

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002212.D
 Acq On : 03 Apr 2020 12:14
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:32 AM

Quant Time: Apr 04 00:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	154776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	258266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86533	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.74	113	79514	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.19	98	320729	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.49	95	112070	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31550	28.408	ug/l	99
3) Chloromethane	2.13	50	38912	21.513	ug/l	97
4) Vinyl Chloride	2.26	62	40842	22.202	ug/l	100
5) Bromomethane	2.66	94	26100	21.741	ug/l	98
6) Chloroethane	2.80	64	24991	21.157	ug/l	98
7) Trichlorofluoromethane	3.15	101	55690	22.091	ug/l	98
8) Diethyl Ether	3.55	74	22654	21.217	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36479	22.056	ug/l	98
10) Methyl Iodide	4.11	142	38861	19.760	ug/l	99
11) Tert butyl alcohol	4.97	59	38776	192.311	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	36402	21.675	ug/l	95
13) Acrolein	3.76	56	21736	86.251	ug/l	99
14) Allyl chloride	4.52	41	64109	20.852	ug/l	99
15) Acrylonitrile	5.20	53	59468	106.262	ug/l	99
16) Acetone	3.97	43	49746	103.485	ug/l	96
17) Carbon Disulfide	4.22	76	118331	21.231	ug/l	98
18) Methyl Acetate	4.51	43	27094	21.705	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	100671	21.487	ug/l	100
20) Methylene Chloride	4.75	84	50106	22.343	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	41415	21.658	ug/l	97
22) Diisopropyl ether	6.15	45	133323	21.190	ug/l	96
23) Vinyl Acetate	6.09	43	433299	105.021	ug/l	98
24) 1,1-Dichloroethane	6.05	63	71319	21.319	ug/l	96
25) 2-Butanone	7.02	43	78104	105.814	ug/l	91
26) 2,2-Dichloropropane	7.01	77	60495	21.957	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	45659	21.704	ug/l	100
28) Bromochloromethane	7.36	49	30106	19.712	ug/l	98
29) Tetrahydrofuran	7.38	42	50847	105.068	ug/l	98
30) Chloroform	7.53	83	66349	20.924	ug/l	100
31) Cyclohexane	7.81	56	73838	20.714	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	56217	21.234	ug/l	98
36) 1,1-Dichloropropene	7.94	75	55506	20.588	ug/l	98
37) Ethyl Acetate	7.10	43	34362	21.090	ug/l	98
38) Carbon Tetrachloride	7.92	117	48488	21.198	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	74275	21.003	ug/l	99
40) Benzene	8.18	78	167183	20.934	ug/l	98
41) Methacrylonitrile	7.34	41	19182m	23.276	ug/l	
42) 1,2-Dichloroethane	8.26	62	43637	20.581	ug/l	100
43) Isopropyl Acetate	8.29	43	61415	20.310	ug/l	100
44) Trichloroethene	8.96	130	40985	21.290	ug/l	95
45) 1,2-Dichloropropane	9.23	63	42864	21.079	ug/l	96
46) Dibromomethane	9.32	93	22483	21.529	ug/l	98
47) Bromodichloromethane	9.51	83	51053	21.000	ug/l	98
48) Methyl methacrylate	9.31	41	28249	20.846	ug/l	98
49) 1,4-Dioxane	9.31	88	6169	430.487	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	170954	109.790	ug/l	99
52) Toluene	10.25	92	100858	20.880	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	55986	20.749	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	65736	20.692	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	32540	21.053	ug/l	97
56) Ethyl methacrylate	10.52	69	45773	20.276	ug/l	98
57) 1,3-Dichloropropane	10.80	76	57148	20.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	128148	110.474	ug/l	100
59) 2-Hexanone	10.84	43	111254	101.431	ug/l	97
60) Dibromochloromethane	10.99	129	34421	21.282	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30168	20.854	ug/l	100
64) Tetrachloroethene	10.73	164	34432	21.791	ug/l	98
65) Chlorobenzene	11.52	112	102867	20.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	34925	20.940	ug/l	99
67) Ethyl Benzene	11.60	91	194114	20.965	ug/l	100
68) m/p-Xylenes	11.71	106	142645	41.667	ug/l	100
69) o-Xylene	12.03	106	66437	20.458	ug/l	98
70) Styrene	12.05	104	114943	20.426	ug/l	98
71) Bromoform	12.22	173	18798	20.578	ug/l #	97
73) Isopropylbenzene	12.34	105	182216	20.975	ug/l	99
74) N-amyl acetate	12.15	43	54925	20.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39209	20.974	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	23893m	18.239	ug/l	
77) Bromobenzene	12.61	156	38869	20.959	ug/l	98
78) n-propylbenzene	12.68	91	227018	21.058	ug/l	99
79) 2-Chlorotoluene	12.77	91	124932	21.106	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	150922	21.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13511	19.982	ug/l	93
82) 4-Chlorotoluene	12.86	91	130248	20.881	ug/l	99
83) tert-Butylbenzene	13.08	119	127599	21.328	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	152083	21.267	ug/l	100
85) sec-Butylbenzene	13.26	105	189078	21.338	ug/l	99
86) p-Isopropyltoluene	13.38	119	162052	21.296	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	76241	21.015	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	77542	21.240	ug/l	99
89) n-Butylbenzene	13.70	91	168294	21.226	ug/l	99
90) Hexachloroethane	13.97	117	29731	20.734	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	70860	21.150	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6127	20.461	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46094	21.345	ug/l	97
94) Hexachlorobutadiene	15.12	225	22193	20.820	ug/l	99
95) Naphthalene	15.25	128	105307	20.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40084	20.470	ug/l	98

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

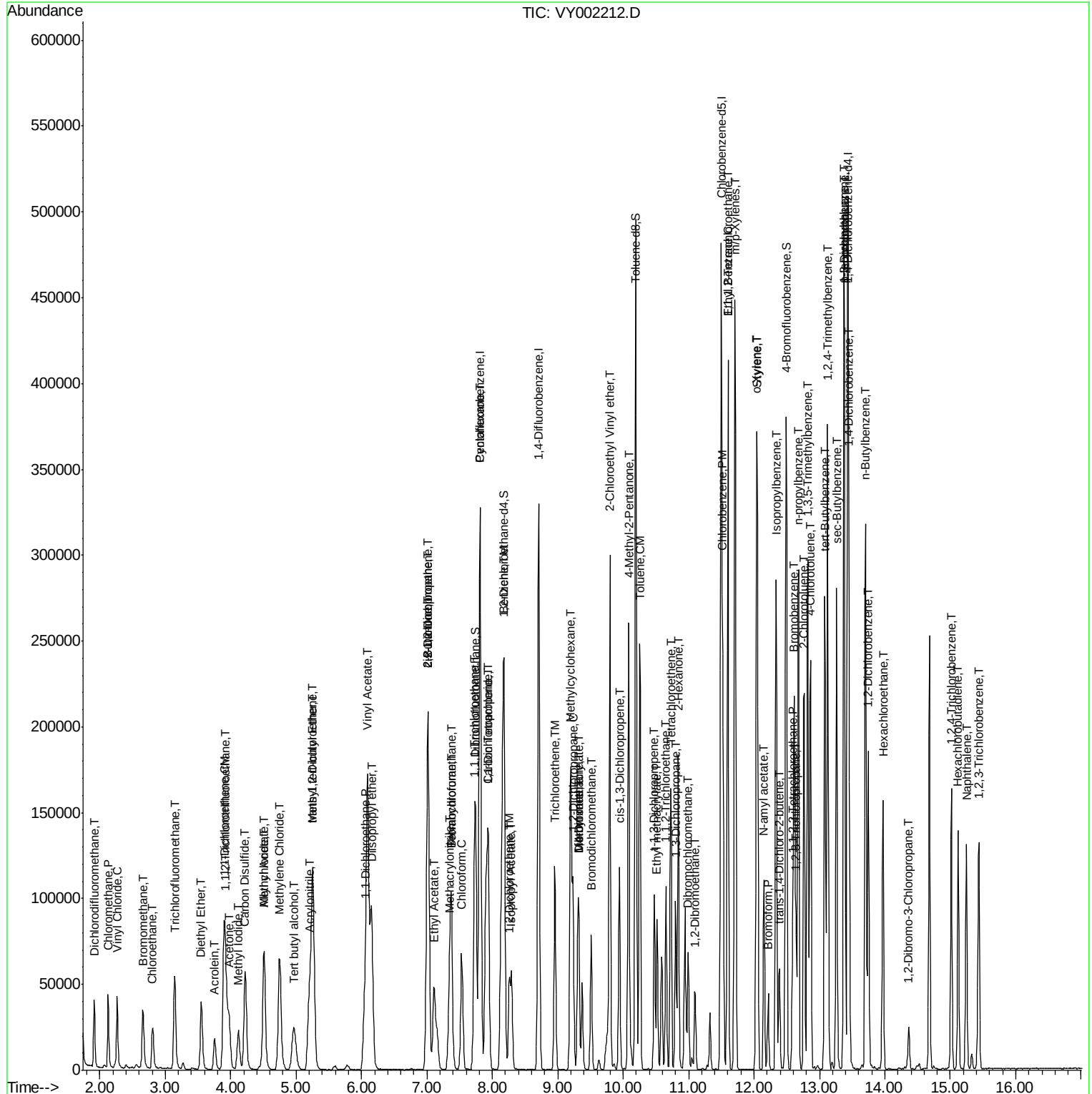
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Data File : VY002212.D
Acq On : 03 Apr 2020 12:14
Operator : SY/MD
Sample : VY0403SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

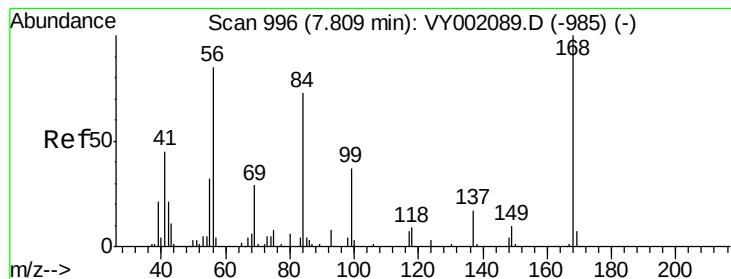
Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:168 Resp: 154776

Ion Ratio Lower Upper

168 100

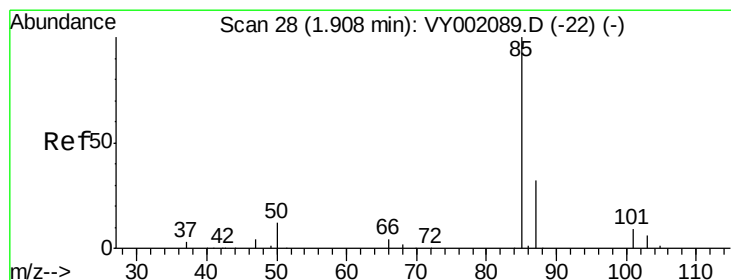
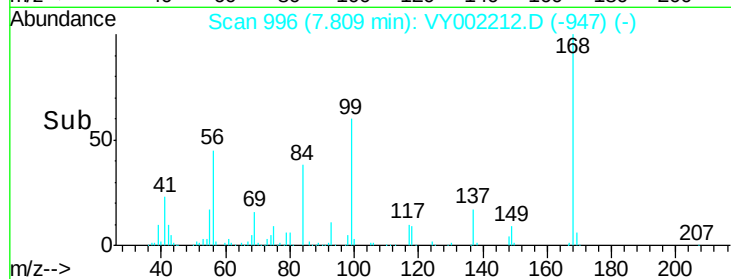
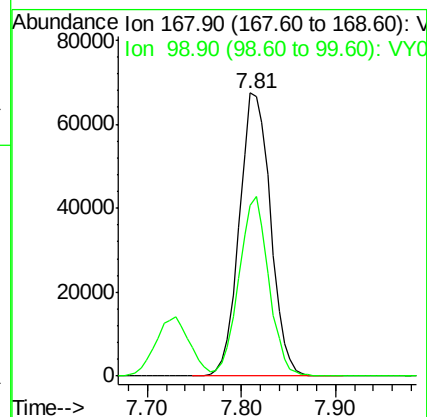
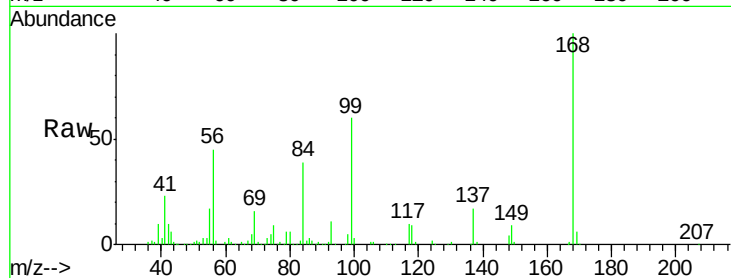
99 60.4 47.6 71.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 28.408 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002212.D

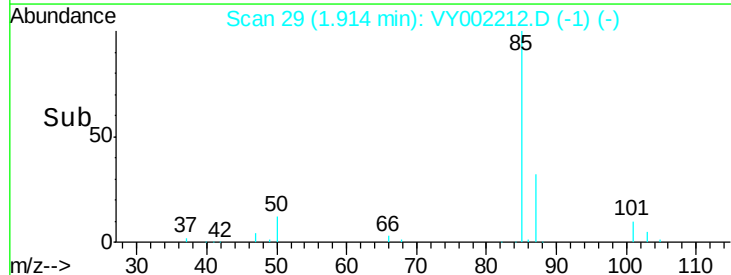
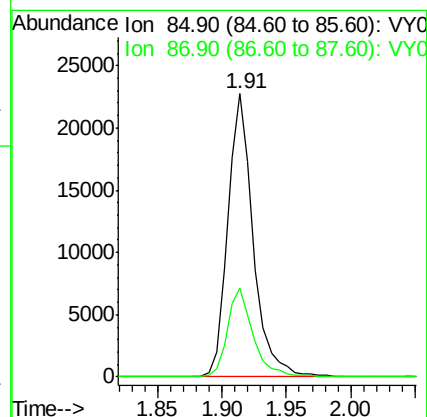
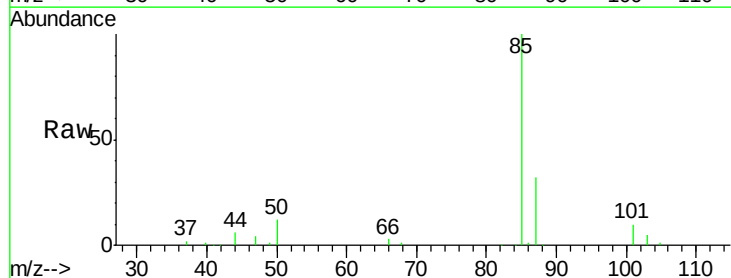
Acq: 03 Apr 2020 12:14

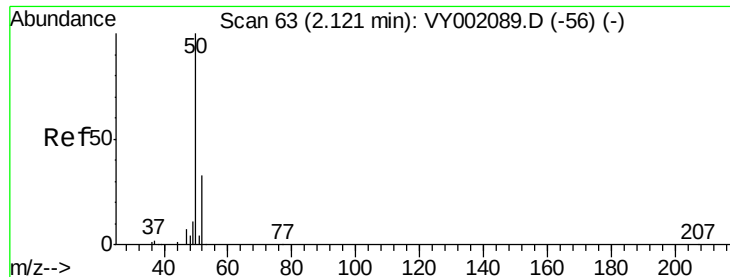
Tgt Ion: 85 Resp: 31550

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0





#3

Chloromethane

Concen: 21.513 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 50 Resp: 38912

Ion Ratio Lower Upper

50 100

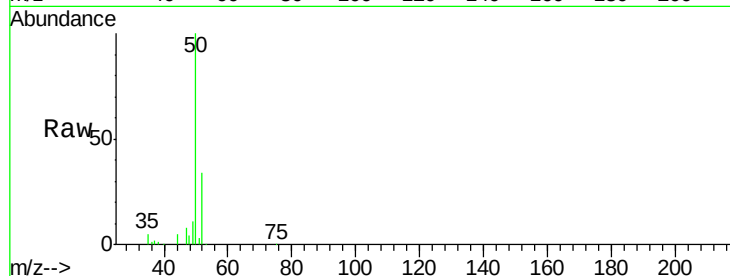
52 34.2 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

25000

20000

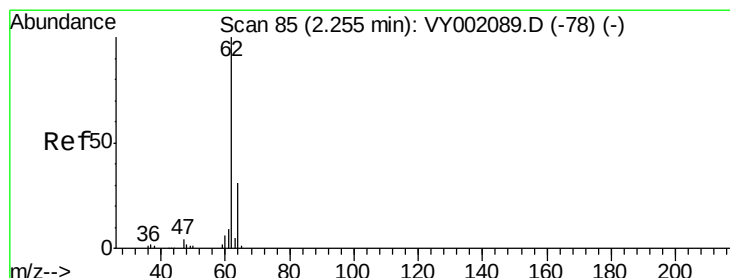
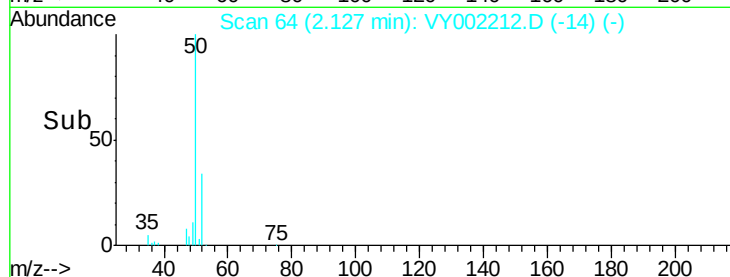
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 22.202 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002212.D

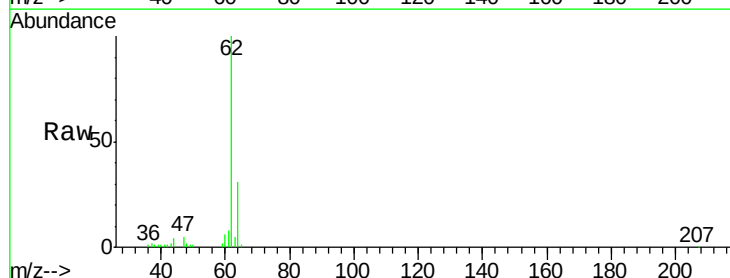
Acq: 03 Apr 2020 12:14

Tgt Ion: 62 Resp: 40842

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

25000

20000

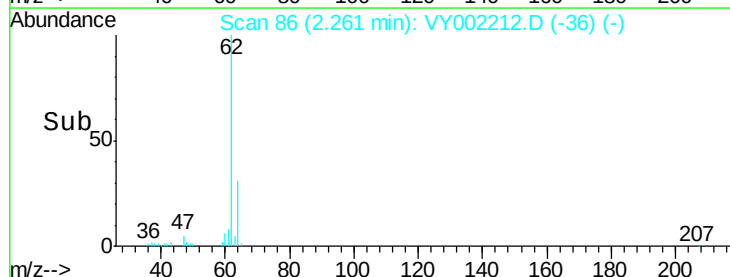
15000

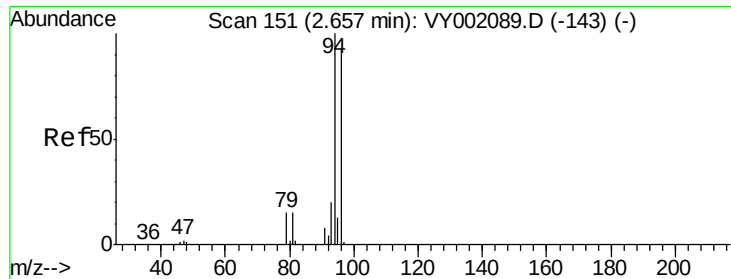
10000

5000

0

Time-->





#5

Bromomethane

Concen: 21.741 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 94 Resp: 26100

Ion Ratio Lower Upper

94 100

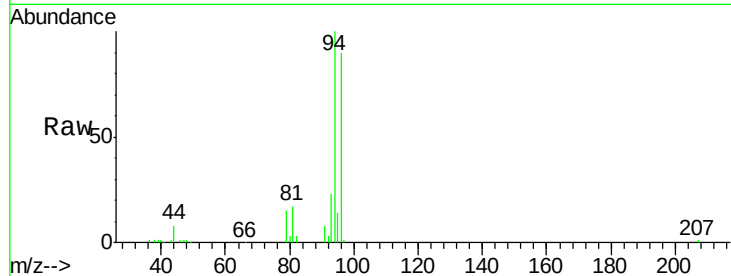
96 90.3 74.1 111.1

Manual Integrations

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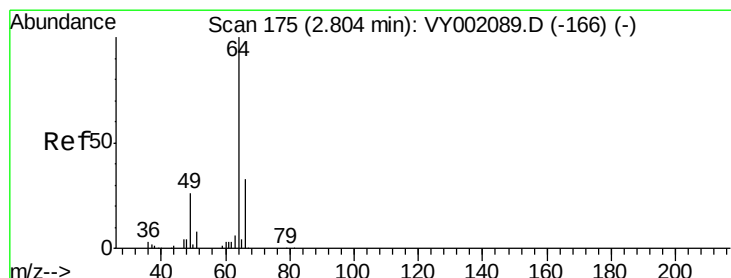
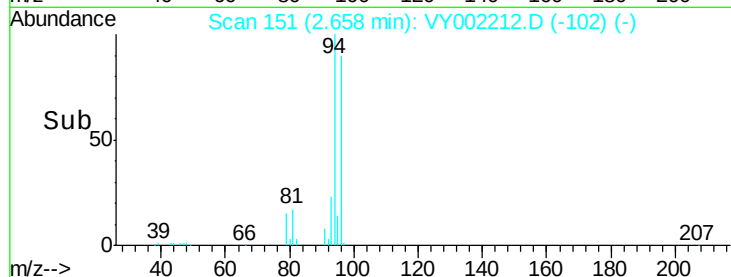
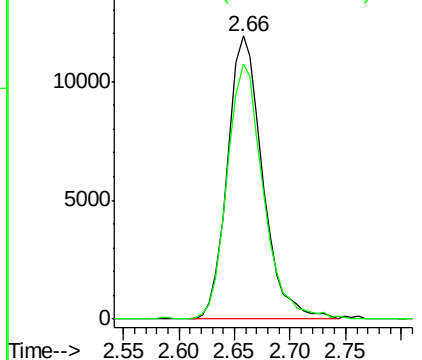
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.157 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002212.D

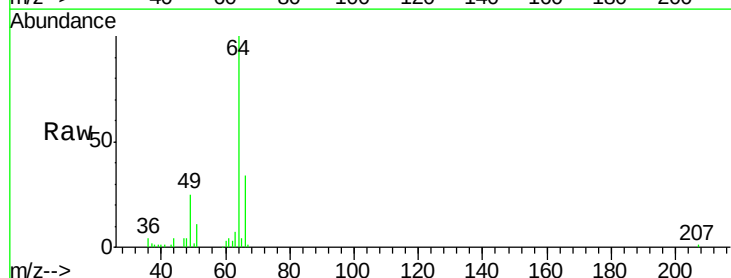
Acq: 03 Apr 2020 12:14

Tgt Ion: 64 Resp: 24991

Ion Ratio Lower Upper

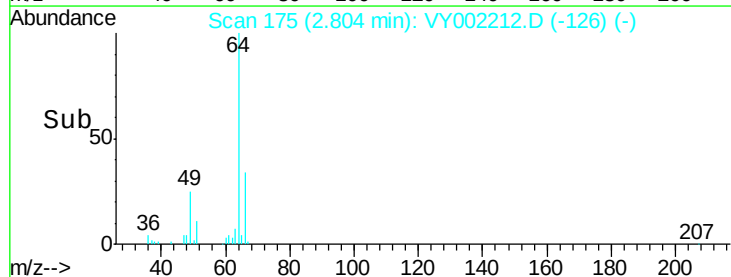
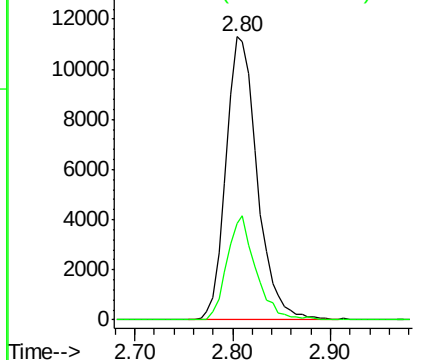
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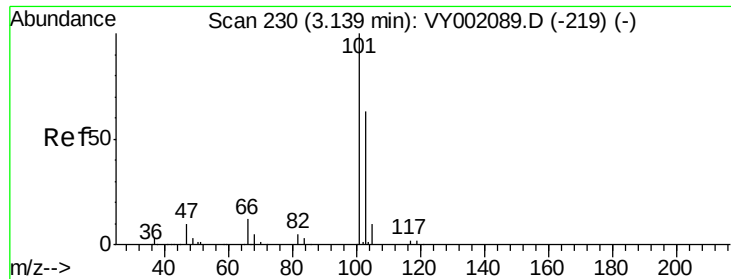
66 34.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

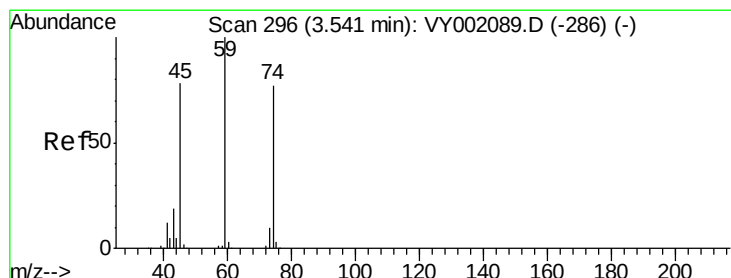
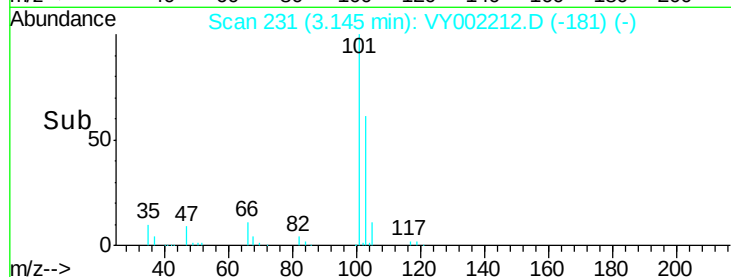
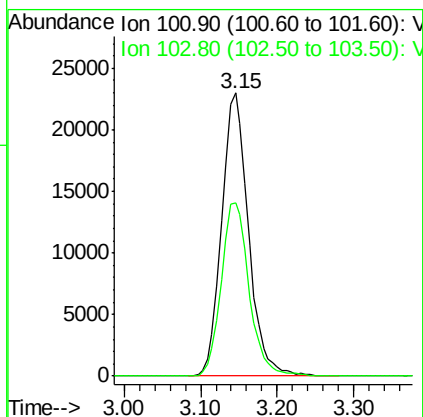
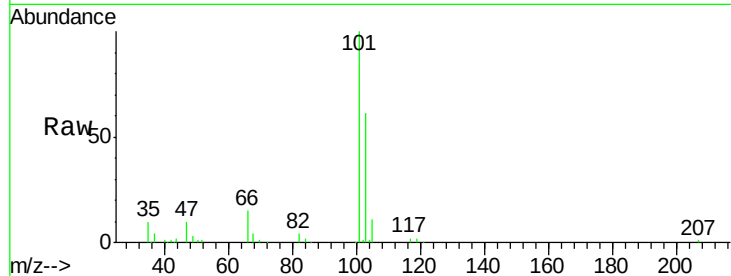
Trichlorofluoromethane
Concen: 22.091 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	50.6	76.0

Manual Integrations
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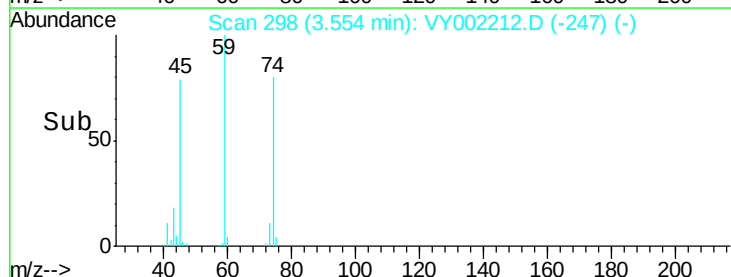
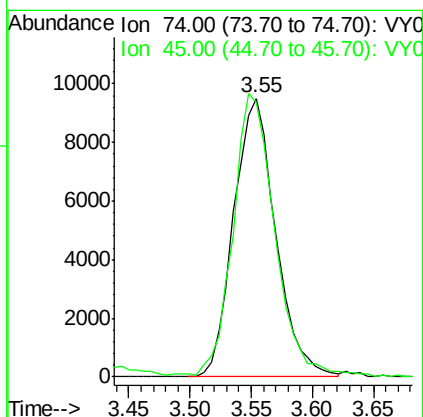
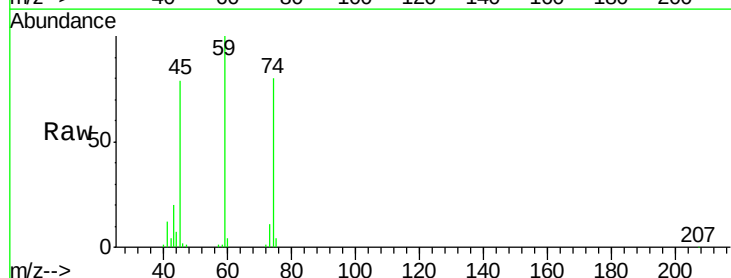
MMDadoda
4/6/2020 11:30:32 AM

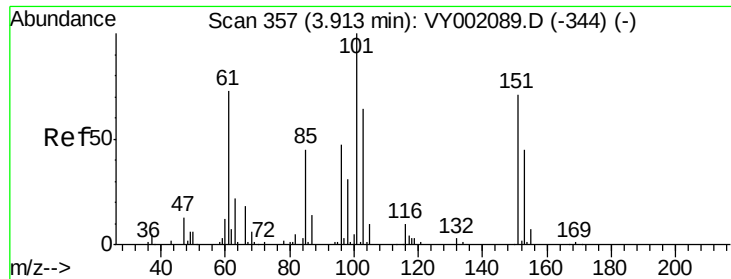


#8

Diethyl Ether
Concen: 21.217 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.056 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

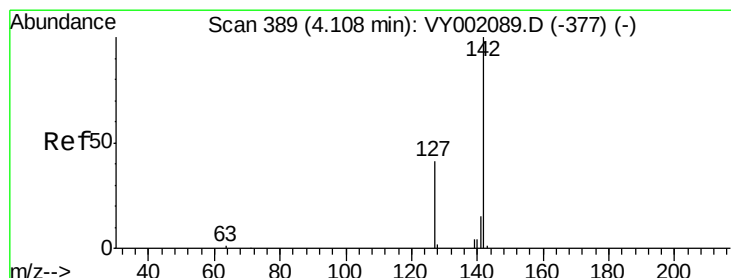
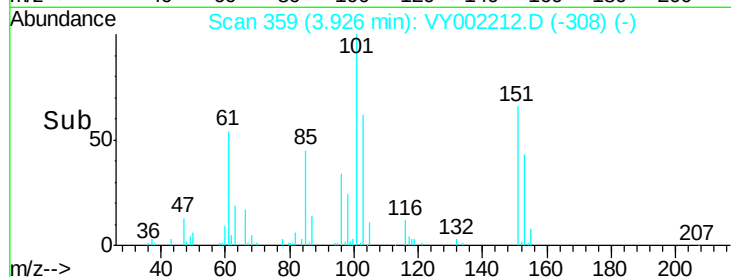
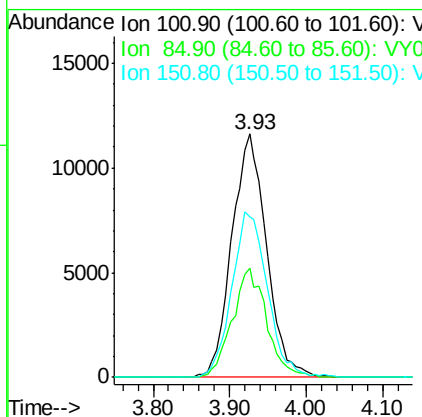
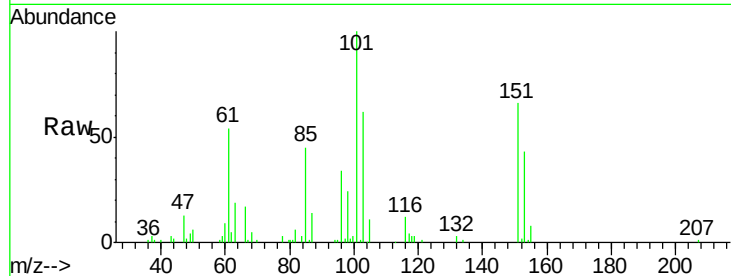
ClientSampleId :

VY0403SBS01

Tot Ion:	101	Resp:	36479
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.9	53.9
151	69.5	57.5	86.3

Manual Integrations
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4/6/2020 11:30:32 AM



#10

Methyl Iodide

Concen: 19.760 ug/l

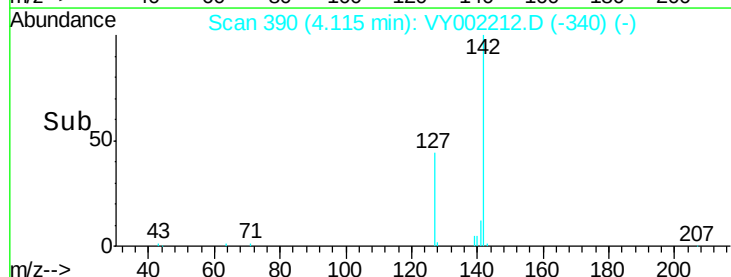
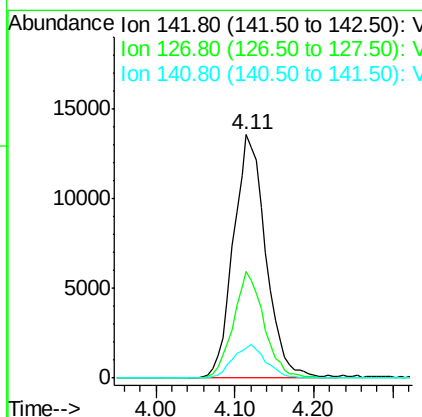
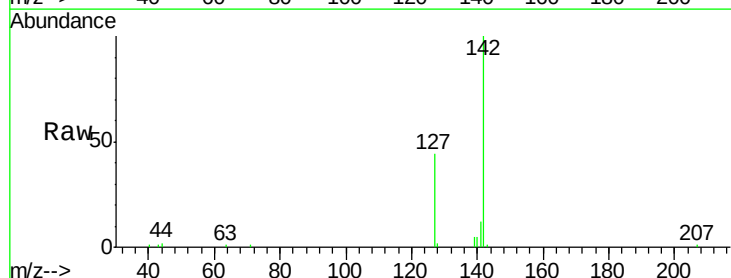
RT: 4.11 min Scan# 390

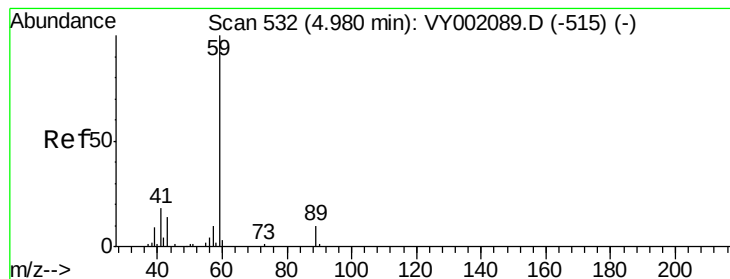
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	142	Resp:	38861
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.6	49.0
141	13.6	11.4	17.0





#11

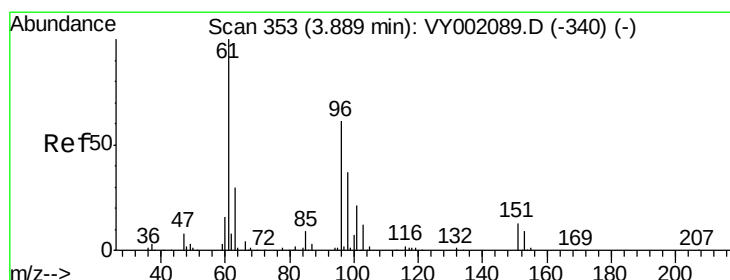
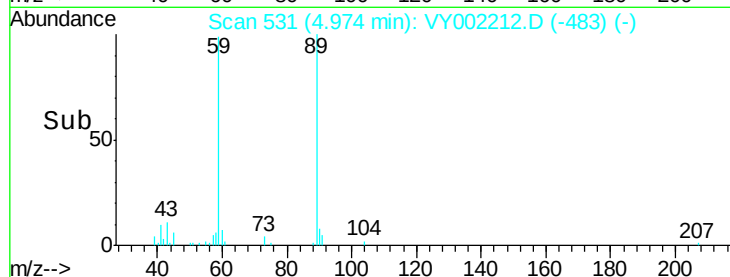
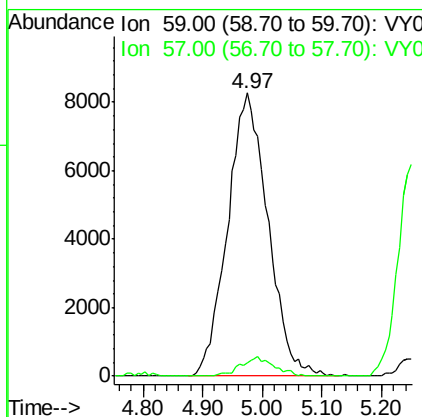
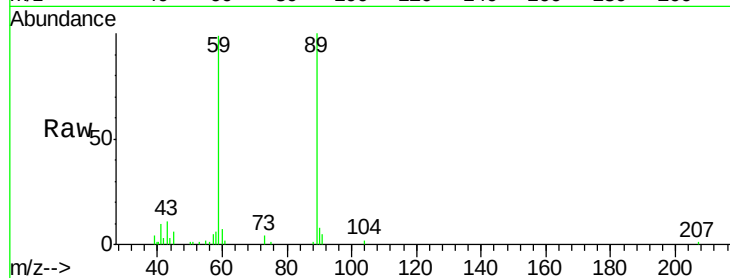
Tert butyl alcohol
 Concen: 192.311 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	59	Resp	38776
Ion Ratio	100	Lower	Upper
57	5.6	7.7	11.5#

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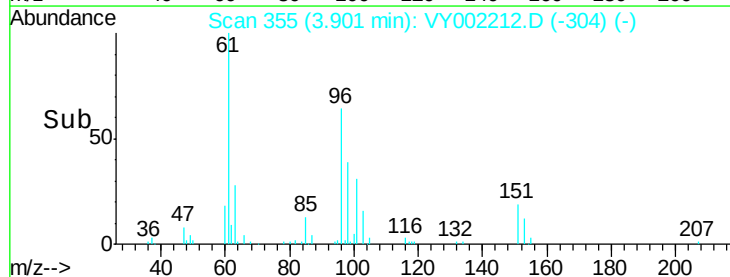
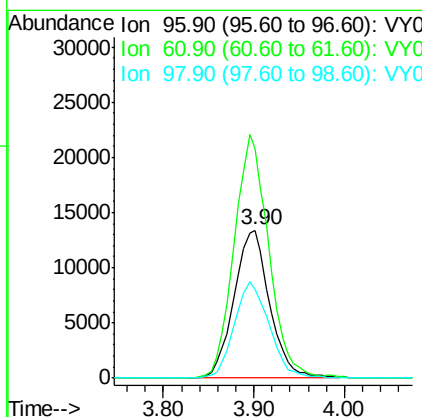
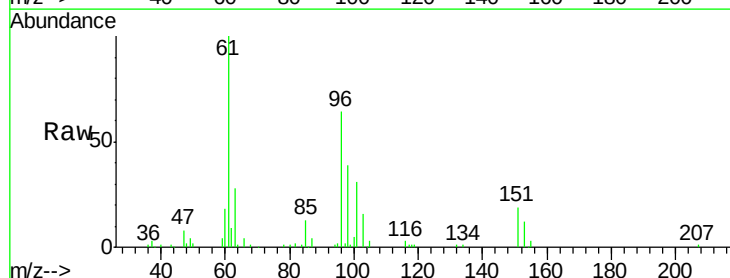
MMDadoda
 4/6/2020 11:30:32 AM

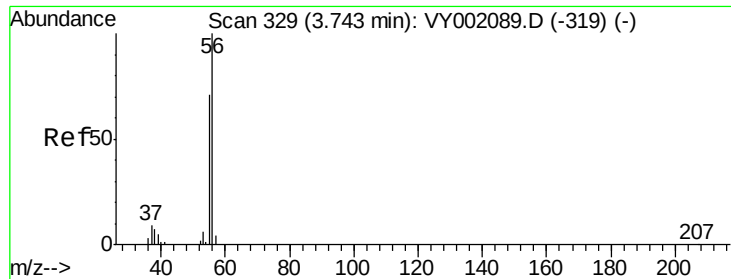


#12

1,1-Dichloroethene
 Concen: 21.675 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	96	Resp	36402
Ion Ratio	100	Lower	Upper
61	155.8	132.0	198.0
98	60.5	49.4	74.0





#13

Acrolein

Concen: 86.251 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 56 Resp: 21736

Ion Ratio Lower Upper

56 100

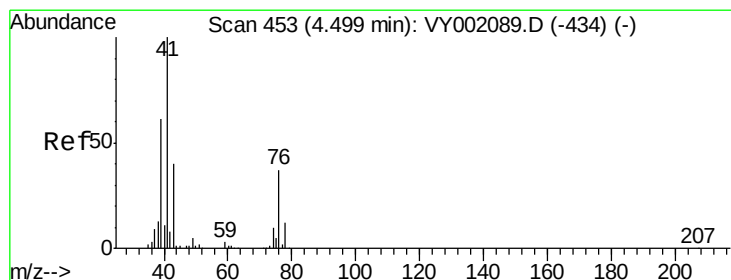
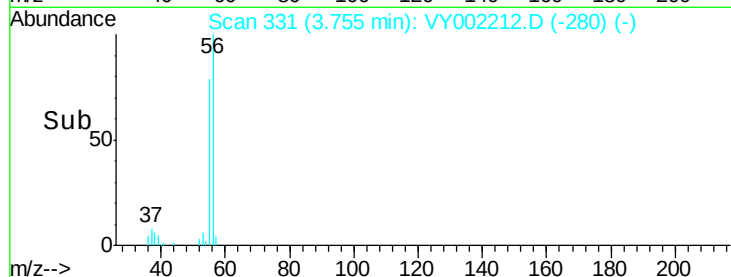
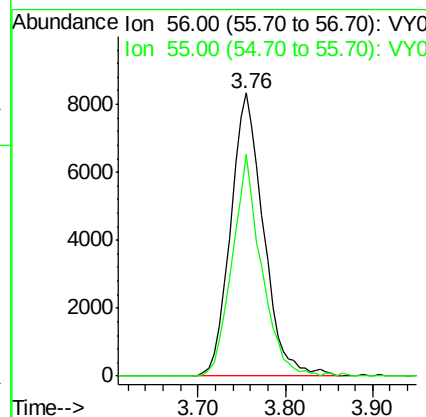
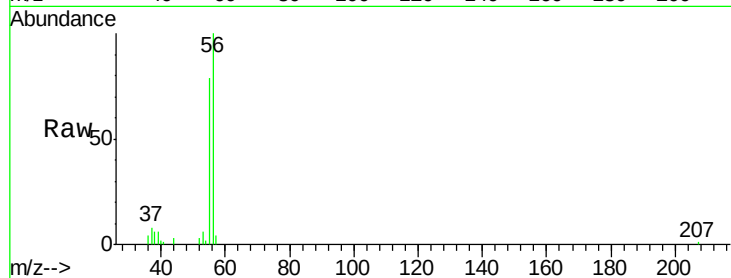
55 69.7 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

4/6/2020 11:30:32 AM



#14

Allyl chloride

Concen: 20.852 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

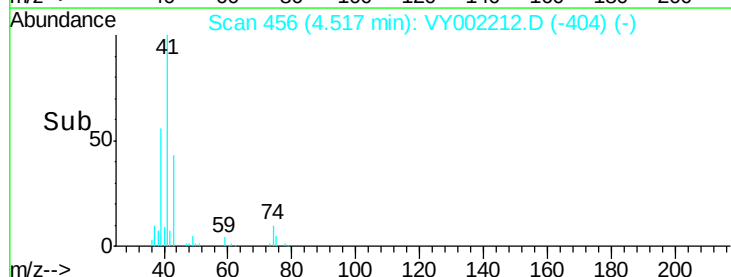
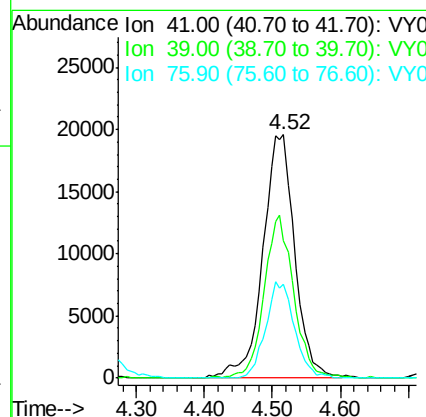
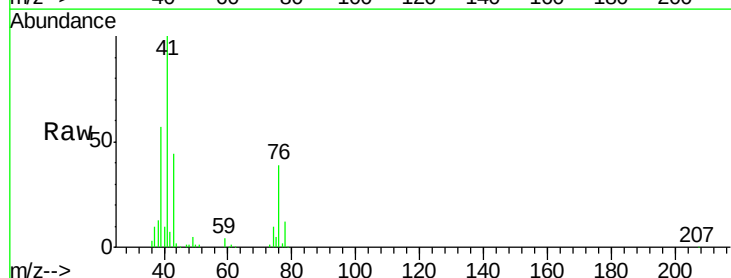
Tgt Ion: 41 Resp: 64109

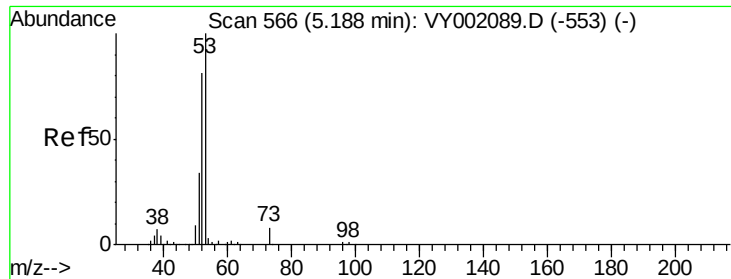
Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.4

76 35.6 27.8 41.8





#15

Acrylonitrile

Concen: 106.262 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

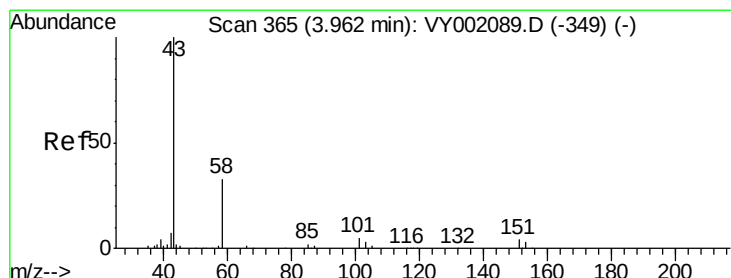
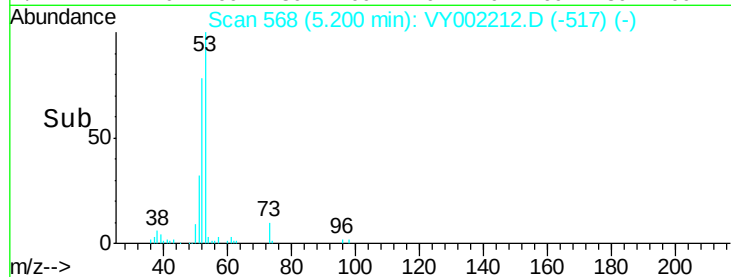
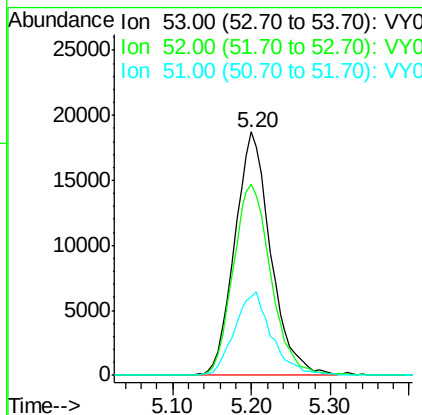
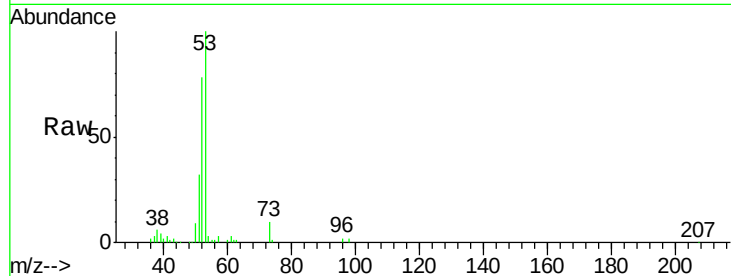
ClientSampleId :

VY0403SBS01

Tot Ion:	53	Resp:	59468
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.6	97.0
51	35.2	27.9	41.9

Manual Integrations
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MMDadoda
4/6/2020 11:30:32 AM



#16

Acetone

Concen: 103.485 ug/l

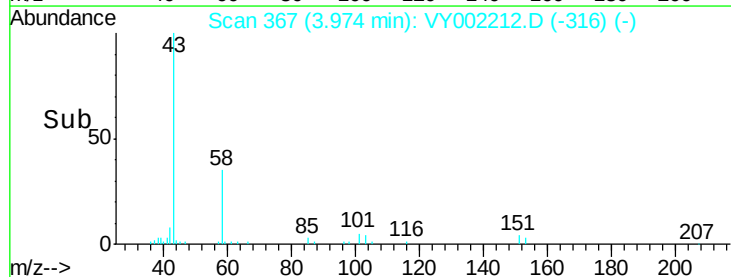
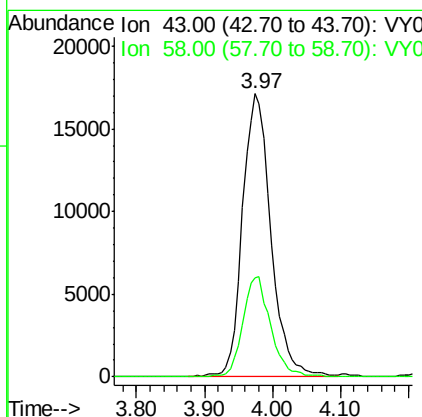
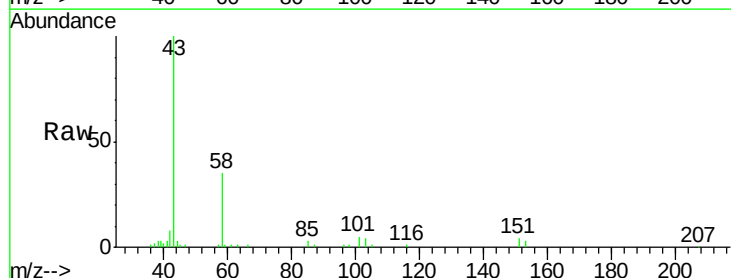
RT: 3.97 min Scan# 367

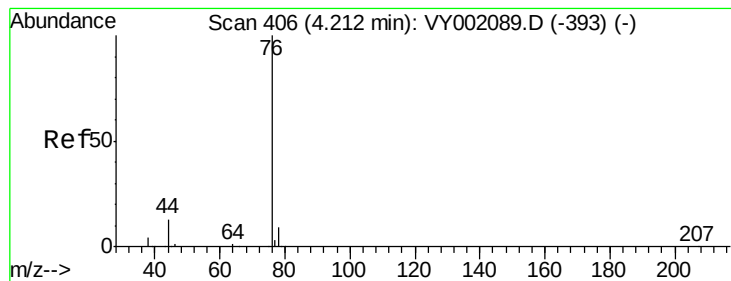
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	43	Resp:	49746
Ion	Ratio	Lower	Upper
43	100		
58	34.9	26.3	39.5





#17

Carbon Disulfide

Concen: 21.231 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 76 Resp: 118331

Ion Ratio Lower Upper

76 100

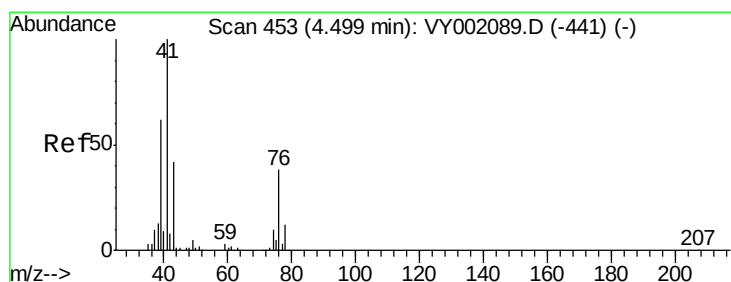
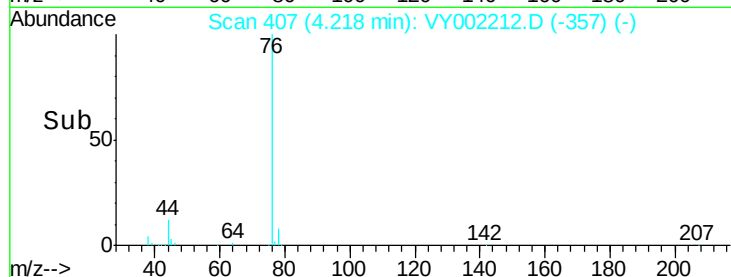
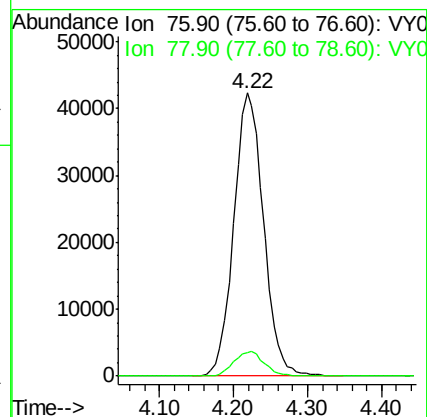
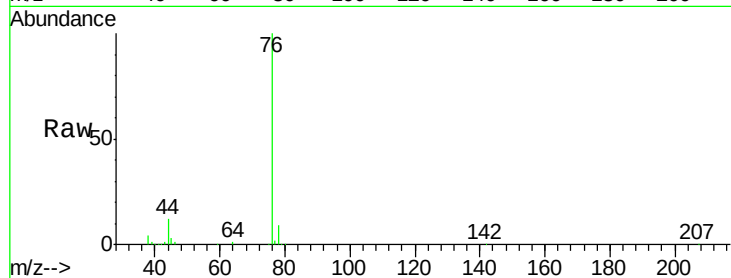
78 8.5 7.3 10.9

Manual Integrations

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MMDadoda

4/6/2020 11:30:32 AM



#18

Methyl Acetate

Concen: 21.705 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002212.D

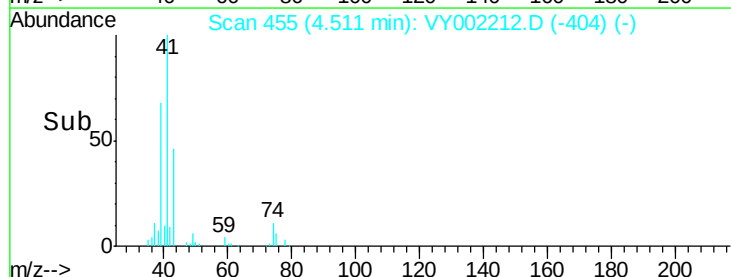
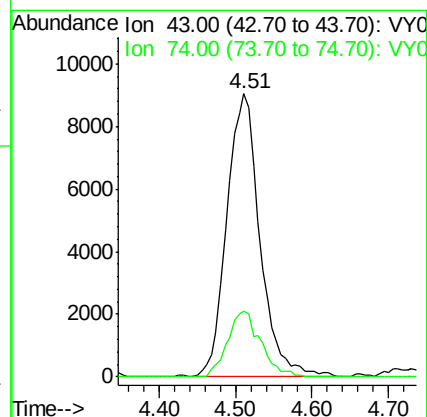
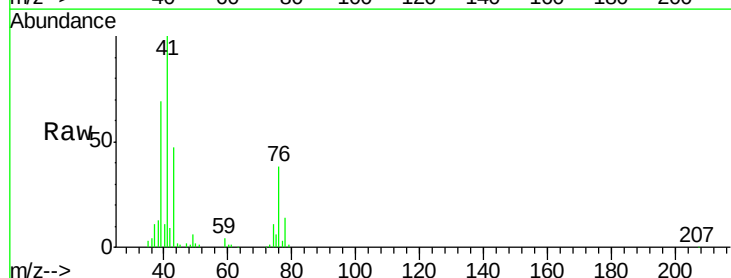
Acq: 03 Apr 2020 12:14

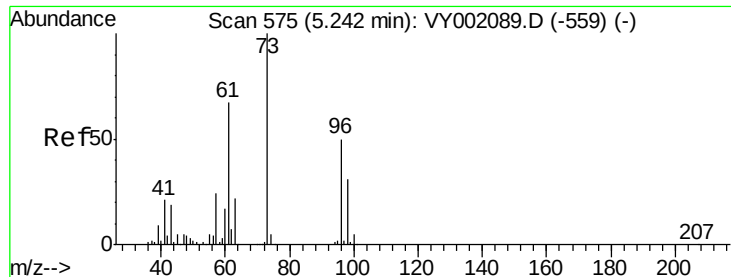
Tgt Ion: 43 Resp: 27094

Ion Ratio Lower Upper

43 100

74 23.1 18.3 27.5





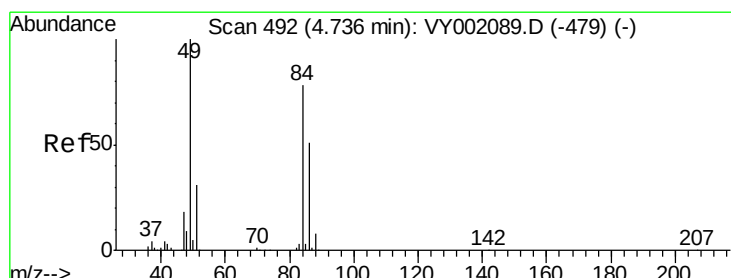
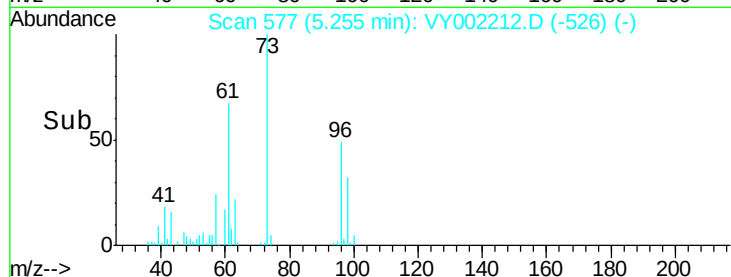
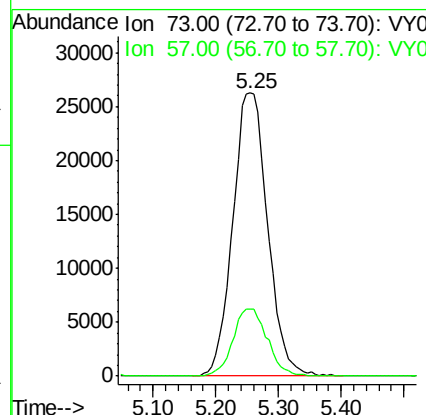
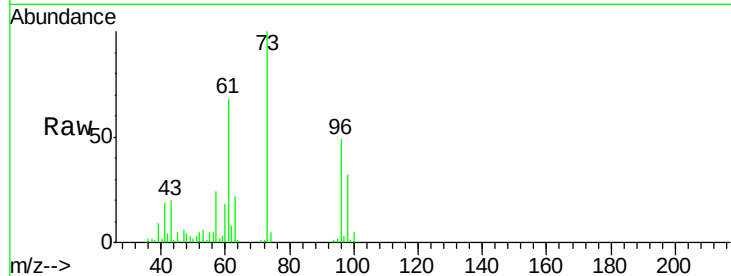
#19
Methyl tert-butyl Ether
Concen: 21.487 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.0	28.6

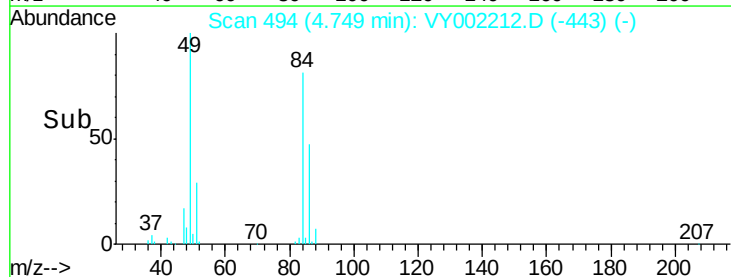
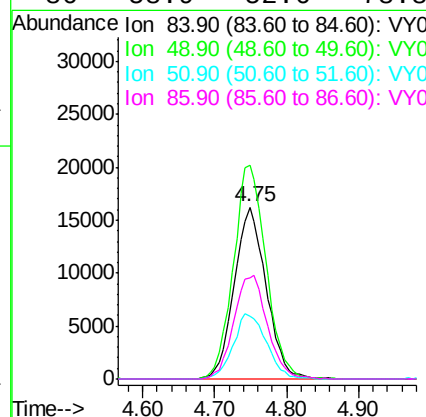
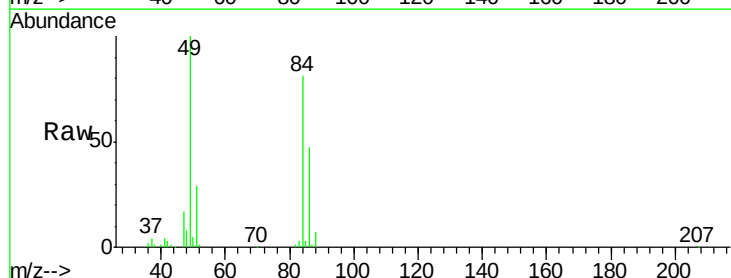
Manual Integrations
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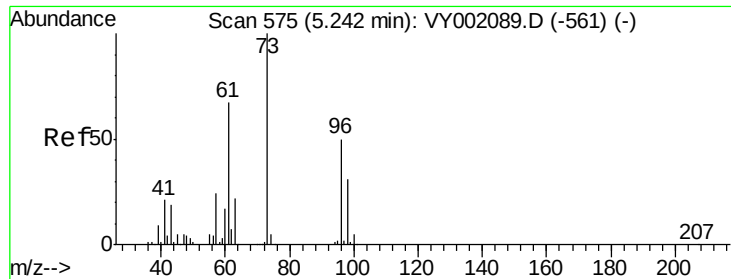
MMDadoda
4/6/2020 11:30:32 AM



#20
Methylene Chloride
Concen: 22.343 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	102.2	153.4
51	36.5	31.2	46.8
86	58.9	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 21.658 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

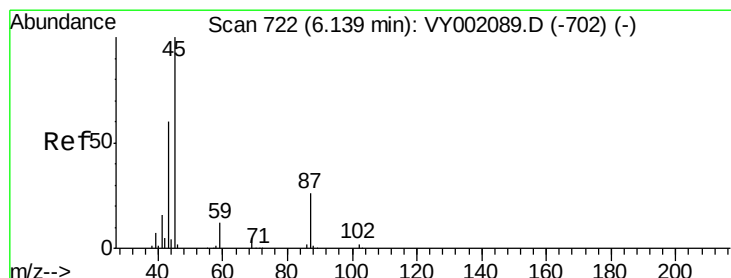
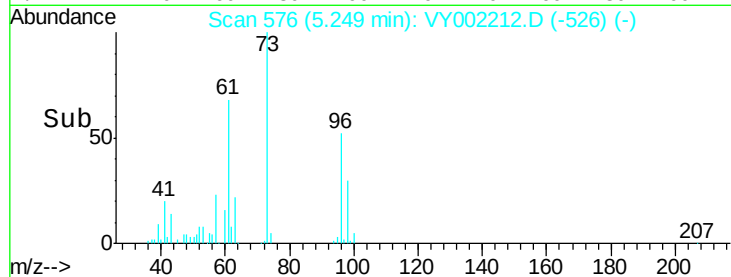
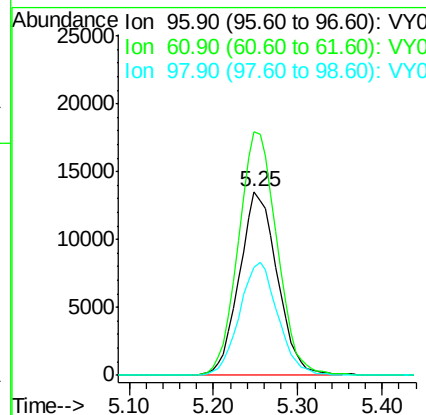
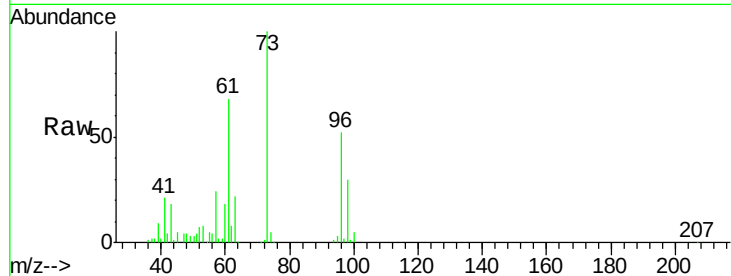
ClientSampleId :

VY0403SBS01

Tot Ion:	96	Resp:	41415
Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.7	161.5
98	58.6	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.190 ug/l

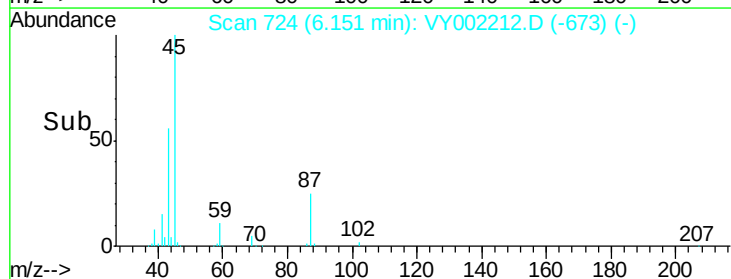
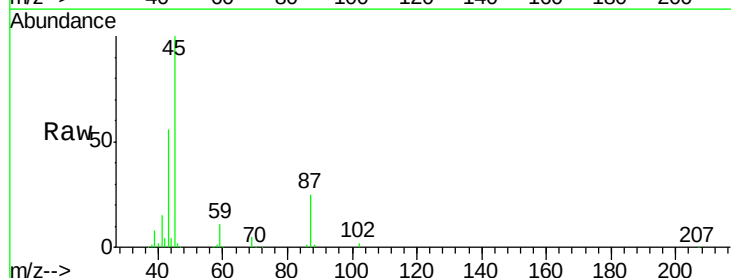
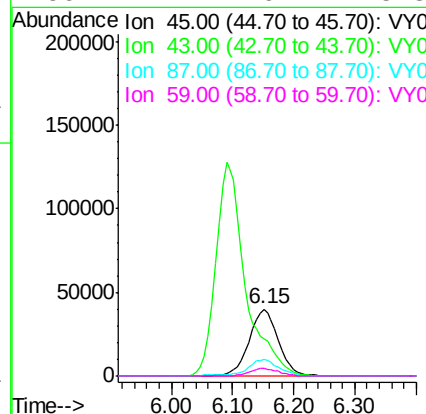
RT: 6.15 min Scan# 724

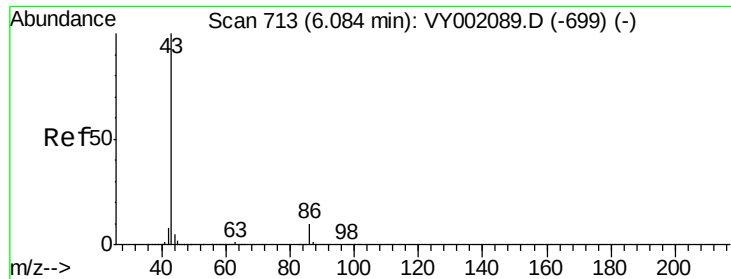
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	45	Resp:	133323
Ion	Ratio	Lower	Upper
45	100		
43	56.0	48.1	72.1
87	25.0	21.1	31.7
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 105.021 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tot Ion: 43 Resp: 433299

Ion Ratio Lower Upper

43 100

86 10.8 7.9 11.9

Instrument :

MSVOA_Y

ClientSampleId :

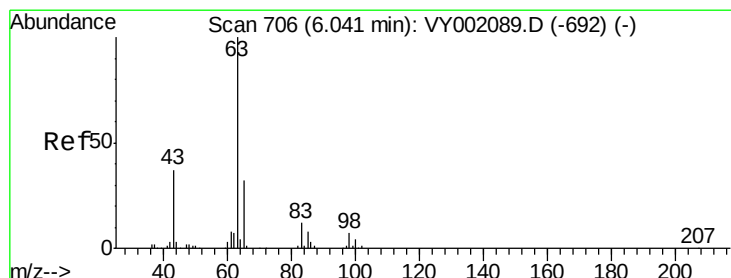
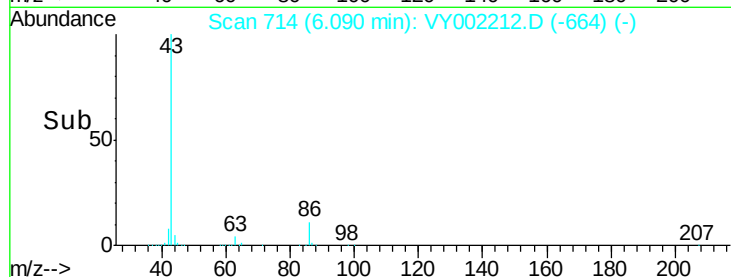
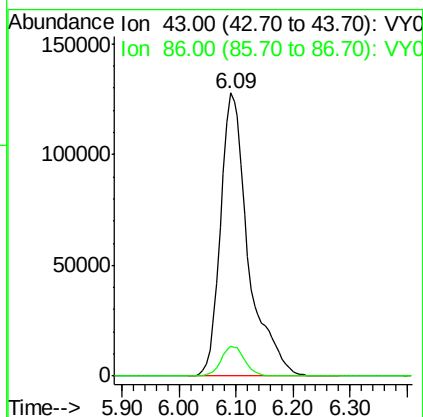
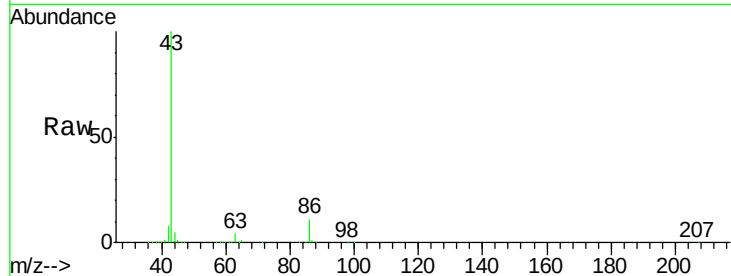
VY0403SBS01

Manual Integrations

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MMDadoda

4/6/2020 11:30:32 AM



#24

1,1-Dichloroethane

Concen: 21.319 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

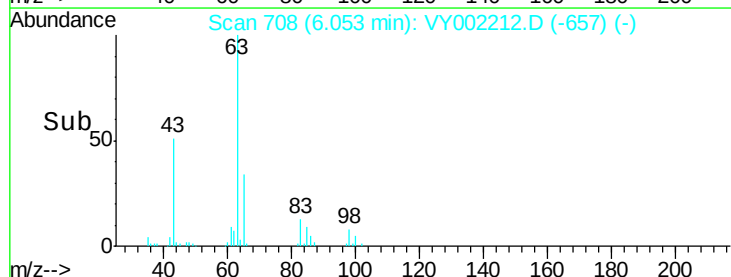
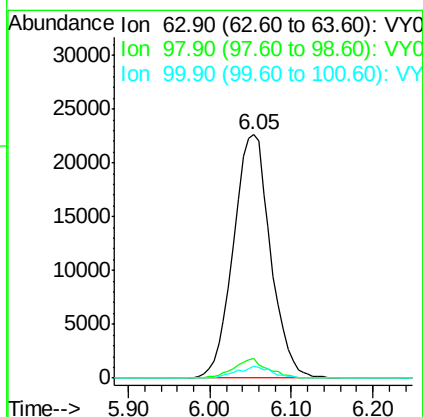
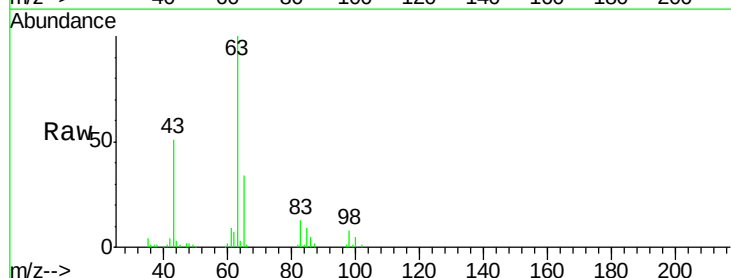
Tgt Ion: 63 Resp: 71319

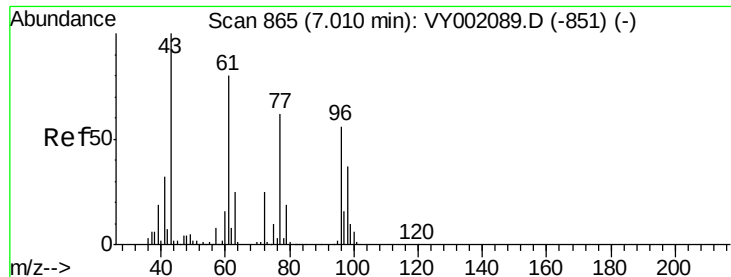
Ion Ratio Lower Upper

63 100

98 8.0 3.3 9.9

100 4.7 1.8 5.5





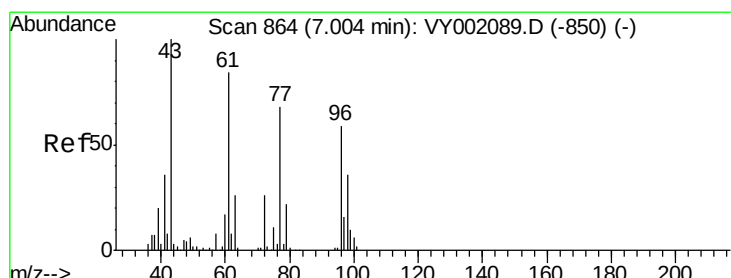
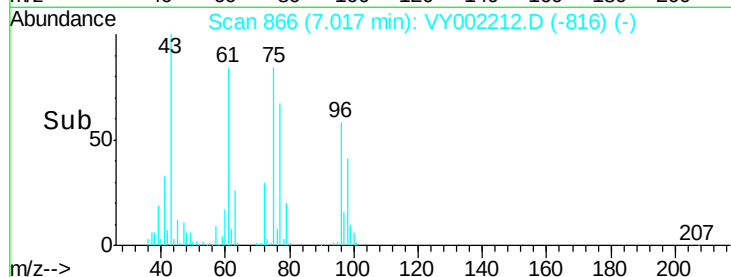
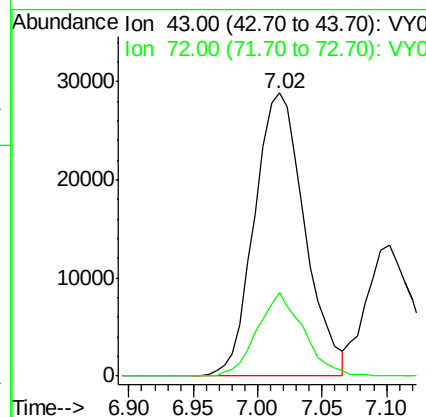
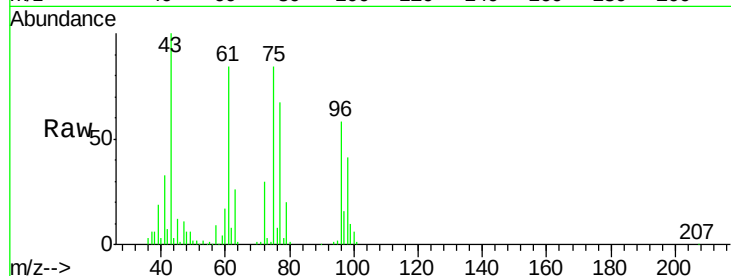
#25
2-Butanone
Concen: 105.814 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion: 43 Resp: 78104
Ion Ratio Lower Upper
43 100
72 29.6 20.2 30.2

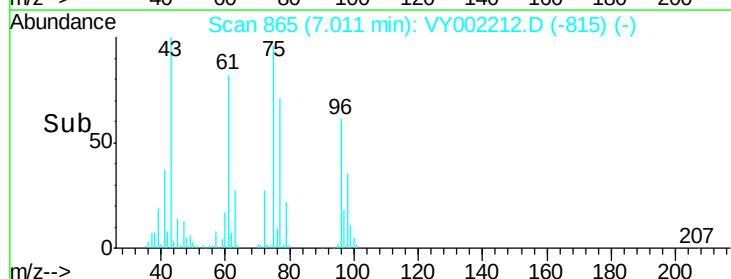
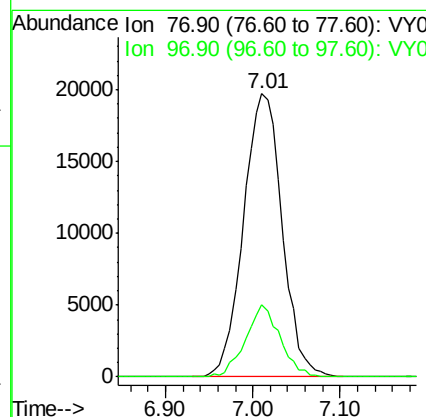
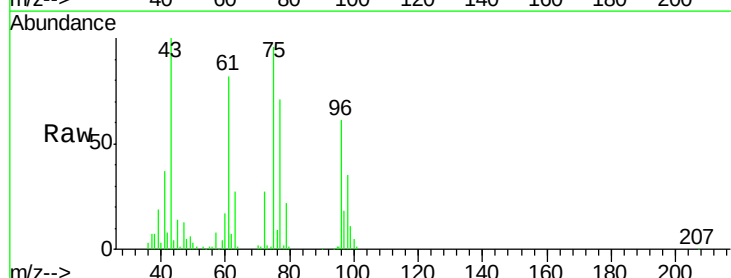
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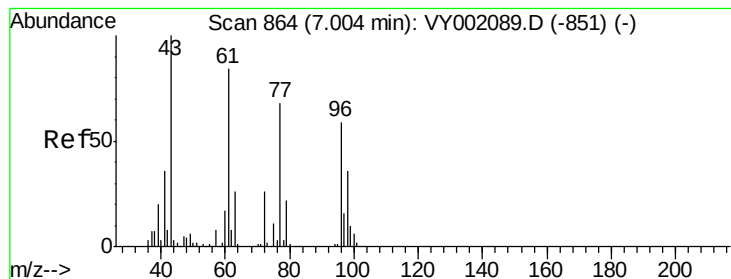
MMDadoda
4/6/2020 11:30:32 AM



#26
2,2-Dichloropropane
Concen: 21.957 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion: 77 Resp: 60495
Ion Ratio Lower Upper
77 100
97 22.8 11.7 35.1





#27

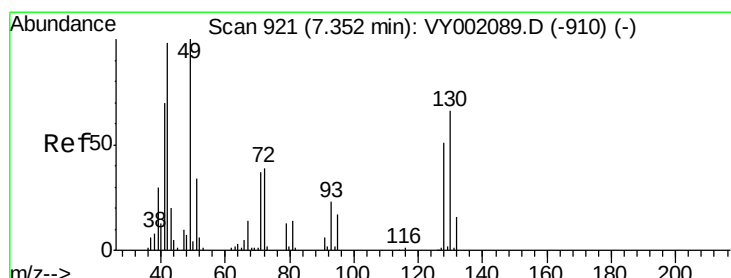
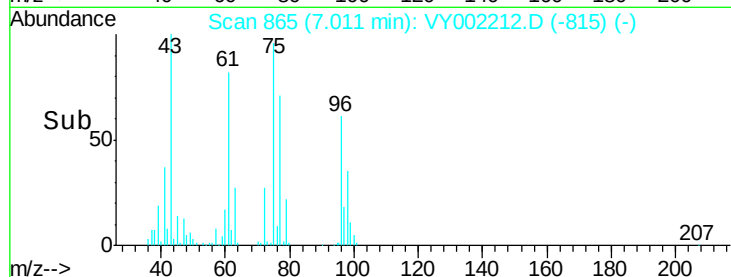
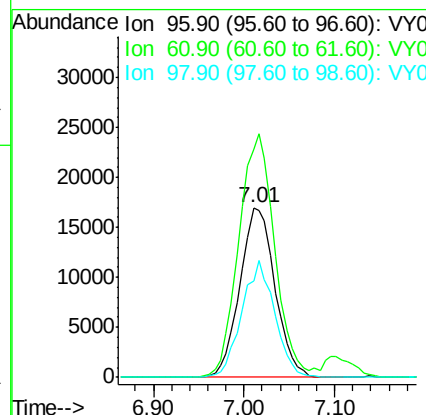
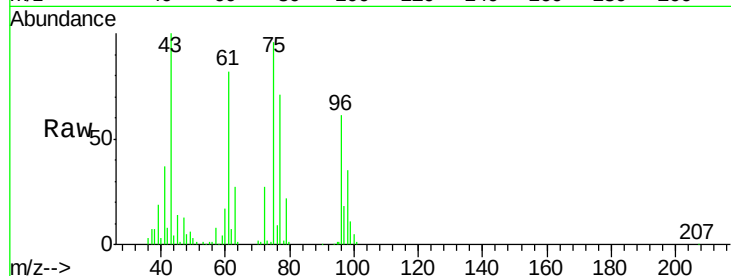
cis-1,2-Dichloroethene
 Concen: 21.704 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45659		
61	145.8		0.0	290.6
98	64.3		0.0	128.0

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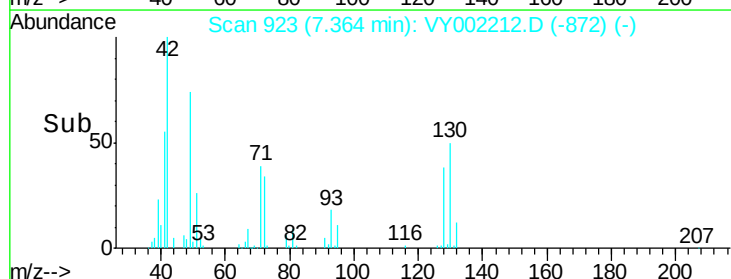
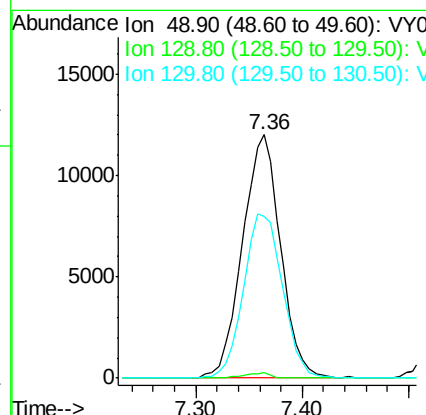
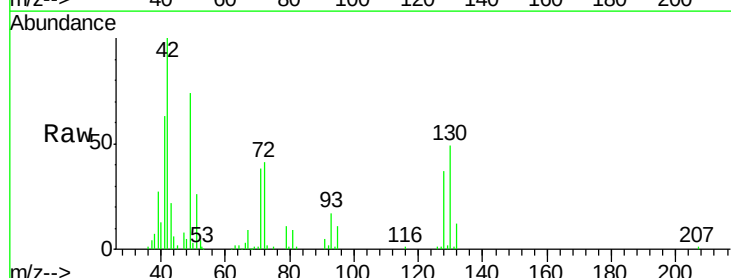
MMDadoda
 4/6/2020 11:30:32 AM

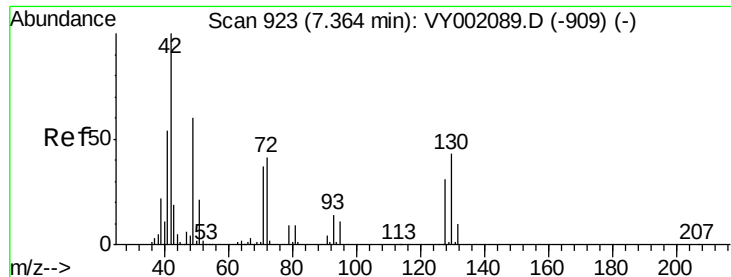


#28

Bromochloromethane
 Concen: 19.712 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30106		
129	1.5		0.0	3.4
130	69.4		54.1	81.1





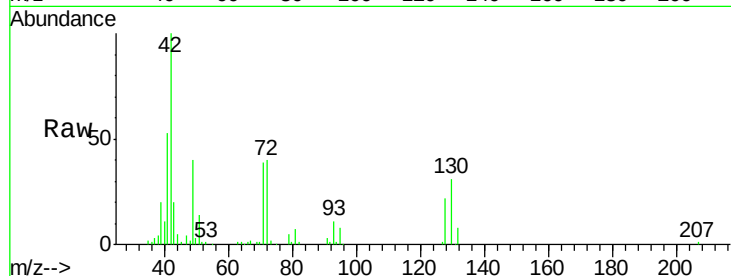
#29
Tetrahydrofuran
Concen: 105.068 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

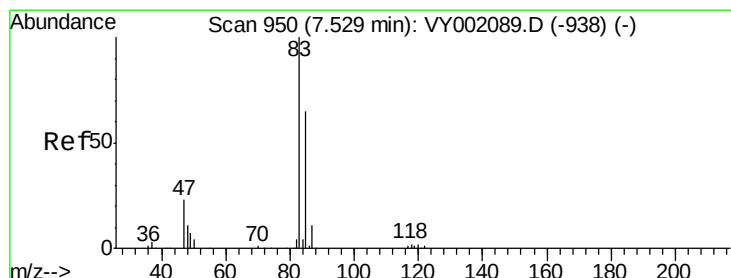
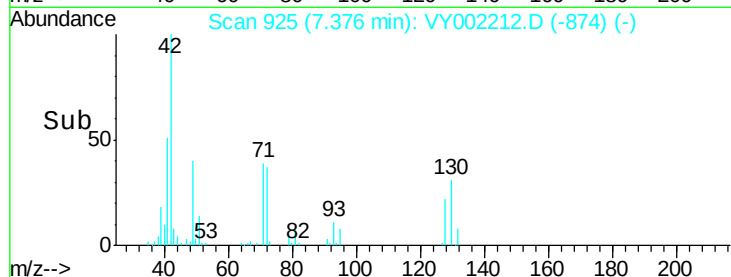
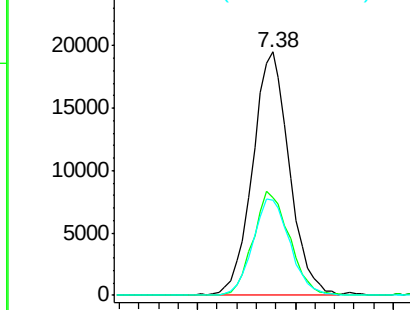
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.4
71	40.1	31.2	46.8

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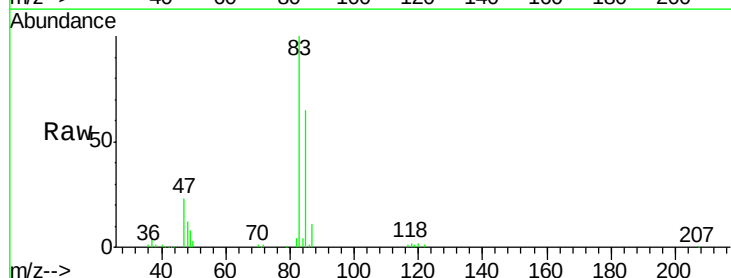


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

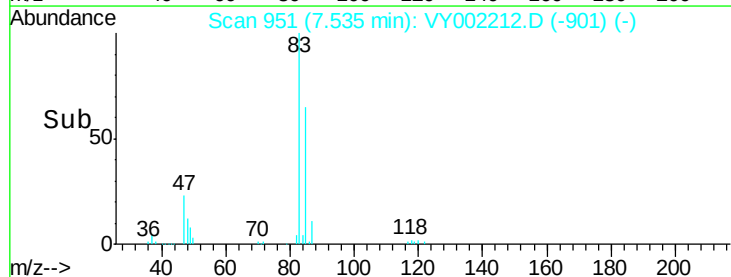
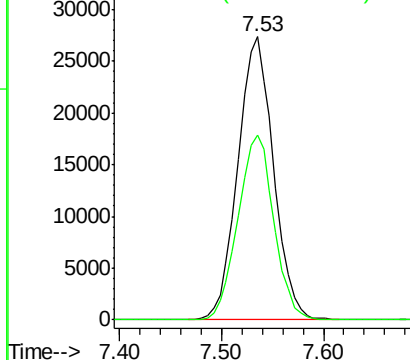


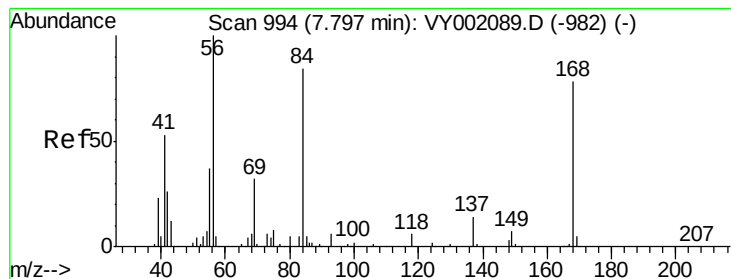
#30
Chloroform
Concen: 20.924 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 20.714 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

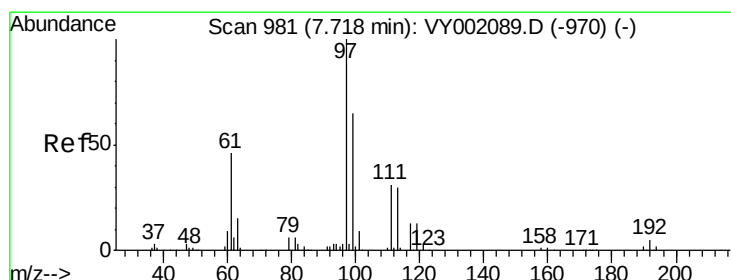
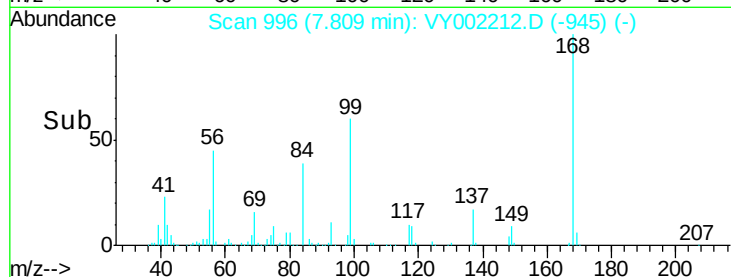
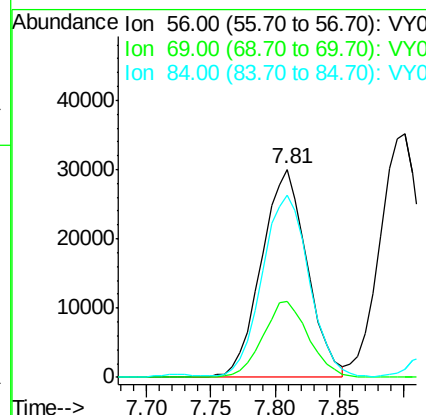
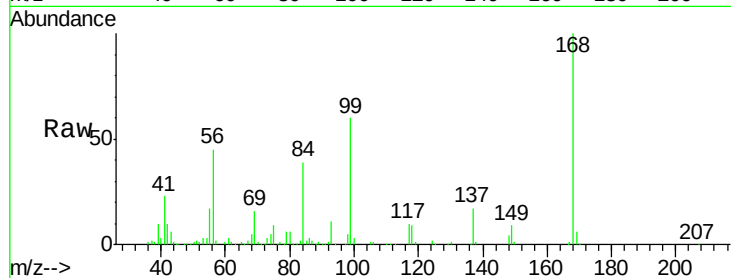
ClientSampleId :

VY0403SBS01

Tot Ion:	56	Resp:	73838
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.8	38.8
84	86.5	67.1	100.7

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#32

1,1,1-Trichloroethane

Concen: 21.234 ug/l

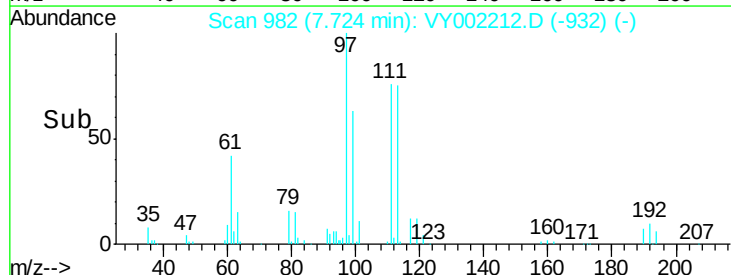
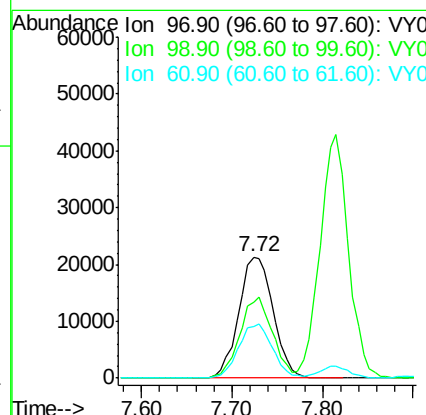
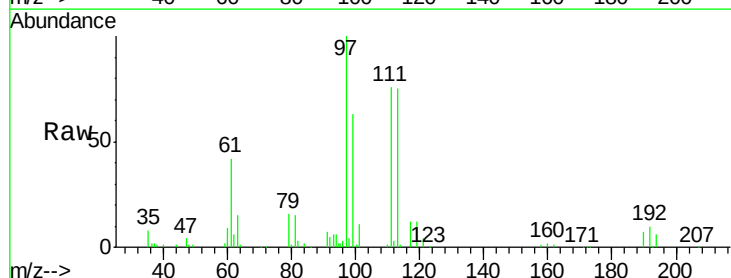
RT: 7.72 min Scan# 982

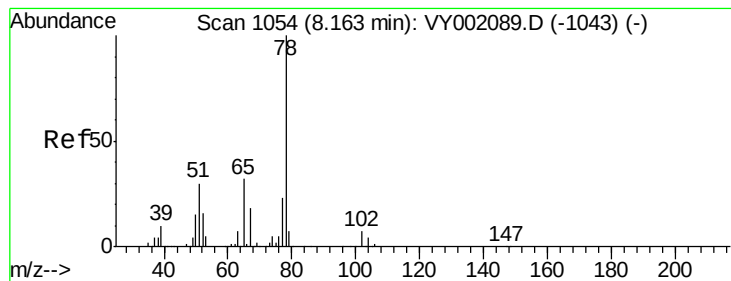
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	97	Resp:	56217
Ion Ratio	Lower	Upper	
97	100		
99	63.4	52.0	78.0
61	44.1	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 50.574 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 65 Resp: 86533

Ion Ratio Lower Upper

65 100

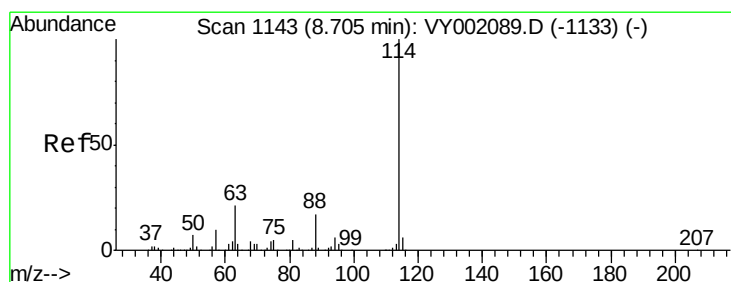
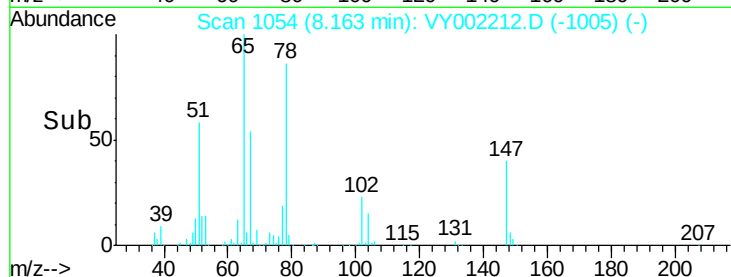
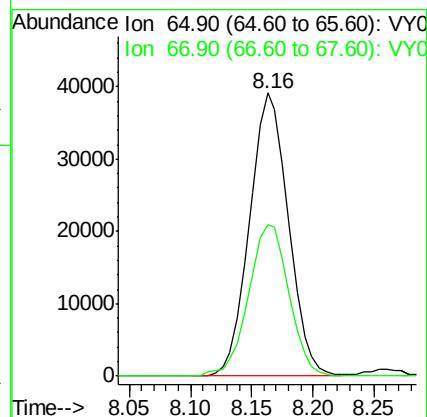
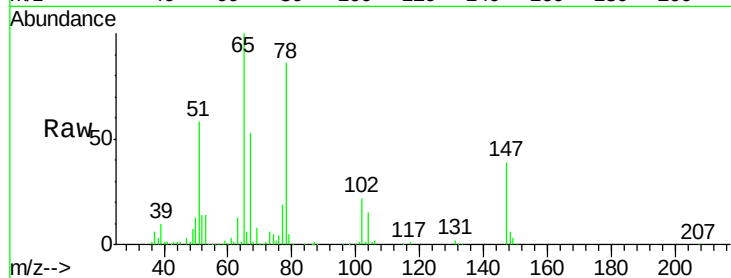
67 55.6 0.0 112.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

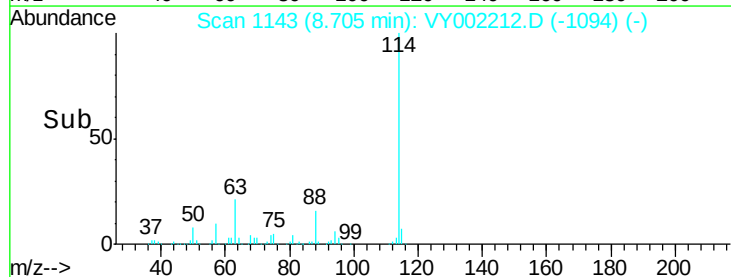
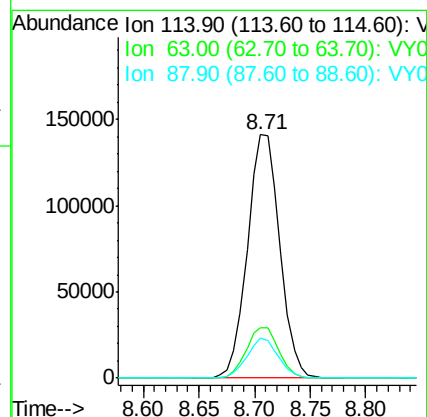
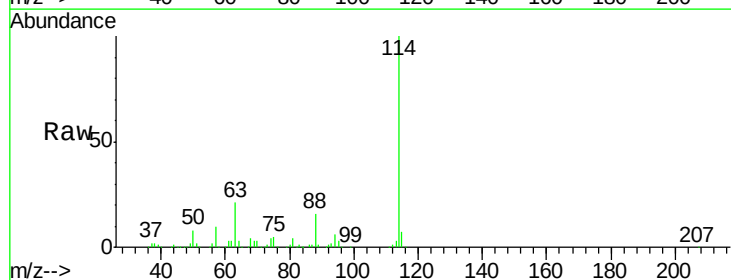
Tgt Ion: 114 Resp: 285041

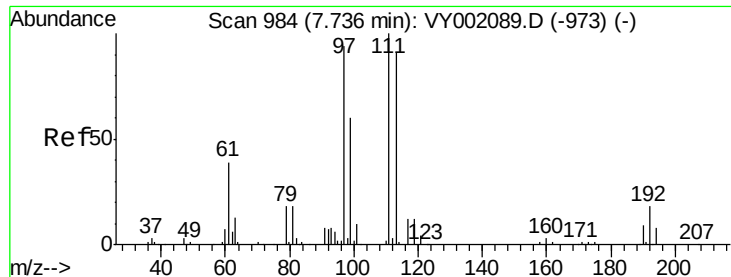
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.786 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

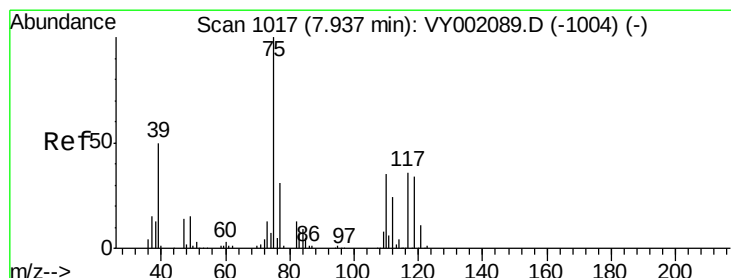
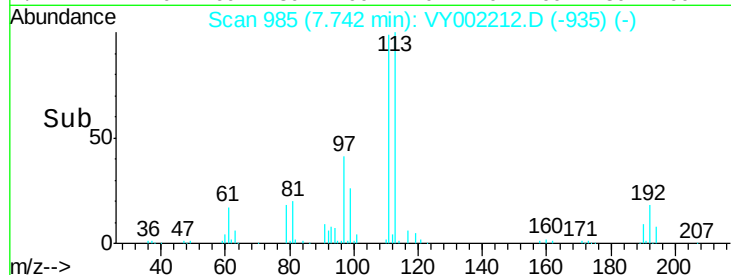
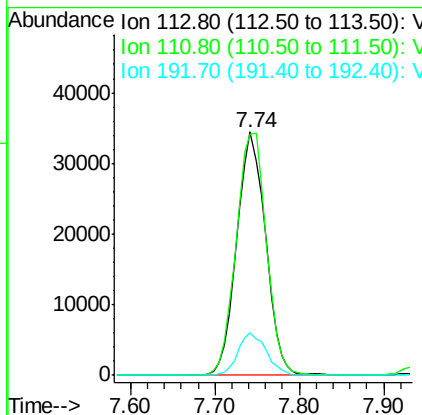
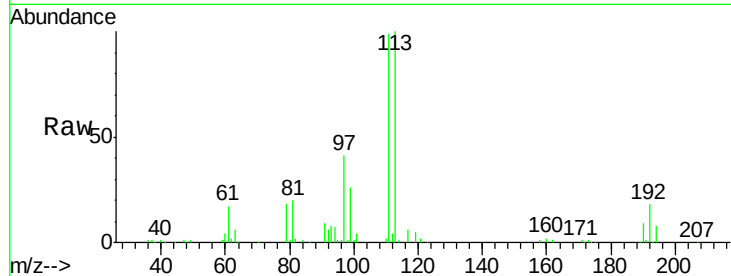
ClientSampleId :

VY0403SBS01

Tot Ion:	113	Resp:	79514
Ion	Ratio	Lower	Upper
113	100		
111	104.3	84.4	126.6
192	17.2	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 20.588 ug/l

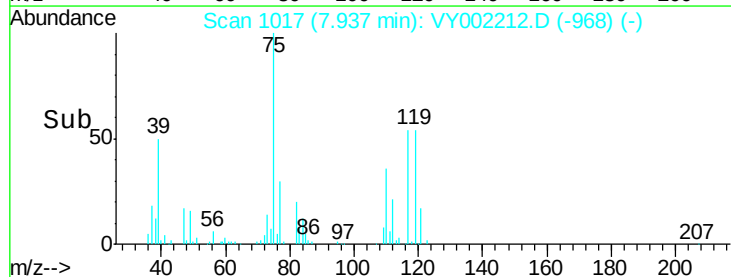
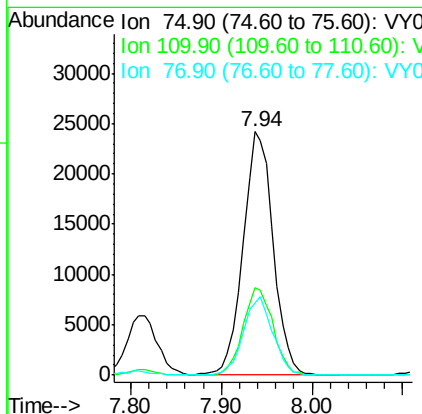
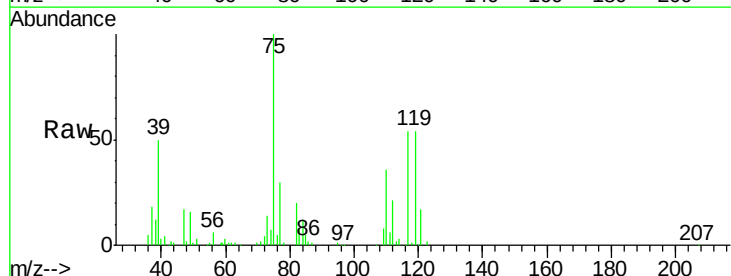
RT: 7.94 min Scan# 1017

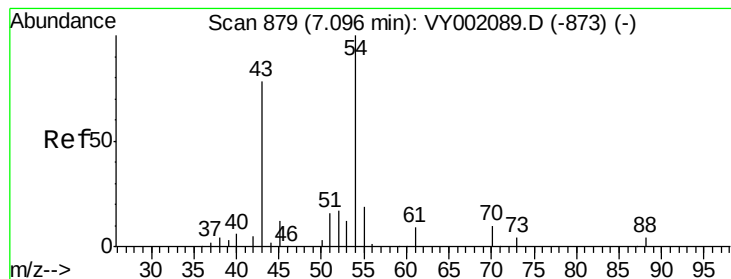
Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	75	Resp:	55506
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.2	51.6
77	31.6	24.7	37.1





#37

Ethyl Acetate

Concen: 21.090 ug/l

RT: 7.10 min Scan# 880

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

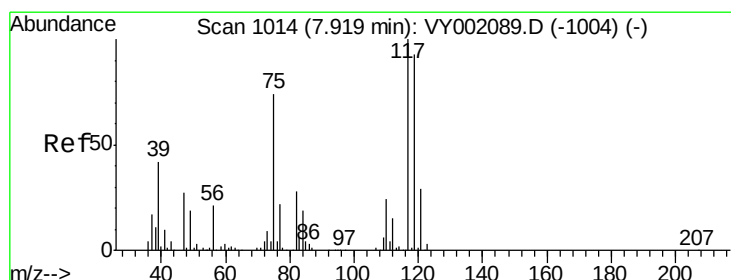
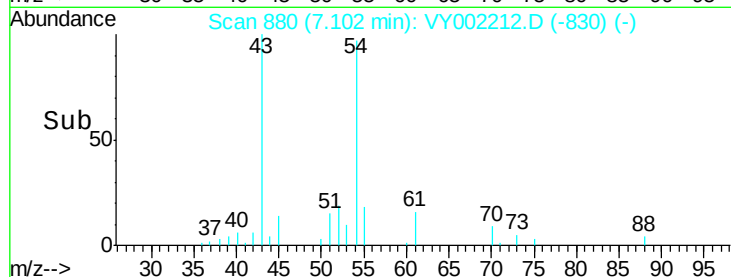
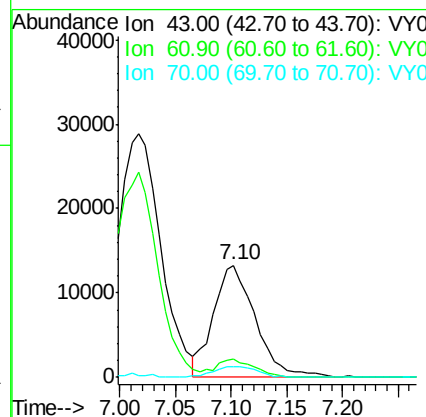
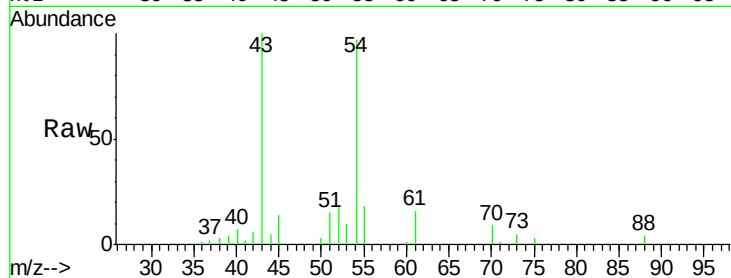
ClientSampleId :

VY0403SBS01

Tot Ion:	43	Resp:	34362
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	10.7	8.2	12.4

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#38

Carbon Tetrachloride

Concen: 21.198 ug/l

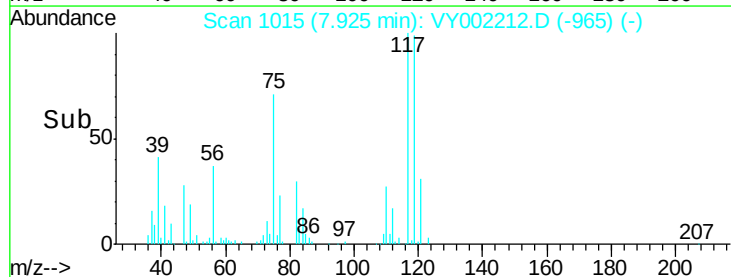
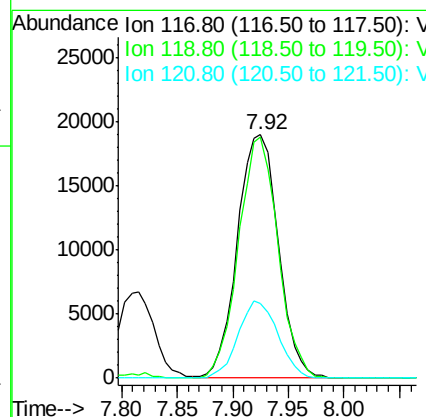
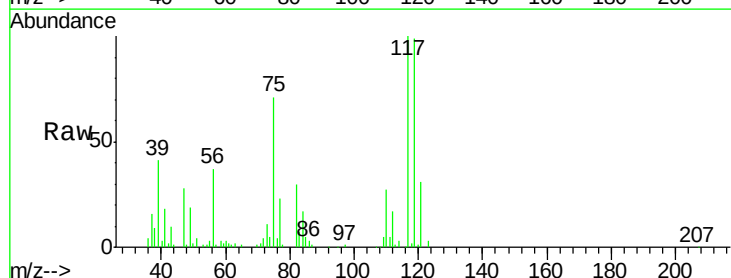
RT: 7.92 min Scan# 1015

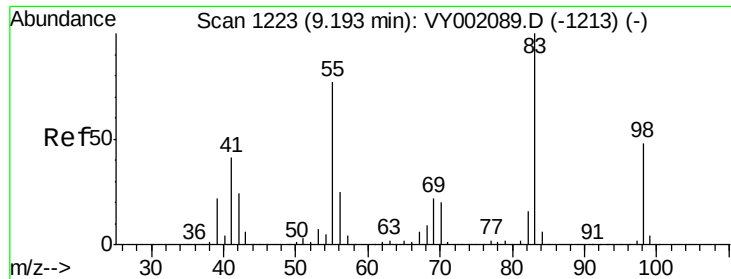
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	117	Resp:	48488
Ion	Ratio	Lower	Upper
117	100		
119	98.8	74.3	111.5
121	30.8	23.3	34.9





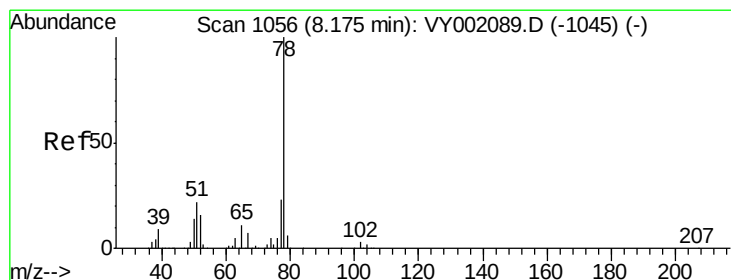
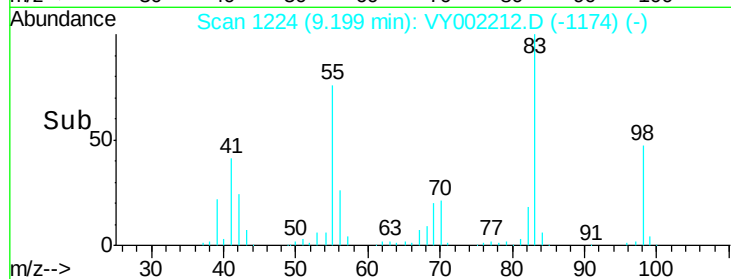
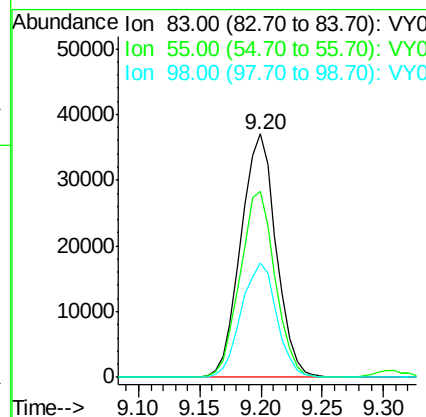
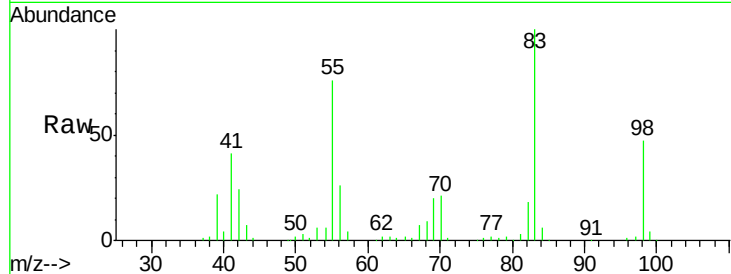
#39
Methylvlcyclohexane
Concen: 21.003 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.2	91.8
98	47.0	38.2	57.2

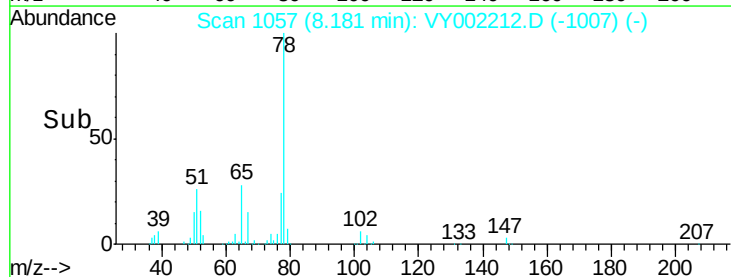
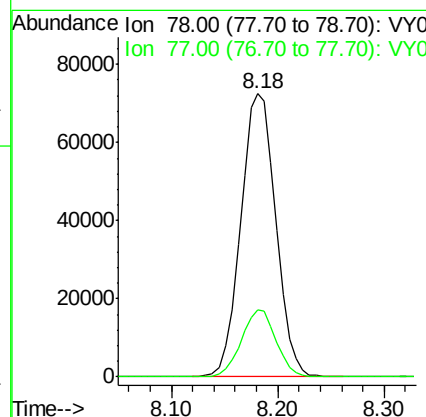
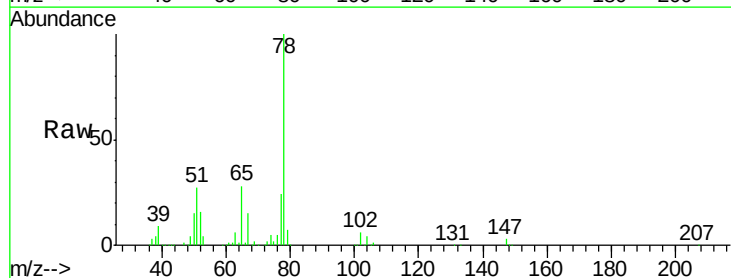
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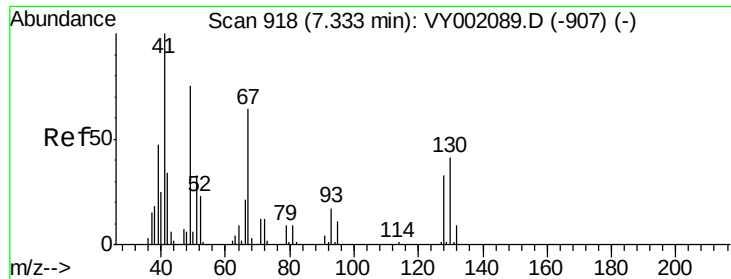
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#40
Benzene
Concen: 20.934 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.4





#41

Methacrylonitrile

Concen: 23.276 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 41 Resp: 19182

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

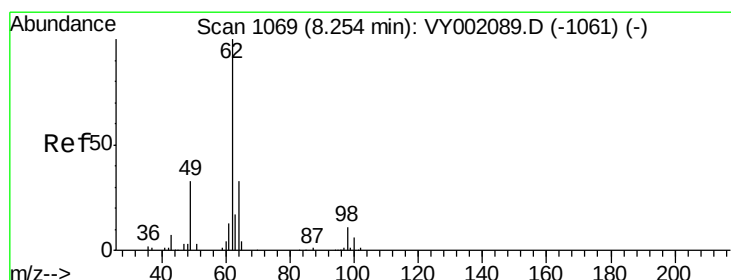
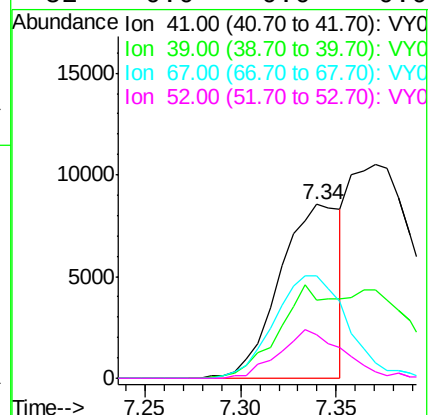
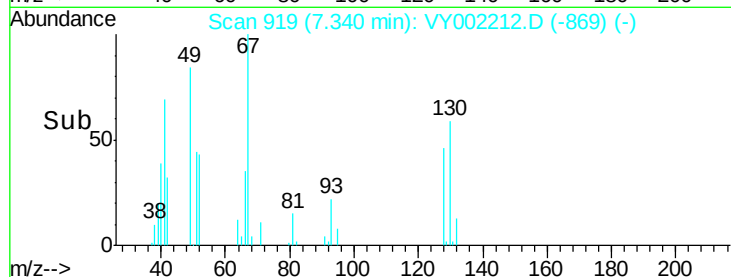
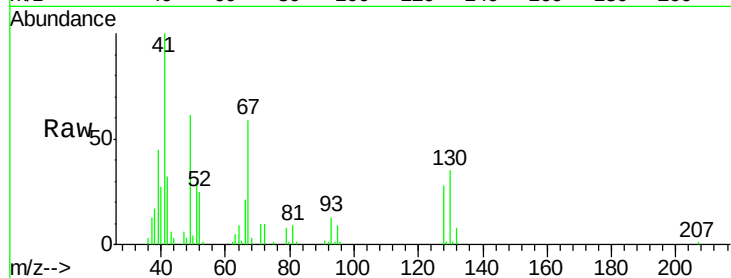
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.581 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VY002212.D

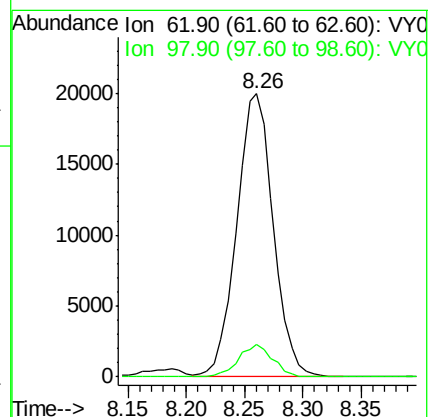
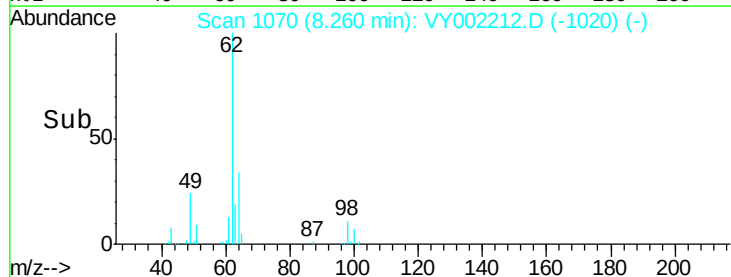
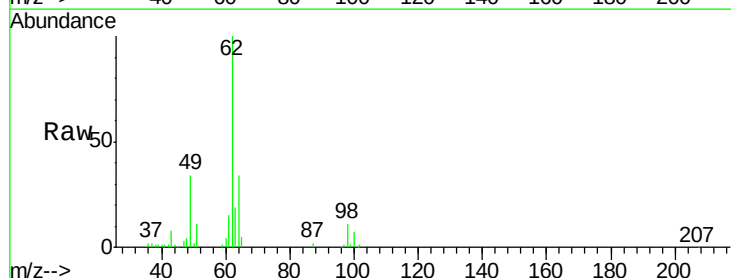
Acq: 03 Apr 2020 12:14

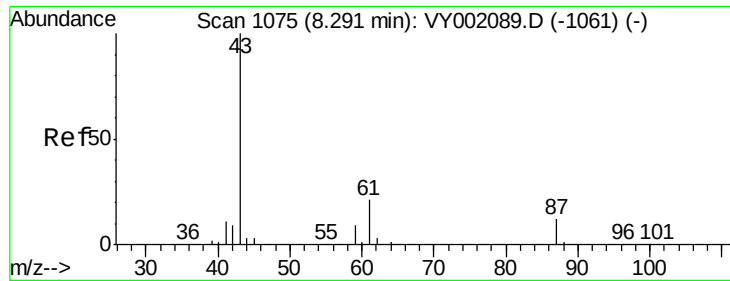
Tgt Ion: 62 Resp: 43637

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.2





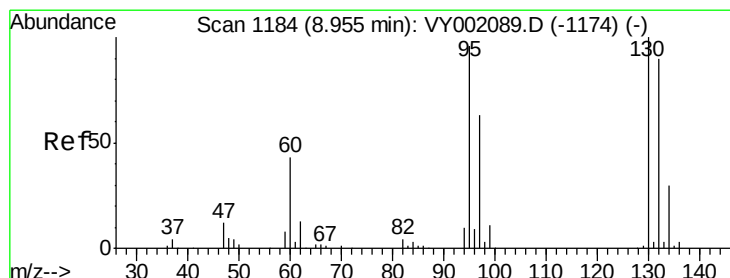
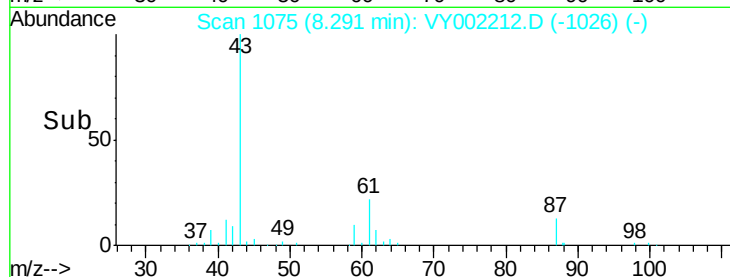
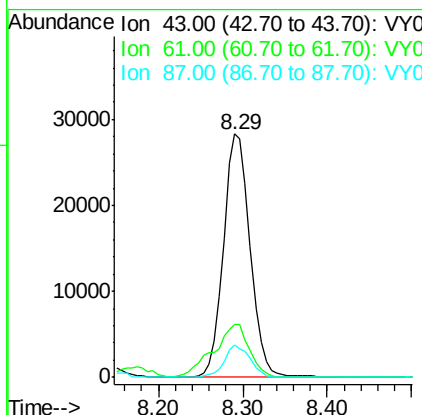
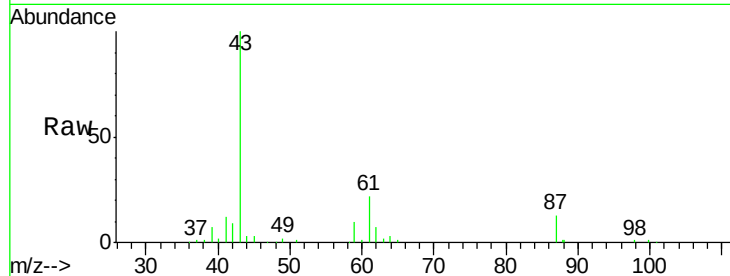
#43
Isopropyl Acetate
Concen: 20.310 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.4	35.2
87	12.8	10.2	15.4

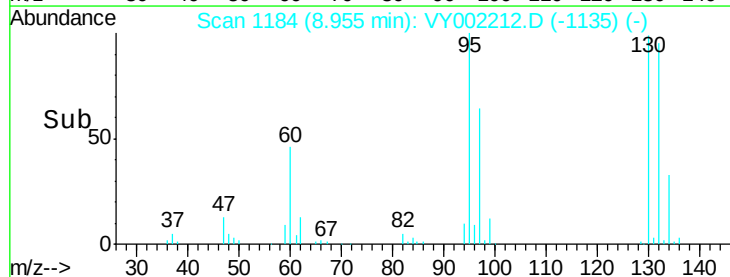
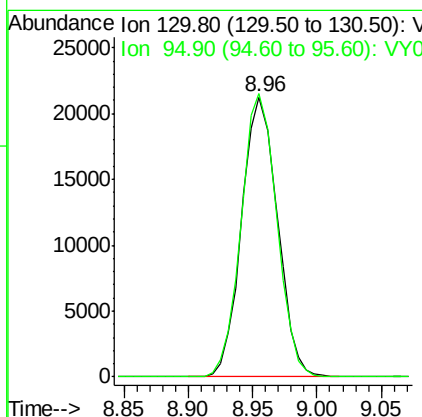
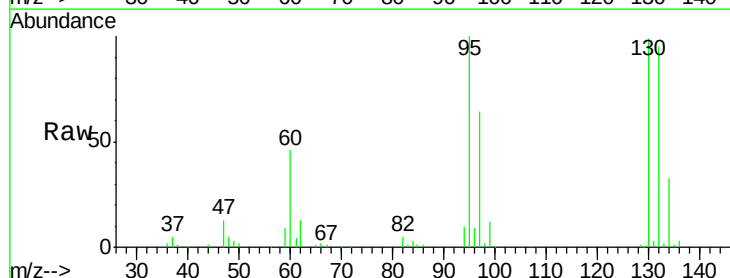
Manual Integrations
APPROVED

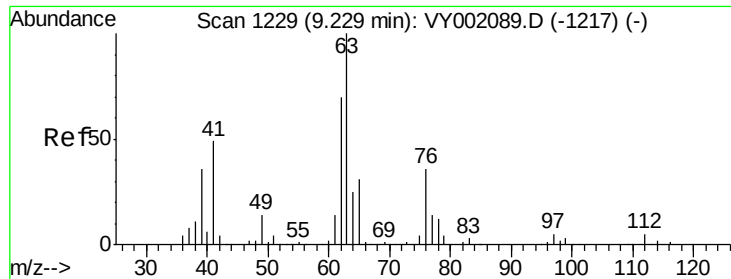
MMDadoda
4/6/2020 11:30:32 AM



#44
Trichloroethene
Concen: 21.290 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	193.0





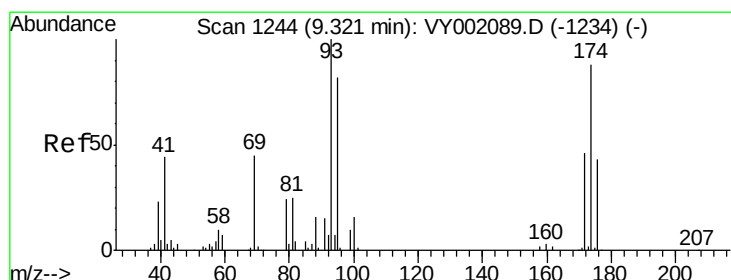
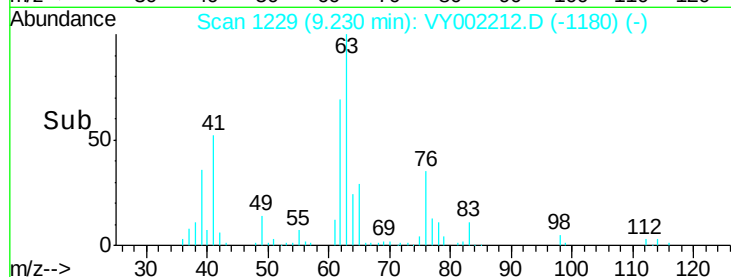
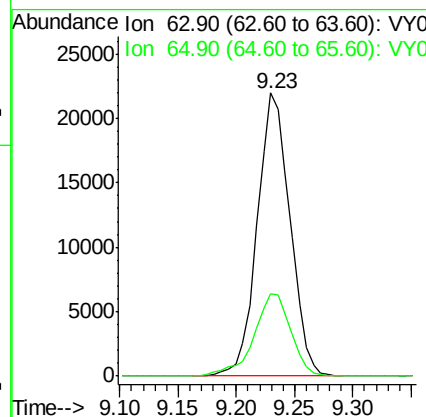
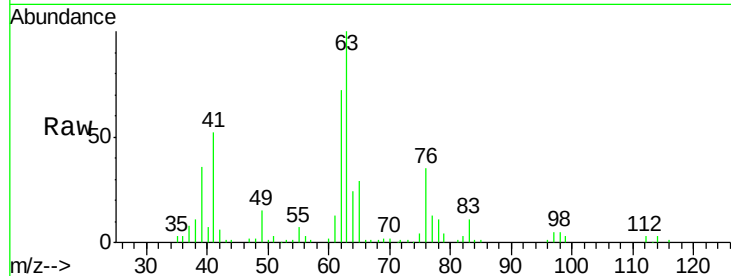
#45
 1,2-Dichloropropane
 Concen: 21.079 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion: 63 Resp: 42864
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.6

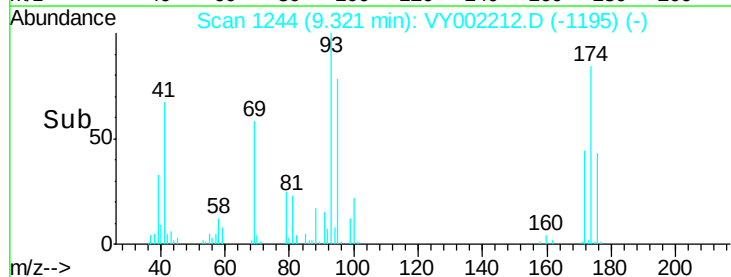
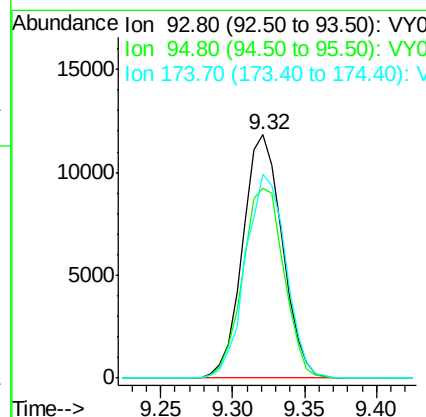
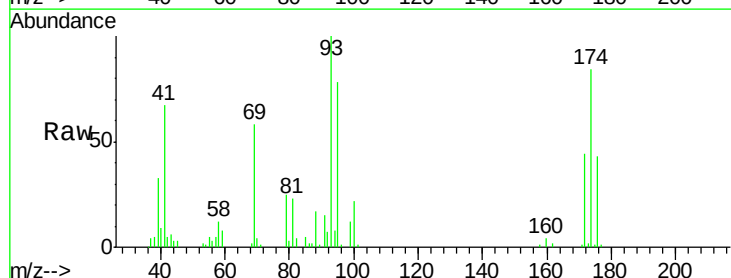
Manual Integrations
 APPROVED

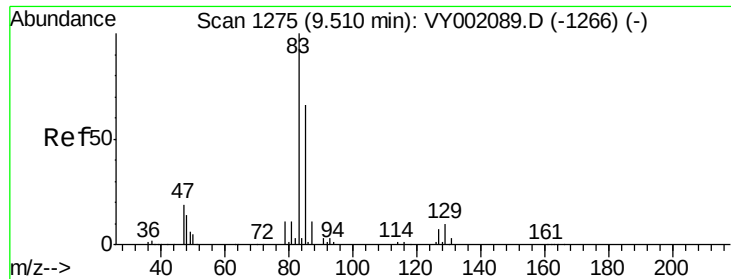
MMDadoda
 4/6/2020 11:30:32 AM



#46
 Dibromomethane
 Concen: 21.529 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion: 93 Resp: 22483
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.0 99.0
 174 85.2 69.8 104.8





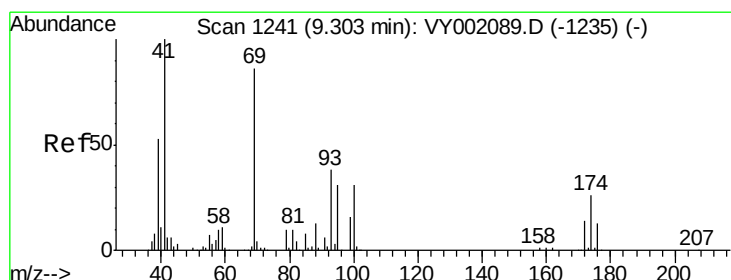
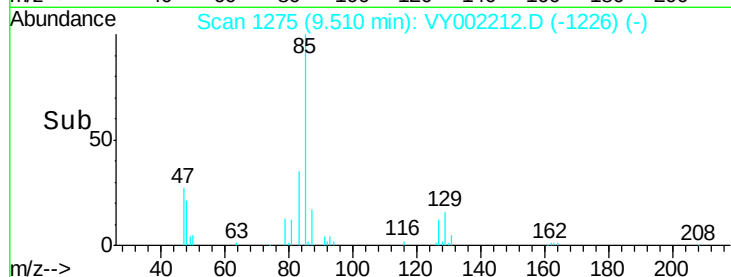
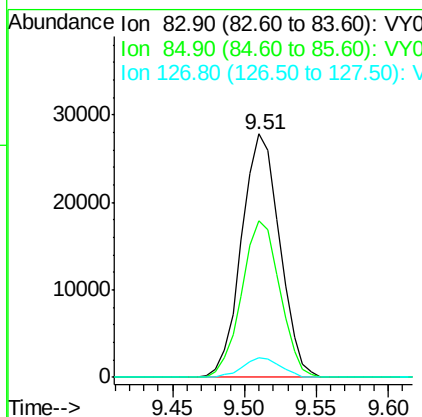
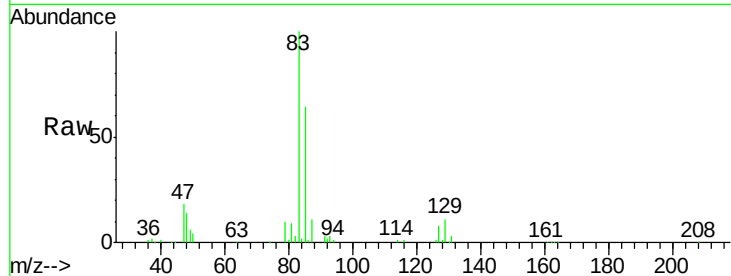
#47
Bromodichloromethane
Concen: 21.000 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	83	Resp	51053
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.6	79.0
127	8.0	5.9	8.9

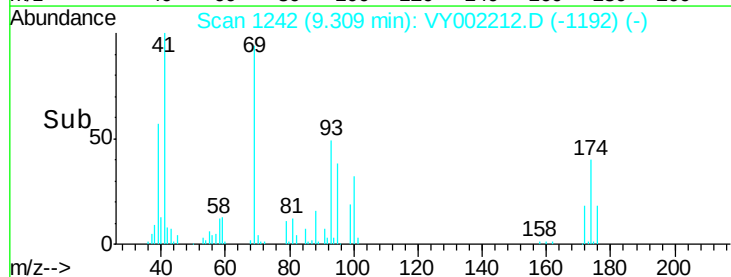
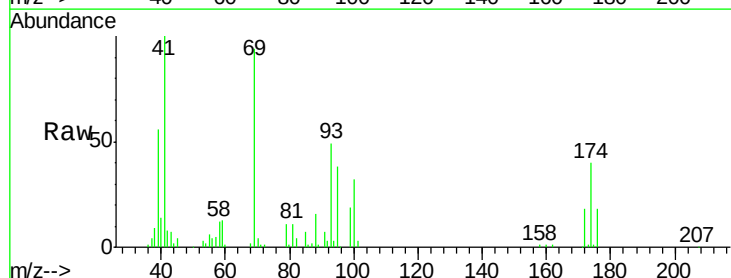
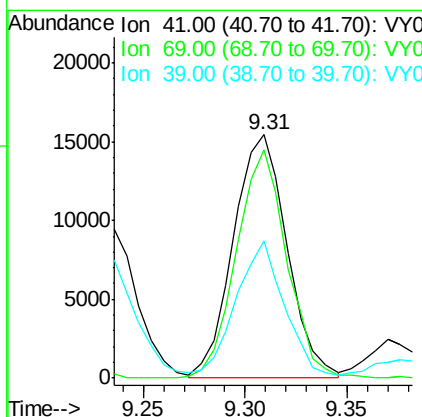
Manual Integrations
APPROVED

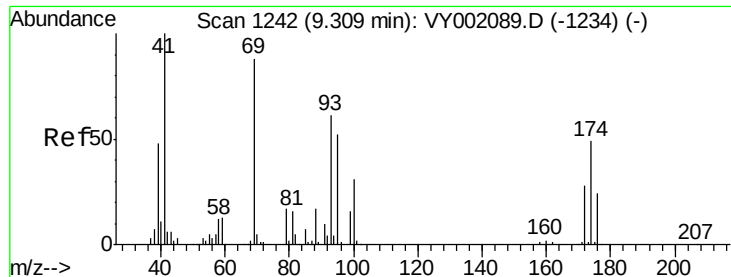
MMDadoda
4/6/2020 11:30:32 AM



#48
Methyl methacrylate
Concen: 20.846 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	41	Resp	28249
Ion Ratio	100	Lower	Upper
41	100		
69	87.7	71.4	107.0
39	48.8	41.0	61.4





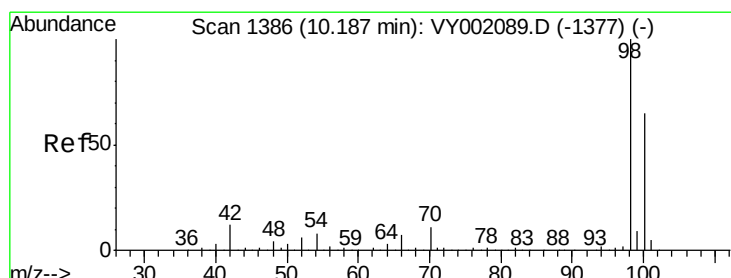
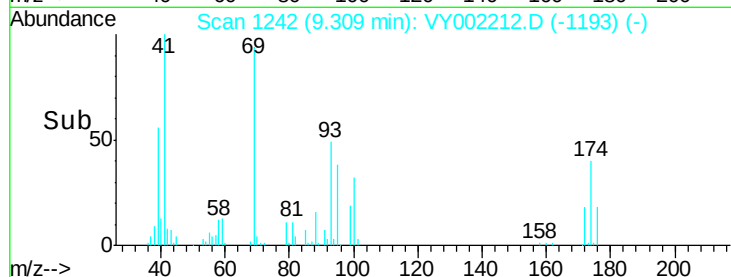
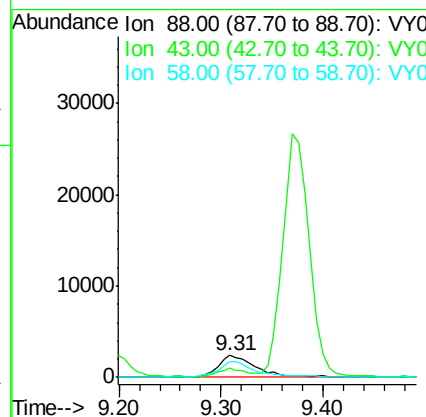
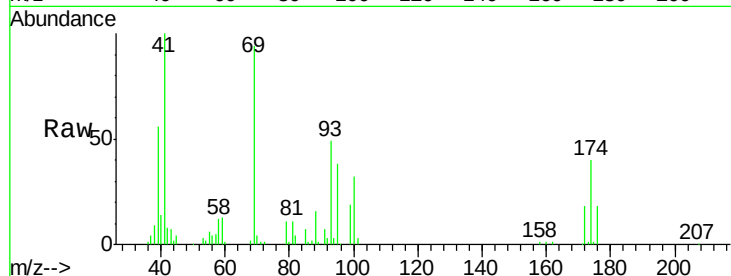
#49
1,4-Dioxane
Concen: 430.487 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	27.2	40.8
58	75.5	59.8	89.8

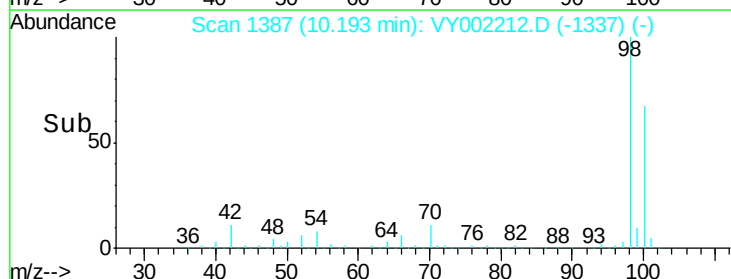
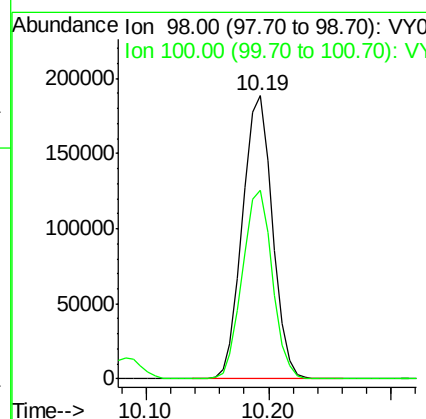
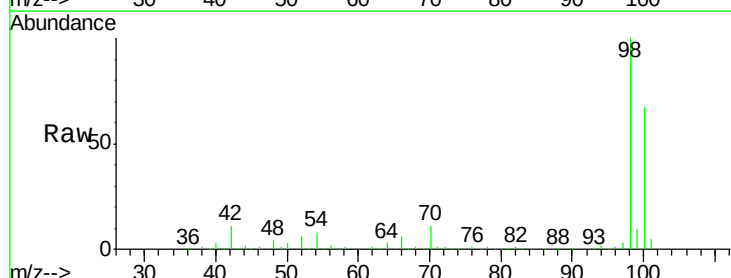
Manual Integrations
APPROVED

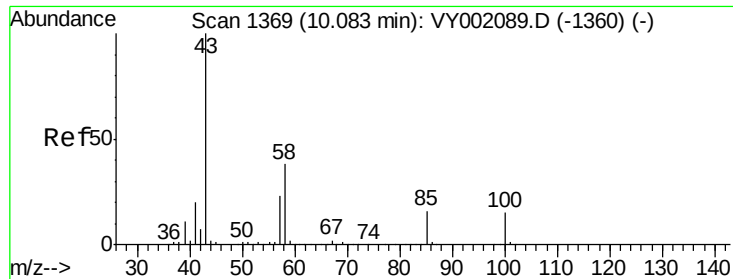
MMDadoda
4/6/2020 11:30:32 AM



#50
Toluene-d8
Concen: 48.340 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.790 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 43 Resp: 170954

Ion Ratio Lower Upper

43 100

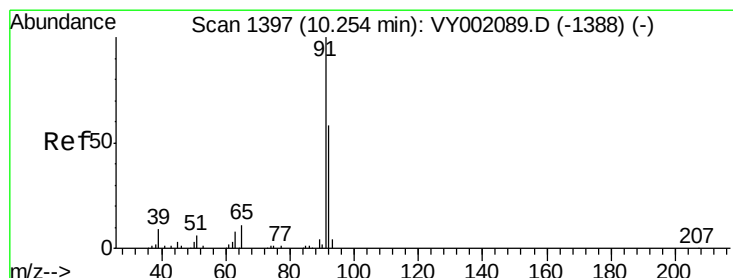
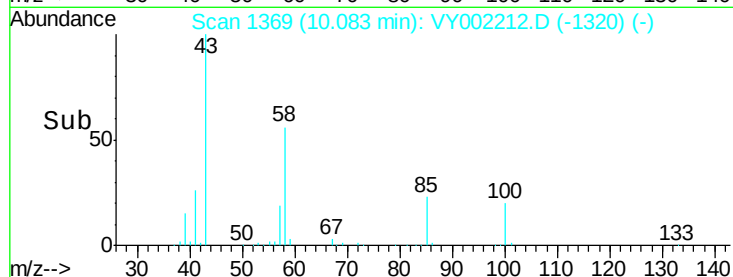
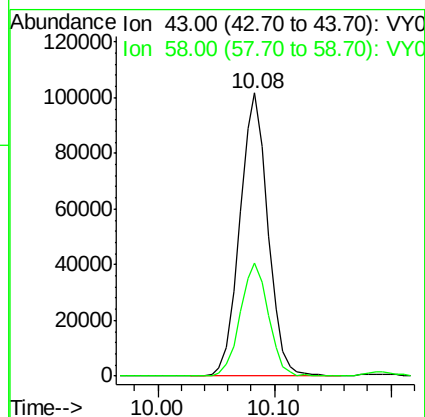
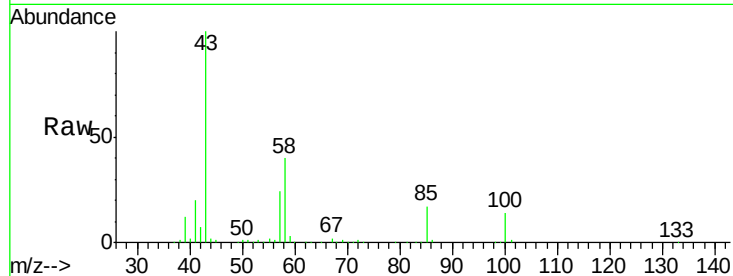
58 40.2 31.6 47.4

Manual Integrations

APPROVED

MMDadoda

4/6/2020 11:30:32 AM



#52

Toluene

Concen: 20.880 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002212.D

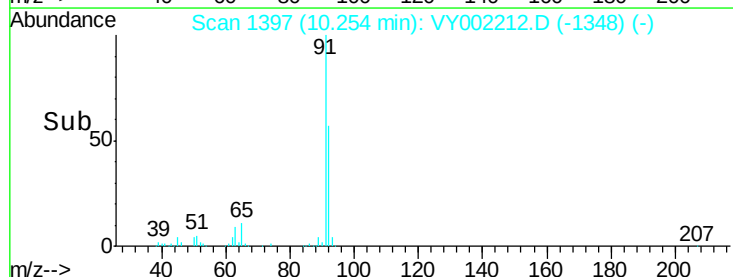
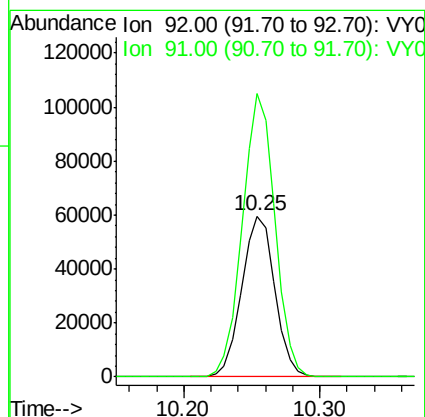
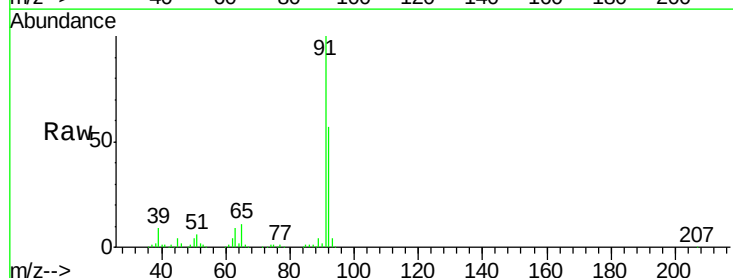
Acq: 03 Apr 2020 12:14

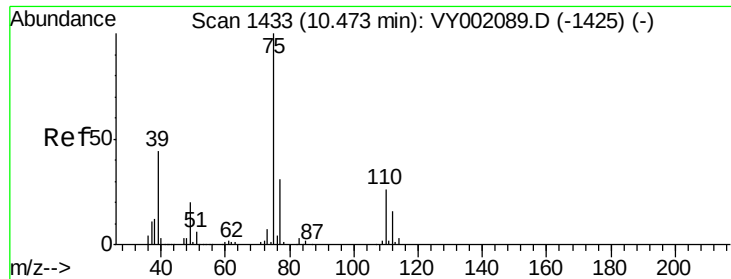
Tgt Ion: 92 Resp: 100858

Ion Ratio Lower Upper

92 100

91 173.6 139.3 208.9





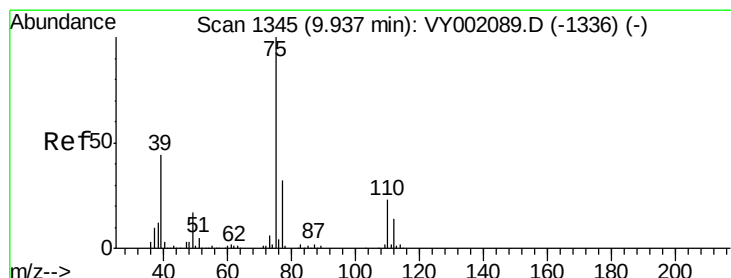
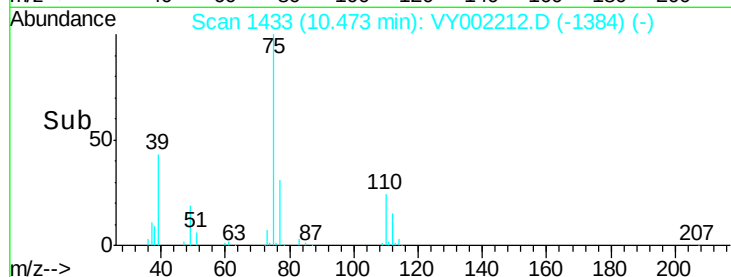
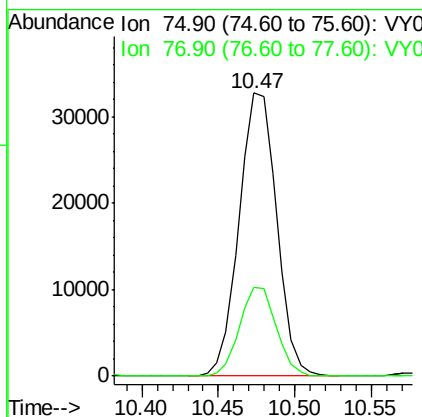
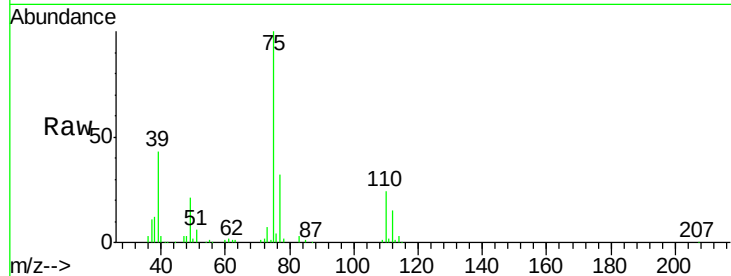
#53
t-1,3-Dichloropropene
Concen: 20.749 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampled :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8

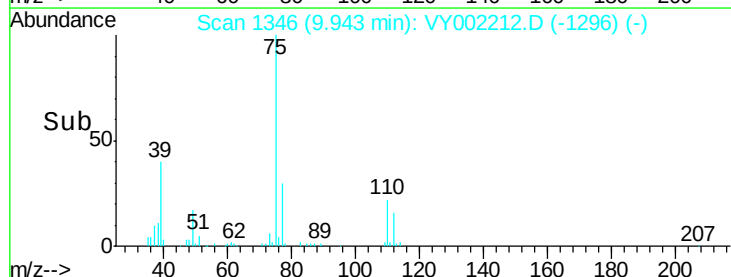
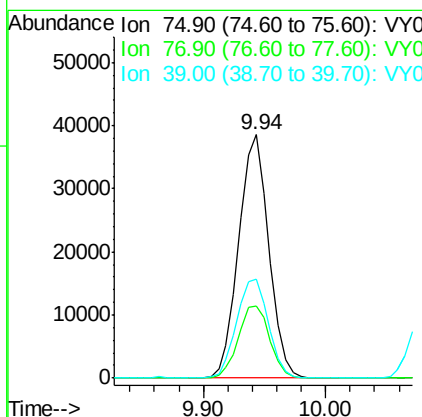
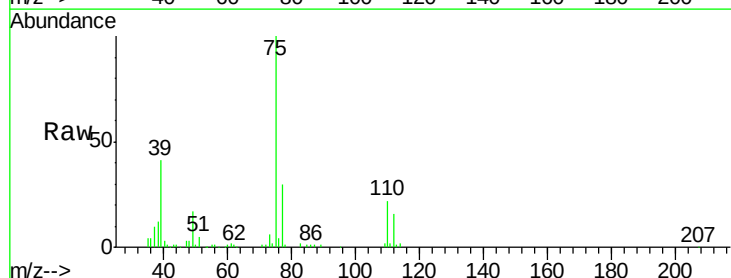
Manual Integrations
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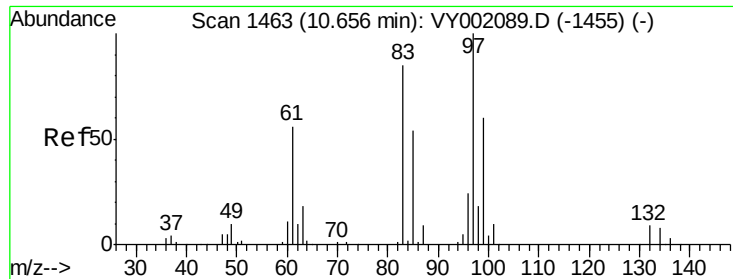
MMDadoda
4/6/2020 11:30:32 AM



#54
cis-1,3-Dichloropropene
Concen: 20.692 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.6	38.4
39	40.8	35.2	52.8





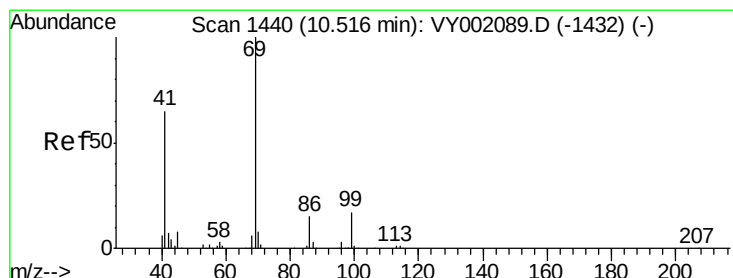
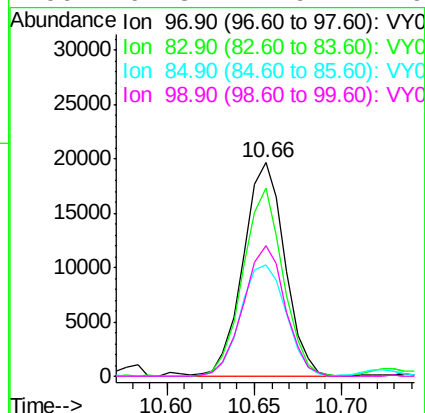
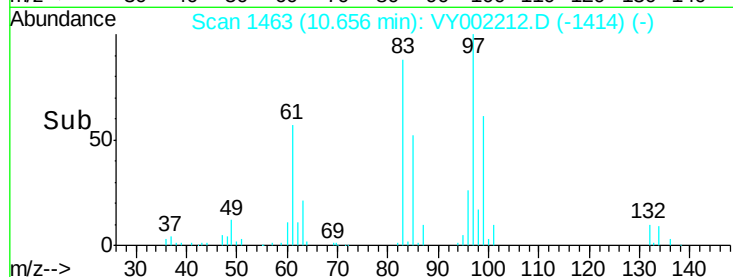
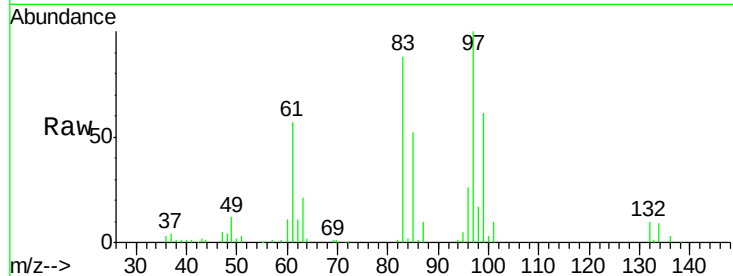
#55
 1,1,2-Trichloroethane
 Concen: 21.053 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion:	97	Resp:	32540
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.2	102.2
85	52.1	42.9	64.3
99	61.3	47.9	71.9

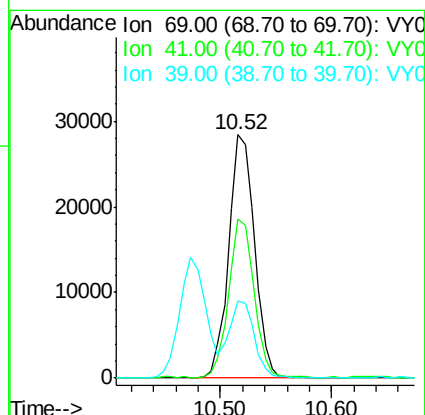
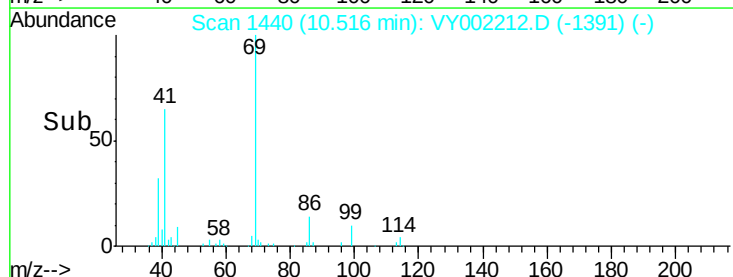
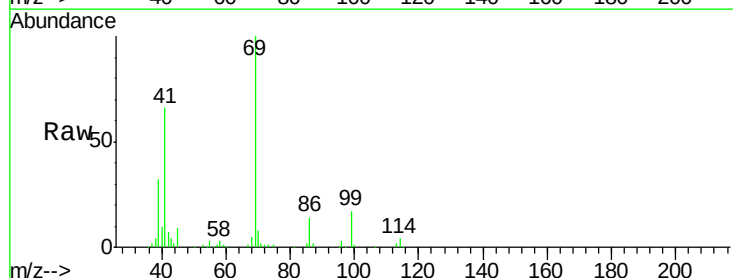
Manual Integrations
 APPROVED

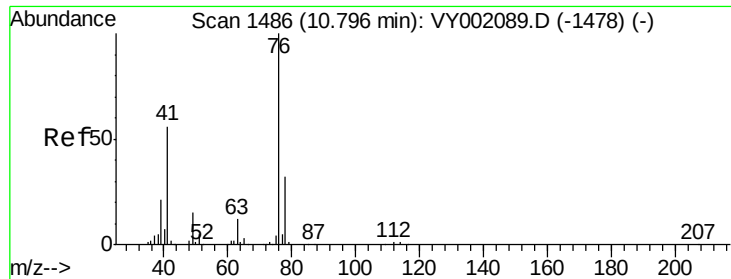
MMDadoda
 4/6/2020 11:30:32 AM



#56
 Ethyl methacrylate
 Concen: 20.276 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion:	69	Resp:	45773
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.8	79.2
39	31.1	25.0	37.6





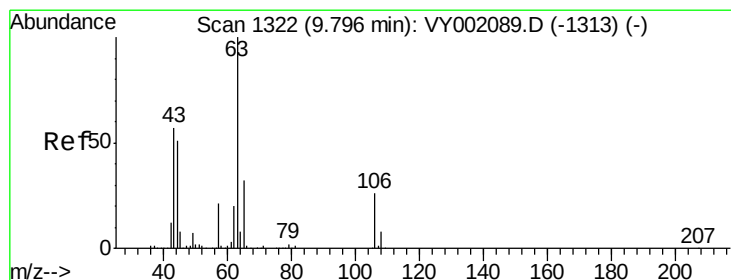
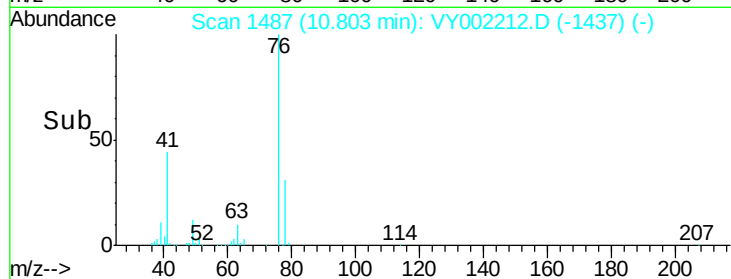
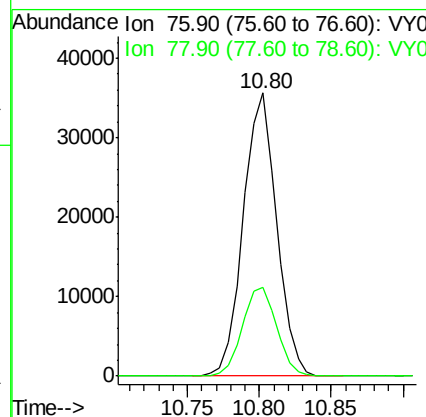
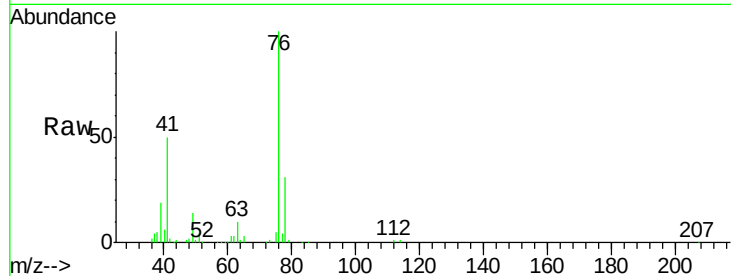
#57
 1,3-Dichloropropane
 Concen: 20.927 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

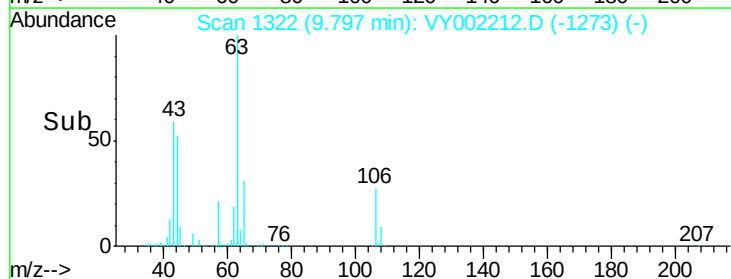
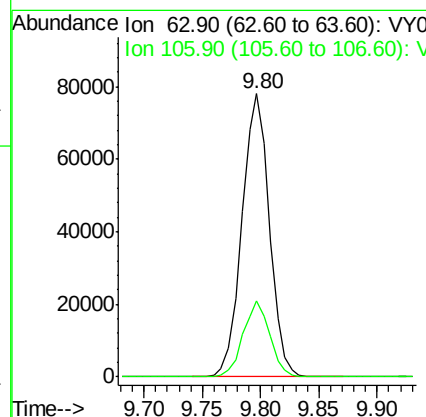
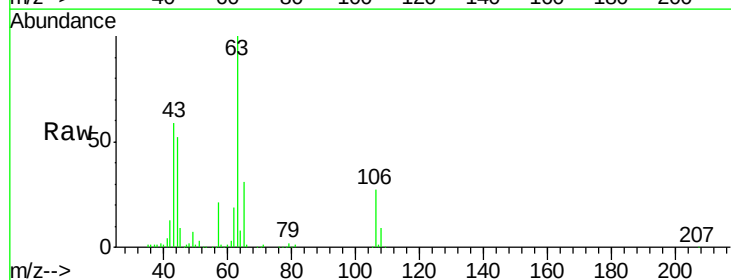
Manual Integrations
 APPROVED

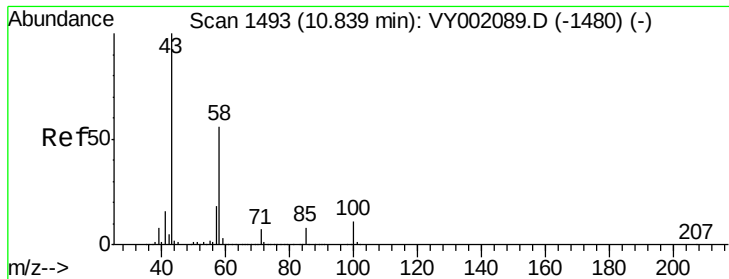
MMDadoda
 4/6/2020 11:30:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.474 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.0	31.4





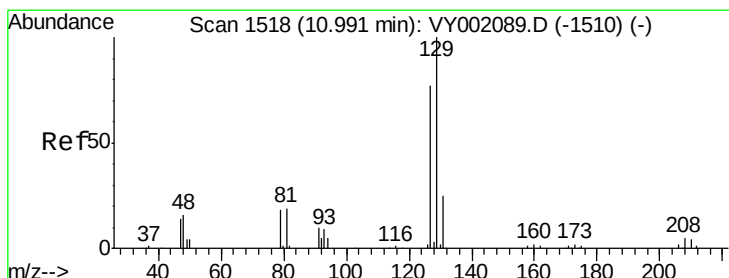
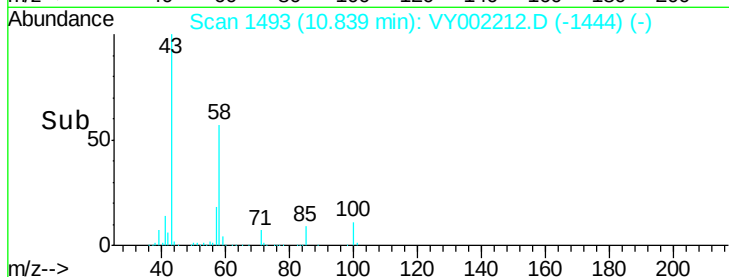
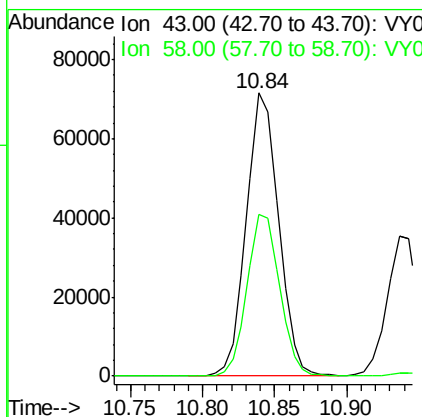
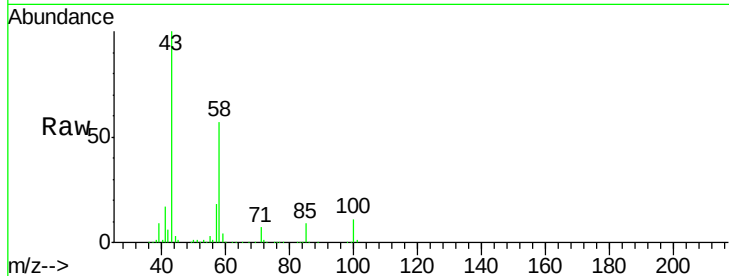
#59
2-Hexanone
Concen: 101.431 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	43	Resp	111254
Ion Ratio	43	100	
Lower	58	57.7	27.9
Upper			83.6

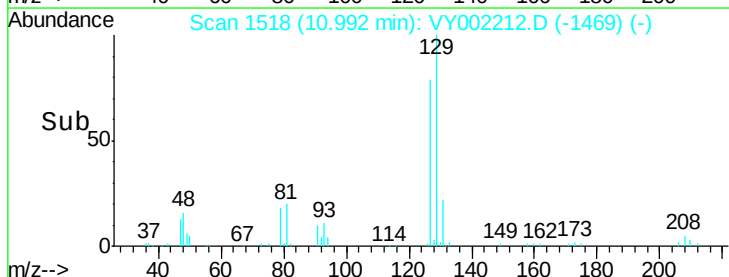
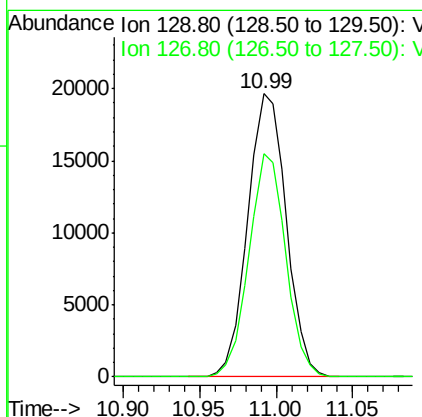
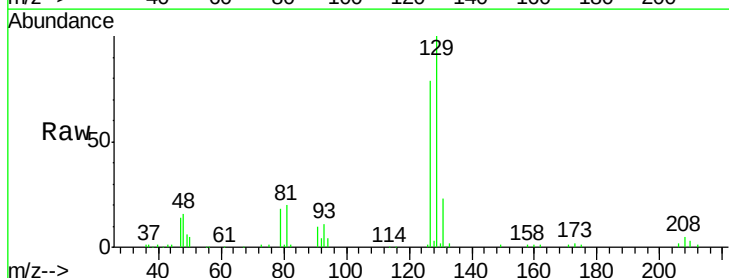
Manual Integrations
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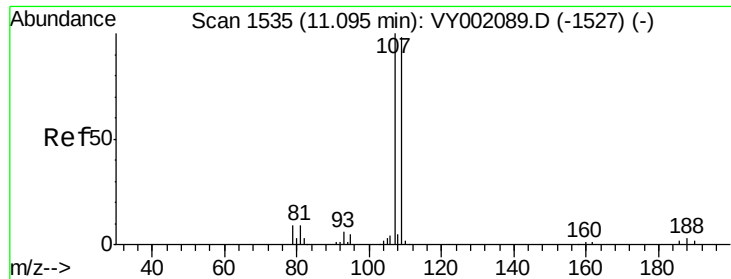
MMDadoda
4/6/2020 11:30:32 AM



#60
Dibromochloromethane
Concen: 21.282 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	129	Resp	34421
Ion Ratio	129	100	
Lower	127	75.3	38.7
Upper			116.1





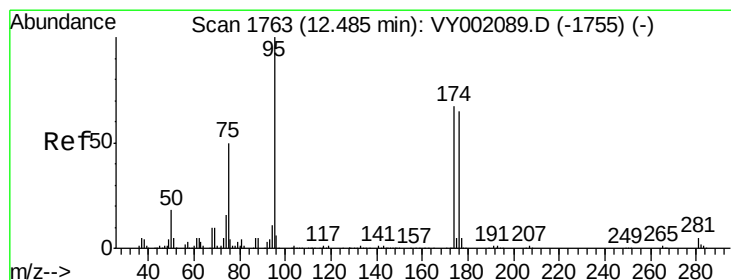
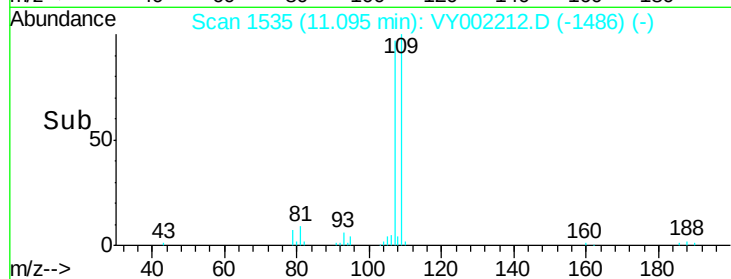
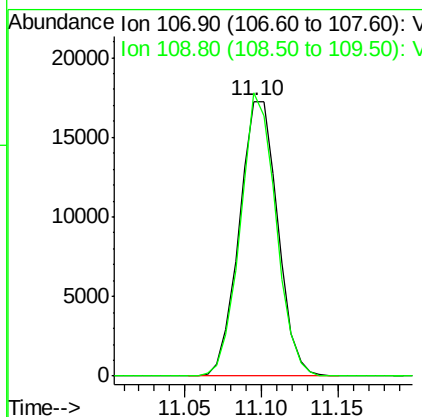
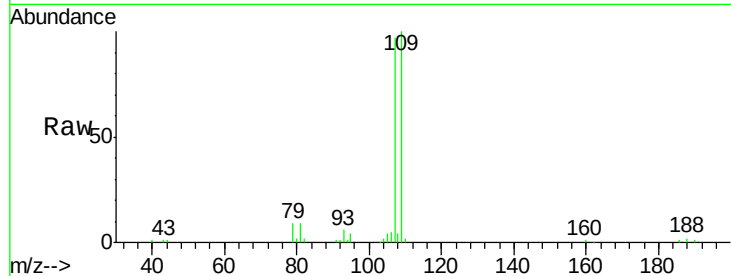
#61
 1,2-Dibromoethane
 Concen: 20.854 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.3	114.5

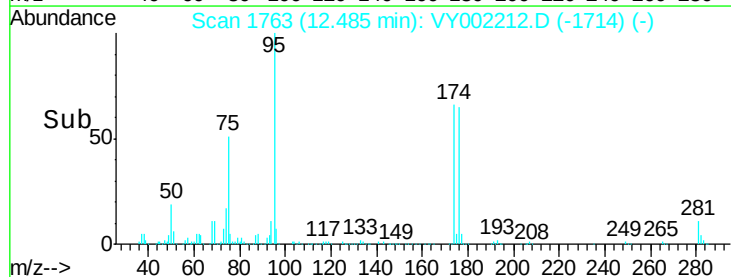
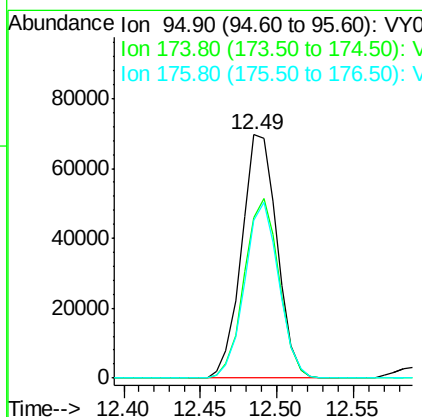
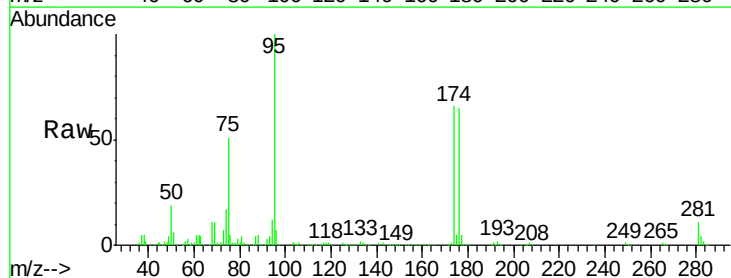
Manual Integrations
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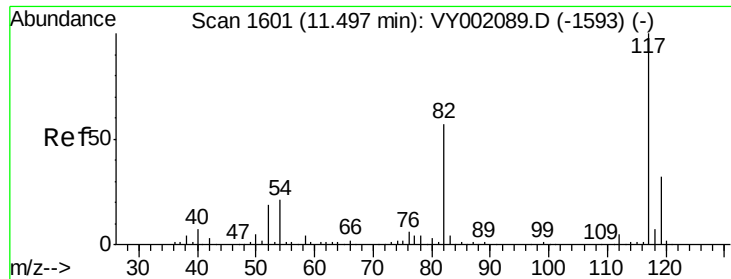
MMDadoda
 4/6/2020 11:30:32 AM



#62
 4-Bromofluorobenzene
 Concen: 48.297 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	143.4
176	69.4	0.0	137.0





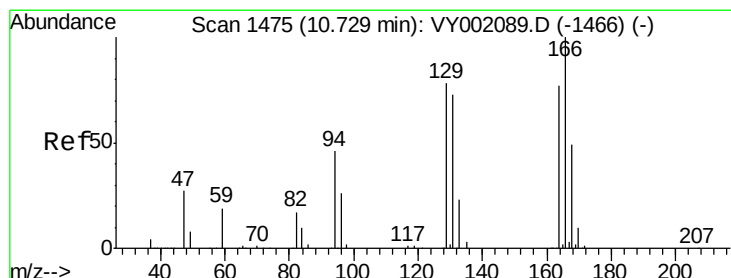
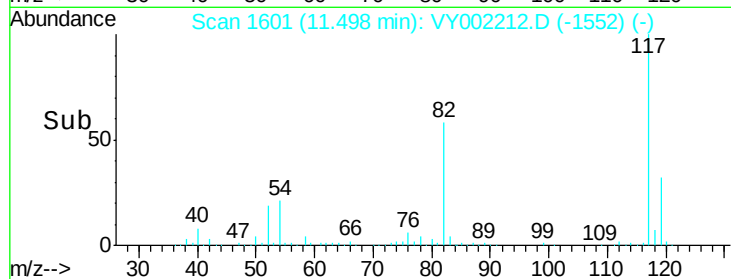
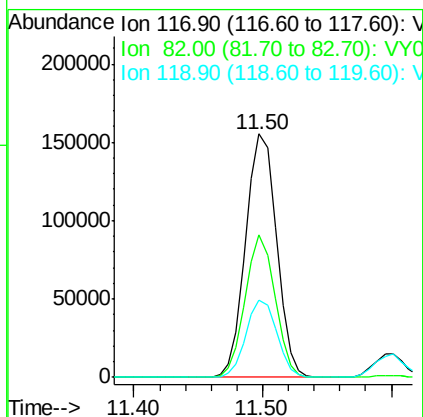
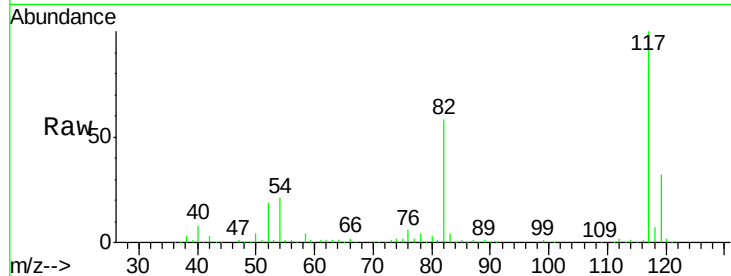
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.4	68.2
119	31.6	25.3	37.9

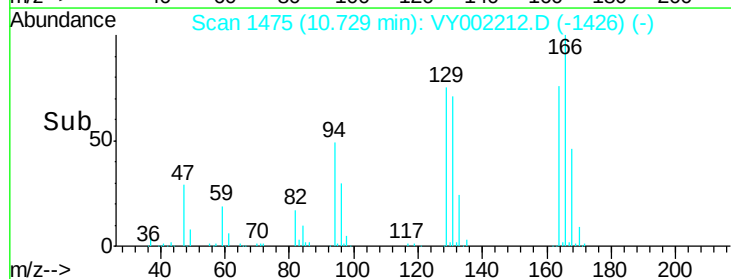
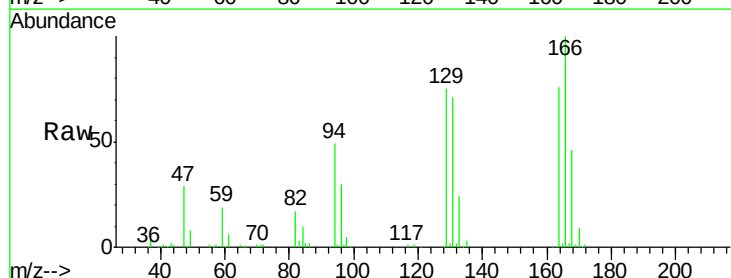
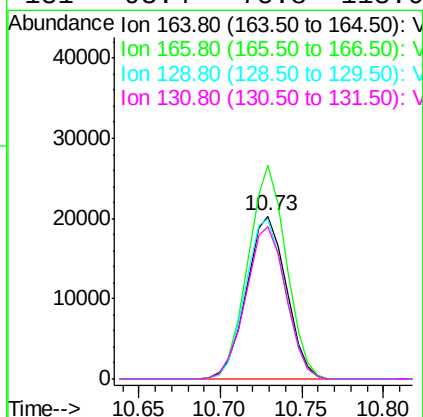
Manual Integrations
APPROVED

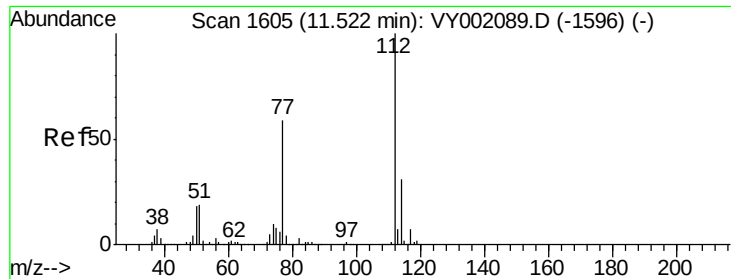
MMDadoda
4/6/2020 11:30:32 AM



#64
Tetrachloroethene
Concen: 21.791 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.0	156.0
129	98.1	81.2	121.8
131	93.4	75.8	113.6





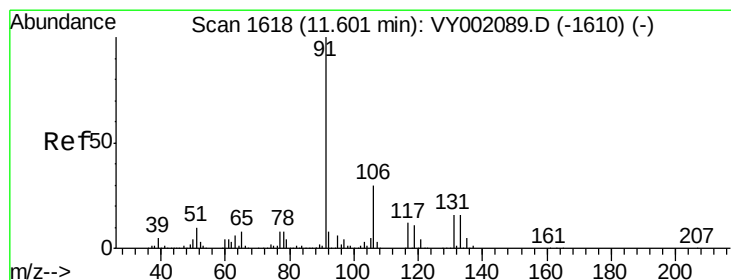
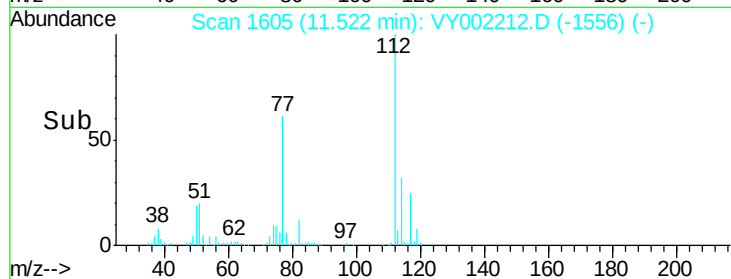
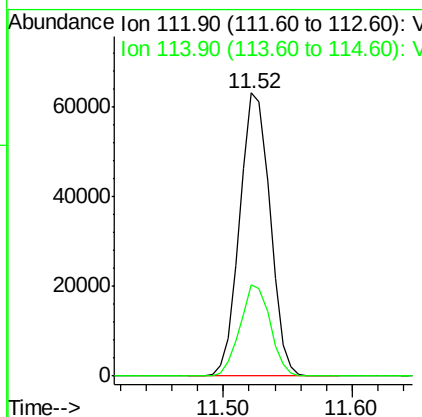
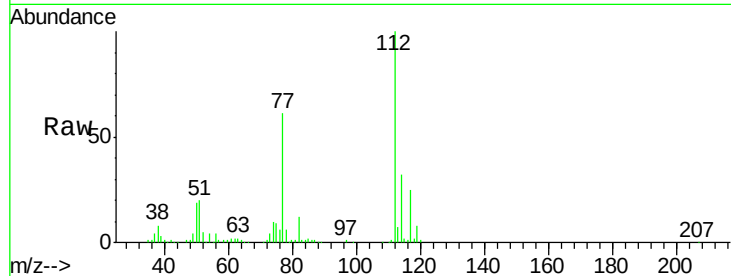
#65
Chlorobenzene
Concen: 20.634 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.9	37.3

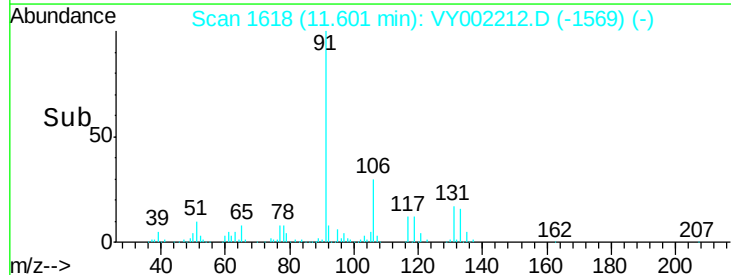
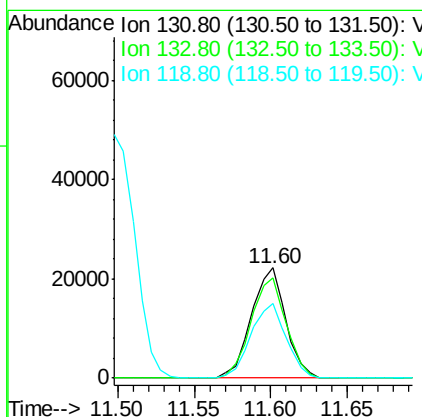
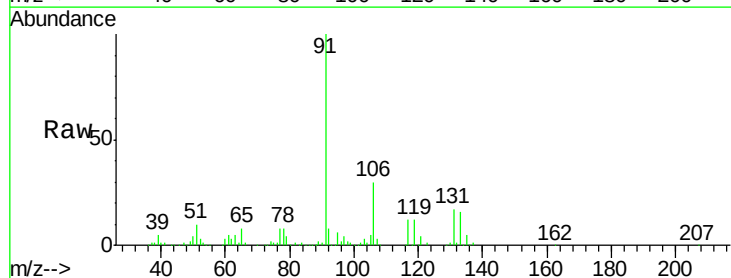
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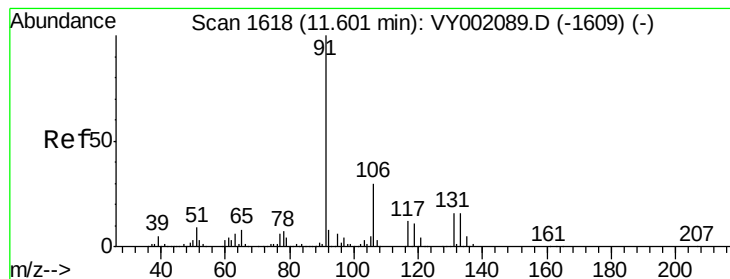
MMDadoda
4/6/2020 11:30:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.940 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.5	142.5
119	69.2	34.6	103.9





#67

Ethyl Benzene

Concen: 20.965 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 91 Resp: 194114

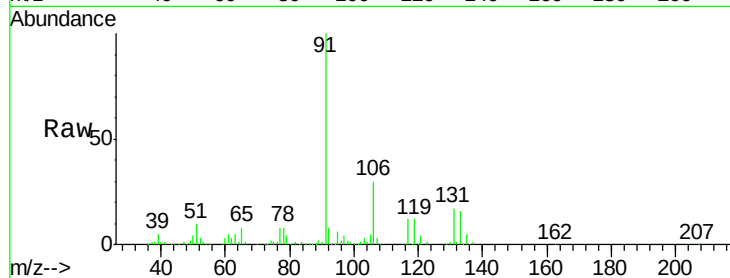
Ion Ratio Lower Upper

91 100

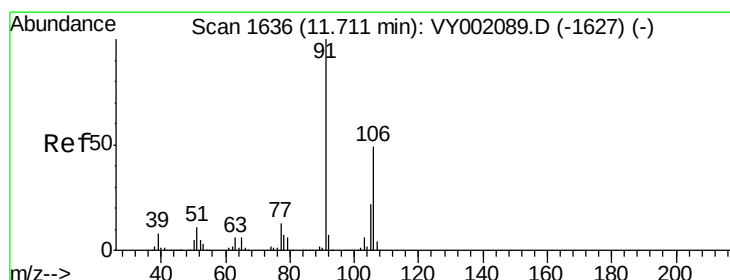
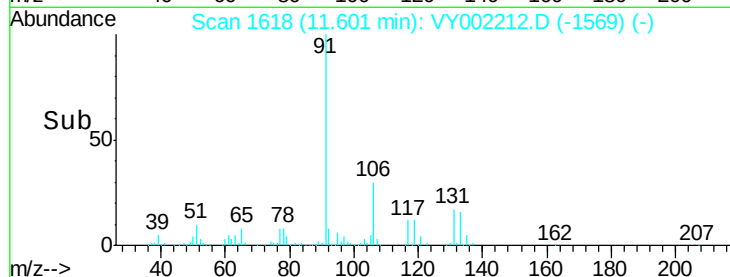
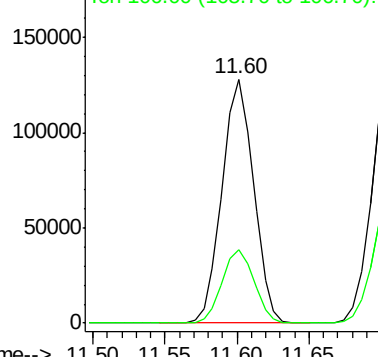
106 30.3 24.1 36.1

Manual Integrations
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MMDadoda
4/6/2020 11:30:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VY002212.D (-1569) (-)



#68

m/p-Xylenes

Concen: 41.667 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002212.D

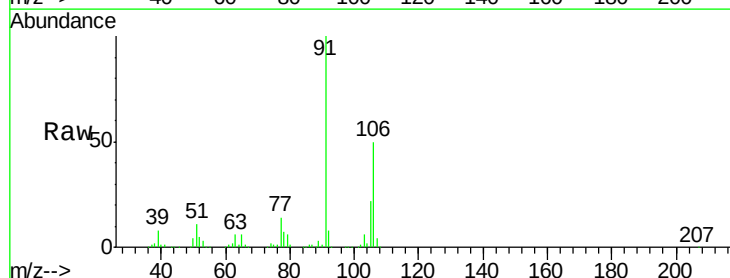
Acq: 03 Apr 2020 12:14

Tgt Ion: 106 Resp: 142645

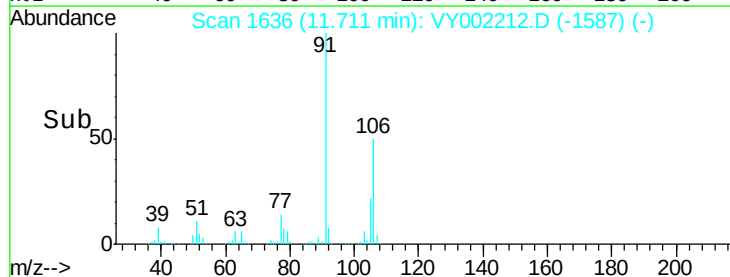
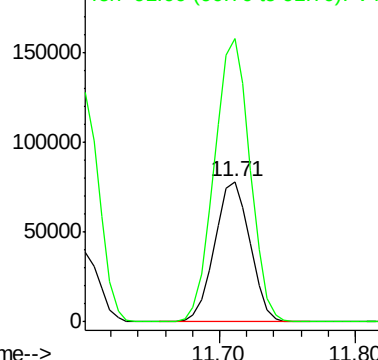
Ion Ratio Lower Upper

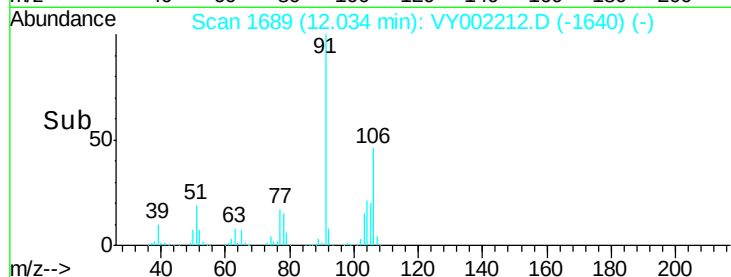
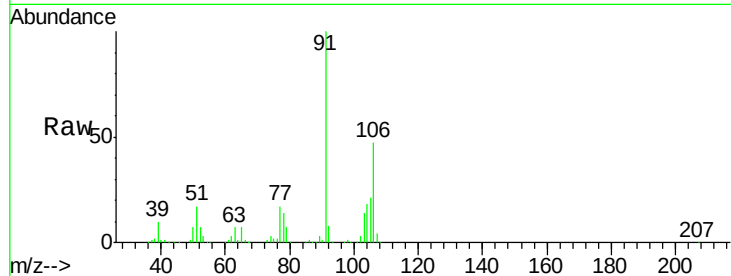
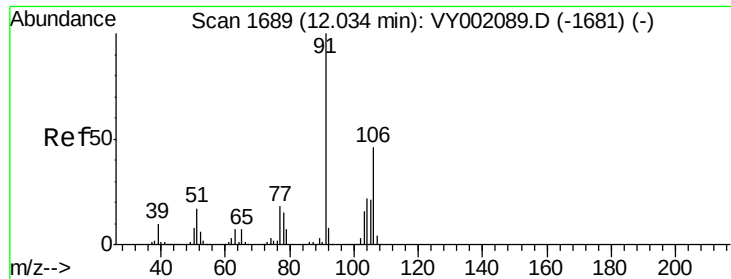
106 100

91 203.0 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VY002212.D (-1587) (-)





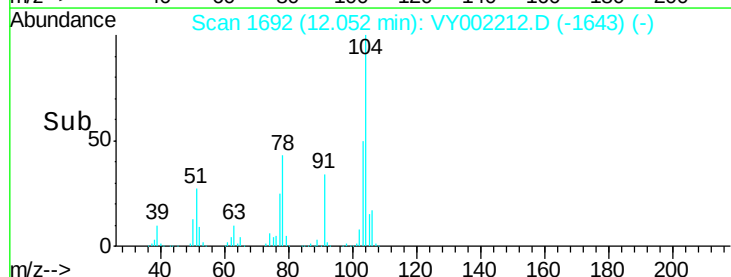
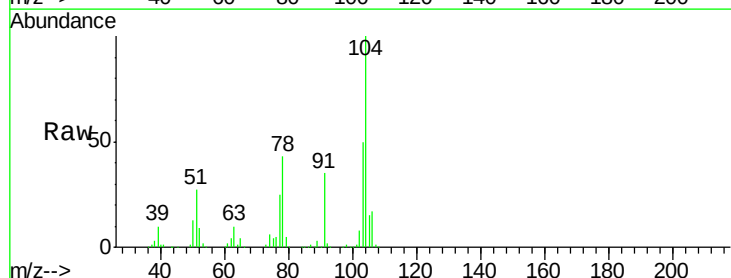
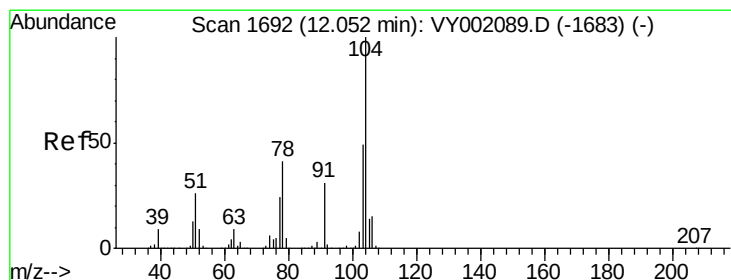
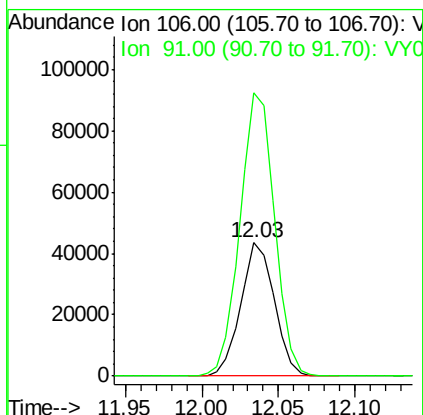
#69
o-Xylene
Concen: 20.458 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tot Ion:106 Resp: 66437
Ion Ratio Lower Upper
106 100
91 218.2 107.3 321.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

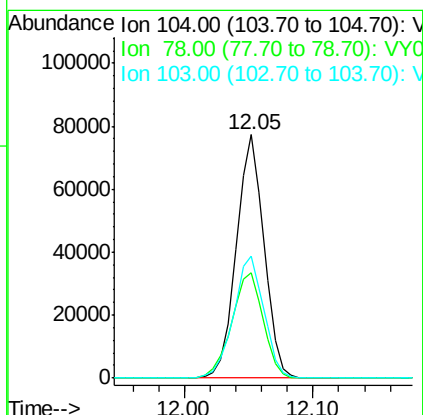
Manual Integrations
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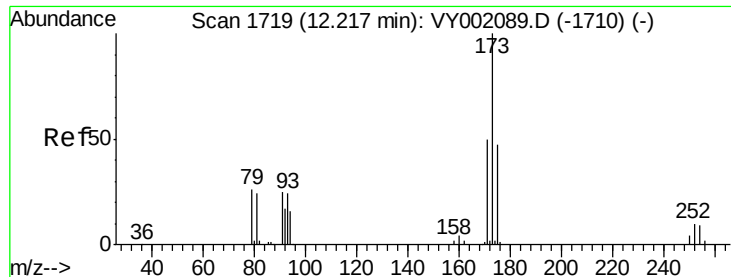
MMDadoda
4/6/2020 11:30:32 AM



#70
Styrene
Concen: 20.426 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion:104 Resp: 114943
Ion Ratio Lower Upper
104 100
78 49.3 37.9 56.9
103 55.0 43.2 64.8





#71

Bromoform

Concen: 20.578 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:173 Resp: 18798

Ion Ratio Lower Upper

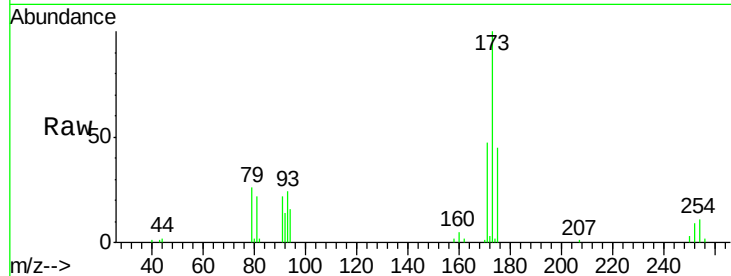
173 100

175 49.6 23.9 71.8

254 0.0 0.0 0.0

Manual Integrations
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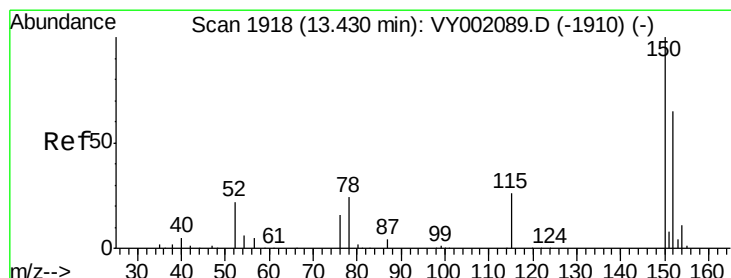
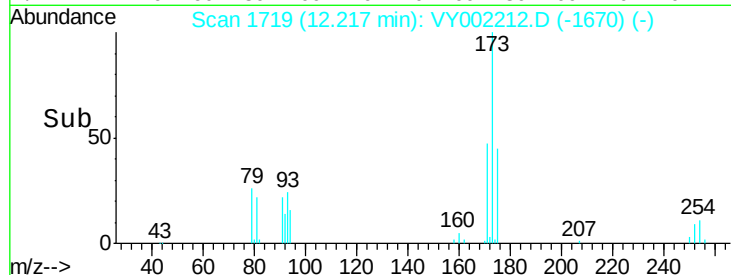
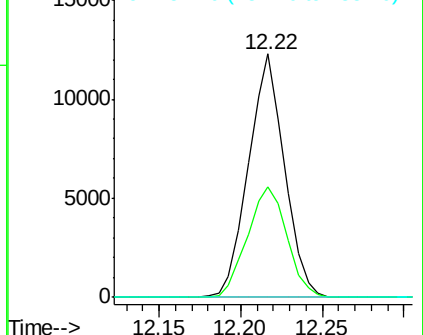
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

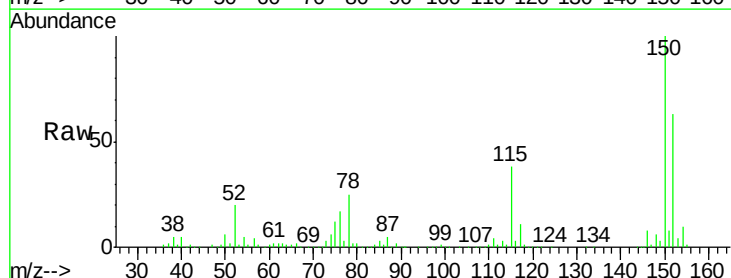
Tgt Ion:152 Resp: 117110

Ion Ratio Lower Upper

152 100

115 62.9 31.2 93.6

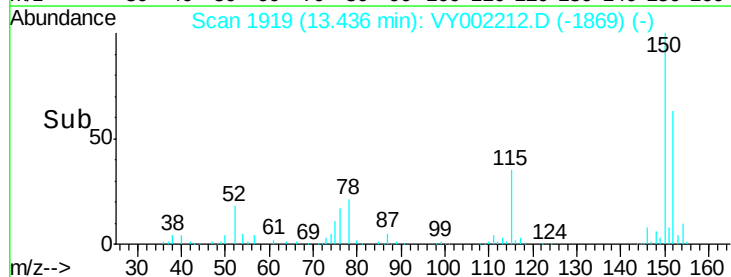
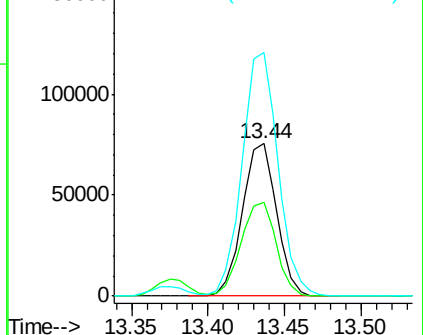
150 168.3 0.0 354.8

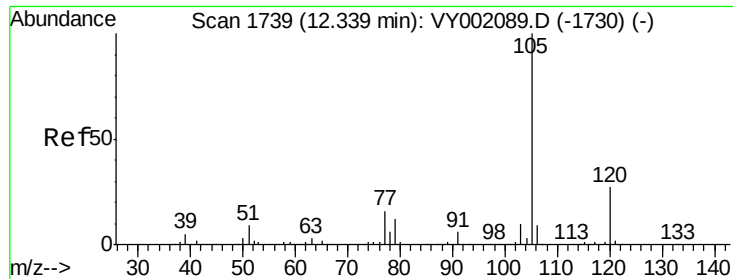


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.975 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 105 Resp: 182216

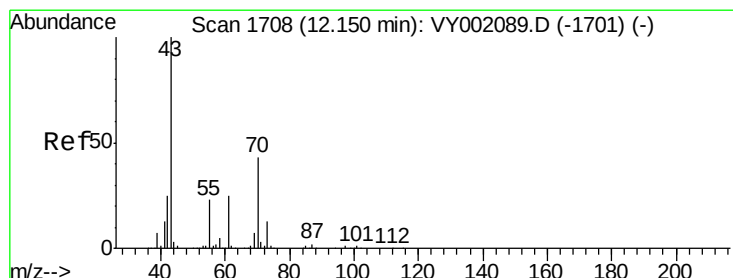
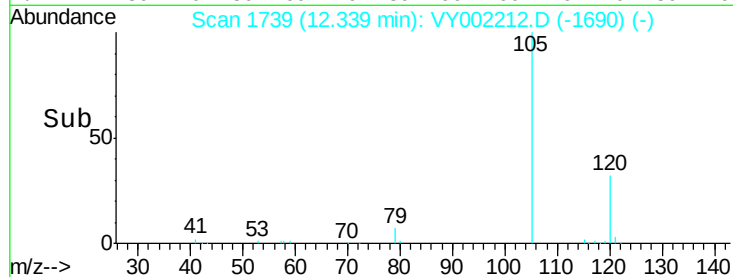
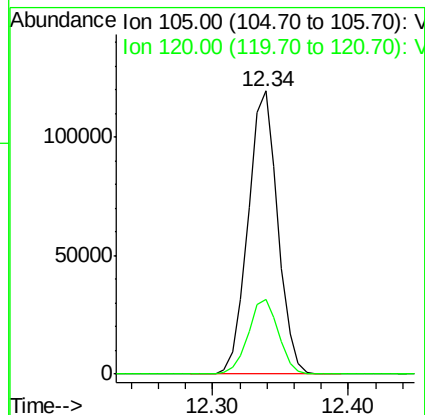
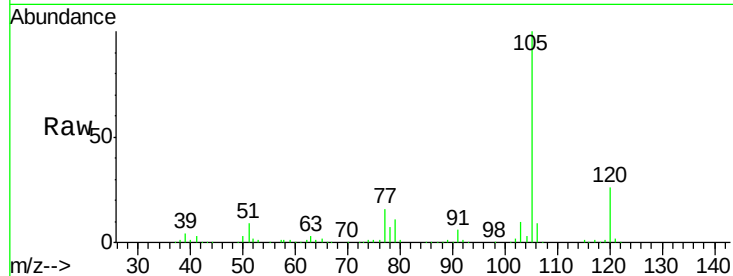
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

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4/6/2020 11:30:32 AM



#74

N-ethyl acetate

Concen: 20.046 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion: 43 Resp: 54925

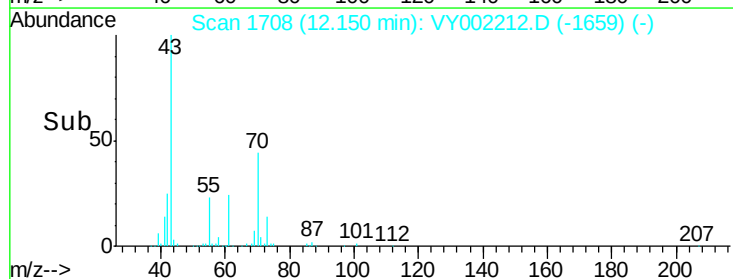
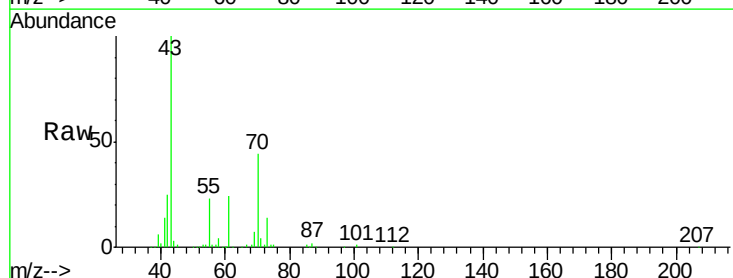
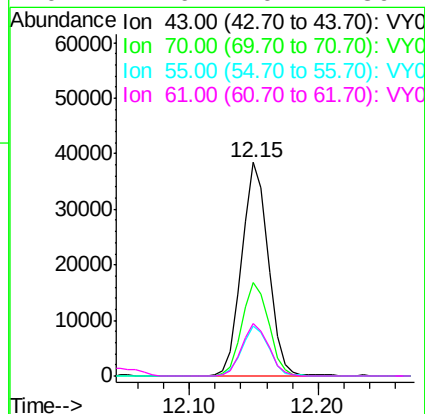
Ion Ratio Lower Upper

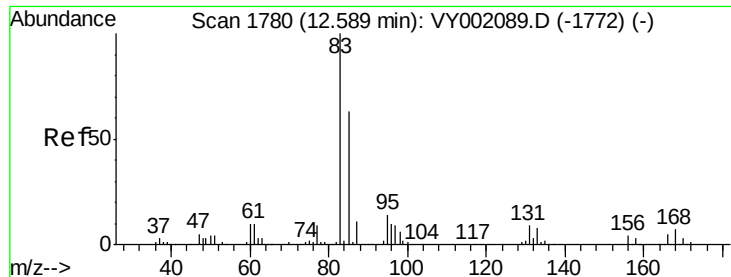
43 100

70 44.0 35.0 52.4

55 23.7 18.7 28.1

61 24.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.974 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

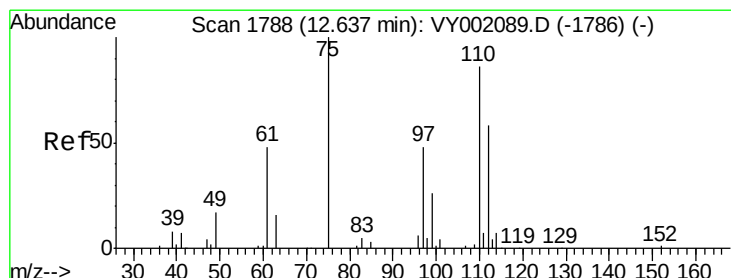
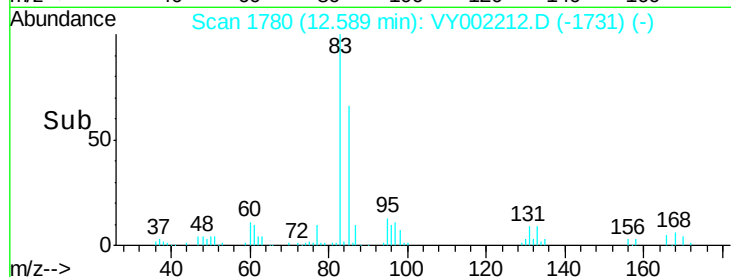
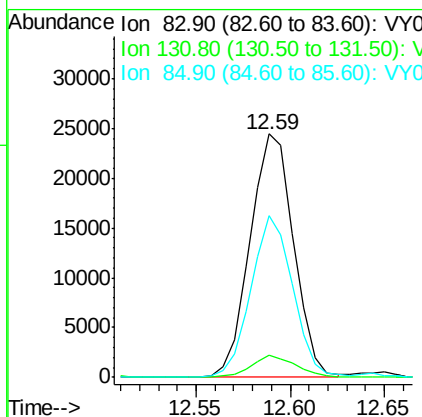
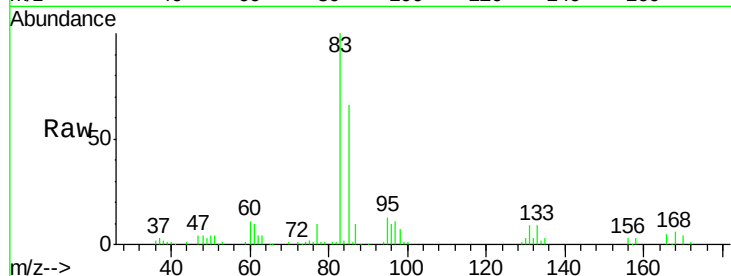
ClientSampleId :

VY0403SBS01

Tot Ion:	83	Resp:	39209
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	63.8	32.4	97.0

Manual Integrations
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MMDadoda
4/6/2020 11:30:32 AM



#76

1,2,3-Trichloropropane

Concen: 18.239 ug/l m

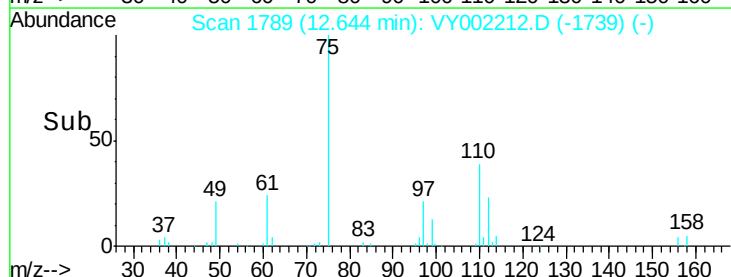
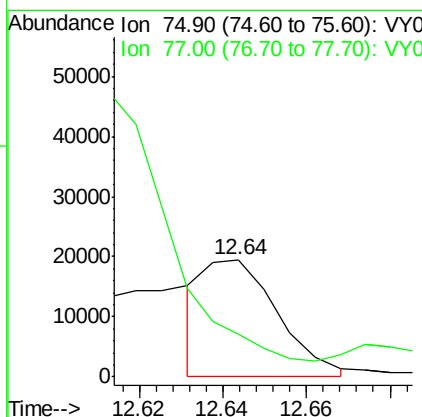
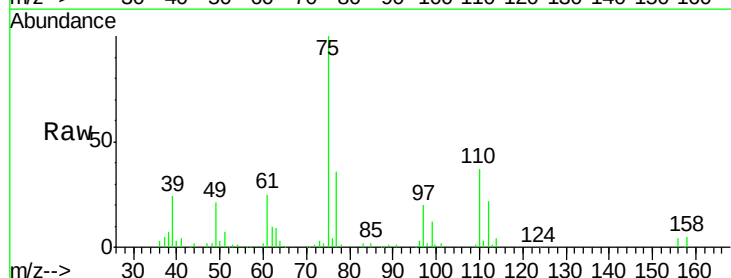
RT: 12.64 min Scan# 1789

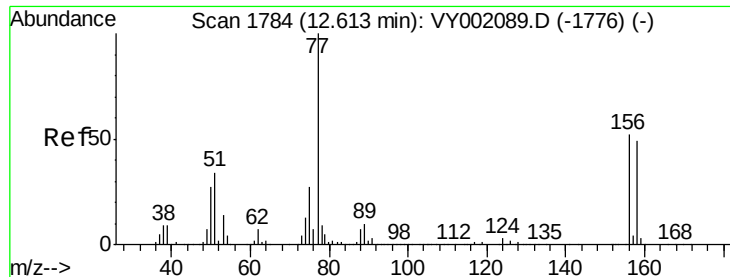
Delta R.T. 0.01 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	75	Resp:	23893
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.959 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:156 Resp: 38869

Ion Ratio Lower Upper

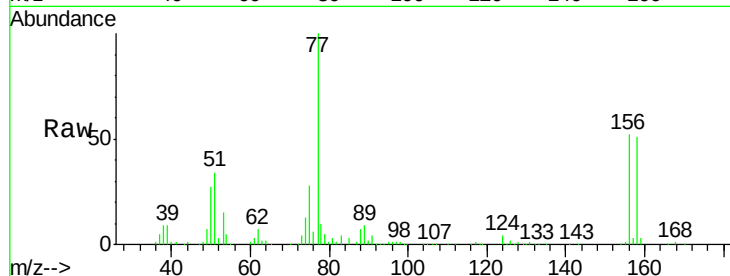
156 100

77 213.6 107.8 323.6

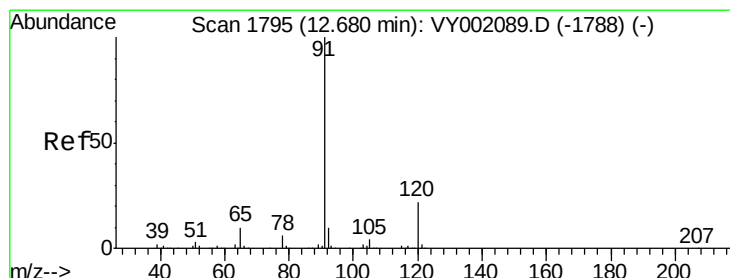
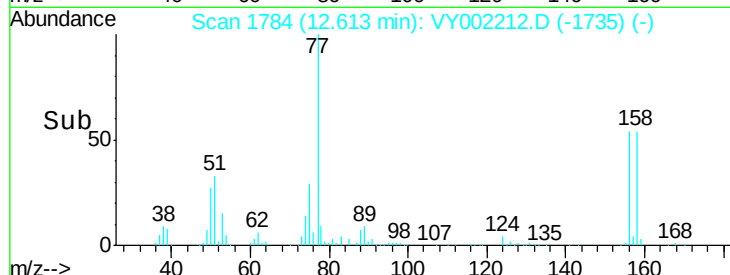
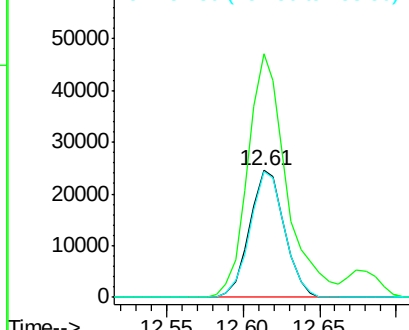
158 98.2 47.5 142.6

Manual Integrations
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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: 21.058 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002212.D

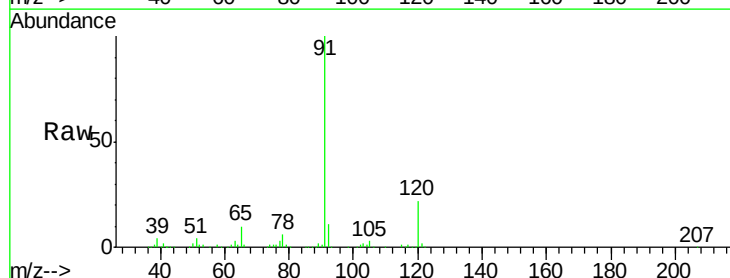
Acq: 03 Apr 2020 12:14

Tgt Ion: 91 Resp: 227018

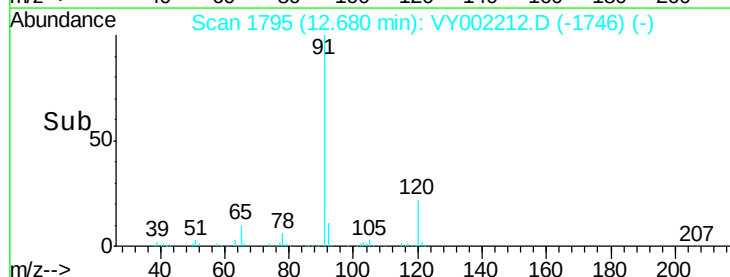
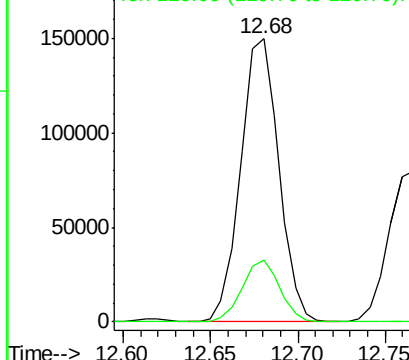
Ion Ratio Lower Upper

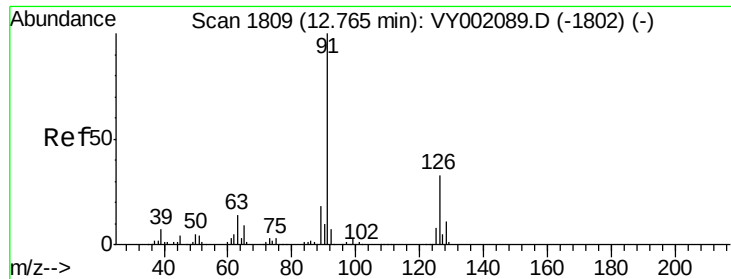
91 100

120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.106 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 91 Resp: 124932

Ion Ratio Lower Upper

91 100

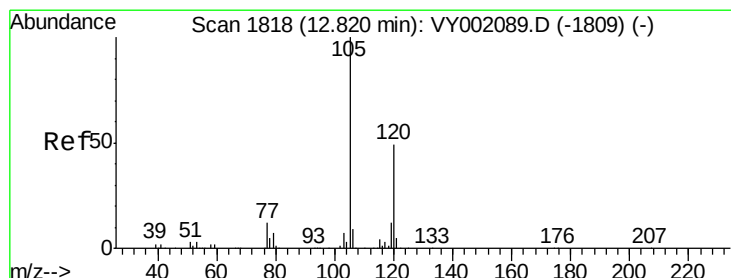
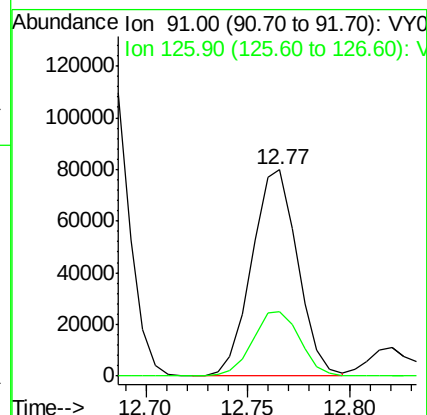
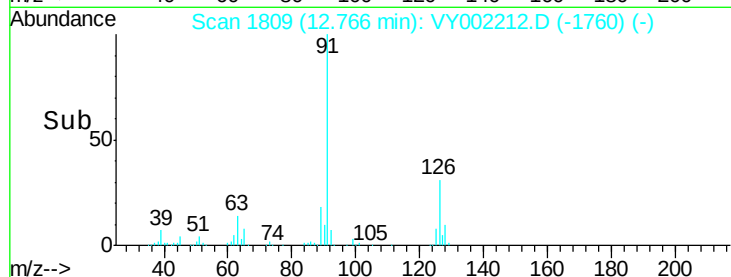
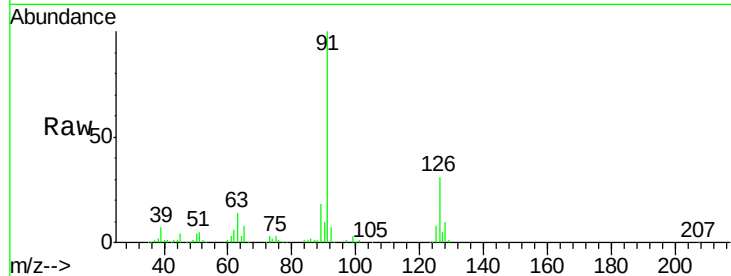
126 32.3 16.4 49.1

Manual Integrations

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4/6/2020 11:30:32 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.057 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002212.D

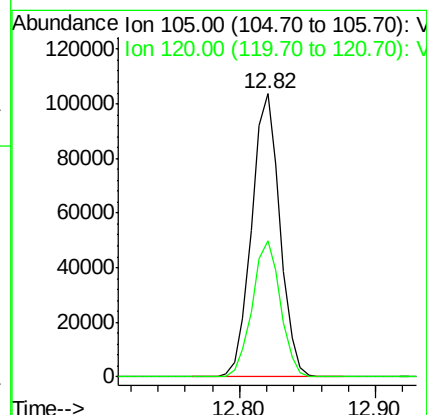
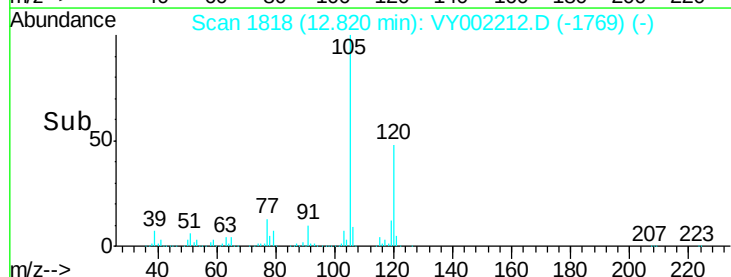
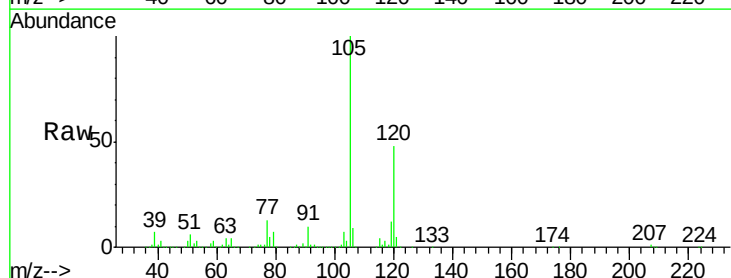
Acq: 03 Apr 2020 12:14

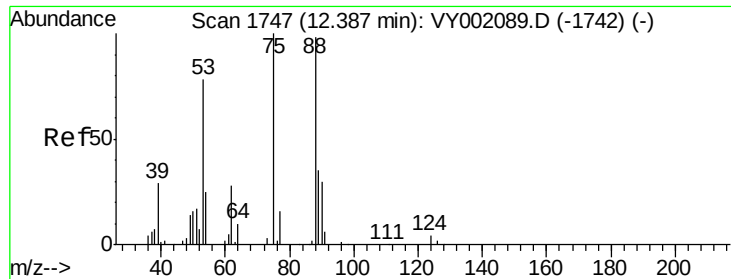
Tgt Ion: 105 Resp: 150922

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4





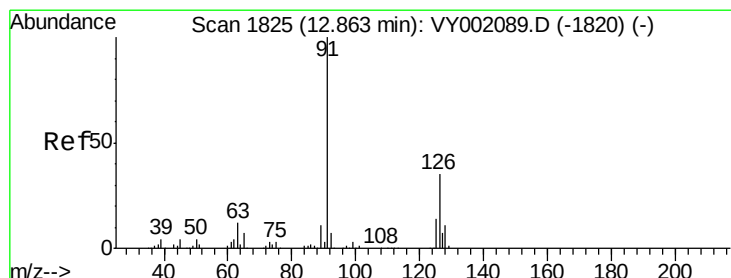
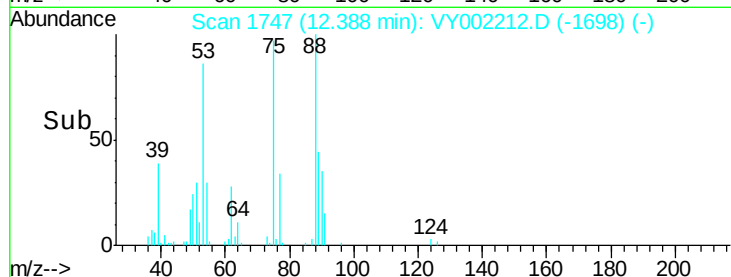
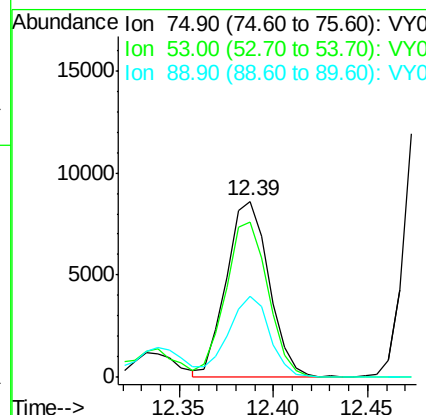
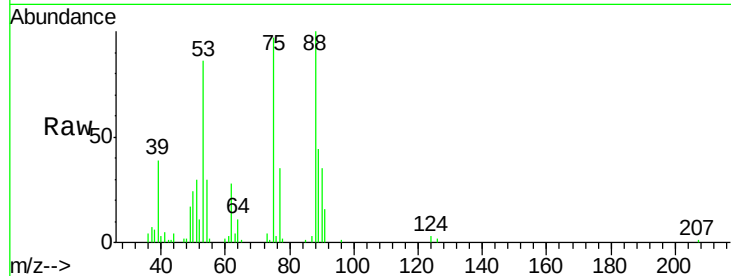
#81
trans-1,4-Dichloro-2-butene
Concen: 19.982 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	65.0	97.4
89	44.1	33.4	50.0

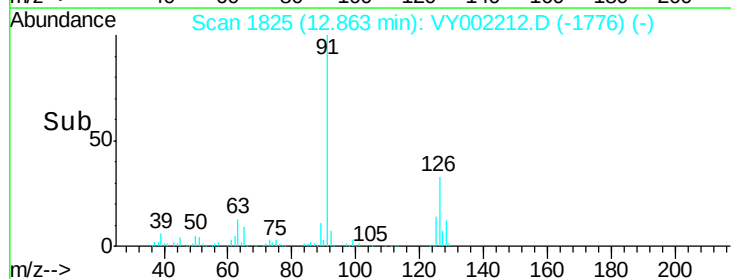
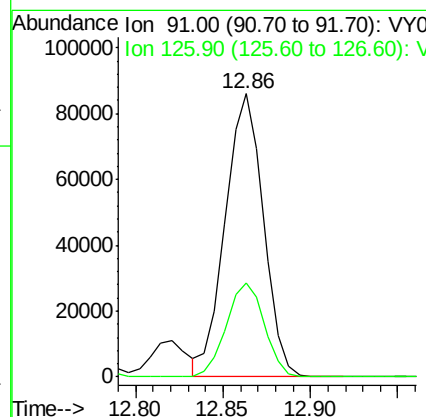
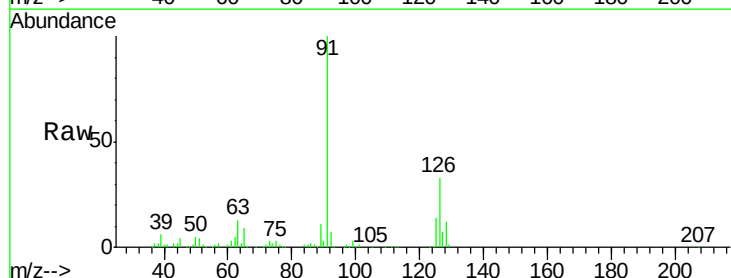
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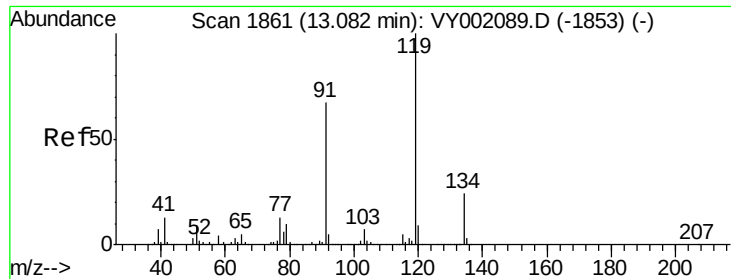
MMDadoda
4/6/2020 11:30:32 AM



#82
4-Chlorotoluene
Concen: 20.881 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.9





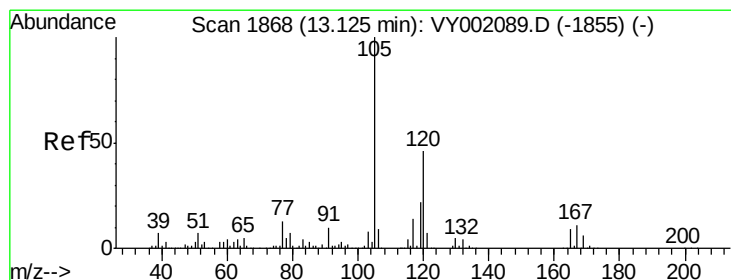
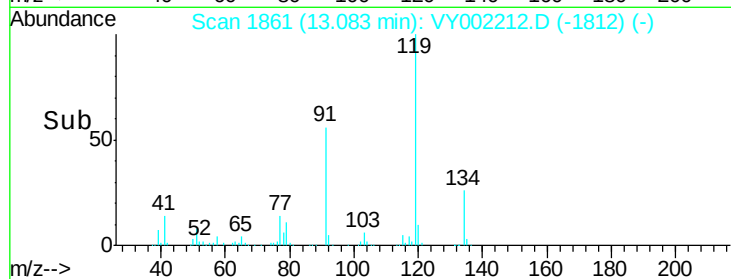
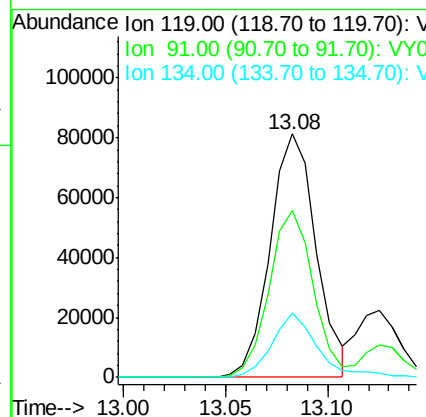
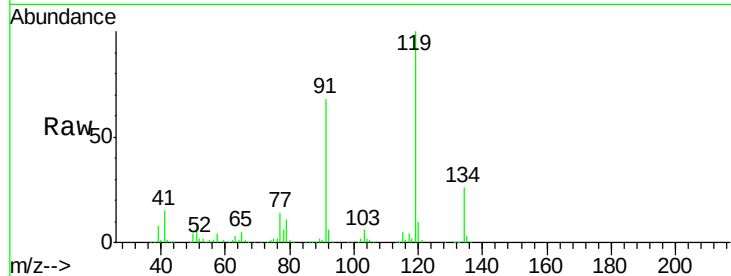
#83
 tert-Butylbenzene
 Concen: 21.328 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.6
134	26.4	13.0	38.9

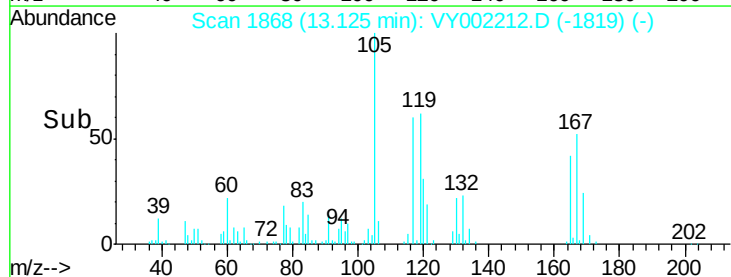
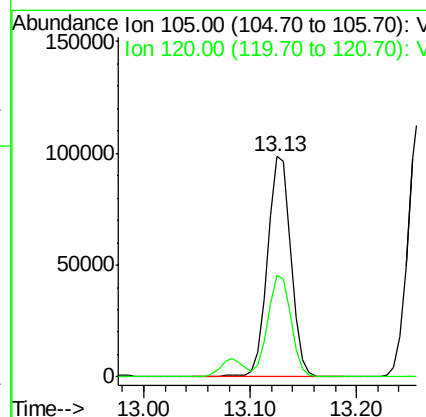
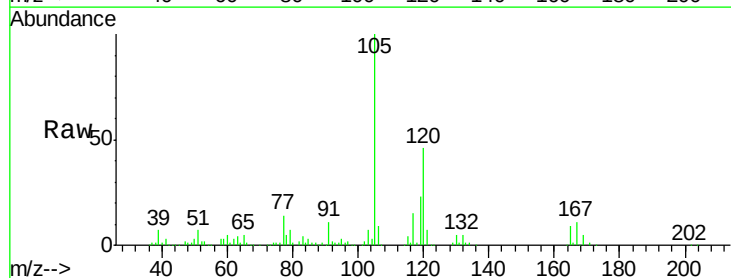
Manual Integrations
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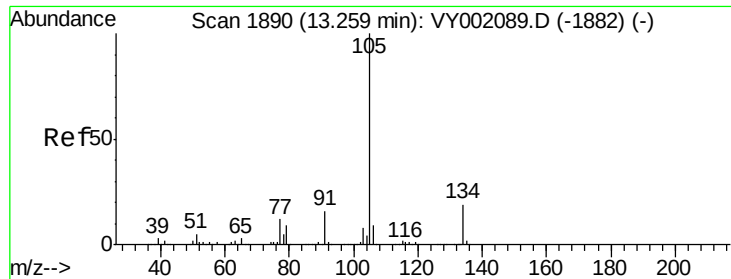
MMDadoda
 4/6/2020 11:30:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.267 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.5





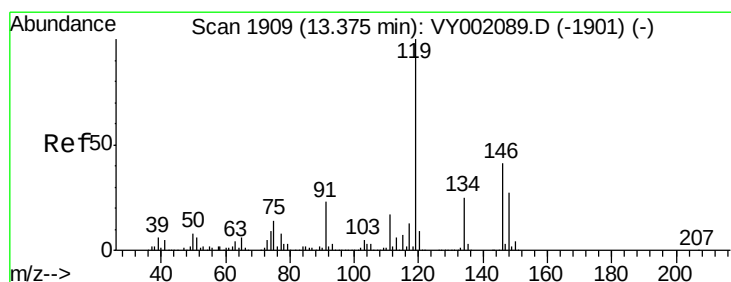
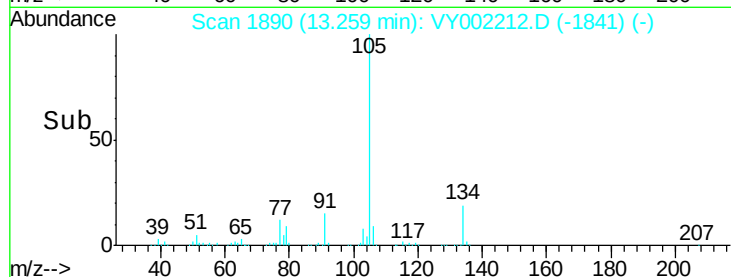
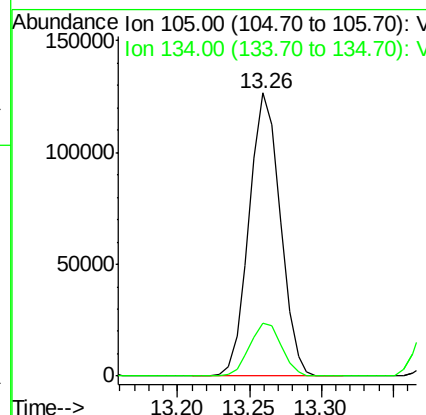
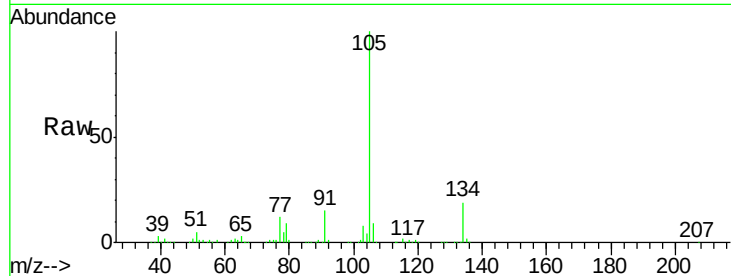
#85
 sec-Butylbenzene
 Concen: 21.338 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189078		
134	19.0		9.7	29.1

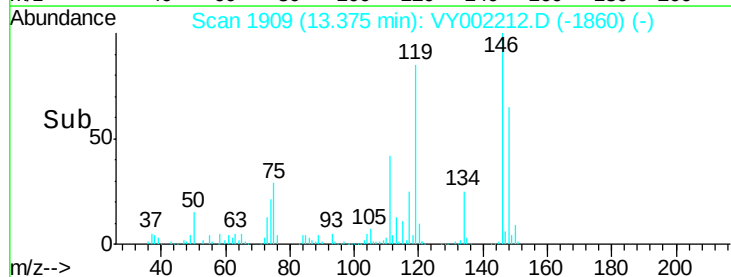
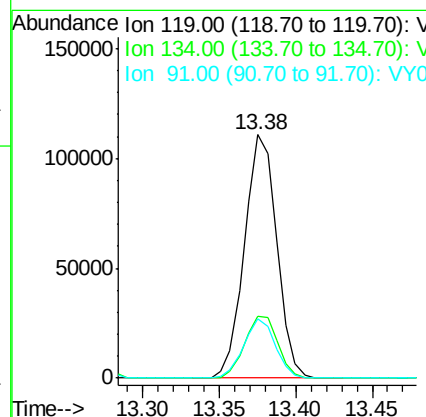
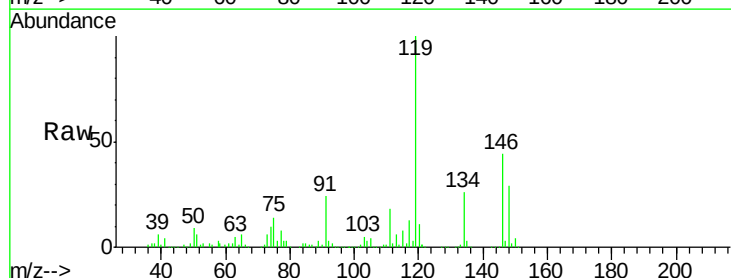
Manual Integrations
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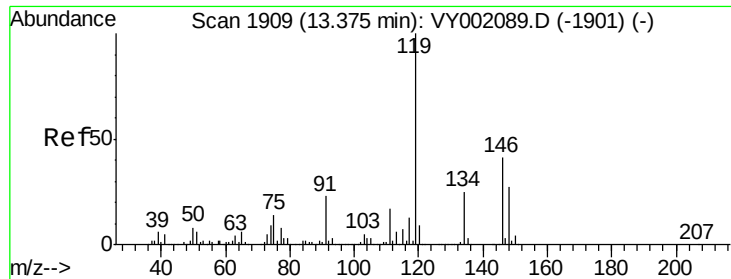
MMDadoda
 4/6/2020 11:30:32 AM



#86
 p-Isopropyltoluene
 Concen: 21.296 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	162052		
134	26.3		13.1	39.3
91	24.1		11.8	35.3





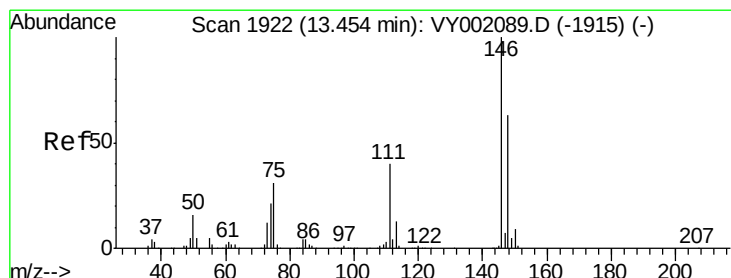
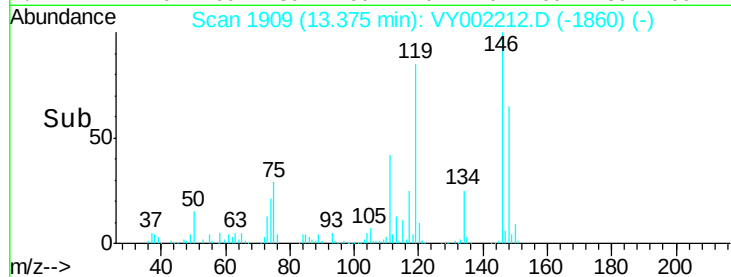
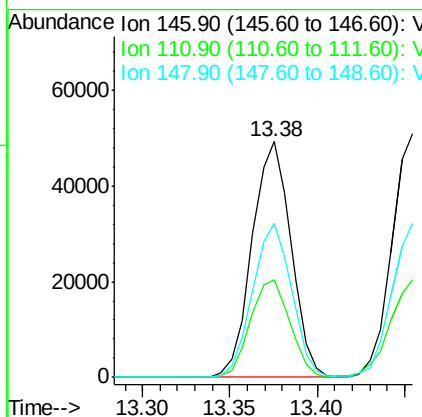
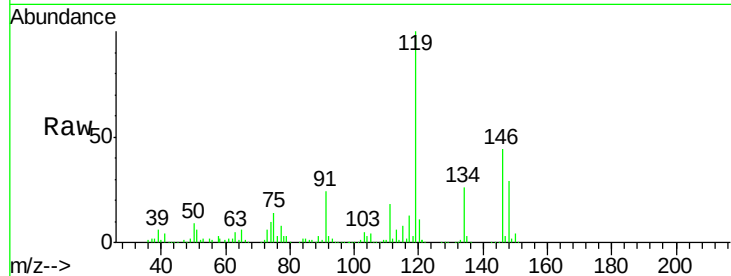
#87
 1,3-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	65.2	32.1	96.5

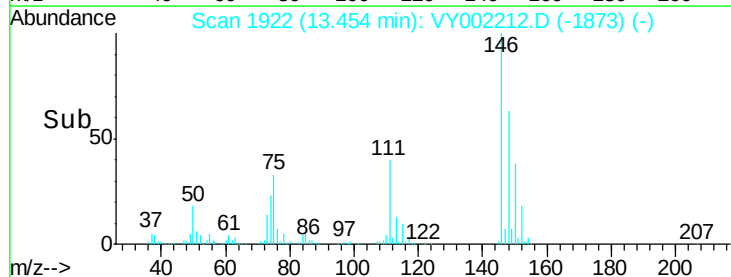
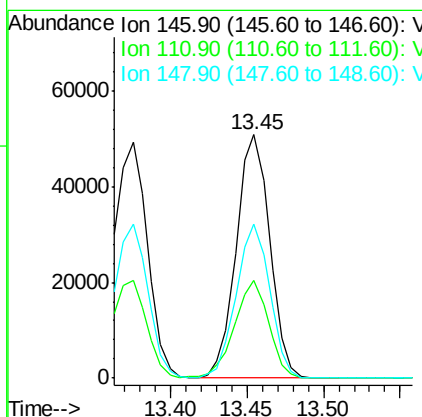
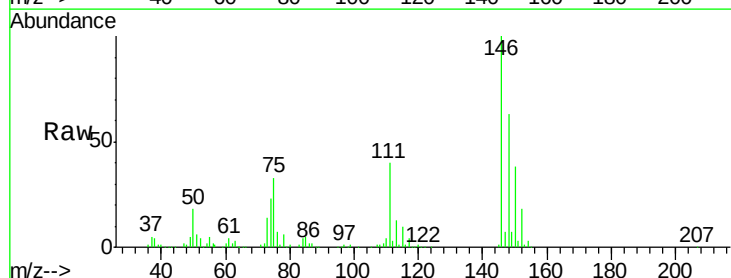
Manual Integrations
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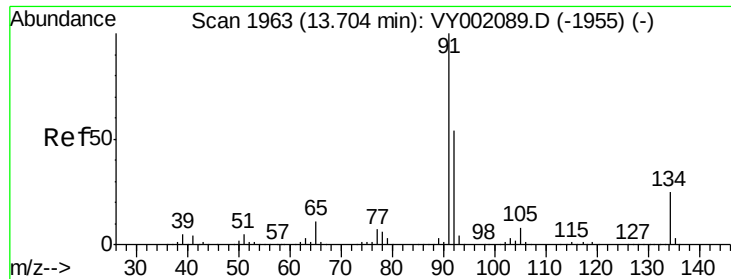
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 4/6/2020 11:30:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.240 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	63.7	31.5	94.5





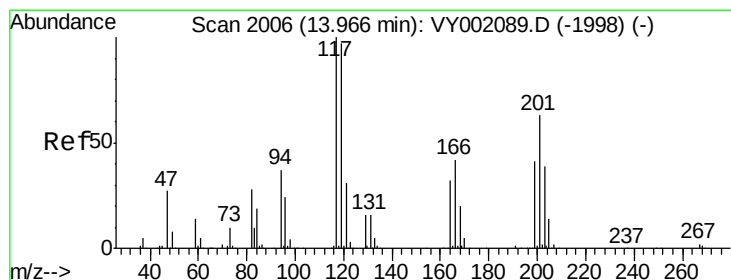
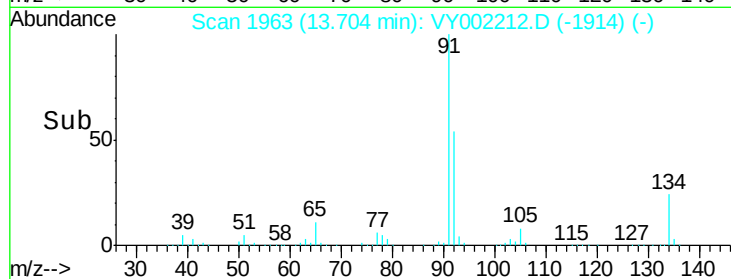
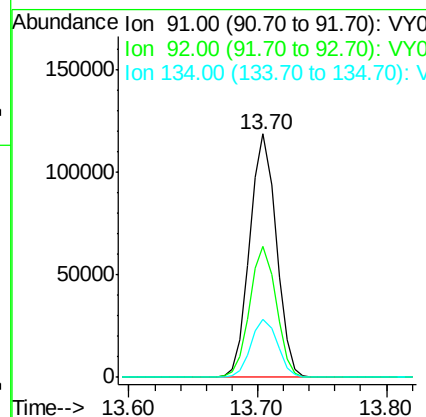
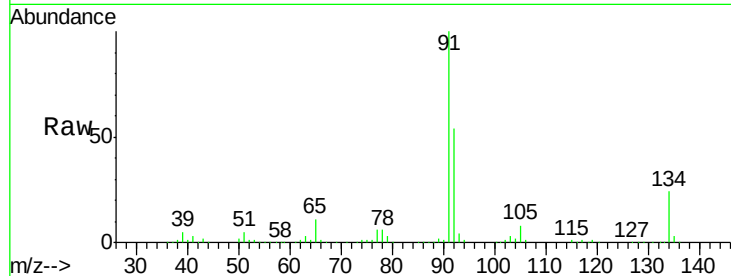
#89
n-Butylbenzene
Concen: 21.226 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	168294		
92	53.8	27.0	81.0	
134	24.0	12.3	36.8	

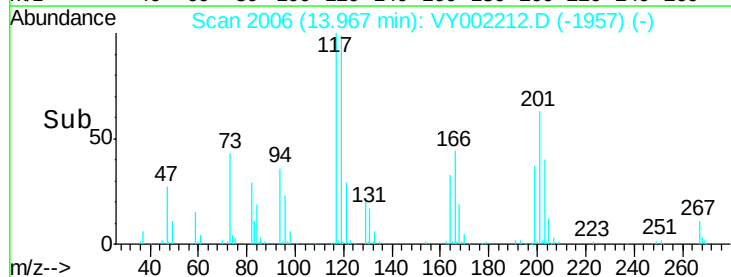
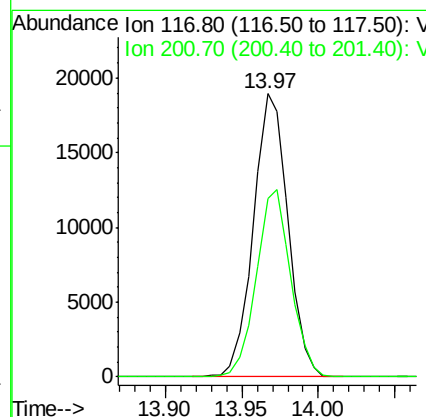
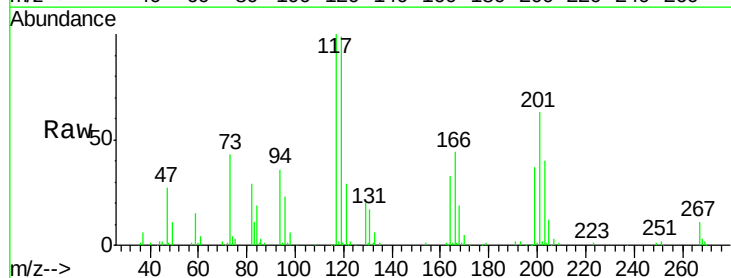
Manual Integrations
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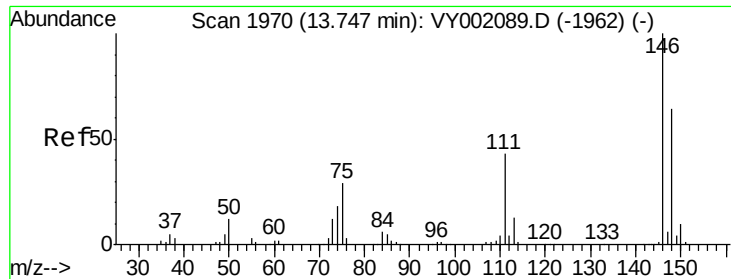
MMDadoda
4/6/2020 11:30:32 AM



#90
Hexachloroethane
Concen: 20.734 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002212.D
Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29731		
201	65.8	31.6	94.8	





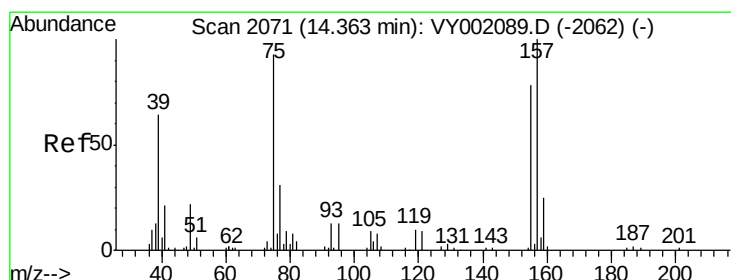
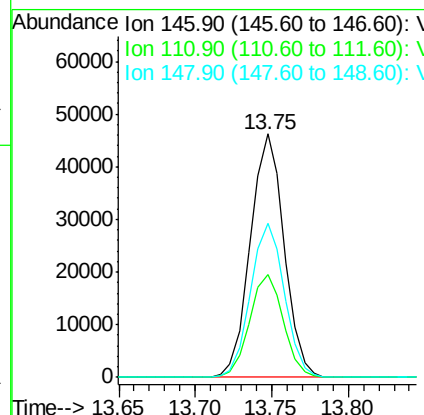
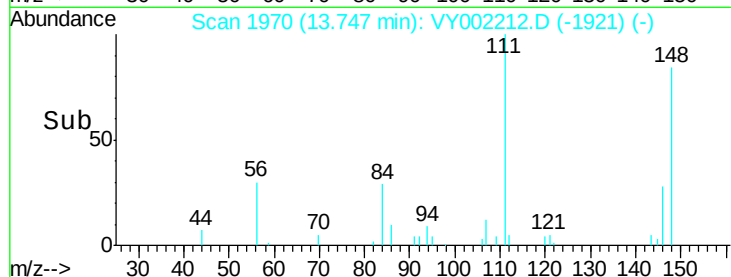
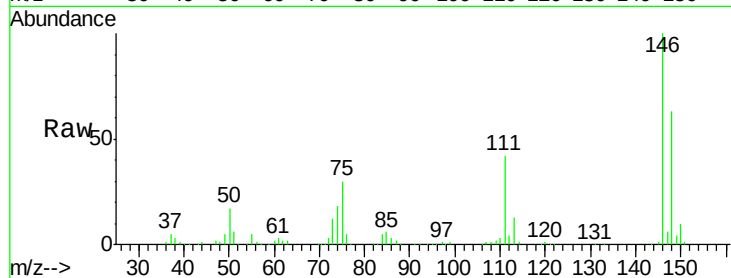
#91
 1,2-Dichlorobenzene
 Concen: 21.150 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	63.4	31.8	95.4

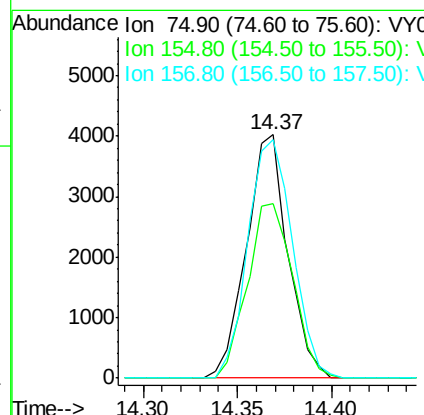
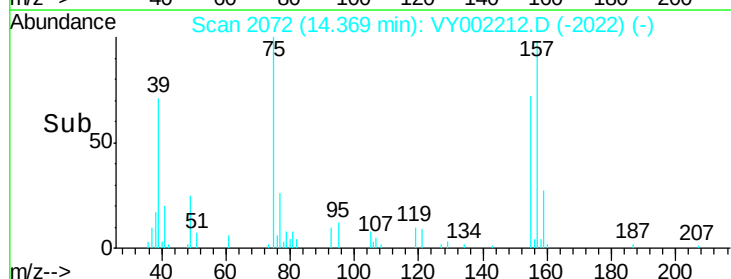
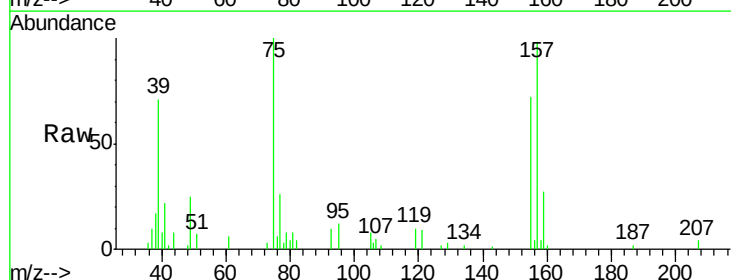
Manual Integrations
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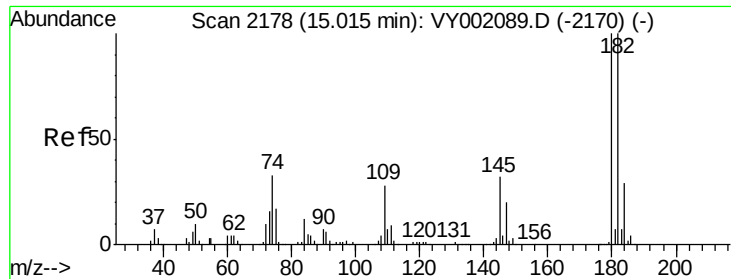
MMDadoda
 4/6/2020 11:30:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.461 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	41.6	124.9
157	105.6	53.4	160.3





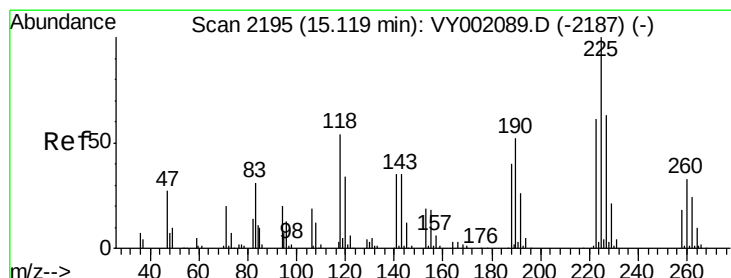
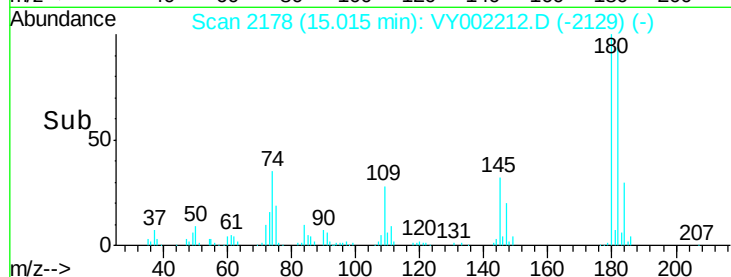
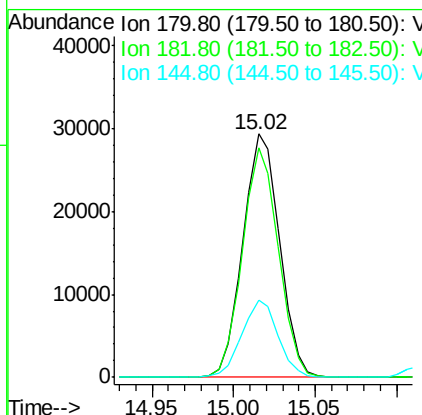
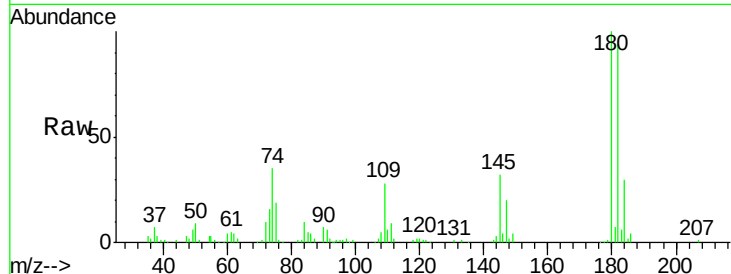
#93
 1,2,4-Trichlorobenzene
 Concen: 21.345 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.1	144.3
145	31.2	15.9	47.6

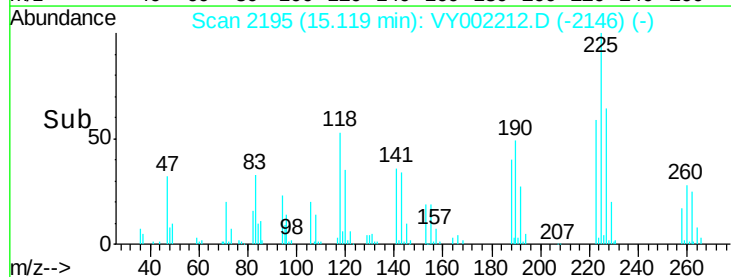
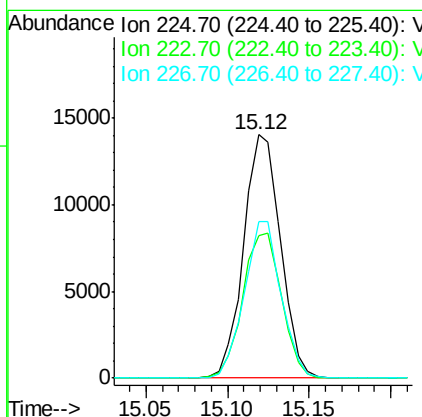
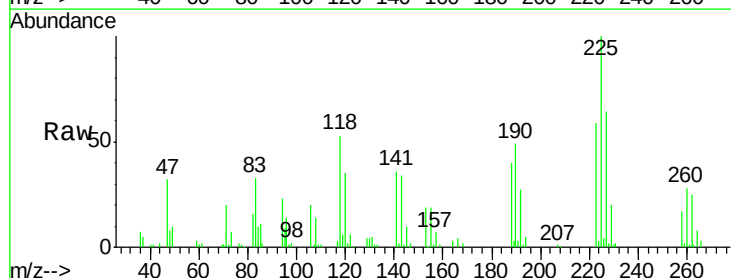
Manual Integrations
 APPROVED

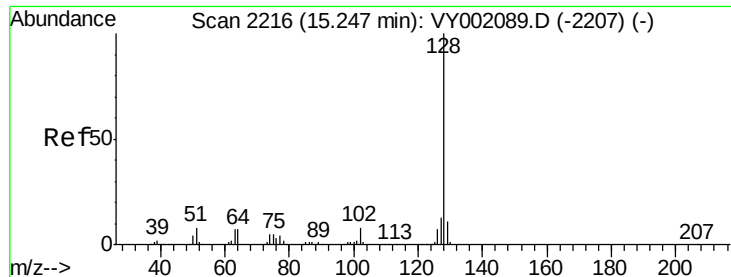
MMDadoda
 4/6/2020 11:30:32 AM



#94
 Hexachlorobutadiene
 Concen: 20.820 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002212.D
 Acq: 03 Apr 2020 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.3
227	64.1	31.6	94.7





#95

Naphthalene

Concen: 20.532 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Instrument :

MSVOA_Y

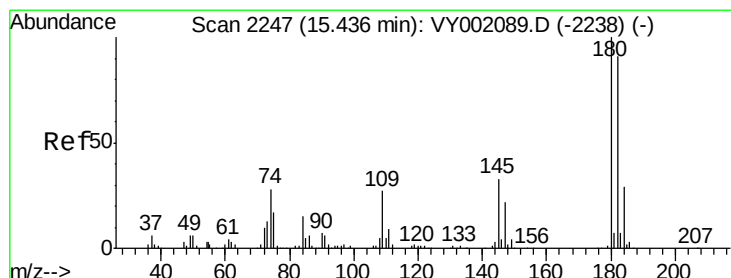
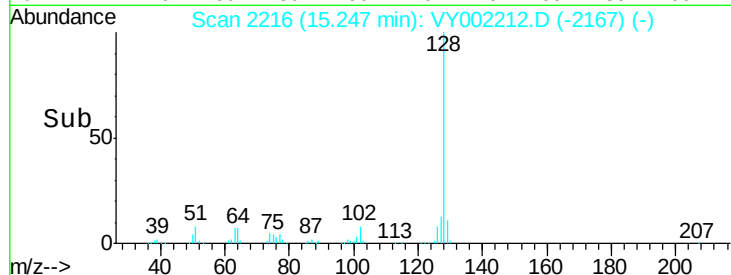
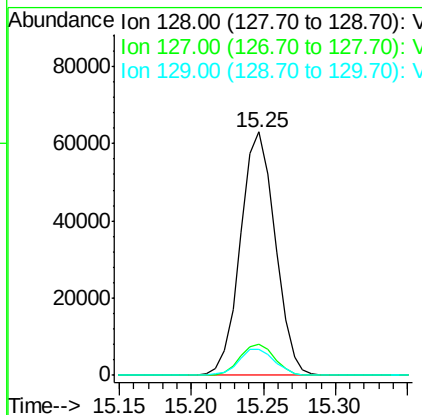
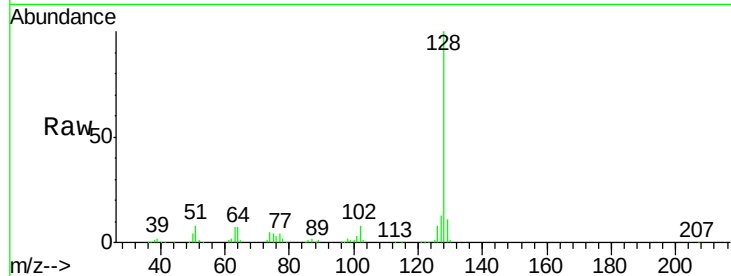
ClientSampleId :

VY0403SBS01

Tot Ion:	128	Resp:	105307
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.8	14.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:30:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.470 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002212.D

Acq: 03 Apr 2020 12:14

Tgt Ion:	180	Resp:	40084
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.8	140.3
145	34.1	16.7	50.1

