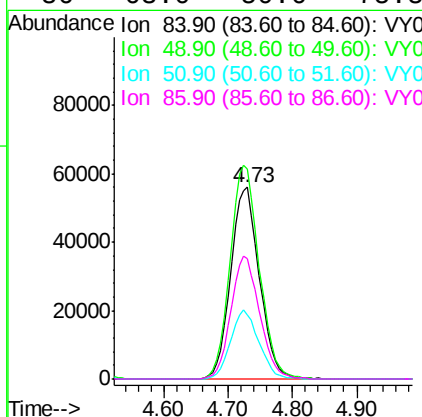
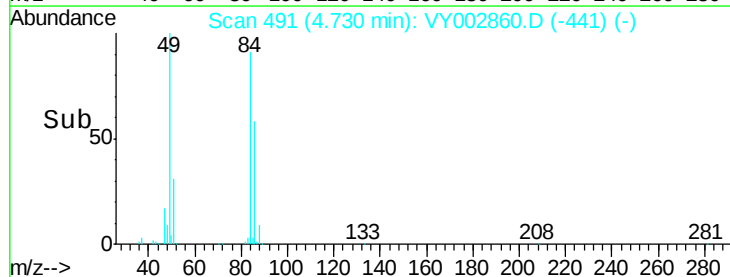
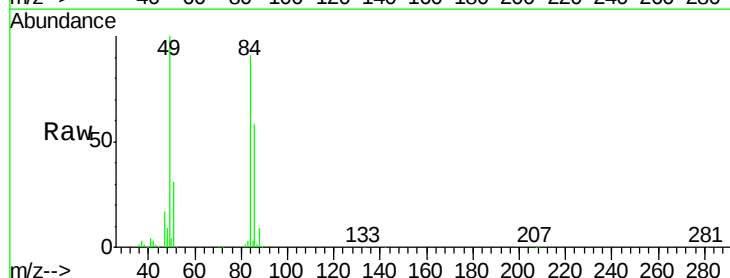
Manual Integrations
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6/8/2020 11:28:10 AM



#20
Methylene Chloride
Concen: 55.397 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion: 84 Resp: 174018
Ion Ratio Lower Upper
84 100
49 109.4 88.5 132.7
51 33.6 26.8 40.2
86 63.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.135 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

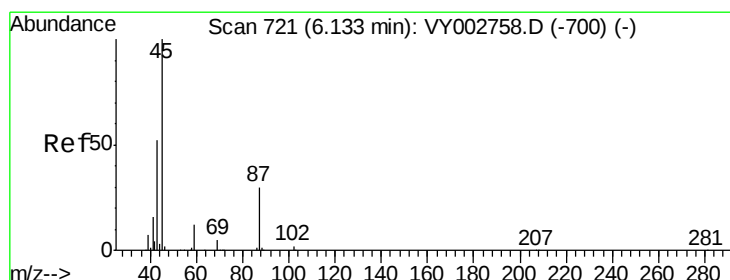
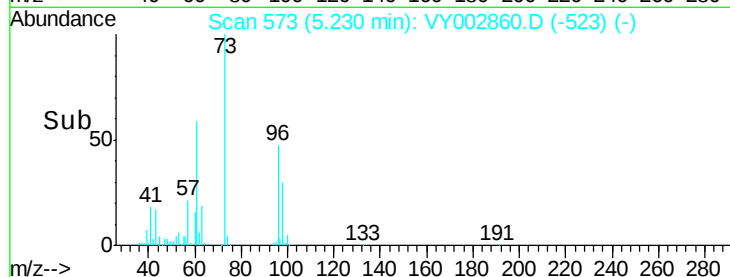
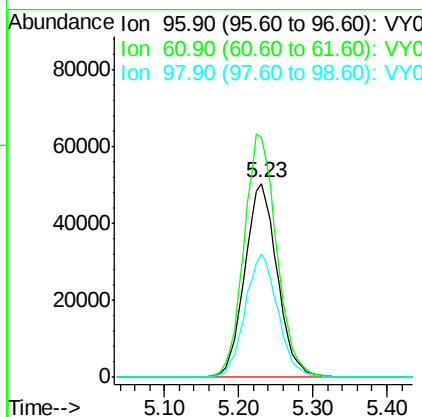
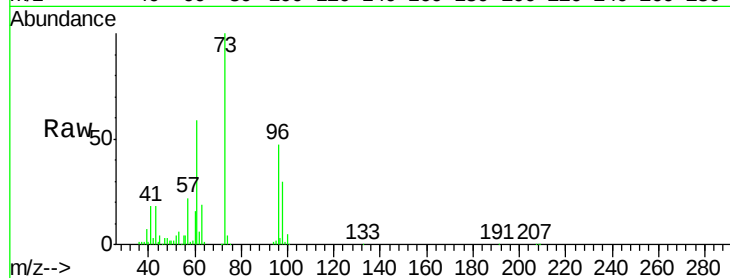
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	154454
Ion	Ratio	Lower	Upper
96	100		
61	124.0	96.8	145.2
98	63.8	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.191 ug/l

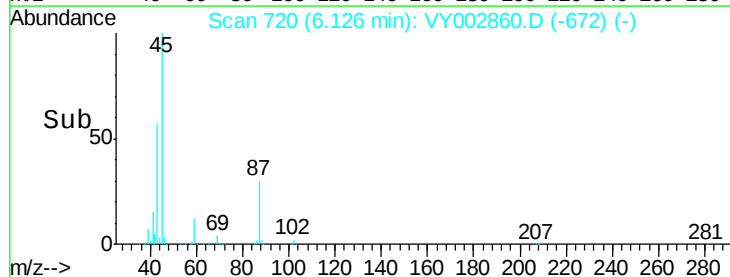
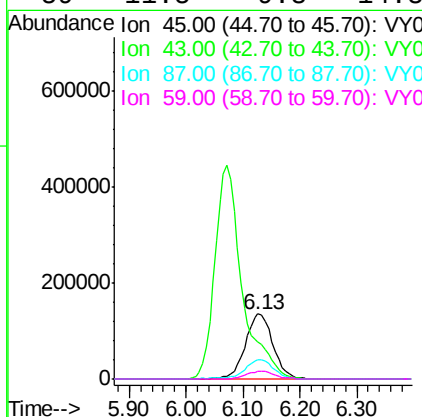
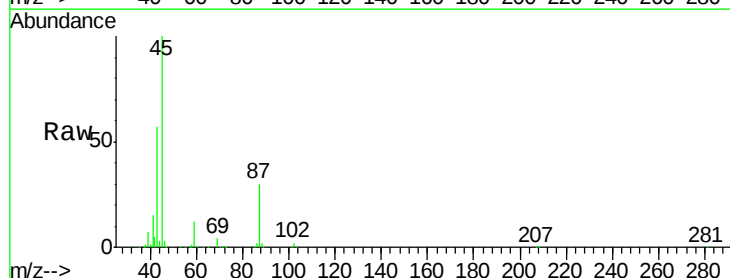
RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion:	45	Resp:	457806
Ion	Ratio	Lower	Upper
45	100		
43	56.7	41.7	62.5
87	29.6	24.2	36.2
59	11.5	9.8	14.8





#23

Vinyl Acetate

Concen: 279.383 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1476550

Ion Ratio Lower Upper

43 100

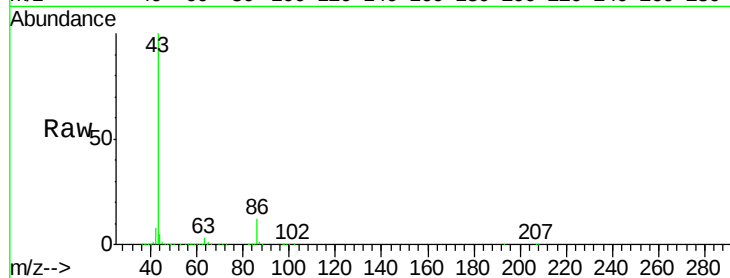
86 12.1 10.2 15.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

400000

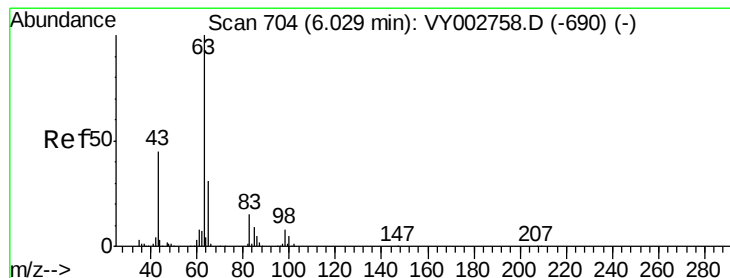
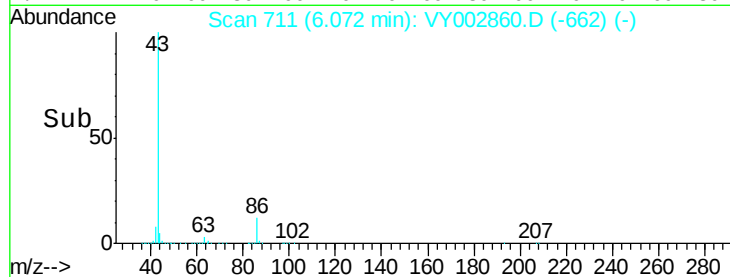
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.514 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

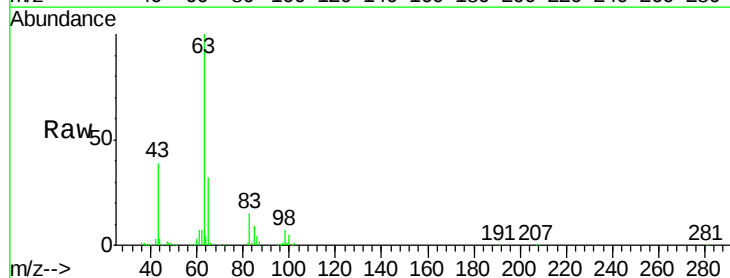
Tgt Ion: 63 Resp: 259954

Ion Ratio Lower Upper

63 100

98 7.5 4.0 12.2

100 4.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

100000

80000

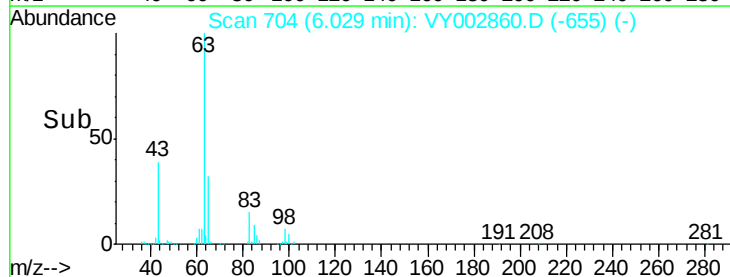
60000

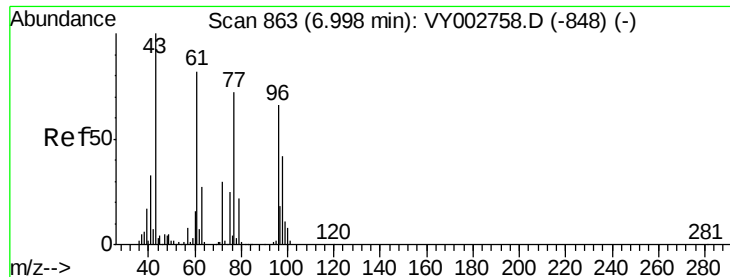
40000

20000

0

Time-->





#25

2-Butanone

Concen: 247.327 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 247693

Ion Ratio Lower Upper

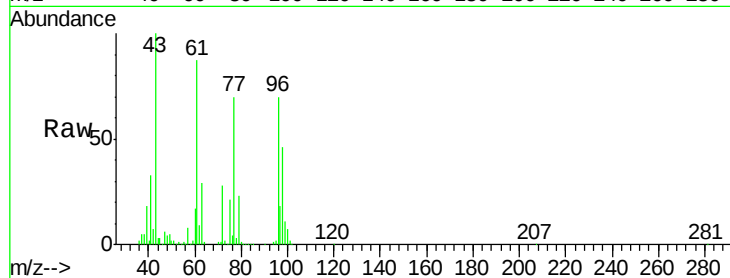
43 100

72 27.8 23.9 35.9

Manual Integrations
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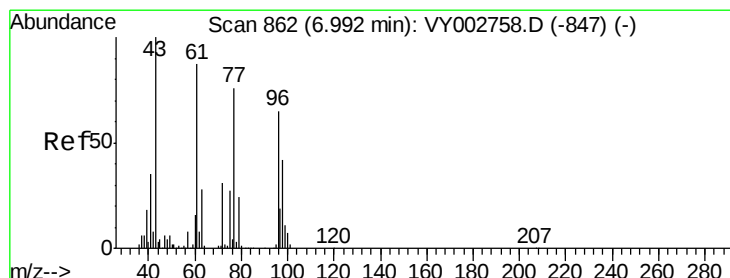
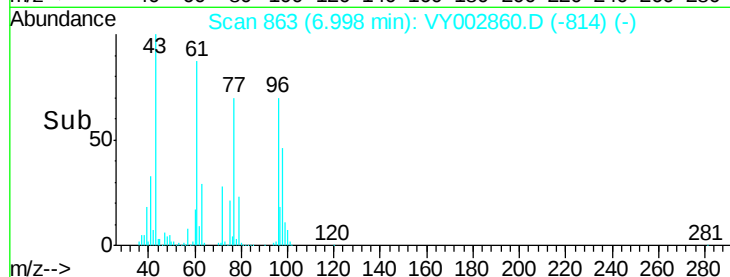
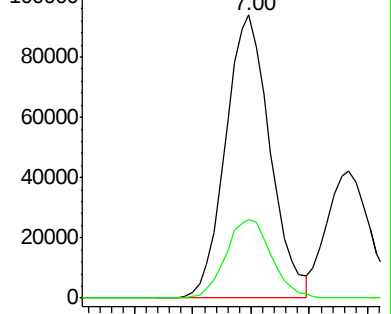
MMDadoda

6/8/2020 11:28:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 47.807 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002860.D

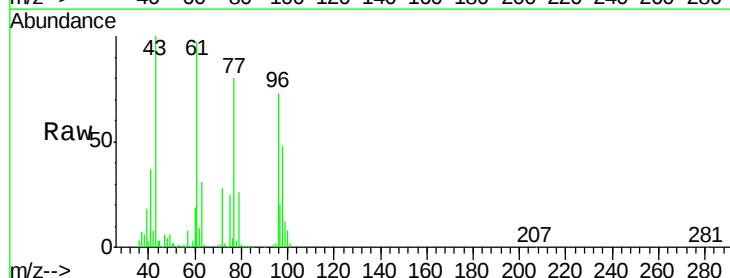
Acq: 05 Jun 2020 20:34

Tgt Ion: 77 Resp: 214699

Ion Ratio Lower Upper

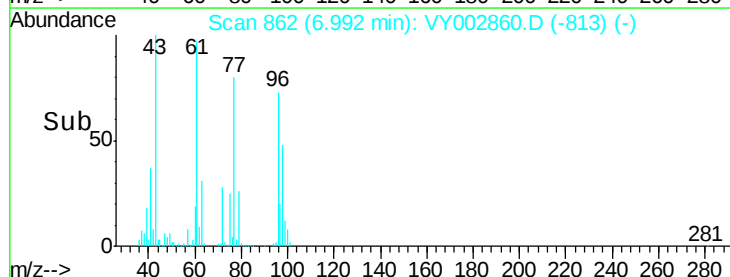
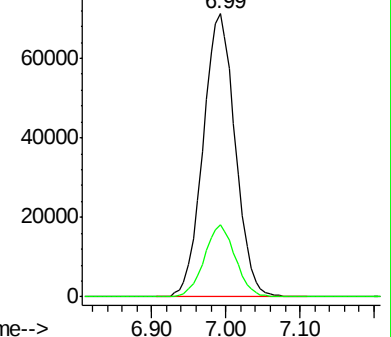
77 100

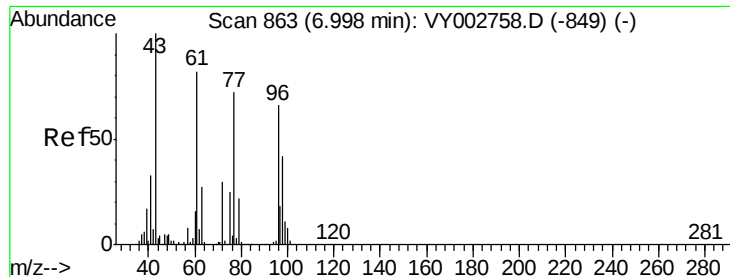
97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

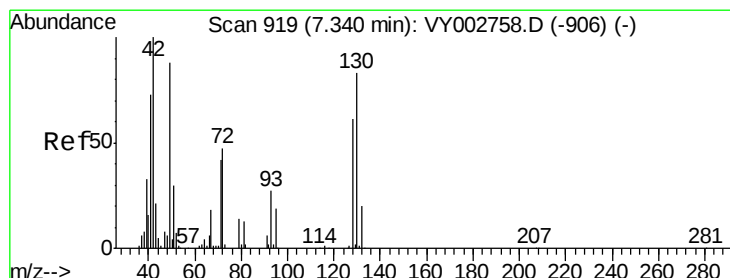
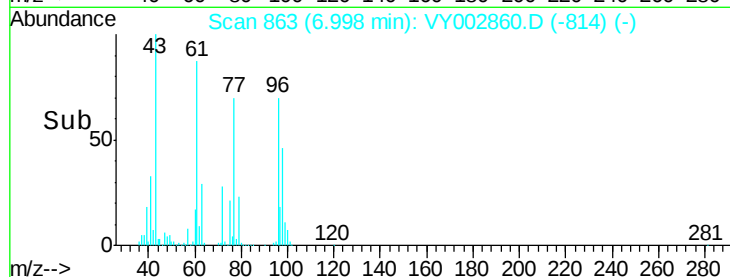
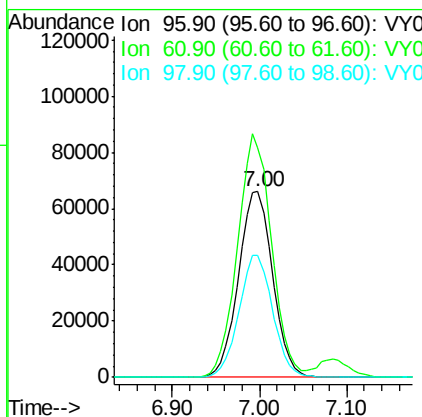
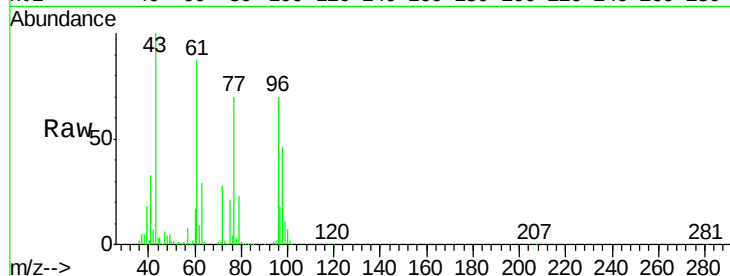
cis-1,2-Dichloroethene
Concen: 53.214 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179934		
61	130.4	0.0	260.2	
98	64.8	0.0	128.2	

Manual Integrations
APPROVED

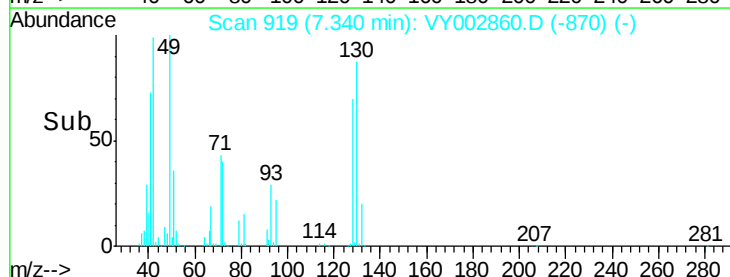
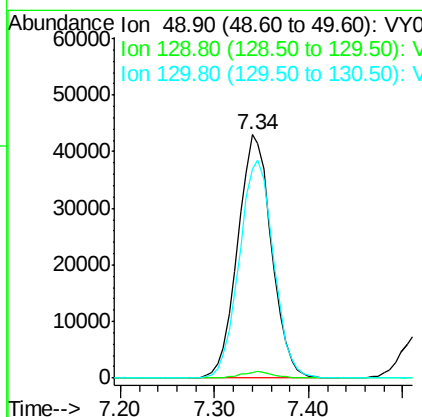
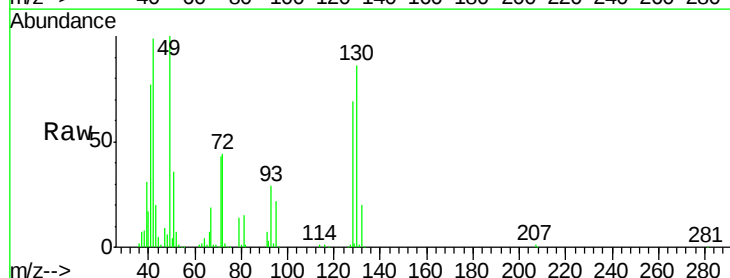
MMDadoda
6/8/2020 11:28:10 AM

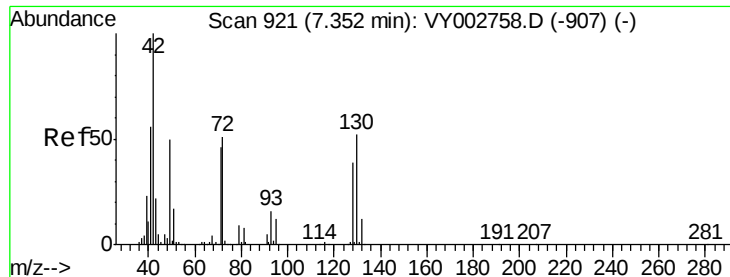


#28

Bromochloromethane
Concen: 56.285 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108197		
129	2.5	0.0	5.2	
130	90.8	77.1	115.7	





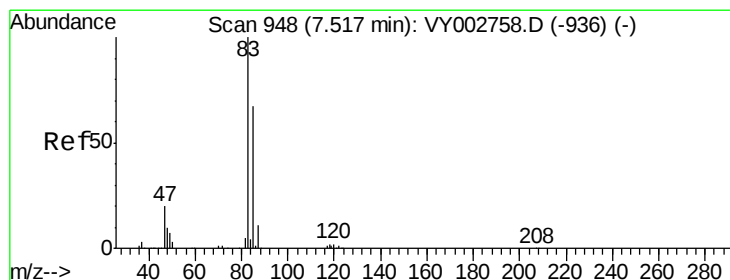
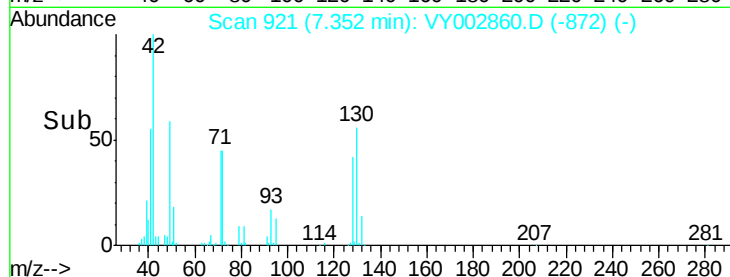
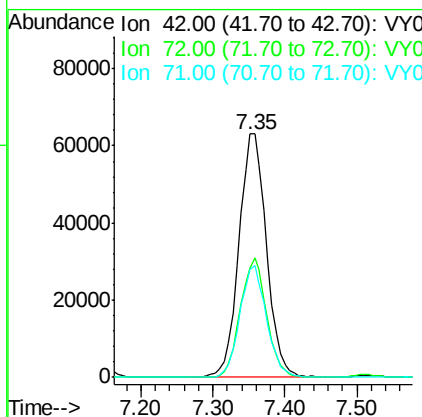
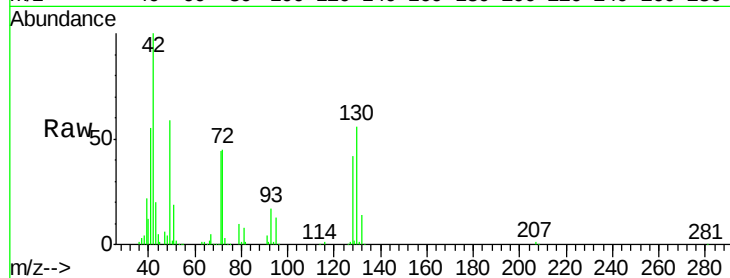
#29
Tetrahydrofuran
Concen: 257.285 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.6	58.0
71	44.4	35.8	53.8

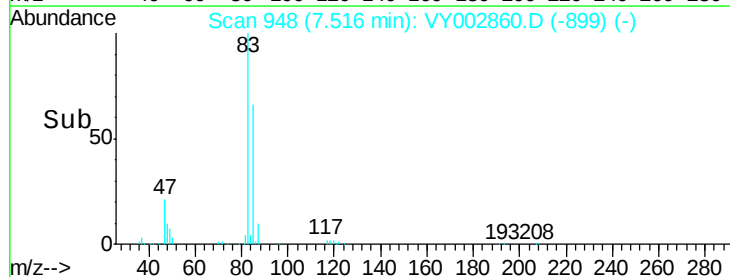
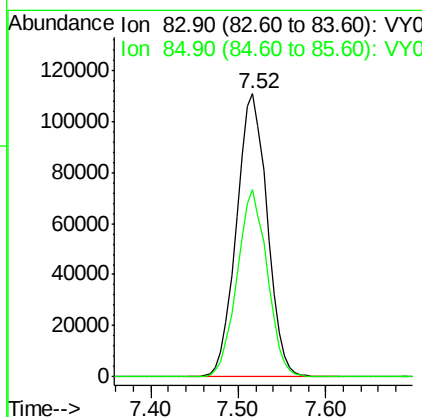
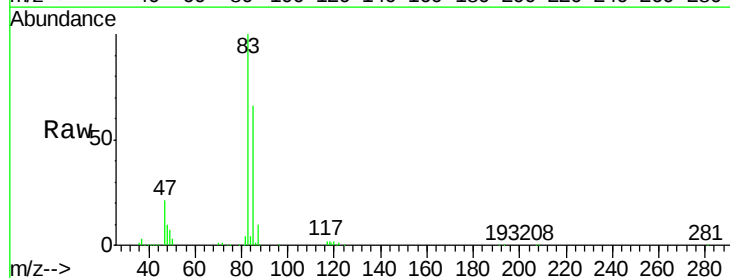
Manual Integrations
APPROVED

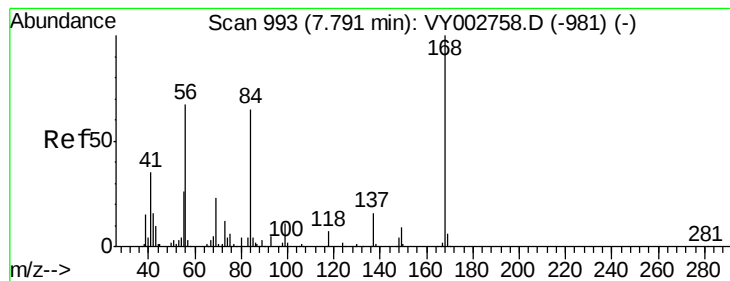
MMDadoda
6/8/2020 11:28:10 AM



#30
Chloroform
Concen: 54.450 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.8	80.8





#31

Cyclohexane

Concen: 48.559 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 225764

Ion Ratio Lower Upper

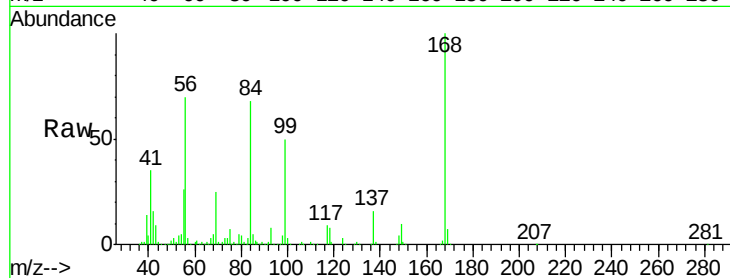
56 100

69 35.4 28.0 42.0

84 95.9 77.7 116.5

Manual Integrations
APPROVED

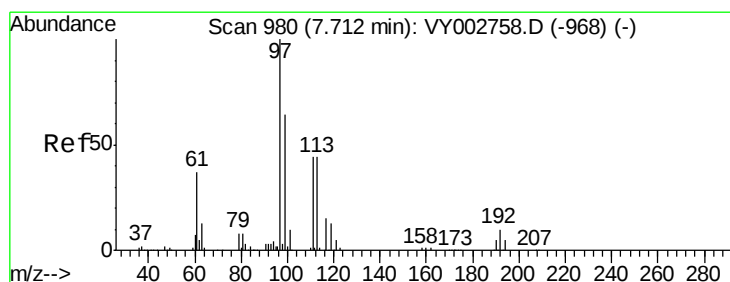
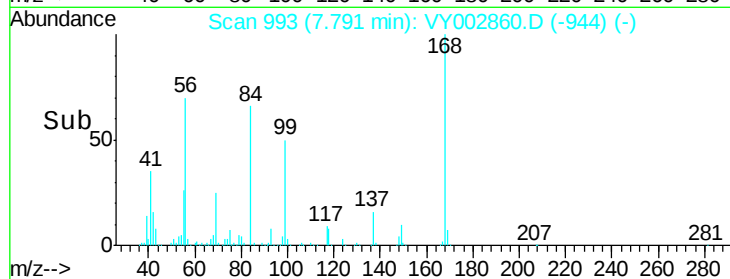
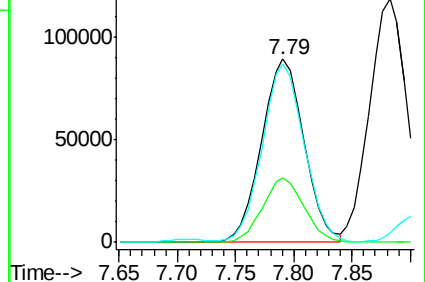
MMDadoda
6/8/2020 11:28:10 AM



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: 51.031 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

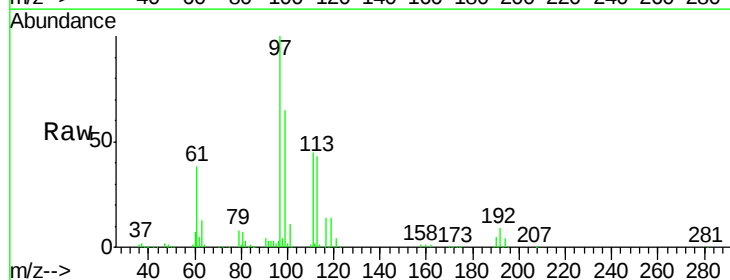
Tgt Ion: 97 Resp: 236294

Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

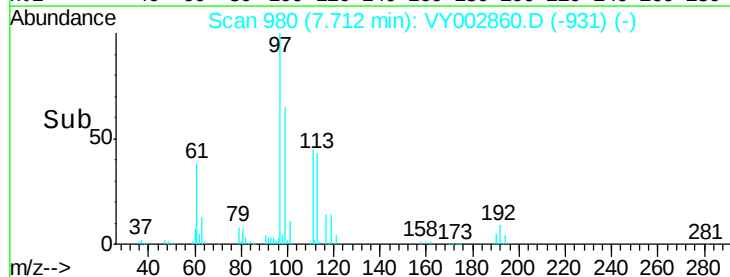
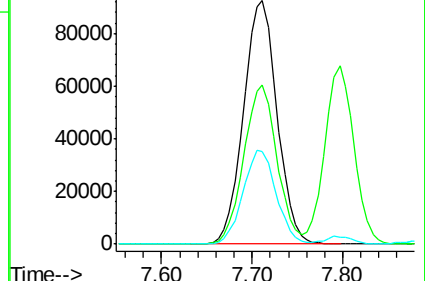
61 38.4 30.1 45.1



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





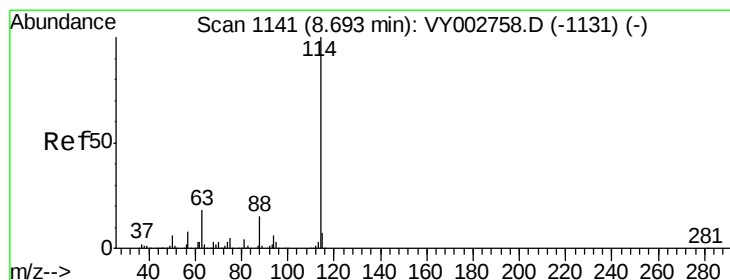
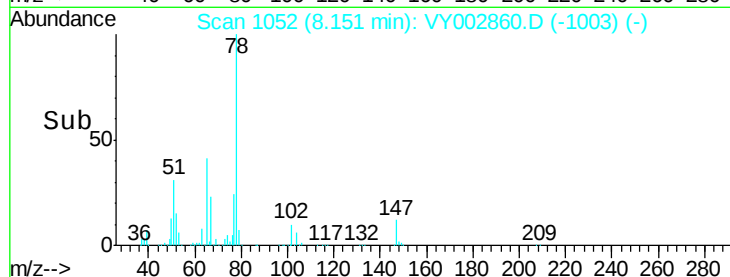
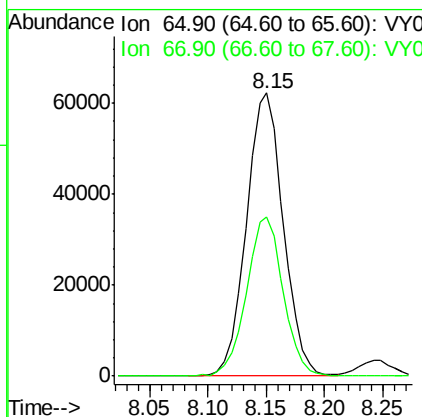
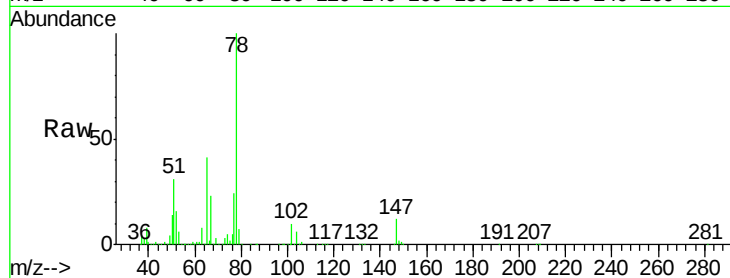
#33
 1,2-Dichloroethane-d4
 Concen: 49.962 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	111.0	

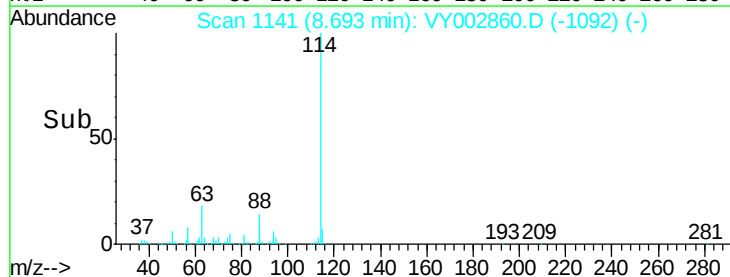
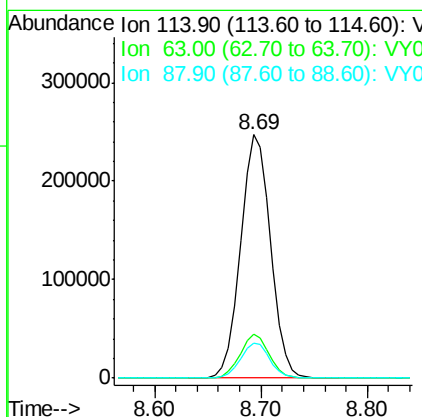
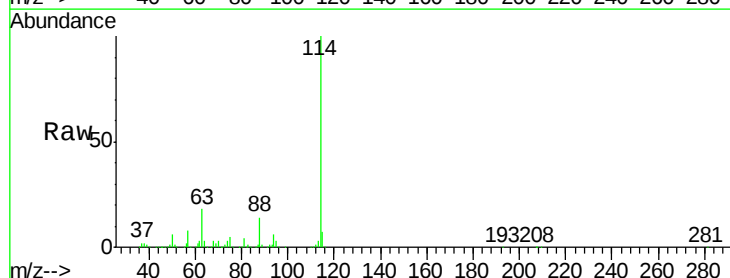
Manual Integrations
 APPROVED

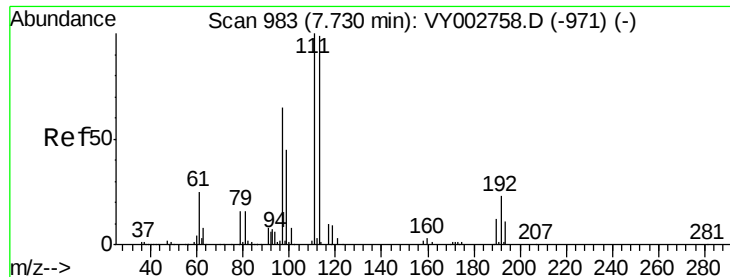
MMDadoda
 6/8/2020 11:28:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.2	
88	14.5	0.0	29.2	





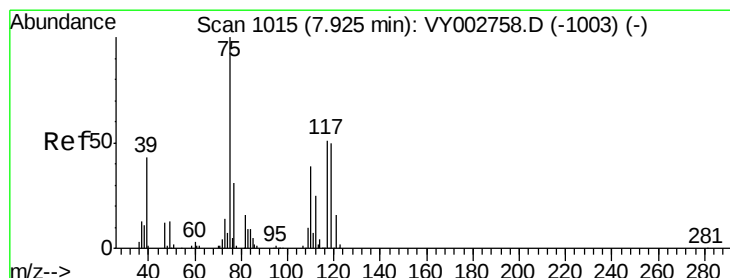
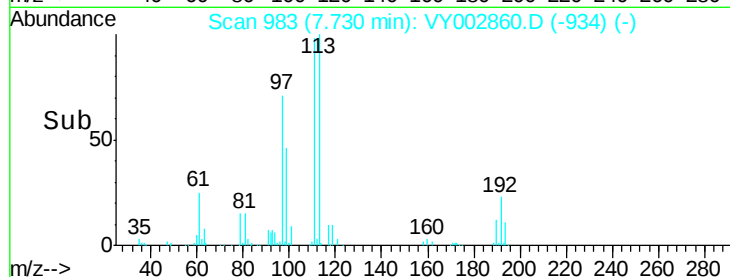
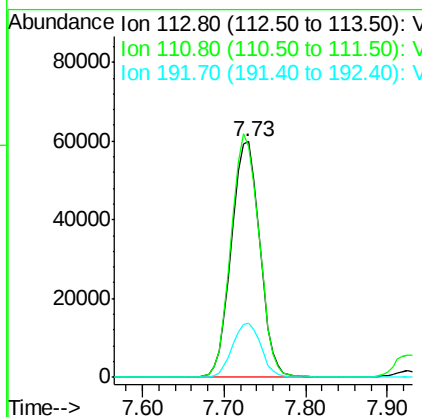
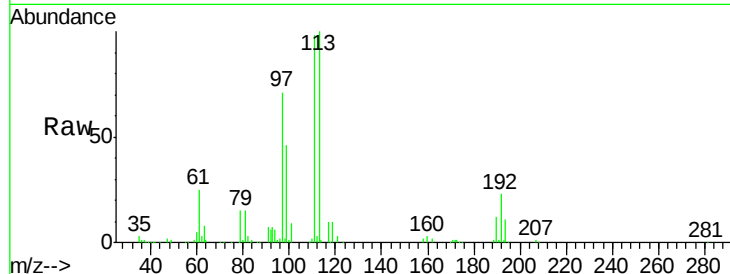
#35
Dibromofluoromethane
Concen: 50.672 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144526		
111	102.0	82.0	123.0	
192	22.8	18.9	28.3	

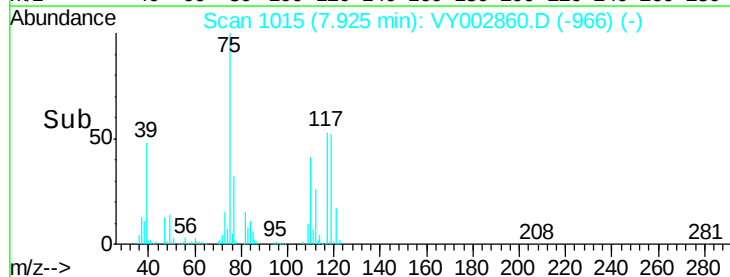
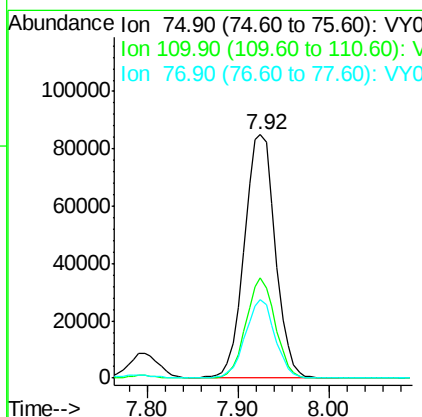
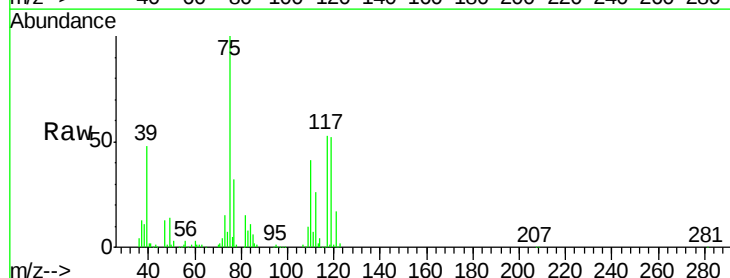
Manual Integrations
APPROVED

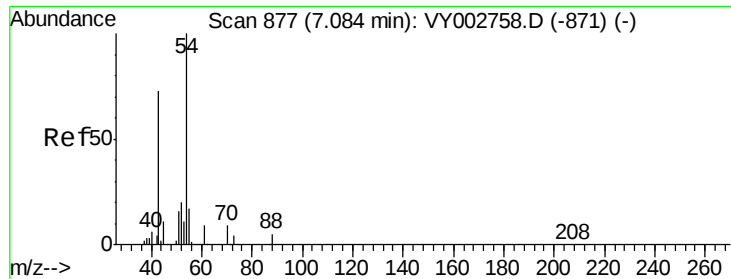
MMDadoda
6/8/2020 11:28:10 AM



#36
1,1-Dichloropropene
Concen: 48.956 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200706		
110	38.7	19.3	57.9	
77	31.0	24.8	37.2	





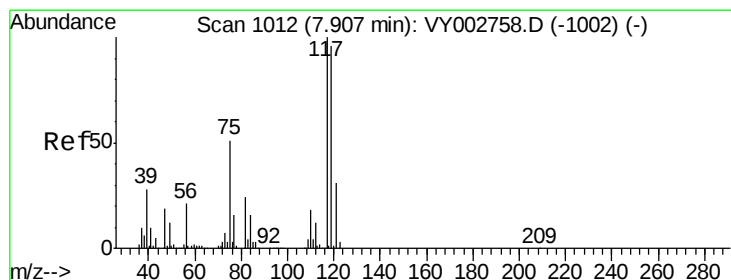
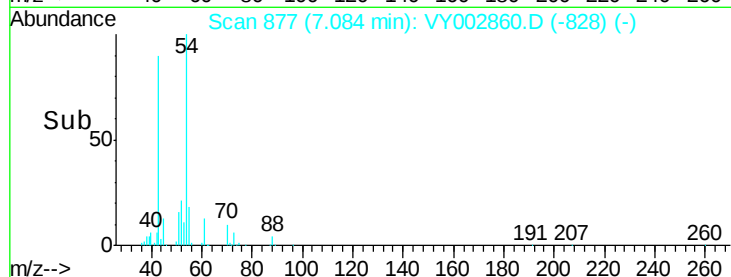
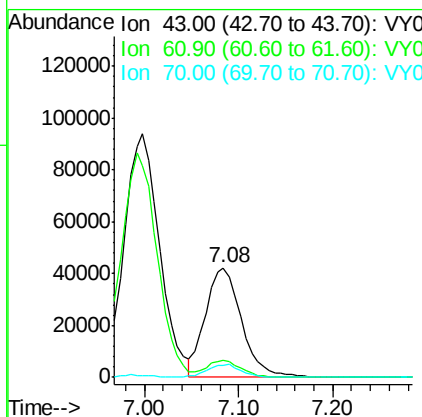
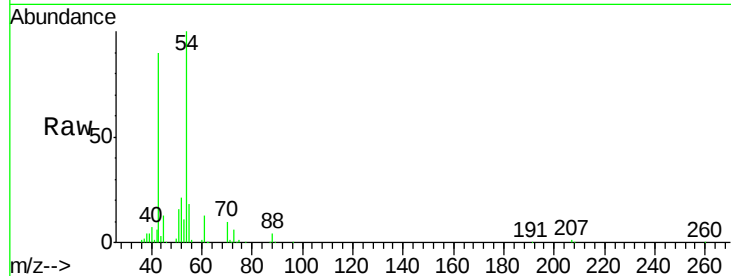
#37
Ethyl Acetate
Concen: 49.984 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	11.0	9.1	13.7

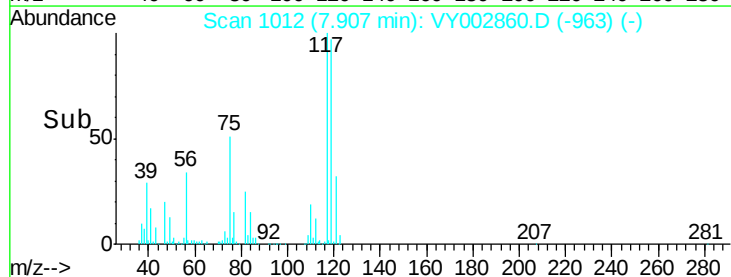
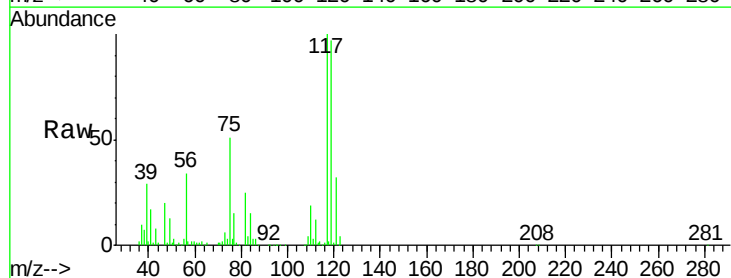
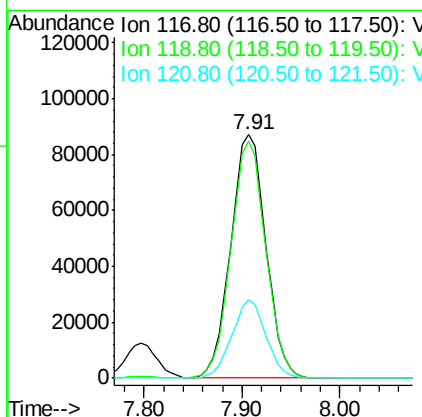
Manual Integrations
APPROVED

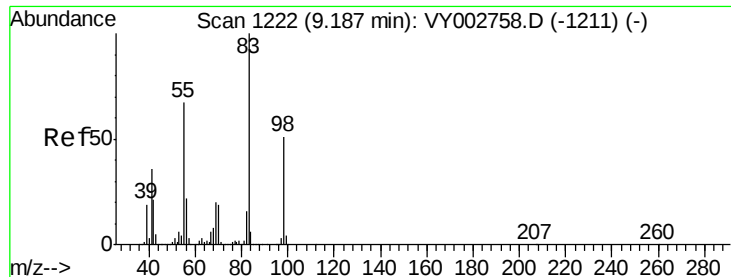
MMDadoda
6/8/2020 11:28:10 AM



#38
Carbon Tetrachloride
Concen: 47.731 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.8	115.2
121	32.3	24.8	37.2





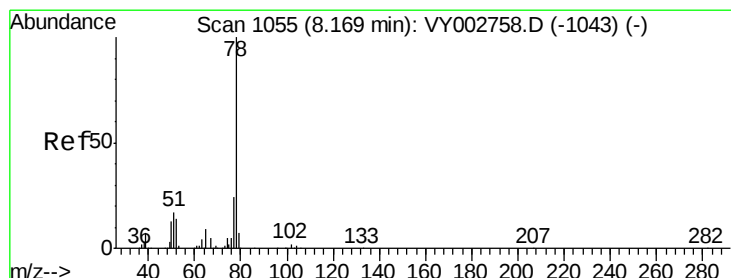
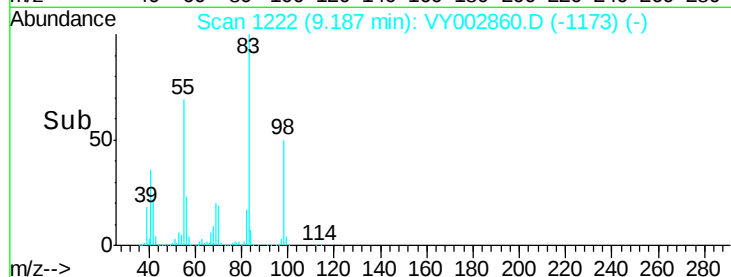
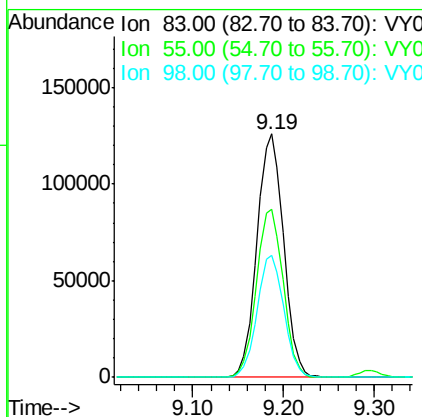
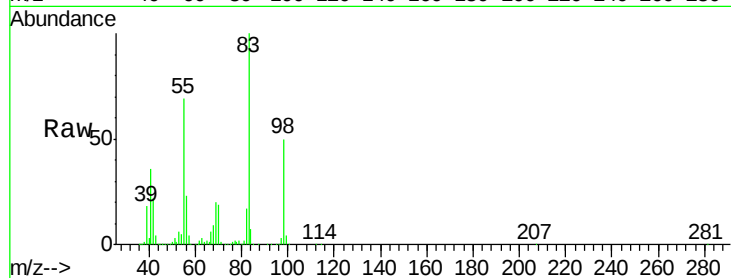
#39
Methvlcvclohexane
Concen: 47.419 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	53.3	79.9
98	49.9	41.1	61.7

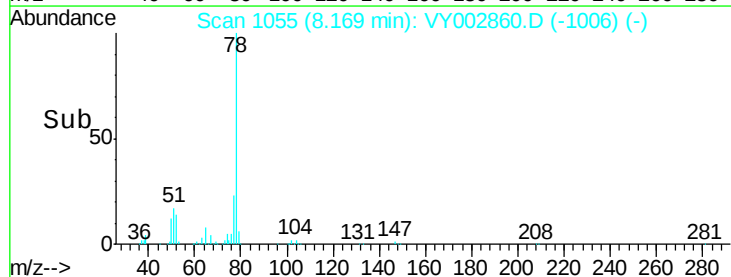
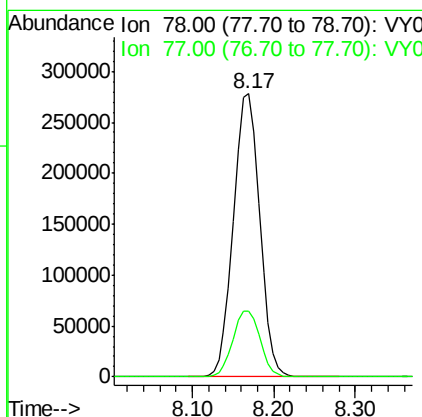
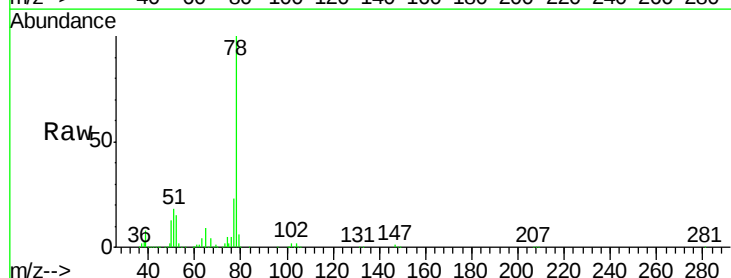
Manual Integrations
APPROVED

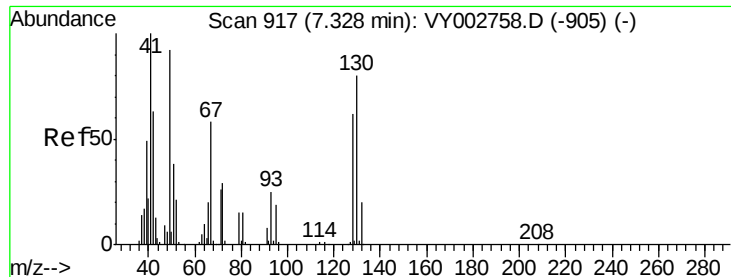
MMDadoda
6/8/2020 11:28:10 AM



#40
Benzene
Concen: 51.069 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





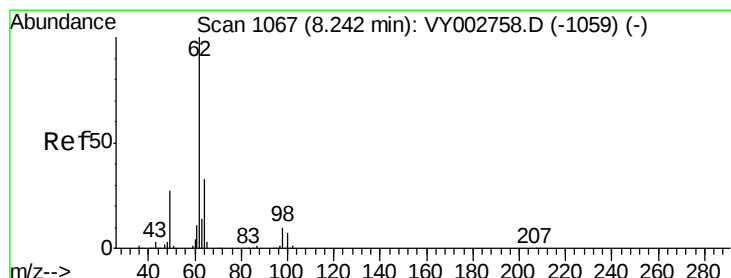
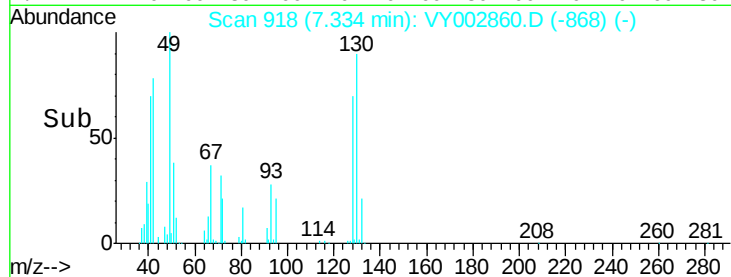
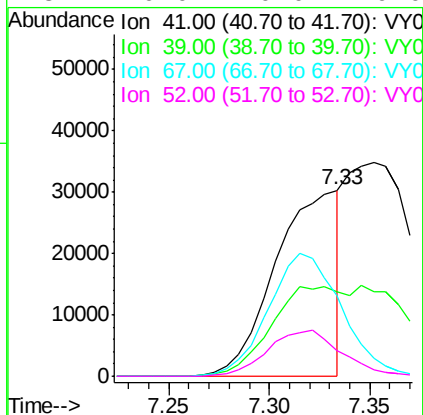
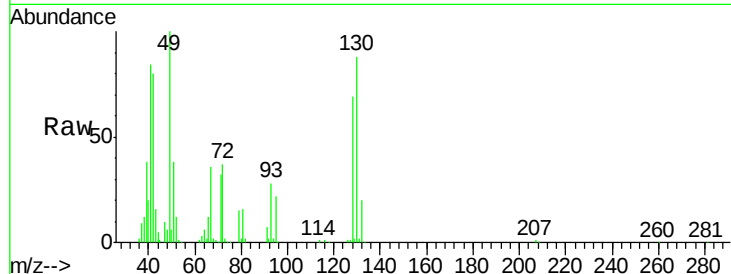
#41
Methacrylonitrile
Concen: 56.253 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	67408
Ion Ratio	100	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

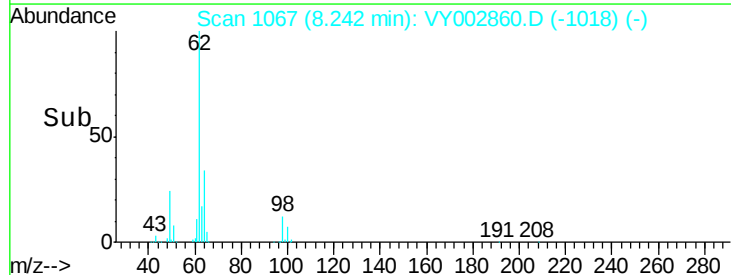
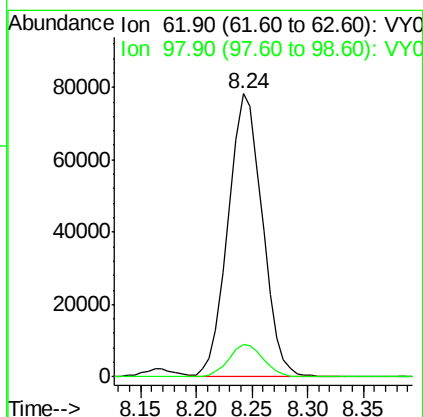
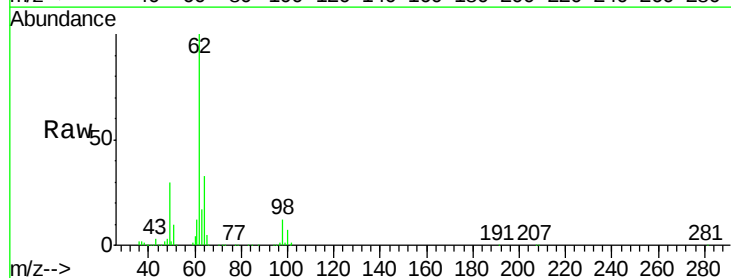
Manual Integrations
APPROVED

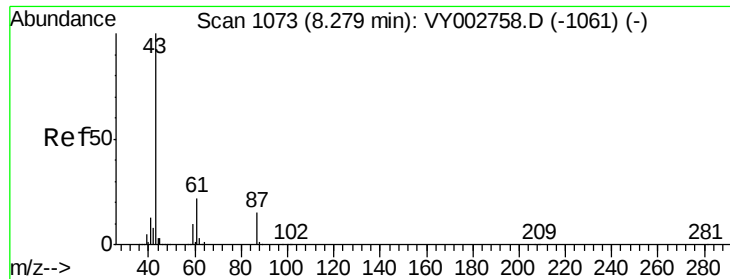
MMDadoda
6/8/2020 11:28:10 AM



#42
1,2-Dichloroethane
Concen: 49.243 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	62	Resp	167175
Ion Ratio	100	Lower	Upper
62	100		
98	11.5	0.0	22.6





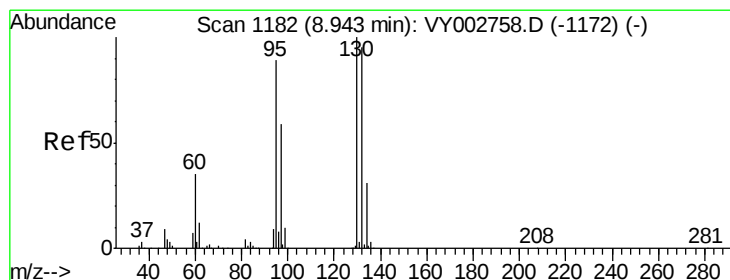
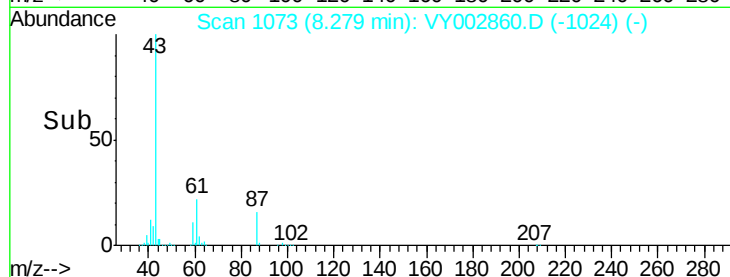
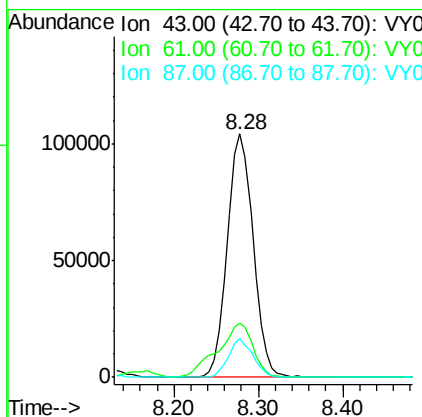
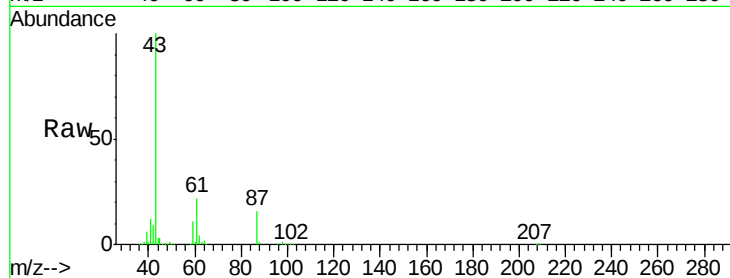
#43
Isopropyl Acetate
Concen: 51.178 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.8	37.2
87	15.1	12.4	18.6

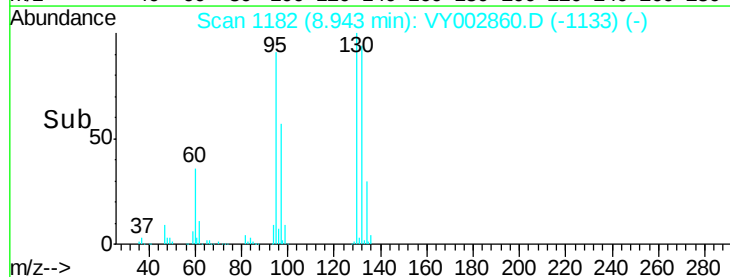
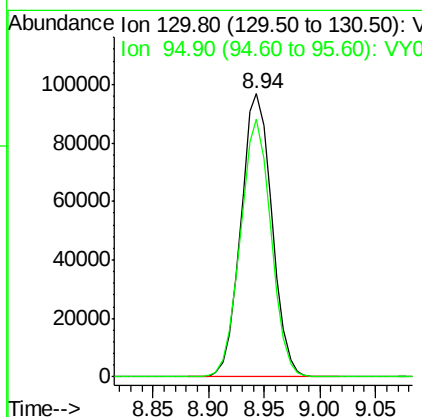
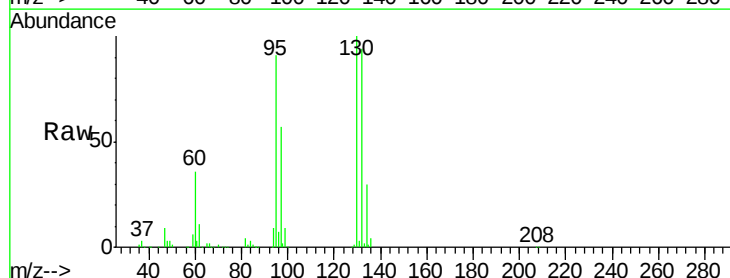
Manual Integrations
APPROVED

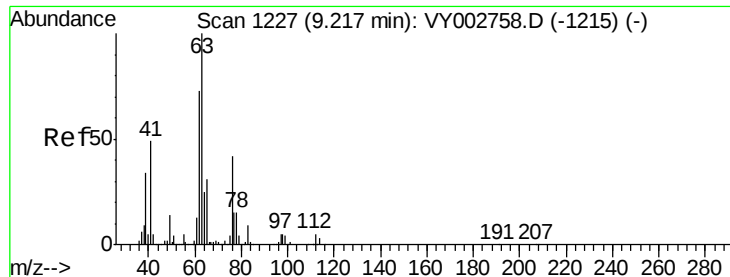
MMDadoda
6/8/2020 11:28:10 AM



#44
Trichloroethene
Concen: 48.969 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	178.8





#45

1,2-Dichloropropane

Concen: 53.525 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 155491

Ion Ratio Lower Upper

63 100

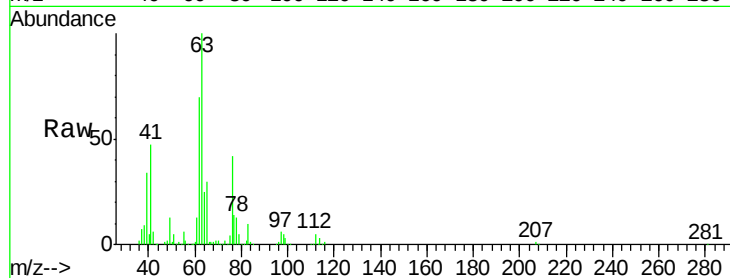
65 29.6 24.8 37.2

Manual Integrations

APPROVED

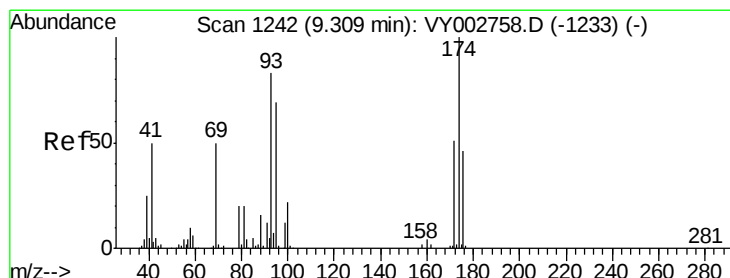
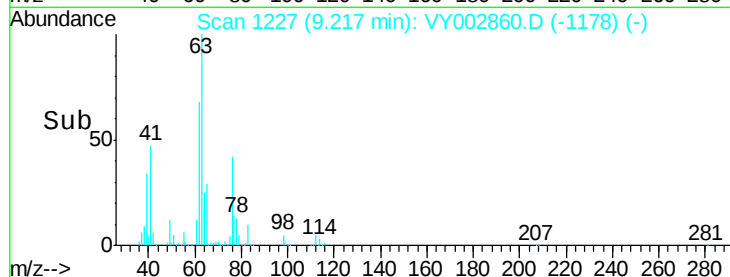
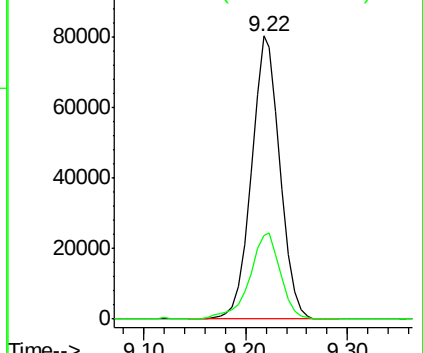
MMDadoda

6/8/2020 11:28:10 AM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 51.127 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

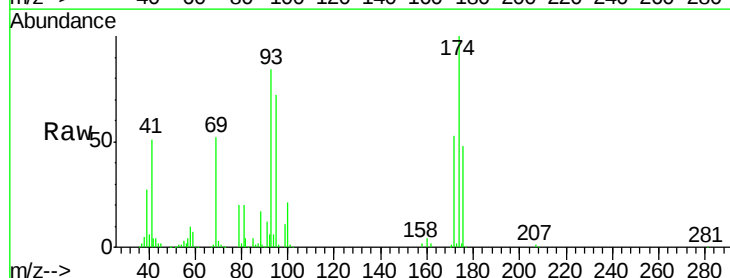
Tgt Ion: 93 Resp: 88208

Ion Ratio Lower Upper

93 100

95 83.8 66.9 100.3

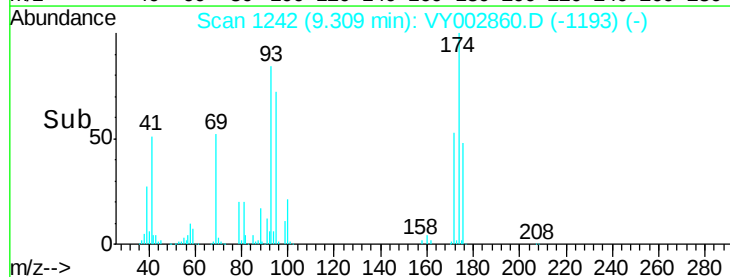
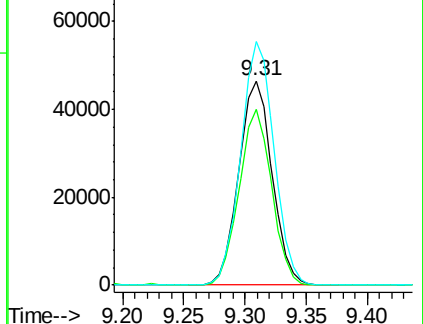
174 118.9 97.7 146.5



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.421 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

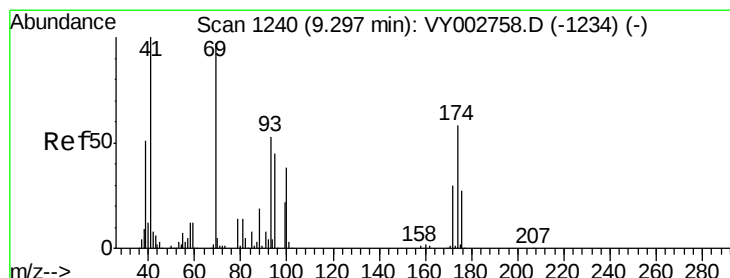
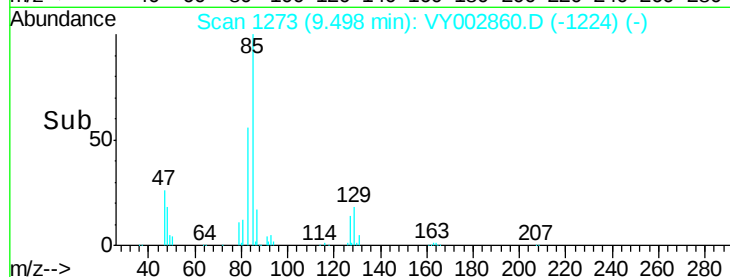
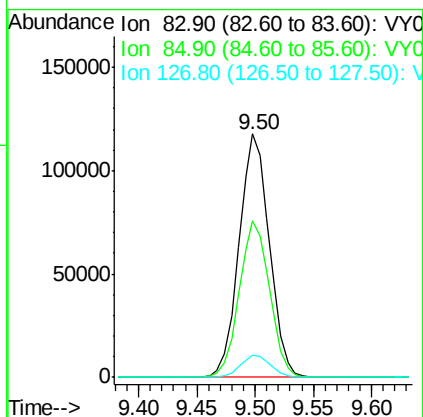
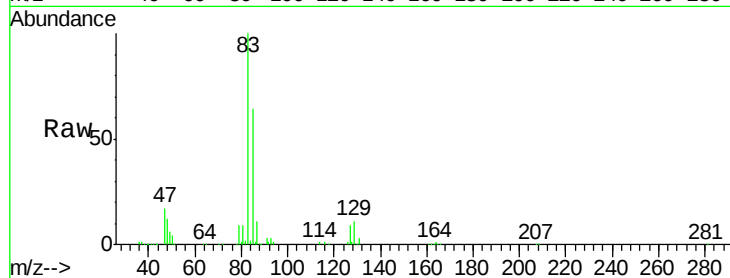
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	213206
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.660 ug/l

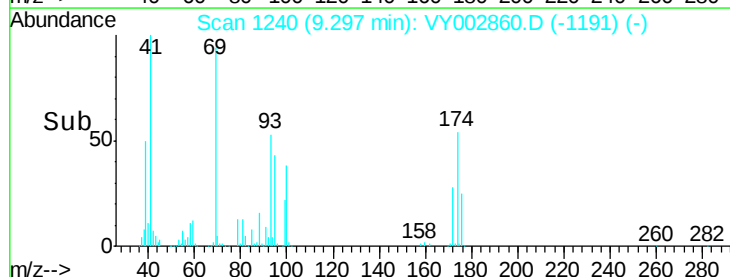
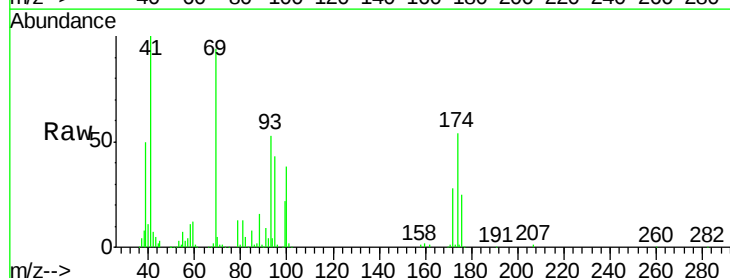
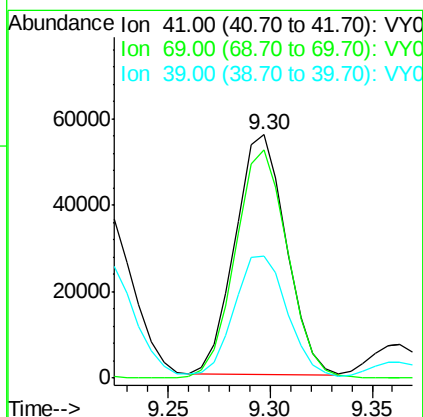
RT: 9.30 min Scan# 1240

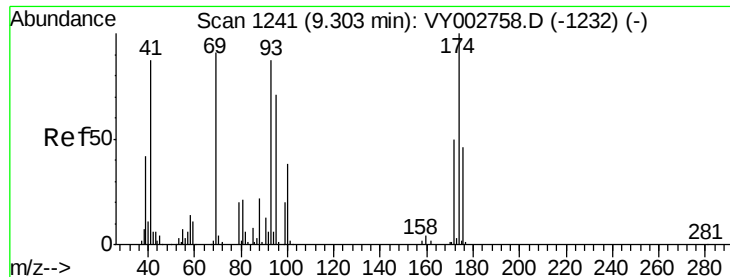
Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion:	41	Resp:	96667
Ion	Ratio	Lower	Upper
41	100		
69	97.3	79.7	119.5
39	53.6	43.3	64.9





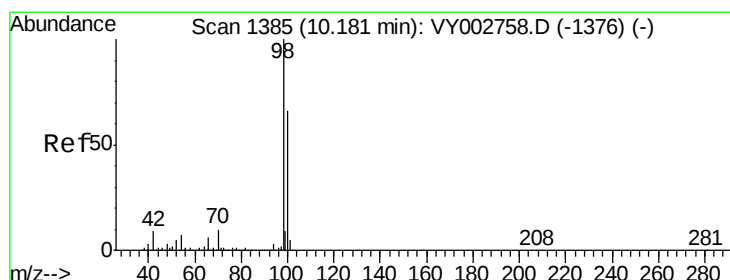
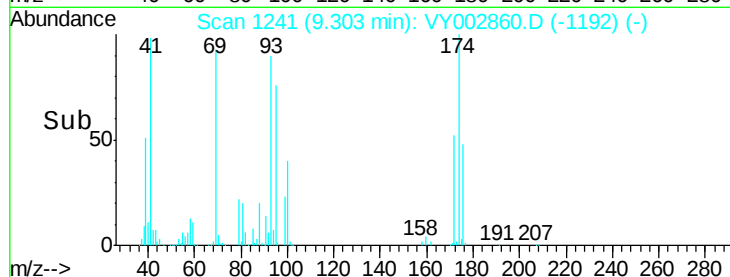
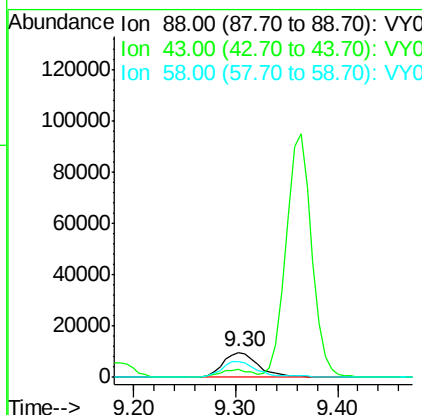
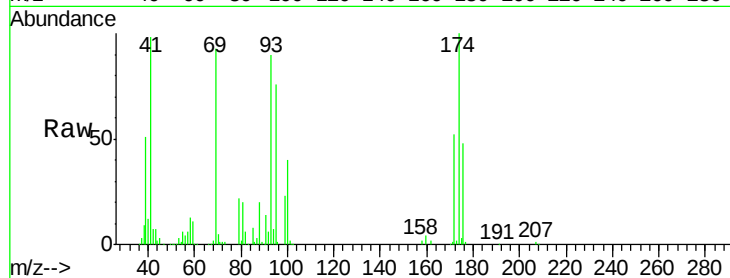
#49
1,4-Dioxane
Concen: 897.976 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	23788
Ion	Ratio	Lower	Upper
88	100		
43	26.9	21.3	31.9
58	66.9	52.2	78.2

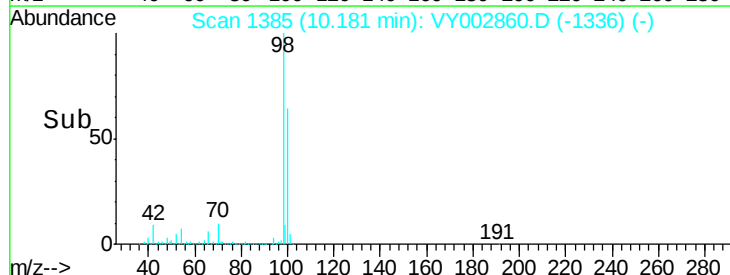
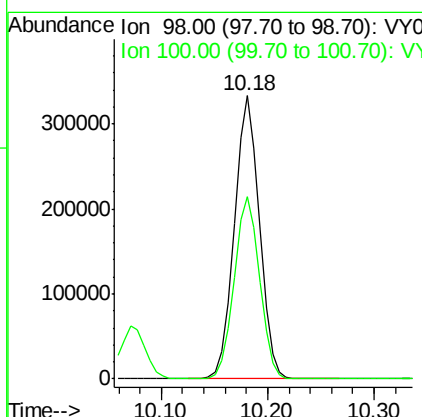
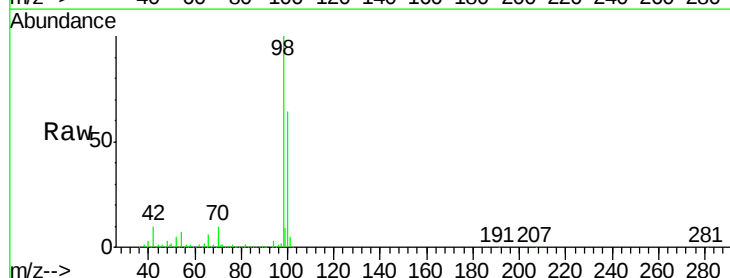
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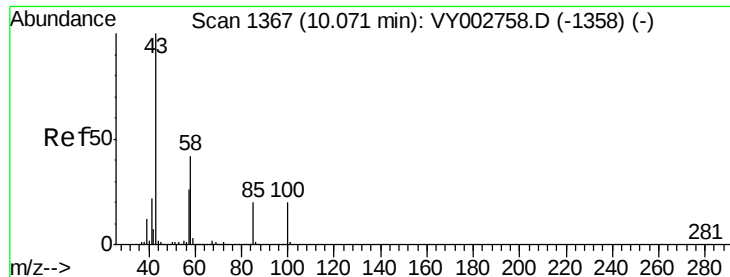
MMDadoda
6/8/2020 11:28:10 AM



#50
Toluene-d8
Concen: 47.648 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	98	Resp	549493
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





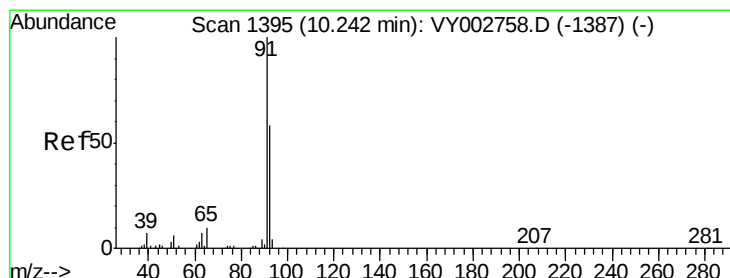
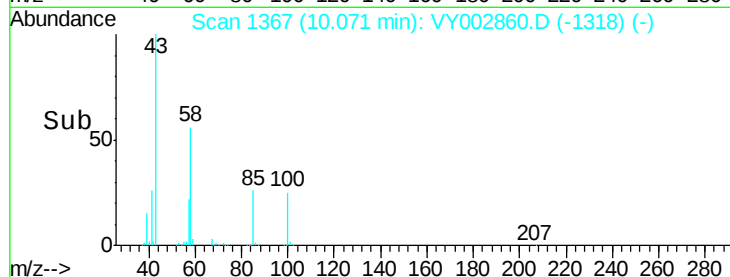
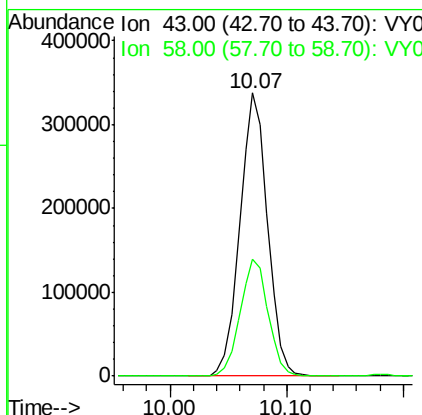
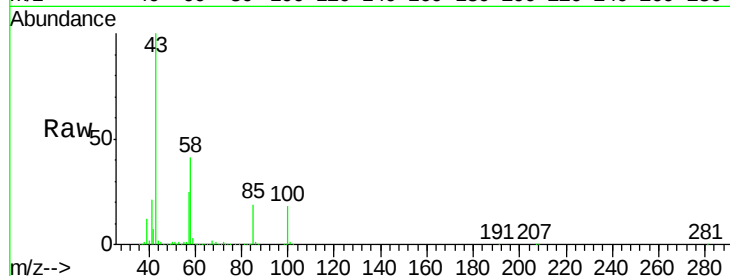
#51
4-Methyl-2-Pentanone
Concen: 249.320 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.2

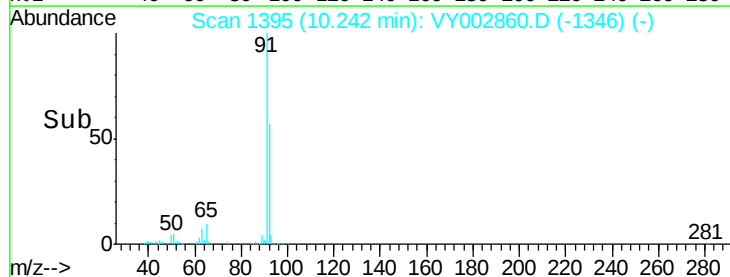
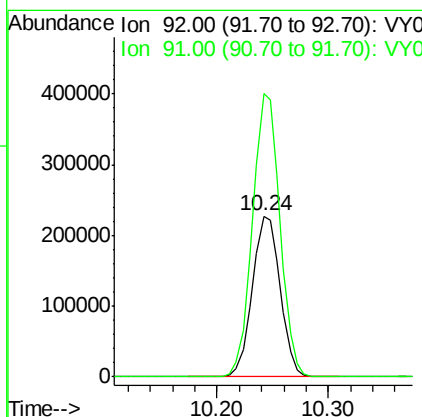
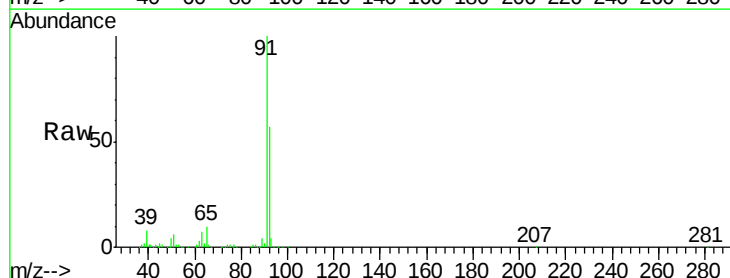
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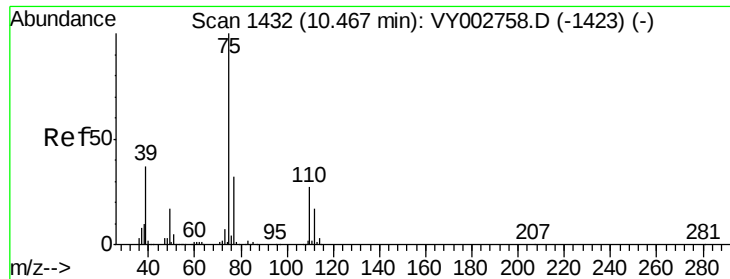
MMDadoda
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#52
Toluene
Concen: 49.902 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.5	207.7





#53

t-1,3-Dichloropropene

Concen: 50.337 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 223617

Ion Ratio Lower Upper

75 100

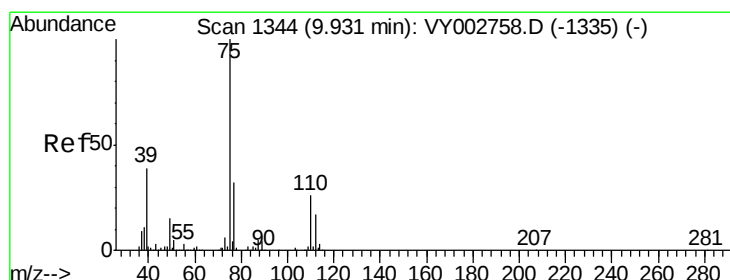
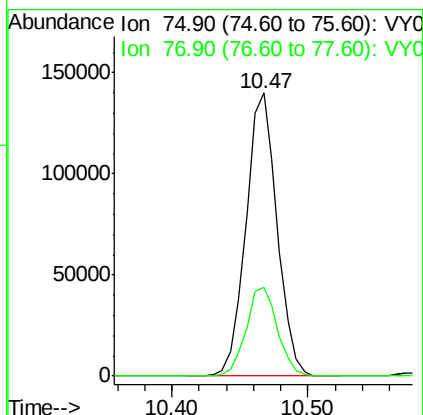
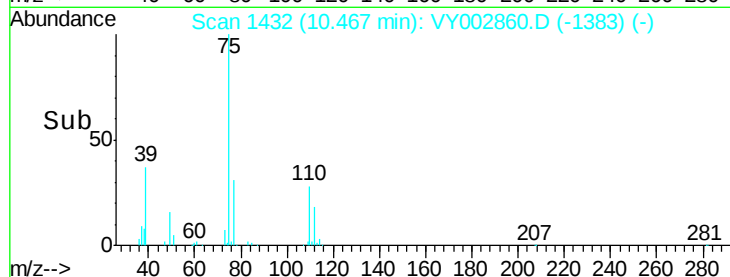
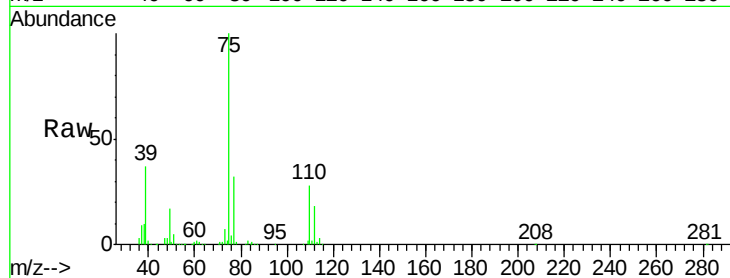
77 31.6 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.351 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

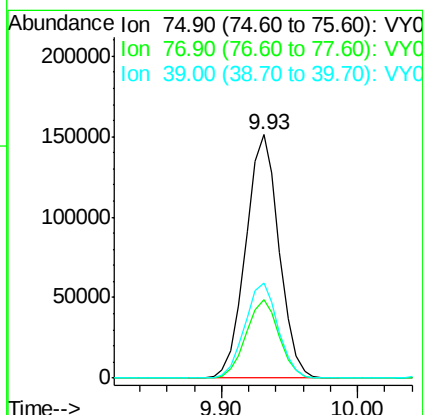
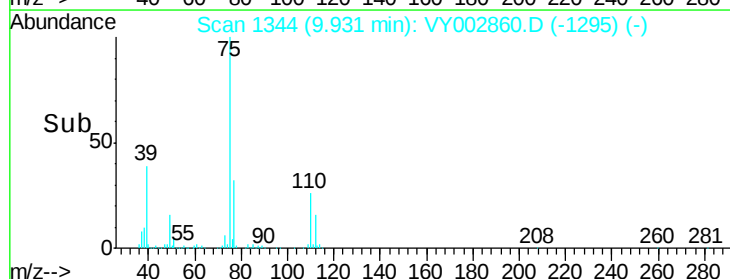
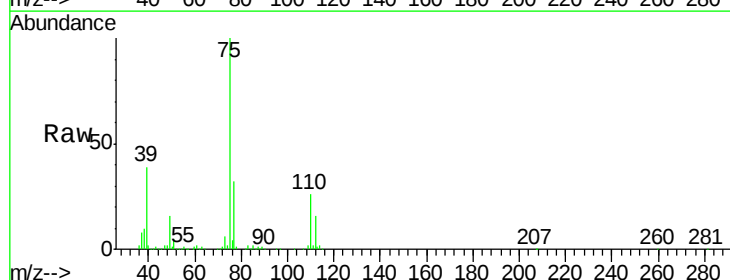
Tgt Ion: 75 Resp: 258490

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 39.2 31.3 46.9





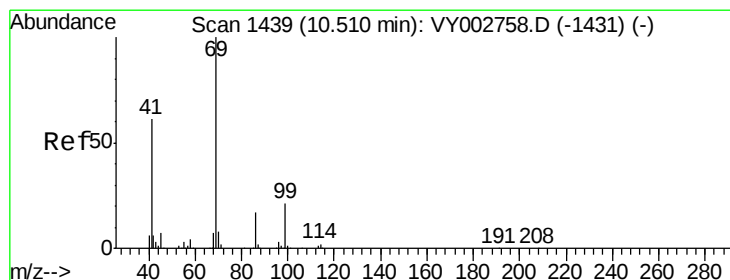
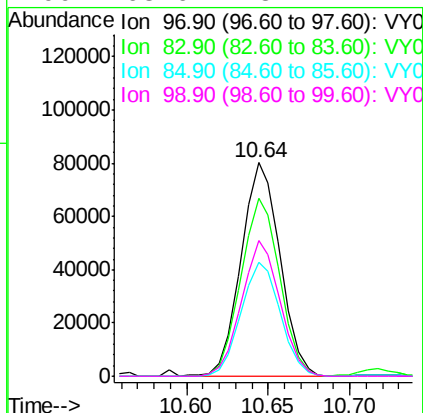
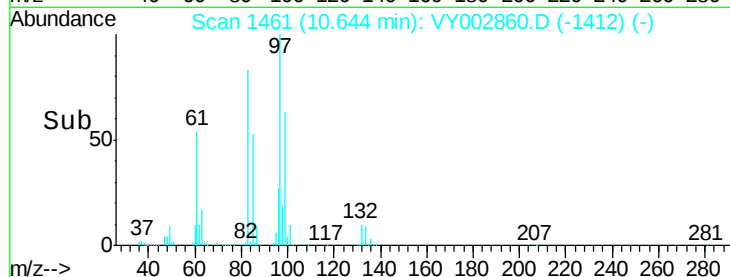
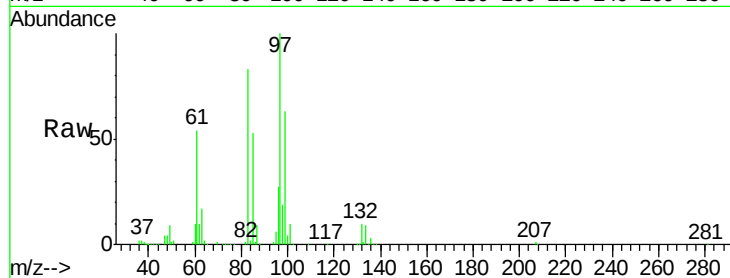
#55
 1,1,2-Trichloroethane
 Concen: 50.075 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	132263
Ion	Ratio	Lower	Upper
97	100		
83	83.7	62.7	94.1
85	53.5	40.6	60.8
99	63.6	48.2	72.4

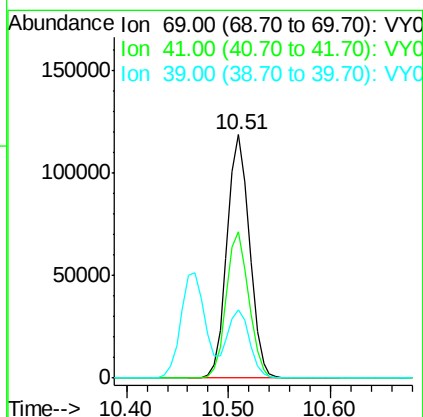
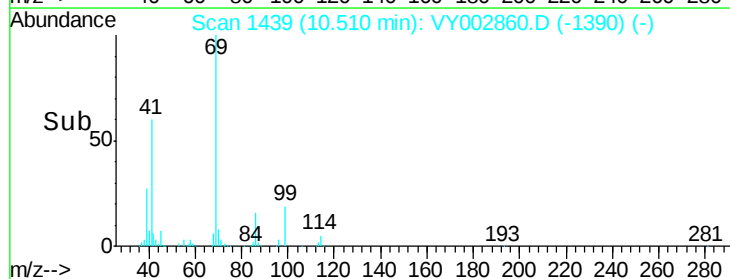
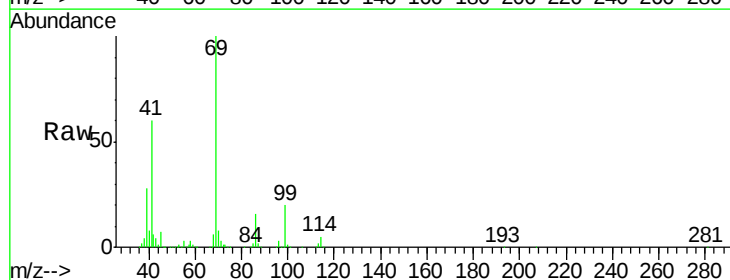
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#56
 Ethyl methacrylate
 Concen: 51.155 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion:	69	Resp:	180974
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.0	70.4
39	26.8	22.0	33.0





#57

1,3-Dichloropropane

Concen: 50.635 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 219978

Ion Ratio Lower Upper

76 100

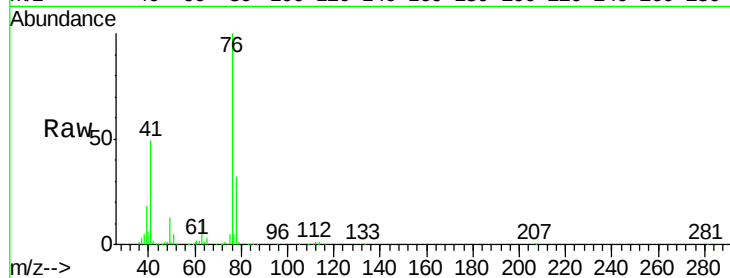
78 32.8 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

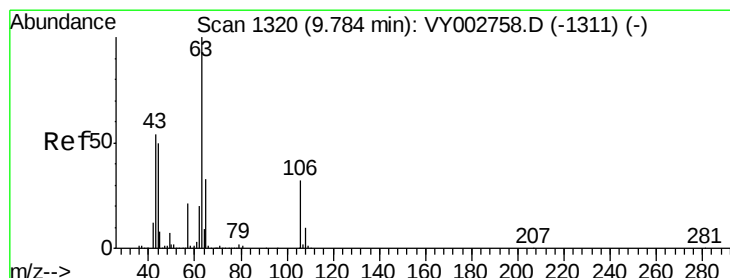
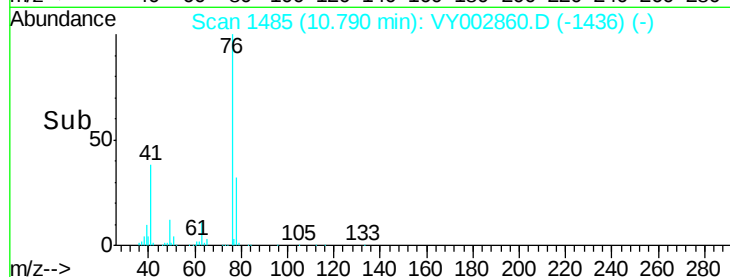
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.972 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002860.D

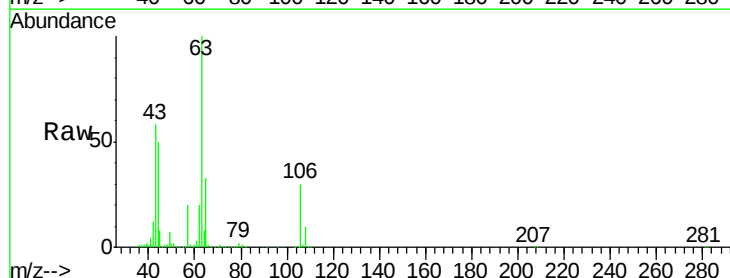
Acq: 05 Jun 2020 20:34

Tgt Ion: 63 Resp: 463233

Ion Ratio Lower Upper

63 100

106 30.7 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

300000

250000

200000

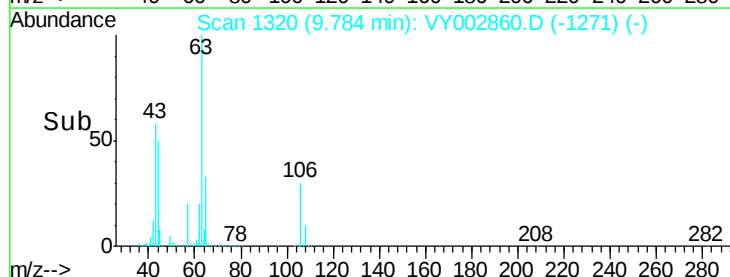
150000

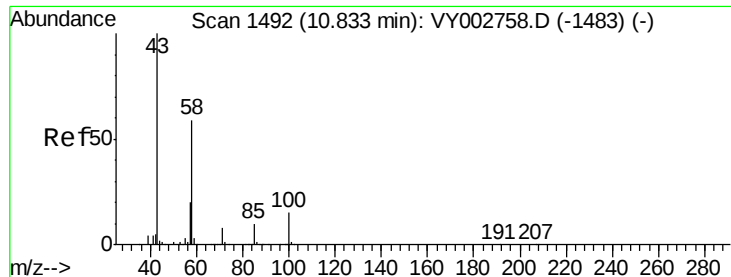
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50000

0

Time-->





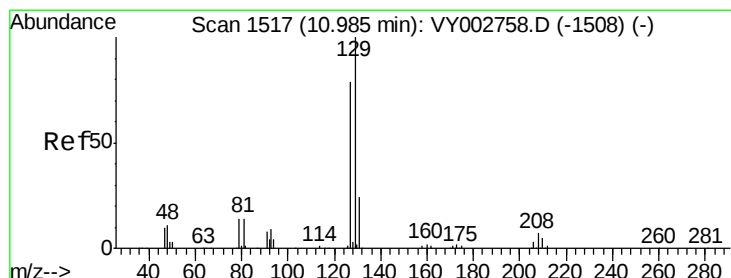
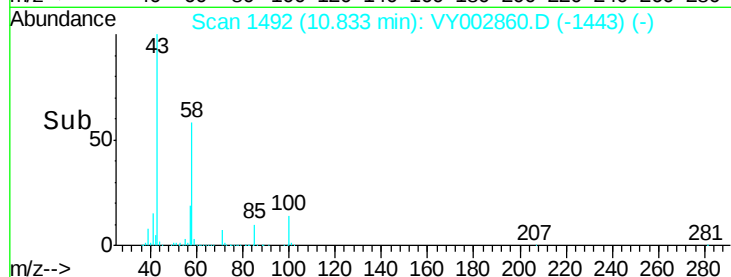
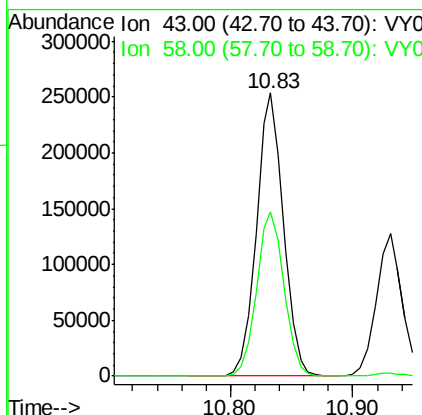
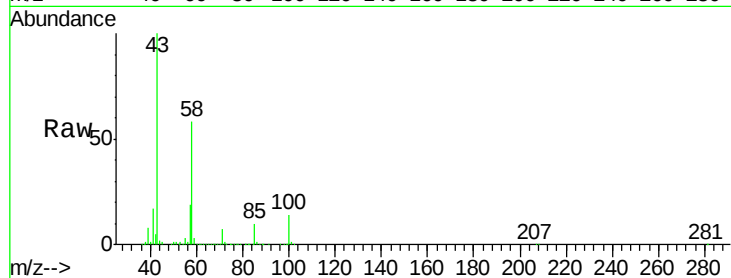
#59
2-Hexanone
Concen: 244.551 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.1	29.5	88.5

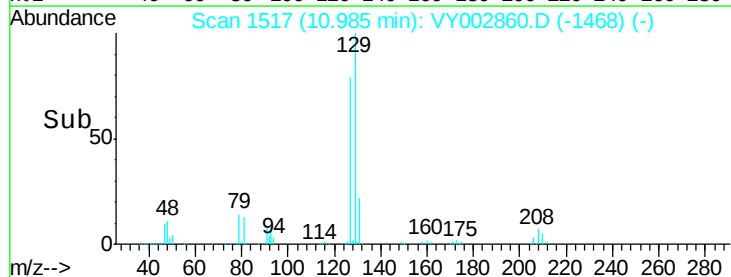
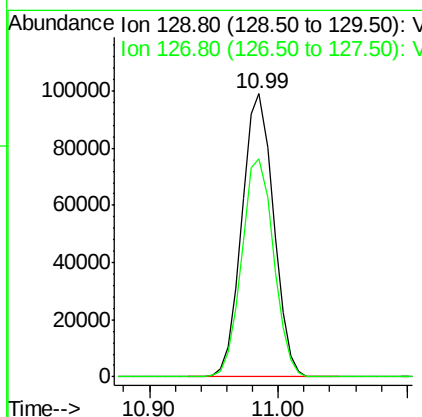
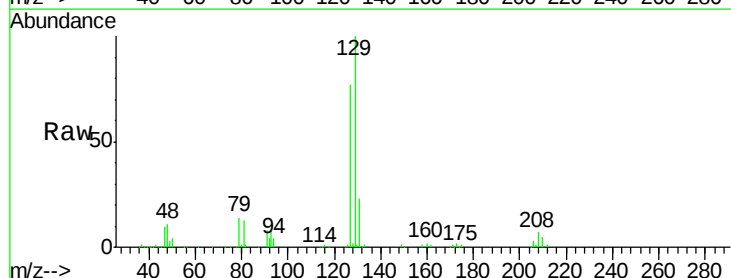
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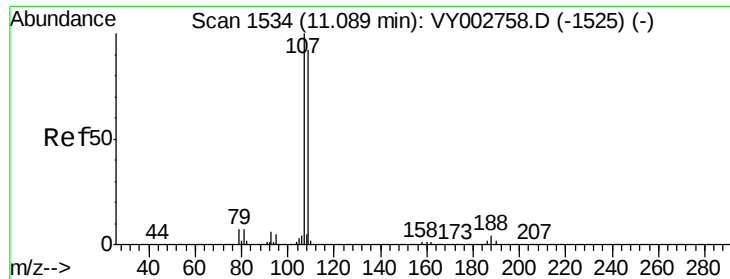
MMDadoda
6/8/2020 11:28:10 AM



#60
Dibromochloromethane
Concen: 50.240 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





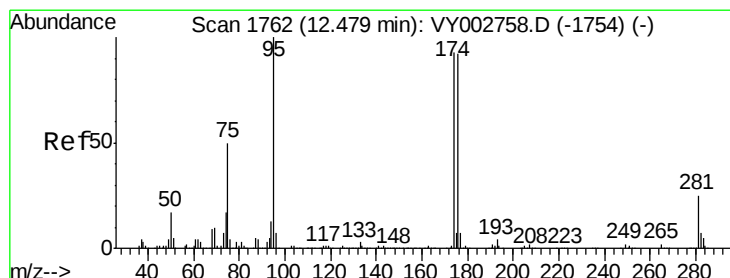
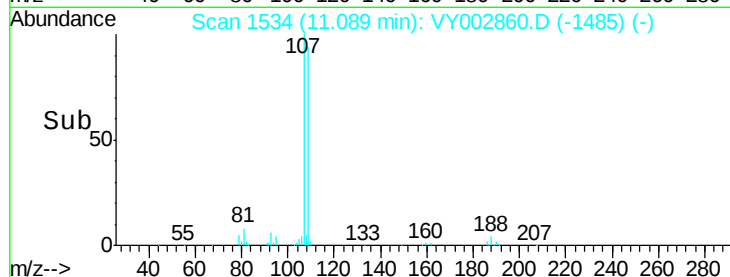
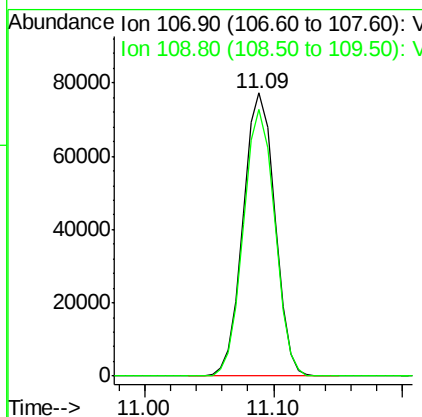
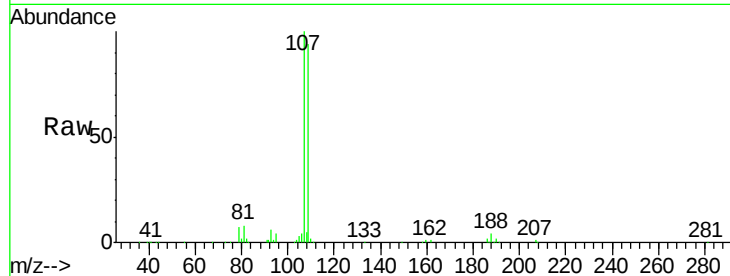
#61
 1,2-Dibromoethane
 Concen: 50.237 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.6	113.4

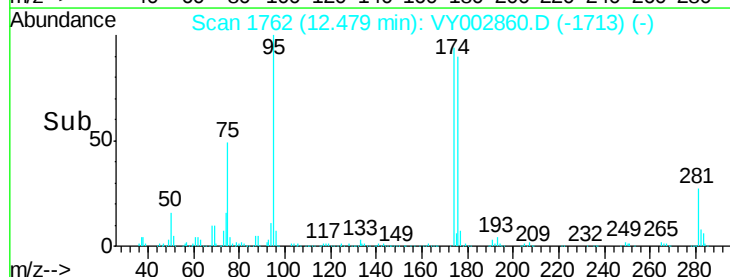
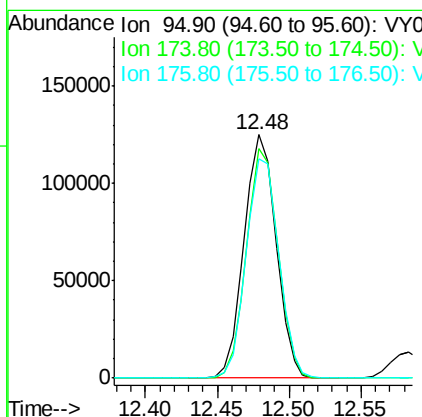
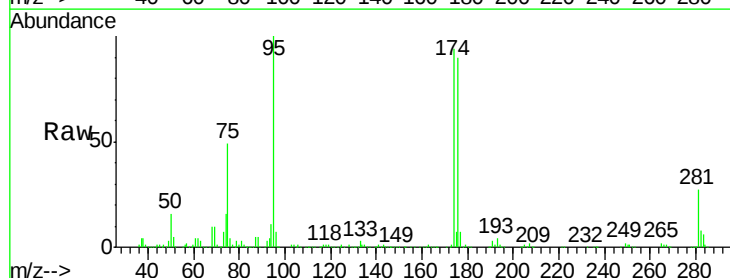
Manual Integrations
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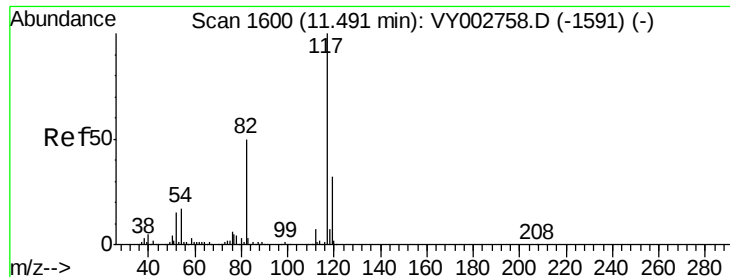
MMDadoda
 6/8/2020 11:28:10 AM



#62
 4-Bromofluorobenzene
 Concen: 48.883 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	191.2
176	91.6	0.0	188.8





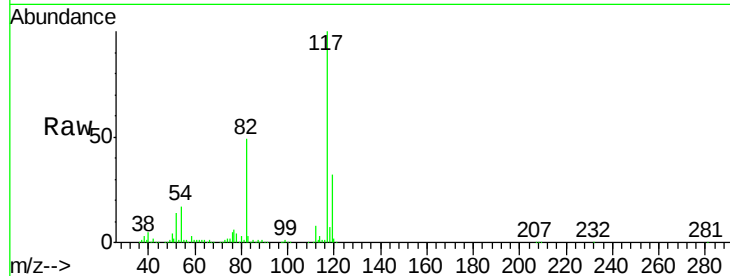
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

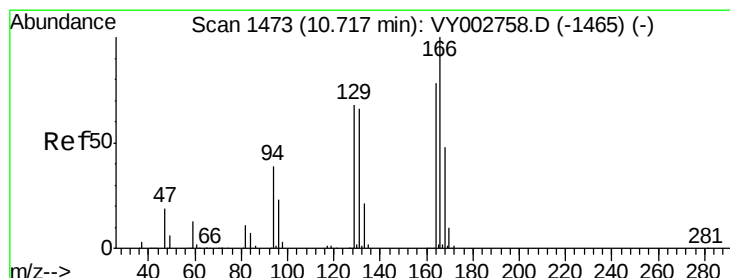
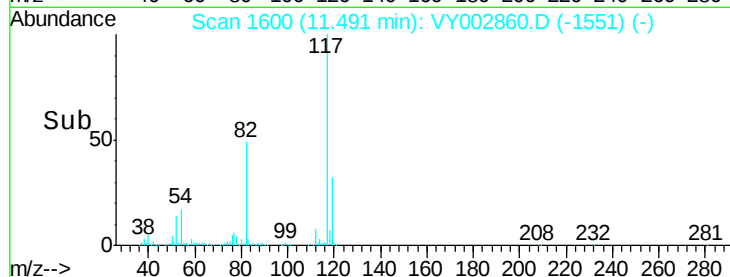
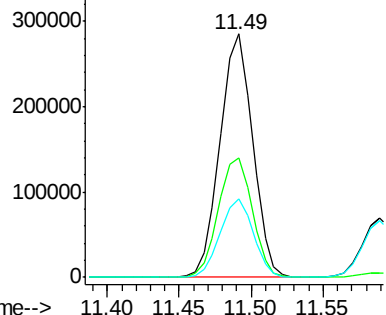
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	40.2	60.4
119	32.2	25.8	38.8

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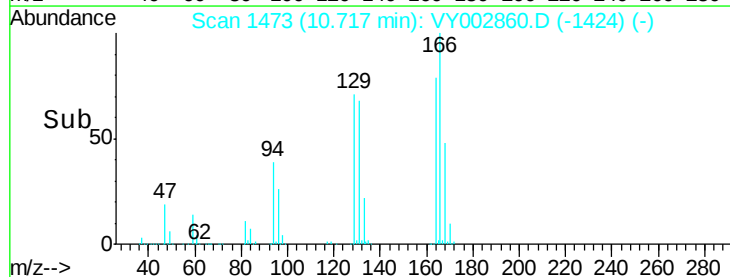
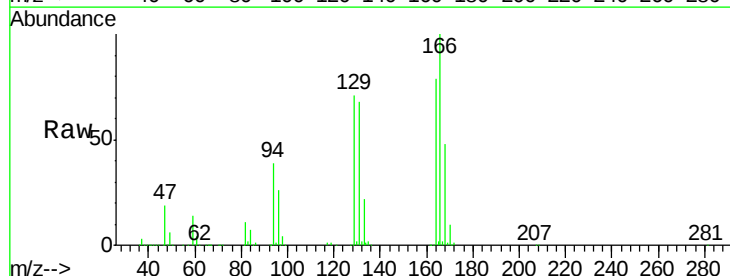
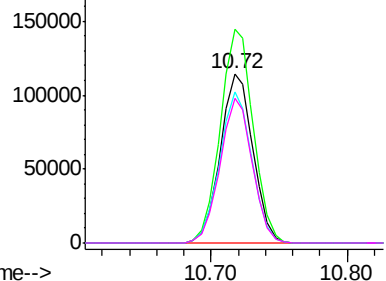
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

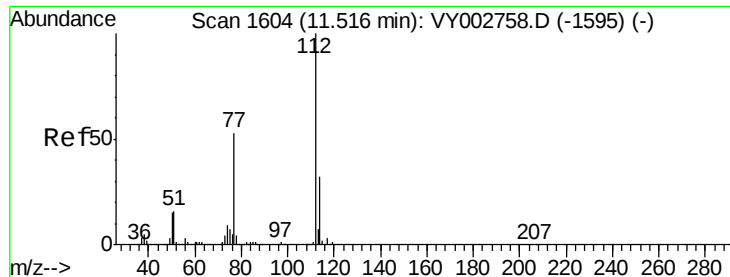


#64
Tetrachloroethene
Concen: 47.213 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.3	153.5
129	89.4	69.4	104.2
131	85.6	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





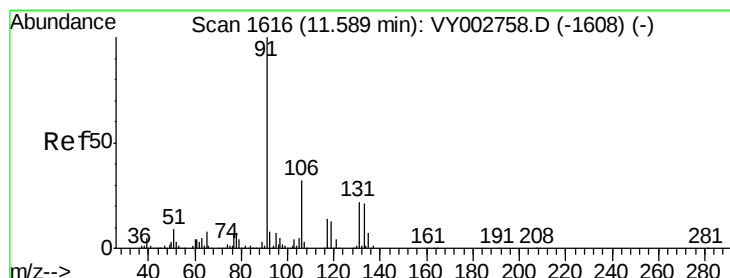
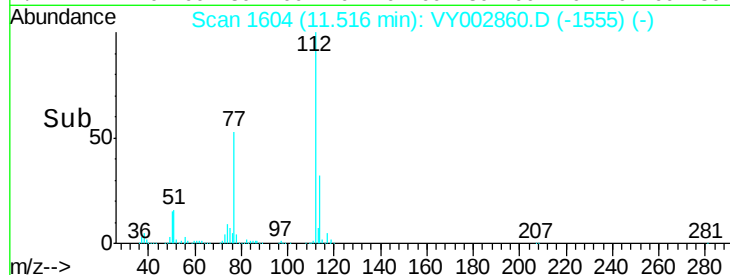
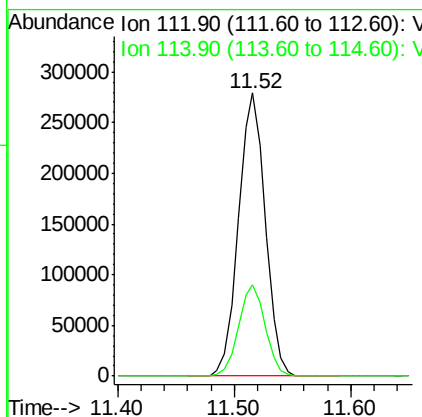
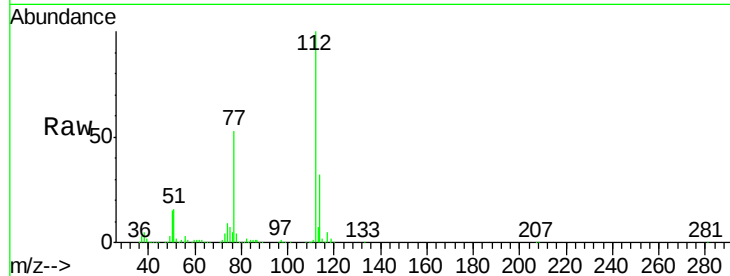
#65
Chlorobenzene
Concen: 50.457 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 447087
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

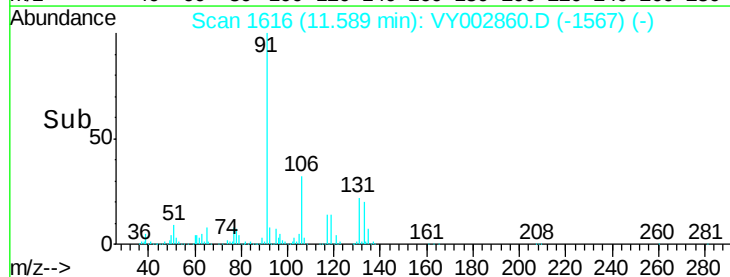
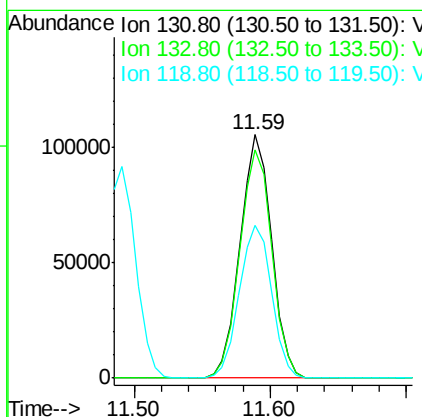
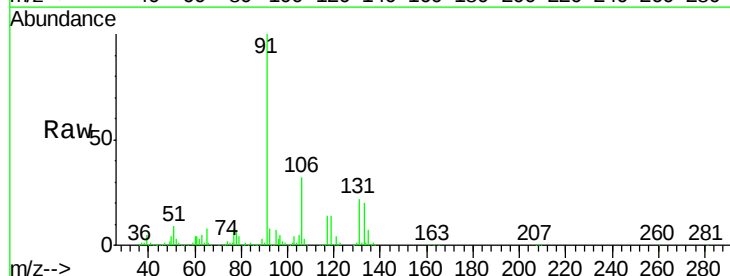
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.159 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion:131 Resp: 170728
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.8
119 64.5 31.7 95.1





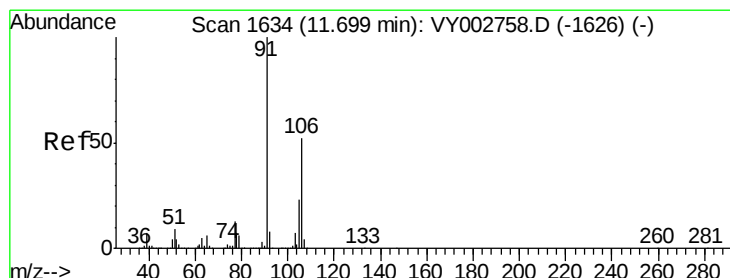
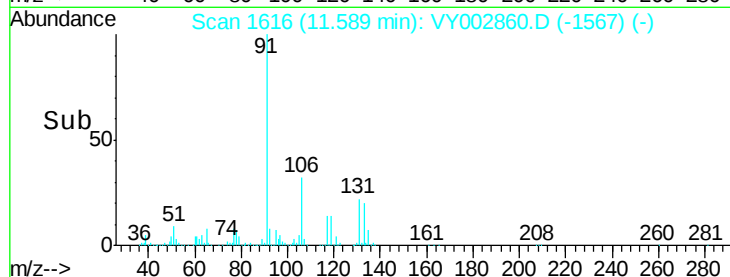
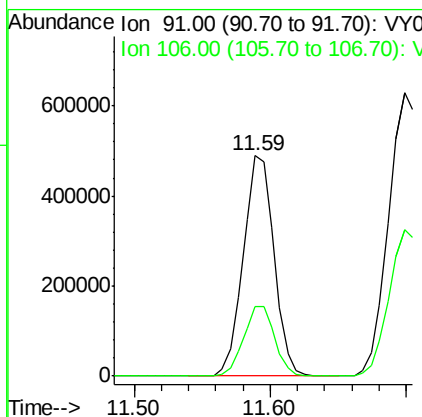
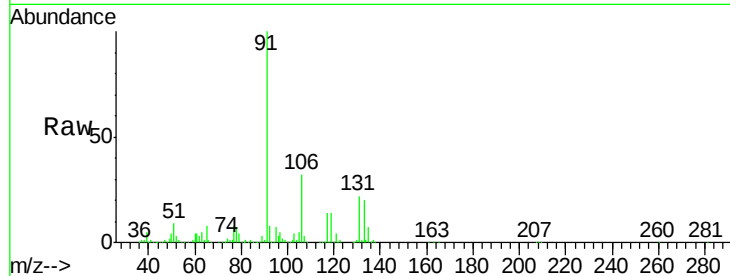
#67
Ethyl Benzene
Concen: 50.284 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 772434
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

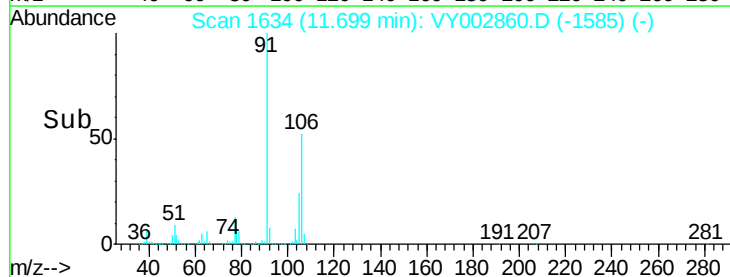
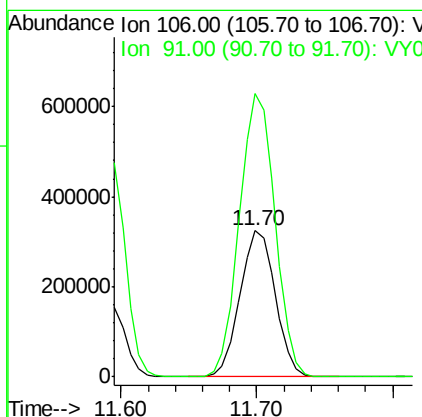
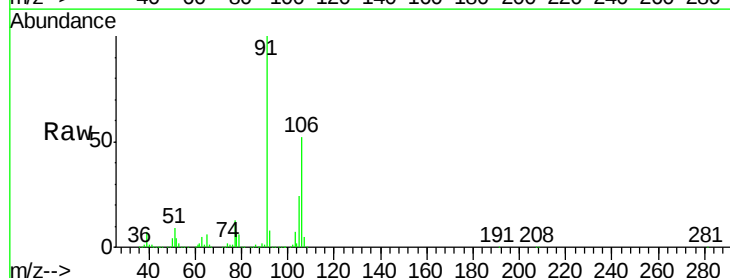
Manual Integrations
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6/8/2020 11:28:10 AM



#68
m/p-Xylenes
Concen: 98.902 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion: 106 Resp: 589050
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0





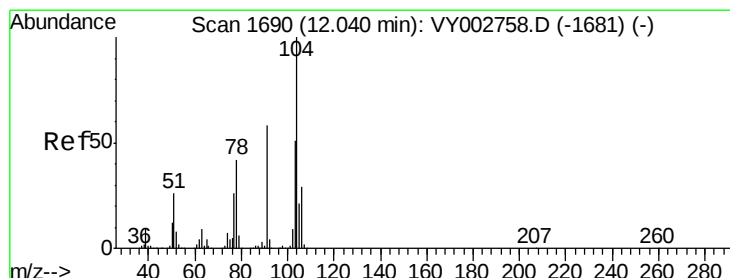
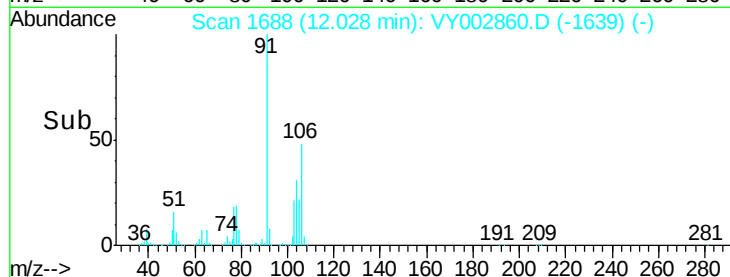
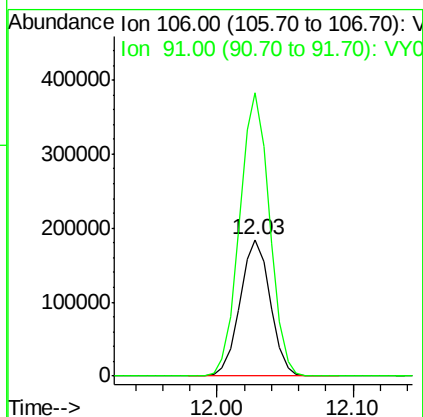
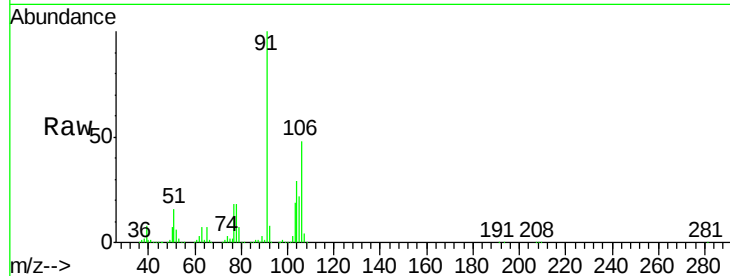
#69
o-Xylene
Concen: 50.661 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 284848
Ion Ratio Lower Upper
106 100
91 206.2 102.4 307.1

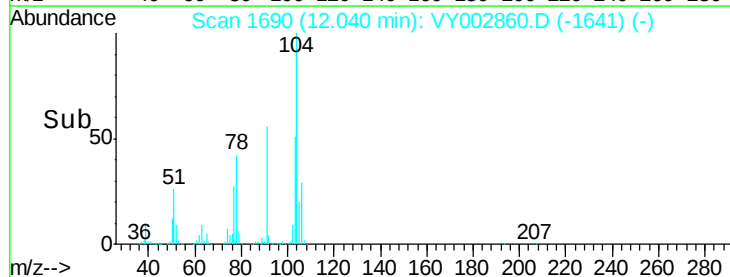
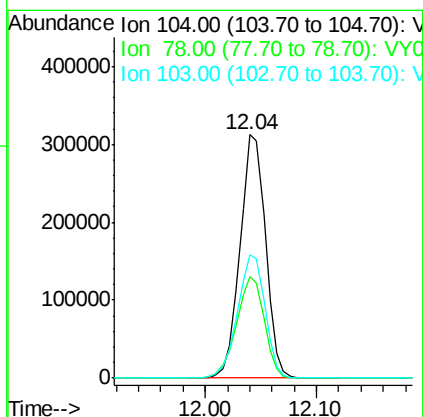
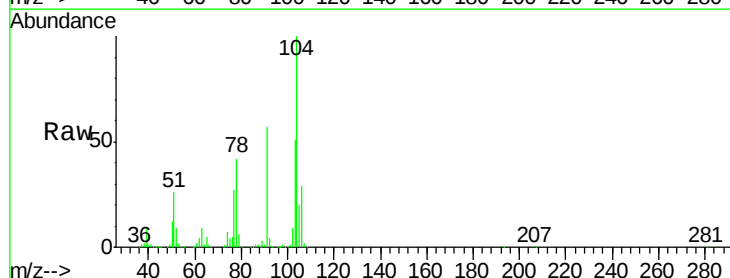
Manual Integrations
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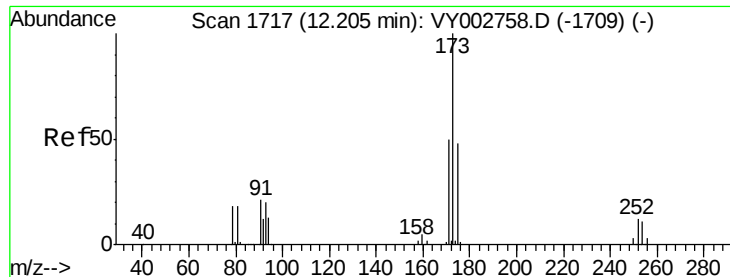
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#70
Styrene
Concen: 50.944 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion:104 Resp: 496545
Ion Ratio Lower Upper
104 100
78 45.4 36.2 54.4
103 54.4 43.6 65.4





#71

Bromoform

Concen: 49.703 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 110987

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

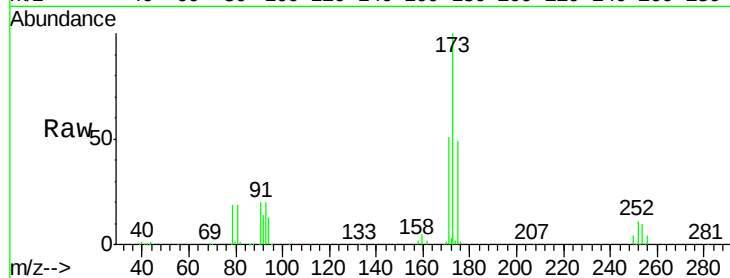
254 0.1 0.1 0.1

Manual Integrations

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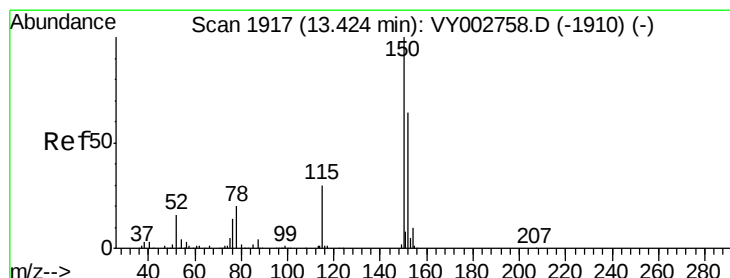
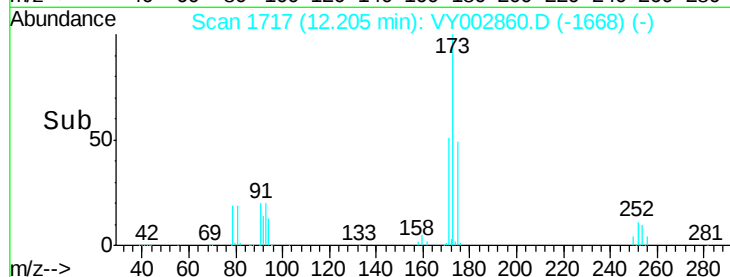
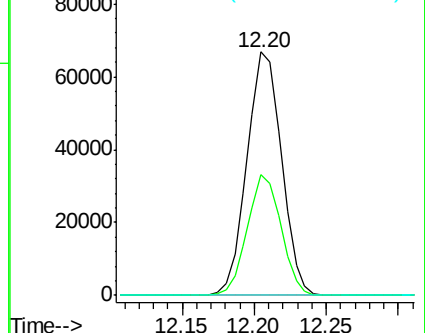
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

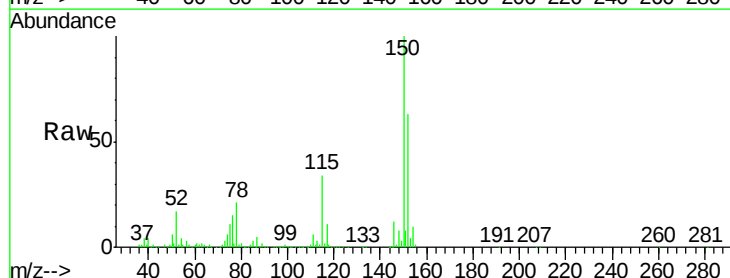
Tgt Ion:152 Resp: 232972

Ion Ratio Lower Upper

152 100

115 54.4 27.0 81.0

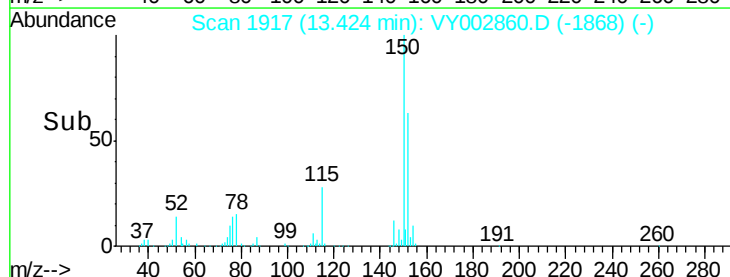
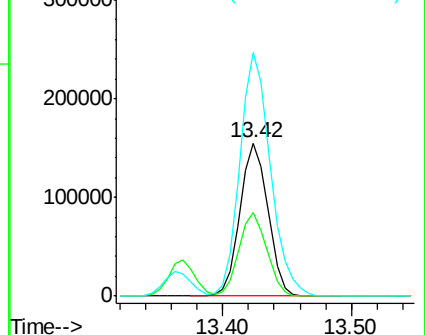
150 173.2 0.0 344.8

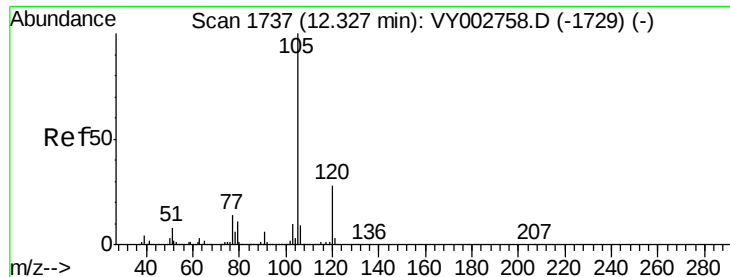


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





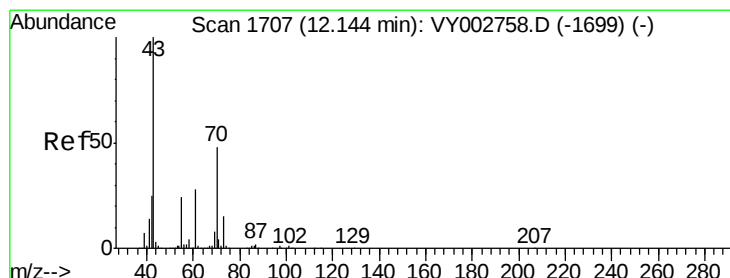
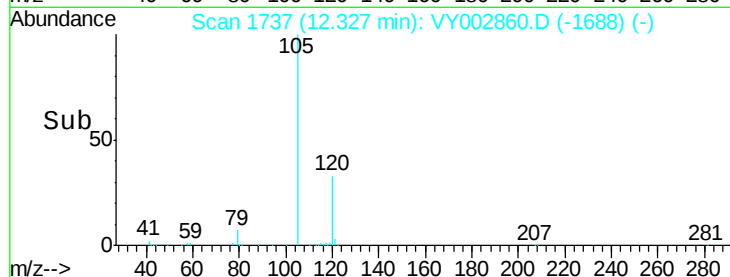
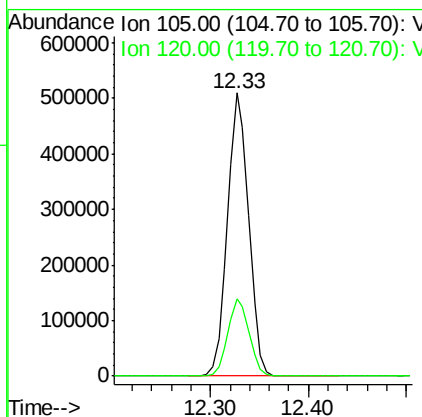
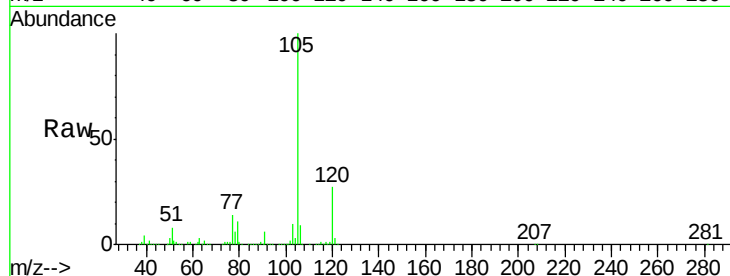
#73
Isopropylbenzene
Concen: 51.074 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.7	41.1

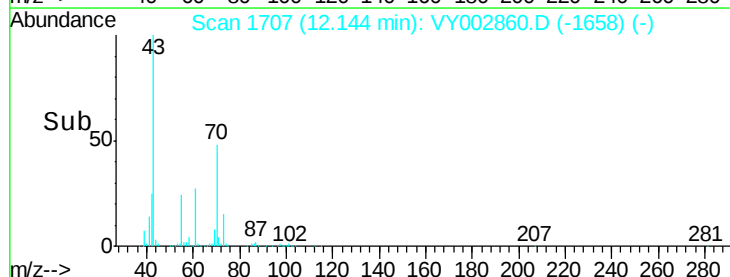
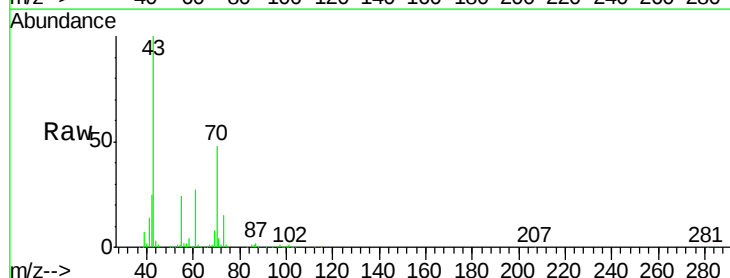
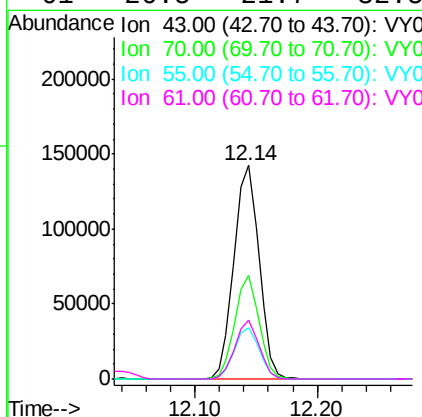
Manual Integrations
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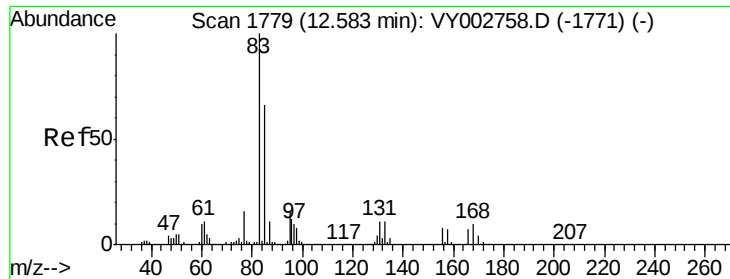
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#74
N-ethyl acetate
Concen: 52.803 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.6	37.7	56.5
55	24.1	19.8	29.6
61	26.5	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.787 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 140896

Ion Ratio Lower Upper

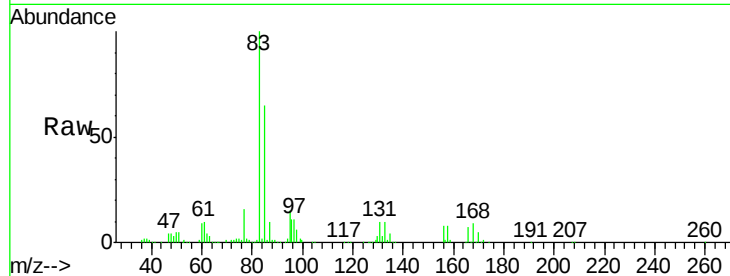
83 100

131 11.0 5.8 17.4

85 64.4 32.6 98.0

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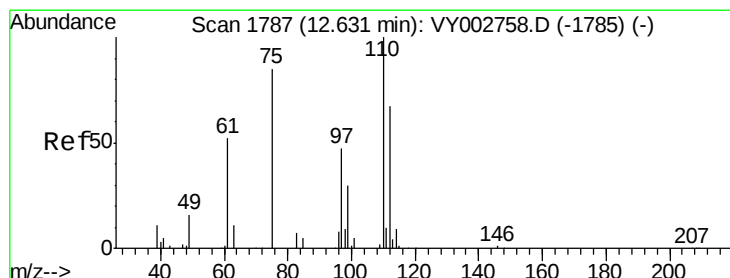
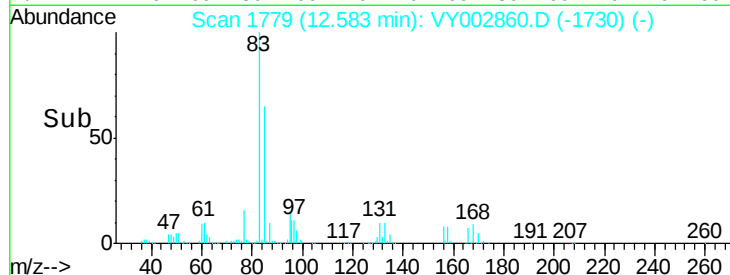
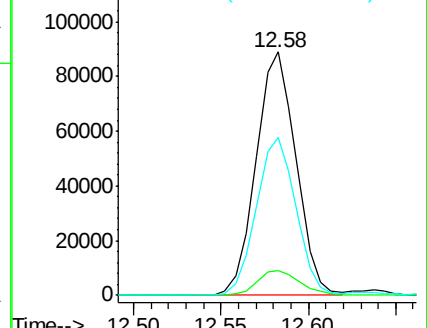
MMDadoda
6/8/2020 11:28:10 AM



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: 50.614 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY002860.D

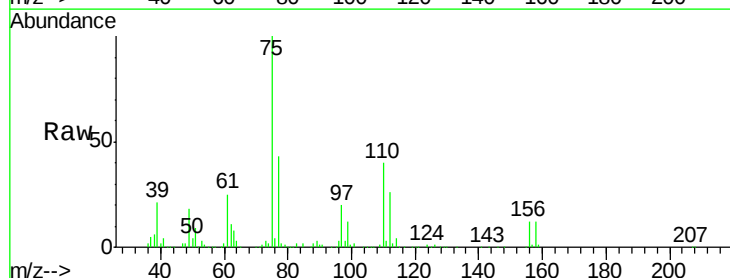
Acq: 05 Jun 2020 20:34

Tgt Ion: 75 Resp: 106250

Ion Ratio Lower Upper

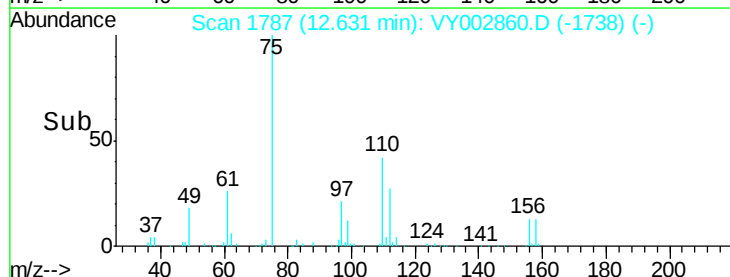
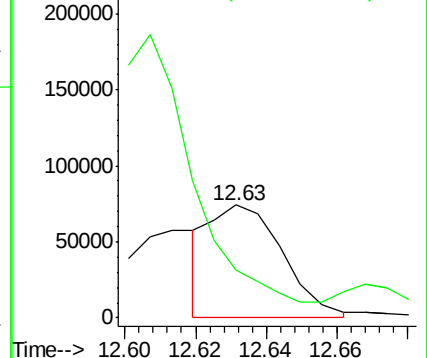
75 100

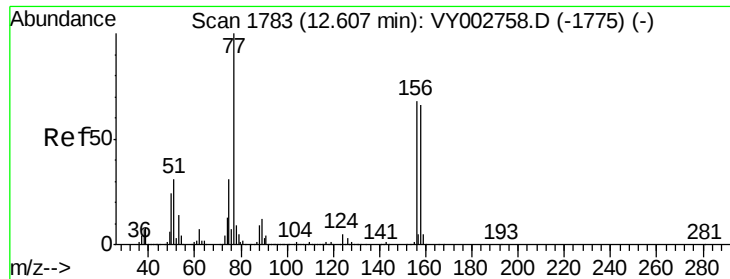
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 51.030 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

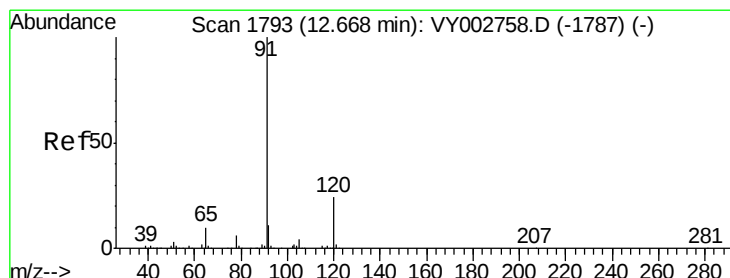
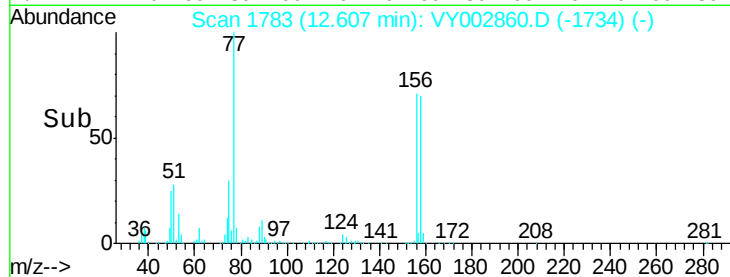
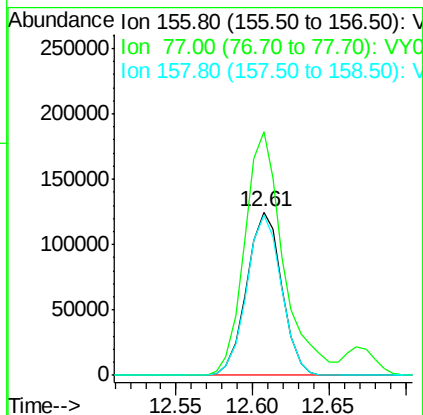
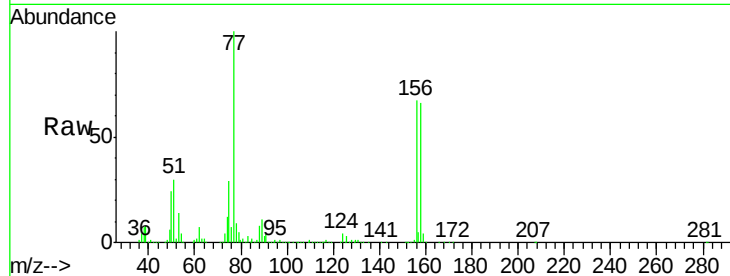
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	198379
Ion Ratio	Lower	Upper	
156	100		
77	166.4	81.4	244.2
158	97.4	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.181 ug/l

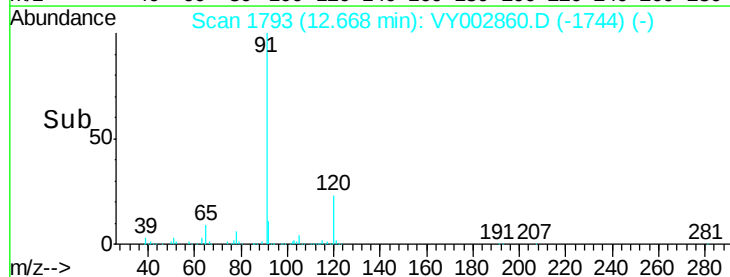
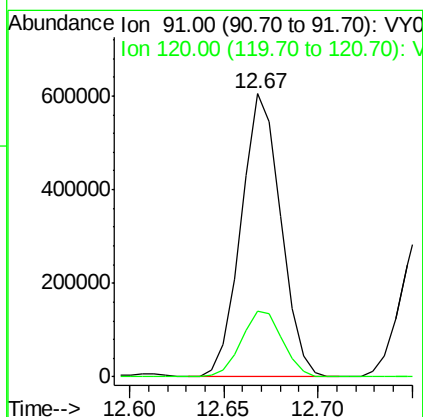
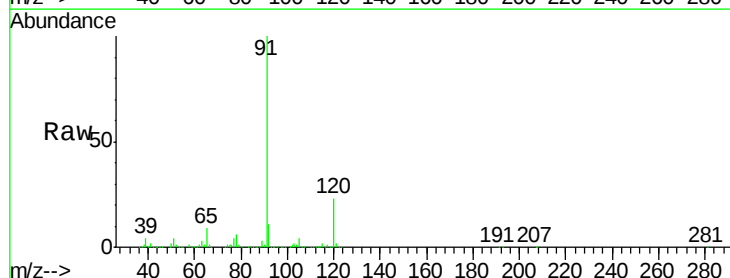
RT: 12.67 min Scan# 1793

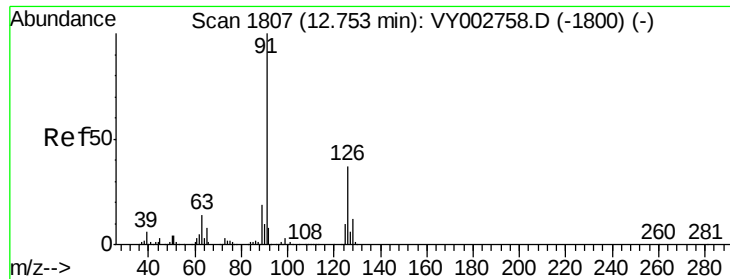
Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion:	91	Resp:	882651
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.322 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 496482

Ion Ratio Lower Upper

91 100

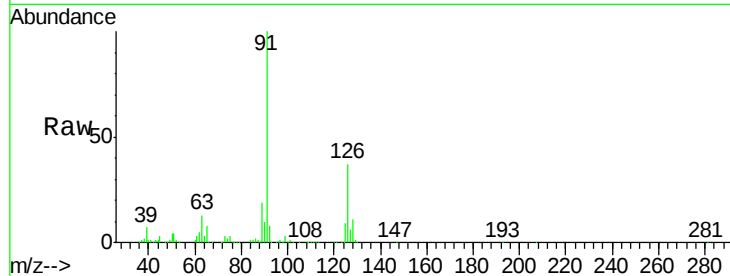
126 36.7 18.4 55.4

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

Ion 125.90 (125.60 to 126.60): VY002758.D (-1800) (-)

600000

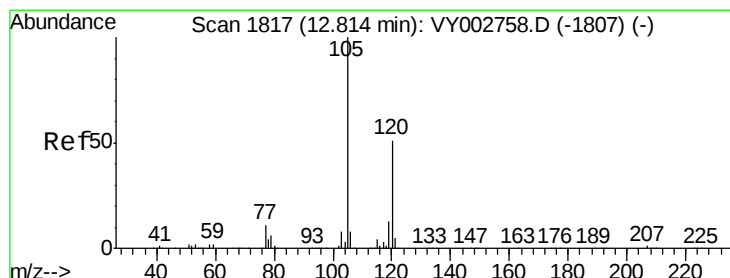
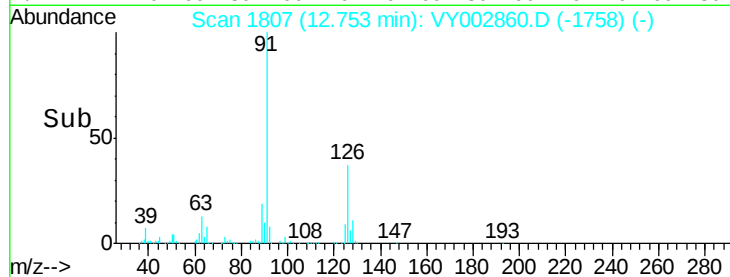
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.092 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002860.D

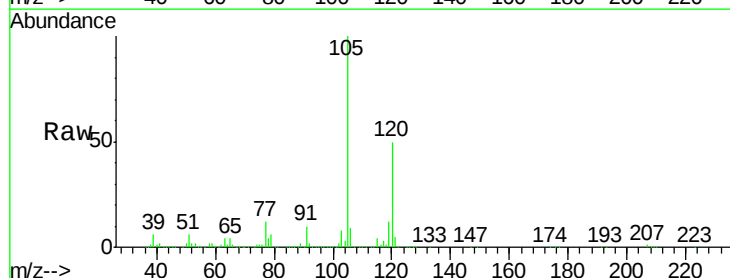
Acq: 05 Jun 2020 20:34

Tgt Ion: 105 Resp: 636906

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.8



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

Ion 120.00 (119.70 to 120.70): VY002758.D (-1807) (-)

500000

400000

300000

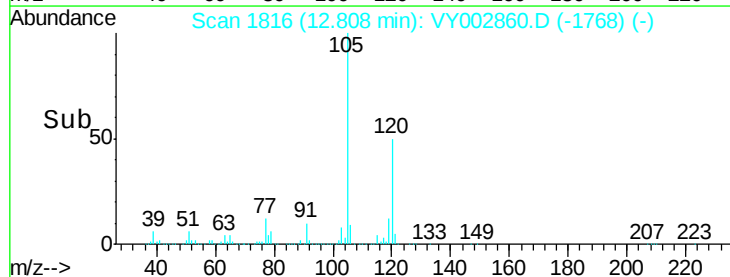
200000

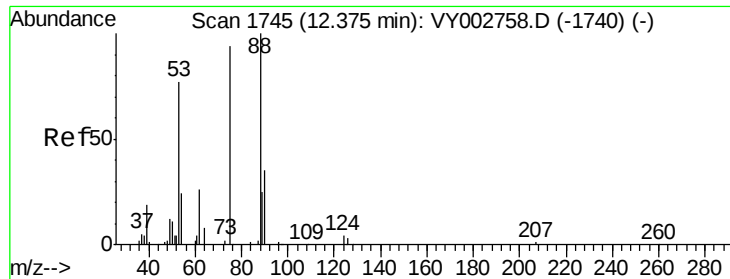
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.126 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

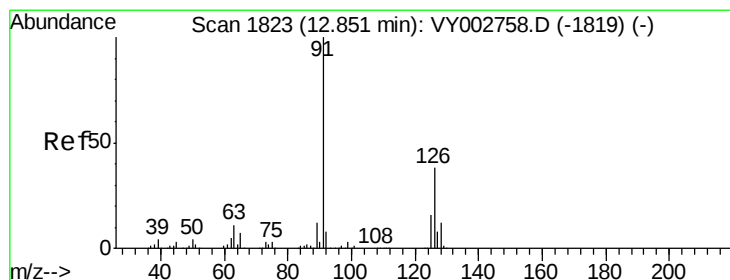
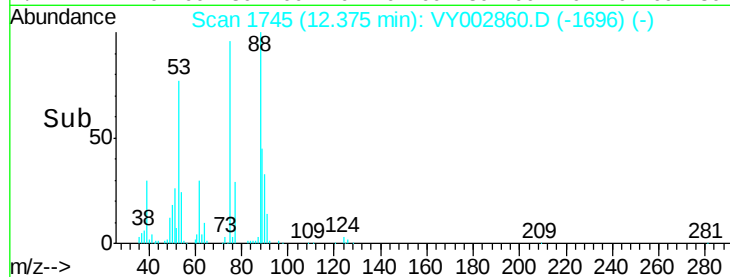
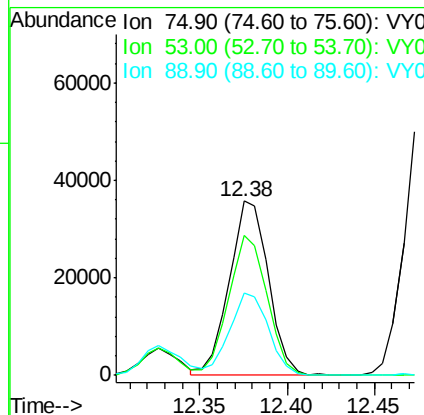
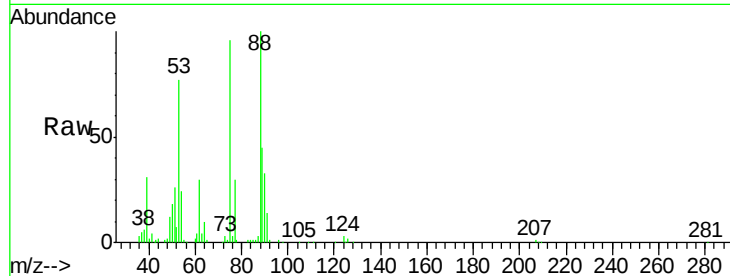
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54738
Ion	Ratio	Lower	Upper
75	100		
53	80.2	64.0	96.0
89	47.6	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.015 ug/l

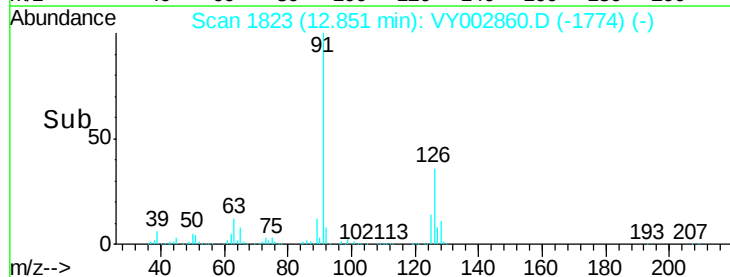
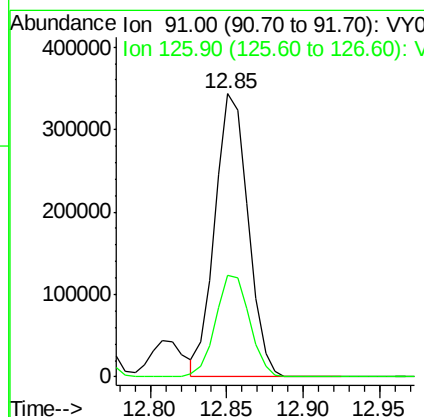
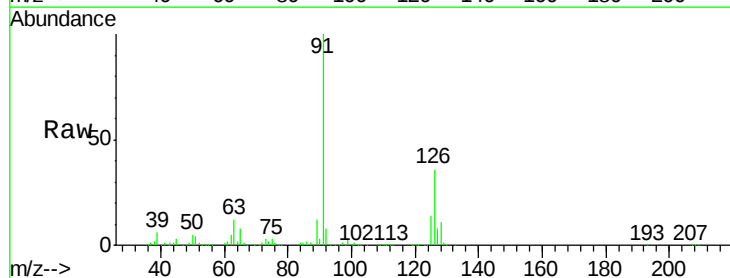
RT: 12.85 min Scan# 1823

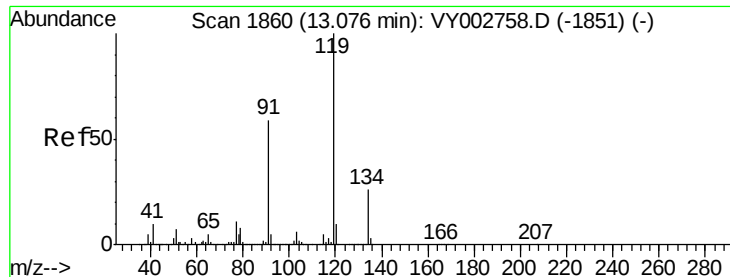
Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Tgt Ion:	91	Resp:	517059
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5





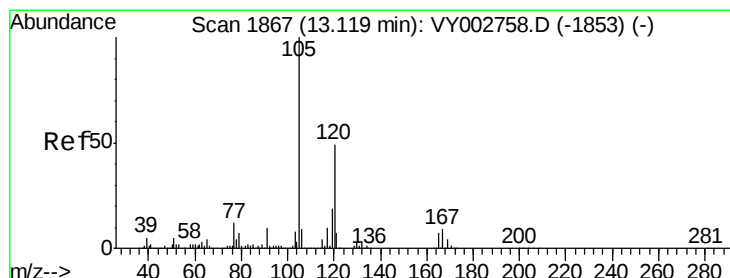
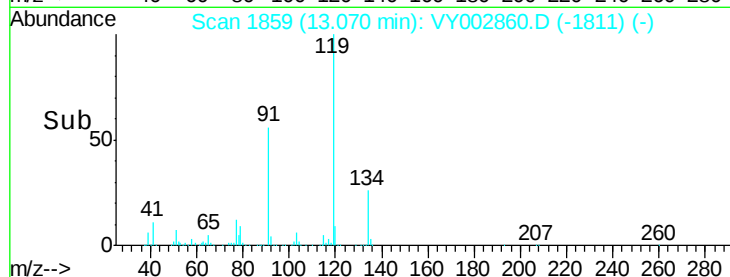
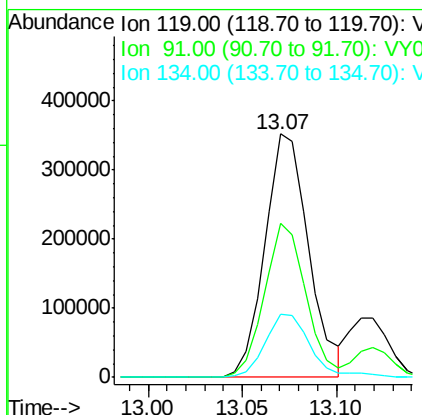
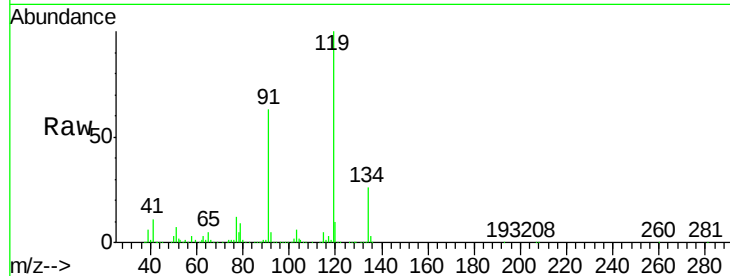
#83
tert-Butylbenzene
Concen: 51.130 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.8	89.4
134	27.0	13.3	39.8

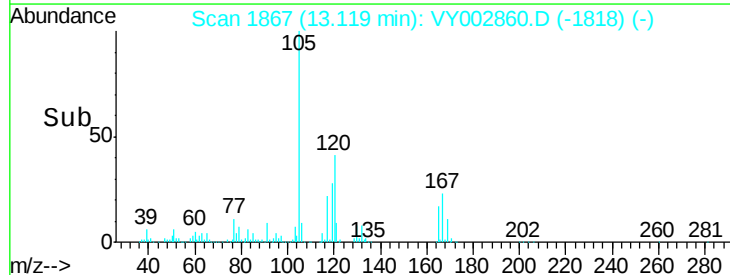
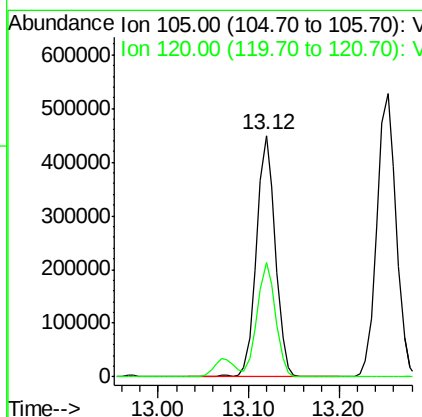
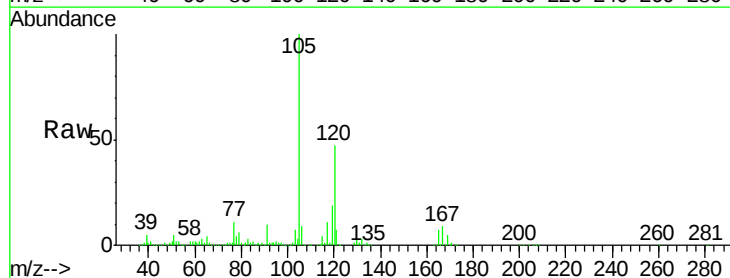
Manual Integrations
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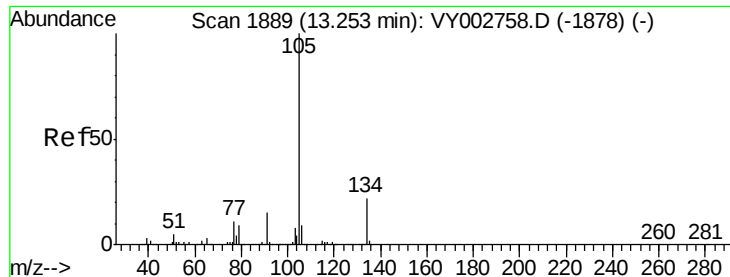
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#84
1,2,4-Trimethylbenzene
Concen: 51.375 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.6	70.8





#85

sec-Butylbenzene

Concen: 50.831 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 772830

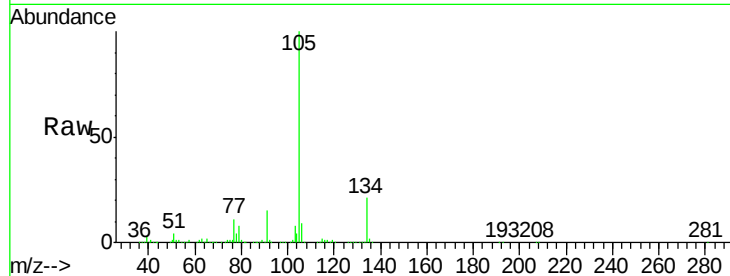
Ion Ratio Lower Upper

105 100

134 21.4 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

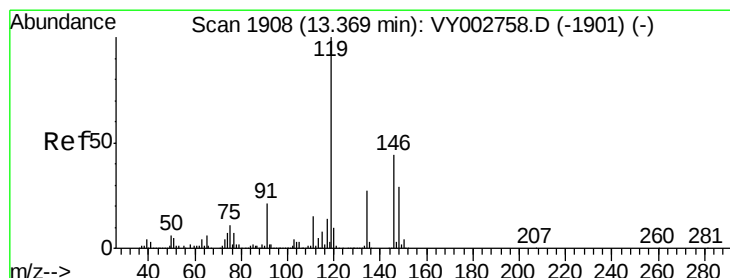
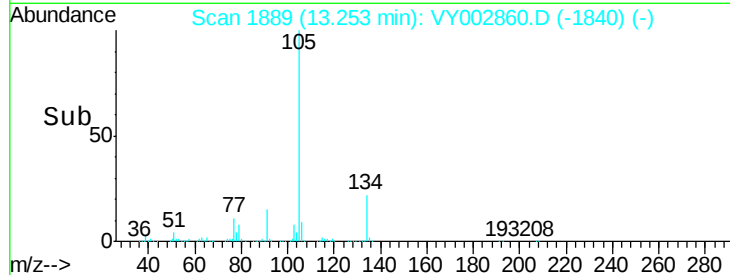
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.748 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002860.D

Acq: 05 Jun 2020 20:34

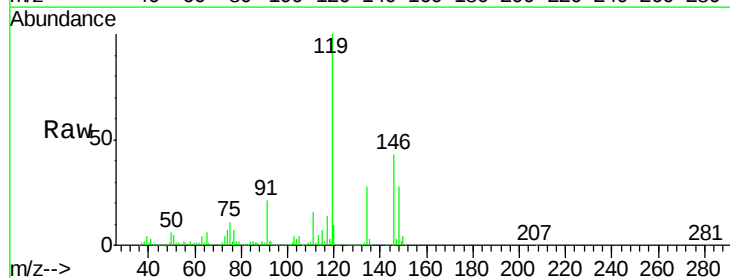
Tgt Ion:119 Resp: 717946

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 21.3 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

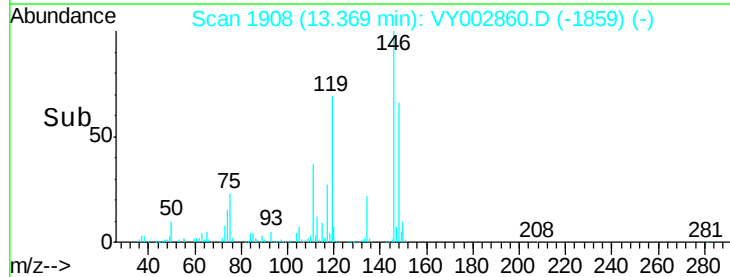
600000

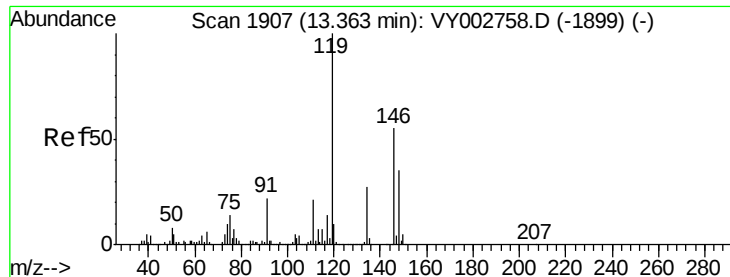
400000

200000

0

Time-->





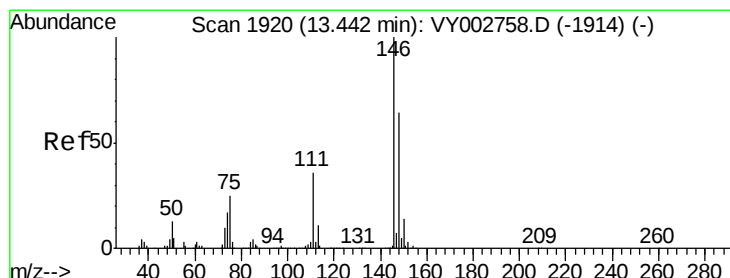
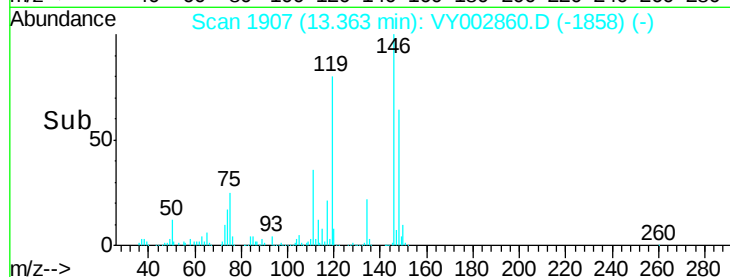
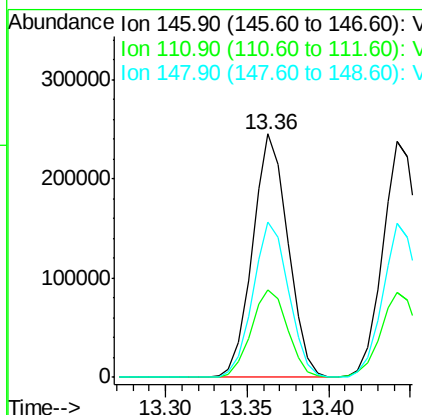
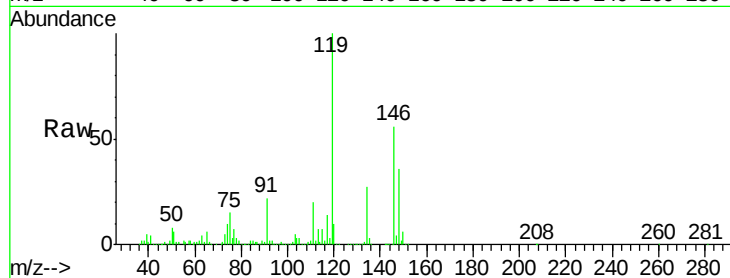
#87
 1,3-Dichlorobenzene
 Concen: 50.280 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.1	31.9	95.7

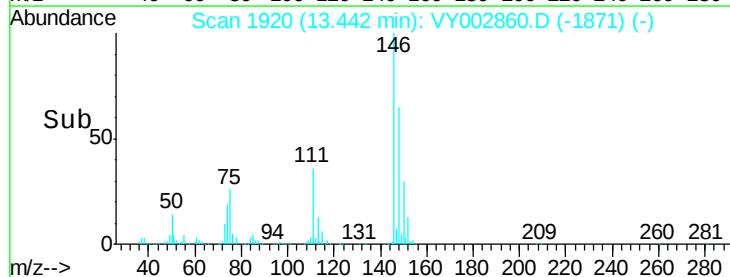
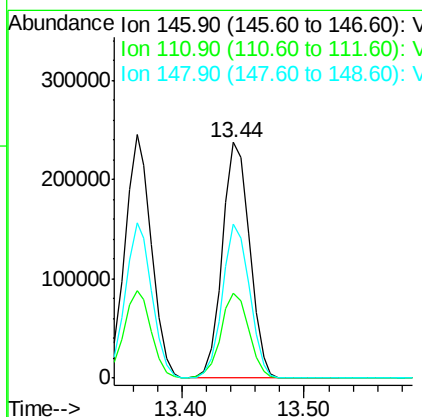
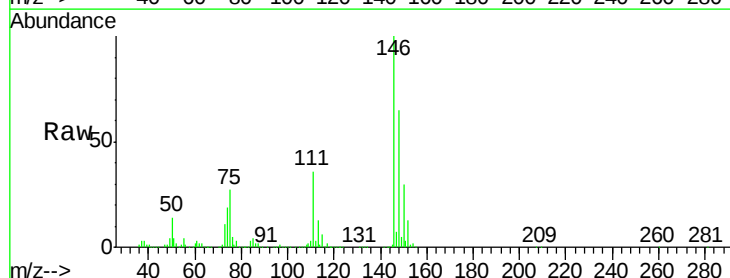
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#88
 1,4-Dichlorobenzene
 Concen: 49.851 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.3
148	64.7	32.1	96.3





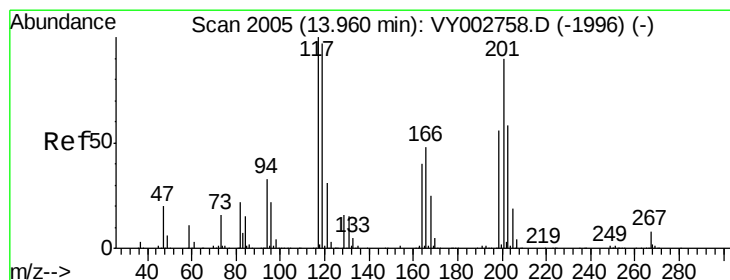
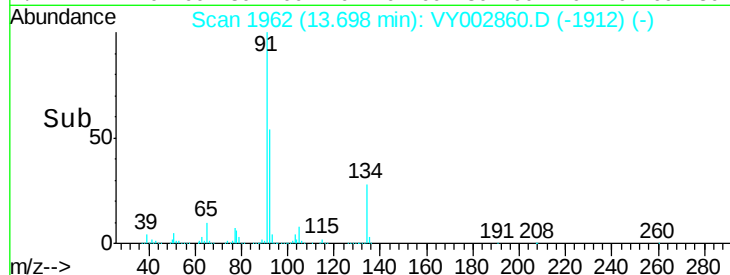
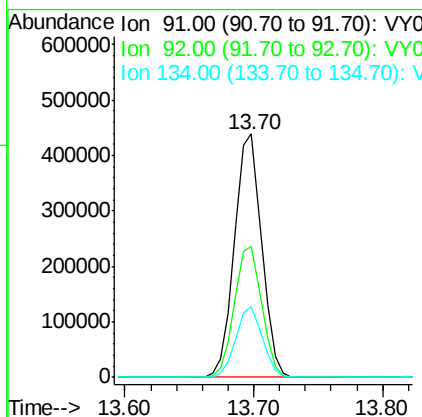
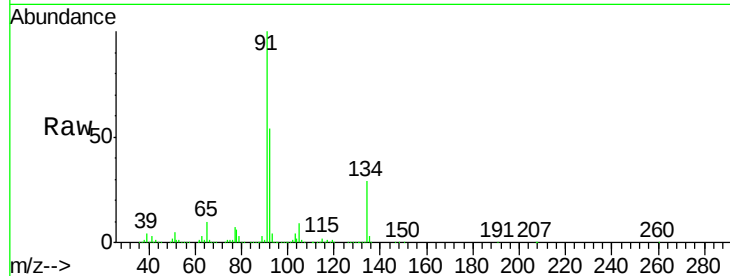
#89
n-Butylbenzene
Concen: 50.257 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.2
134	28.4	14.3	42.9

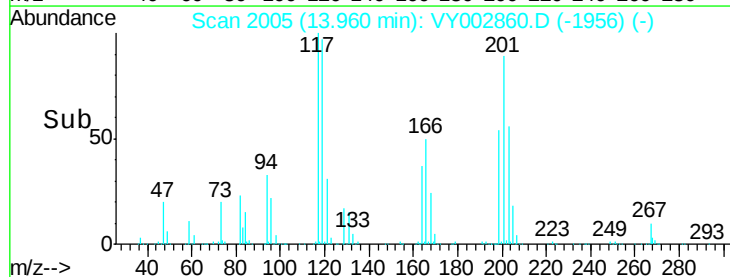
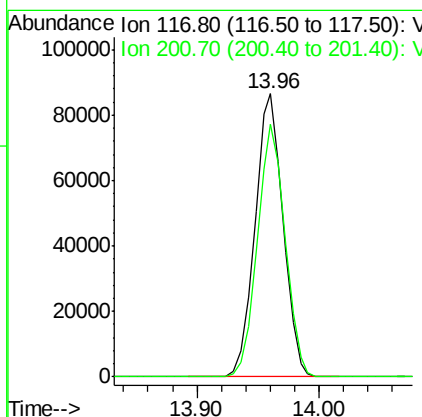
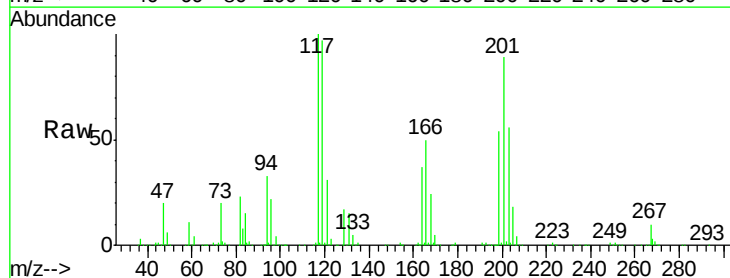
Manual Integrations
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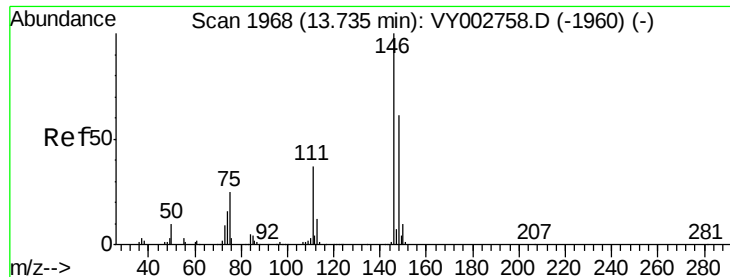
MMDadoda
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#90
Hexachloroethane
Concen: 52.199 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	43.9	131.6





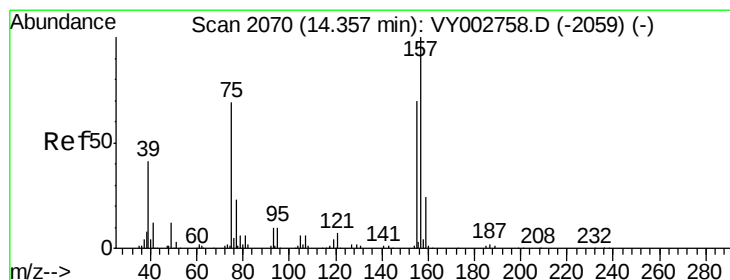
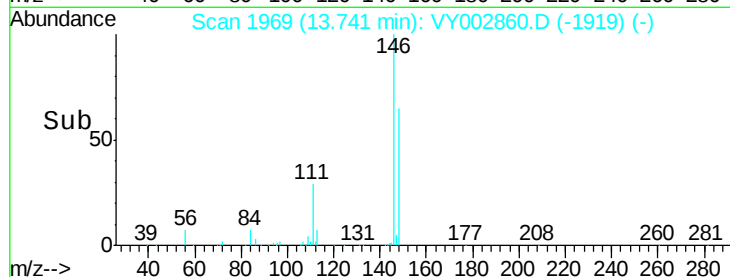
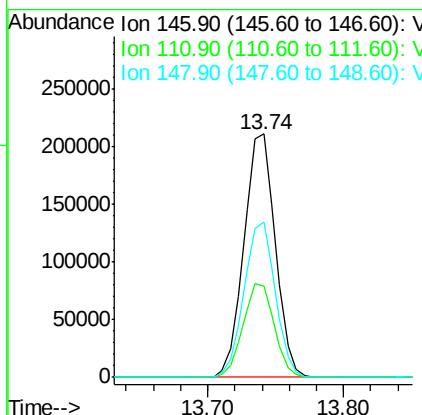
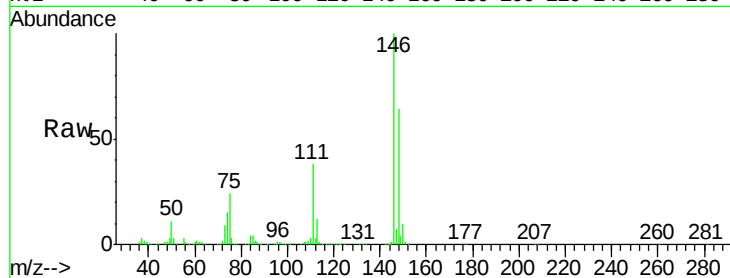
#91
 1,2-Dichlorobenzene
 Concen: 51.055 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	63.8	31.9	95.5

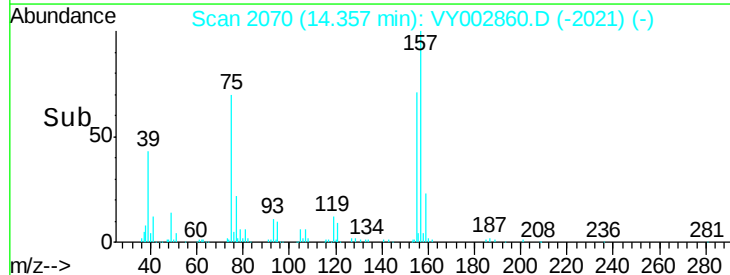
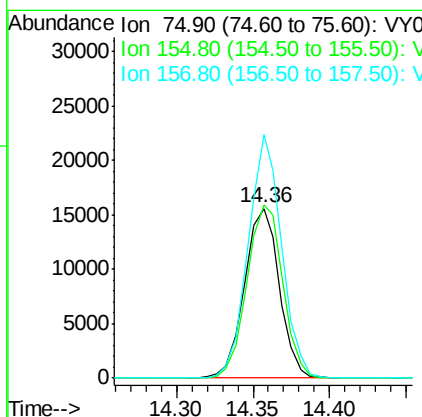
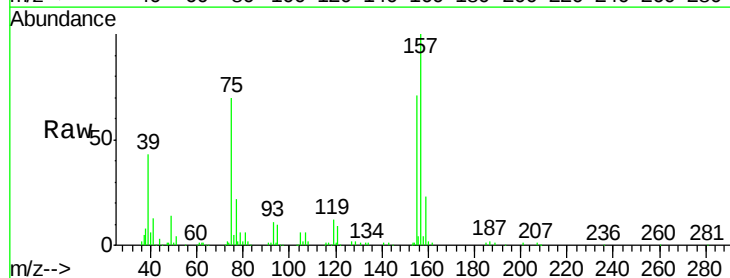
Manual Integrations
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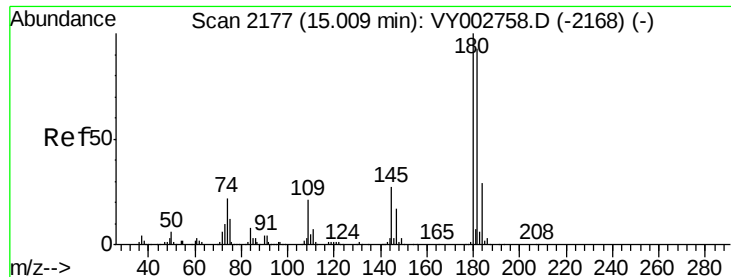
MMDadoda
 6/8/2020 11:28:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.919 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	53.5	160.5
157	137.8	69.9	209.7





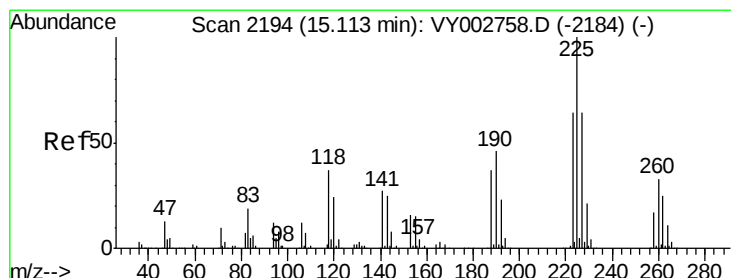
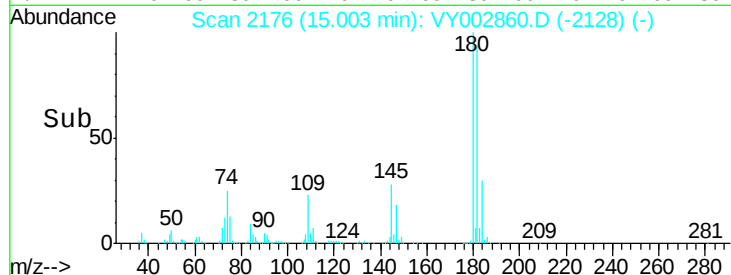
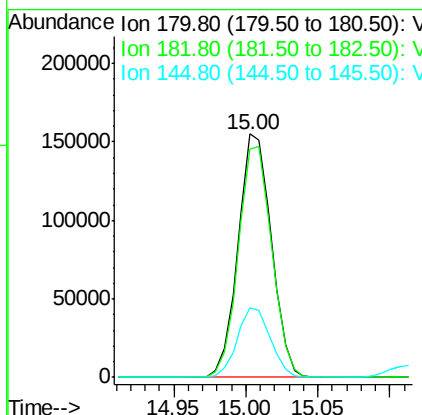
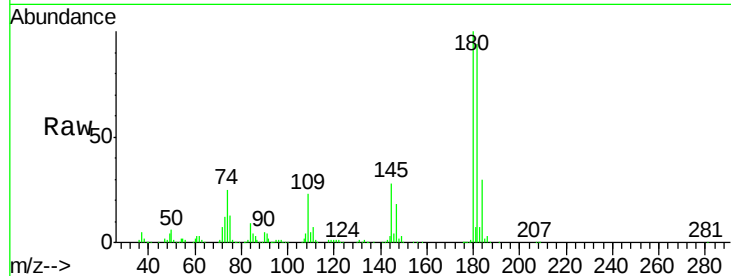
#93
 1,2,4-Trichlorobenzene
 Concen: 49.287 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248096		
182	95.3	47.3	141.9	
145	28.4	14.1	42.3	

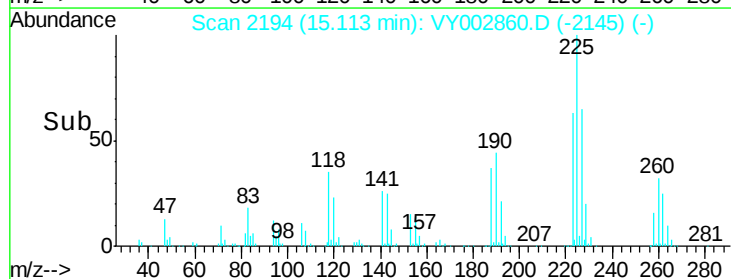
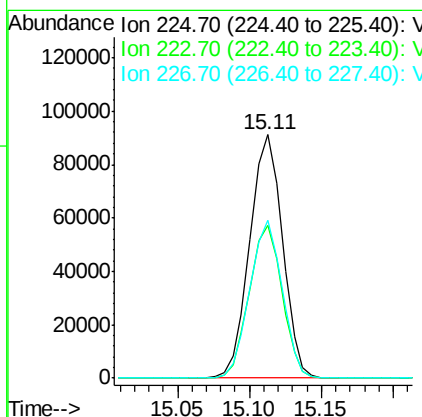
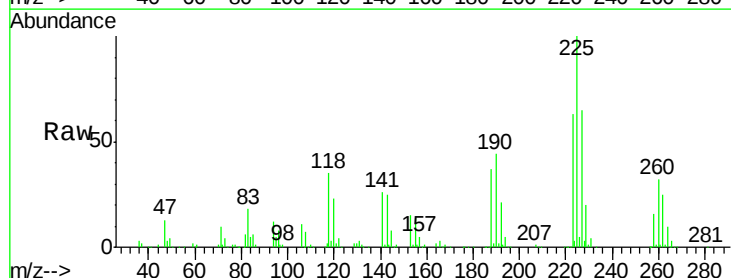
Manual Integrations
 APPROVED

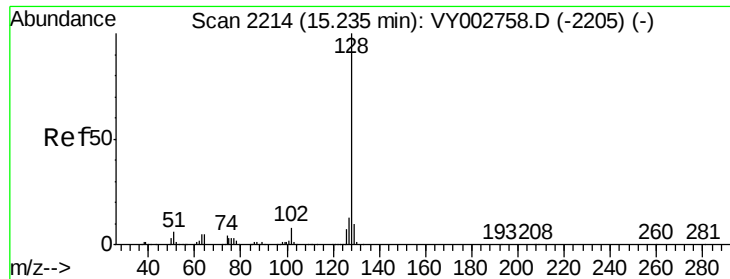
MMDadoda
 6/8/2020 11:28:10 AM



#94
 Hexachlorobutadiene
 Concen: 50.133 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002860.D
 Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143130		
223	63.1	31.6	95.0	
227	64.3	32.3	96.9	





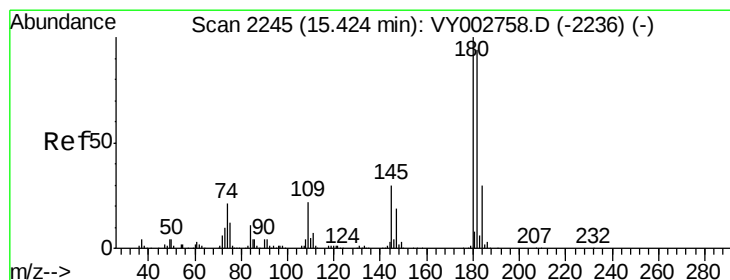
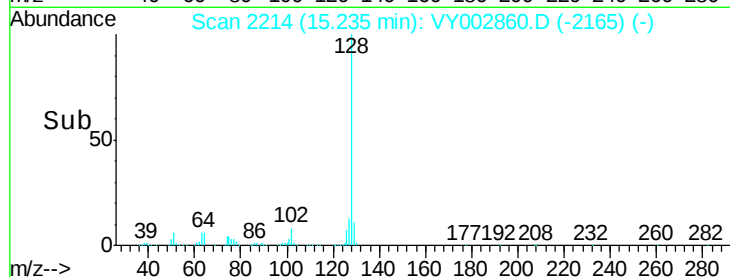
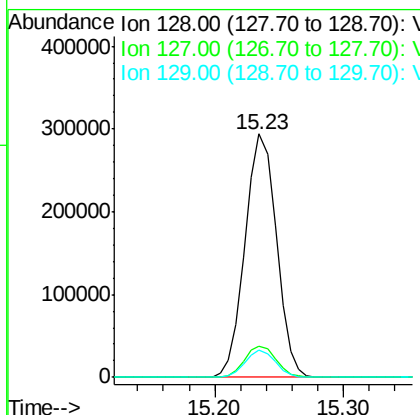
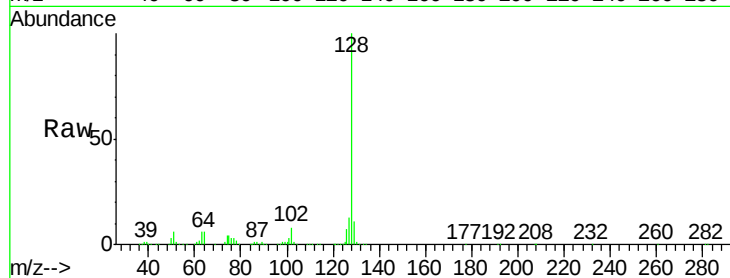
#95
Naphthalene
Concen: 49.084 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/8/2020 11:28:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.690 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002860.D
Acq: 05 Jun 2020 20:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	29.7	15.1	45.3

