

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002253.D
 Acq On : 08 Apr 2020 16:34
 Operator : SY/MD
 Sample : VY0408SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:32:11 AM

Quant Time: Apr 09 02:08:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	158421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	287272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	256343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	120713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	90943	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.73	113	88101	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.18	98	374680	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.48	95	125910	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32259	20.148	ug/l	95
3) Chloromethane	2.12	50	41425	20.558	ug/l	97
4) Vinyl Chloride	2.26	62	44173	20.595	ug/l	96
5) Bromomethane	2.65	94	27902	21.066	ug/l	98
6) Chloroethane	2.79	64	26032	21.045	ug/l	97
7) Trichlorofluoromethane	3.13	101	56838	20.520	ug/l	94
8) Diethyl Ether	3.54	74	25803	21.913	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	39037	20.748	ug/l	98
10) Methyl Iodide	4.10	142	43002	19.662	ug/l	100
11) Tert butyl alcohol	4.96	59	23458	105.660	ug/l	99
12) 1,1-Dichloroethene	3.88	96	39575	20.689	ug/l	98
13) Acrolein	3.74	56	22502	99.060	ug/l	98
14) Allyl chloride	4.49	41	65045	21.057	ug/l	99
15) Acrylonitrile	5.18	53	62829	104.338	ug/l	99
16) Acetone	3.96	43	46706	100.656	ug/l	98
17) Carbon Disulfide	4.20	76	131614	20.717	ug/l	99
18) Methyl Acetate	4.49	43	30477	21.175	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	105515	20.982	ug/l	99
20) Methylene Chloride	4.72	84	47385	20.776	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	43772	20.386	ug/l	99
22) Diisopropyl ether	6.13	45	133238	21.433	ug/l	99
23) Vinyl Acetate	6.07	43	417708	105.442	ug/l	99
24) 1,1-Dichloroethane	6.04	63	73691	20.841	ug/l	99
25) 2-Butanone	7.00	43	74575	101.556	ug/l	98
26) 2,2-Dichloropropane	7.00	77	60965	20.612	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48717	20.814	ug/l	99
28) Bromochloromethane	7.35	49	32509	21.299	ug/l	97
29) Tetrahydrofuran	7.36	42	50721	104.492	ug/l	97
30) Chloroform	7.52	83	70260	21.080	ug/l	100
31) Cyclohexane	7.79	56	77361	20.843	ug/l #	90
32) 1,1,1-Trichloroethane	7.71	97	58460	21.072	ug/l	100
36) 1,1-Dichloropropene	7.93	75	60400	21.346	ug/l	99
37) Ethyl Acetate	7.08	43	34035	21.055	ug/l	98
38) Carbon Tetrachloride	7.91	117	50822	20.998	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	79580	20.675	ug/l	97
40) Benzene	8.17	78	180912	21.073	ug/l	98
41) Methacrylonitrile	7.32	41	14474m	15.178	ug/l	
42) 1,2-Dichloroethane	8.25	62	44187	20.778	ug/l	100
43) Isopropyl Acetate	8.28	43	61243	20.774	ug/l	100
44) Trichloroethene	8.94	130	51853	20.544	ug/l	94
45) 1,2-Dichloropropane	9.22	63	45214	21.226	ug/l	100
46) Dibromomethane	9.31	93	22818	20.488	ug/l	98
47) Bromodichloromethane	9.50	83	53411	20.901	ug/l	100
48) Methyl methacrylate	9.30	41	27928	21.127	ug/l	98
49) 1,4-Dioxane	9.30	88	6469	410.617	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	159183	103.621	ug/l	100
52) Toluene	10.25	92	108119	20.898	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58502	21.011	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	69227	20.681	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	35083	21.516	ug/l	95
56) Ethyl methacrylate	10.51	69	48322	20.764	ug/l	98
57) 1,3-Dichloropropane	10.79	76	60129	20.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	124065	102.947	ug/l	98
59) 2-Hexanone	10.83	43	110035	103.206	ug/l	100
60) Dibromochloromethane	10.99	129	35879	20.636	ug/l	100
61) 1,2-Dibromoethane	11.09	107	32135	20.702	ug/l	99
64) Tetrachloroethene	10.72	164	54692	21.103	ug/l	97
65) Chlorobenzene	11.52	112	111983	21.015	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	37191	21.140	ug/l	98
67) Ethyl Benzene	11.60	91	208921	21.417	ug/l	99
68) m/p-Xylenes	11.70	106	154531	42.295	ug/l	99
69) o-Xylene	12.03	106	73529	21.436	ug/l	100
70) Styrene	12.05	104	127040	21.347	ug/l	99
71) Bromoform	12.20	173	20289	21.207	ug/l	# 100
73) Isopropylbenzene	12.33	105	194586	20.519	ug/l	98
74) N-amyl acetate	12.14	43	54593	20.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	24055	20.965	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	23701m	16.908	ug/l	
77) Bromobenzene	12.61	156	42610	20.423	ug/l	98
78) n-propylbenzene	12.67	91	241654	20.489	ug/l	100
79) 2-Chlorotoluene	12.75	91	132046	20.601	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	162802	20.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14497	20.115	ug/l	94
82) 4-Chlorotoluene	12.86	91	137980	20.539	ug/l	100
83) tert-Butylbenzene	13.08	119	134396	20.458	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	161048	20.563	ug/l	99
85) sec-Butylbenzene	13.25	105	203524	20.797	ug/l	98
86) p-Isopropyltoluene	13.37	119	178258	21.164	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	83589	20.672	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	84530	20.594	ug/l	99
89) n-Butylbenzene	13.70	91	178400	20.663	ug/l	99
90) Hexachloroethane	13.96	117	32139	20.024	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	77220	21.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5623	20.263	ug/l	98

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MSVOA_Y
ClientSampleId :
VY0408SBSD01

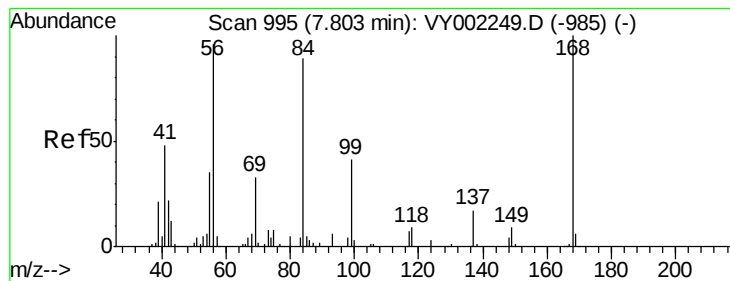
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	49371	20.558	ug/l	100
94) Hexachlorobutadiene	15.11	225	24280	20.073	ug/l	97
95) Naphthalene	15.23	128	109325	20.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43096	20.666	ug/l	98

(#) = 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. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion:168 Resp: 158421

Ion Ratio Lower Upper

168 100

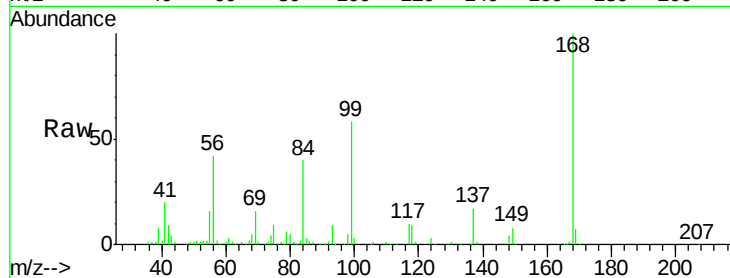
99 58.3 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

40000

20000

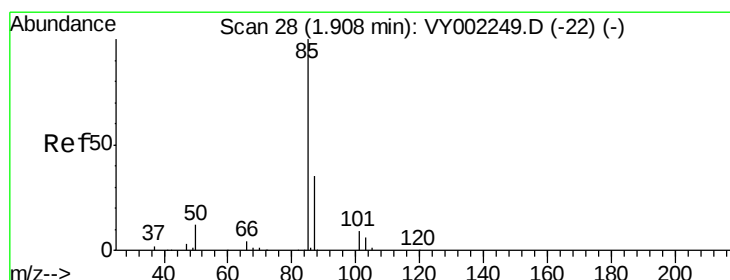
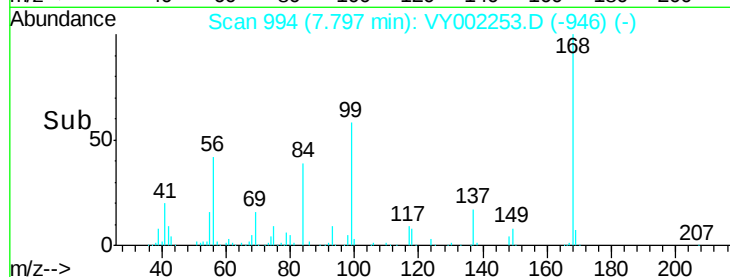
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.148 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002253.D

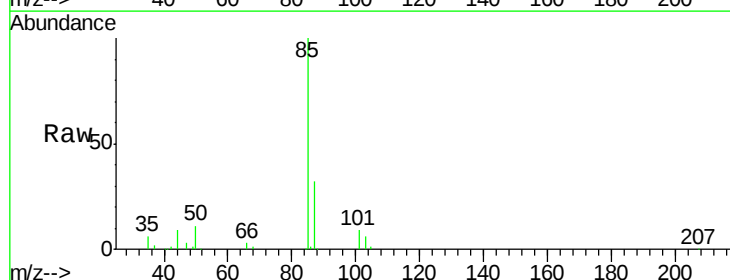
Acq: 08 Apr 2020 16:34

Tgt Ion: 85 Resp: 32259

Ion Ratio Lower Upper

85 100

87 32.0 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.90

25000

20000

15000

10000

5000

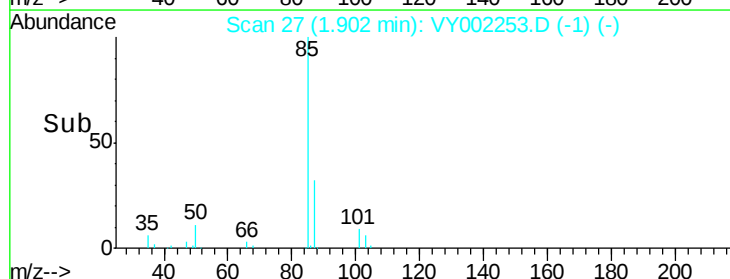
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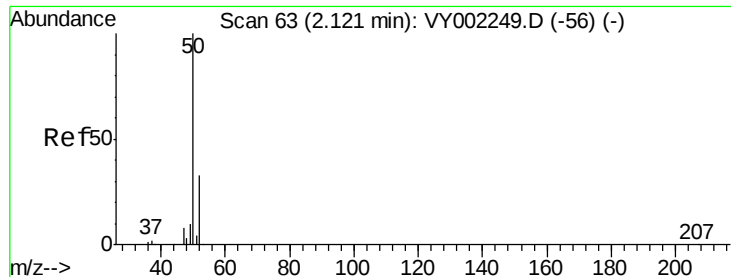
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 20.558 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tot Ion: 50 Resp: 41425

Ion Ratio Lower Upper

50 100

52 31.3 26.6 39.8

Instrument :

MSVOA_Y

ClientSampleId :

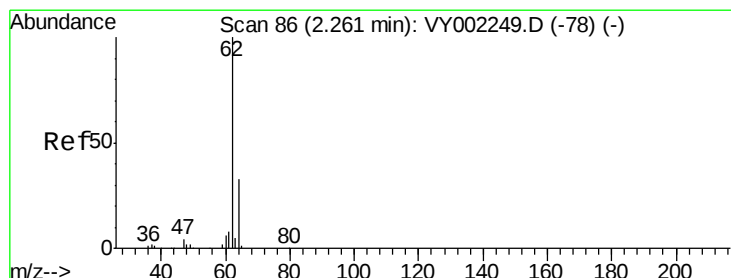
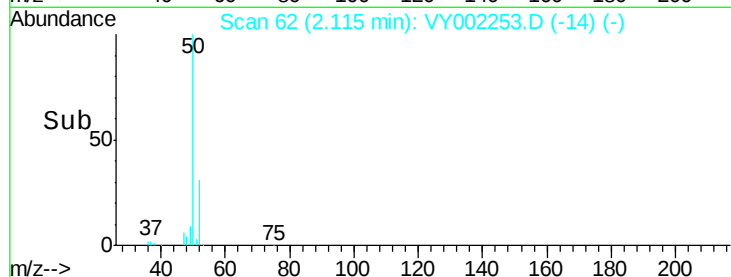
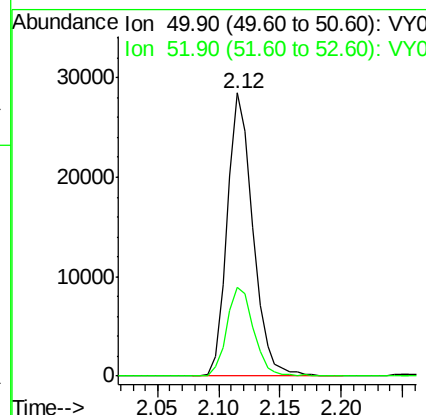
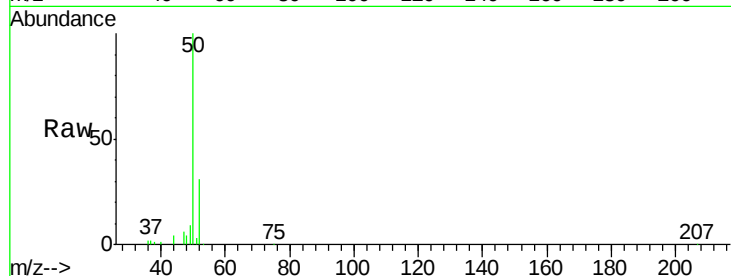
VY0408SBS01

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#4

Vinyl Chloride

Concen: 20.595 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002253.D

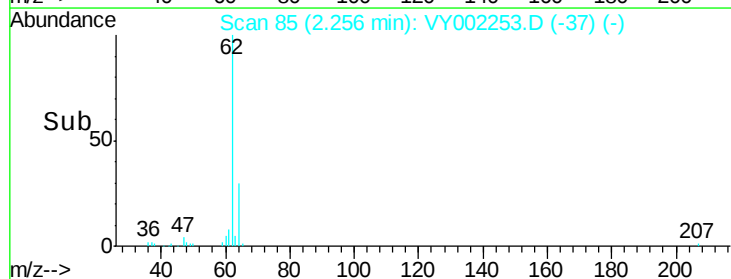
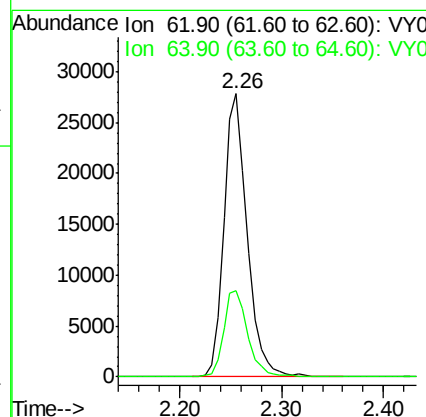
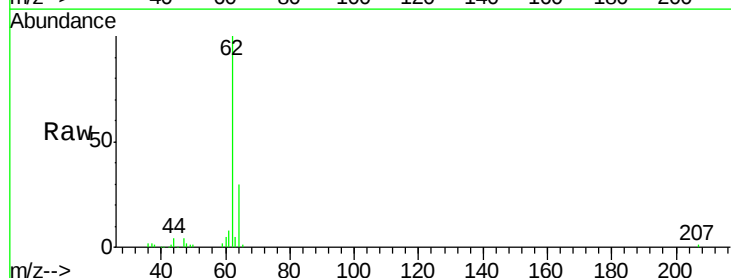
Acq: 08 Apr 2020 16:34

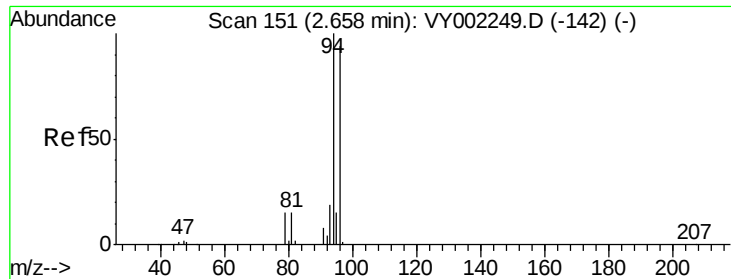
Tgt Ion: 62 Resp: 44173

Ion Ratio Lower Upper

62 100

64 30.5 26.2 39.2





#5

Bromomethane

Concen: 21.066 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 94 Resp: 27902

Ion Ratio Lower Upper

94 100

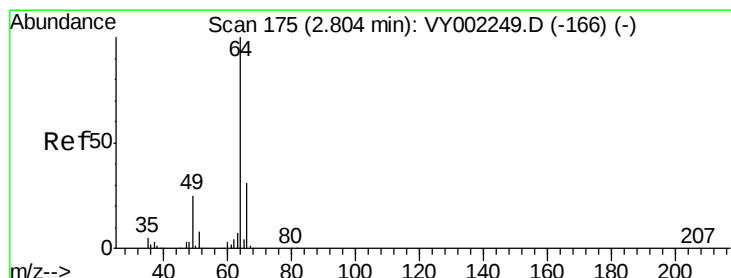
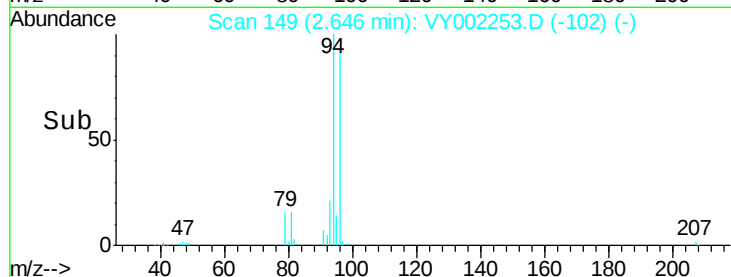
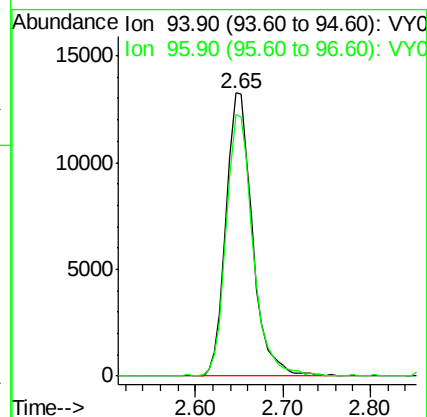
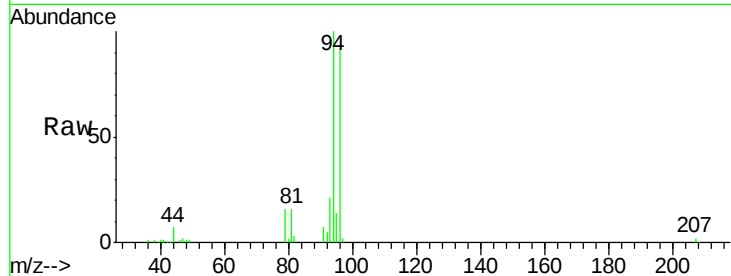
96 92.3 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 21.045 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002253.D

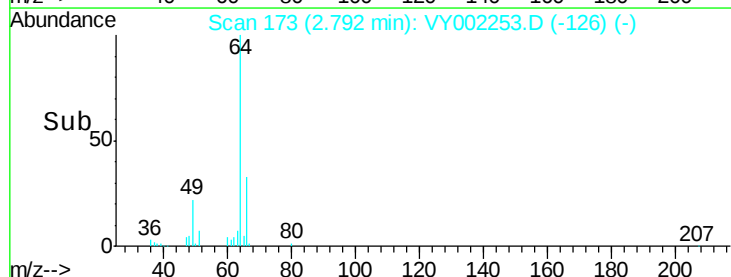
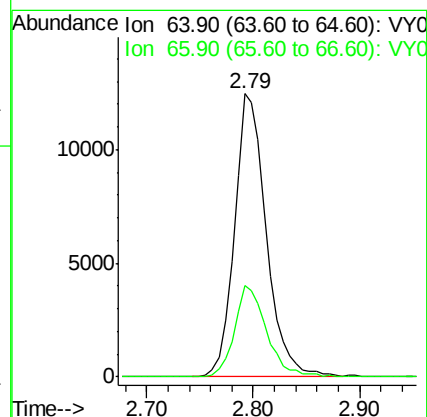
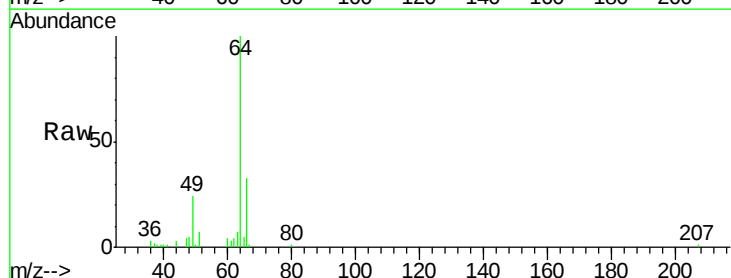
Acq: 08 Apr 2020 16:34

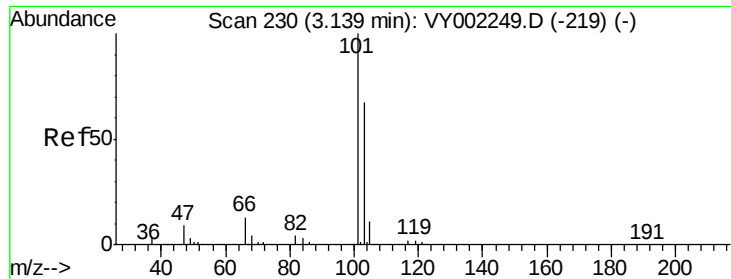
Tgt Ion: 64 Resp: 26032

Ion Ratio Lower Upper

64 100

66 32.5 24.6 37.0





#7

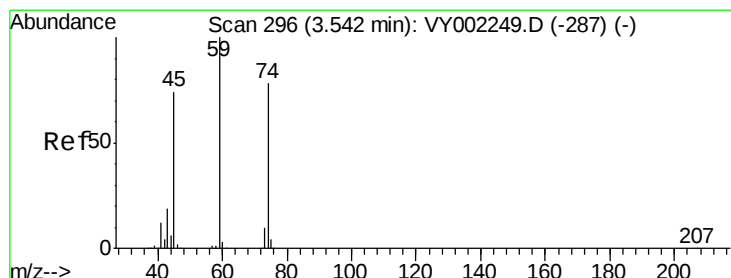
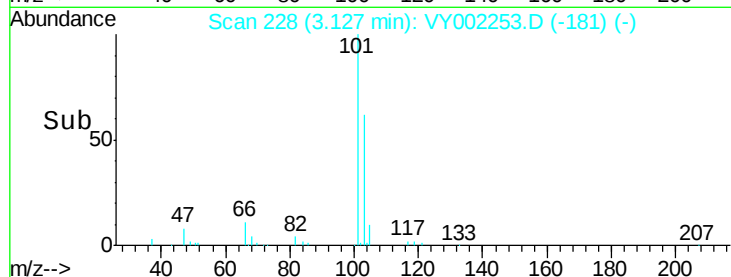
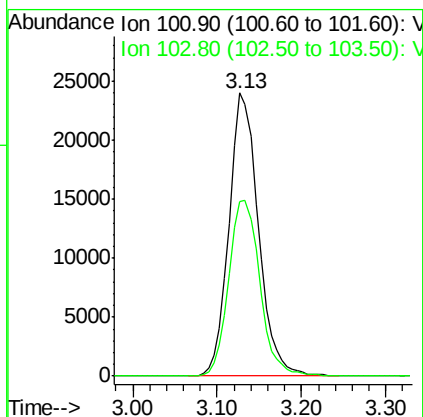
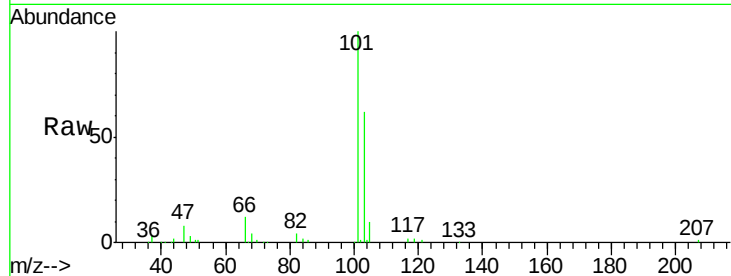
Trichlorofluoromethane
 Concen: 20.520 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

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 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.3	79.9

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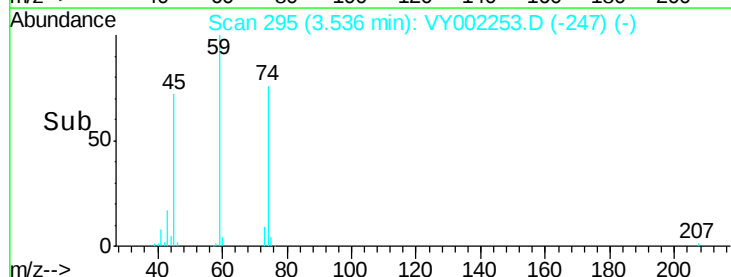
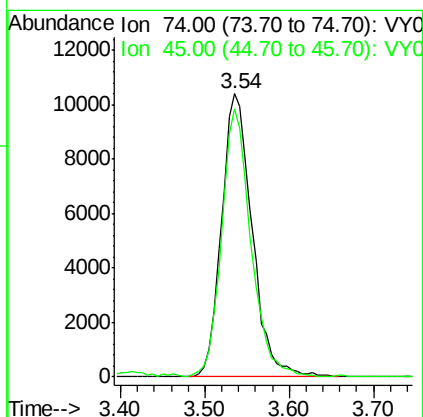
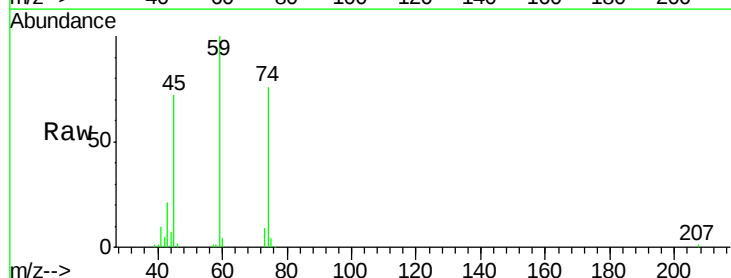
MMDadoda
 4/9/2020 11:32:11 AM

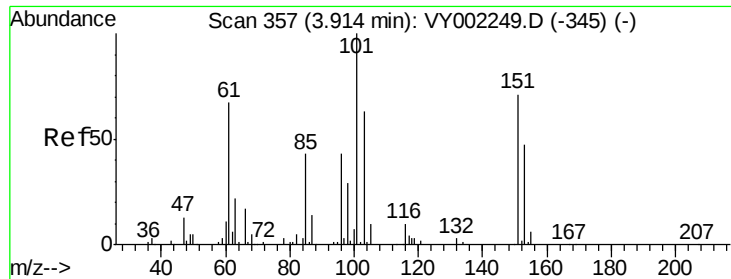


#8

Diethyl Ether
 Concen: 21.913 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.748 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

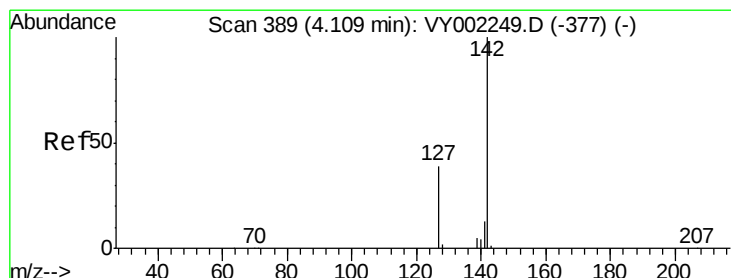
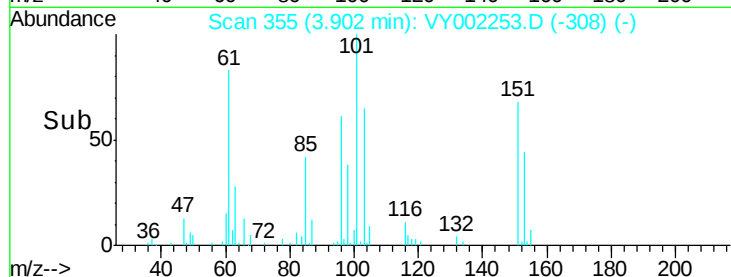
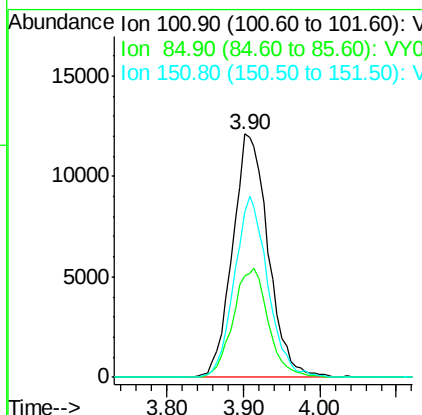
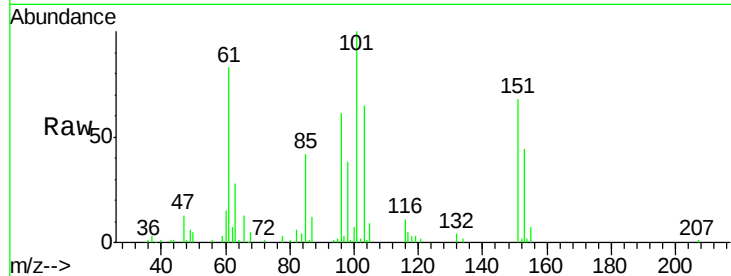
ClientSampleId :

VY0408SBS01

Tot Ion:	101	Resp:	39037
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.6	52.0
151	70.1	57.6	86.4

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#10

Methyl Iodide

Concen: 19.662 ug/l

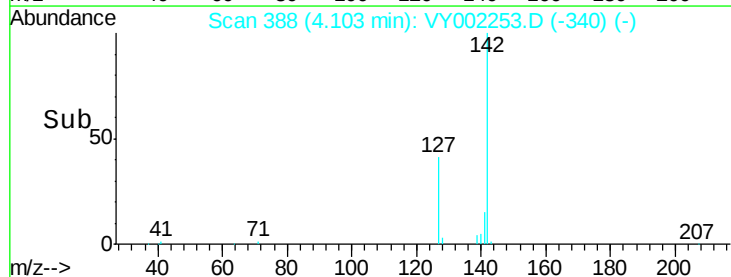
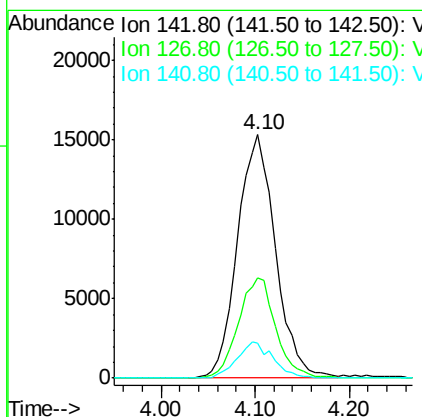
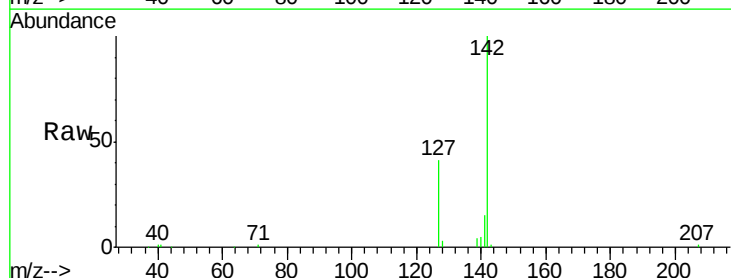
RT: 4.10 min Scan# 388

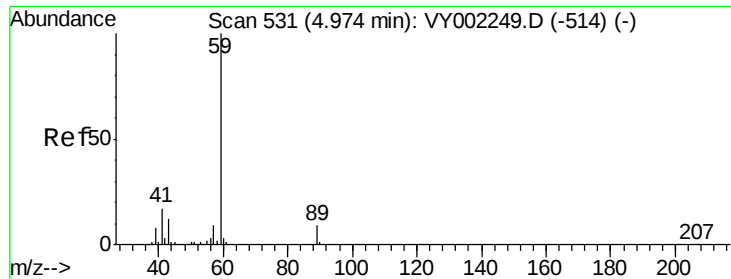
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	142	Resp:	43002
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.4	48.6
141	14.0	11.2	16.8





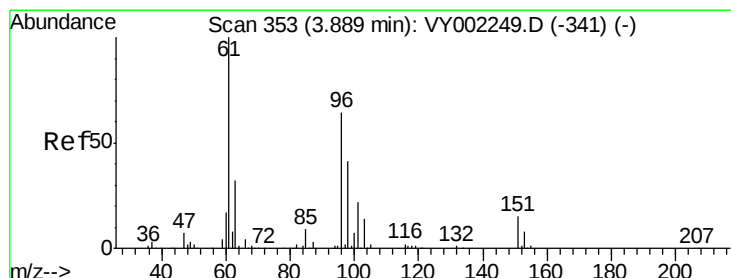
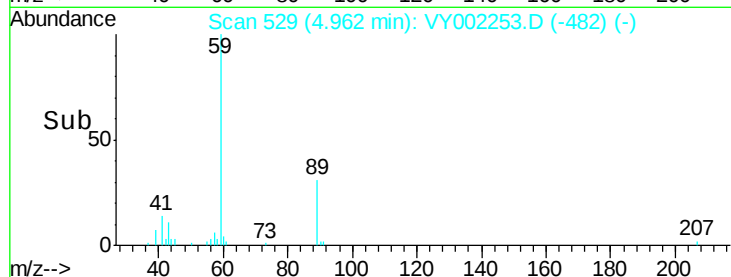
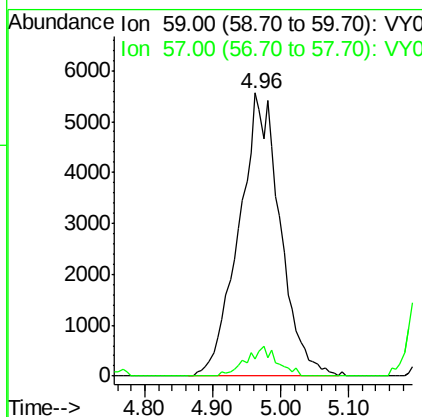
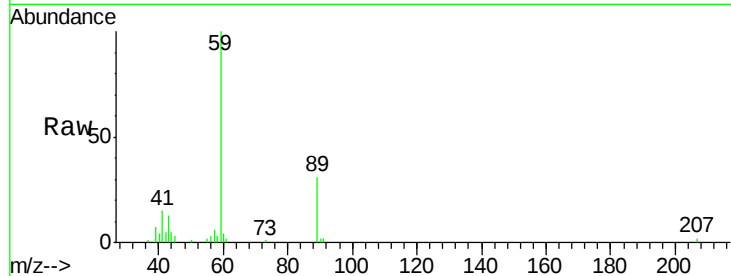
#11
Tert butyl alcohol
Concen: 105.660 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	6.6	9.8

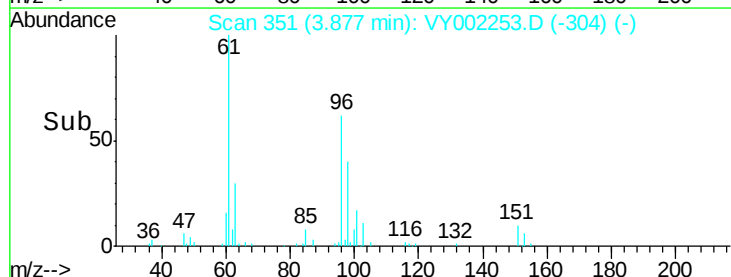
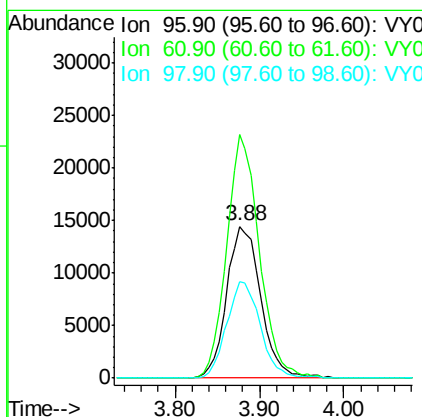
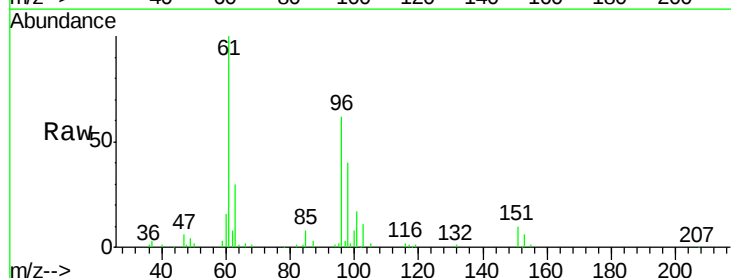
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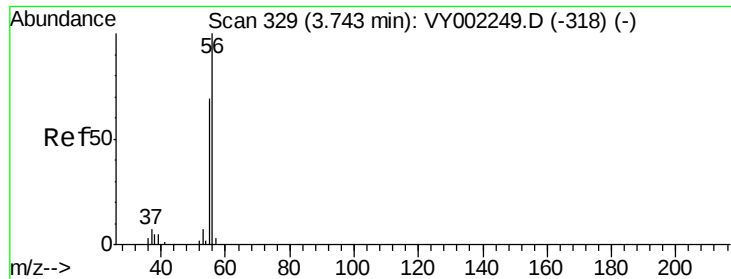
MMDadoda
4/9/2020 11:32:11 AM



#12
1,1-Dichloroethene
Concen: 20.689 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	125.9	188.9
98	63.6	51.1	76.7





#13

Acrolein

Concen: 99.060 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 56 Resp: 22502

Ion Ratio Lower Upper

56 100

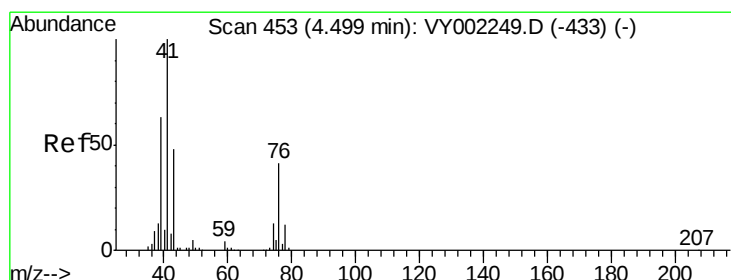
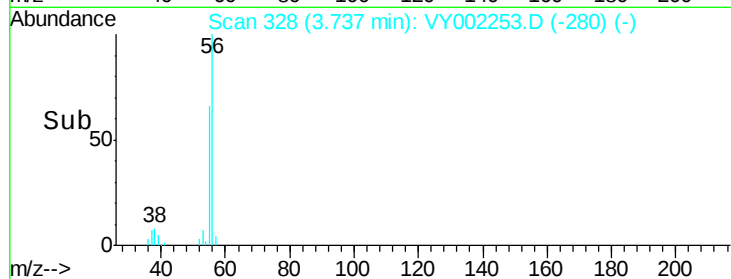
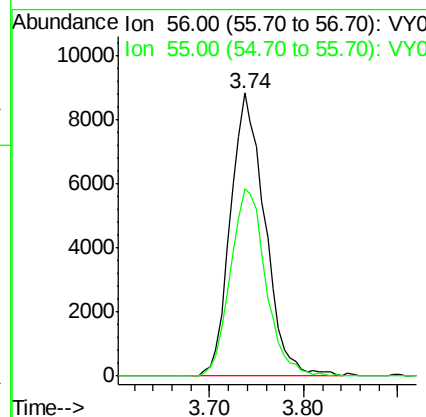
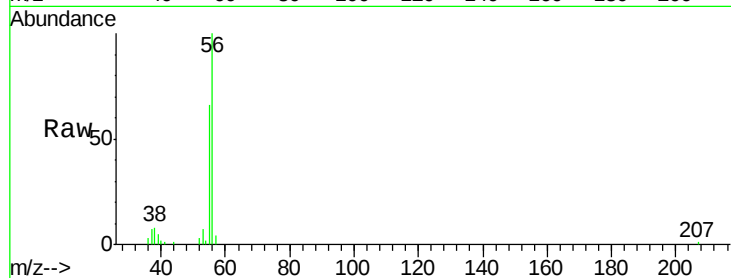
55 68.2 55.8 83.8

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#14

Allyl chloride

Concen: 21.057 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

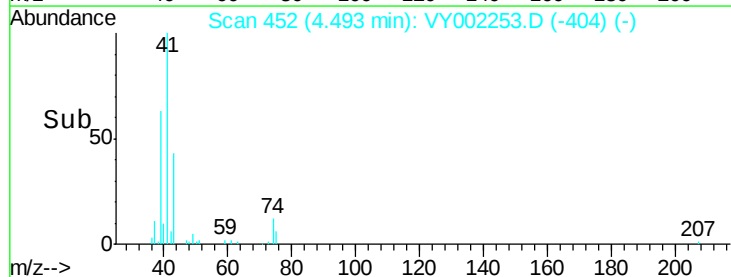
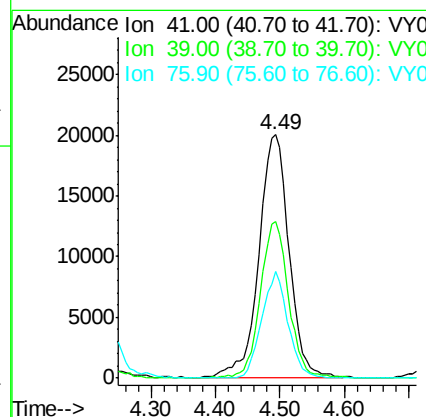
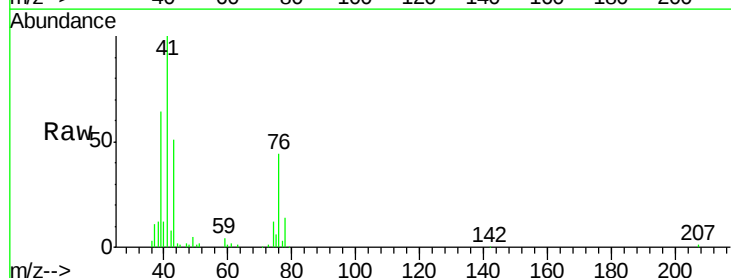
Tgt Ion: 41 Resp: 65045

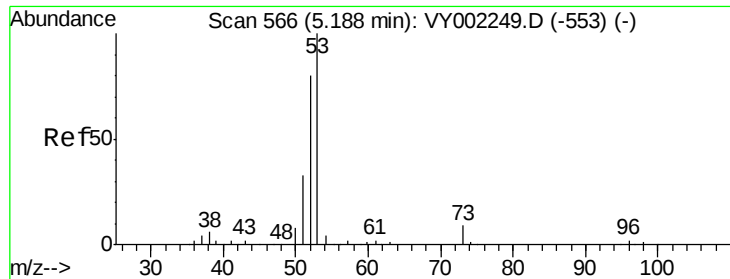
Ion Ratio Lower Upper

41 100

39 60.0 48.0 72.0

76 37.7 31.0 46.6





#15

Acrylonitrile

Concen: 104.338 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

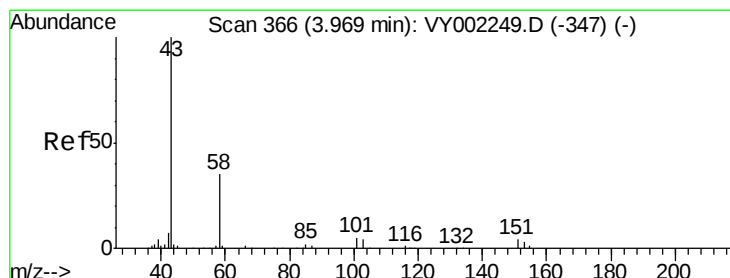
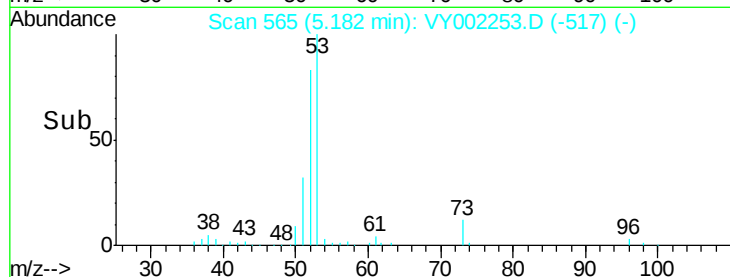
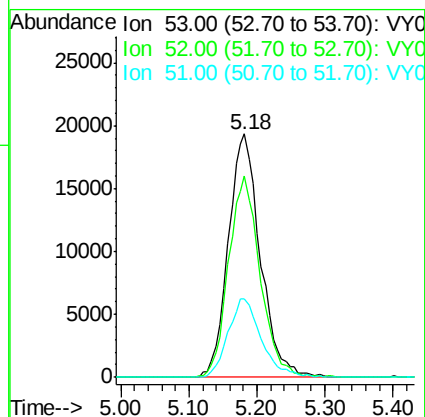
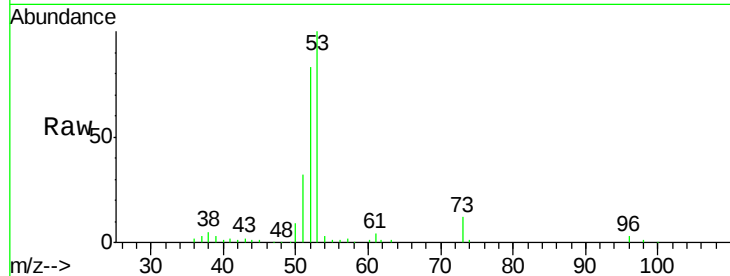
ClientSampleId :

VY0408SBS01

Tot Ion:	53	Resp:	62829
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	33.5	27.1	40.7

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#16

Acetone

Concen: 100.656 ug/l

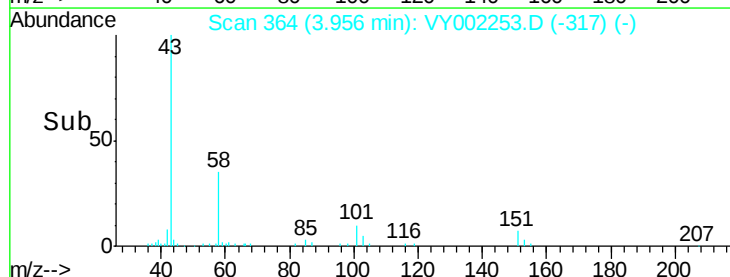
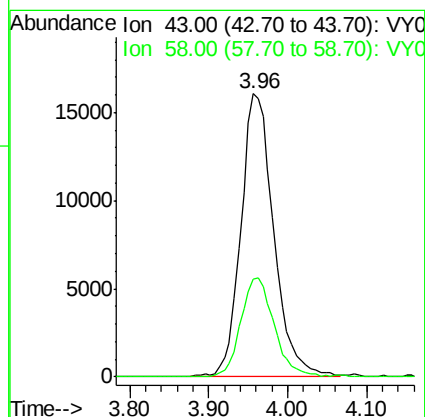
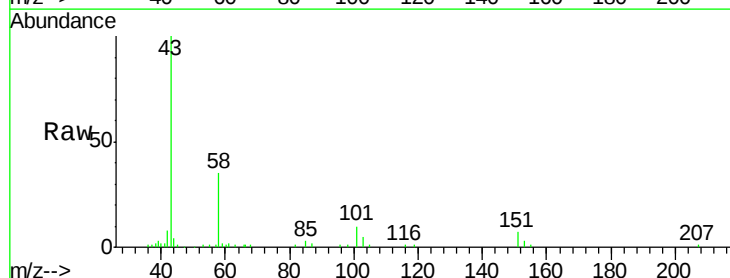
RT: 3.96 min Scan# 364

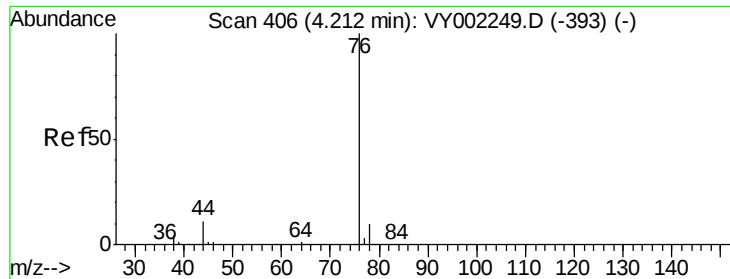
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	43	Resp:	46706
Ion	Ratio	Lower	Upper
43	100		
58	34.6	28.5	42.7





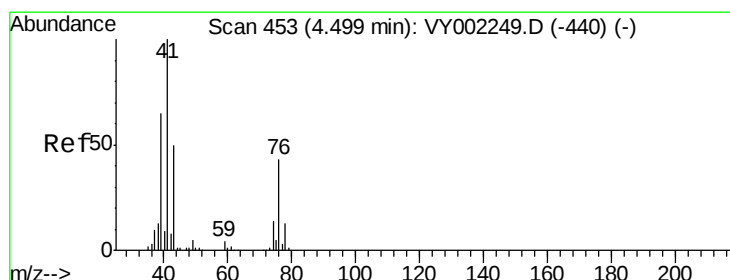
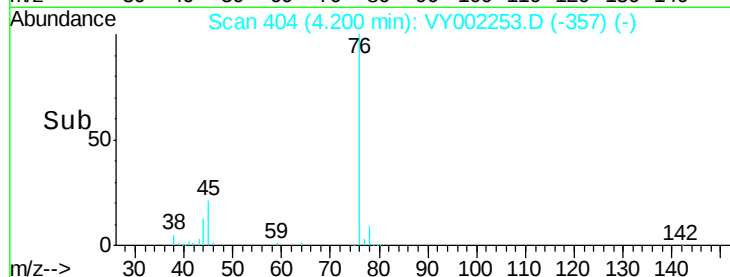
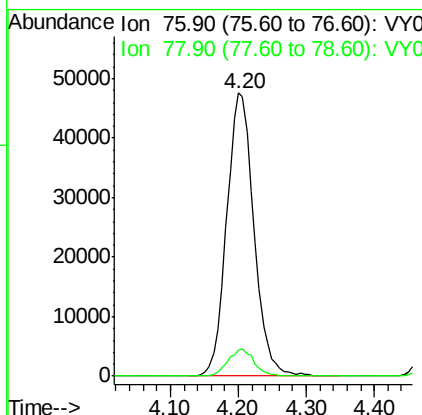
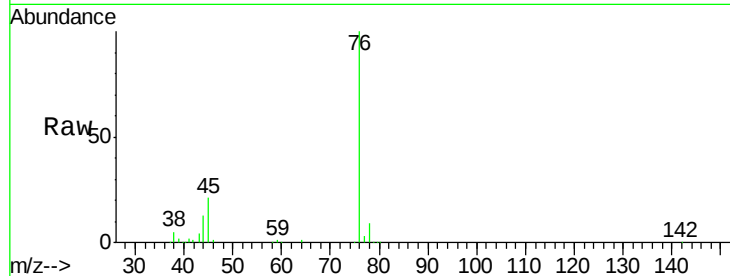
#17
Carbon Disulfide
Concen: 20.717 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion: 76 Resp: 131614
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5

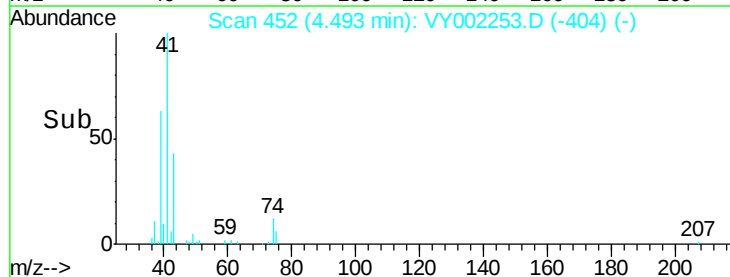
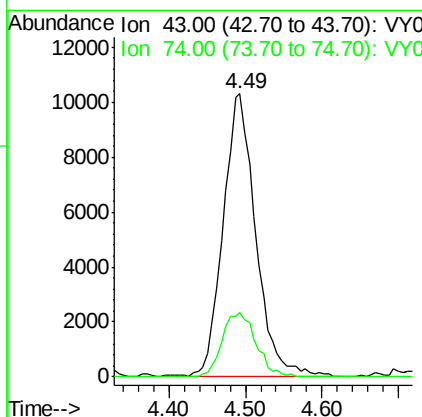
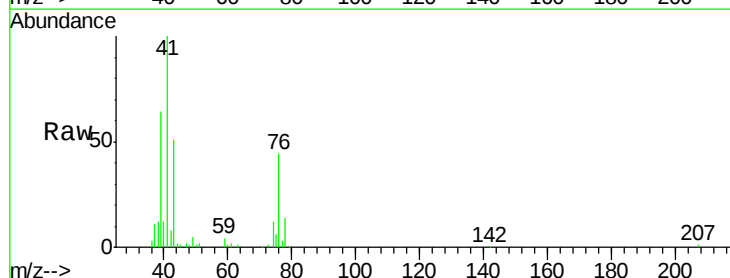
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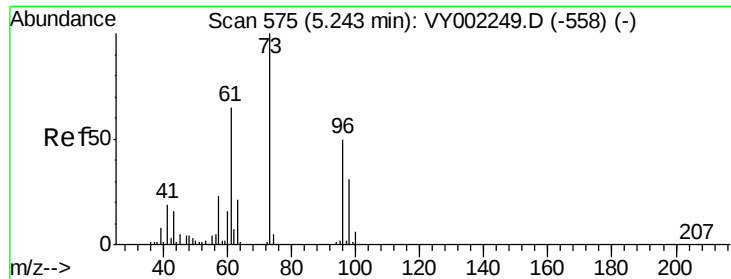
MMDadoda
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#18
Methyl Acetate
Concen: 21.175 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion: 43 Resp: 30477
Ion Ratio Lower Upper
43 100
74 23.6 20.3 30.5





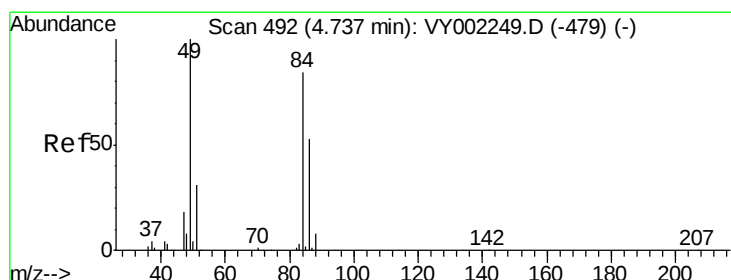
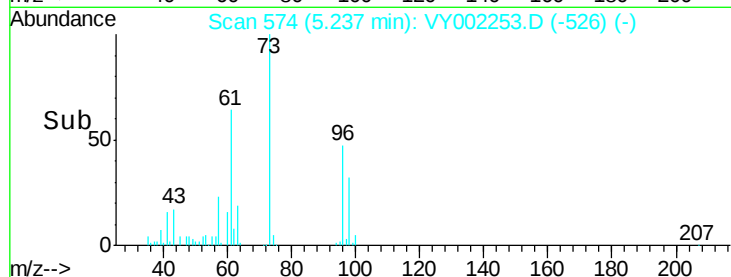
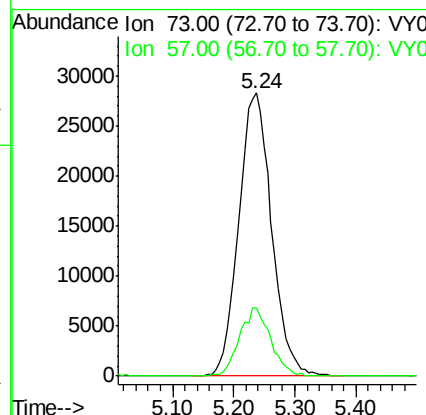
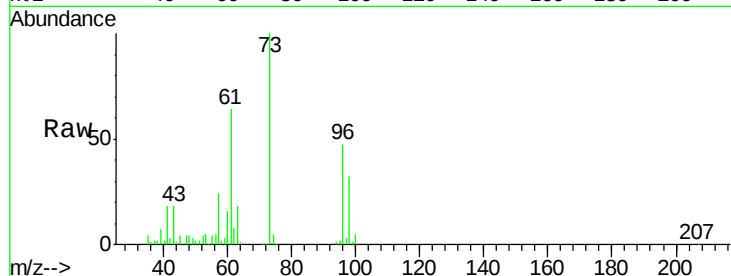
#19
Methvl tert-butvl Ether
Concen: 20.982 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion: 73 Resp: 105515
Ion Ratio Lower Upper
73 100
57 23.9 18.7 28.1

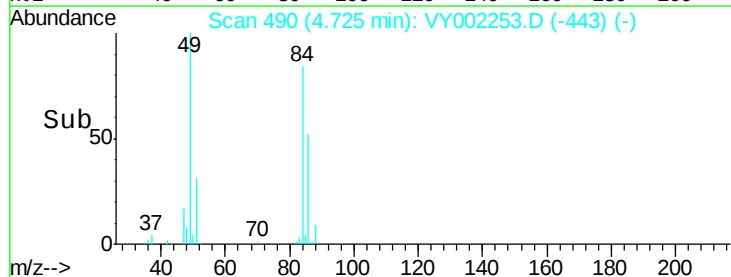
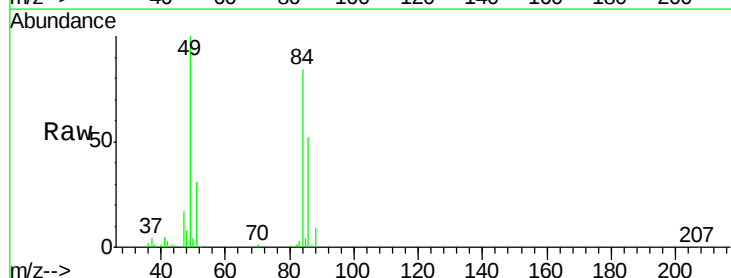
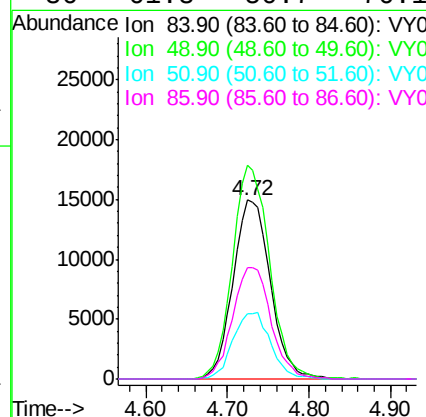
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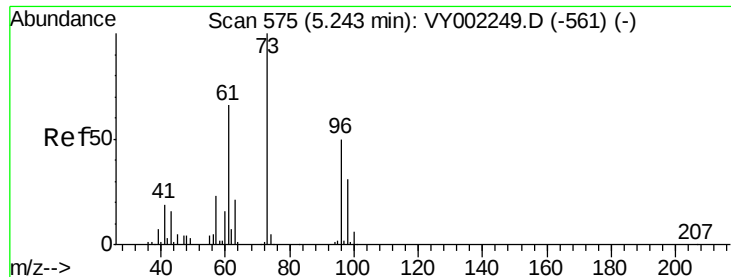
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#20
Methylene Chloride
Concen: 20.776 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion: 84 Resp: 47385
Ion Ratio Lower Upper
84 100
49 118.9 95.5 143.3
51 36.6 29.5 44.3
86 61.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.386 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

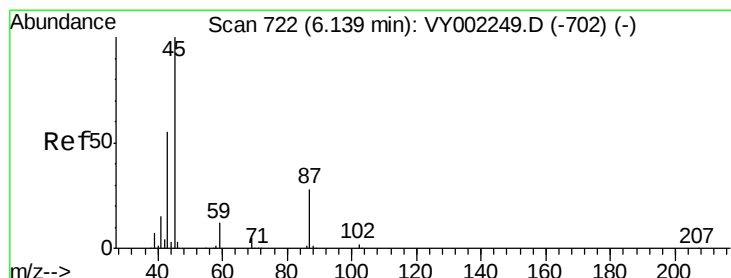
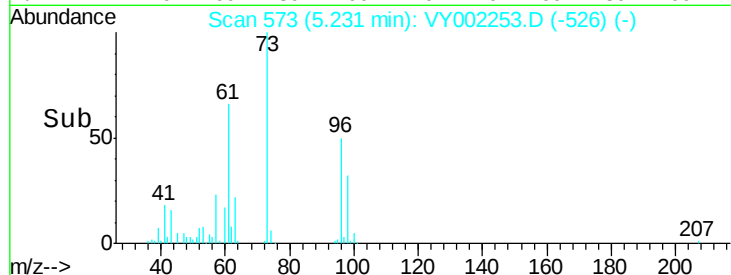
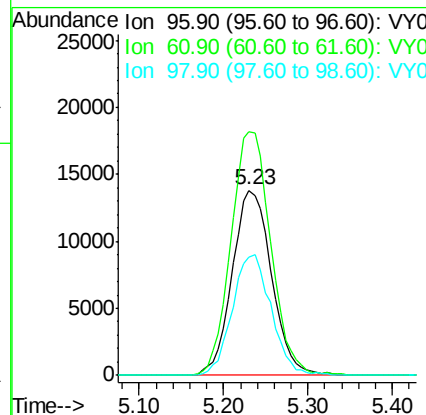
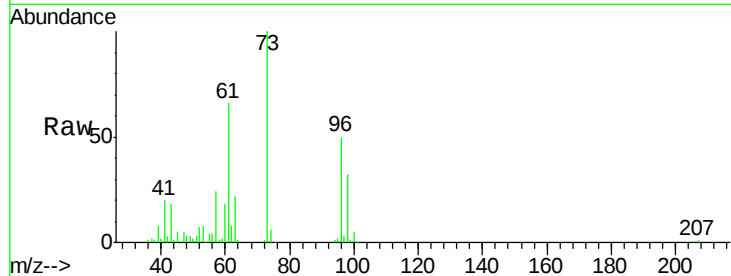
ClientSampleId :

VY0408SBS01

Tot Ion:	96	Resp:	43772
Ion	Ratio	Lower	Upper
96	100		
61	131.8	104.6	157.0
98	63.9	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.433 ug/l

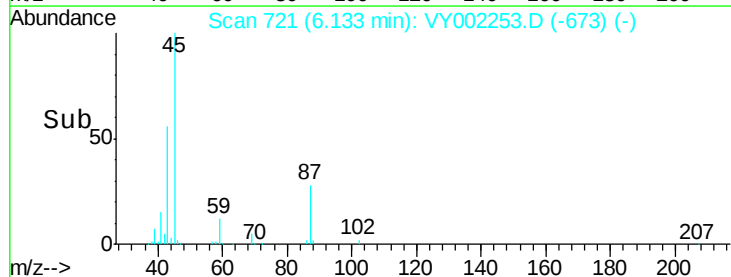
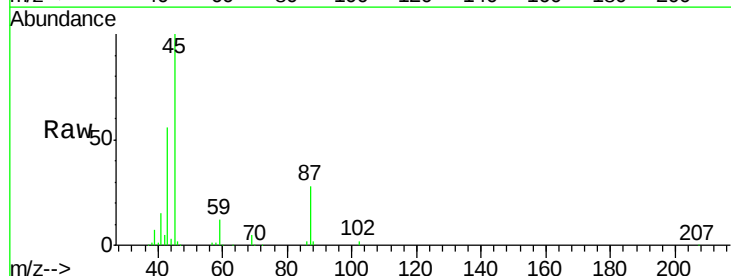
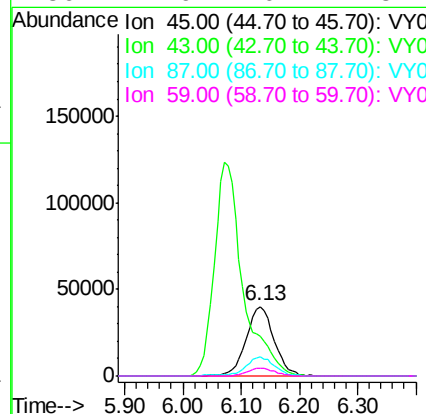
RT: 6.13 min Scan# 721

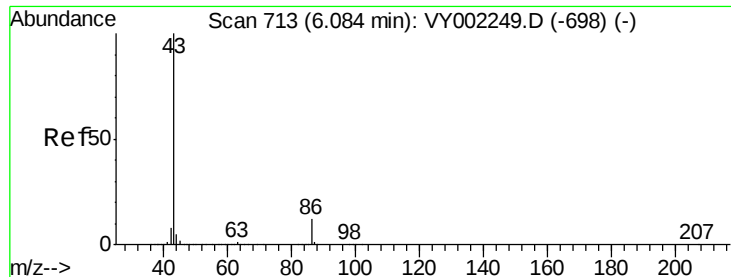
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	45	Resp:	133238
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.7	67.1
87	27.7	23.0	34.4
59	11.9	10.1	15.1





#23

Vinyl Acetate

Concen: 105.442 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 43 Resp: 417708

Ion Ratio Lower Upper

43 100

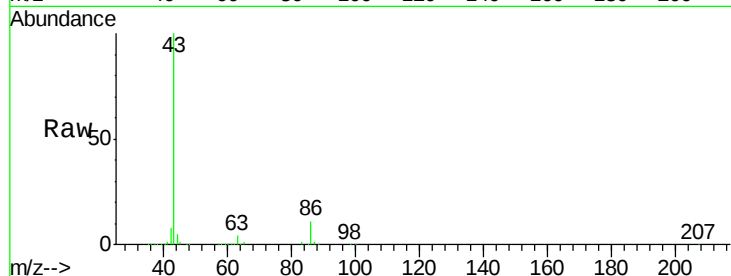
86 11.1 9.2 13.8

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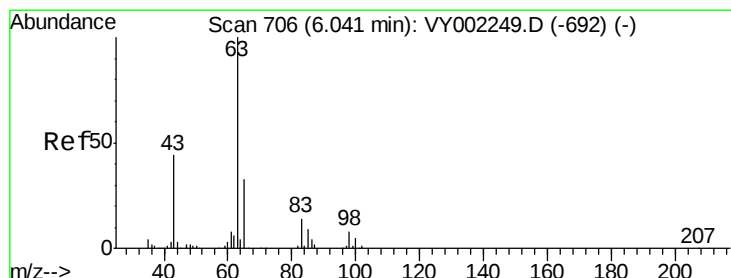
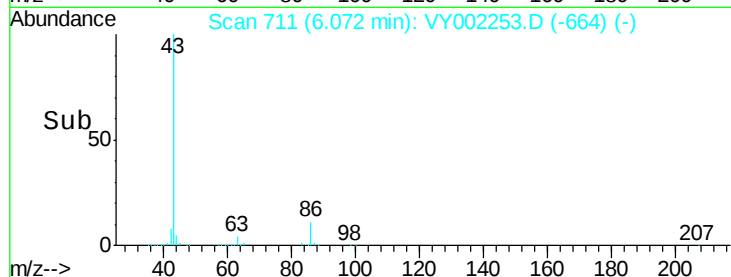
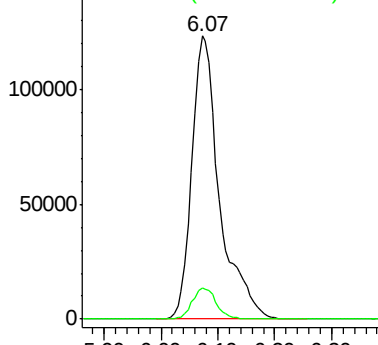
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.841 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

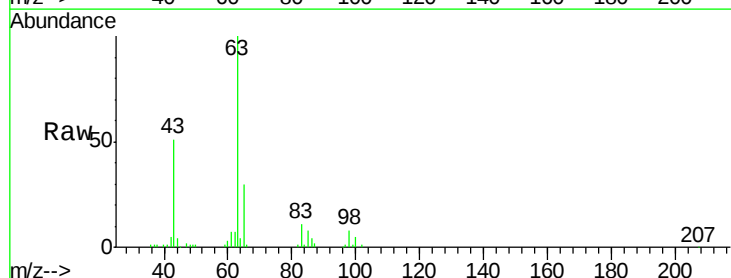
Tgt Ion: 63 Resp: 73691

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.0

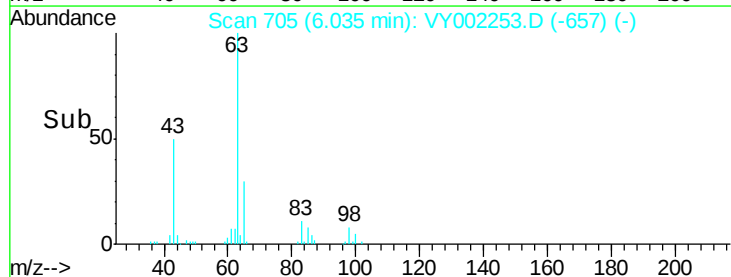
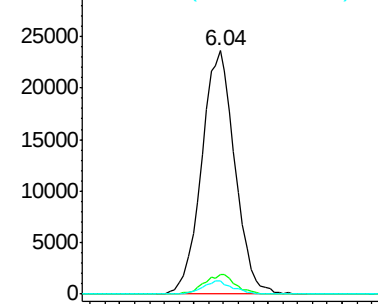
100 5.3 2.4 7.1

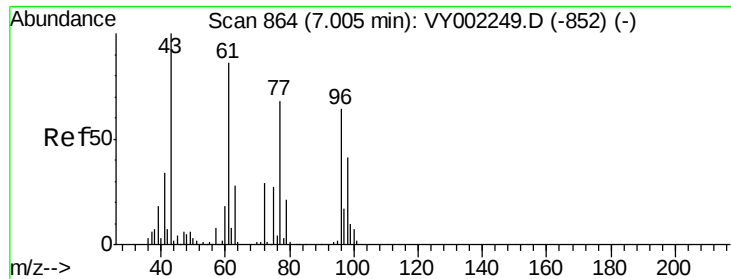


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 101.556 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 43 Resp: 74575

Ion Ratio Lower Upper

43 100

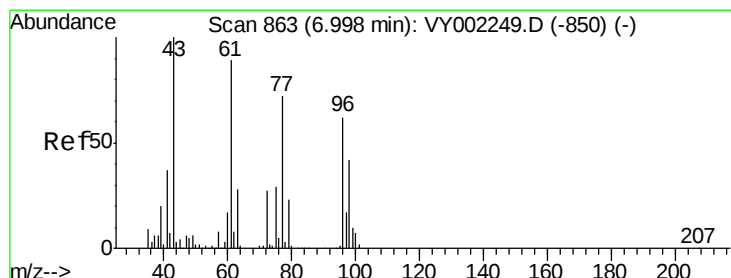
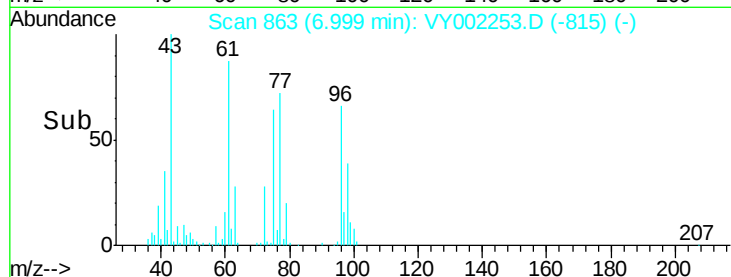
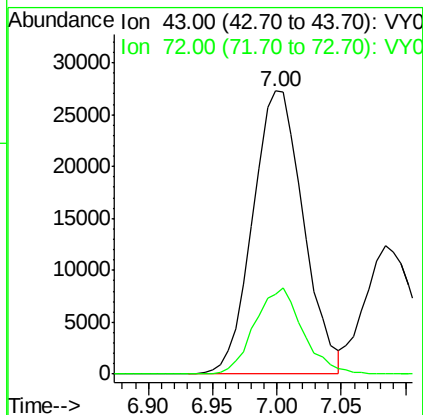
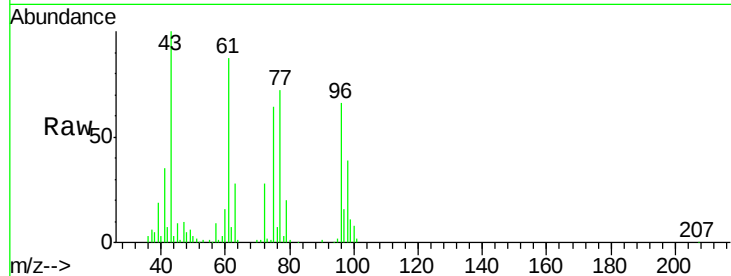
72 28.1 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.612 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002253.D

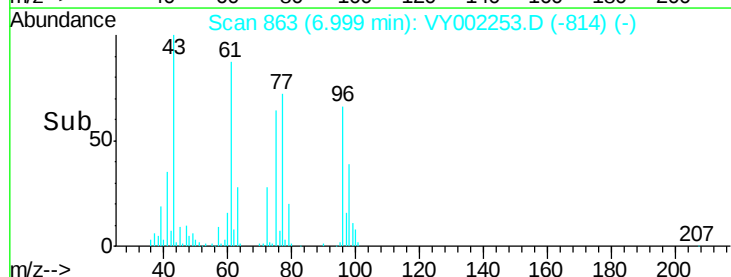
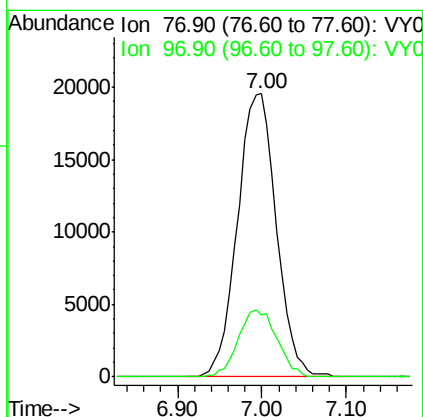
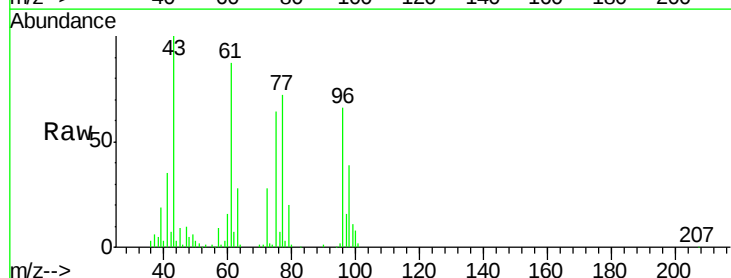
Acq: 08 Apr 2020 16:34

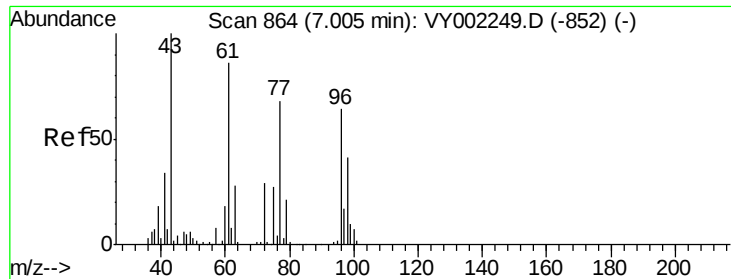
Tgt Ion: 77 Resp: 60965

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6





#27

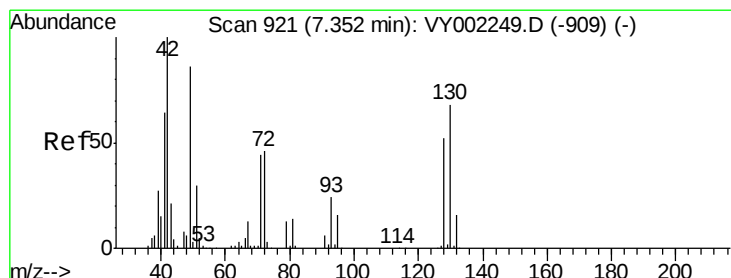
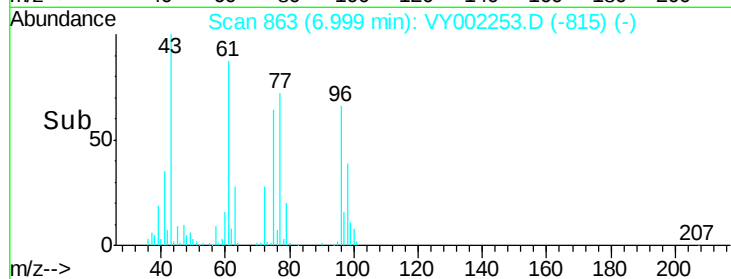
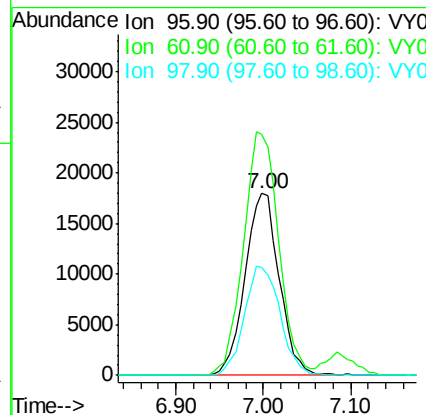
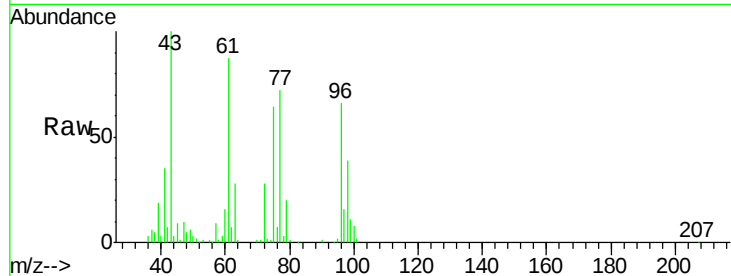
cis-1,2-Dichloroethene
Concen: 20.814 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	278.0
98	62.6	0.0	128.6

Manual Integrations
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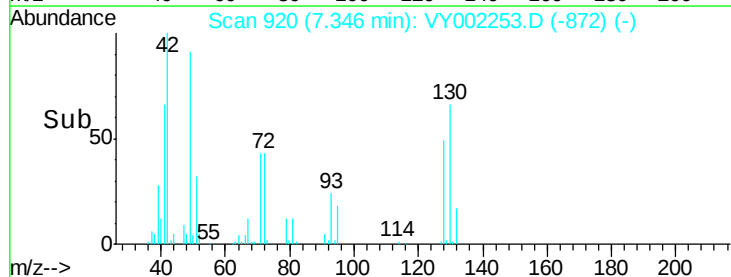
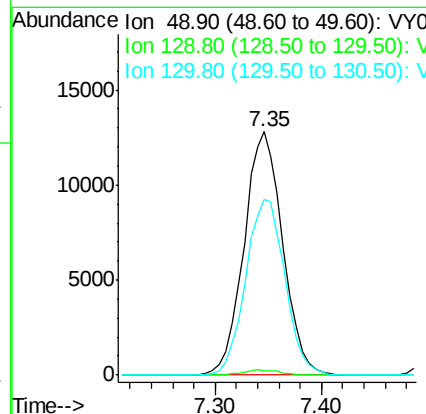
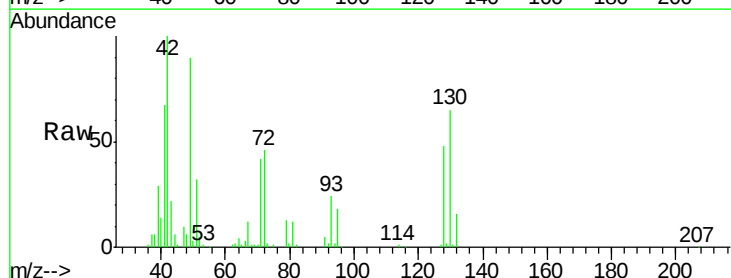
MMDadoda
4/9/2020 11:32:11 AM

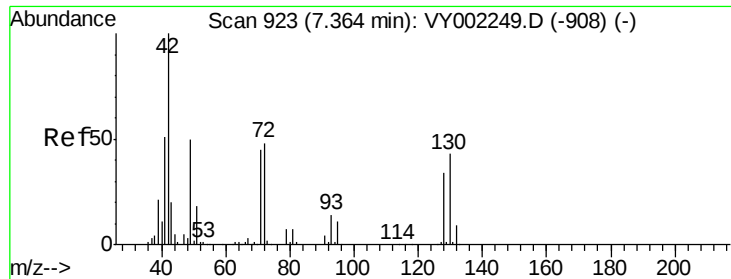


#28

Bromochloromethane
Concen: 21.299 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	73.3	60.9	91.3





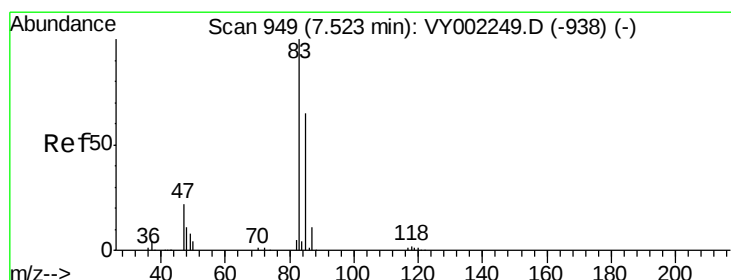
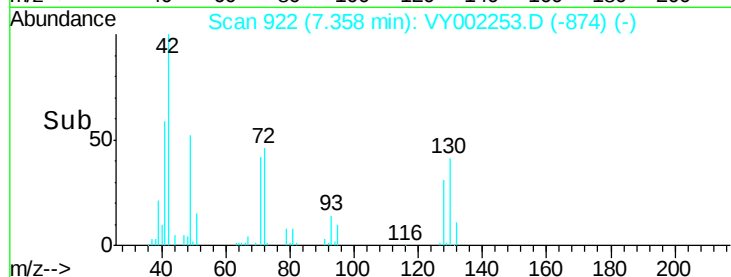
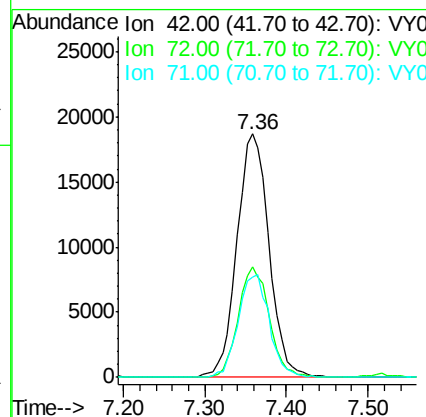
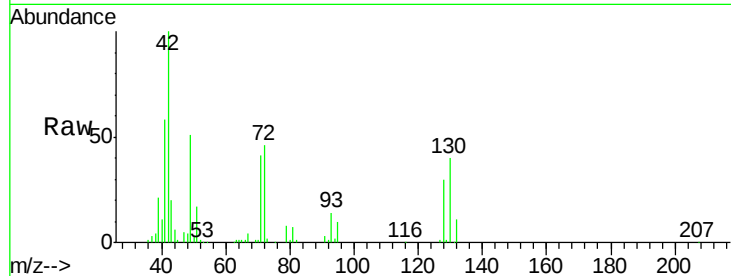
#29
Tetrahydrofuran
Concen: 104.492 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.7	55.1
71	41.0	34.7	52.1

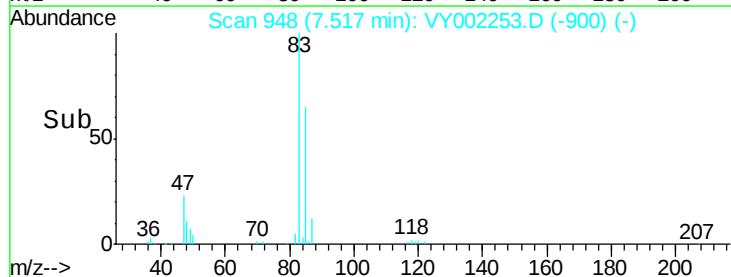
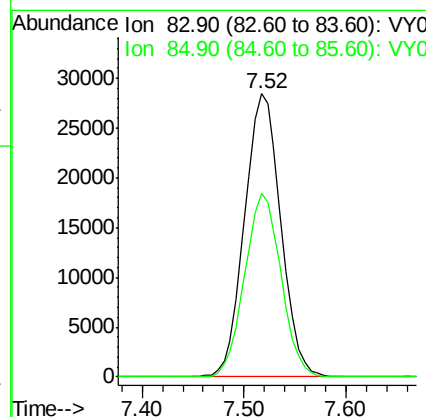
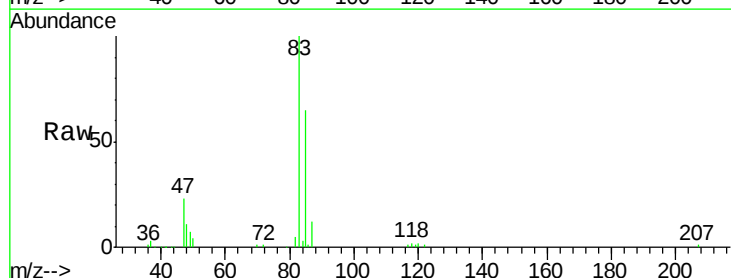
Manual Integrations
APPROVED

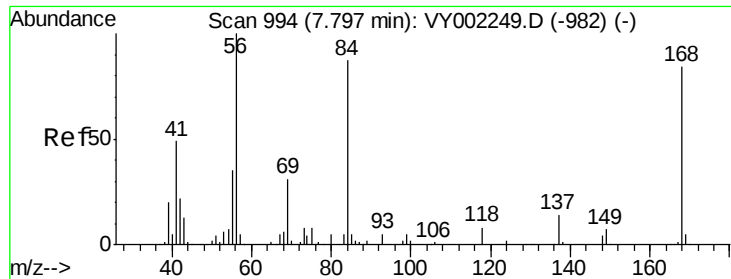
MMDadoda
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#30
Chloroform
Concen: 21.080 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





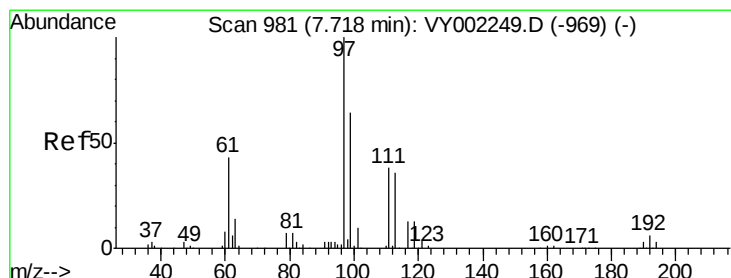
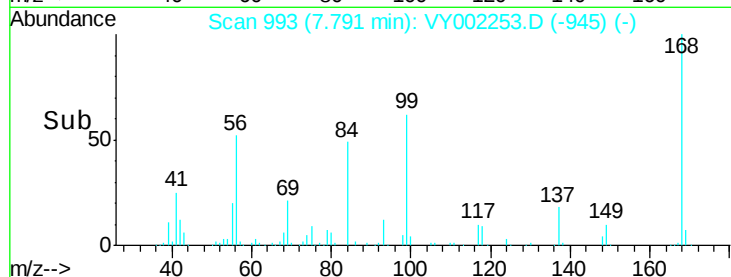
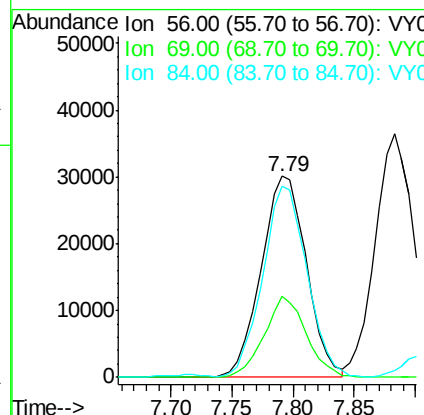
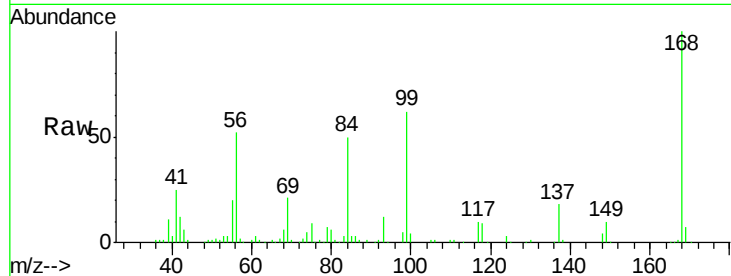
#31
Cyclohexane
Concen: 20.843 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.1	25.0	37.6#
84	93.9	69.7	104.5

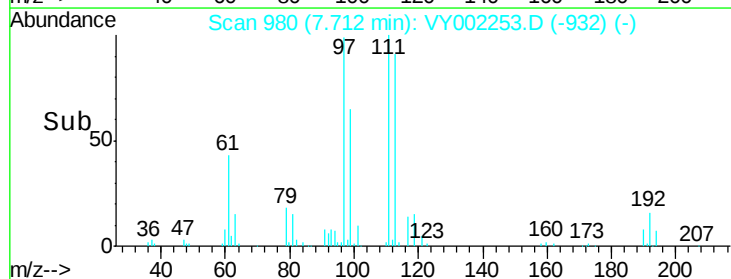
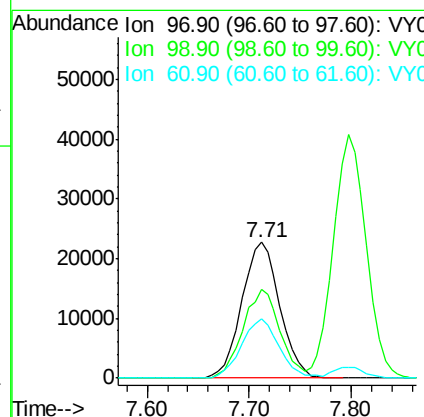
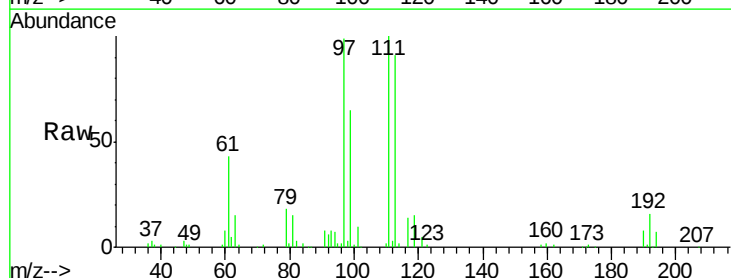
Manual Integrations
APPROVED

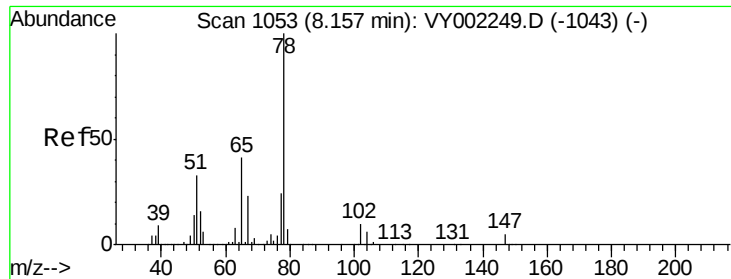
MMDadoda
4/9/2020 11:32:11 AM



#32
1,1,1-Trichloroethane
Concen: 21.072 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	43.2	34.3	51.5





#33

1,2-Dichloroethane-d4

Concen: 51.621 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 65 Resp: 90943

Ion Ratio Lower Upper

65 100

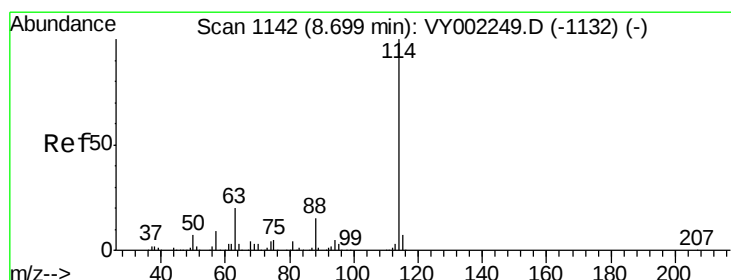
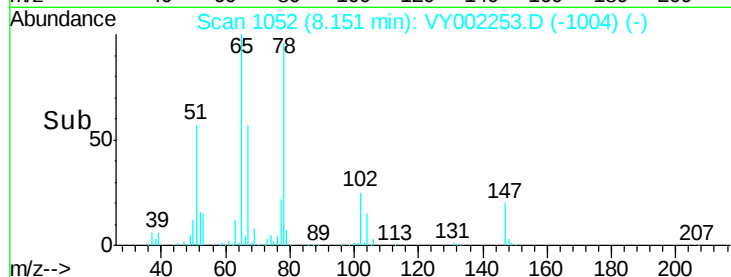
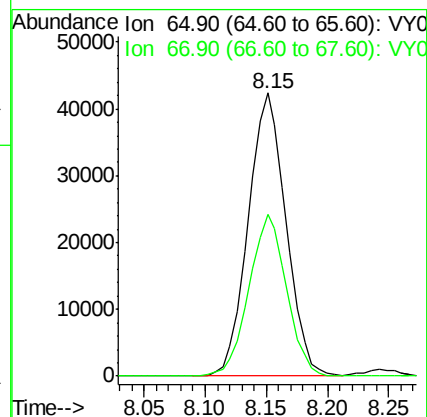
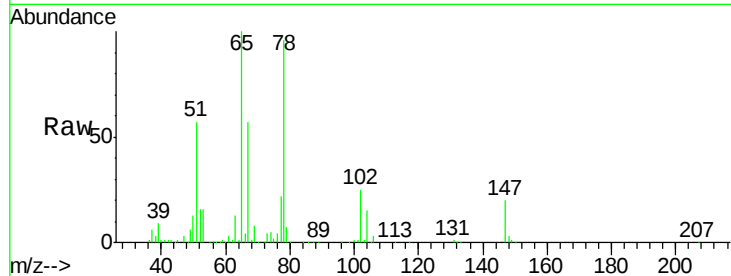
67 56.9 0.0 114.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

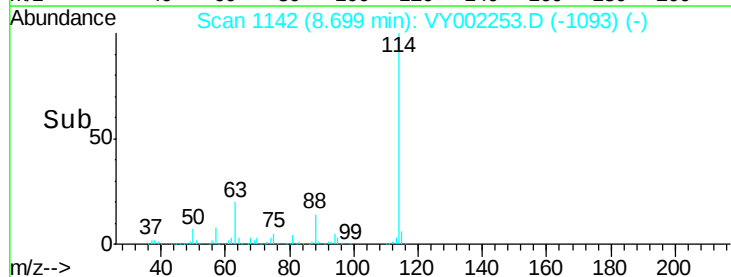
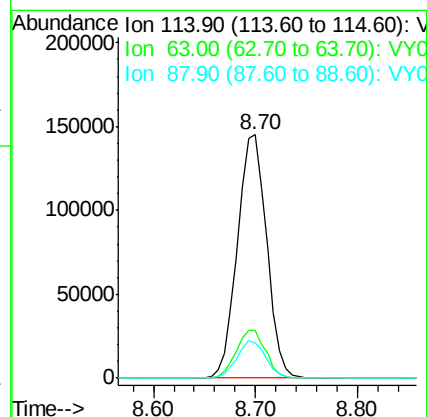
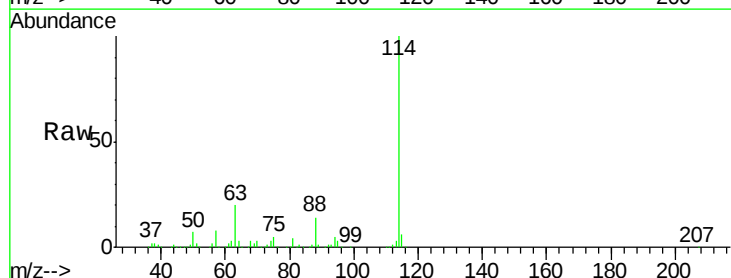
Tgt Ion: 114 Resp: 287272

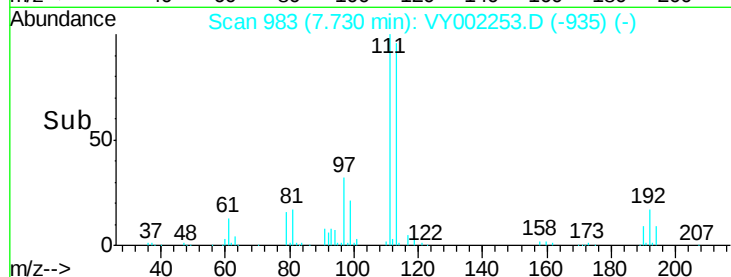
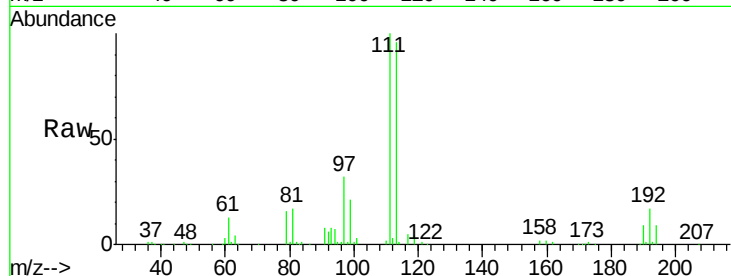
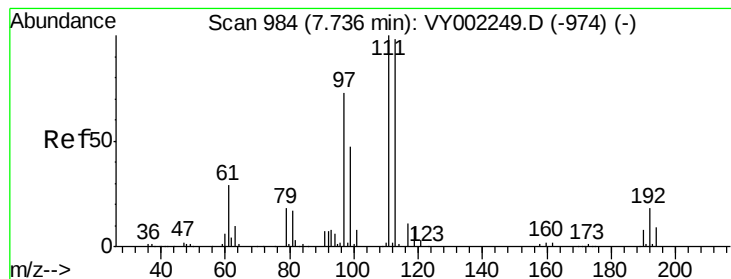
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 14.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.540 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tot Ion:	113	Resp:	88101
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.5	125.3
192	18.1	14.7	22.1

Instrument :

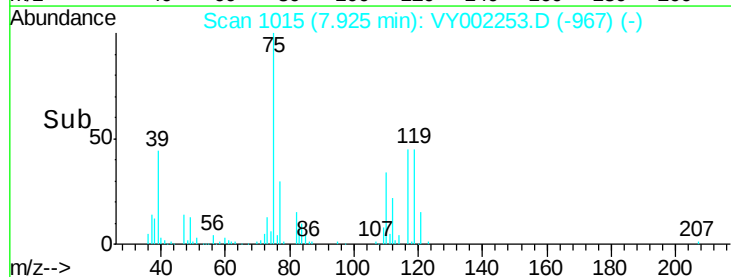
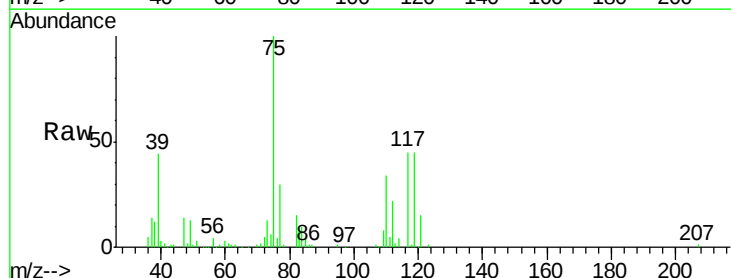
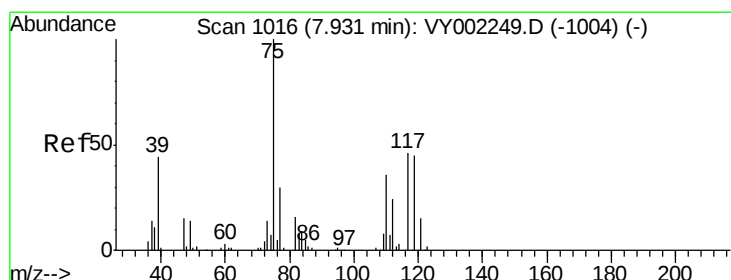
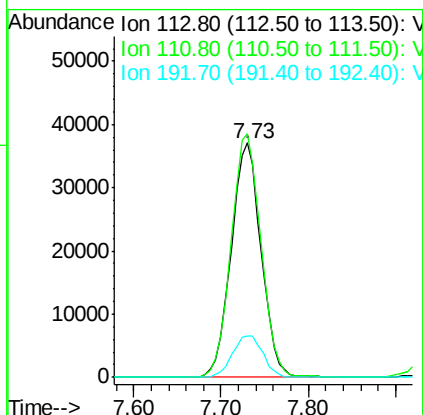
MSVOA_Y

ClientSampleId :

VY0408SBS01

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#36

1,1-Dichloropropene

Concen: 21.346 ug/l

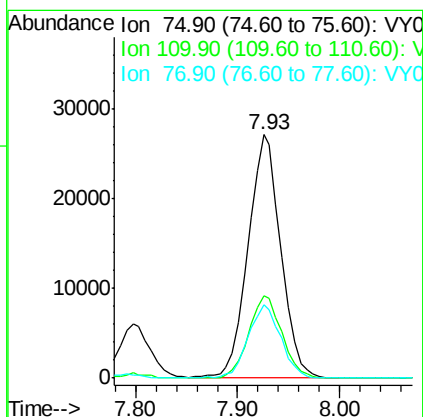
RT: 7.93 min Scan# 1015

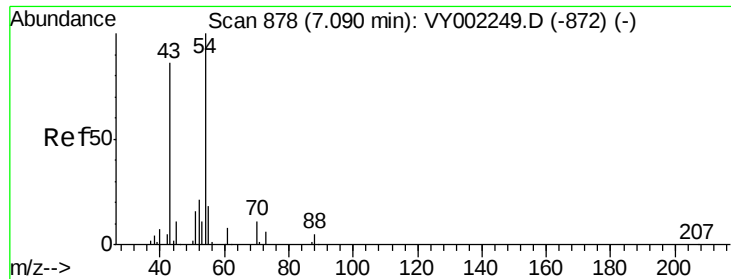
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	75	Resp:	60400
Ion Ratio	Lower	Upper	
75	100		
110	34.2	17.8	53.3
77	30.3	24.4	36.6





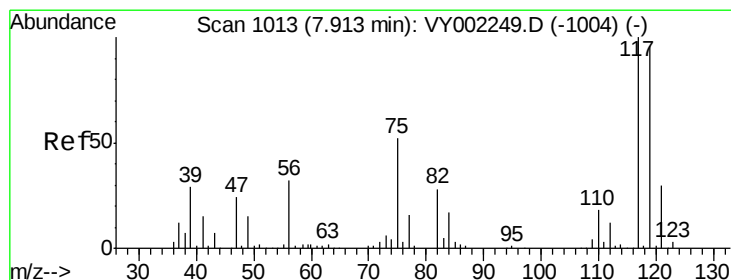
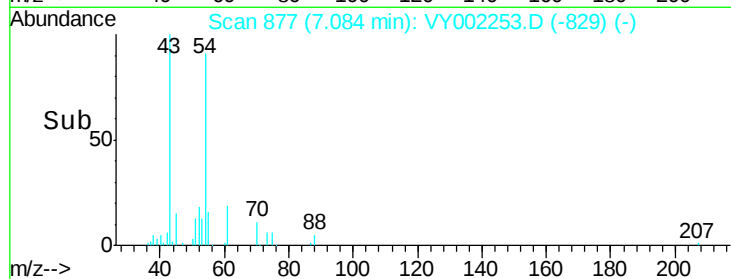
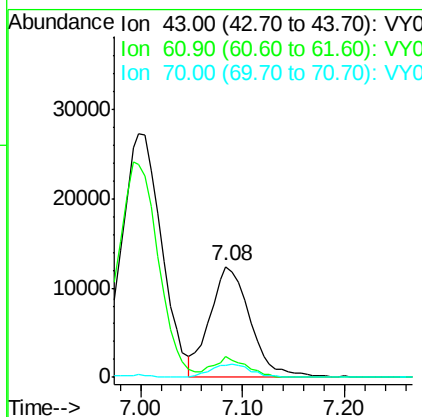
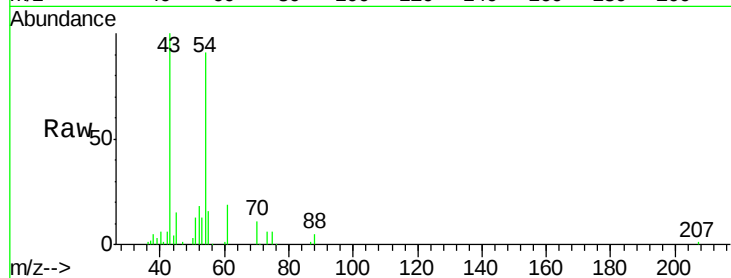
#37
Ethyl Acetate
Concen: 21.055 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	11.8	9.1	13.7

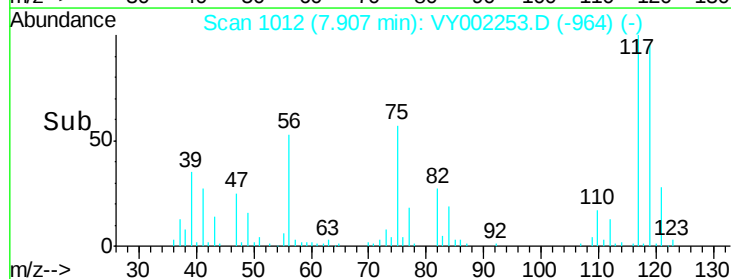
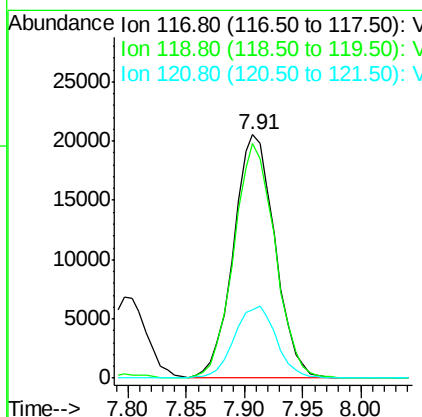
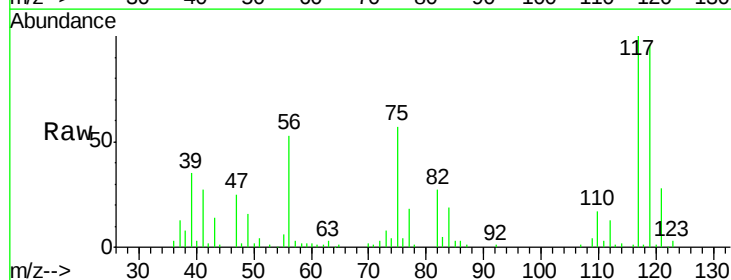
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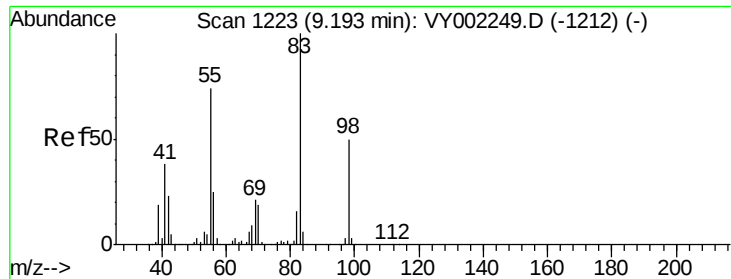
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4/9/2020 11:32:11 AM



#38
Carbon Tetrachloride
Concen: 20.998 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
121	27.9	23.9	35.9





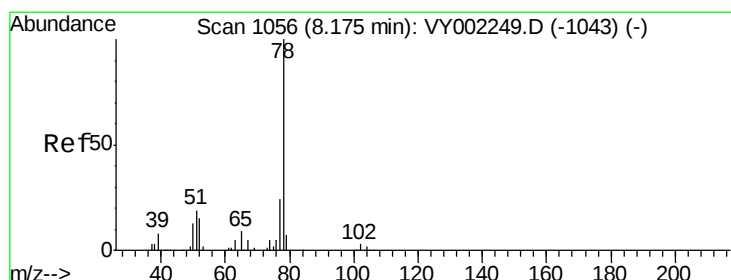
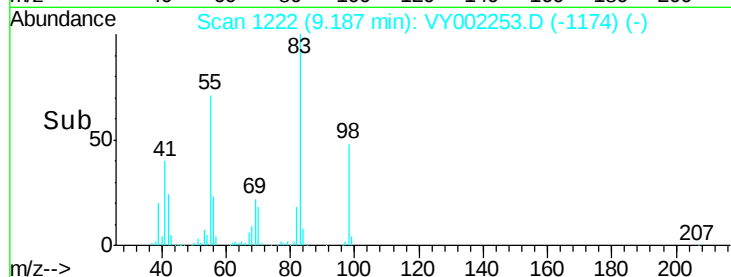
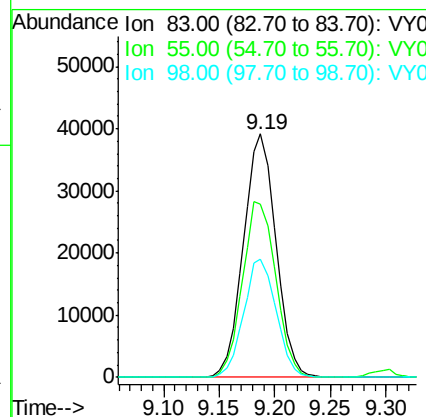
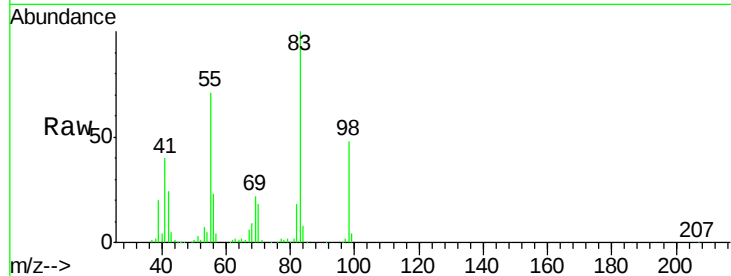
#39
Methvlcvclohexane
Concen: 20.675 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.3	88.9
98	48.3	39.6	59.4

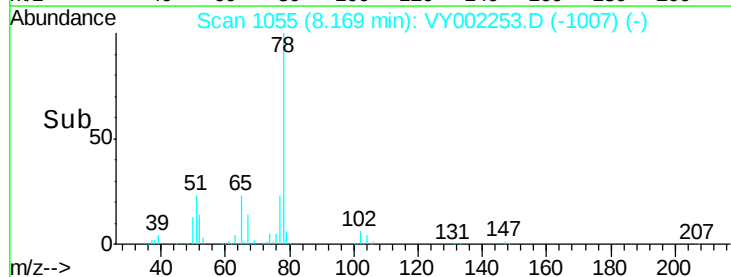
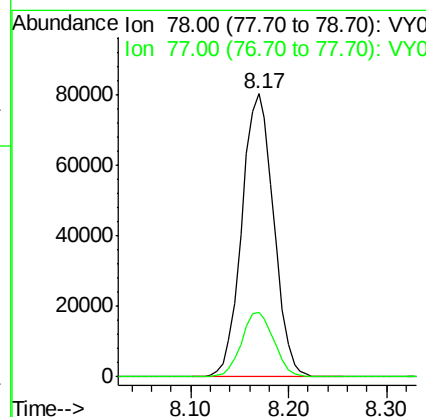
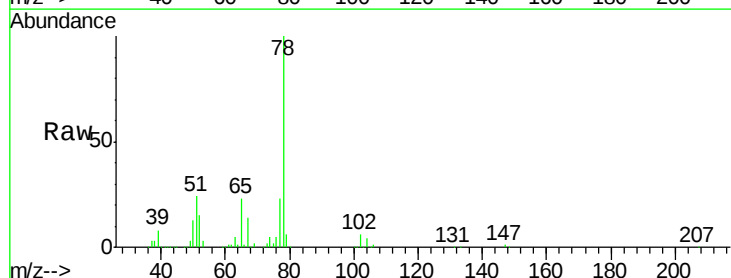
Manual Integrations
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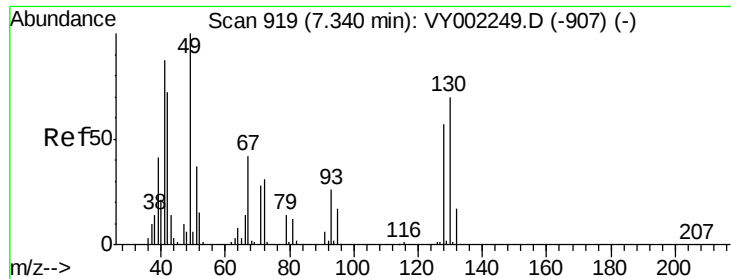
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#40
Benzene
Concen: 21.073 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





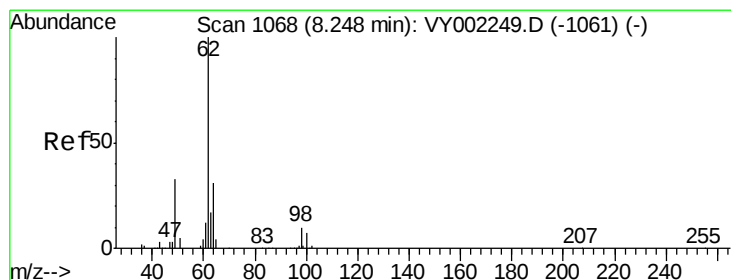
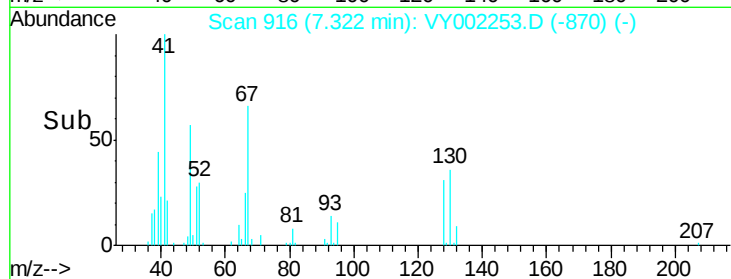
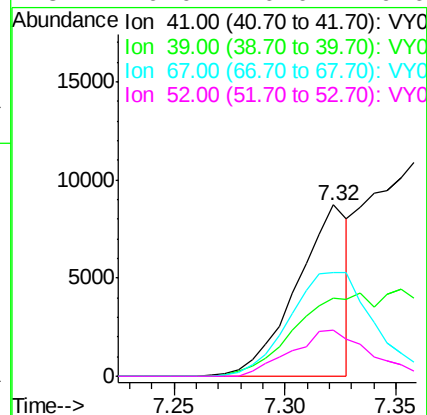
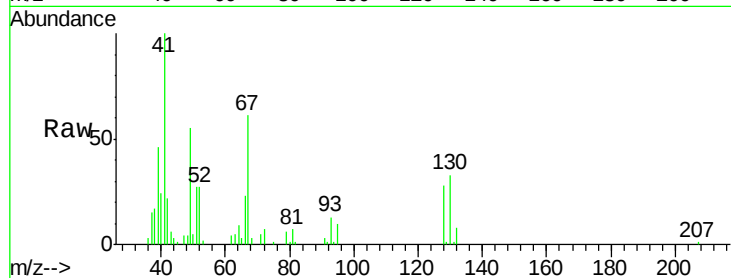
#41
Methacrylonitrile
Concen: 15.178 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	41	Resp	14474
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

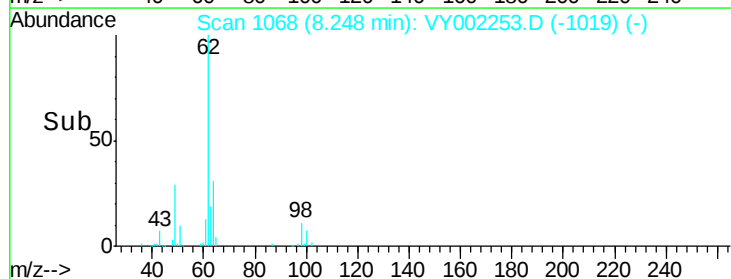
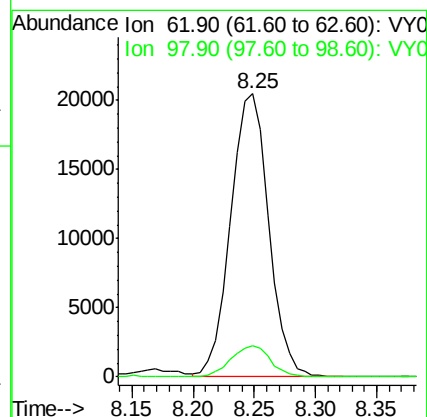
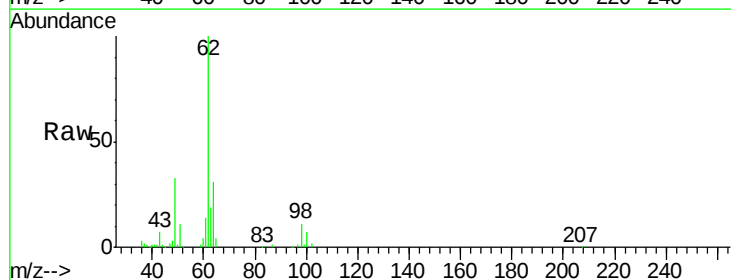
Manual Integrations
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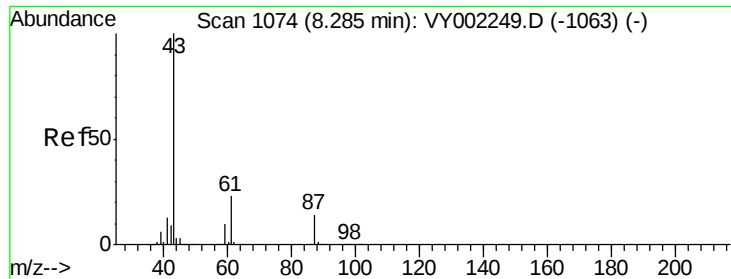
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.778 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	62	Resp	44187
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.6





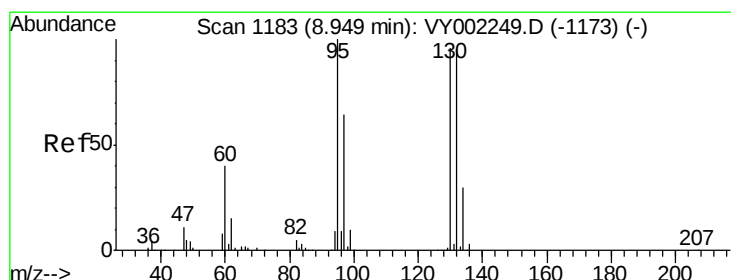
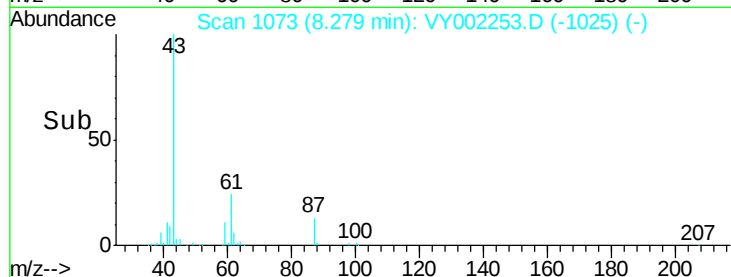
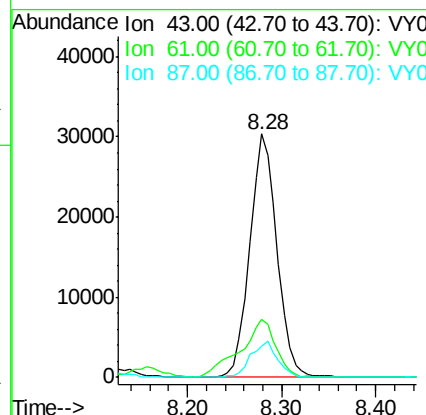
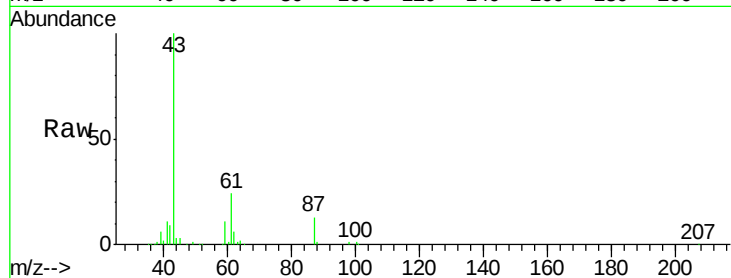
#43
Isopropyl Acetate
Concen: 20.774 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.9	37.3
87	14.4	11.7	17.5

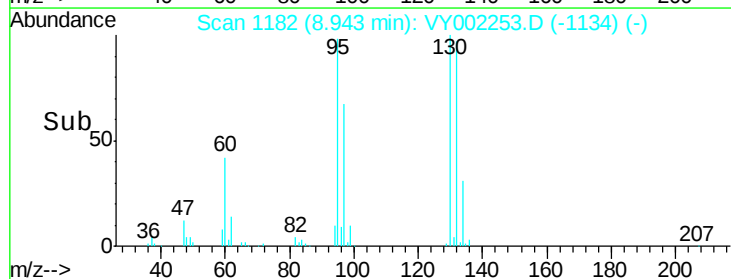
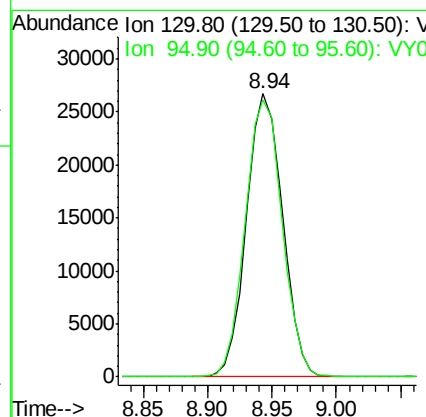
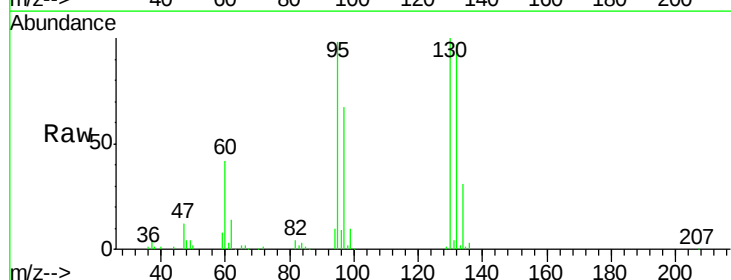
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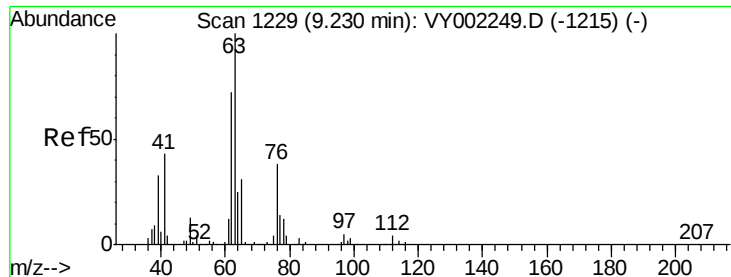
MMDadoda
4/9/2020 11:32:11 AM



#44
Trichloroethene
Concen: 20.544 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	208.2





#45

1,2-Dichloropropane

Concen: 21.226 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 63 Resp: 45214

Ion Ratio Lower Upper

63 100

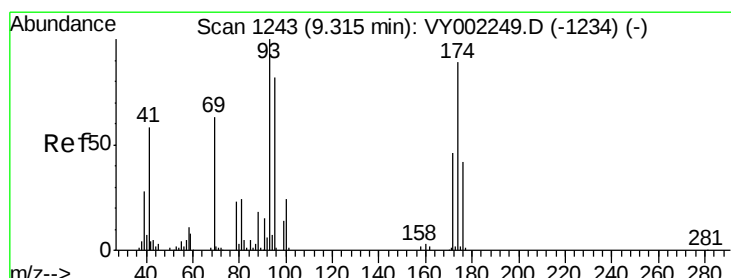
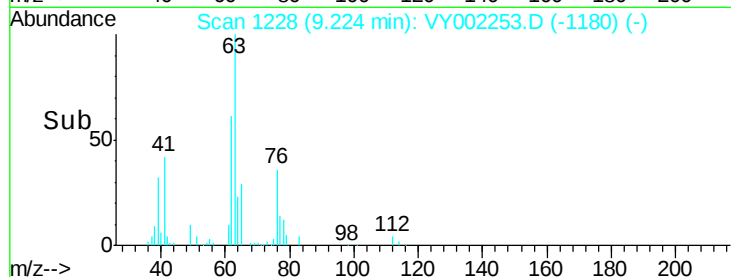
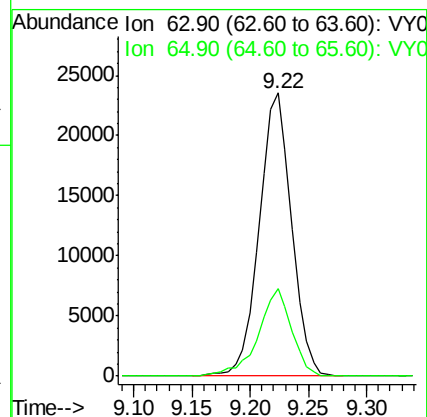
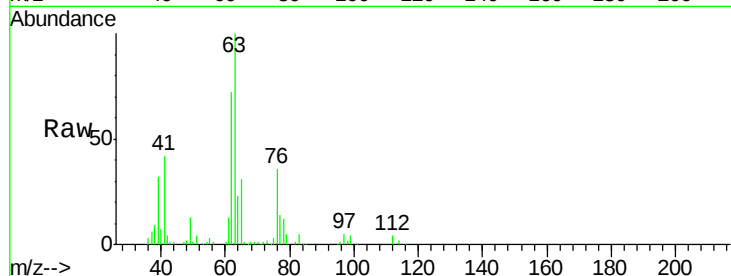
65 31.0 24.6 37.0

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#46

Dibromomethane

Concen: 20.488 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

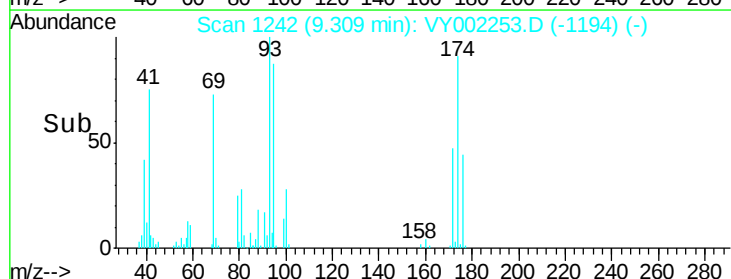
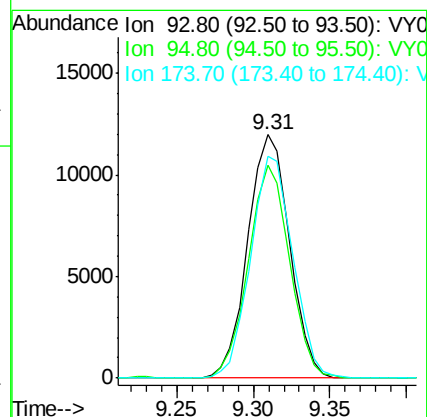
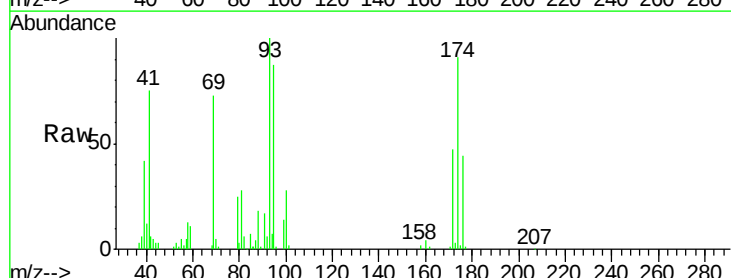
Tgt Ion: 93 Resp: 22818

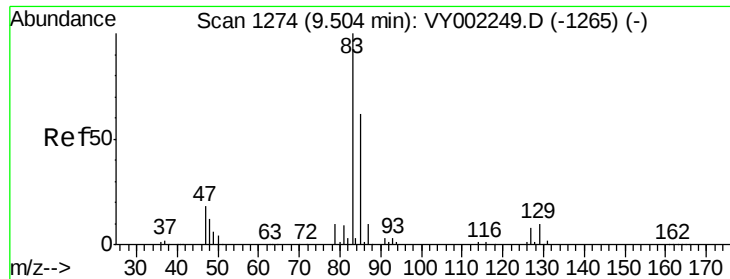
Ion Ratio Lower Upper

93 100

95 86.2 67.3 100.9

174 91.7 72.5 108.7





#47

Bromodichloromethane

Concen: 20.901 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

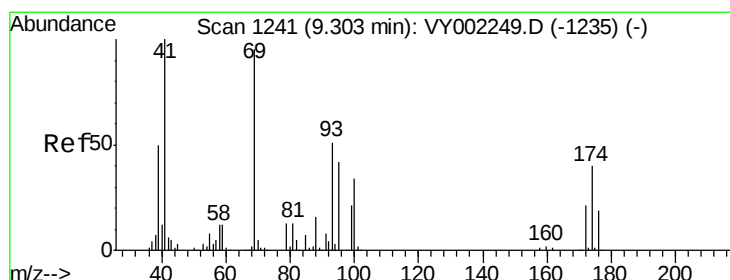
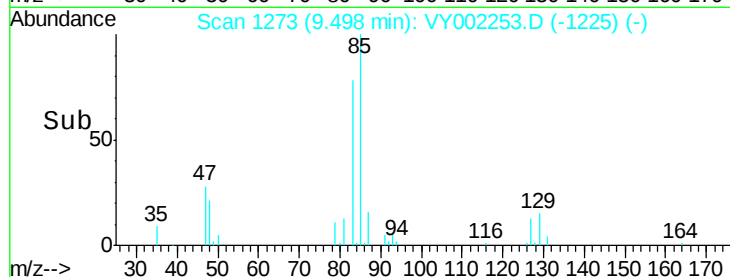
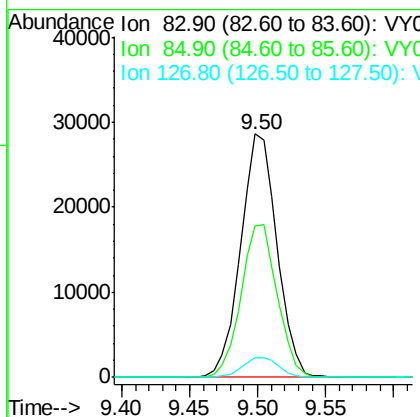
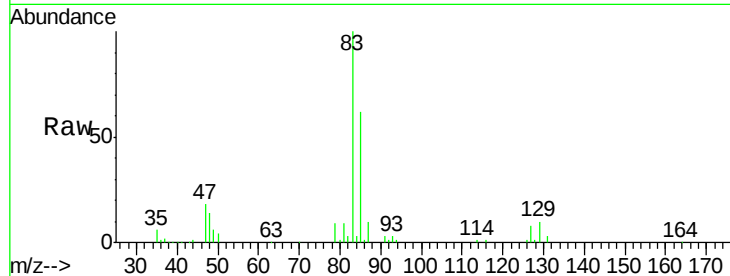
ClientSampleId :

VY0408SBS01

Tot Ion:	83	Resp:	53411
Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.7	74.5
127	8.1	6.2	9.4

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#48

Methyl methacrylate

Concen: 21.127 ug/l

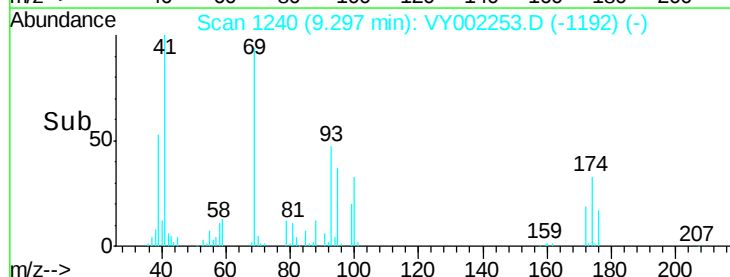
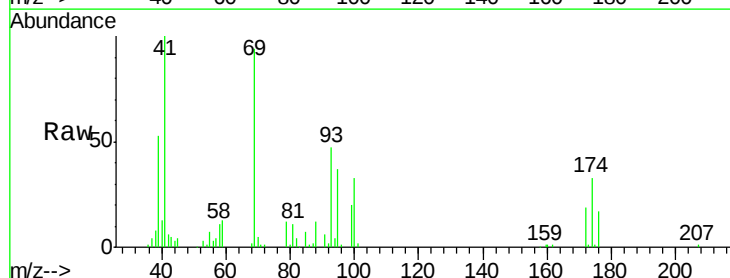
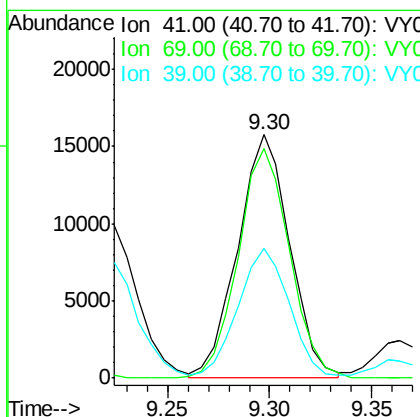
RT: 9.30 min Scan# 1240

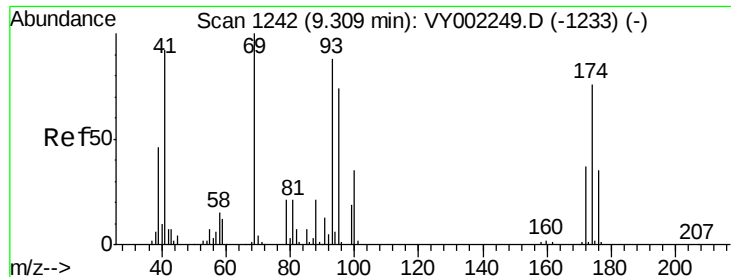
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	41	Resp:	27928
Ion	Ratio	Lower	Upper
41	100		
69	93.4	76.7	115.1
39	50.7	40.5	60.7





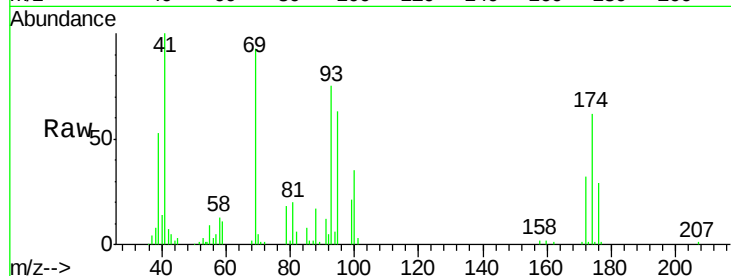
#49
1,4-Dioxane
Concen: 410.617 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

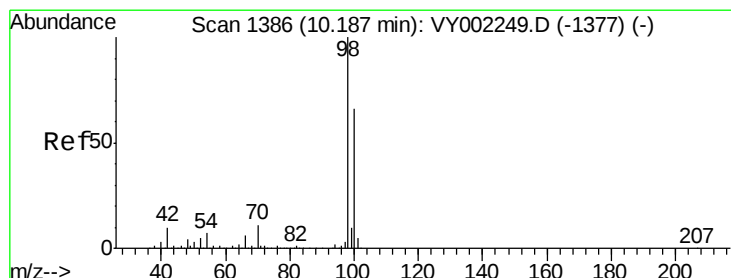
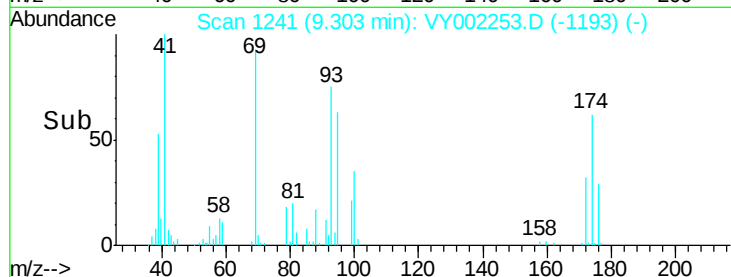
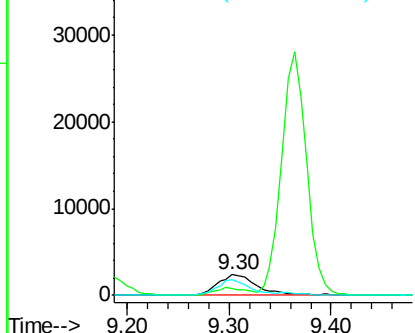
Tot Ion	88	Resp	6469
Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.2	33.2
58	62.0	57.6	86.4

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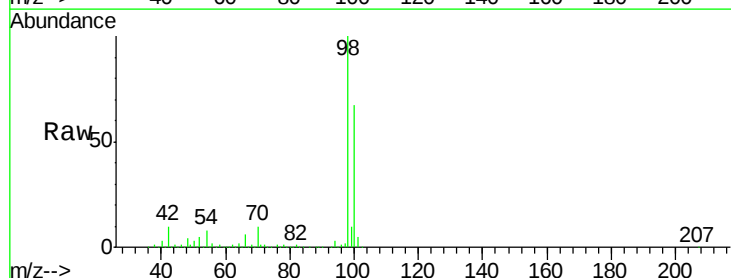


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

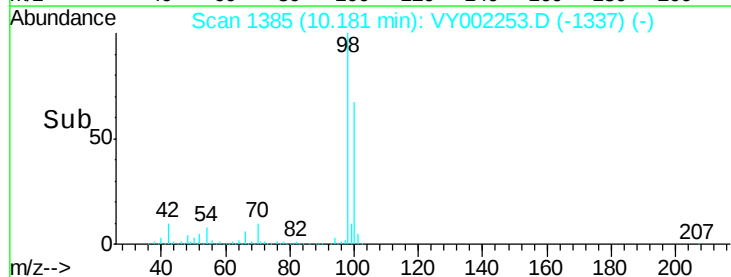
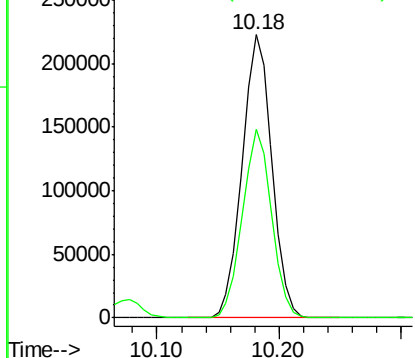


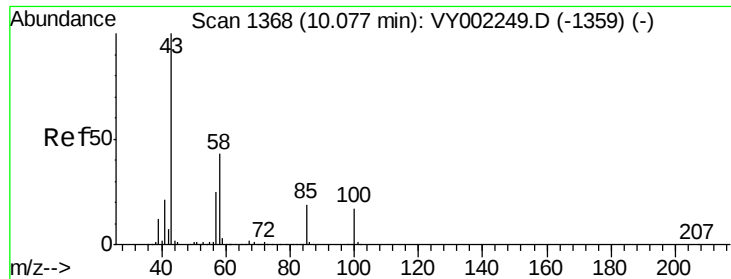
#50
Toluene-d8
Concen: 52.368 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	98	Resp	374680
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

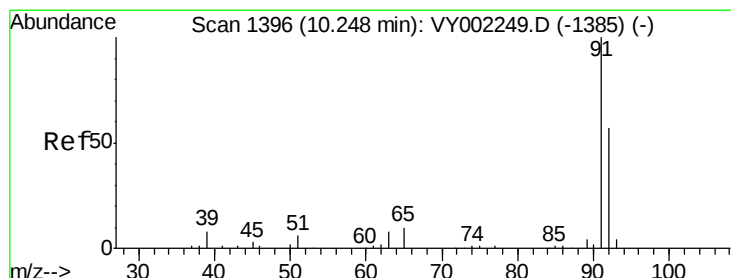
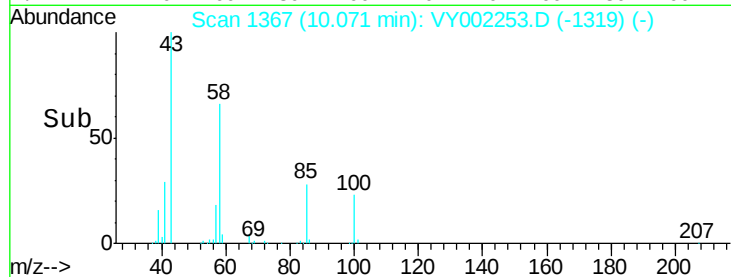
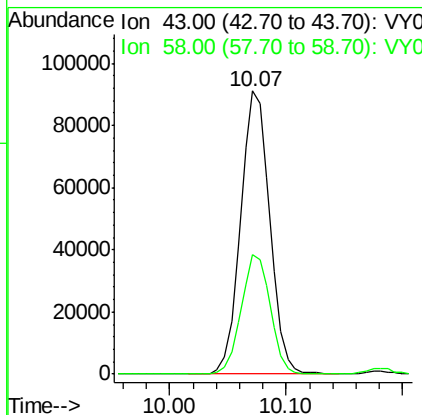
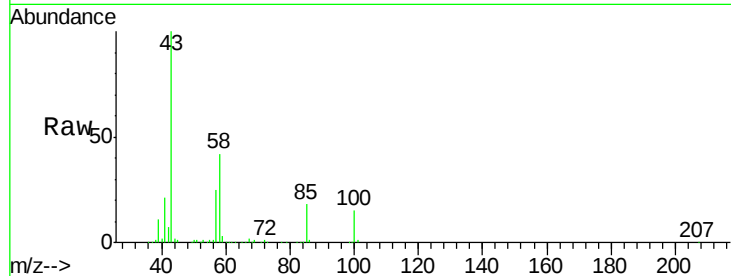
4-Methyl-2-Pentanone
Concen: 103.621 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	43	Resp	159183
Ion Ratio	43	100	
Lower	58	42.1	33.8
Upper			50.8

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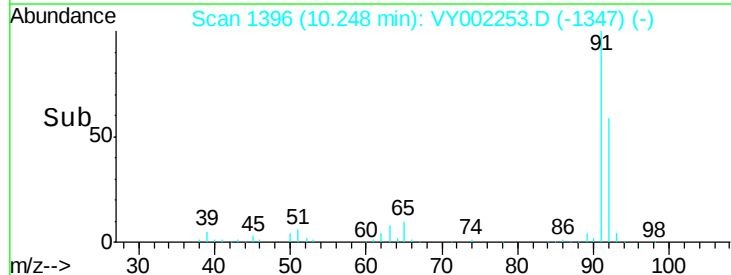
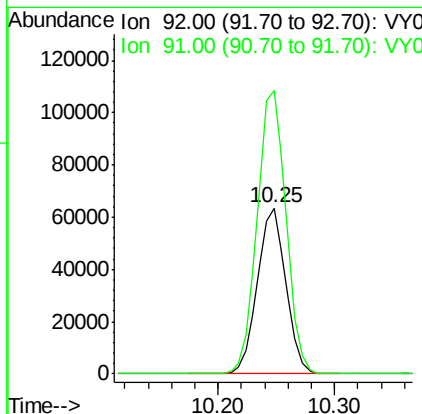
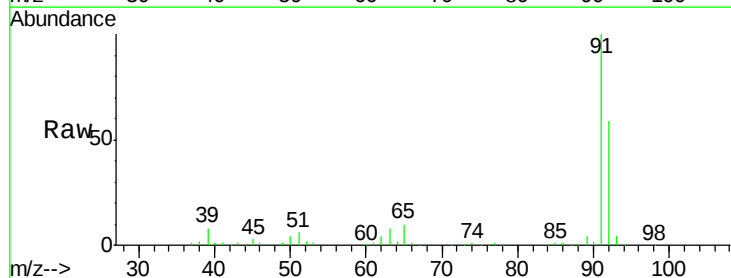
MMDadoda
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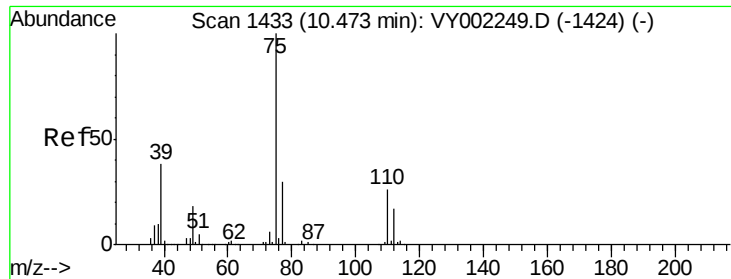


#52

Toluene
Concen: 20.898 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	92	Resp	108119
Ion Ratio	92	100	
Lower	91	173.5	139.0
Upper			208.6





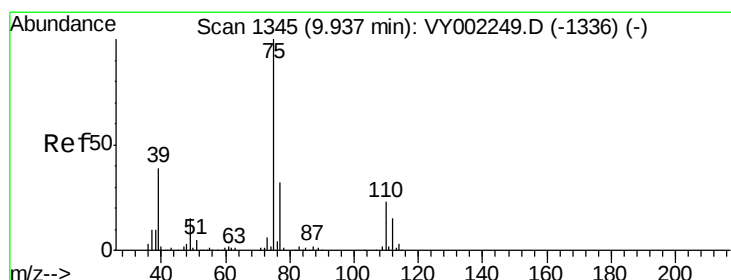
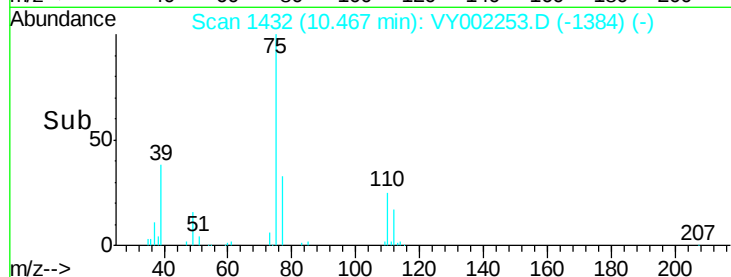
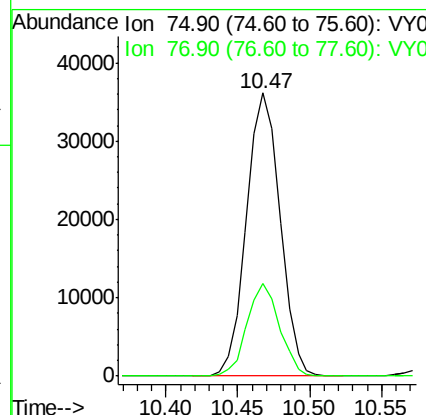
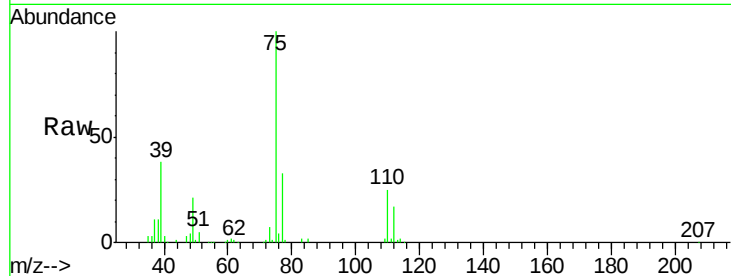
#53
 t-1,3-Dichloropropene
 Concen: 21.011 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion: 75 Resp: 58502
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.2 36.2

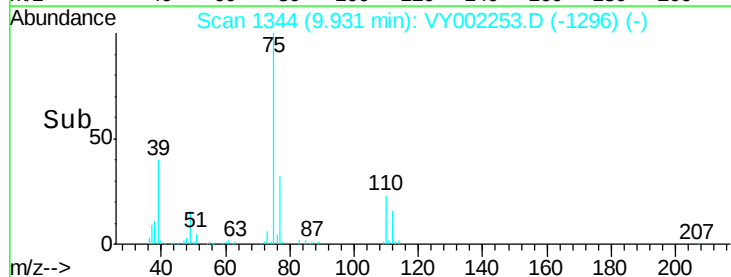
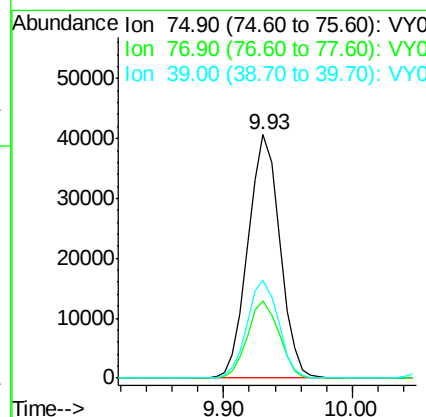
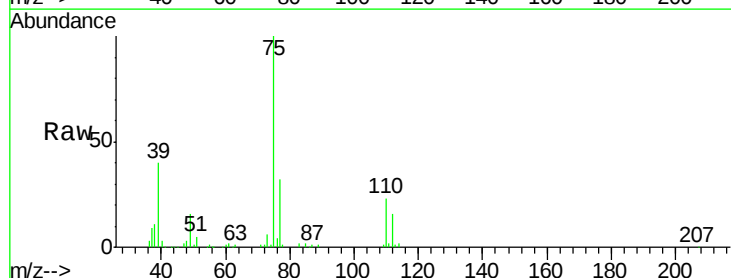
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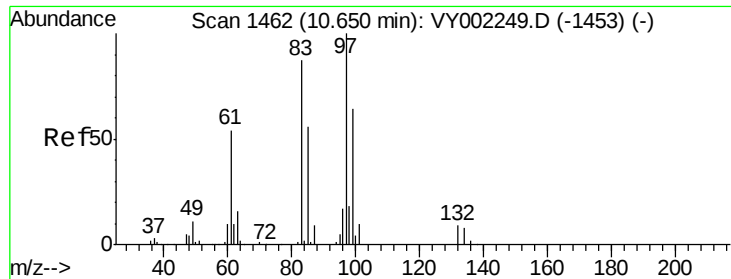
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#54
 cis-1,3-Dichloropropene
 Concen: 20.681 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion: 75 Resp: 69227
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 40.2 30.8 46.2





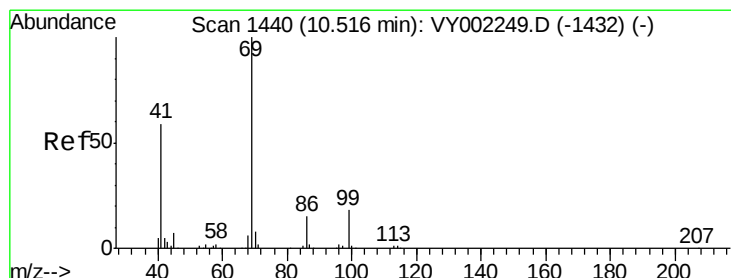
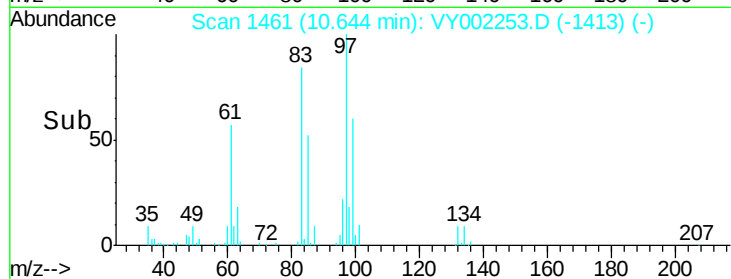
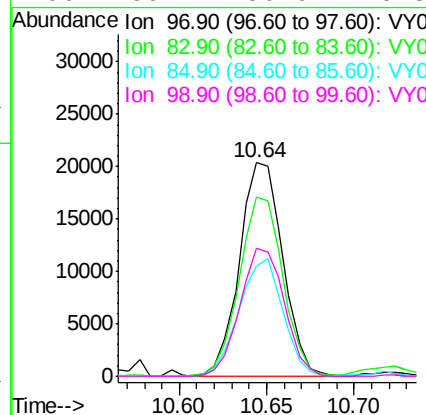
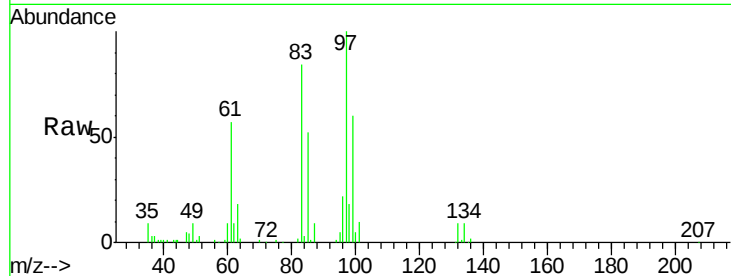
#55
 1,1,2-Trichloroethane
 Concen: 21.516 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion:	97	Resp:	35083
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.5	104.3
85	51.7	45.2	67.8
99	60.2	50.9	76.3

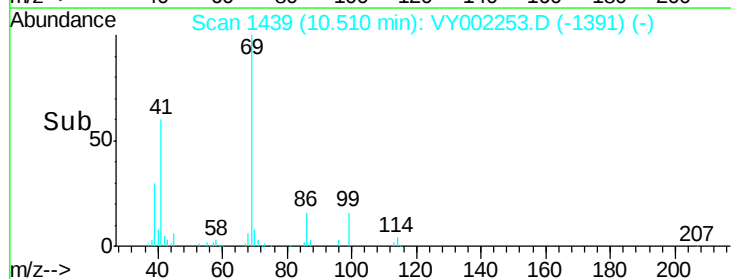
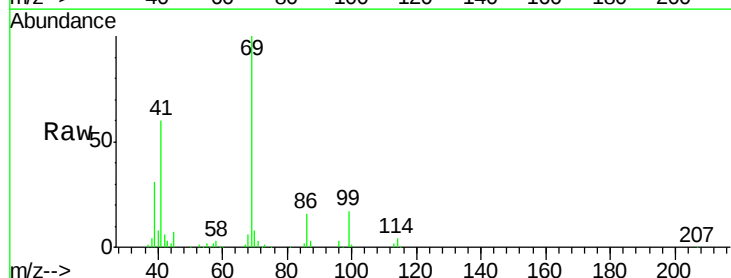
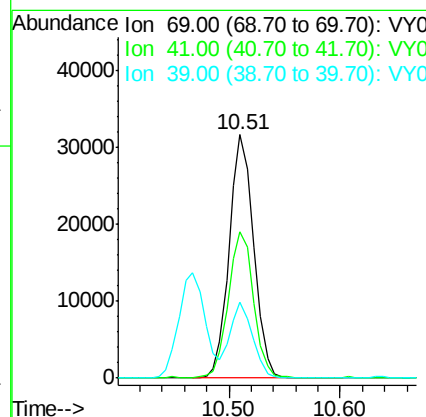
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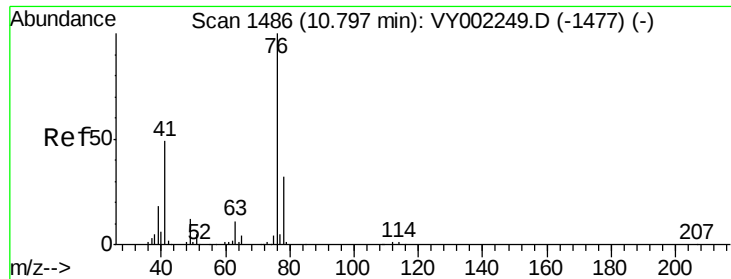
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#56
 Ethyl methacrylate
 Concen: 20.764 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion:	69	Resp:	48322
Ion	Ratio	Lower	Upper
69	100		
41	62.0	47.9	71.9
39	28.9	23.8	35.6





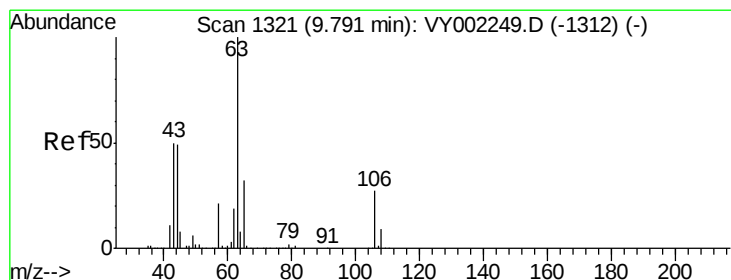
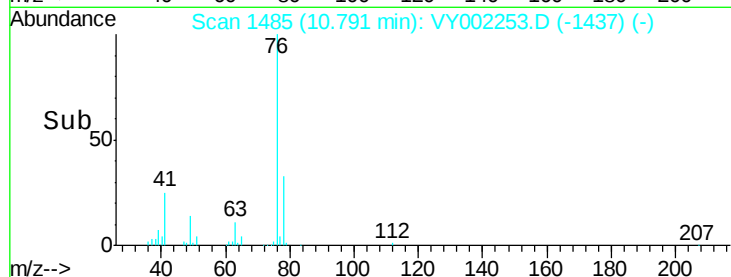
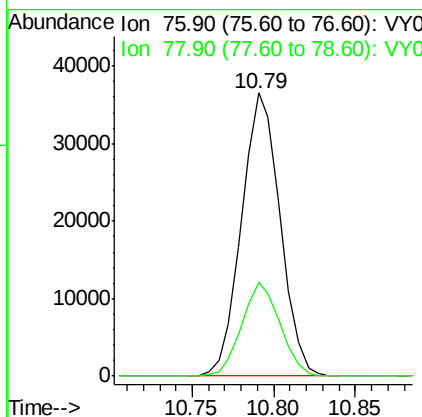
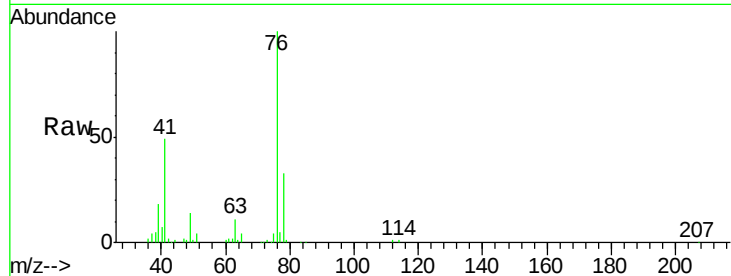
#57
 1,3-Dichloropropane
 Concen: 20.980 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

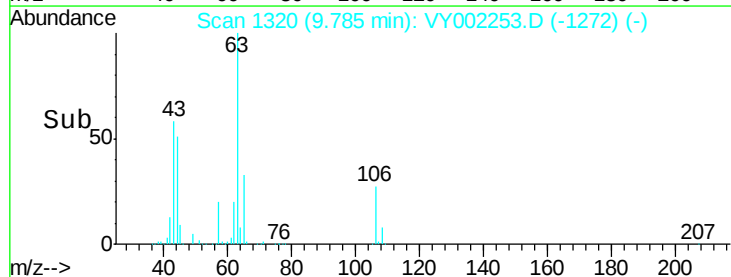
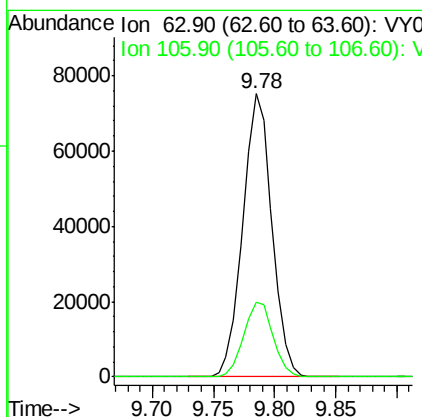
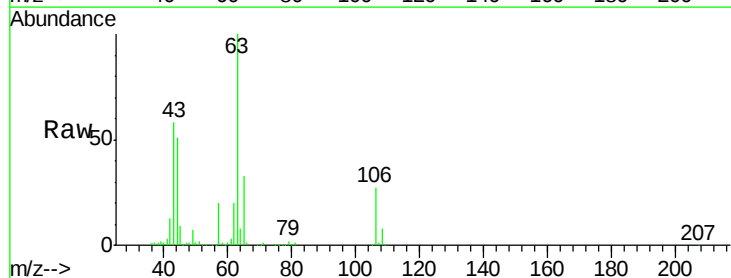
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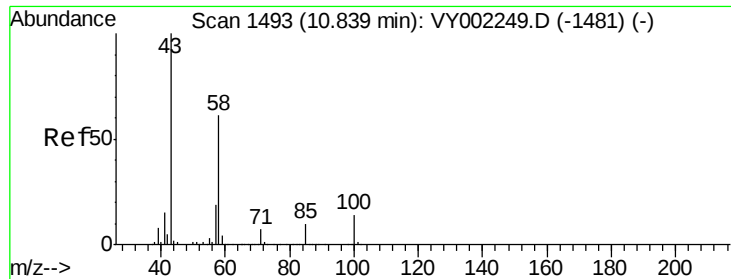
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.947 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	22.2	33.2





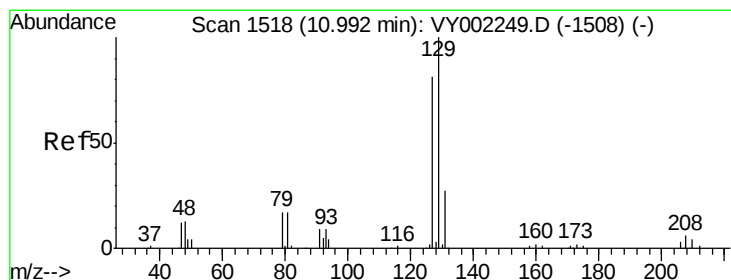
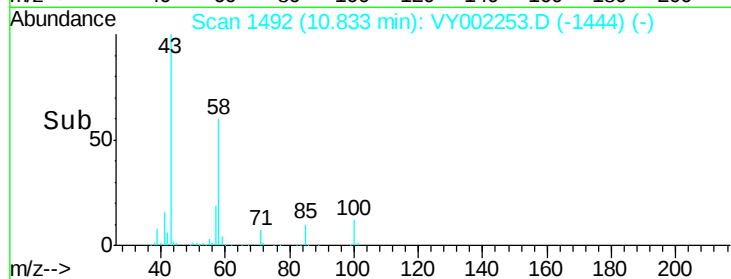
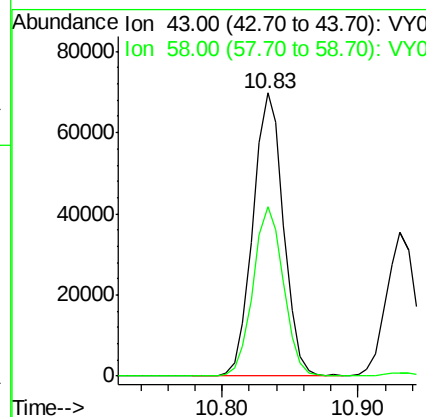
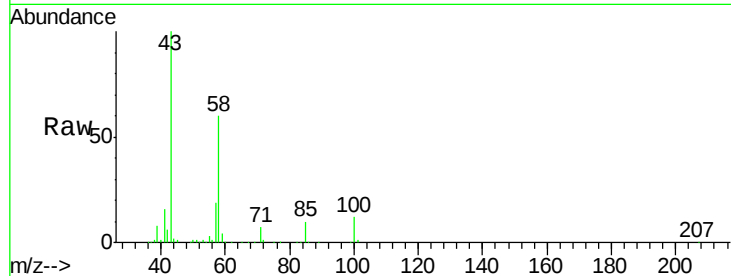
#59
2-Hexanone
Concen: 103.206 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	43	Resp	110035
Ion Ratio	43	100	
Lower	58	59.5	29.8
Upper			89.3

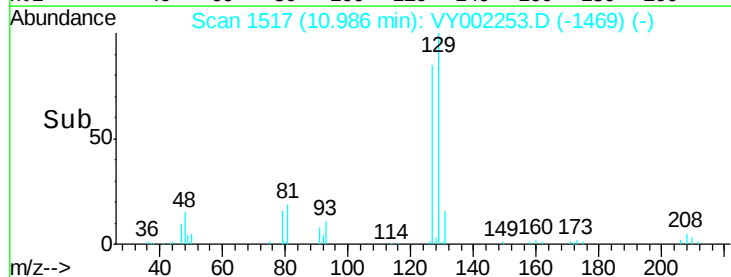
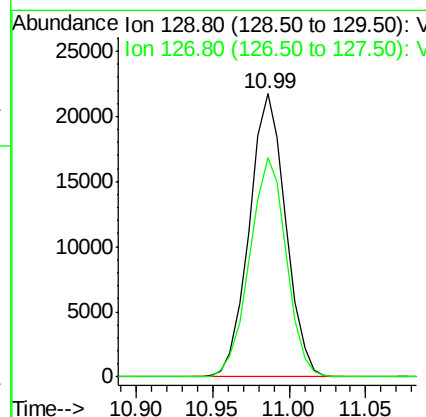
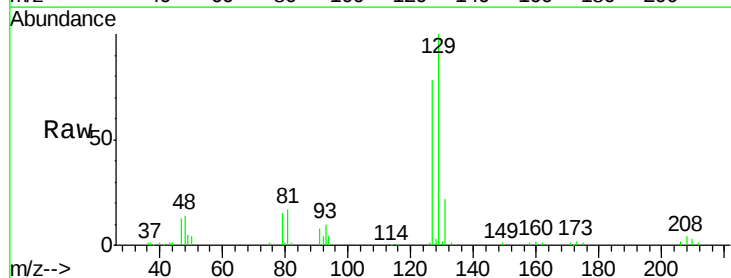
Manual Integrations
APPROVED

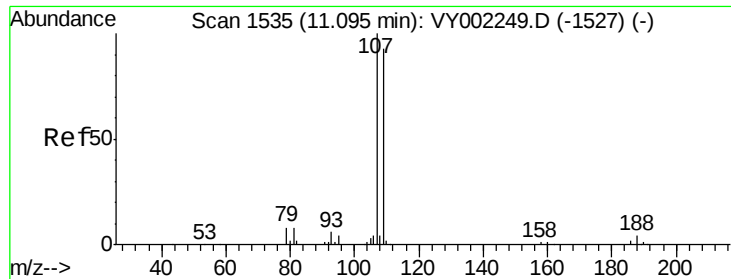
MMDadoda
4/9/2020 11:32:11 AM



#60
Dibromochloromethane
Concen: 20.636 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	129	Resp	35879
Ion Ratio	129	100	
Lower	127	77.9	39.0
Upper			117.0





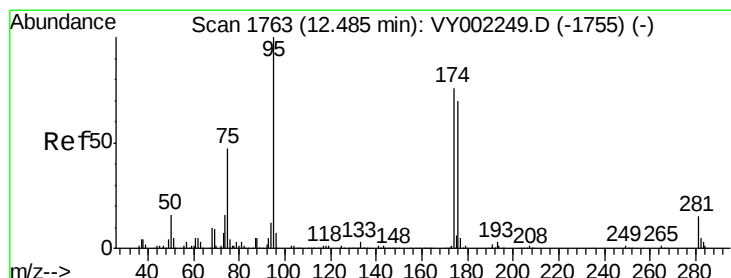
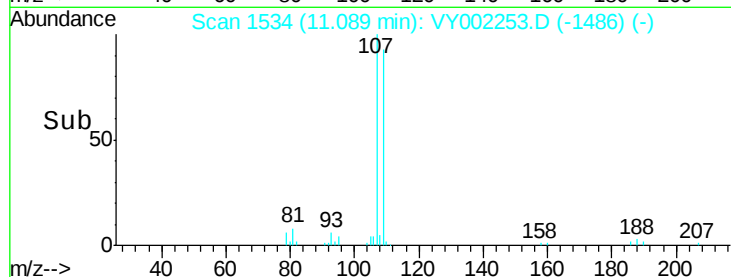
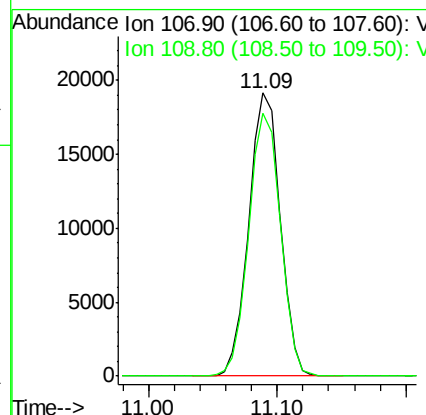
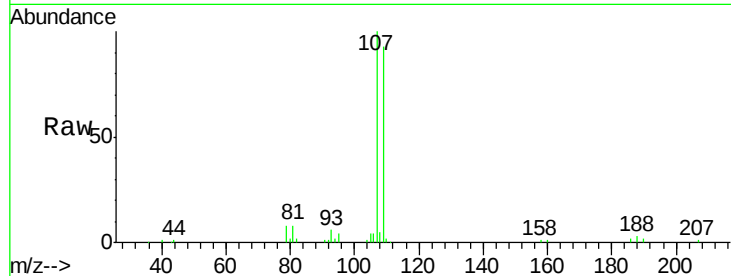
#61
 1,2-Dibromoethane
 Concen: 20.702 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.6	113.4

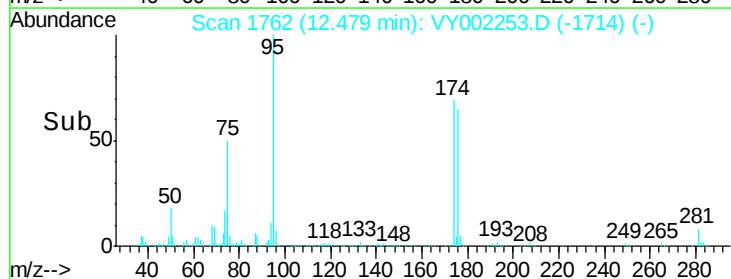
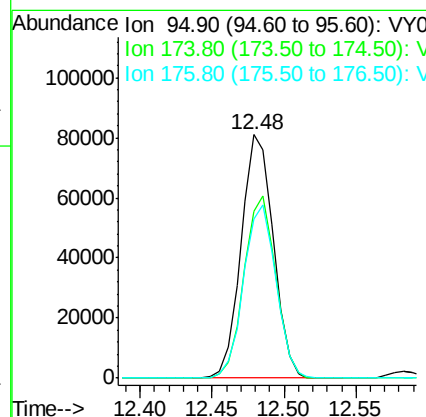
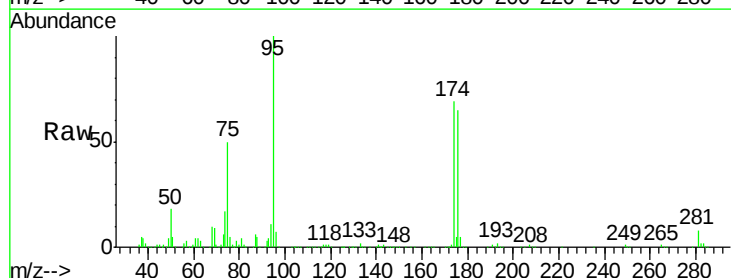
Manual Integrations
 APPROVED

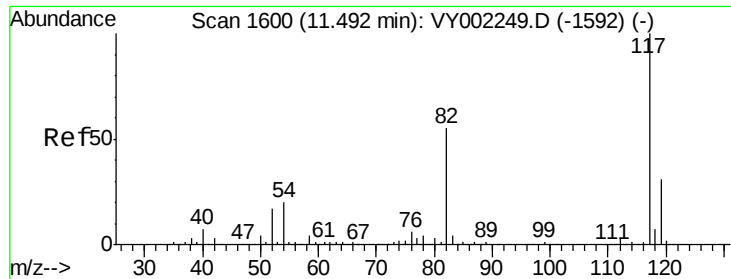
MMDadoda
 4/9/2020 11:32:11 AM



#62
 4-Bromofluorobenzene
 Concen: 53.342 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.6
176	71.2	0.0	141.4





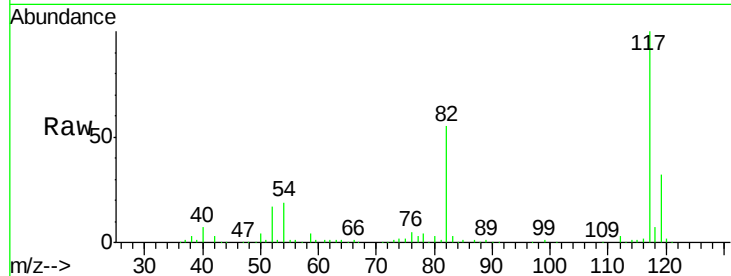
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.2	66.4
119	32.5	25.1	37.7

Manual Integrations
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MMDadoda
4/9/2020 11:32:11 AM

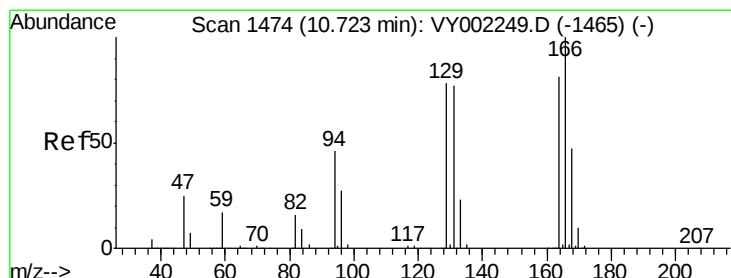
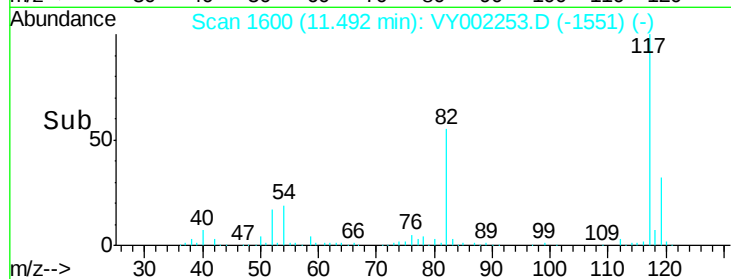
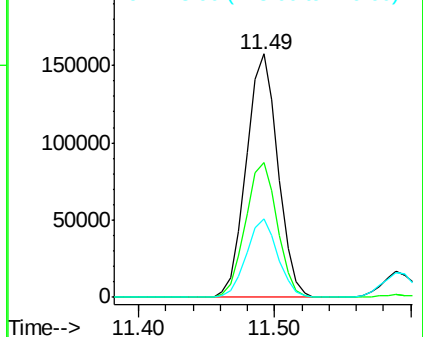


Abundance

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: 21.103 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	98.4	147.6
129	96.7	76.6	115.0
131	94.6	75.4	113.2

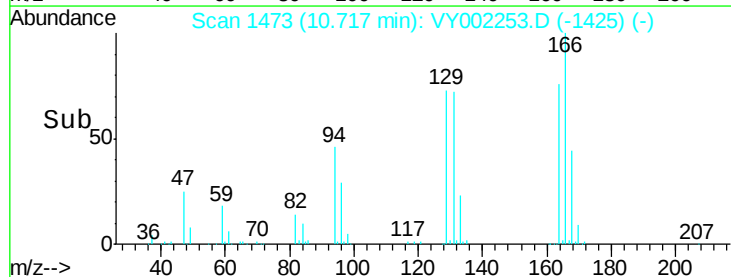
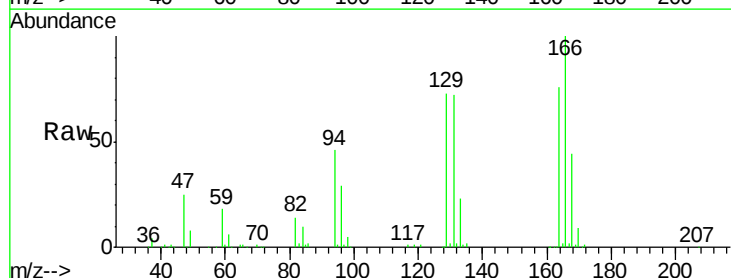
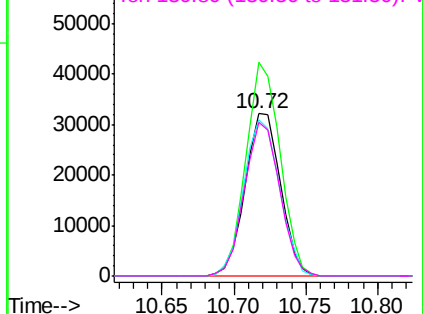
Abundance

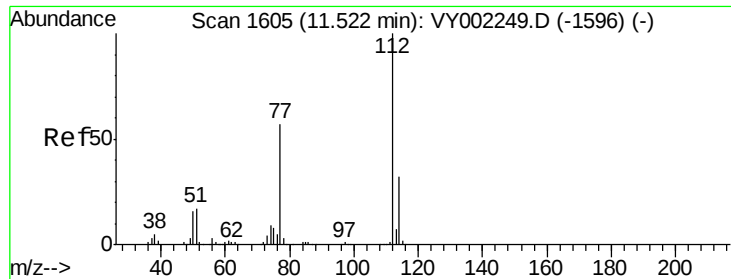
Ion 163.80 (163.50 to 164.50): V

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





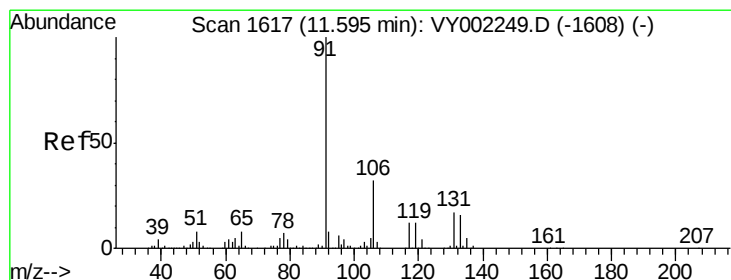
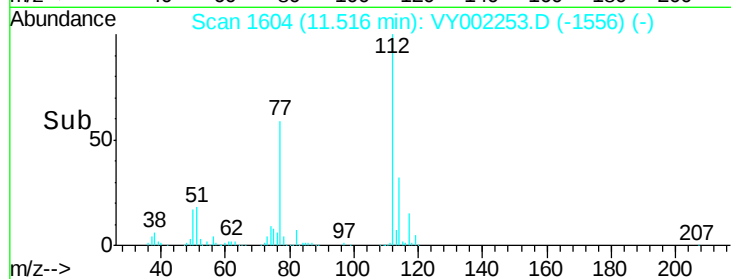
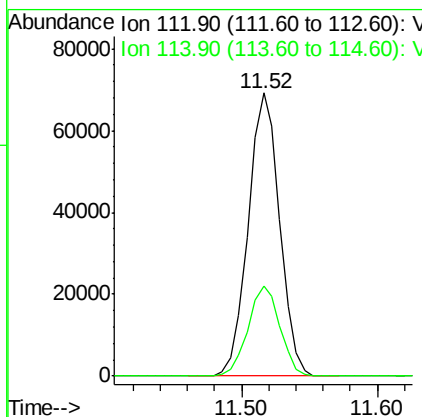
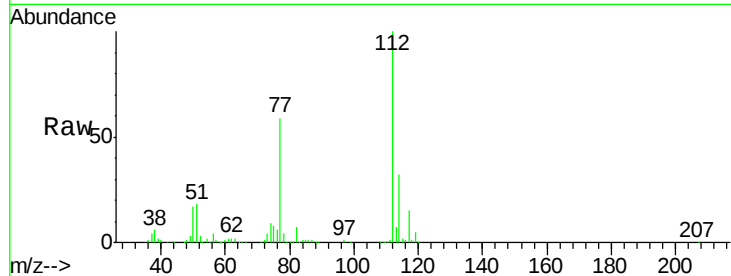
#65
Chlorobenzene
Concen: 21.015 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

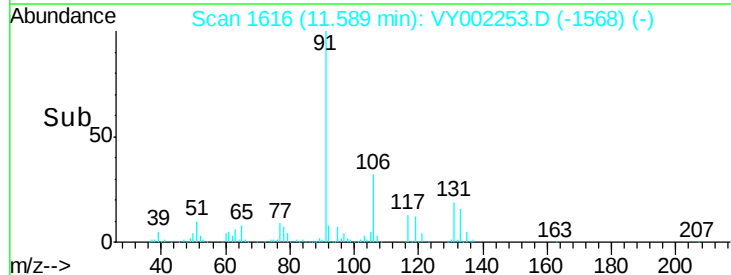
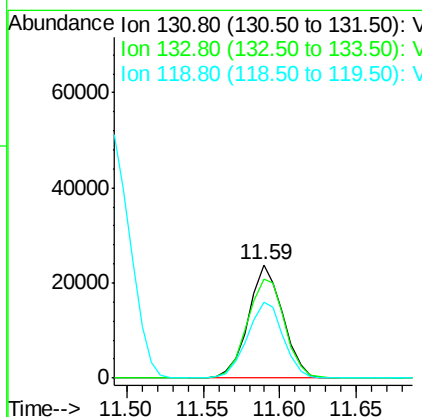
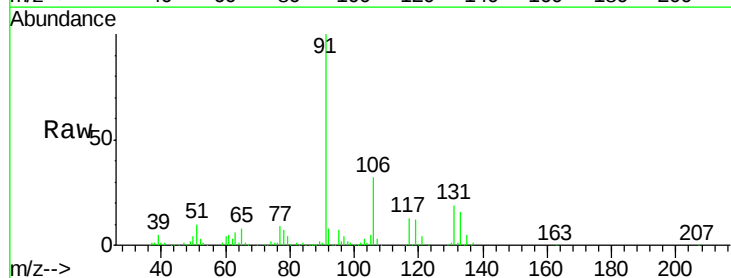
Manual Integrations
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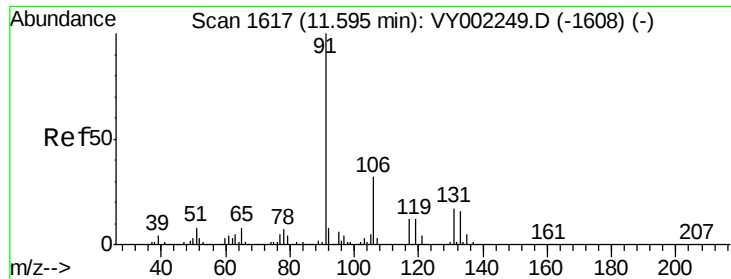
MMDadoda
4/9/2020 11:32:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.140 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.5	139.3
119	70.0	34.5	103.6





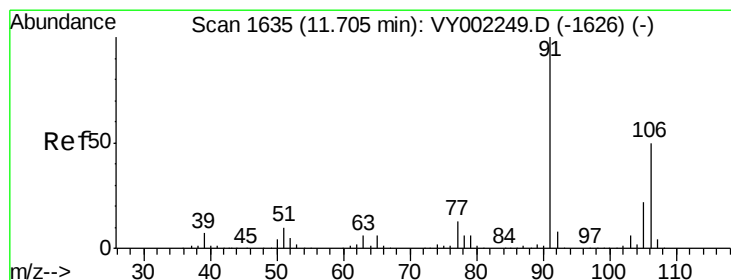
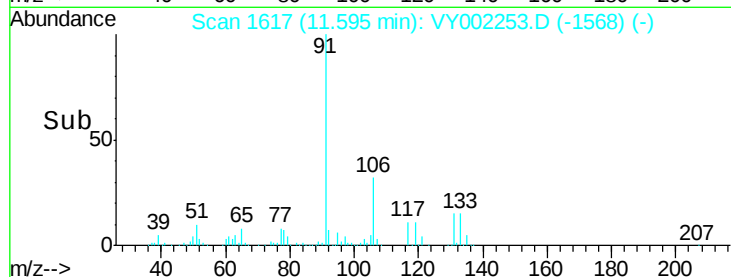
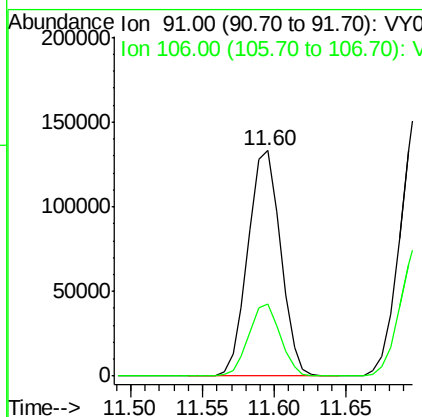
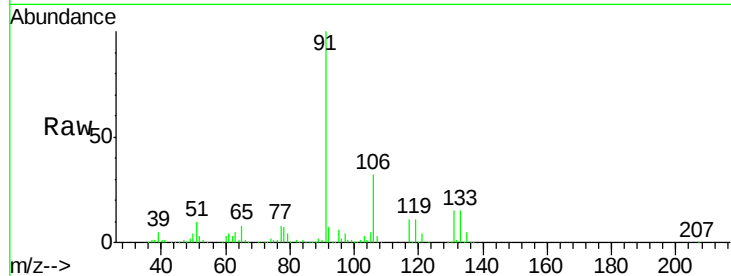
#67
Ethyl Benzene
Concen: 21.417 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.4	38.0

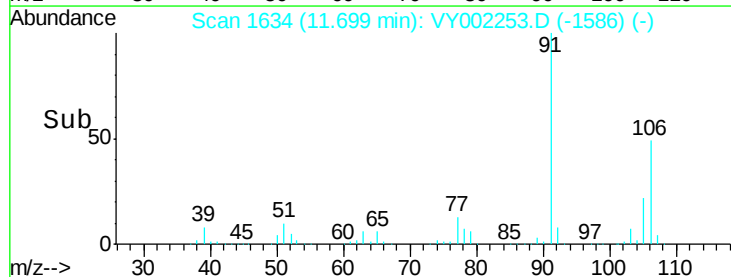
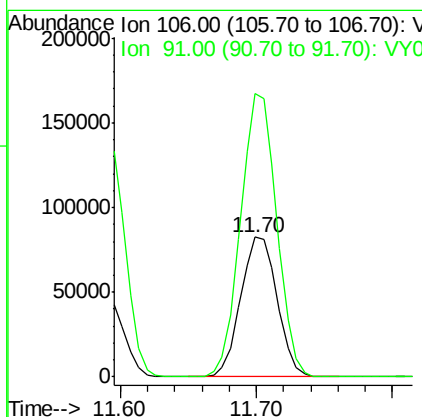
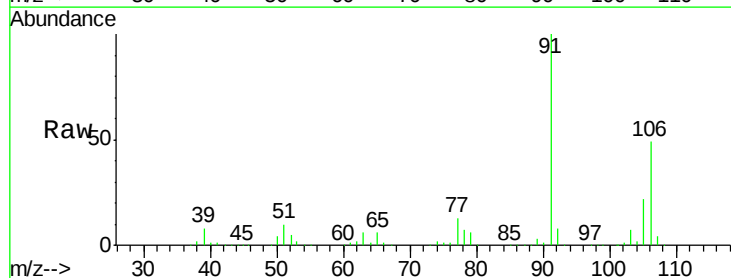
Manual Integrations
APPROVED

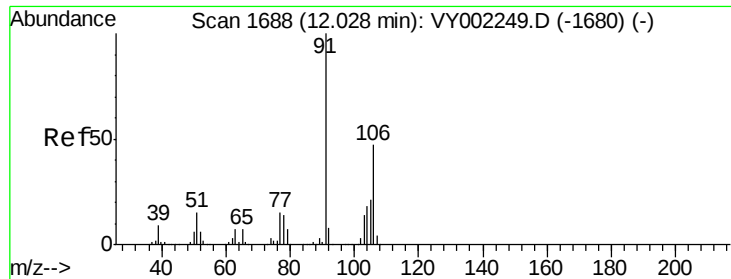
MMDadoda
4/9/2020 11:32:11 AM



#68
m/p-Xylenes
Concen: 42.295 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.5	159.8	239.6





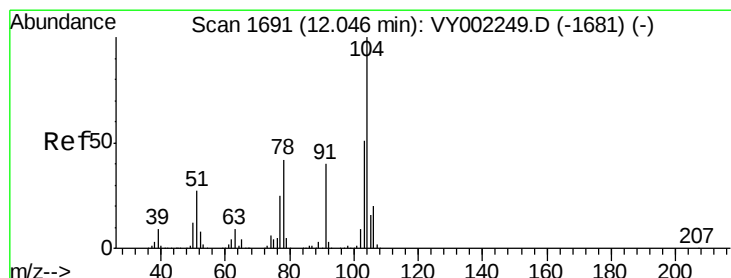
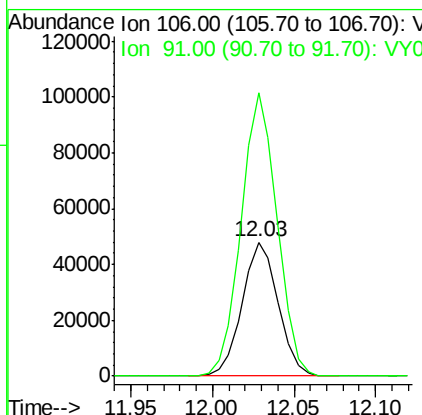
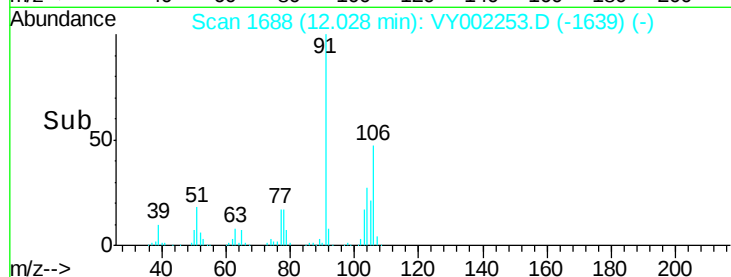
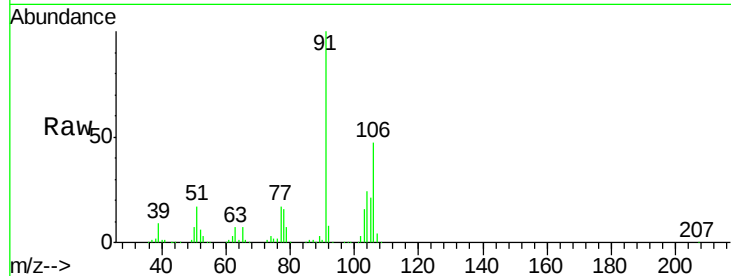
#69
o-Xylene
Concen: 21.436 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion:106 Resp: 73529
Ion Ratio Lower Upper
106 100
91 210.9 105.8 317.3

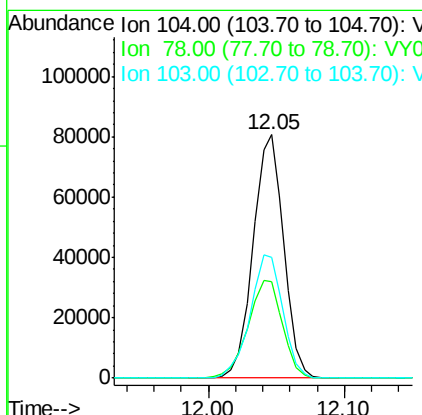
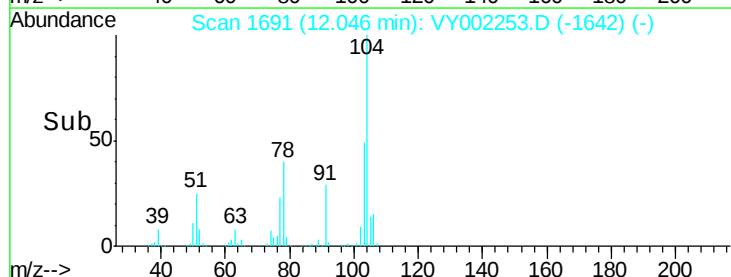
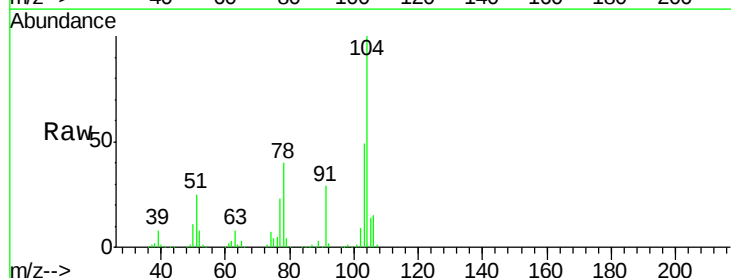
Manual Integrations
APPROVED

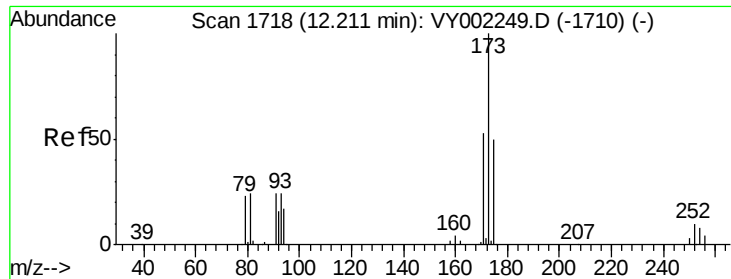
MMDadoda
4/9/2020 11:32:11 AM



#70
Styrene
Concen: 21.347 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion:104 Resp: 127040
Ion Ratio Lower Upper
104 100
78 45.3 37.2 55.8
103 54.1 43.4 65.0





#71

Bromoform

Concen: 21.207 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion:173 Resp: 20289

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.3

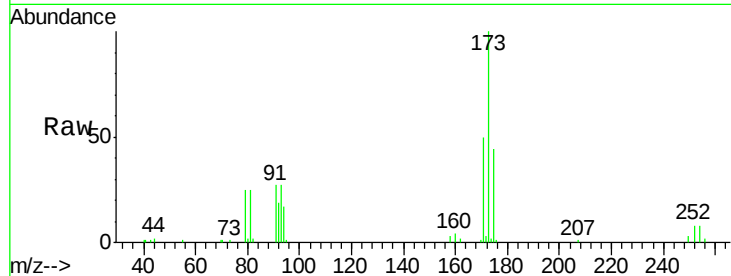
254 0.0 0.0 0.0

Manual Integrations

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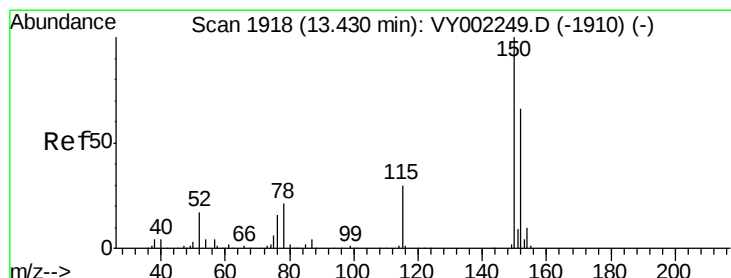
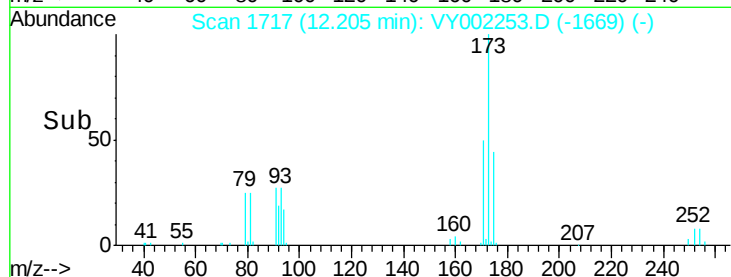
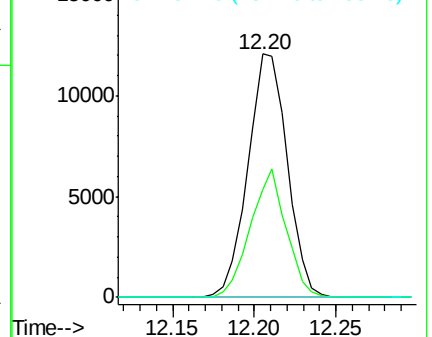
4/9/2020 11:32:11 AM



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. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

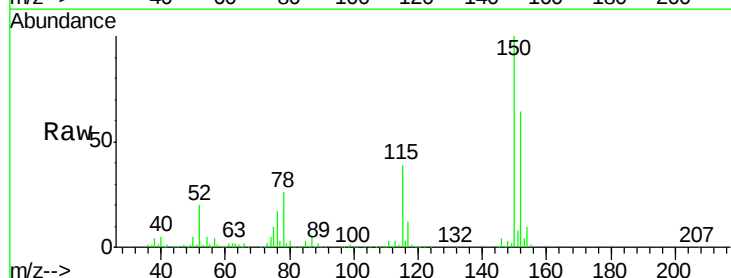
Tgt Ion:152 Resp: 120713

Ion Ratio Lower Upper

152 100

115 60.3 30.7 92.1

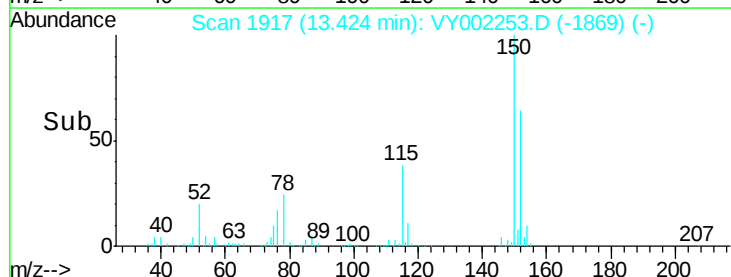
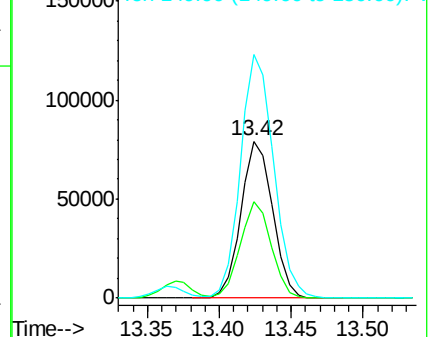
150 162.6 0.0 350.6

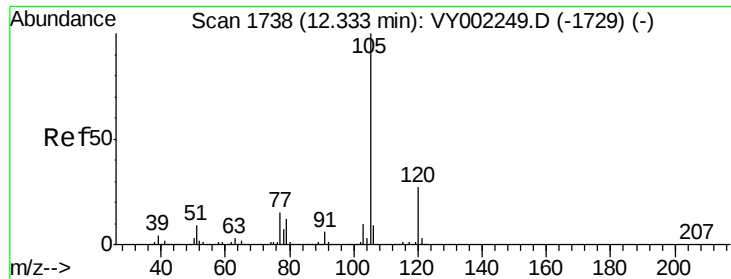


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.519 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 105 Resp: 194586

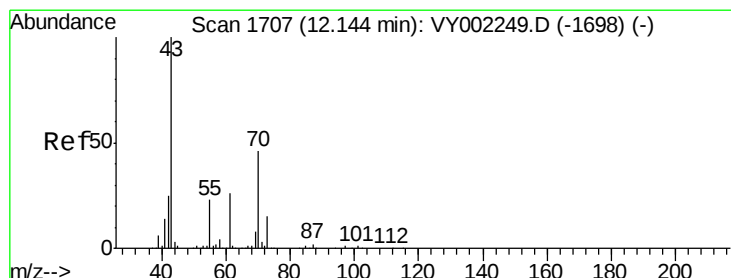
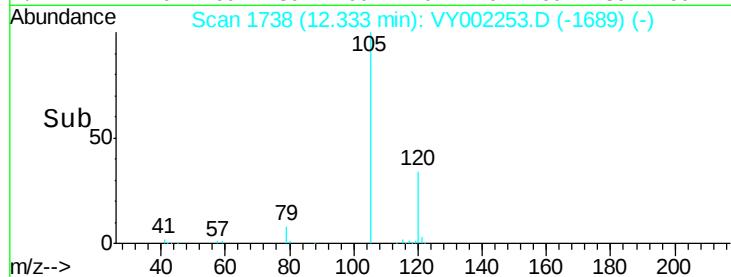
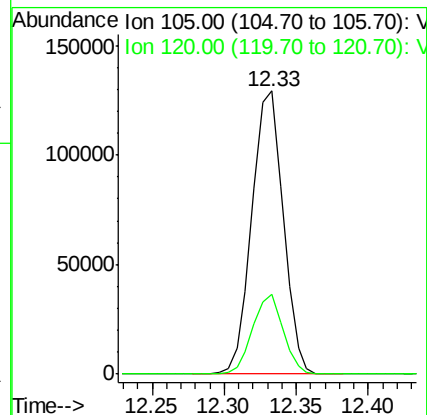
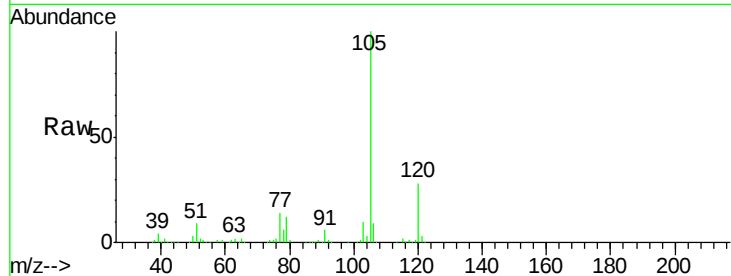
Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.280 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion: 43 Resp: 54593

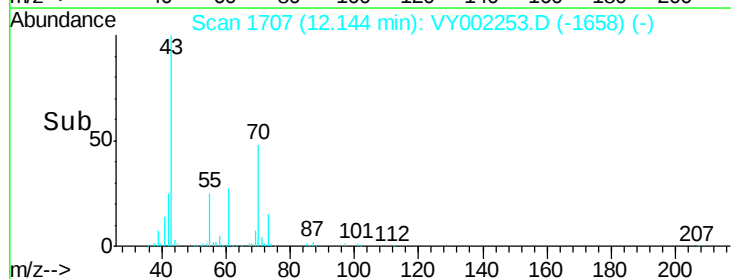
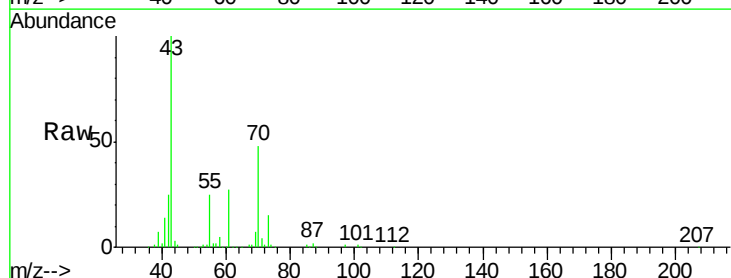
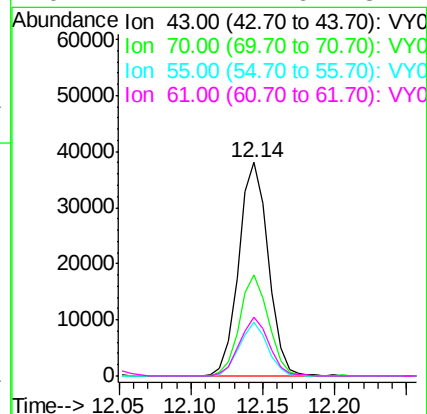
Ion Ratio Lower Upper

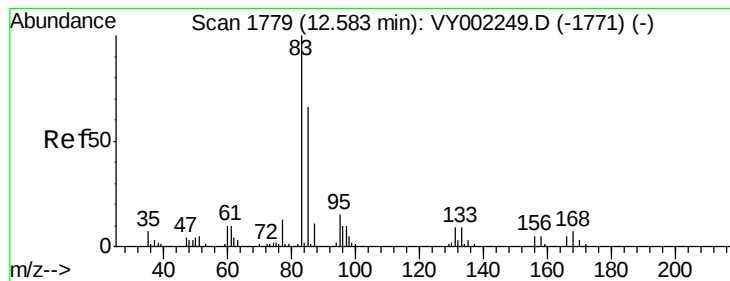
43 100

70 46.3 37.5 56.3

55 24.1 19.0 28.6

61 27.1 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.965 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

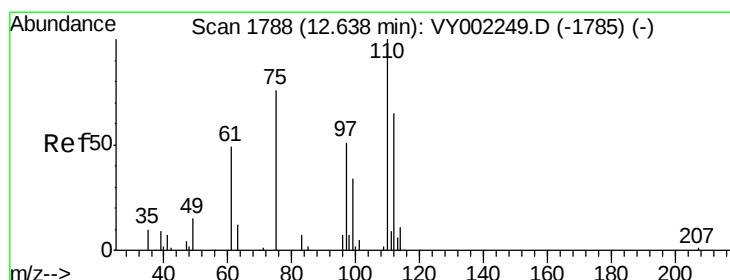
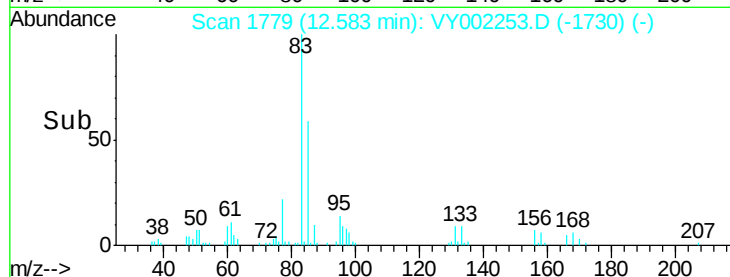
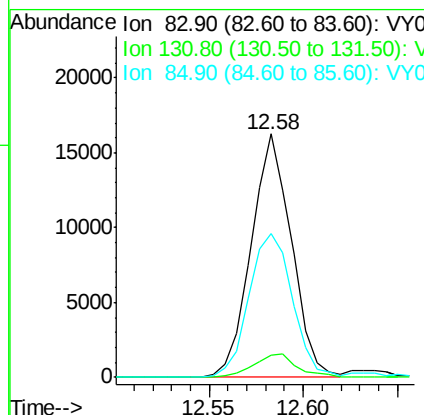
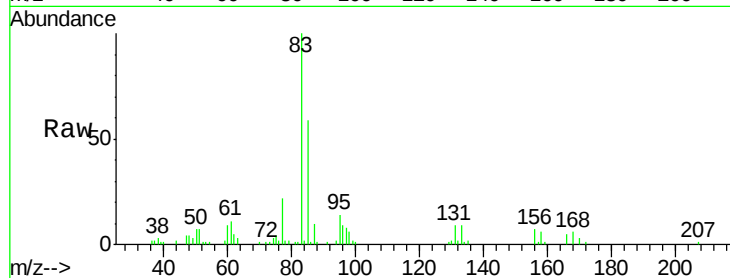
ClientSampleId :

VY0408SBS01

Tot Ion:	83	Resp:	24055
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	63.8	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.908 ug/l m

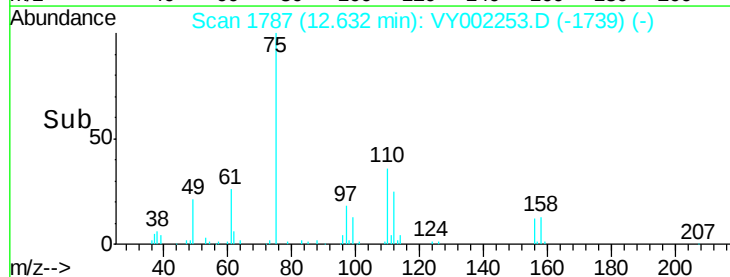
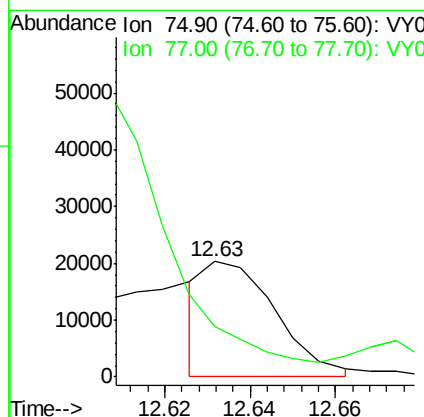
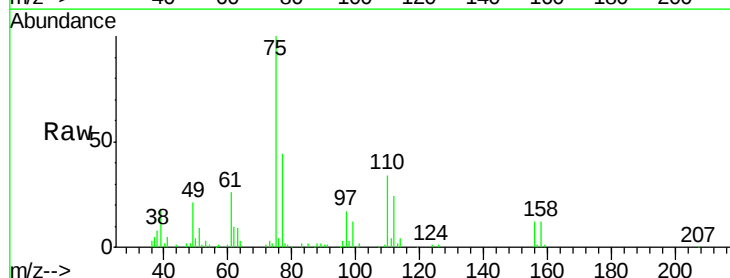
RT: 12.63 min Scan# 1787

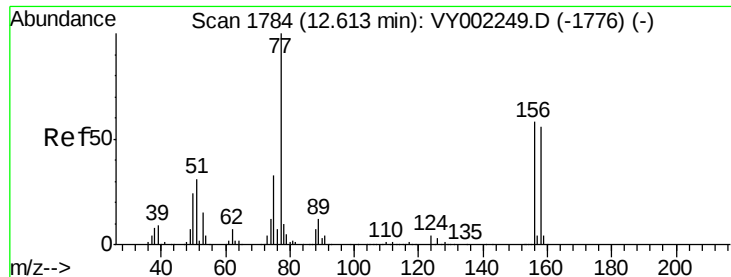
Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	75	Resp:	23701
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.423 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion:156 Resp: 42610

Ion Ratio Lower Upper

156 100

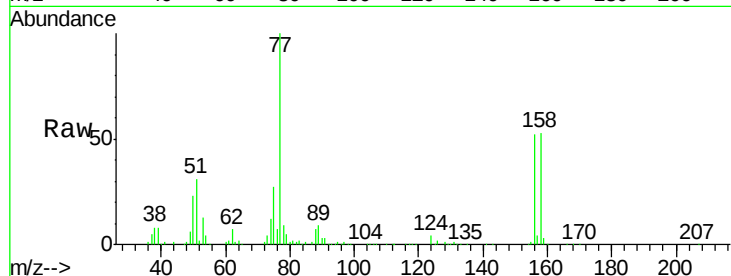
77 204.9 101.3 303.9

158 94.4 48.3 144.8

Manual Integrations
APPROVED

MMDadoda

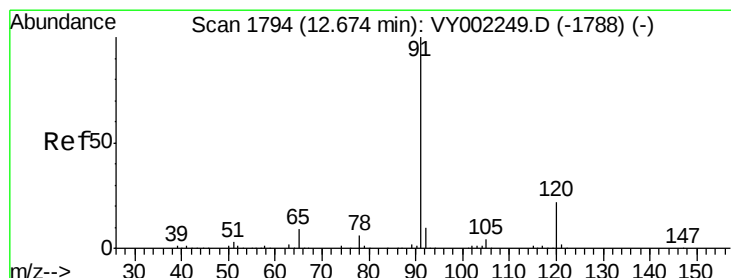
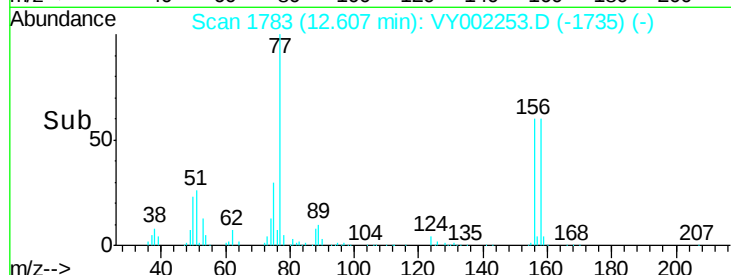
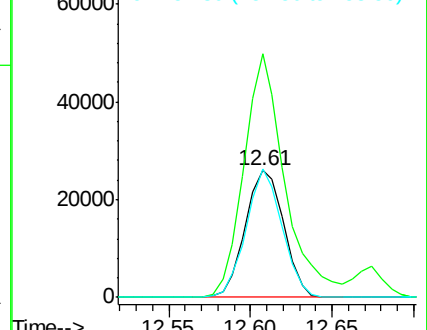
4/9/2020 11:32:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.489 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY002253.D

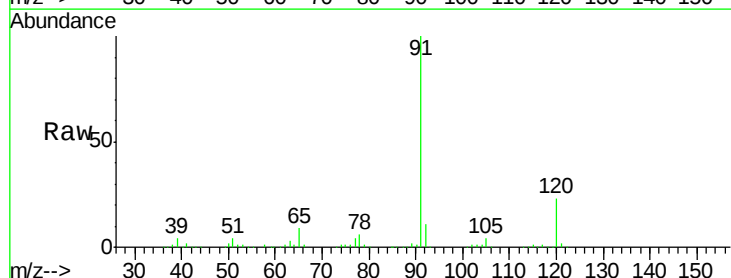
Acq: 08 Apr 2020 16:34

Tgt Ion: 91 Resp: 241654

Ion Ratio Lower Upper

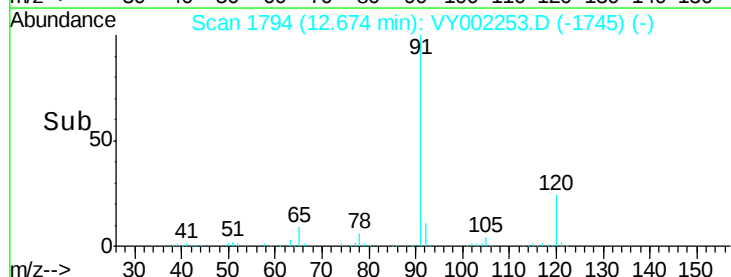
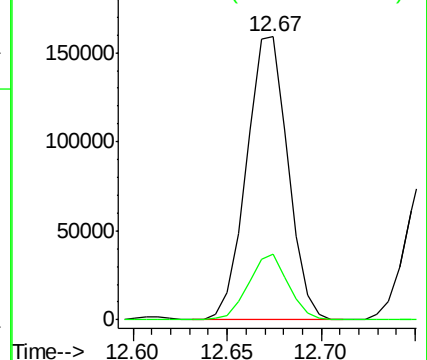
91 100

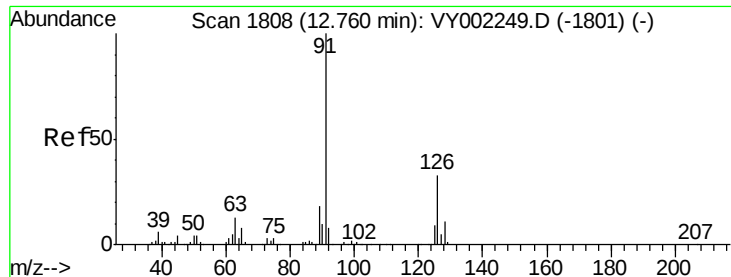
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.601 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion: 91 Resp: 132046

Ion Ratio Lower Upper

91 100

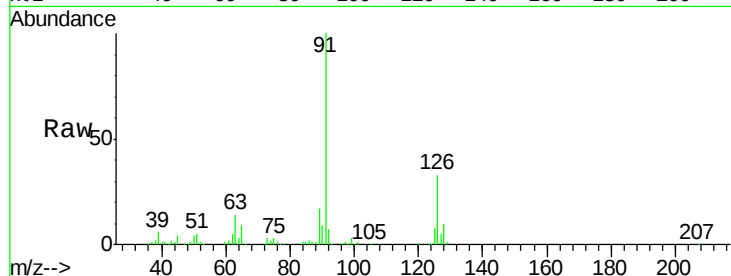
126 33.9 16.9 50.7

Manual Integrations

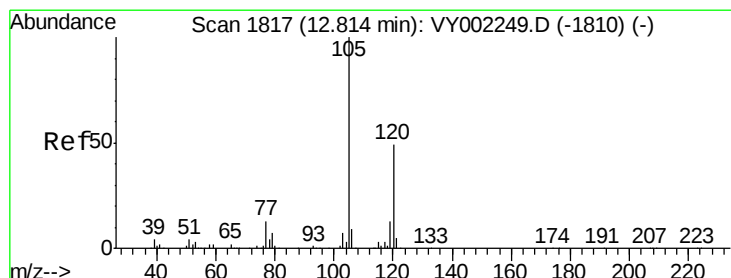
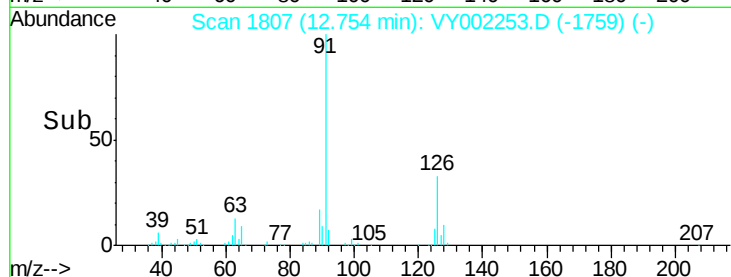
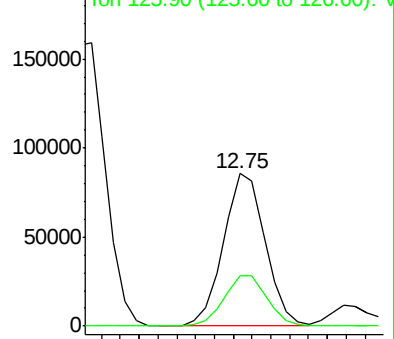
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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.758 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002253.D

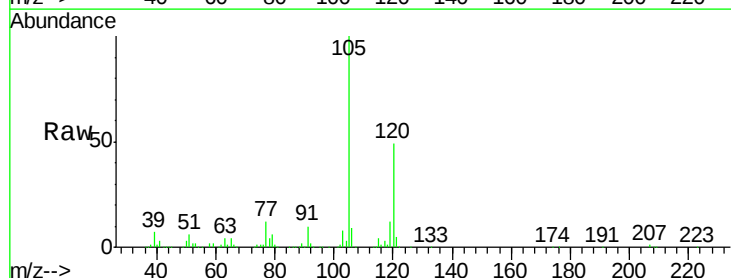
Acq: 08 Apr 2020 16:34

Tgt Ion:105 Resp: 162802

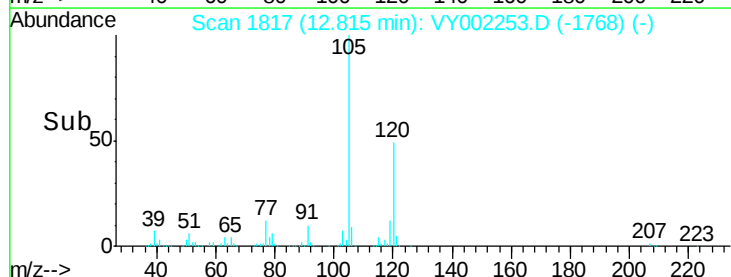
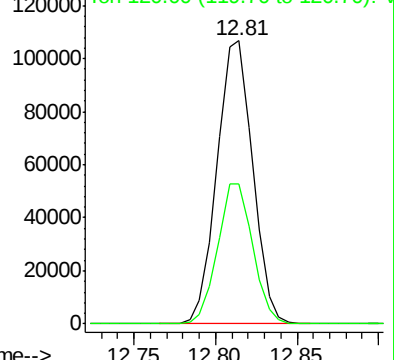
Ion Ratio Lower Upper

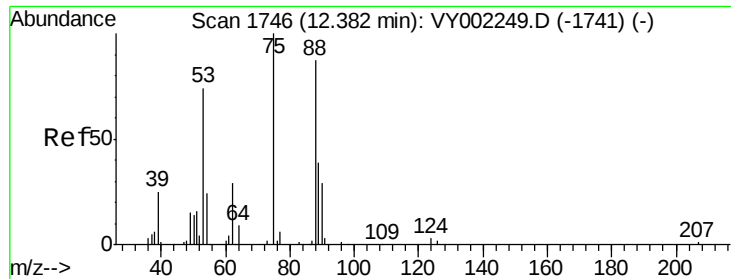
105 100

120 48.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.115 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

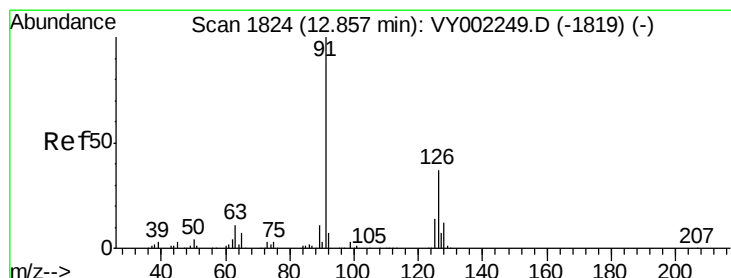
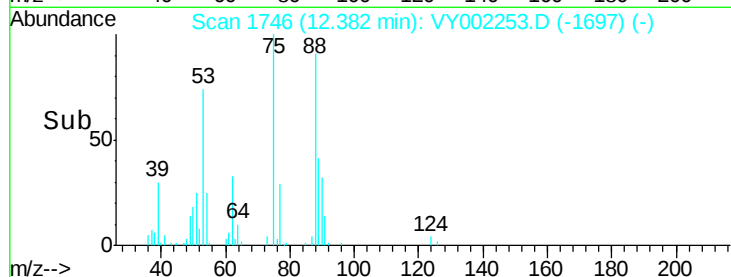
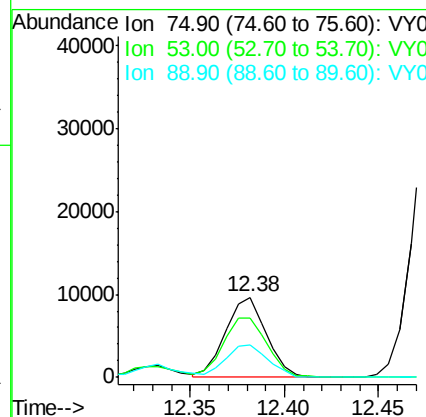
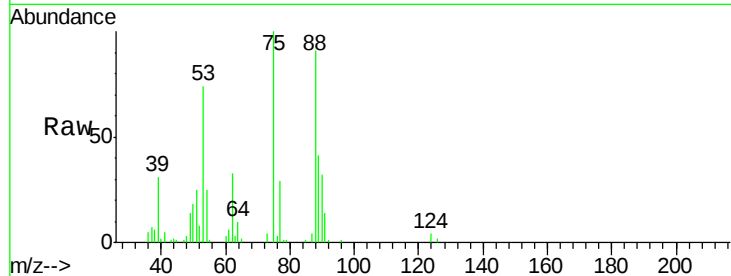
ClientSampleId :

VY0408SBS01

Tot Ion:	75	Resp:	14497
Ion	Ratio	Lower	Upper
75	100		
53	79.4	59.8	89.8
89	42.4	37.0	55.6

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#82

4-Chlorotoluene

Concen: 20.539 ug/l

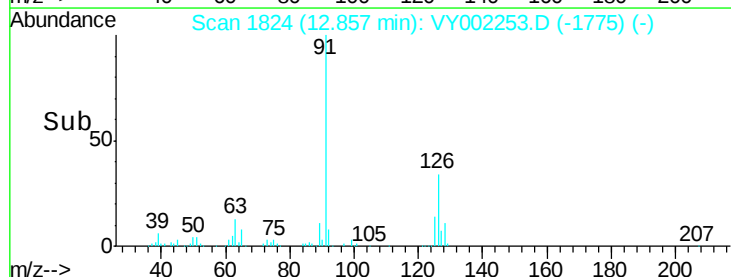
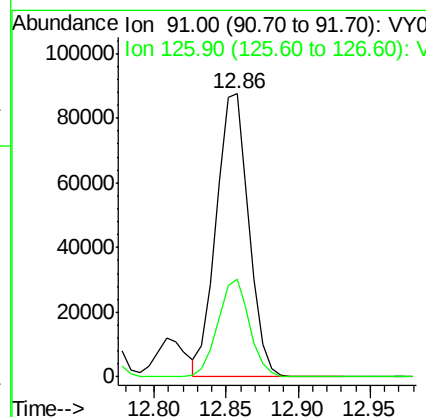
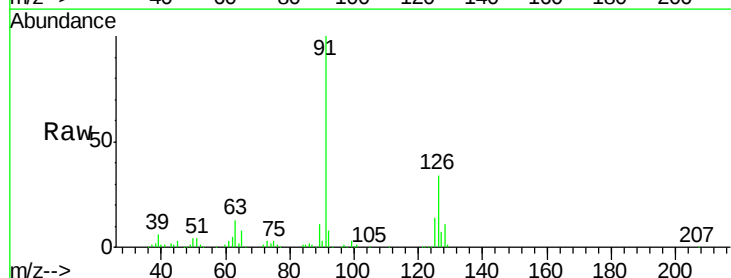
RT: 12.86 min Scan# 1824

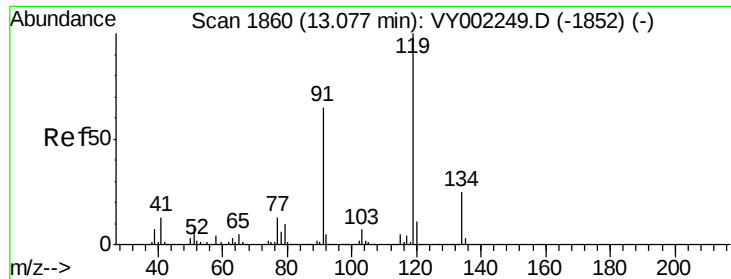
Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Tgt Ion:	91	Resp:	137980
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.7





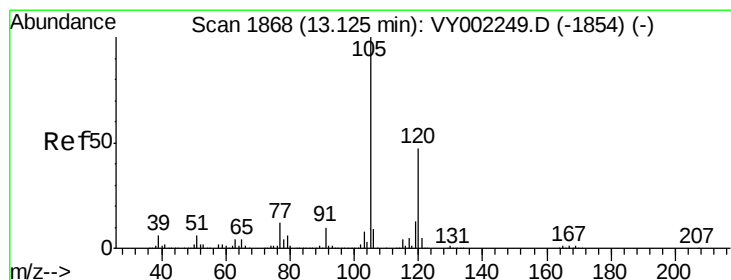
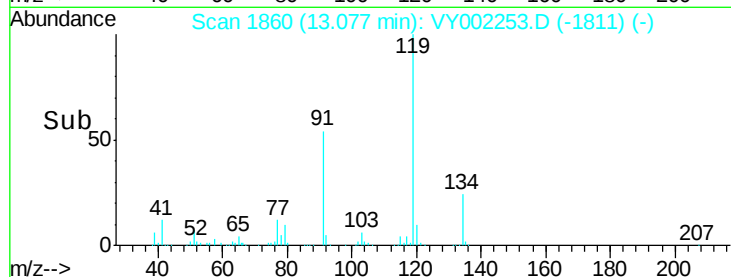
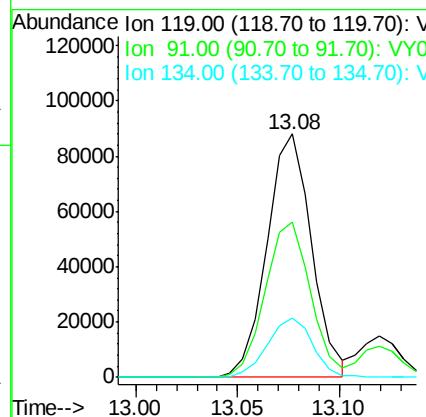
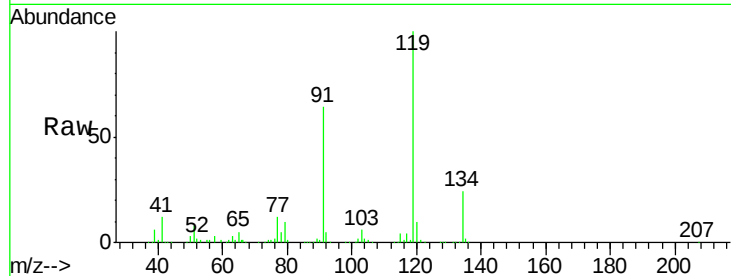
#83
 tert-Butylbenzene
 Concen: 20.458 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134396		
91	64.9		32.4	97.0
134	25.0		12.6	37.6

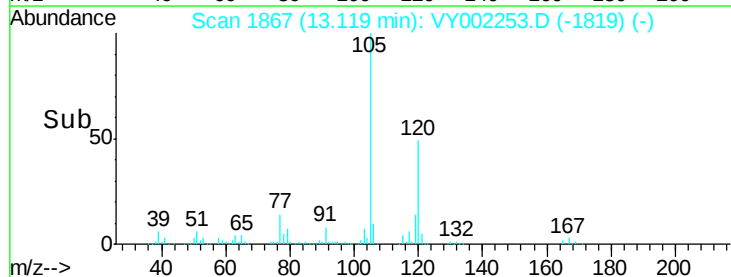
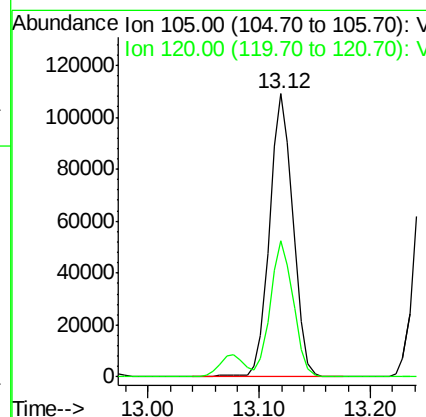
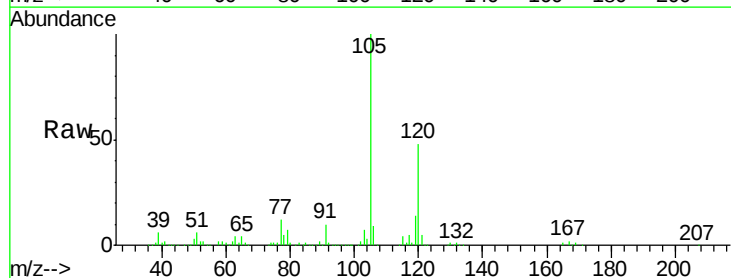
Manual Integrations
 APPROVED

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 4/9/2020 11:32:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.563 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161048		
120	46.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 20.797 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBS01

Tot Ion:105 Resp: 203524

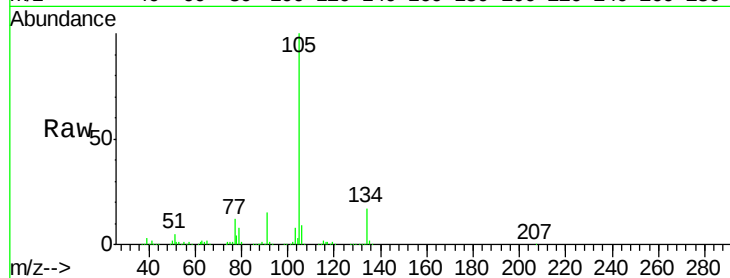
Ion Ratio Lower Upper

105 100

134 18.8 9.8 29.3

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

150000

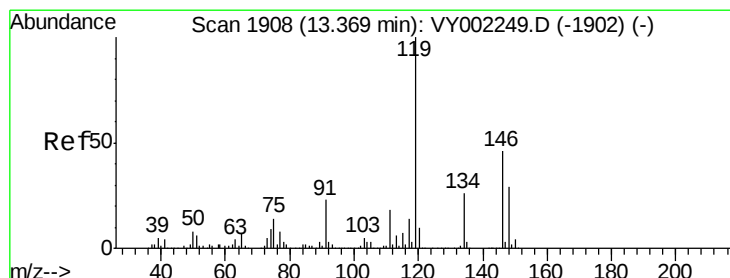
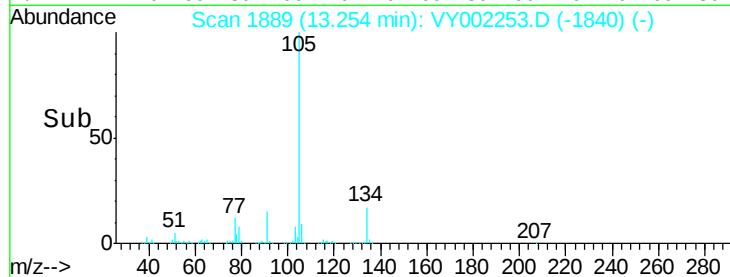
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.164 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002253.D

Acq: 08 Apr 2020 16:34

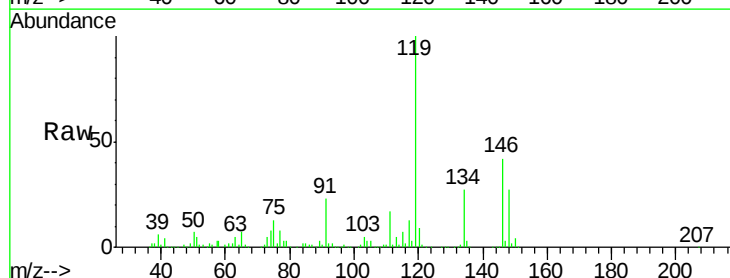
Tgt Ion:119 Resp: 178258

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.6 11.5 34.4



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

150000

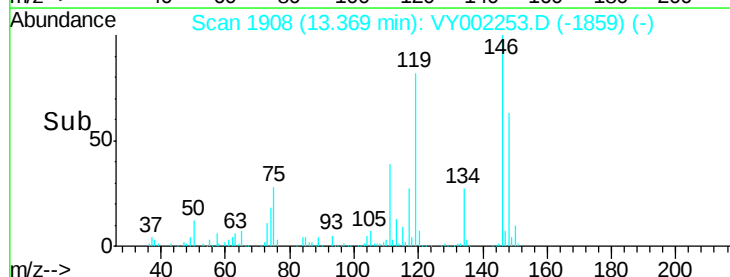
100000

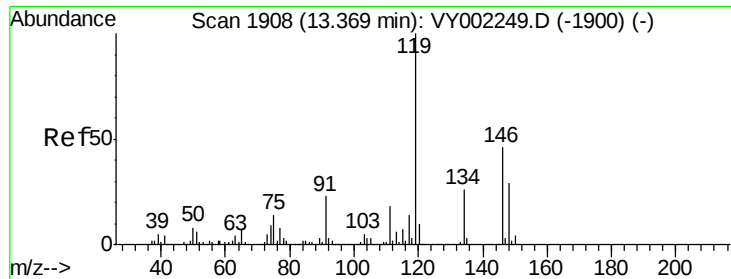
50000

0

13.30 13.35 13.40

Time-->





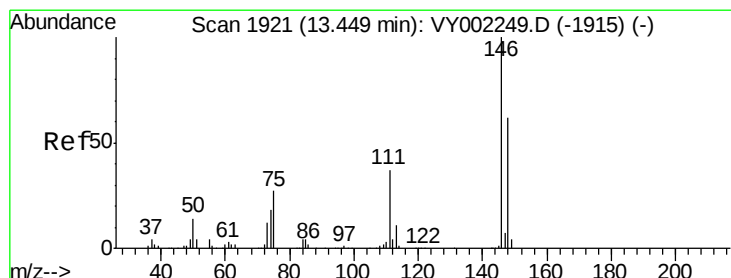
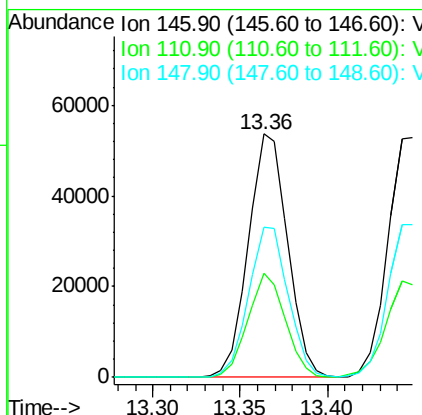
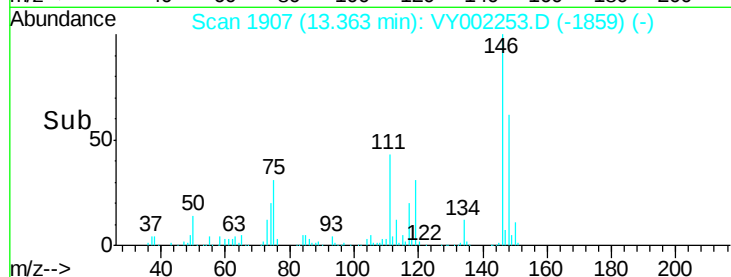
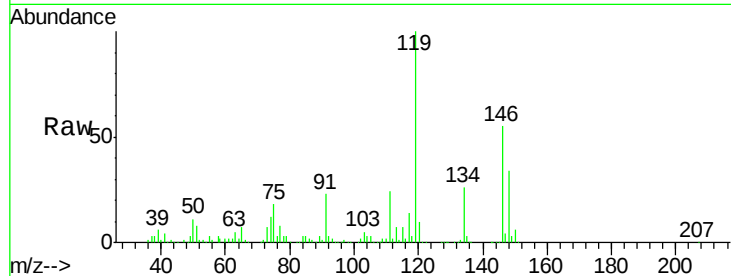
#87
 1,3-Dichlorobenzene
 Concen: 20.672 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	62.2	32.1	96.3

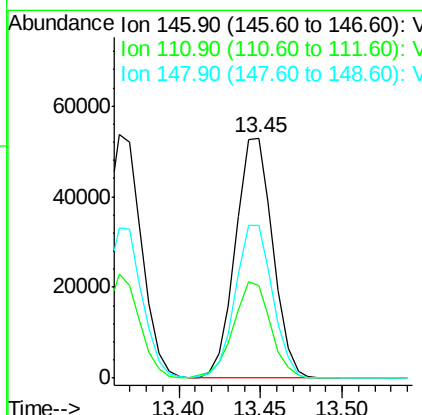
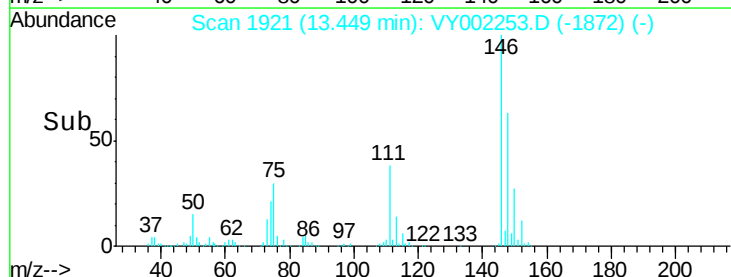
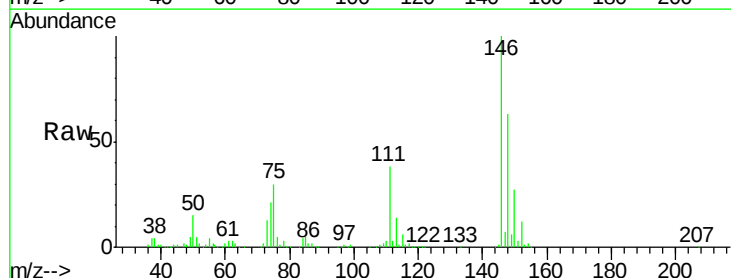
Manual Integrations
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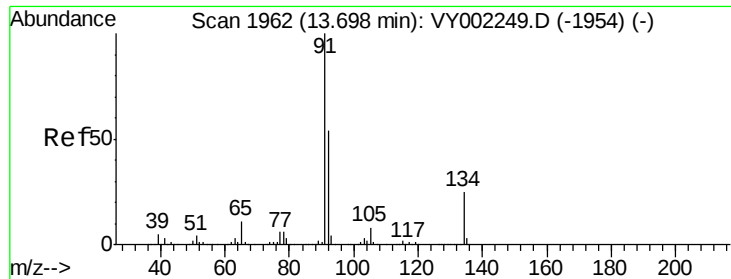
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#88
 1,4-Dichlorobenzene
 Concen: 20.594 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	63.4	32.0	96.0





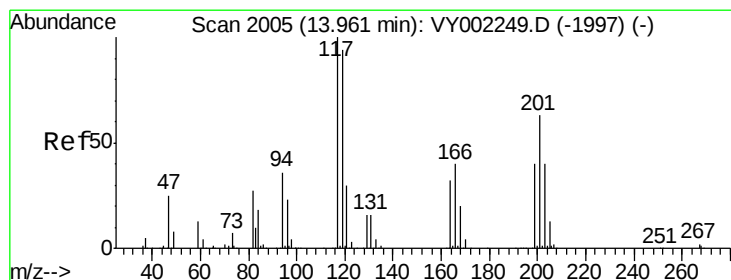
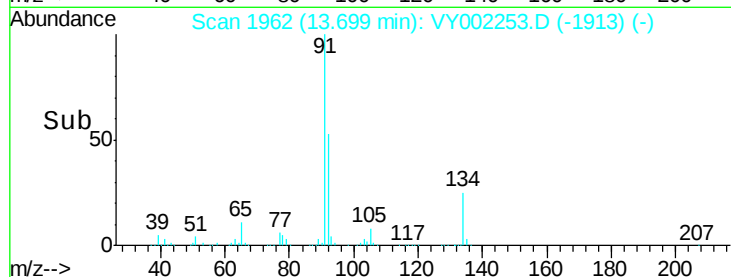
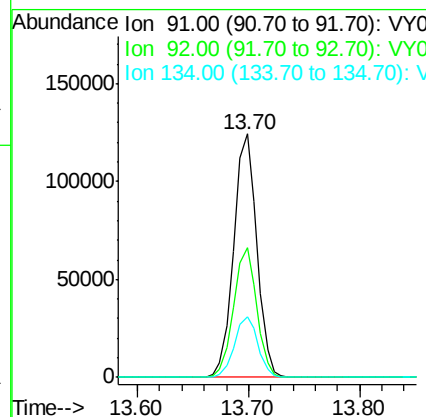
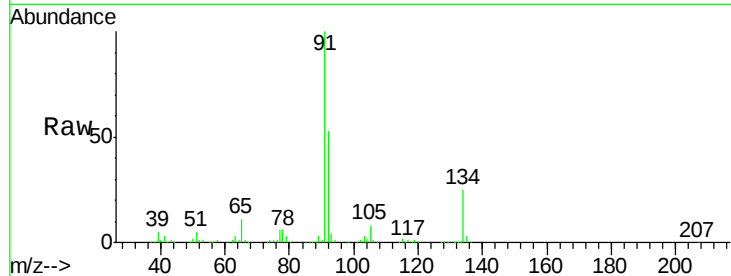
#89
n-Butylbenzene
Concen: 20.663 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		178400		
92	53.2	27.2	81.6		
134	25.1	12.7	38.0		

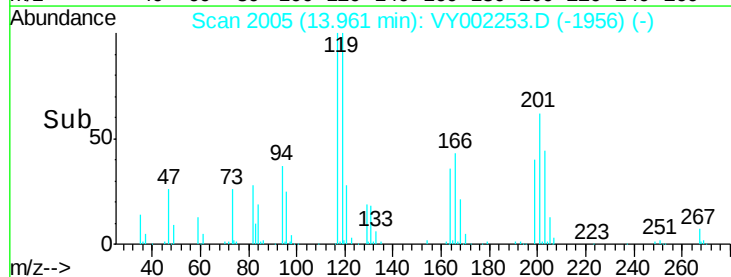
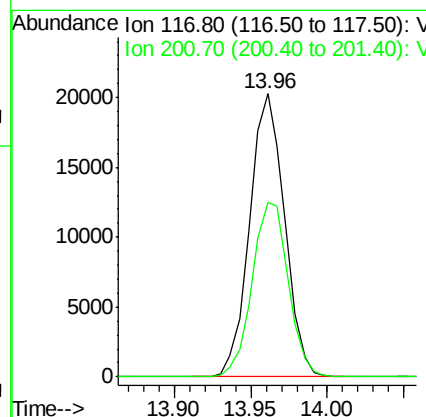
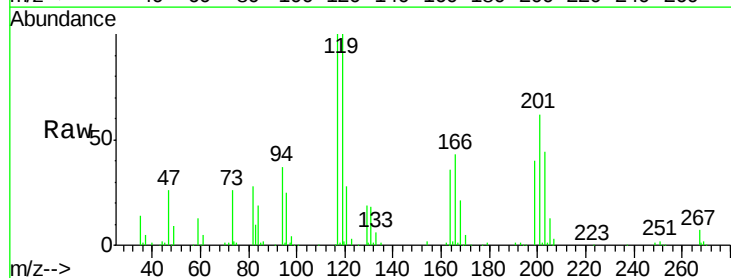
Manual Integrations
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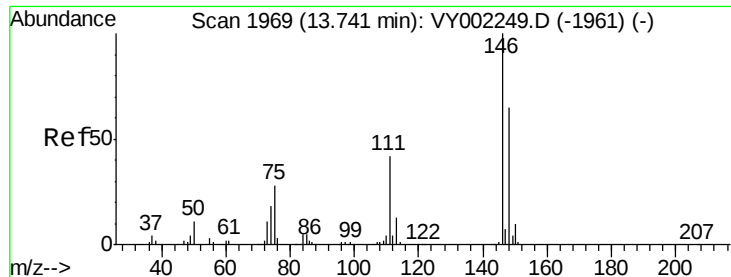
MMDadoda
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#90
Hexachloroethane
Concen: 20.024 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		32139		
201	63.9	33.1	99.2		





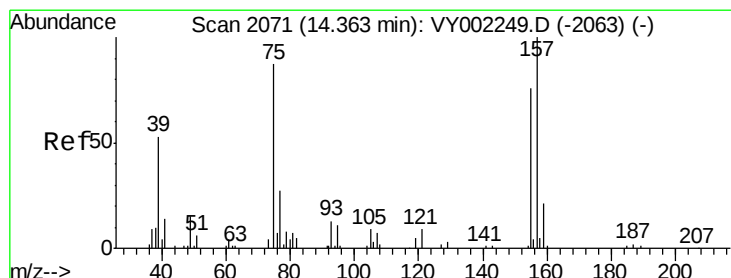
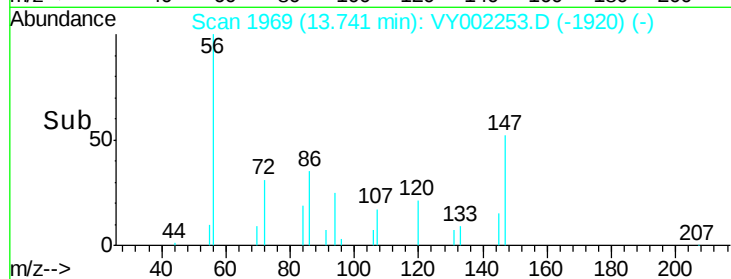
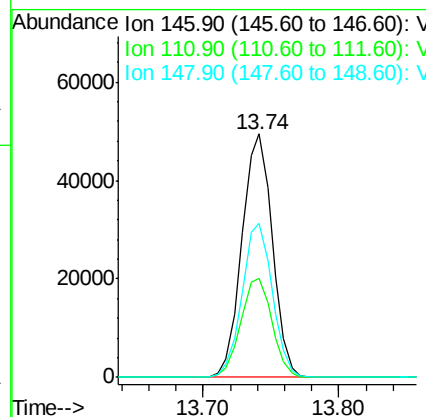
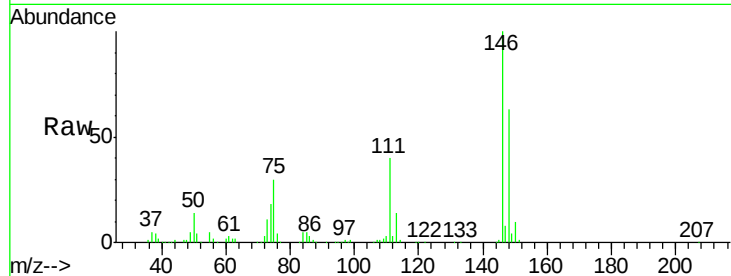
#91
 1,2-Dichlorobenzene
 Concen: 21.017 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	63.1	31.9	95.9

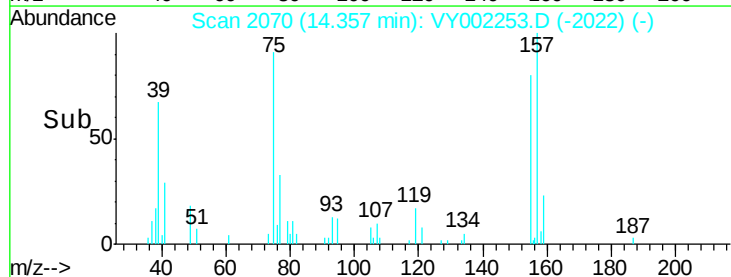
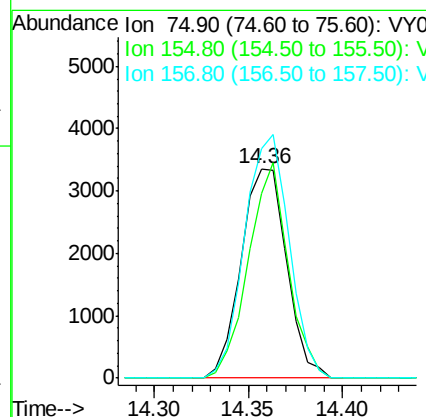
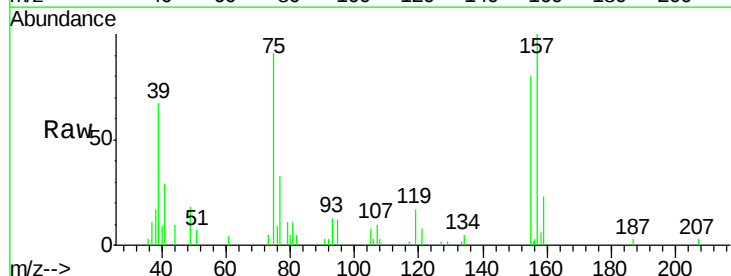
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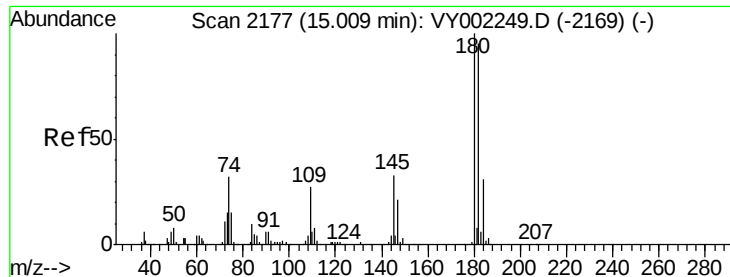
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.263 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	43.6	130.8
157	113.5	56.0	168.2





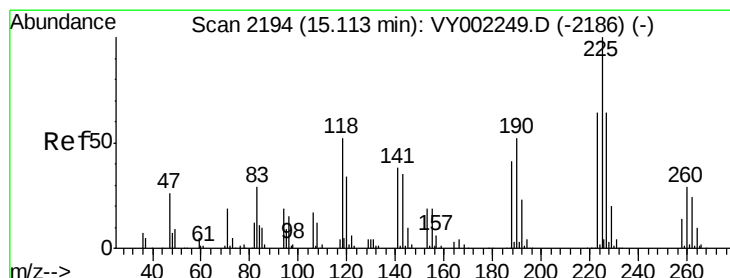
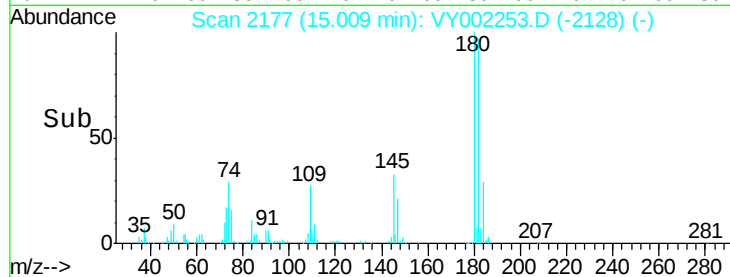
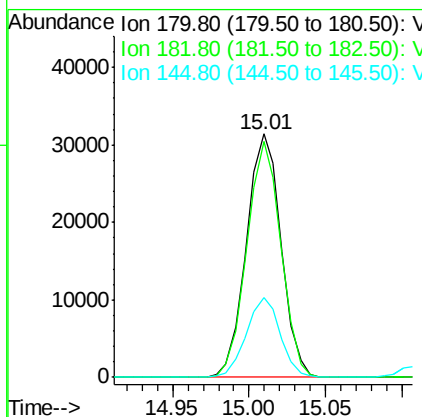
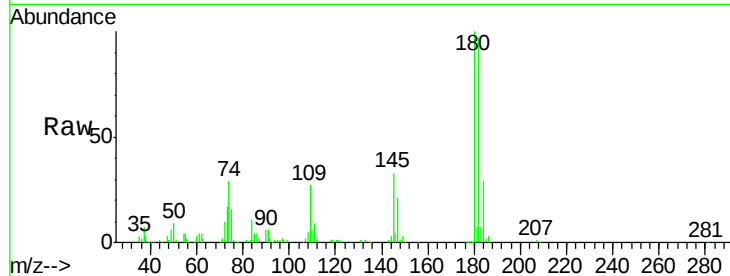
#93
 1,2,4-Trichlorobenzene
 Concen: 20.558 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	32.0	16.0	48.0

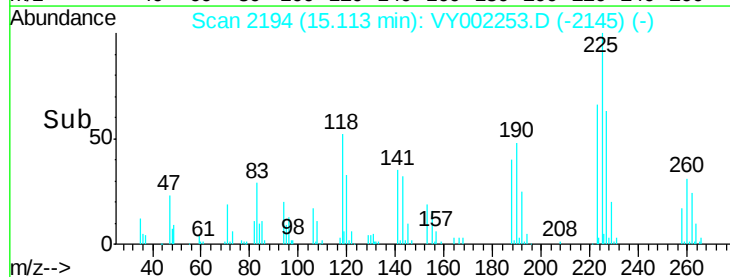
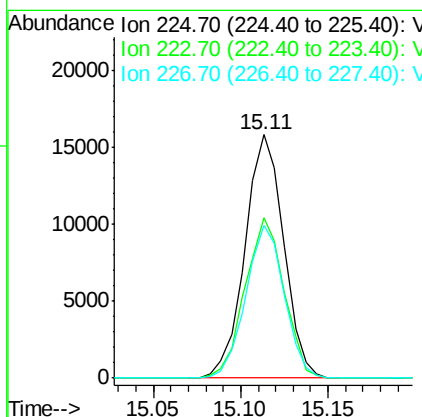
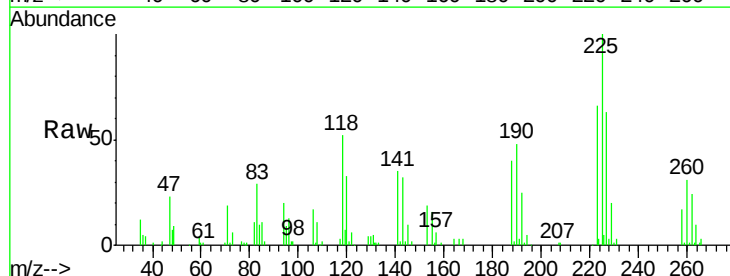
Manual Integrations
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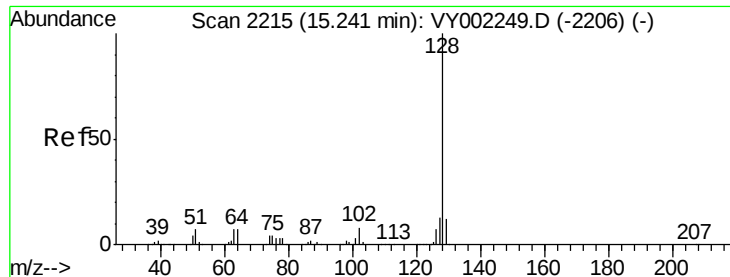
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 4/9/2020 11:32:11 AM



#94
 Hexachlorobutadiene
 Concen: 20.073 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002253.D
 Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.0	93.0
227	62.2	31.3	93.9





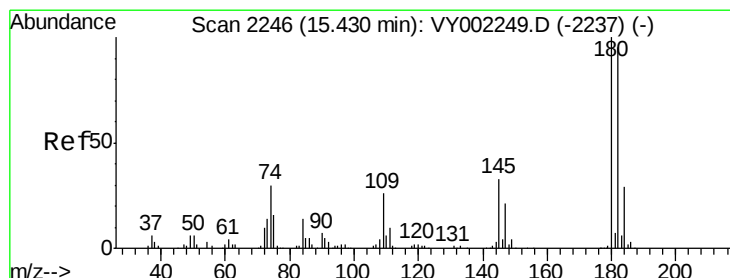
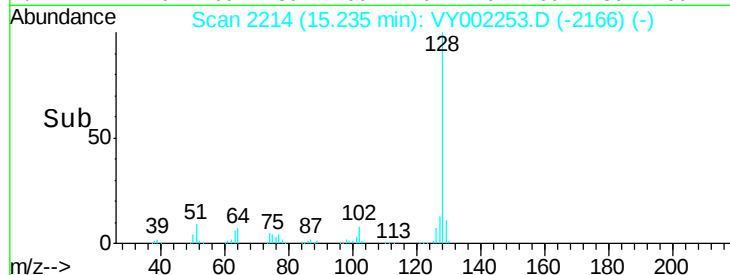
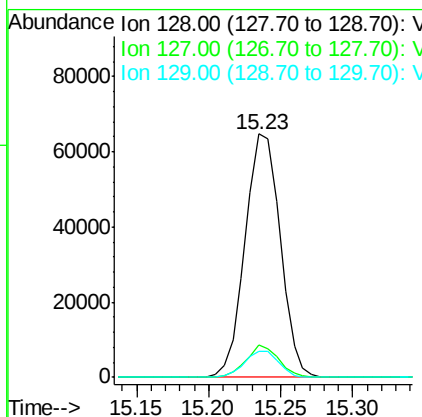
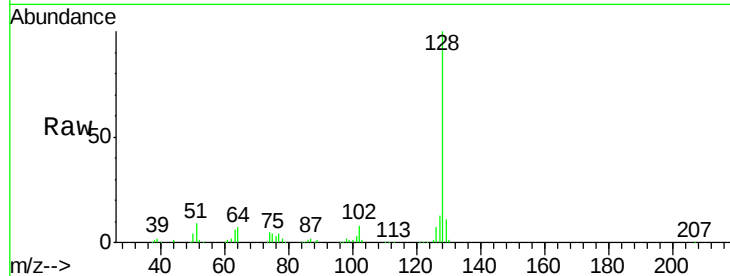
#95
Naphthalene
Concen: 20.791 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109325		
127	12.1		10.1	15.1
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.666 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY002253.D
Acq: 08 Apr 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43096		
182	92.1		47.1	141.3
145	34.1		16.7	50.1

