

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001249.D
 Acq On : 16 Jan 2020 03:46
 Operator : SY/MD
 Sample : L1136-06MS
 Misc : 8.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:54 AM

Quant Time: Jan 16 07:25:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	142368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	269830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	230971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	98998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	83966	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.73	113	79626	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.18	98	323141	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.48	95	111184	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	60142	55.006	ug/l	99
3) Chloromethane	2.12	50	92297	58.564	ug/l	98
4) Vinyl Chloride	2.26	62	1413460	890.238	ug/l	99
5) Bromomethane	2.65	94	65385	76.666	ug/l	94
6) Chloroethane	2.80	64	62464	68.097	ug/l	99
7) Trichlorofluoromethane	3.13	101	117310	53.081	ug/l	98
8) Diethyl Ether	3.54	74	47366	55.156	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	73928	51.968	ug/l	99
10) Methyl Iodide	4.10	142	103688	53.251	ug/l	99
11) Tert butyl alcohol	4.96	59	37615	248.632	ug/l	98
12) 1,1-Dichloroethene	3.88	96	89207	61.293	ug/l	97
13) Acrolein	3.74	56	6058	44.480	ug/l	96
14) Allyl chloride	4.49	41	135766	55.271	ug/l	100
15) Acrylonitrile	5.18	53	118551	276.030	ug/l	100
16) Acetone	3.96	43	86501	247.704	ug/l	100
17) Carbon Disulfide	4.20	76	257505	54.666	ug/l	99
18) Methyl Acetate	4.49	43	108212	93.724	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	221024	54.902	ug/l	98
20) Methylene Chloride	4.73	84	103291	65.143	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	156889	95.068	ug/l	94
22) Diisopropyl ether	6.13	45	282496	56.307	ug/l	95
23) Vinyl Acetate	6.08	43	541080	168.631	ug/l	99
24) 1,1-Dichloroethane	6.03	63	223309	81.302	ug/l	97
25) 2-Butanone	7.00	43	150383	276.696	ug/l #	89
26) 2,2-Dichloropropane	6.99	77	119699	47.391	ug/l #	8
27) cis-1,2-Dichloroethene	7.00	96	1563435	864.592	ug/l	91
28) Bromochloromethane	7.35	49	70541	62.543	ug/l	100
29) Tetrahydrofuran	7.36	42	103804	278.699	ug/l	97
30) Chloroform	7.52	83	156662	58.212	ug/l	97
31) Cyclohexane	7.80	56	148514	51.068	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	131961	55.262	ug/l	98
36) 1,1-Dichloropropene	7.93	75	121970	49.595	ug/l	99
37) Ethyl Acetate	7.09	43	65605	45.454	ug/l #	81
38) Carbon Tetrachloride	7.91	117	112950	50.114	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	156155	46.835	ug/l	99
40) Benzene	8.17	78	384947	53.621	ug/l	99
41) Methacrylonitrile	7.33	41	30415m	44.861	ug/l	
42) 1,2-Dichloroethane	8.25	62	102365	50.923	ug/l	99
43) Isopropyl Acetate	8.28	43	136660	49.516	ug/l	99
44) Trichloroethene	8.94	130	109424	58.496	ug/l	100
45) 1,2-Dichloropropane	9.22	63	93265	52.550	ug/l	96
46) Dibromomethane	9.31	93	49100	50.705	ug/l	99
47) Bromodichloromethane	9.50	83	120677	51.135	ug/l	98
48) Methyl methacrylate	9.30	41	65443	51.241	ug/l	100
49) 1,4-Dioxane	9.30	88	13487	1143.664	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	355553	253.891	ug/l	99
52) Toluene	10.24	92	239228	52.247	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	126354	47.847	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	144671	48.590	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	74212	51.695	ug/l	98
56) Ethyl methacrylate	10.51	69	103615	47.184	ug/l	97
57) 1,3-Dichloropropane	10.79	76	125207	50.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	184344	238.681	ug/l	99
59) 2-Hexanone	10.83	43	242363	246.943	ug/l	98
60) Dibromochloromethane	10.99	129	80656	48.797	ug/l	99
61) 1,2-Dibromoethane	11.09	107	69224	49.384	ug/l	99
64) Tetrachloroethene	10.72	164	78493	52.719	ug/l	99
65) Chlorobenzene	11.52	112	326275	70.696	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	83450	52.463	ug/l	99
67) Ethyl Benzene	11.59	91	439371	52.042	ug/l	100
68) m/p-Xylenes	11.70	106	330023	103.624	ug/l	99
69) o-Xylene	12.03	106	157294	51.513	ug/l	100
70) Styrene	12.04	104	271033	50.587	ug/l	99
71) Bromoform	12.20	173	48596	49.540	ug/l #	100
73) Isopropylbenzene	12.33	105	417952	56.158	ug/l	100
74) N-amyl acetate	12.14	43	108395	46.669	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	88236	56.351	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	60325m	56.922	ug/l	
77) Bromobenzene	12.61	156	89910	54.673	ug/l	97
78) n-propylbenzene	12.67	91	485040	54.182	ug/l	100
79) 2-Chlorotoluene	12.75	91	275144	53.517	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	339822	54.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	30683	49.097	ug/l #	100
82) 4-Chlorotoluene	12.85	91	284806	51.890	ug/l	99
83) tert-Butylbenzene	13.07	119	289209	55.427	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	338369	54.870	ug/l	100
85) sec-Butylbenzene	13.25	105	405227	53.984	ug/l	99
86) p-Isopropyltoluene	13.37	119	348673	53.499	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	168192	54.080	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	171923	53.711	ug/l	100
89) n-Butylbenzene	13.69	91	322354	49.108	ug/l	99
90) Hexachloroethane	13.96	117	69459	54.543	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	161966	56.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15666	55.464	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	79395	41.690	ug/l	99
94) Hexachlorobutadiene	15.11	225	39787	41.470	ug/l	98
95) Naphthalene	15.23	128	210771	47.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	68111	40.581	ug/l	100

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

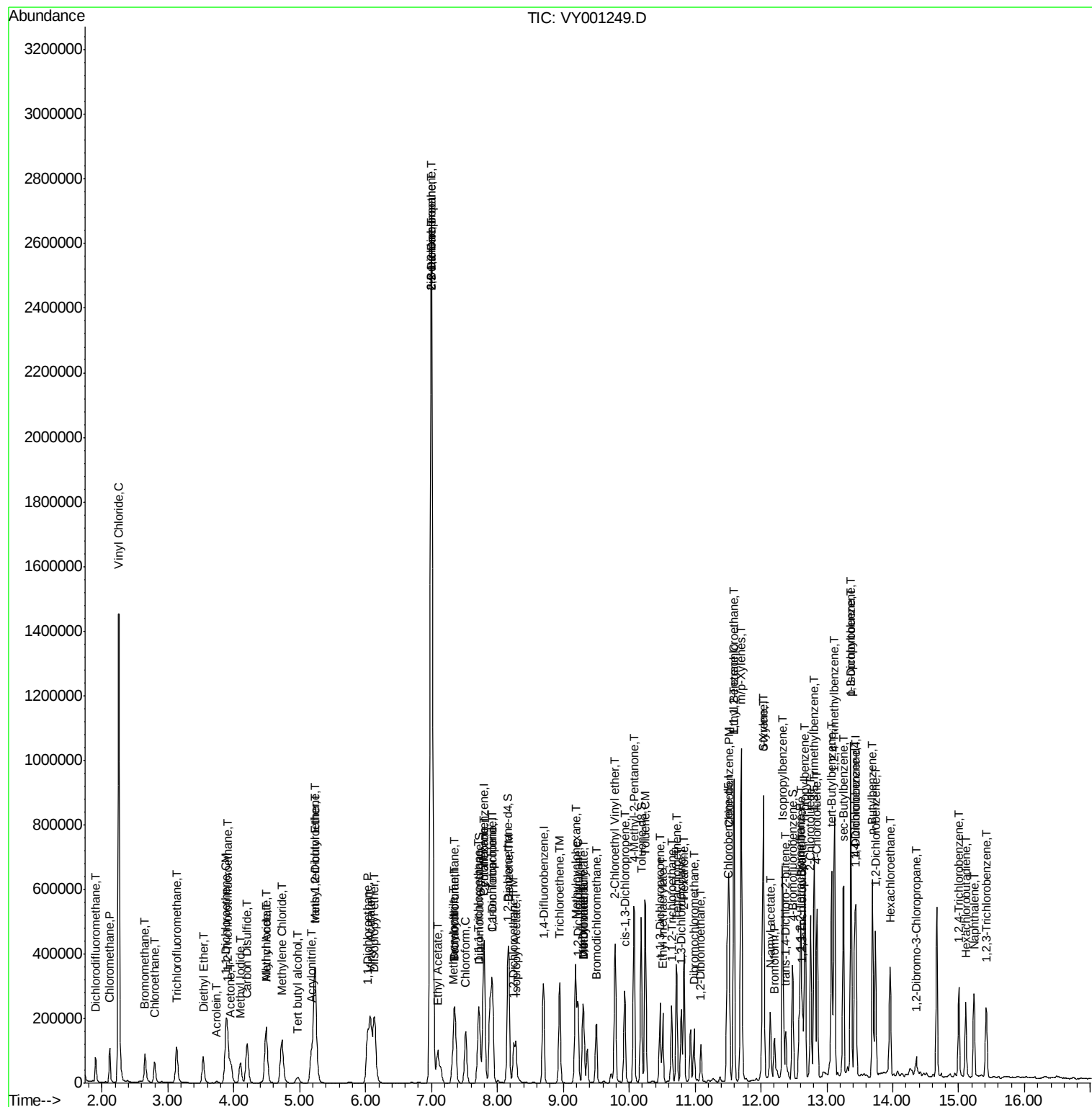
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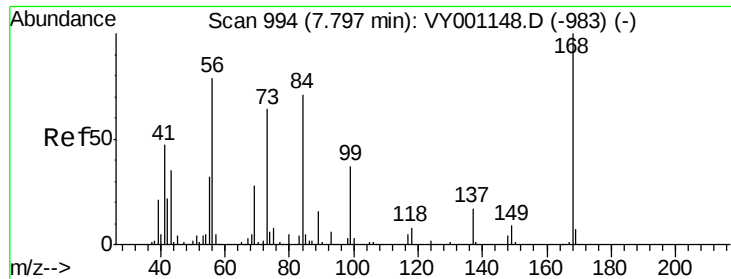
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:168 Resp: 142368

Ion Ratio Lower Upper

168 100

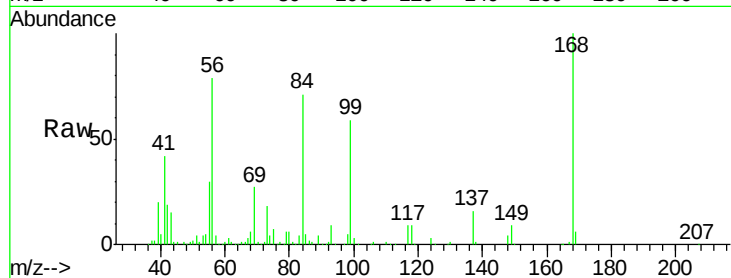
99 59.1 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

60000

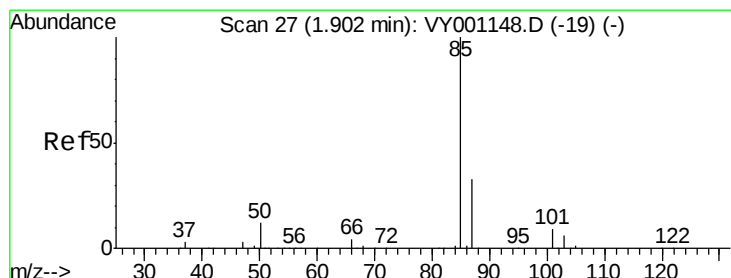
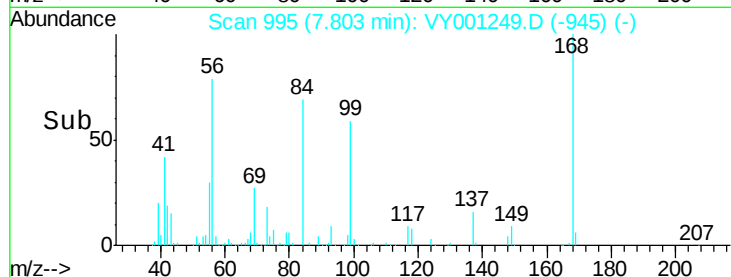
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 55.006 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001249.D

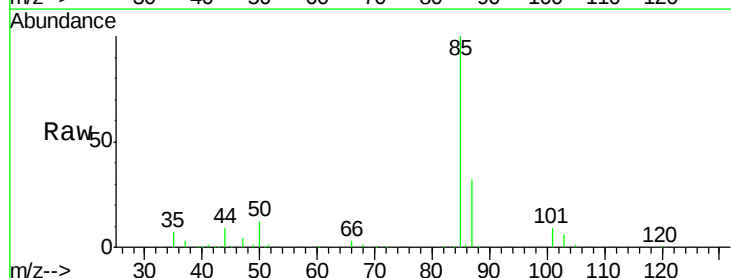
Acq: 16 Jan 2020 03:46

Tgt Ion: 85 Resp: 60142

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

40000

30000

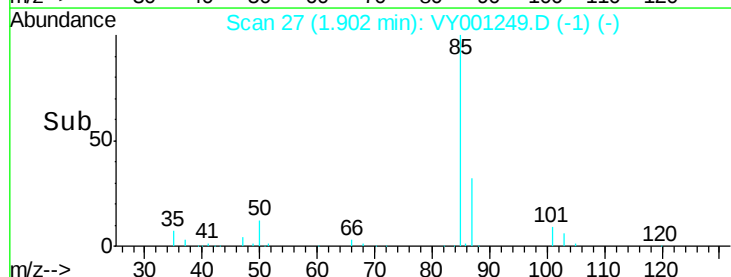
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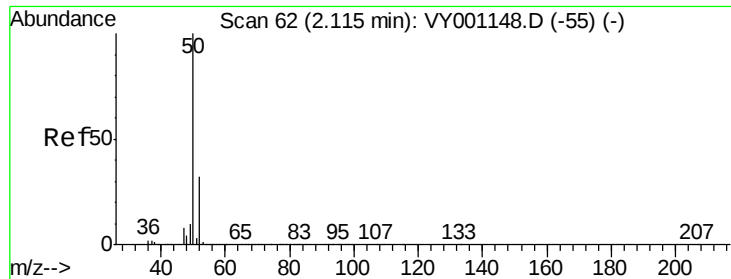
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0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 58.564 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

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Tot Ion: 50 Resp: 92297

Ion Ratio Lower Upper

50 100

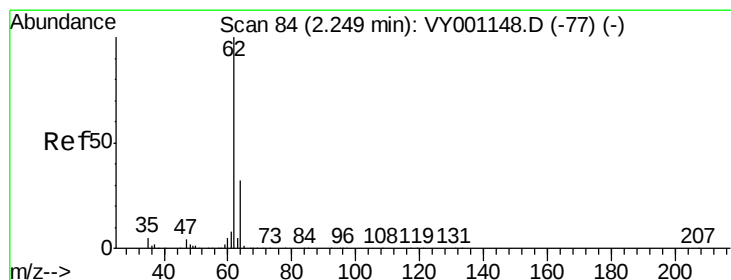
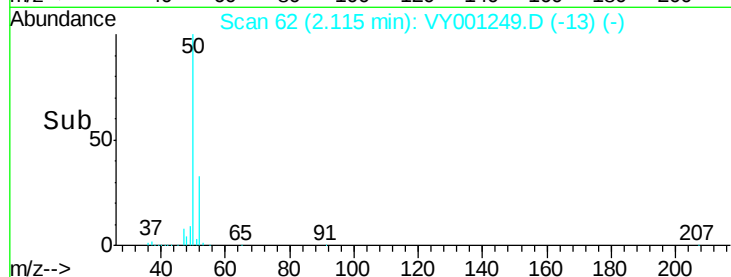
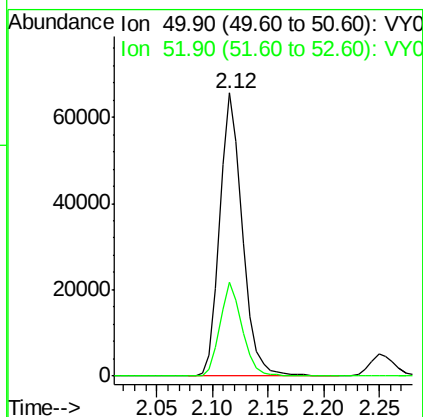
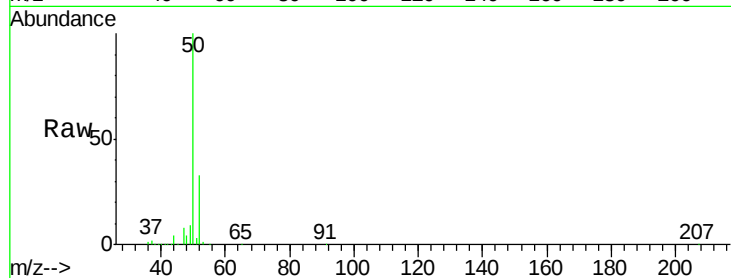
52 33.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 890.238 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001249.D

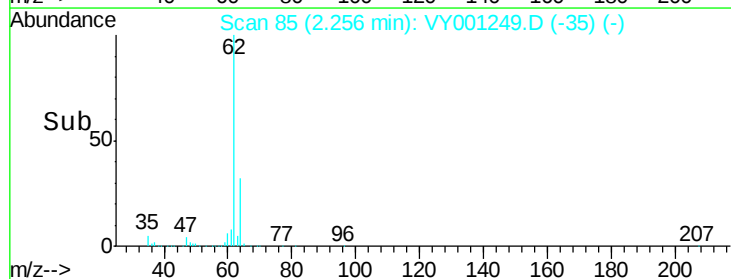
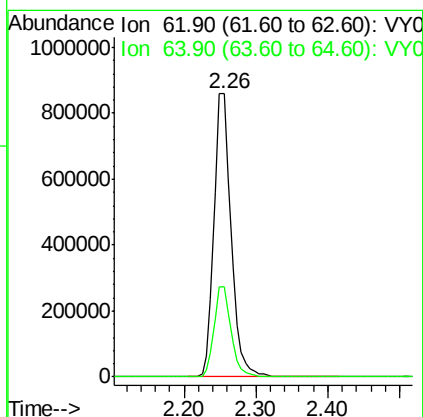
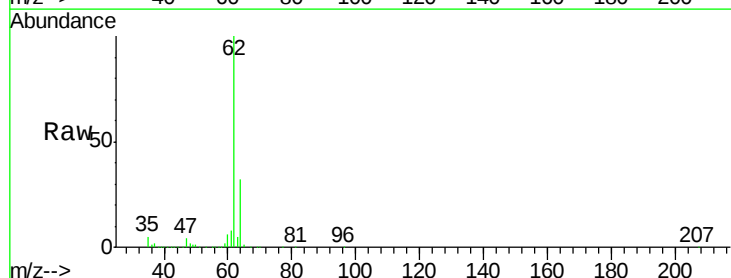
Acq: 16 Jan 2020 03:46

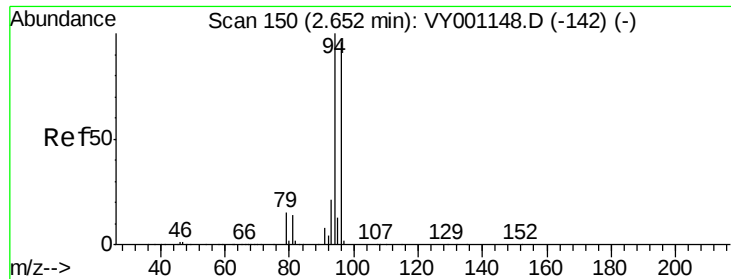
Tgt Ion: 62 Resp: 1413460

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 76.666 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

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Tot Ion: 94 Resp: 65385

Ion Ratio Lower Upper

94 100

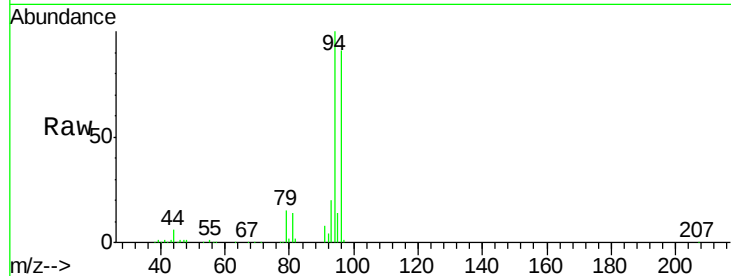
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Manual Integrations

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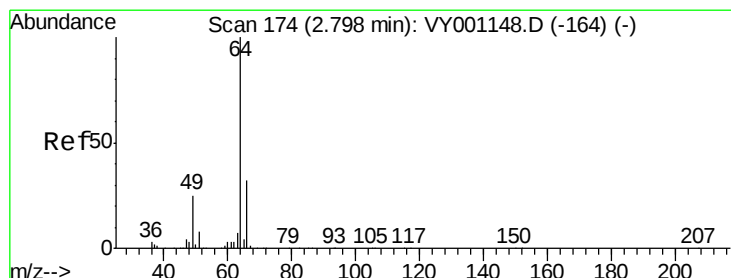
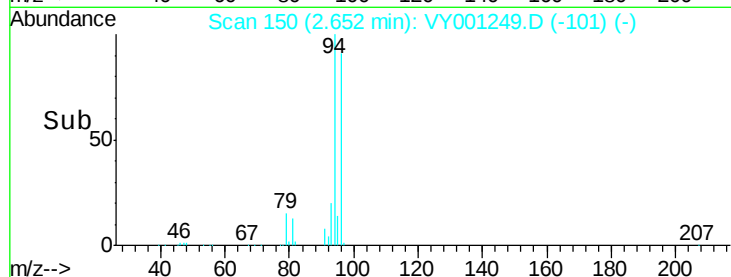
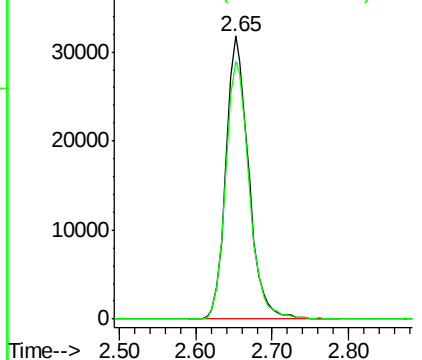
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 68.097 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001249.D

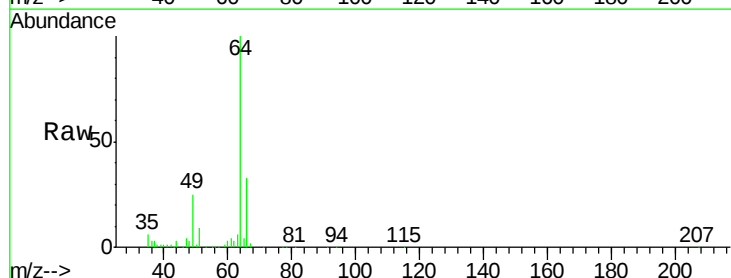
Acq: 16 Jan 2020 03:46

Tgt Ion: 64 Resp: 62464

Ion Ratio Lower Upper

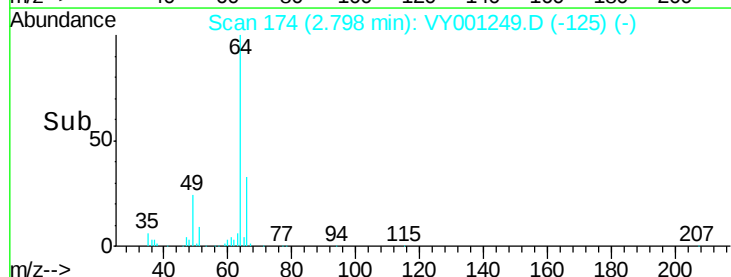
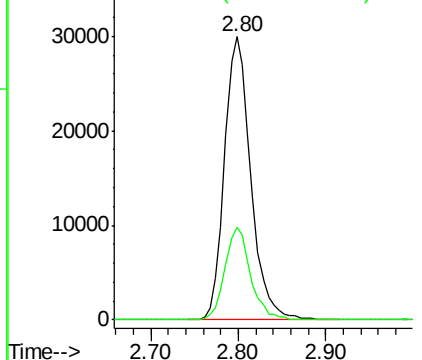
64 100

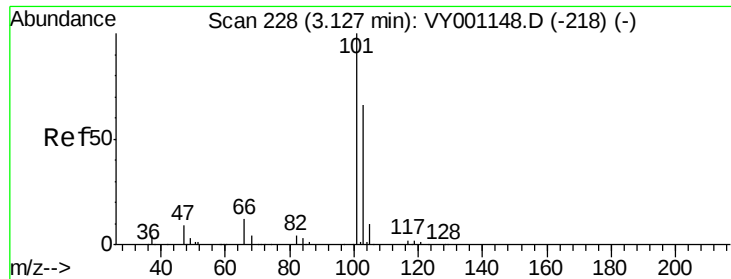
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

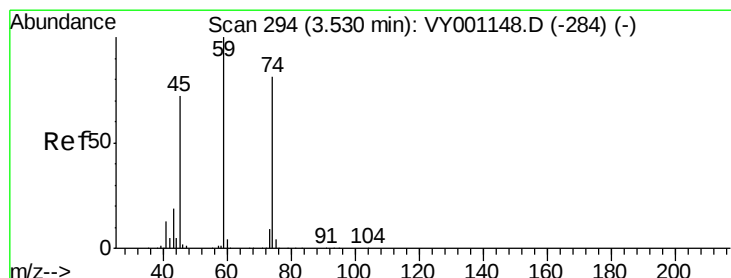
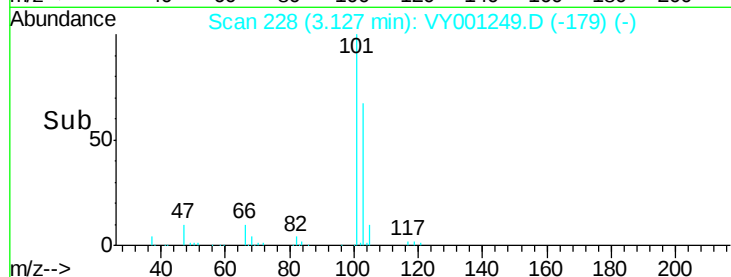
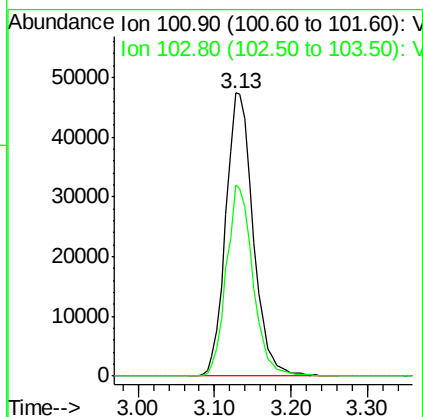
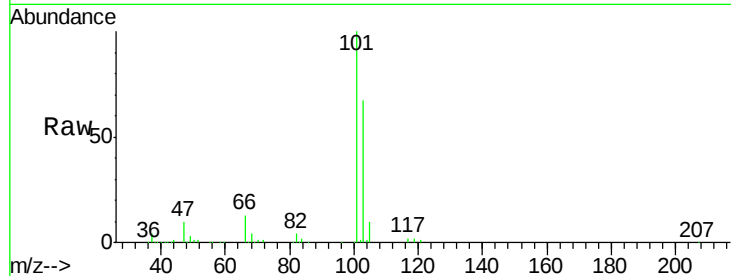
Trichlorofluoromethane
 Concen: 53.081 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.6	79.0

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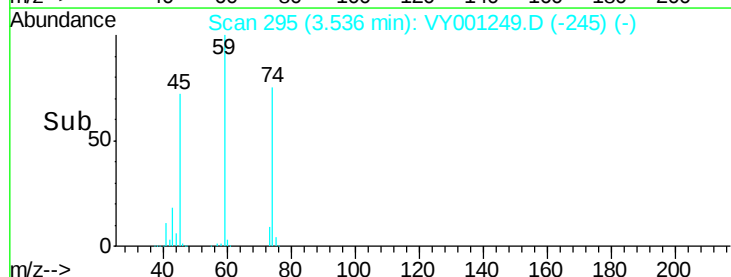
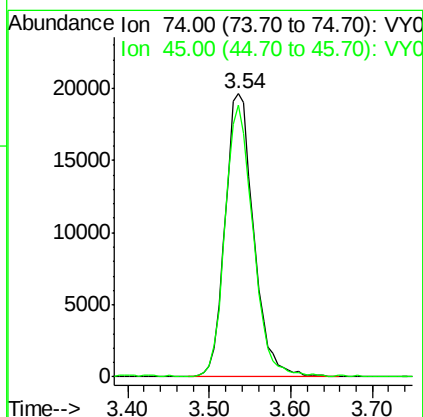
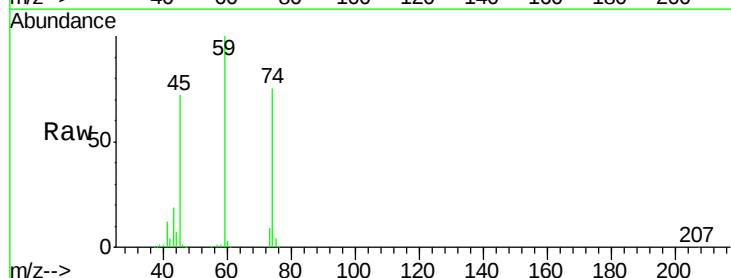
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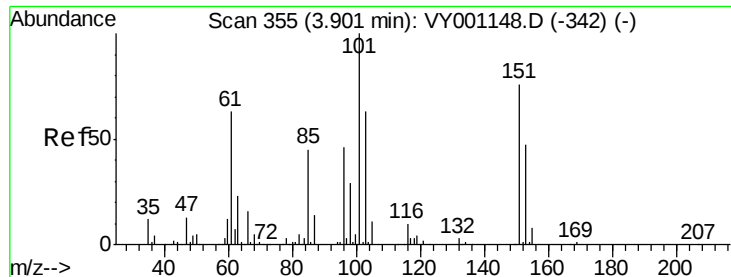


#8

Diethyl Ether
 Concen: 55.156 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.968 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

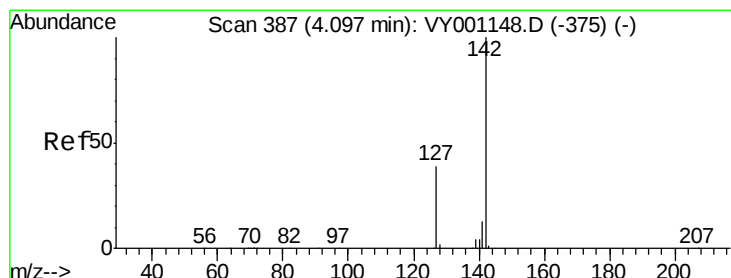
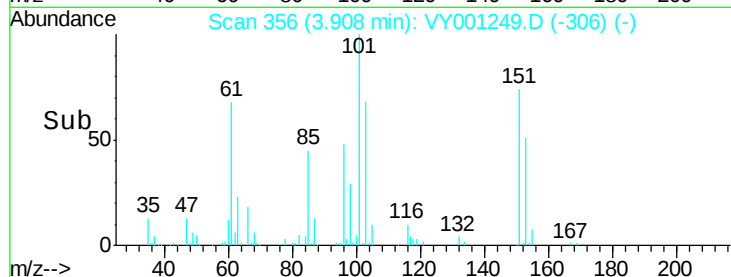
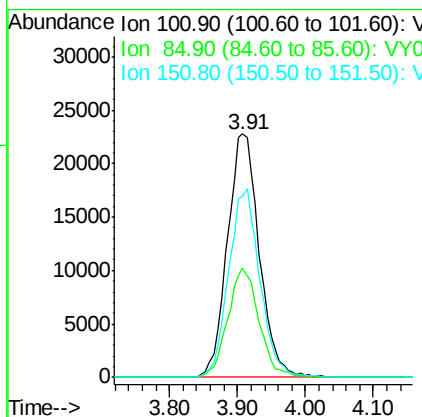
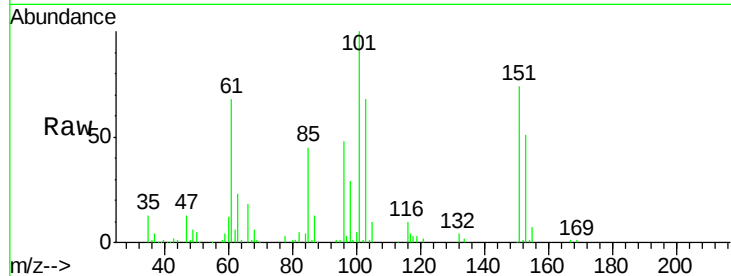
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	101	Resp:	73928
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	76.0	61.4	92.2

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#10

Methyl Iodide

Concen: 53.251 ug/l

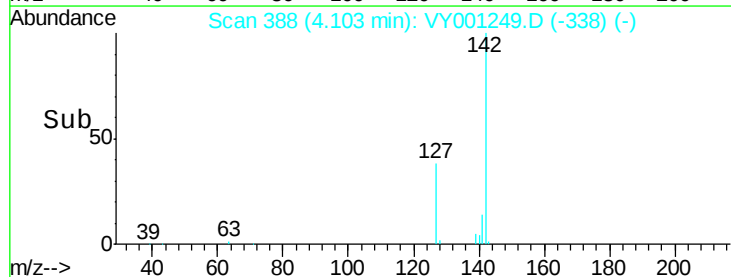
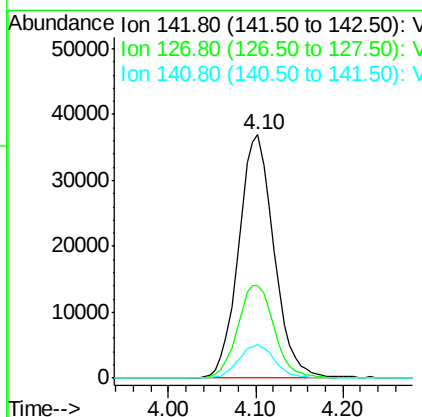
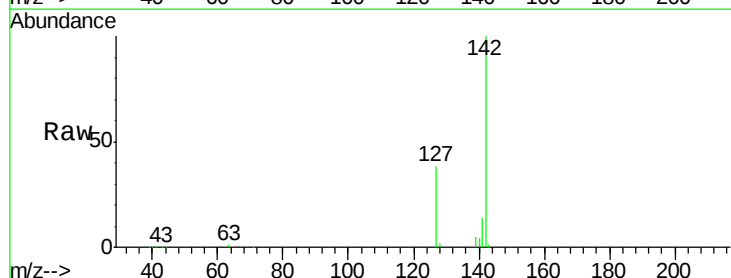
RT: 4.10 min Scan# 388

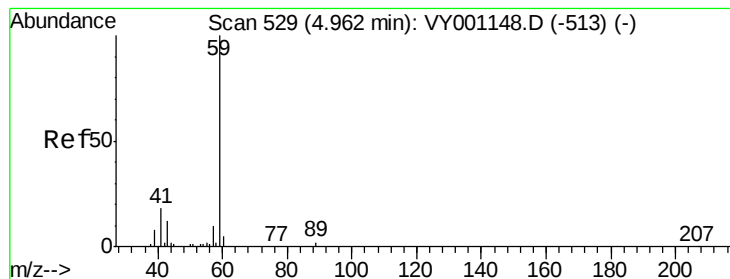
Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	142	Resp:	103688
Ion Ratio	Lower	Upper	
142	100		
127	39.6	30.8	46.2
141	13.9	11.0	16.4





#11

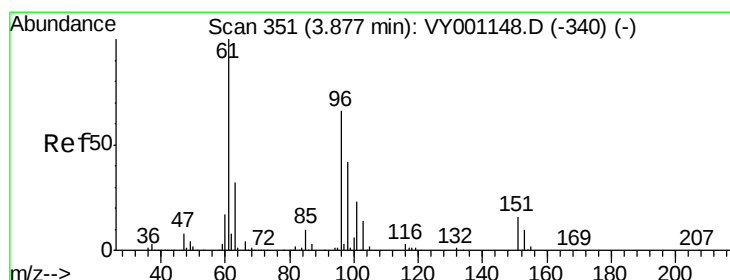
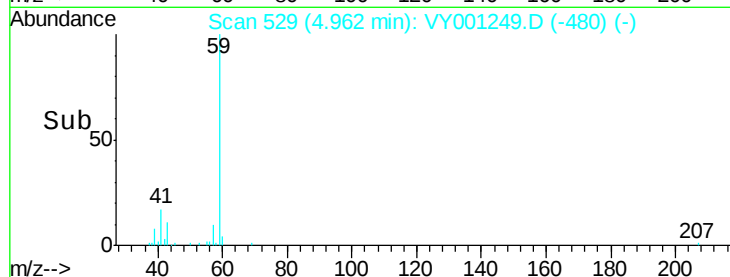
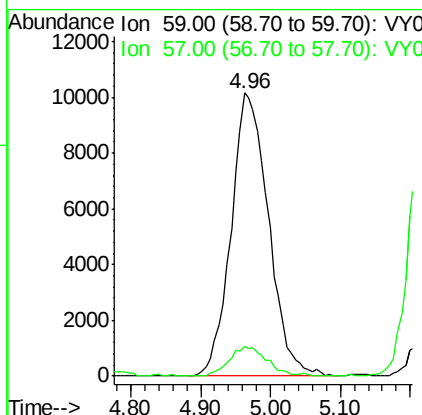
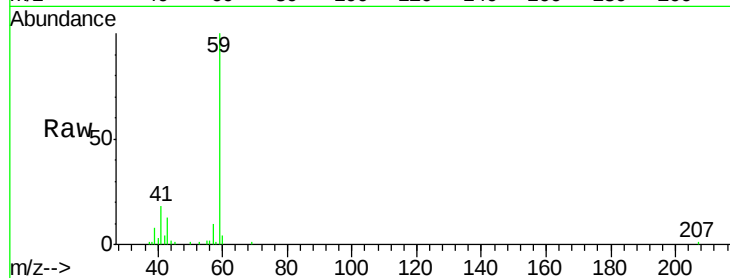
Tert butyl alcohol
 Concen: 248.632 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion: 59 Resp: 37615
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.8

Manual Integrations
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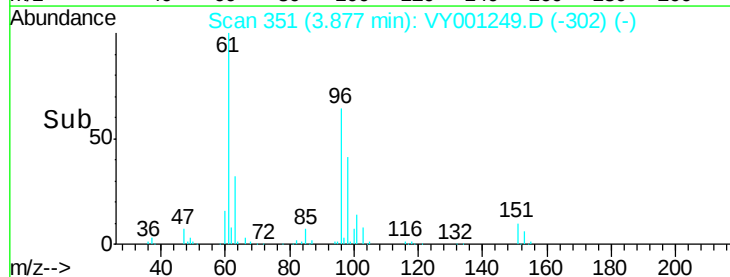
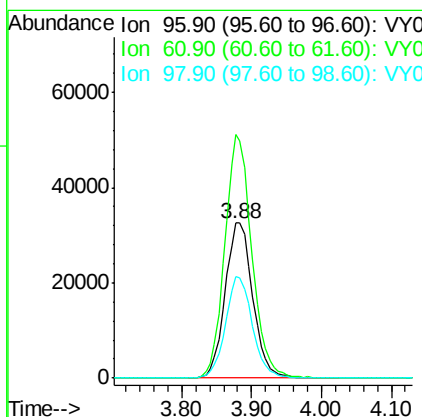
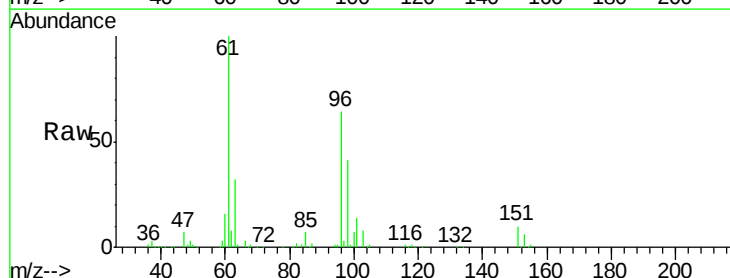
MMDadoda
 1/16/2020 9:36:54 AM

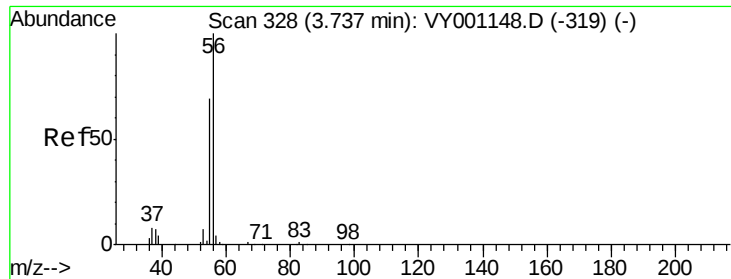


#12

1,1-Dichloroethene
 Concen: 61.293 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion: 96 Resp: 89207
 Ion Ratio Lower Upper
 96 100
 61 157.2 122.1 183.1
 98 65.2 51.0 76.6





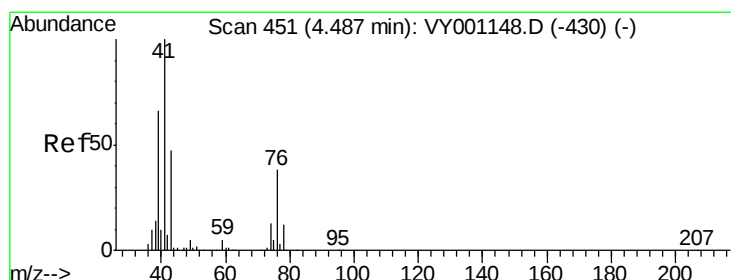
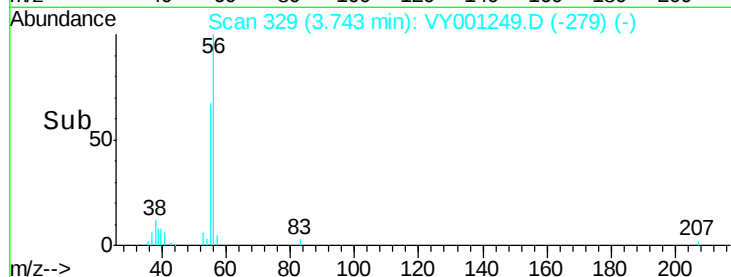
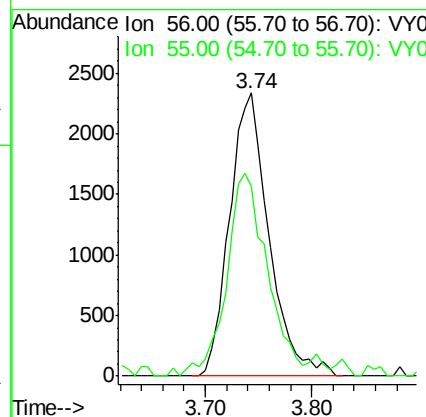
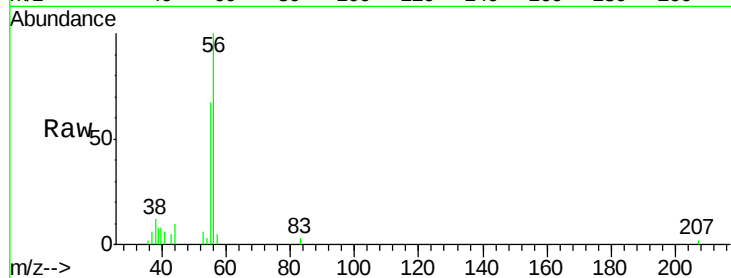
#13
Acrolein
Concen: 44.480 ug/l
RT: 3.74 min Scan# 329
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion: 56 Resp: 6058
Ion Ratio Lower Upper
56 100
55 73.9 56.7 85.1

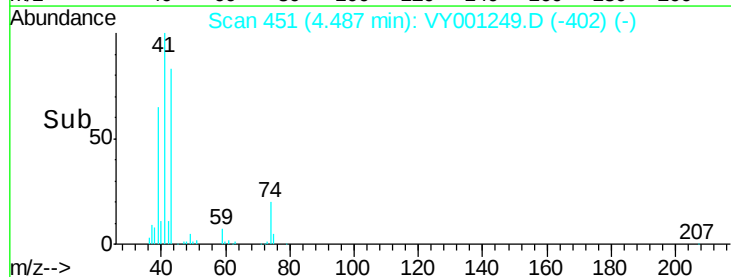
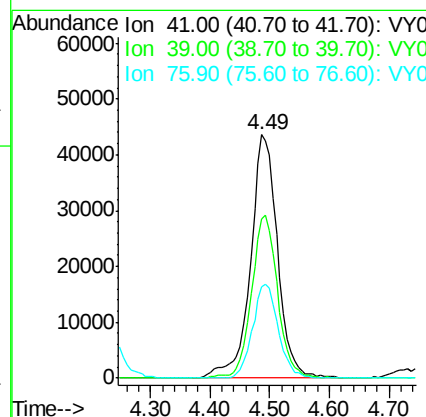
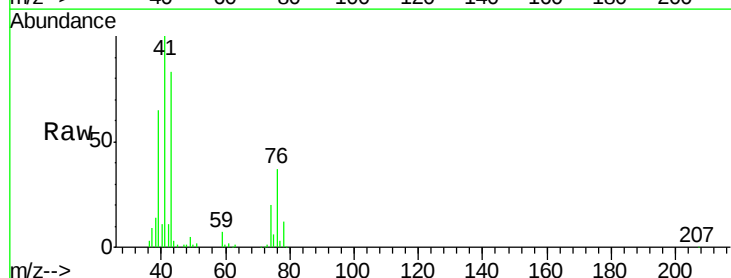
Manual Integrations
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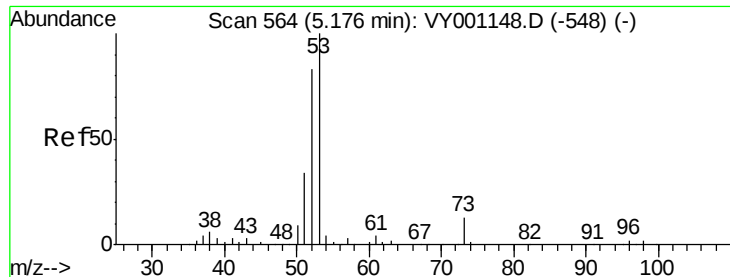
MMDadoda
1/16/2020 9:36:54 AM



#14
Allyl chloride
Concen: 55.271 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion: 41 Resp: 135766
Ion Ratio Lower Upper
41 100
39 65.5 52.6 78.8
76 37.1 30.2 45.2





#15

Acrylonitrile

Concen: 276.030 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

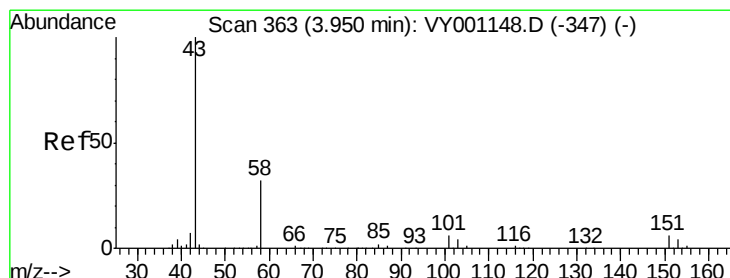
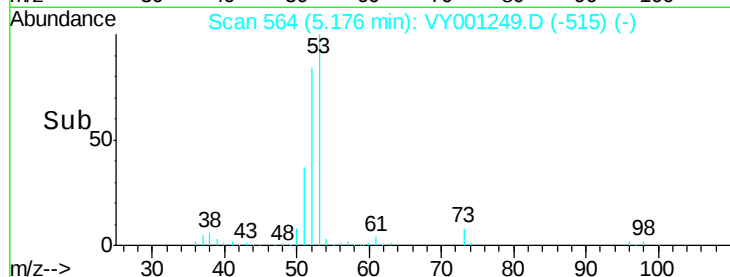
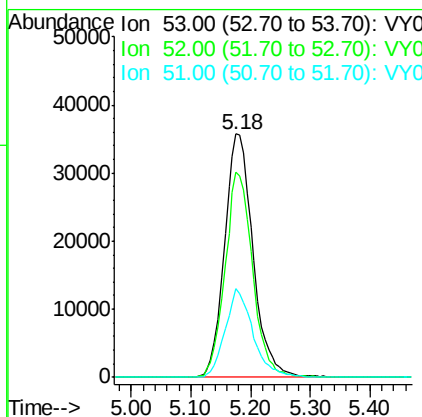
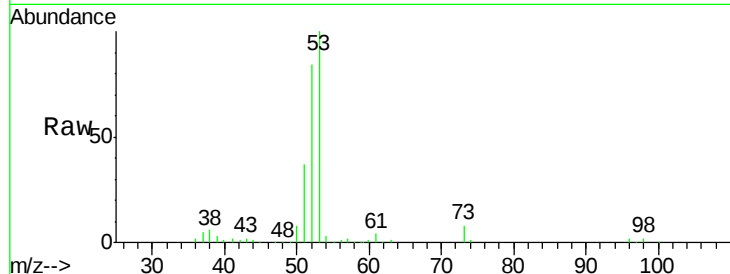
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	53	Resp:	118551
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.7	98.5
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 247.704 ug/l

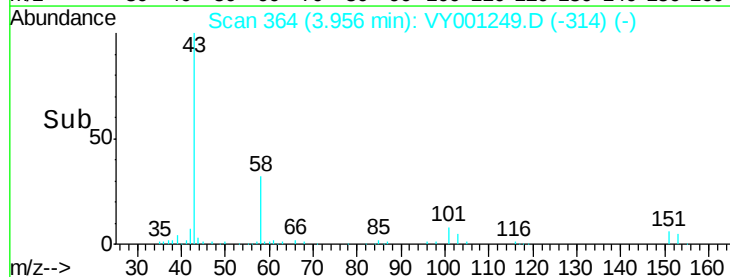
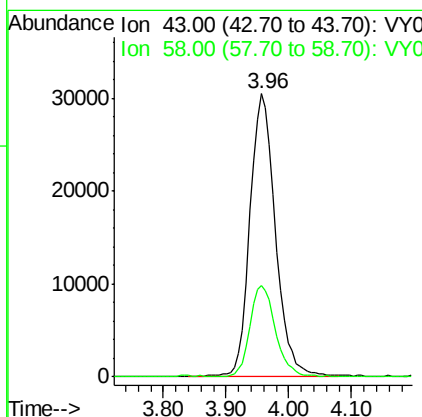
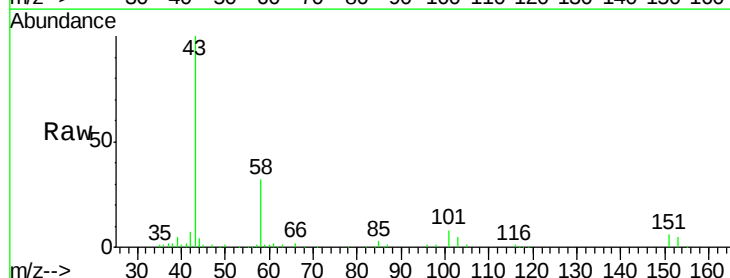
RT: 3.96 min Scan# 364

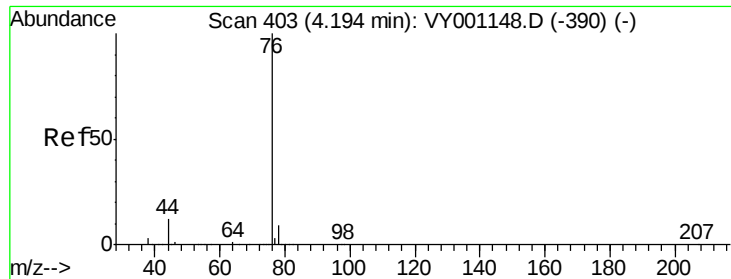
Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	43	Resp:	86501
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6





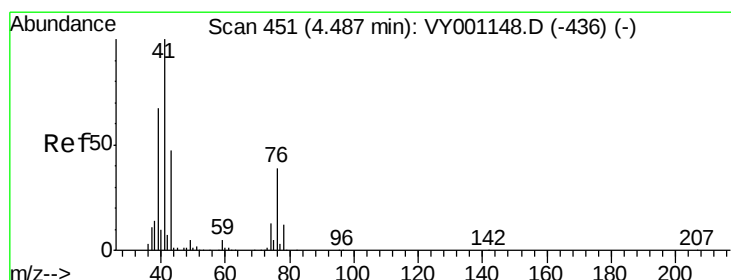
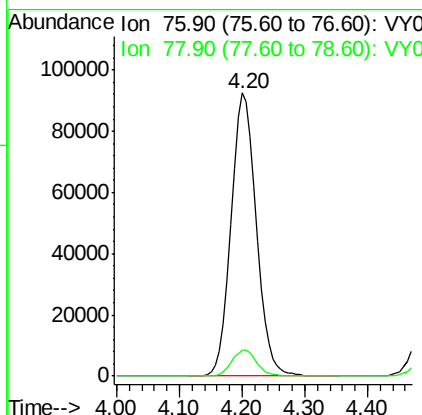
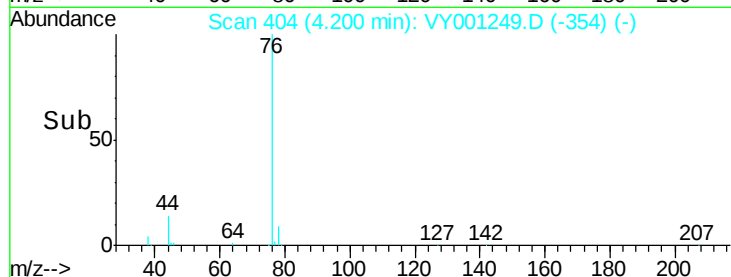
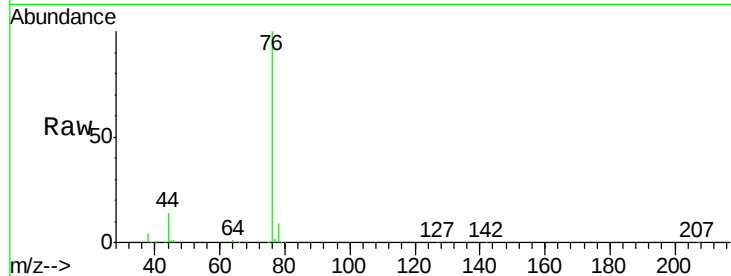
#17
Carbon Disulfide
Concen: 54.666 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion: 76 Resp: 257505
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

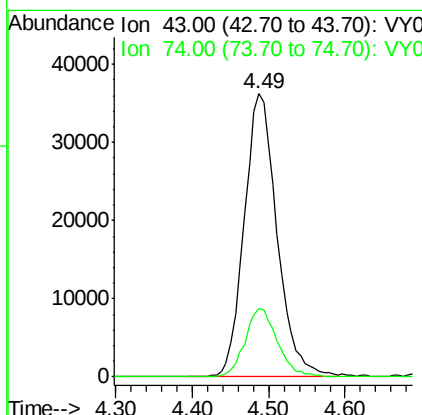
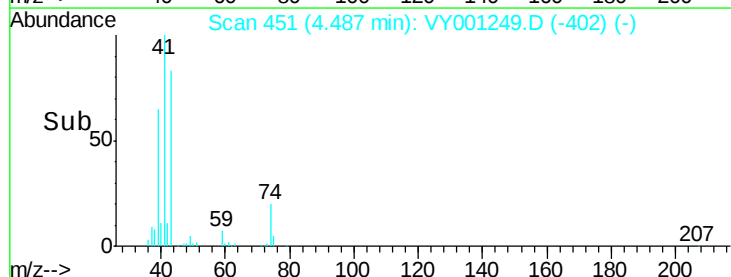
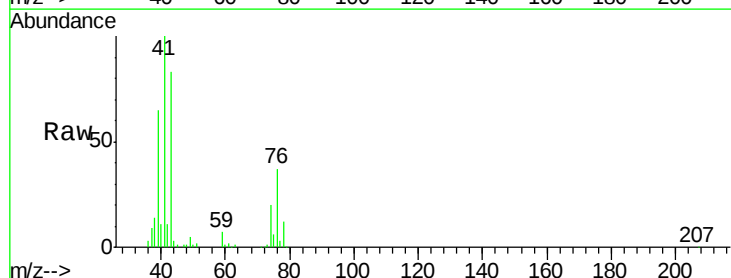
Manual Integrations
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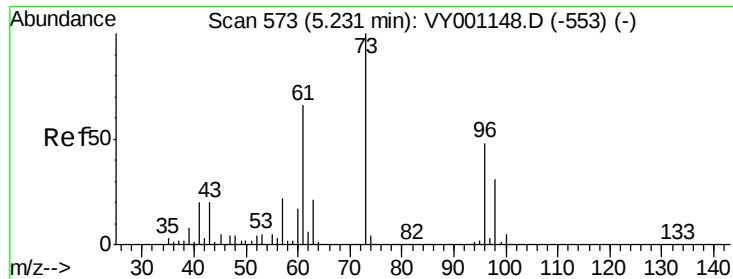
MMDadoda
1/16/2020 9:36:54 AM



#18
Methyl Acetate
Concen: 93.724 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion: 43 Resp: 108212
Ion Ratio Lower Upper
43 100
74 23.9 20.2 30.2





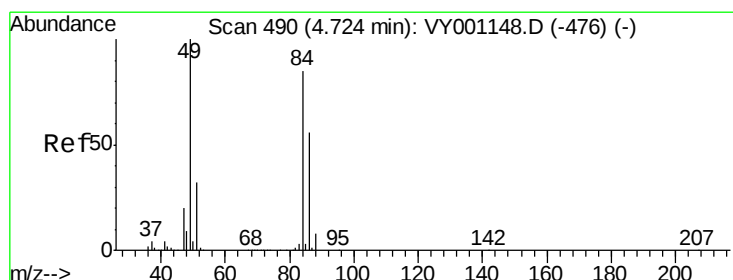
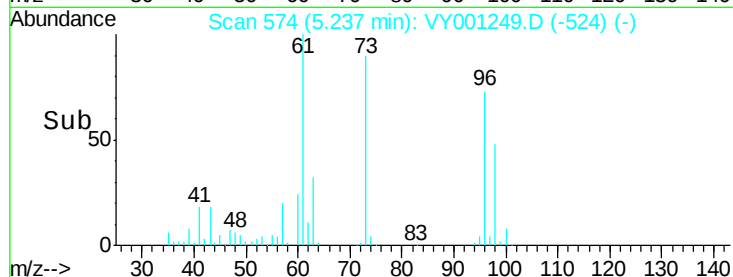
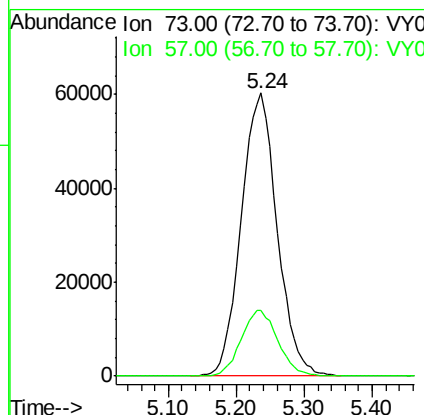
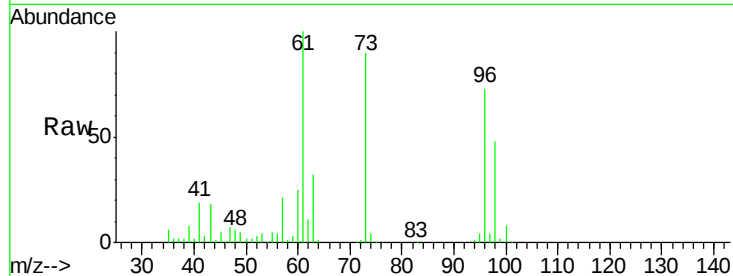
#19
Methyl tert-butyl Ether
Concen: 54.902 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion: 73 Resp: 221024
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.6

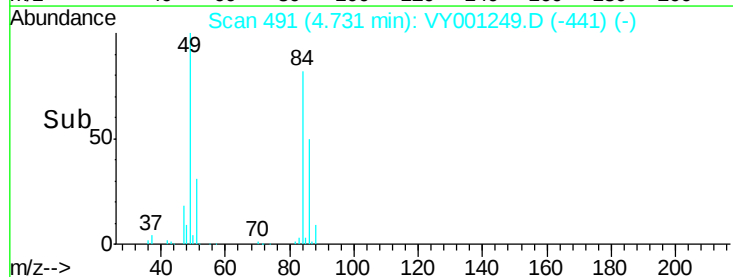
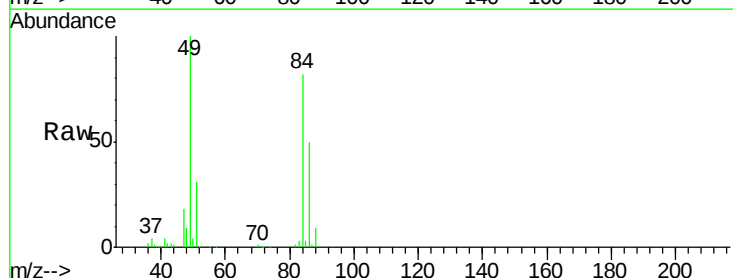
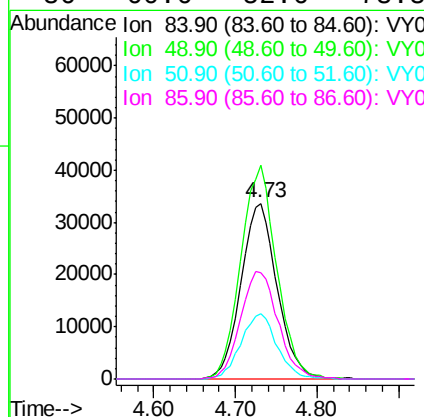
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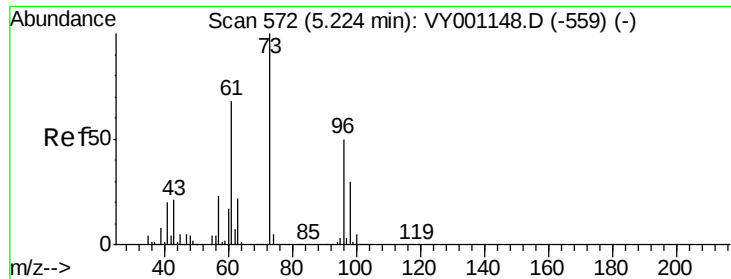
MMDadoda
1/16/2020 9:36:54 AM



#20
Methylene Chloride
Concen: 65.143 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion: 84 Resp: 103291
Ion Ratio Lower Upper
84 100
49 121.5 93.8 140.6
51 37.3 29.9 44.9
86 60.6 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 95.068 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

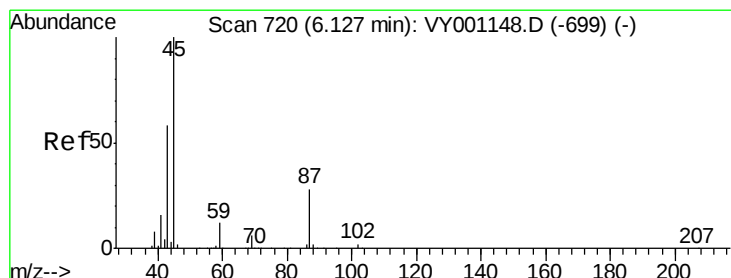
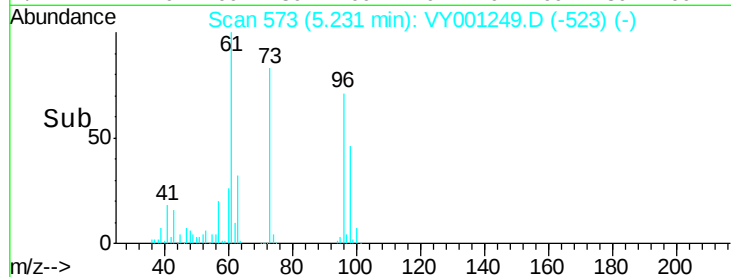
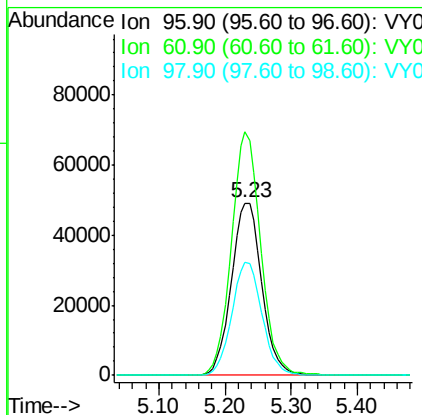
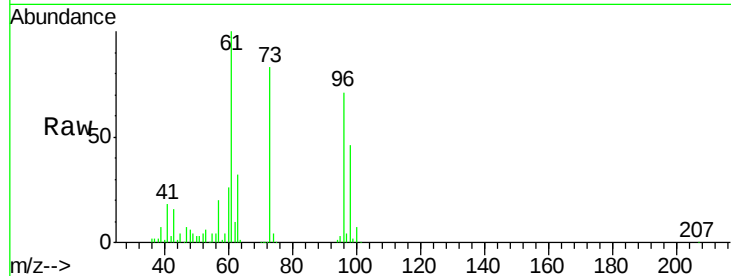
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	96	Resp:	156889
Ion	Ratio	Lower	Upper
96	100		
61	141.1	107.6	161.4
98	65.2	47.6	71.4

Manual Integrations
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MMDadoda
1/16/2020 9:36:54 AM



#22

Diisopropyl ether

Concen: 56.307 ug/l

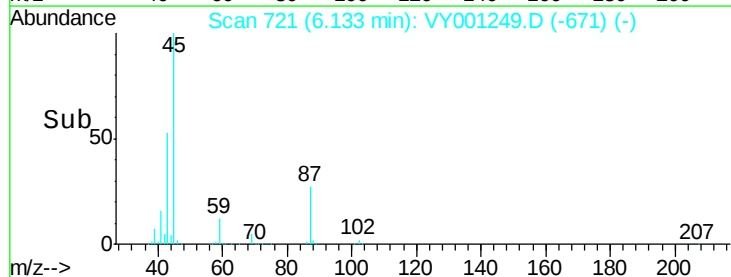
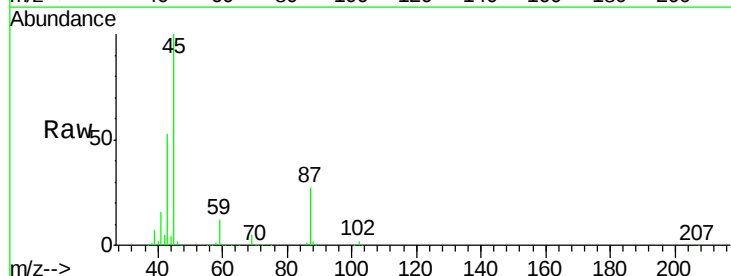
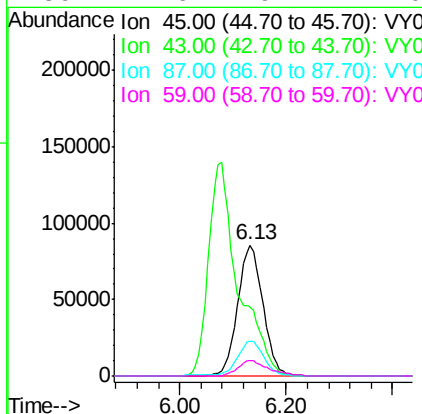
RT: 6.13 min Scan# 721

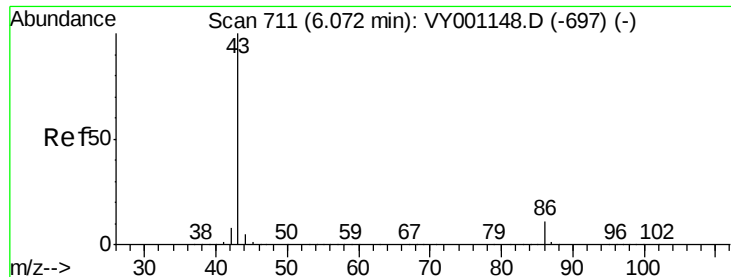
Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	45	Resp:	282496
Ion	Ratio	Lower	Upper
45	100		
43	52.6	46.5	69.7
87	26.8	22.5	33.7
59	11.6	9.4	14.0





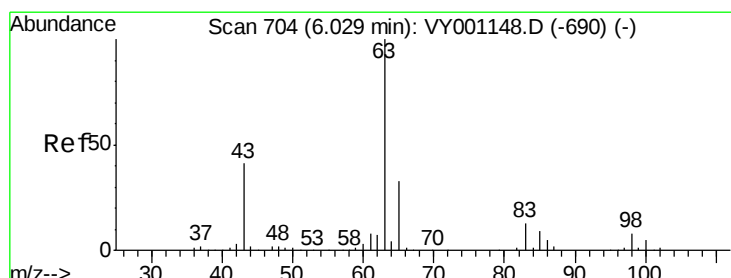
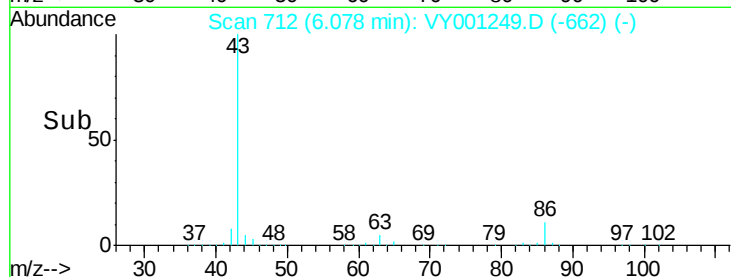
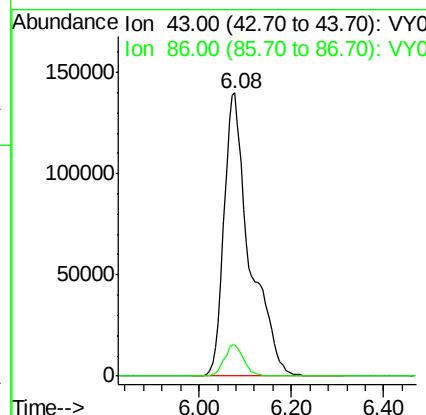
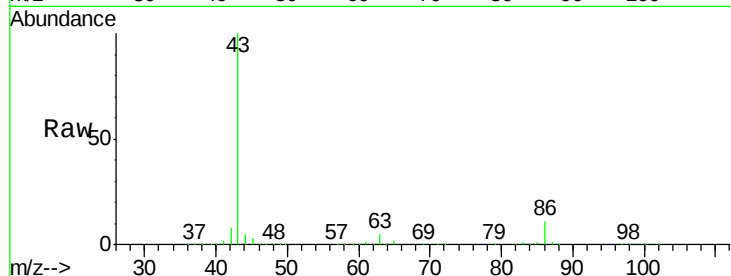
#23
 Vinyl Acetate
 Concen: 168.631 ug/l
 RT: 6.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.0	13.4

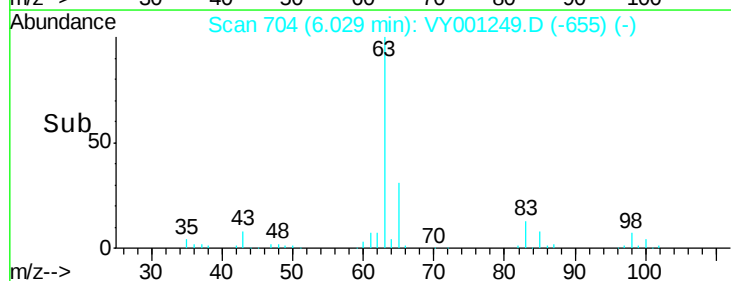
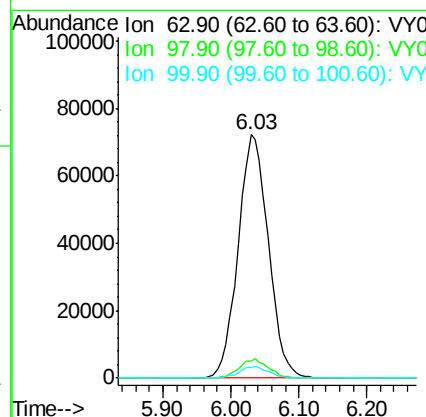
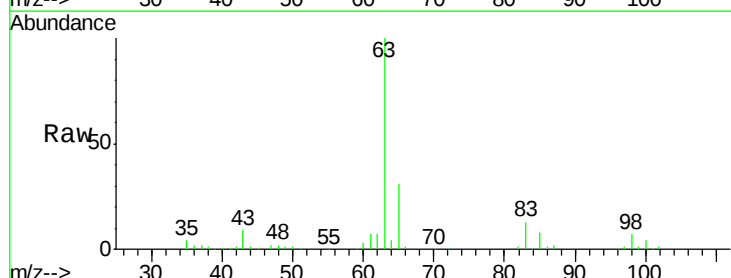
Manual Integrations
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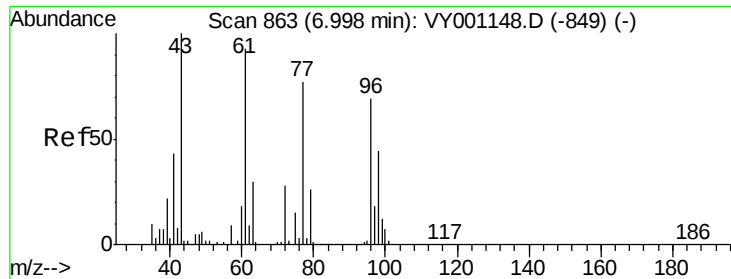
MMDadoda
 1/16/2020 9:36:54 AM



#24
 1,1-Dichloroethane
 Concen: 81.302 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.9	11.7
100	4.1	2.4	7.2





#25

2-Butanone

Concen: 276.696 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 43 Resp: 150383

Ion Ratio Lower Upper

43 100

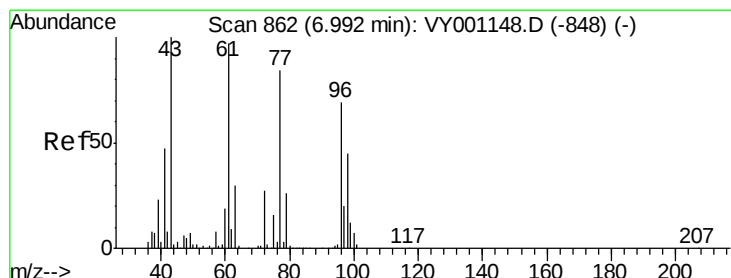
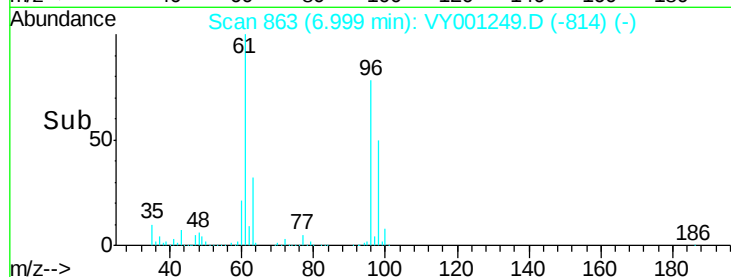
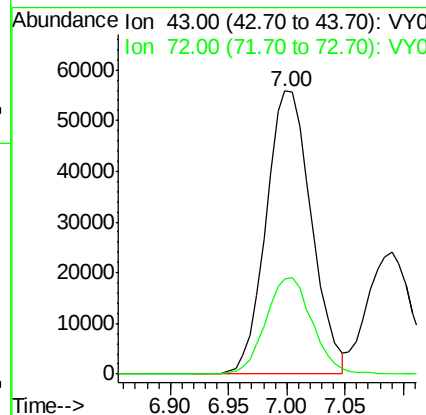
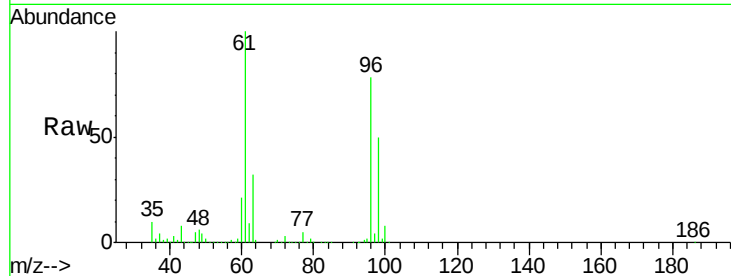
72 33.7 22.2 33.2#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.391 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001249.D

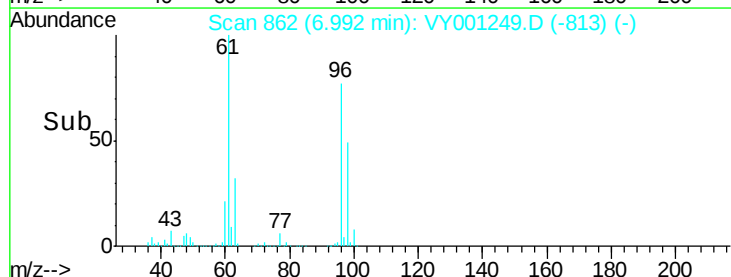
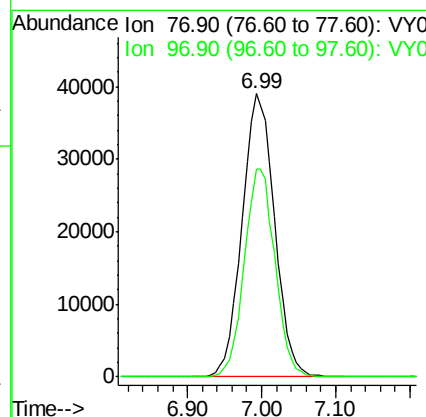
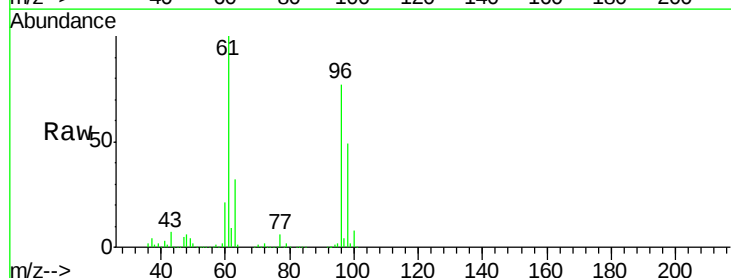
Acq: 16 Jan 2020 03:46

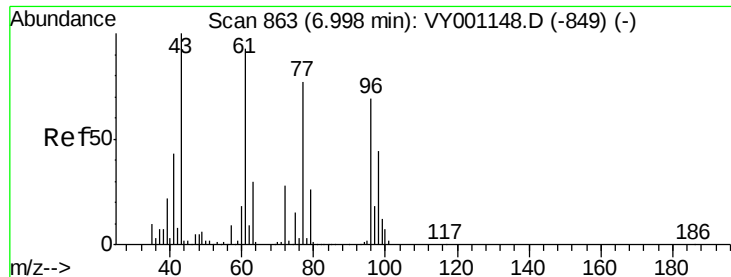
Tgt Ion: 77 Resp: 119699

Ion Ratio Lower Upper

77 100

97 69.2 11.9 35.7#





#27

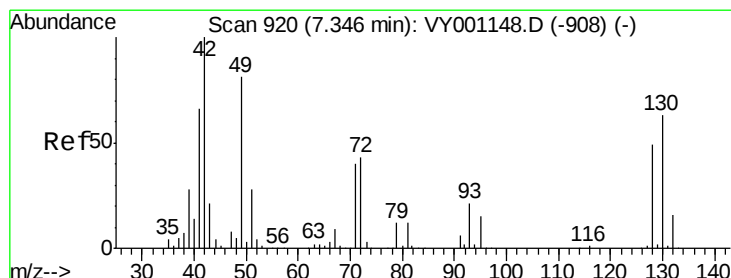
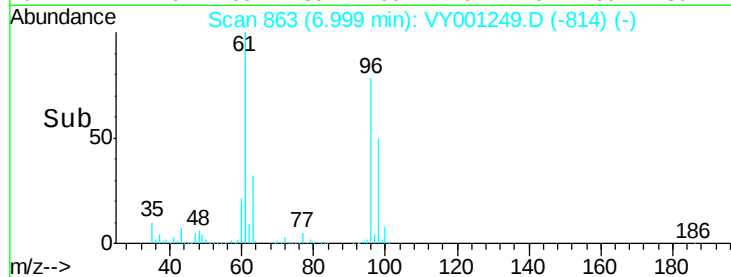
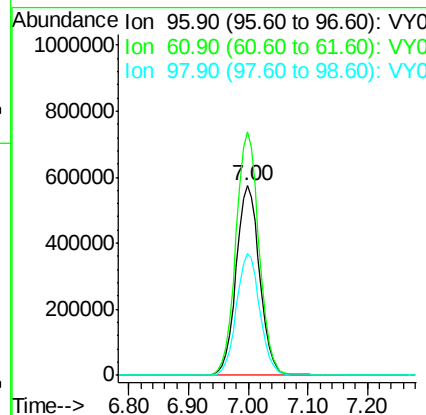
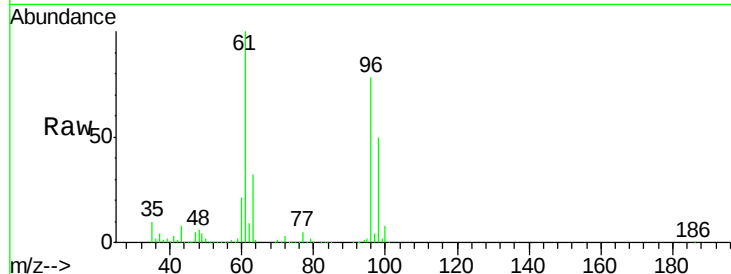
cis-1,2-Dichloroethene
Concen: 864.592 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	284.0
98	64.1	0.0	130.2

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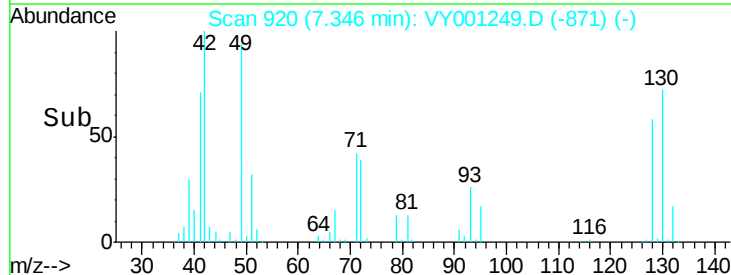
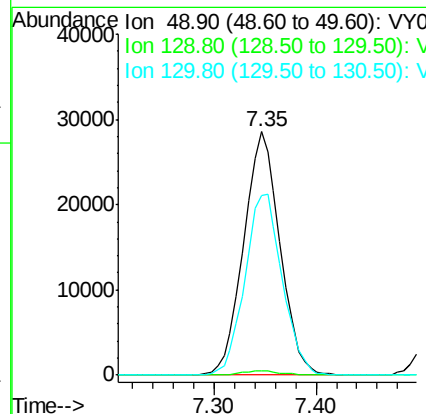
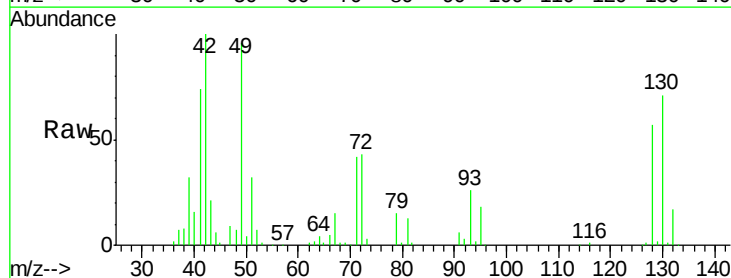
MMDadoda
1/16/2020 9:36:54 AM

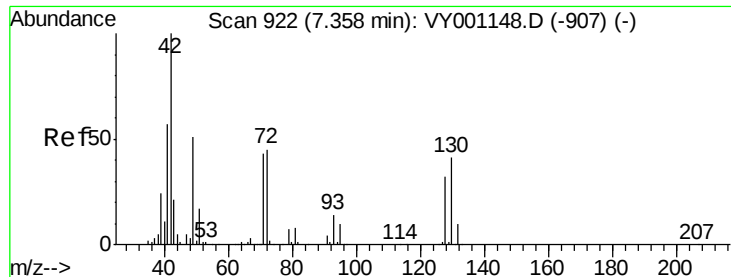


#28

Bromochloromethane
Concen: 62.543 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	76.5	61.2	91.8





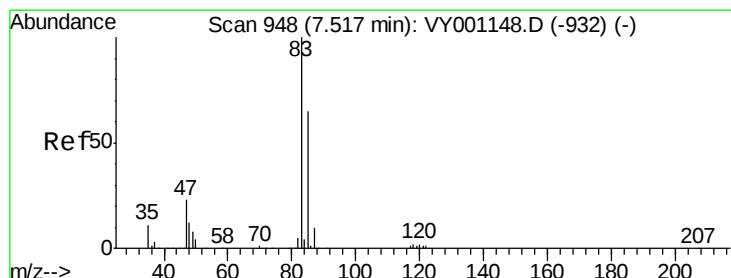
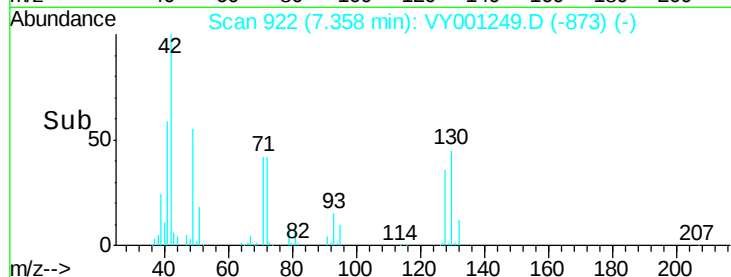
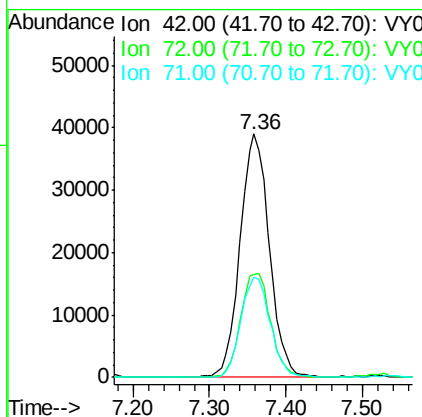
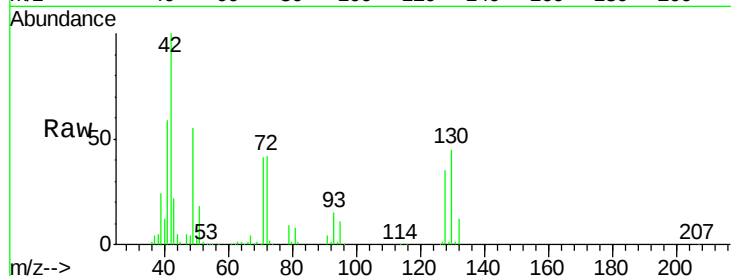
#29
Tetrahydrofuran
Concen: 278.699 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	36.9	55.3
71	41.4	34.0	51.0

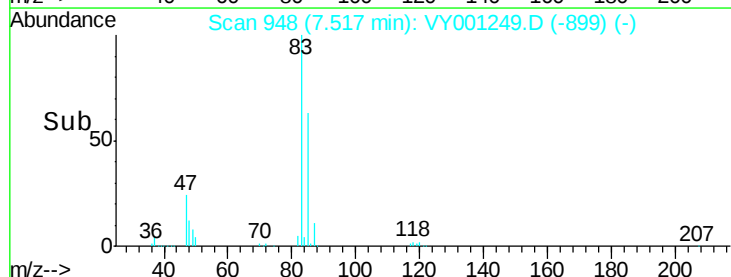
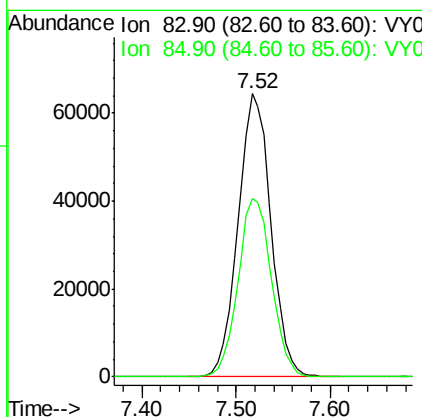
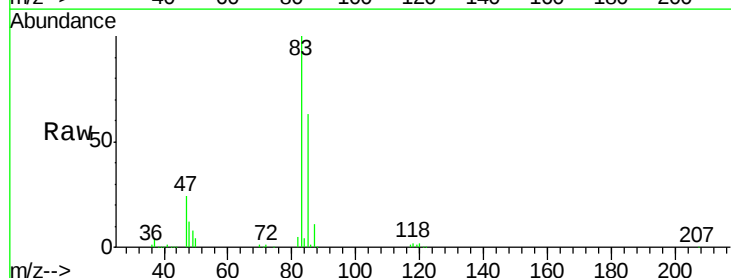
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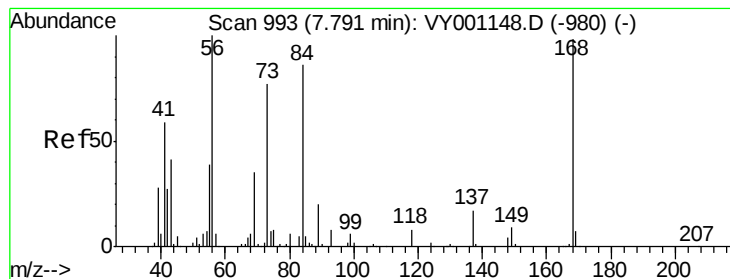
MMDadoda
1/16/2020 9:36:54 AM



#30
Chloroform
Concen: 58.212 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





#31

Cyclohexane

Concen: 51.068 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

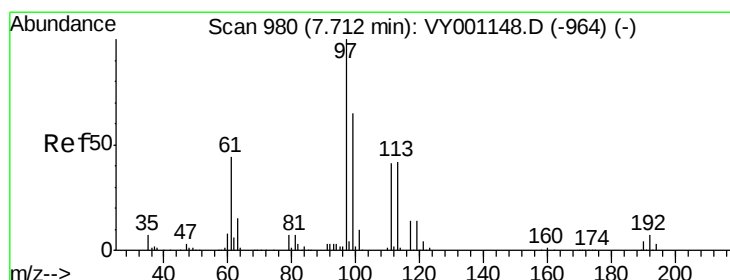
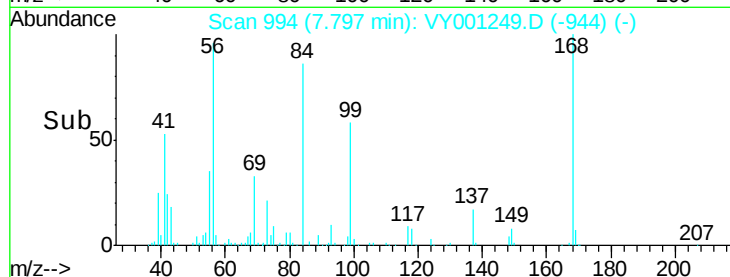
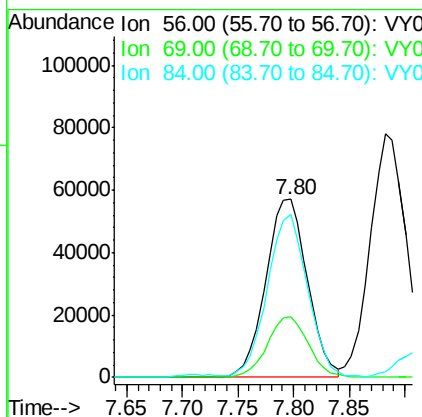
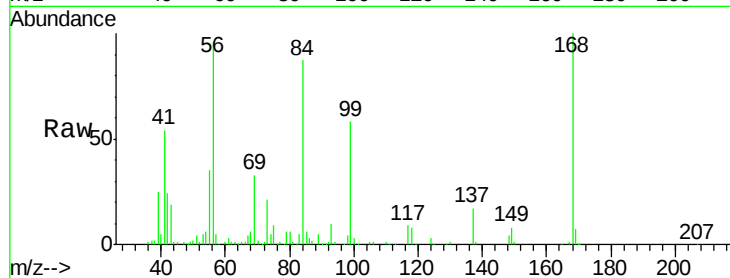
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	56	Resp:	148514
Ion Ratio	Lower	Upper	
56	100		
69	34.0	27.8	41.8
84	90.0	68.9	103.3

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#32

1,1,1-Trichloroethane

Concen: 55.262 ug/l

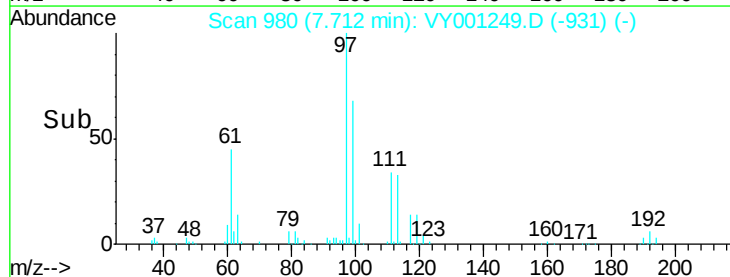
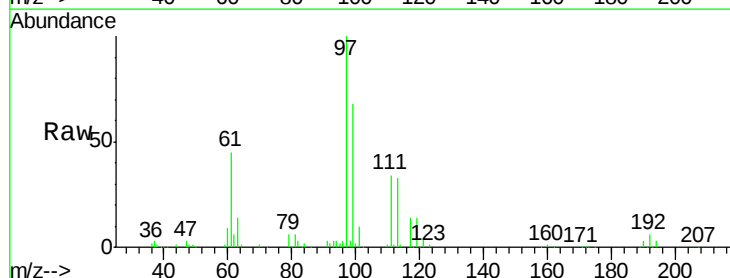
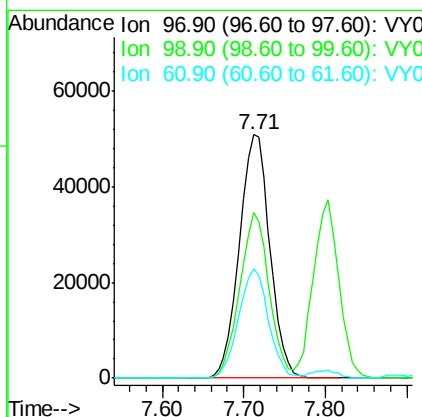
RT: 7.71 min Scan# 980

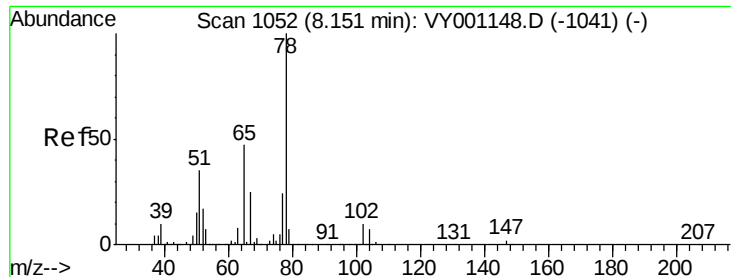
Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	97	Resp:	131961
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.3	76.9
61	44.2	34.6	52.0





#33

1,2-Dichloroethane-d4

Concen: 55.841 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 65 Resp: 83966

Ion Ratio Lower Upper

65 100

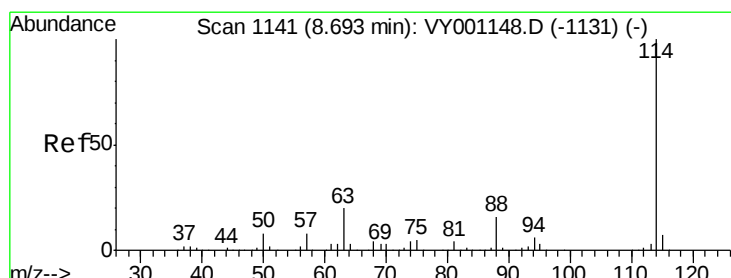
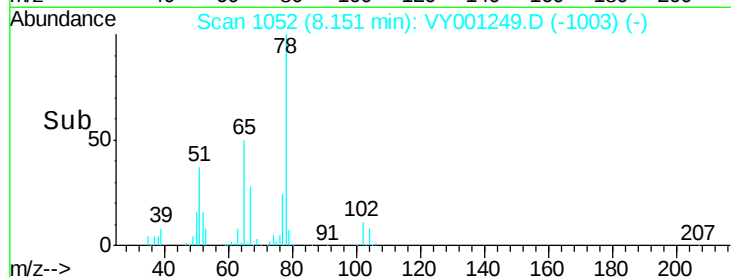
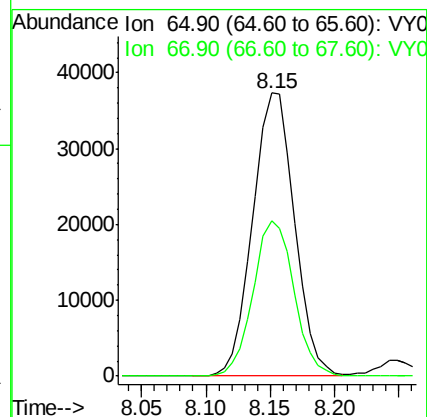
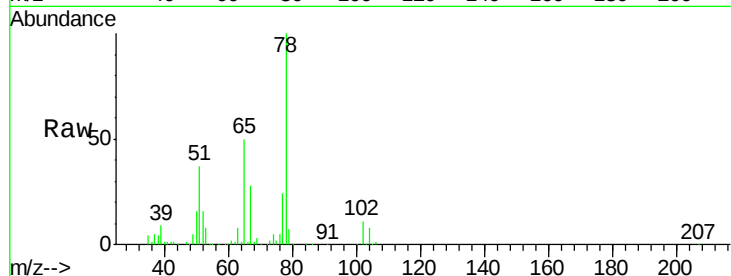
67 53.7 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

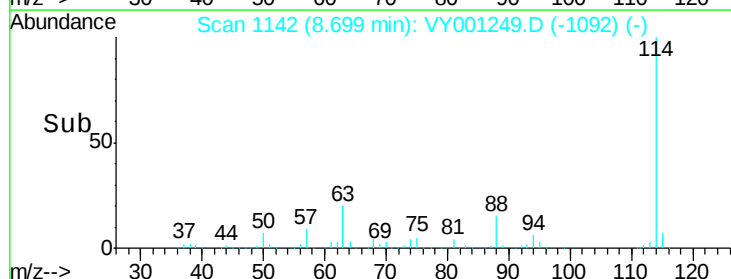
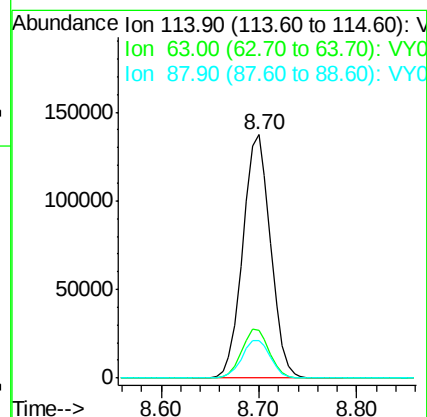
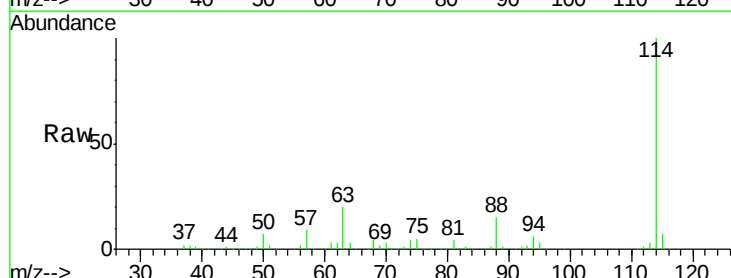
Tgt Ion: 114 Resp: 269830

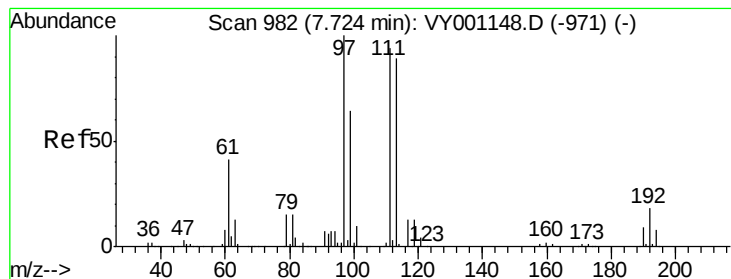
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.401 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

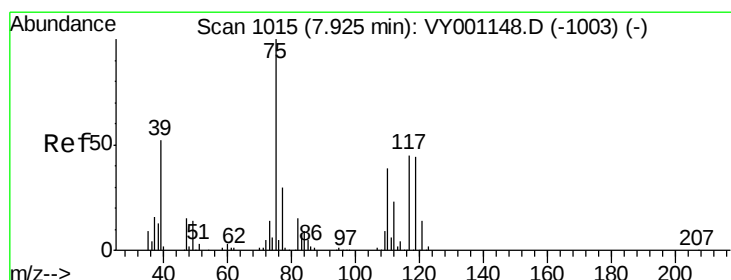
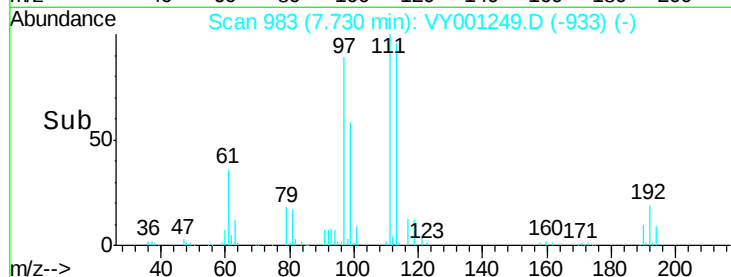
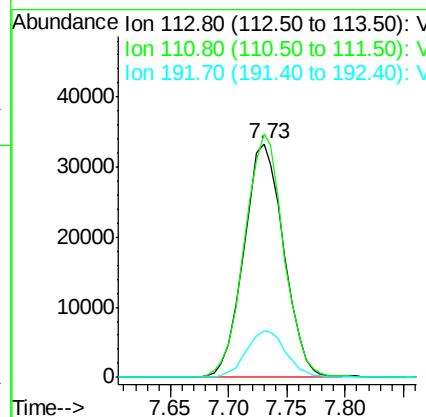
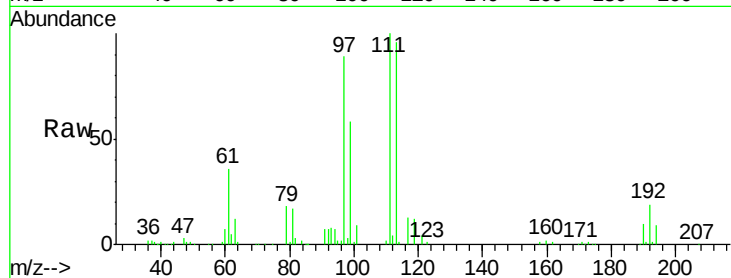
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	113	Resp:	79626
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.9	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 49.595 ug/l

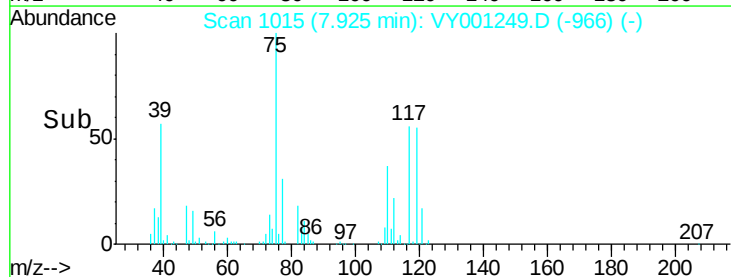
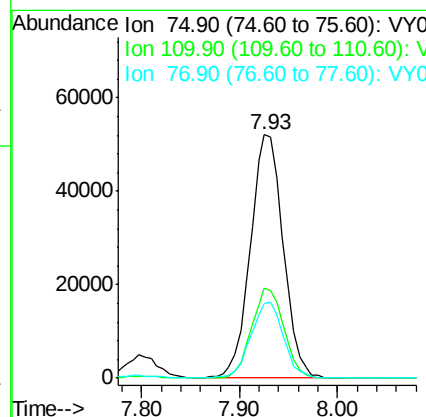
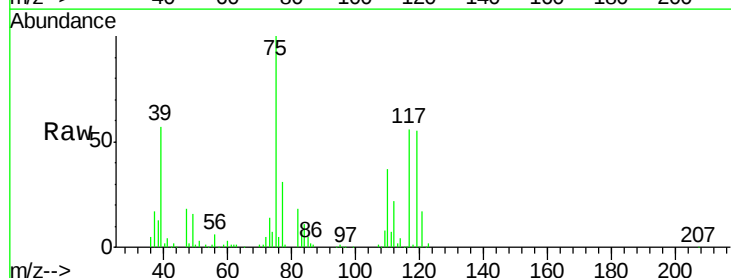
RT: 7.93 min Scan# 1015

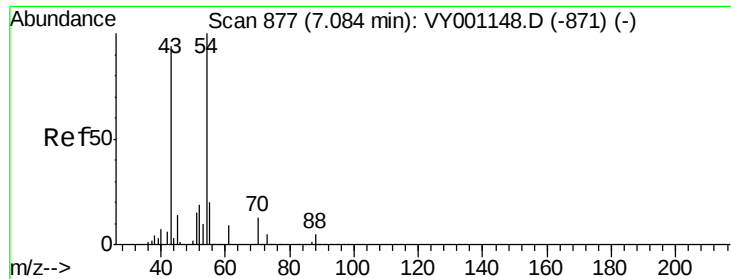
Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	75	Resp:	121970
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.8
77	30.8	25.1	37.7





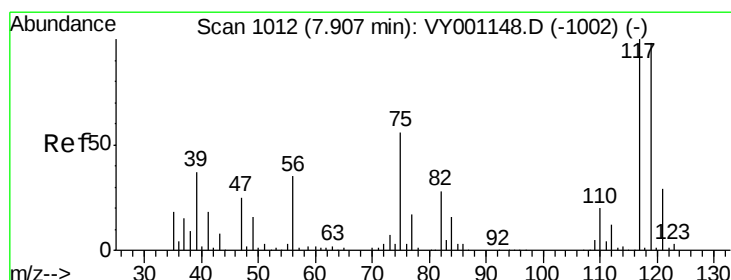
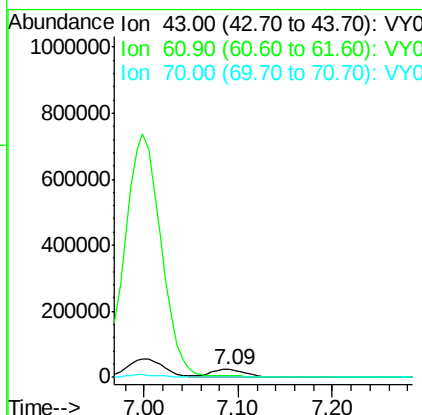
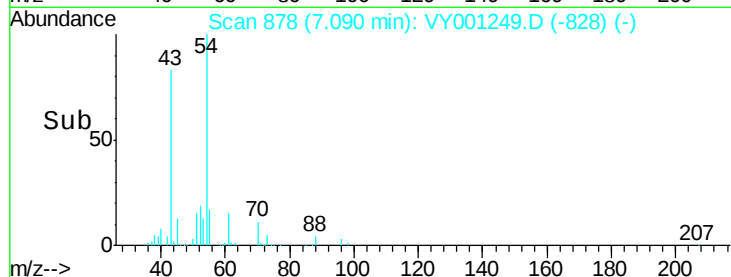
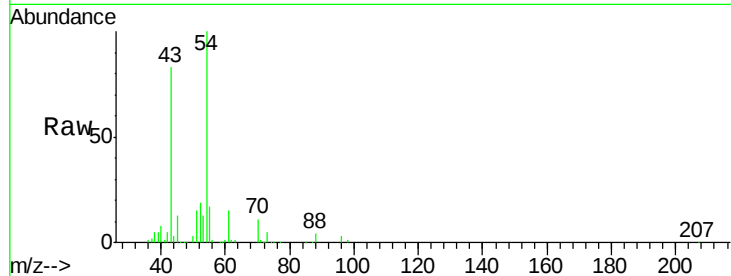
#37
Ethyl Acetate
Concen: 45.454 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	11.1	9.7	14.5

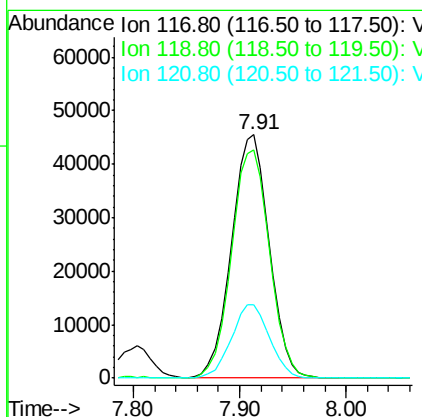
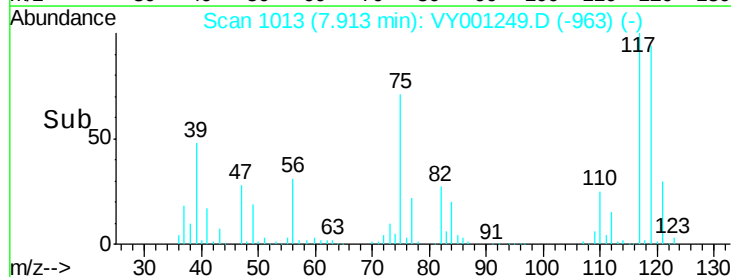
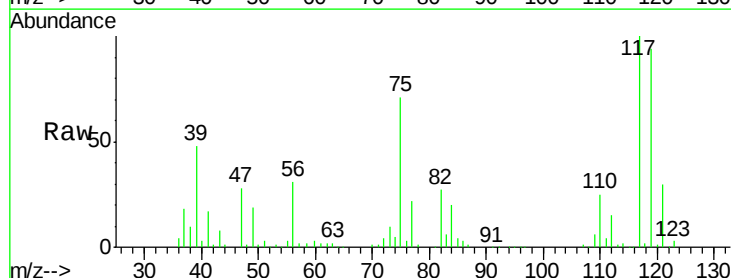
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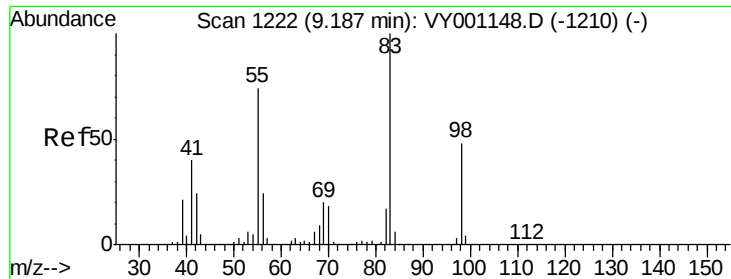
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#38
Carbon Tetrachloride
Concen: 50.114 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.3	117.5
121	29.9	23.5	35.3





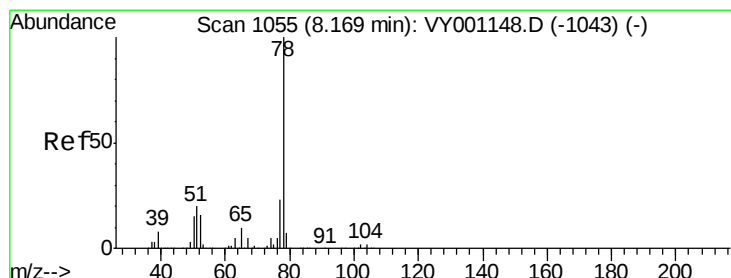
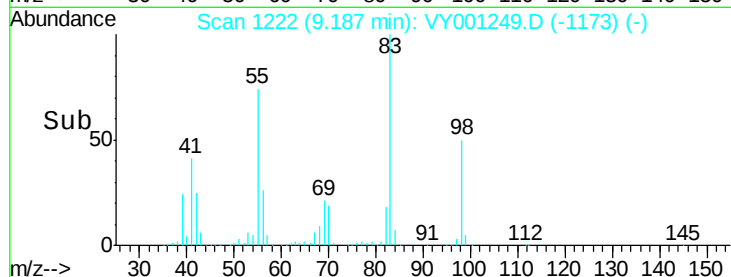
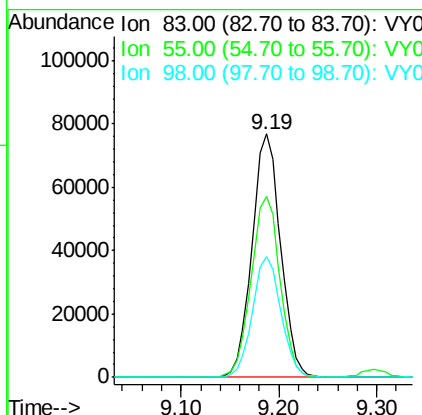
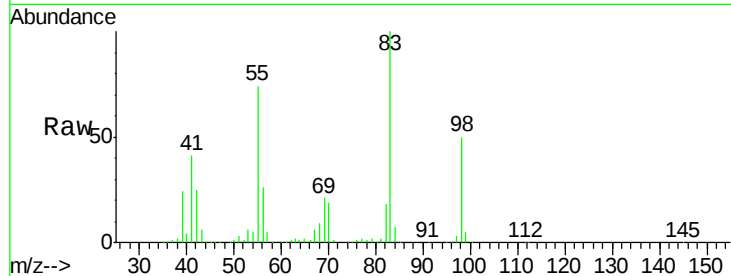
#39
Methvlcvclohexane
Concen: 46.835 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156155		
55	74.3		58.9	88.3
98	49.5		38.4	57.6

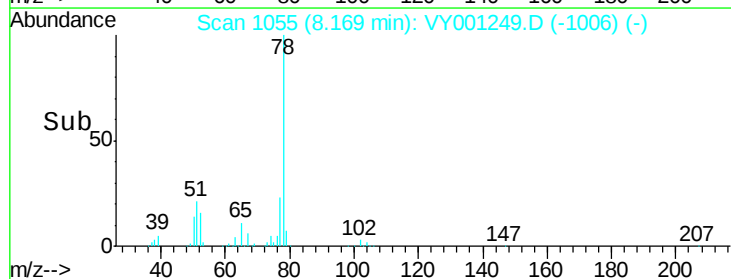
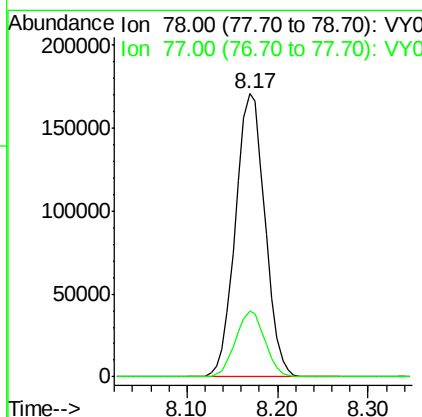
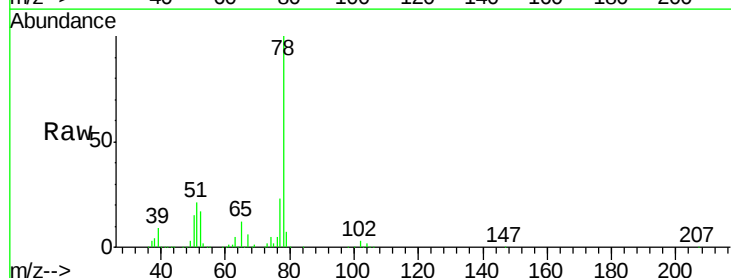
Manual Integrations
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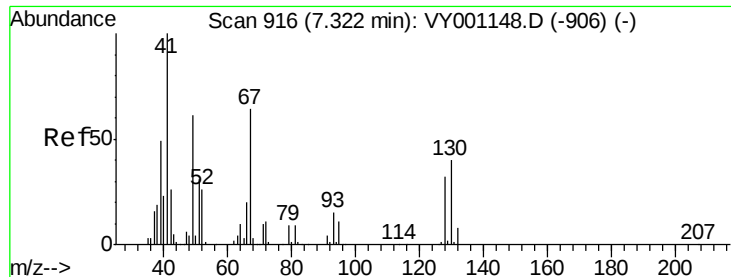
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#40
Benzene
Concen: 53.621 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	384947		
77	23.1		18.8	28.2





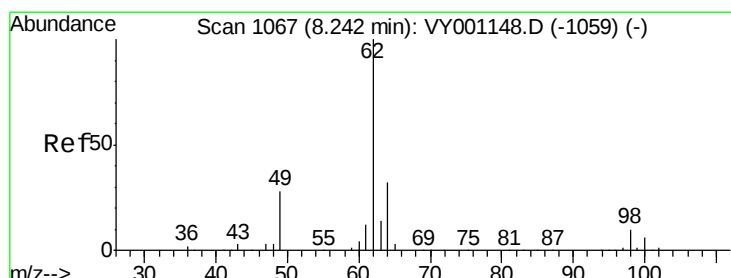
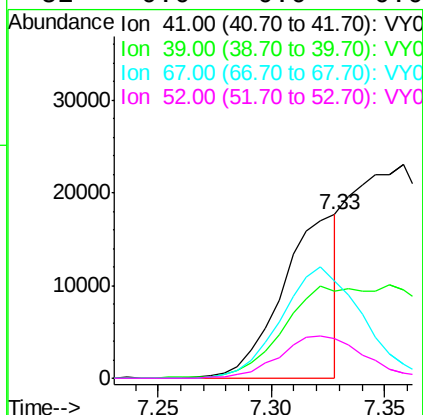
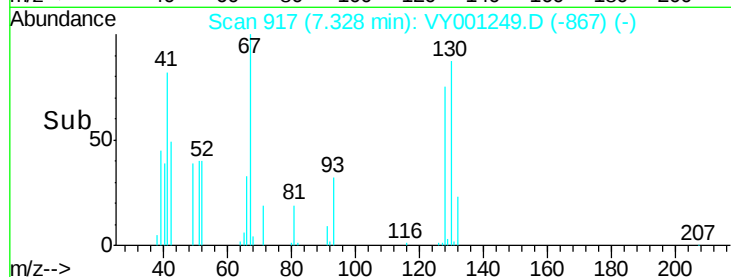
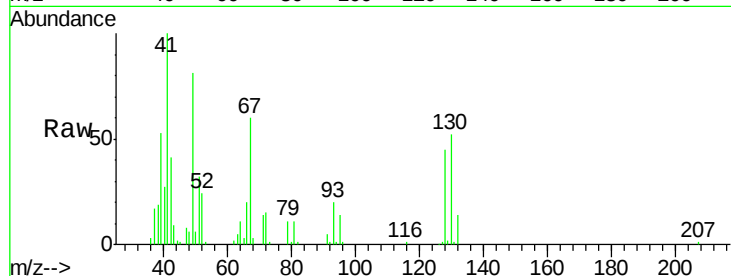
#41
Methacrylonitrile
Concen: 44.861 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

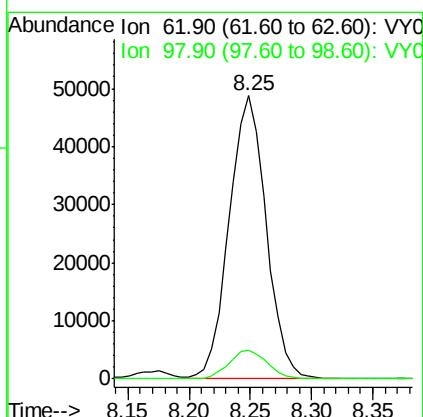
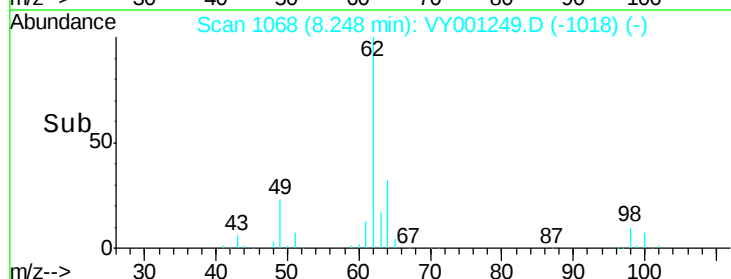
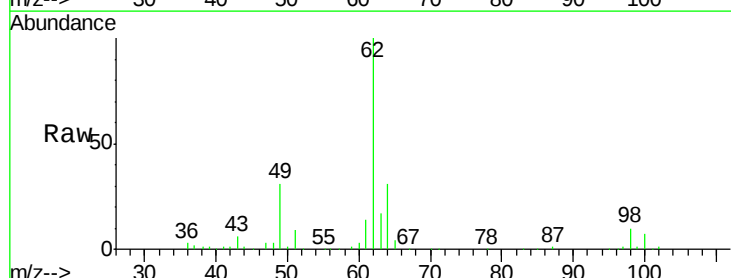
Manual Integrations
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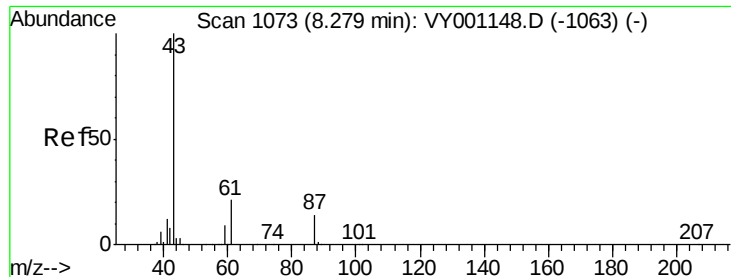
MMDadoda
1/16/2020 9:36:54 AM



#42
1,2-Dichloroethane
Concen: 50.923 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4





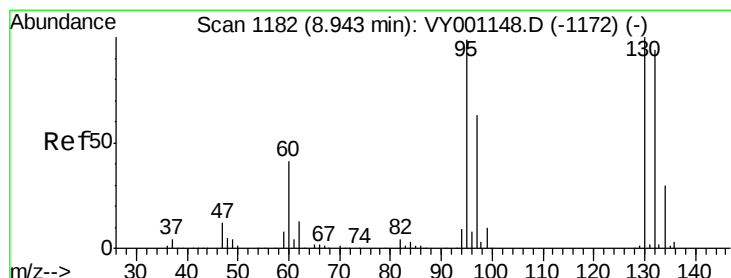
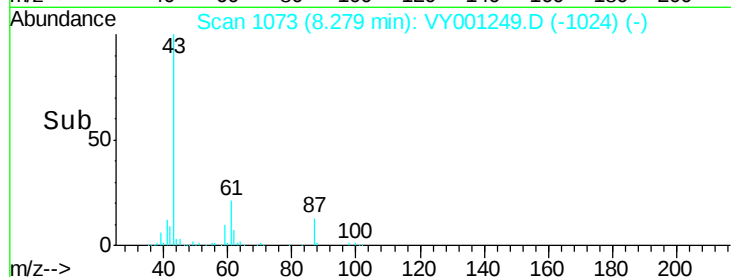
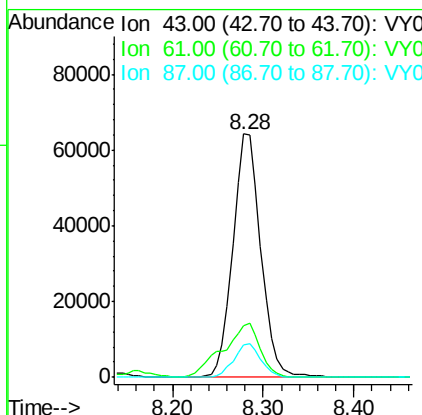
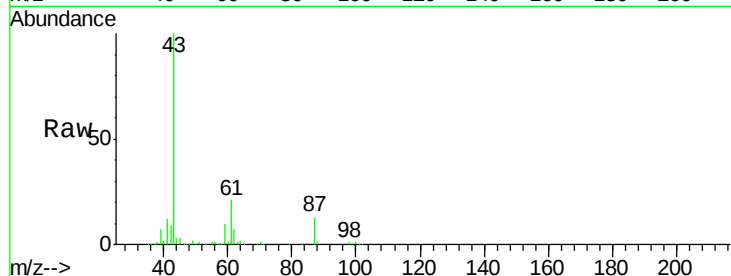
#43
Isopropyl Acetate
Concen: 49.516 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.9	35.9
87	13.2	11.4	17.2

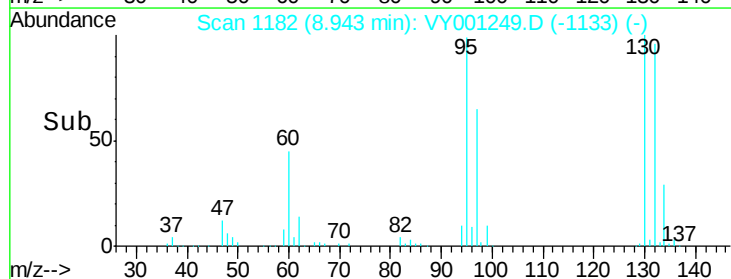
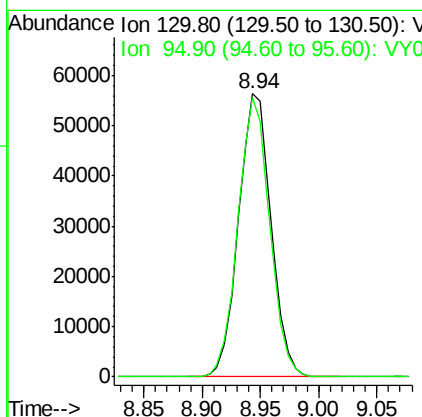
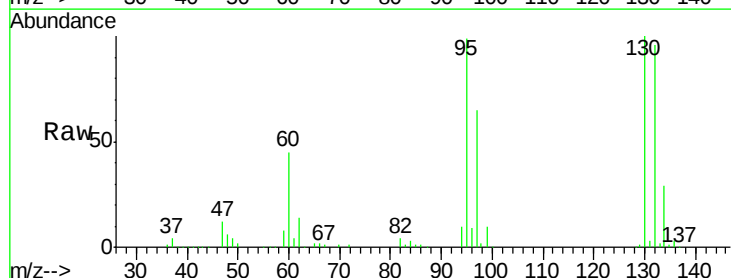
Manual Integrations
APPROVED

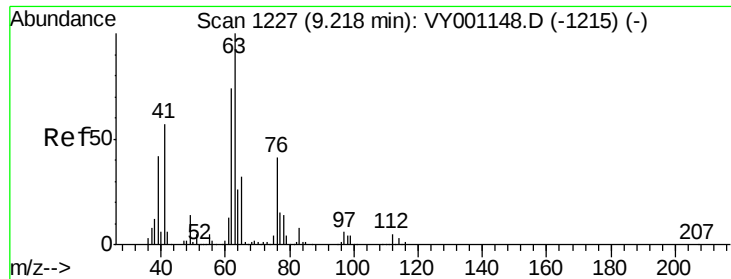
MMDadoda
1/16/2020 9:36:54 AM



#44
Trichloroethene
Concen: 58.496 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.6





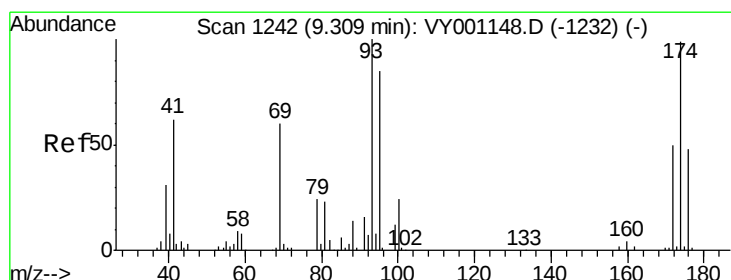
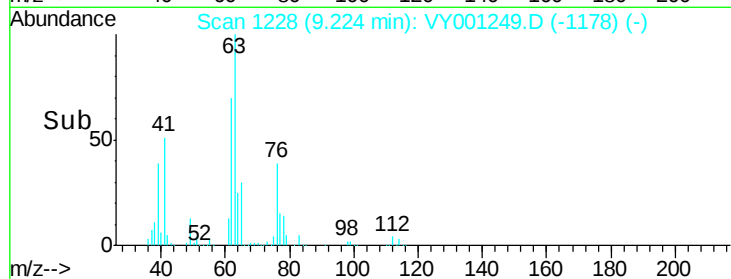
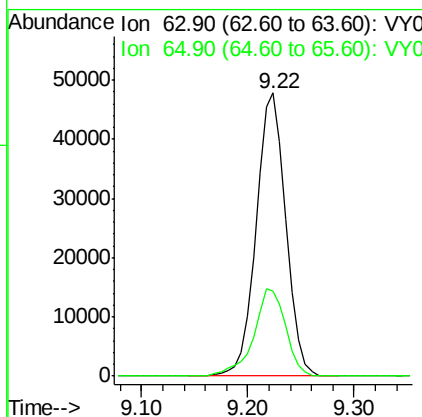
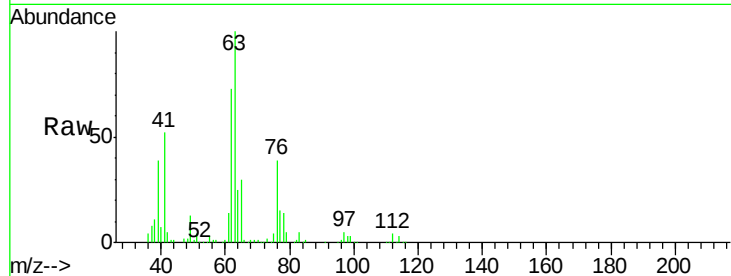
#45
 1,2-Dichloropropane
 Concen: 52.550 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion: 63 Resp: 93265
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.8 38.8

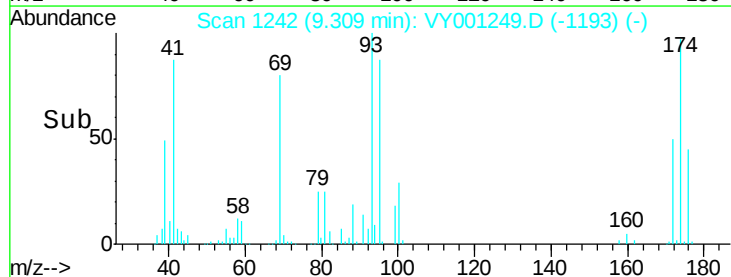
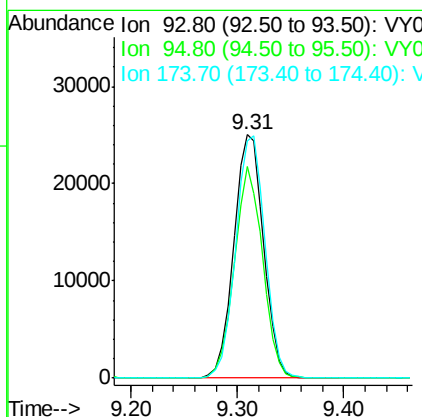
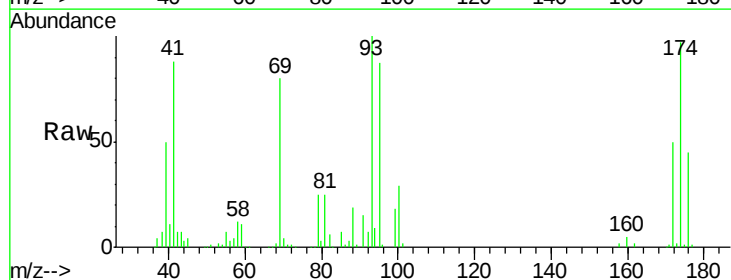
Manual Integrations
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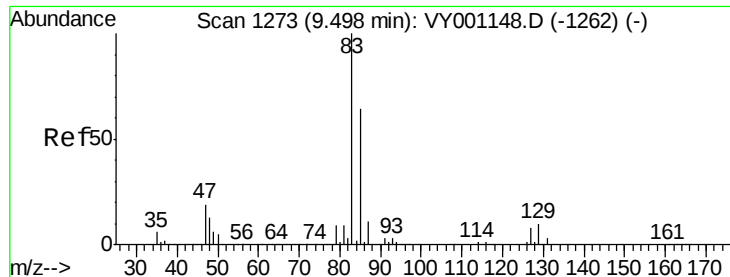
MMDadoda
 1/16/2020 9:36:54 AM



#46
 Dibromomethane
 Concen: 50.705 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion: 93 Resp: 49100
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.8 100.2
 174 98.3 78.4 117.6





#47

Bromodichloromethane

Concen: 51.135 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 83 Resp: 120677

Ion Ratio Lower Upper

83 100

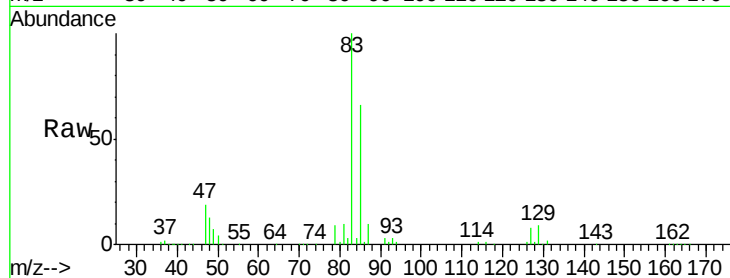
85 65.8 51.5 77.3

127 7.9 6.3 9.5

Manual Integrations
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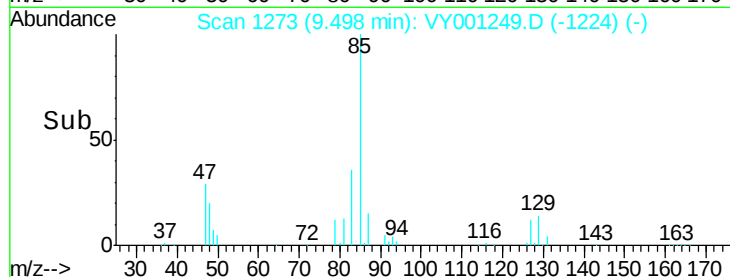


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

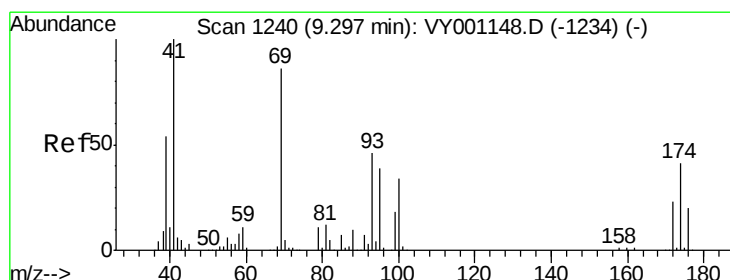
Ion 126.80 (126.50 to 127.50): VY0

Time-->



Abundance

Time-->



#48

Methyl methacrylate

Concen: 51.241 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

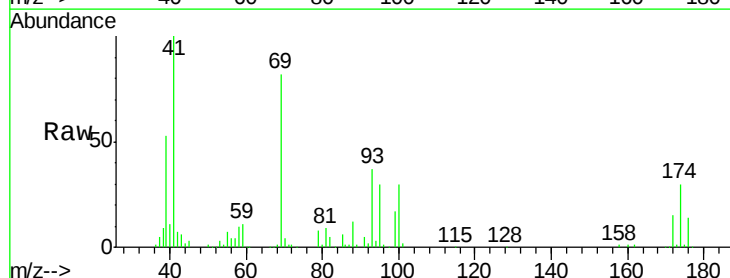
Tgt Ion: 41 Resp: 65443

Ion Ratio Lower Upper

41 100

69 87.3 69.8 104.8

39 57.1 45.2 67.8

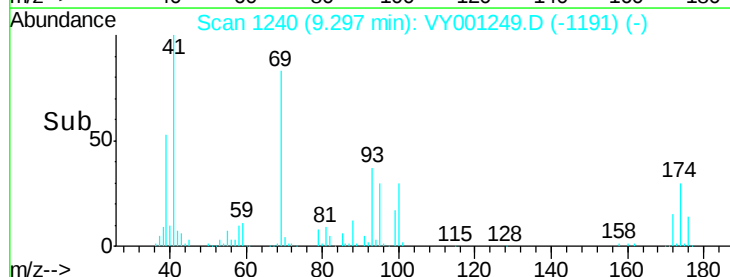


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

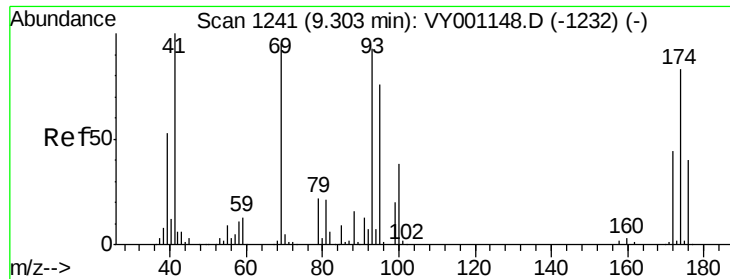
Ion 39.00 (38.70 to 39.70): VY0

Time-->



Abundance

Time-->



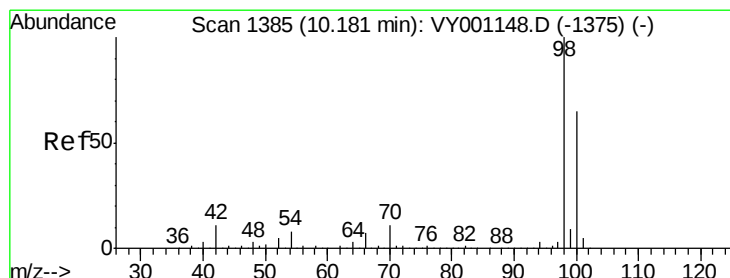
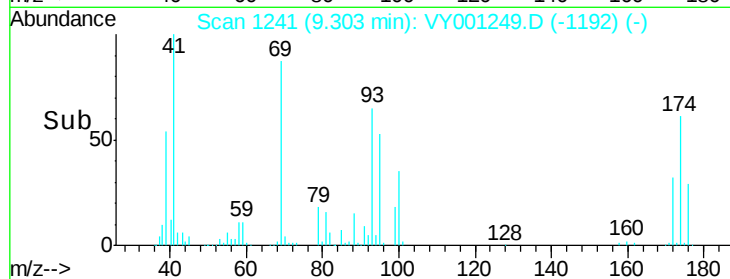
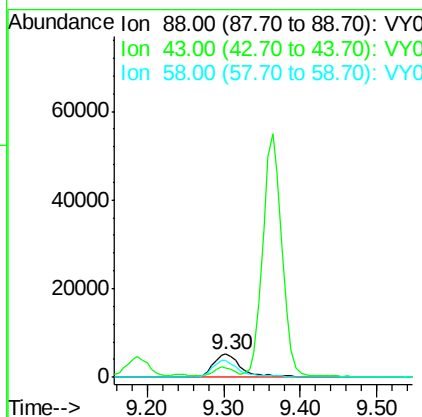
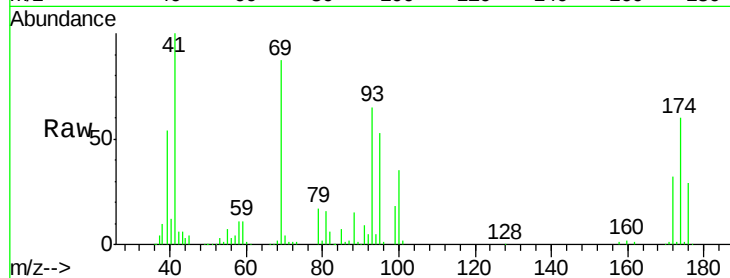
#49
1,4-Dioxane
Concen: 1143.664 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	88	Resp	13487
Ion	Ratio	Lower	Upper
88	100		
43	25.3	22.4	33.6
58	73.1	58.0	87.0

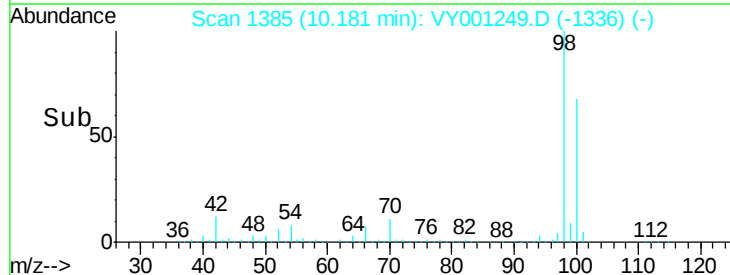
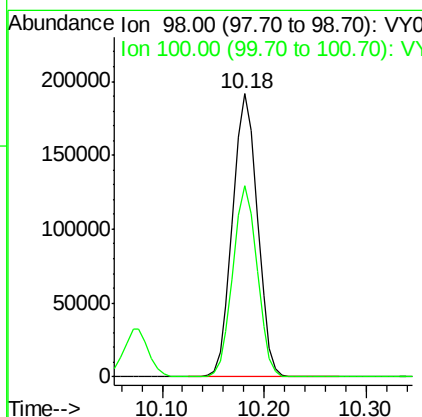
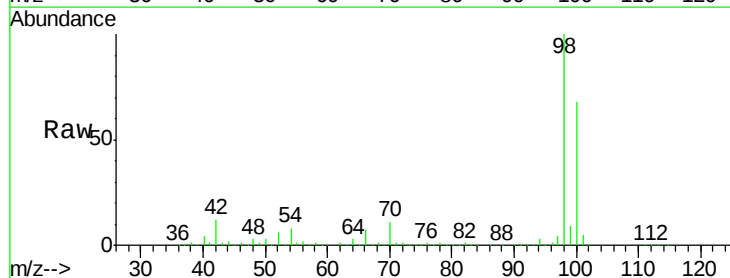
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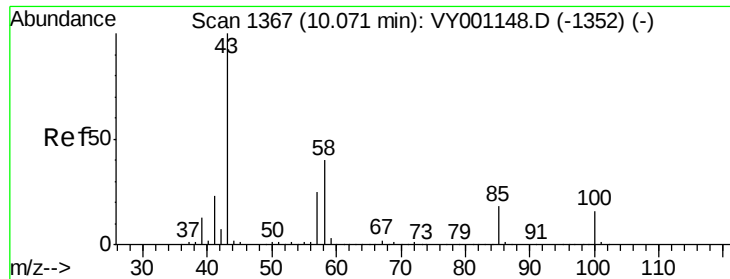
MMDadoda
1/16/2020 9:36:54 AM



#50
Toluene-d8
Concen: 53.084 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	98	Resp	323141
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 253.891 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 43 Resp: 35553

Ion Ratio Lower Upper

43 100

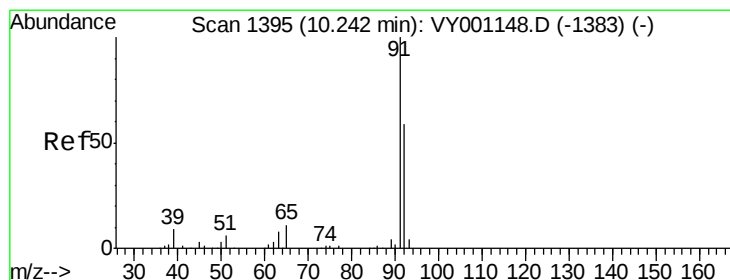
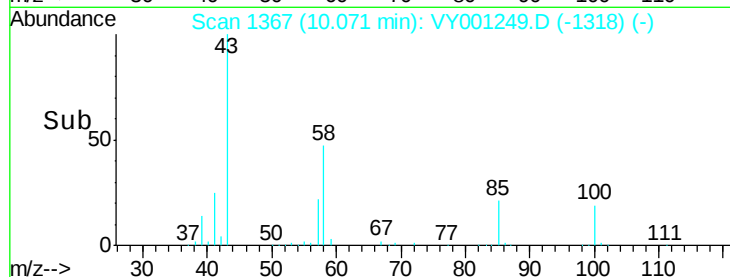
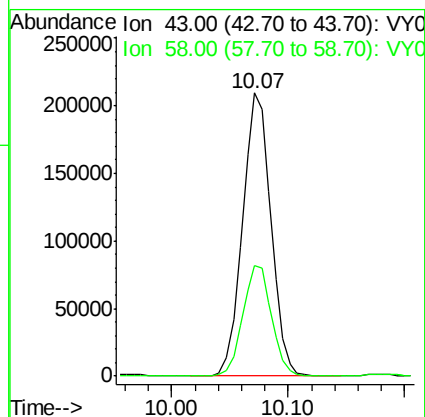
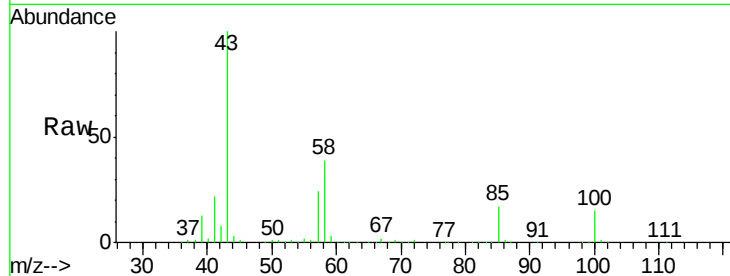
58 39.6 32.3 48.5

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#52

Toluene

Concen: 52.247 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001249.D

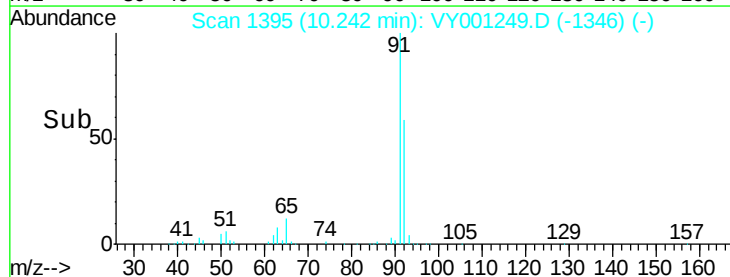
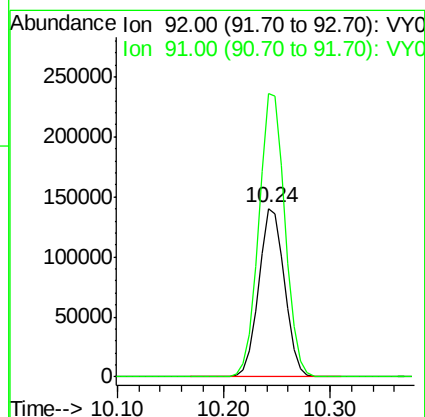
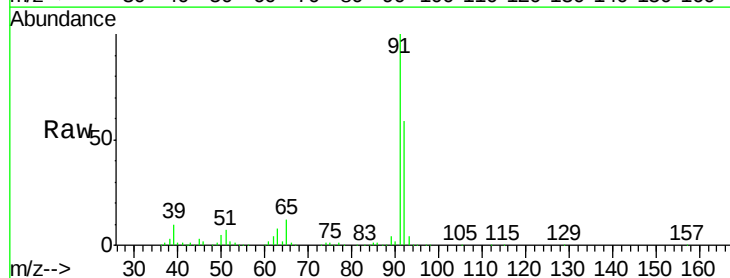
Acq: 16 Jan 2020 03:46

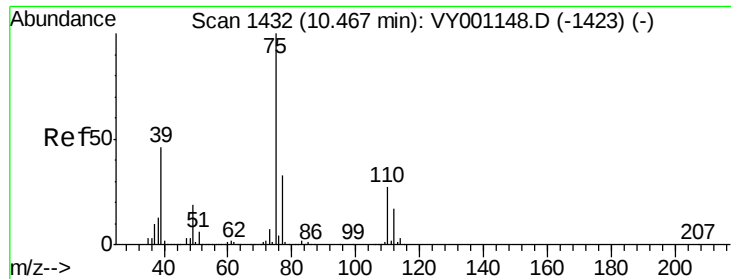
Tgt Ion: 92 Resp: 239228

Ion Ratio Lower Upper

92 100

91 170.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 47.847 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 75 Resp: 126354

Ion Ratio Lower Upper

75 100

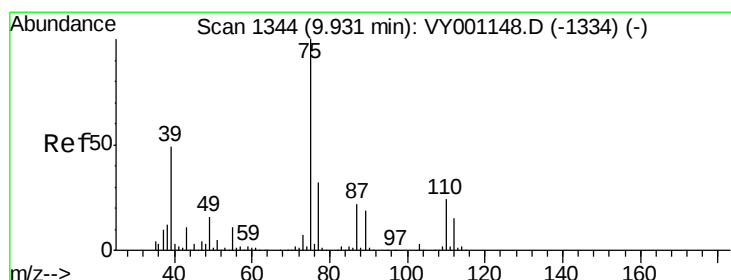
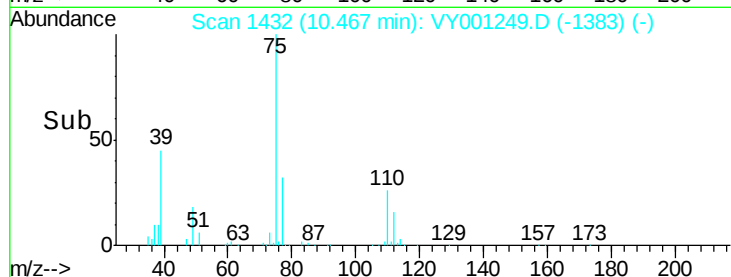
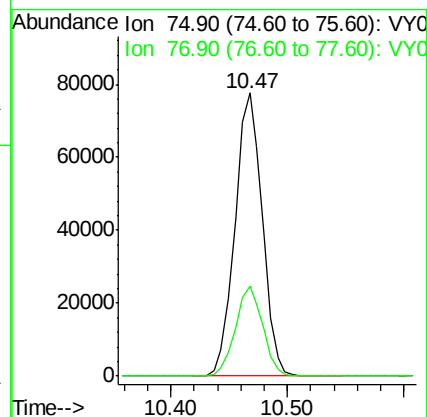
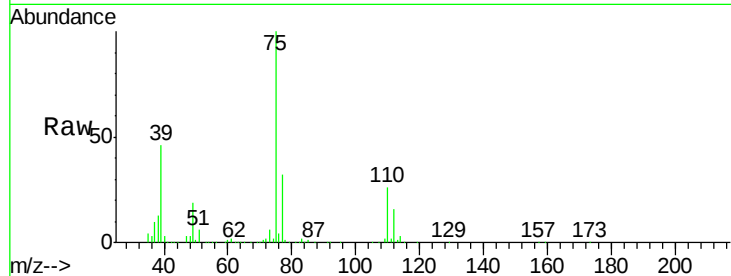
77 31.9 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 48.590 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

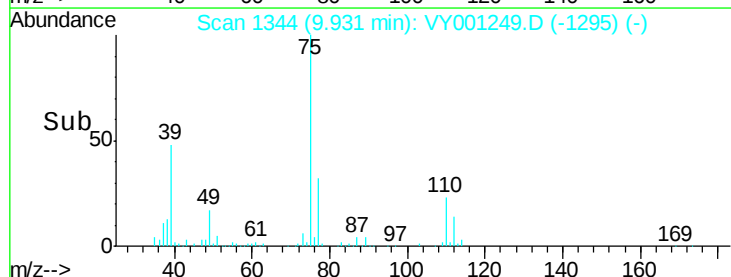
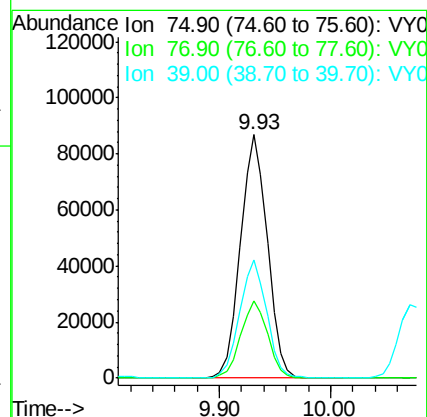
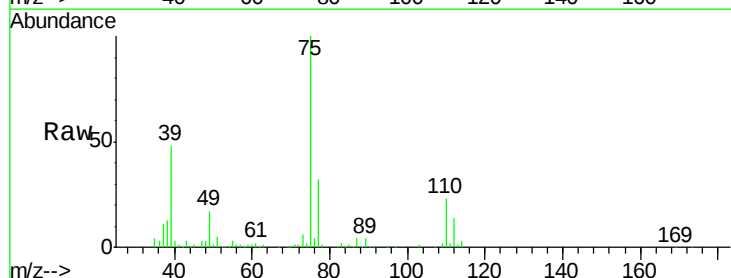
Tgt Ion: 75 Resp: 144671

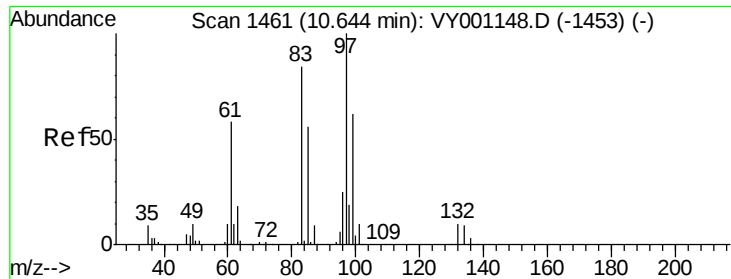
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 48.4 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 51.695 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 97 Resp: 74212

Ion Ratio Lower Upper

97 100

83 85.1 67.2 100.8

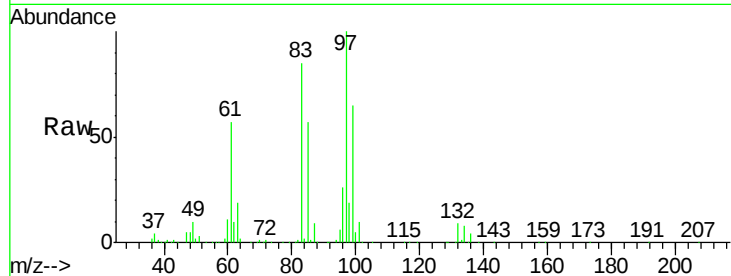
85 57.1 44.9 67.3

99 65.3 49.9 74.9

Manual Integrations
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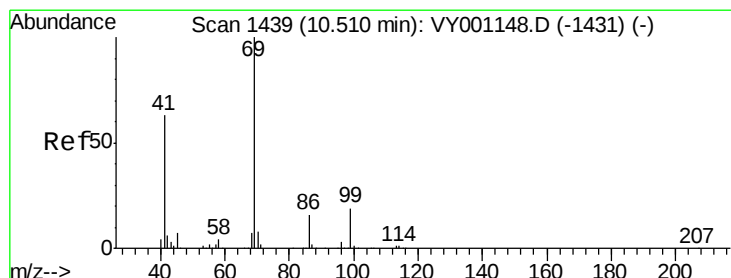
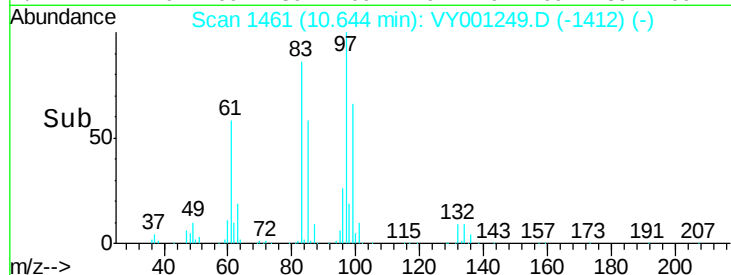
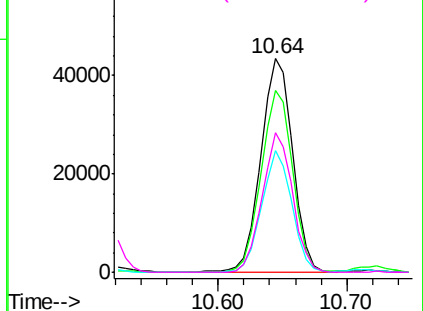


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 47.184 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

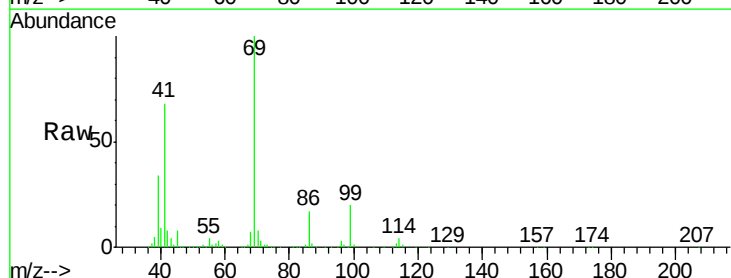
Tgt Ion: 69 Resp: 103615

Ion Ratio Lower Upper

69 100

41 66.8 51.4 77.2

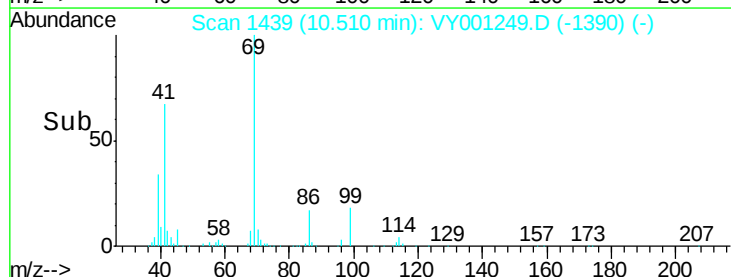
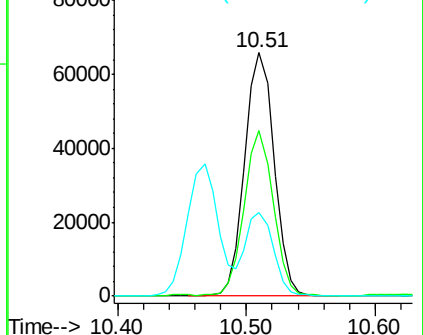
39 32.0 26.3 39.5

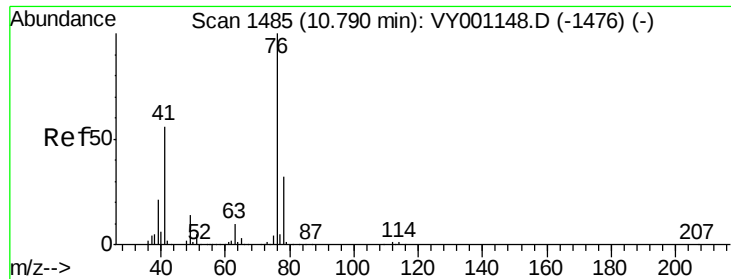


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





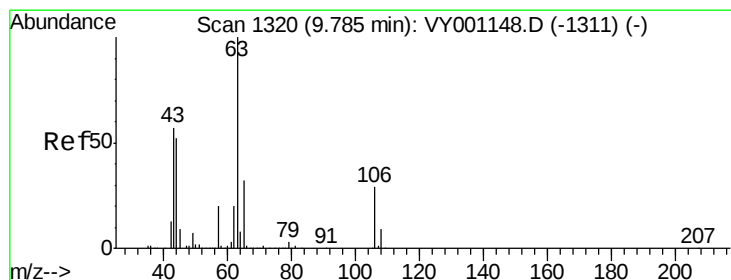
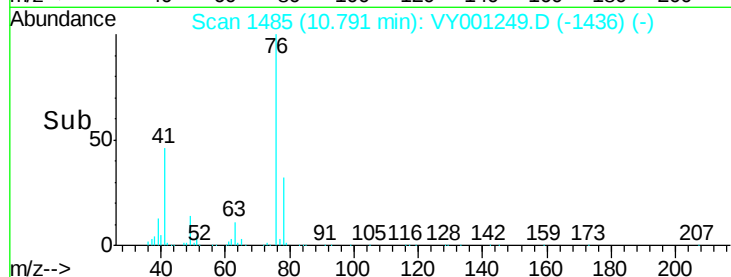
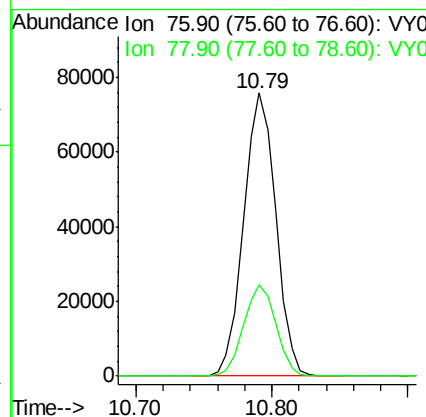
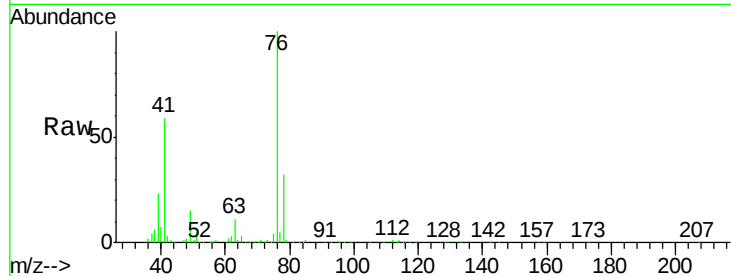
#57
 1,3-Dichloropropane
 Concen: 50.804 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

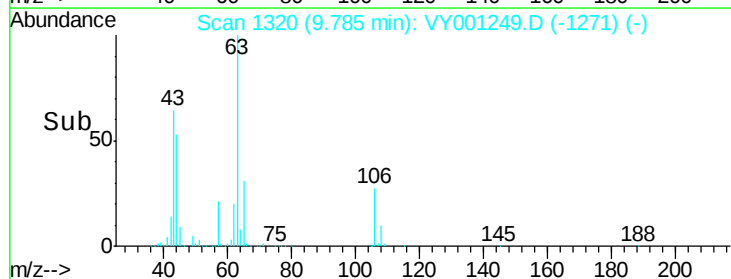
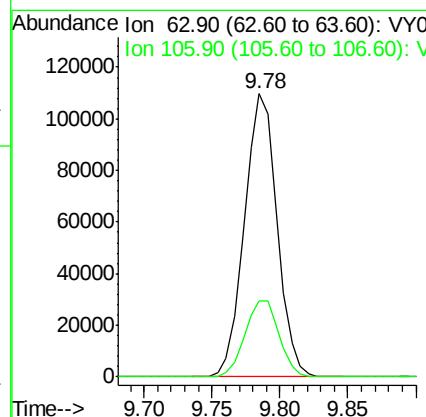
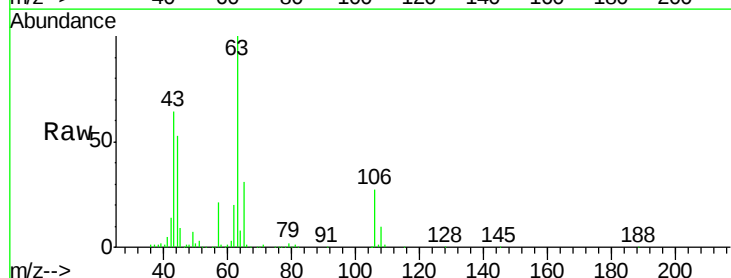
Manual Integrations
 APPROVED

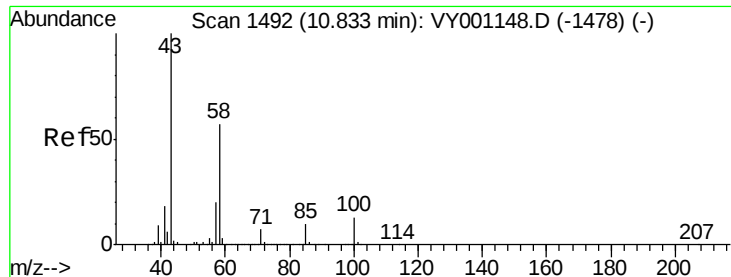
MMDadoda
 1/16/2020 9:36:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.681 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.6





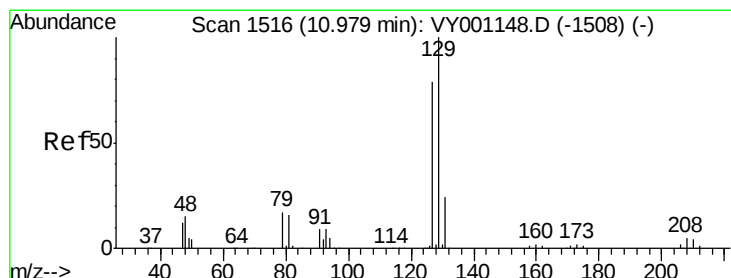
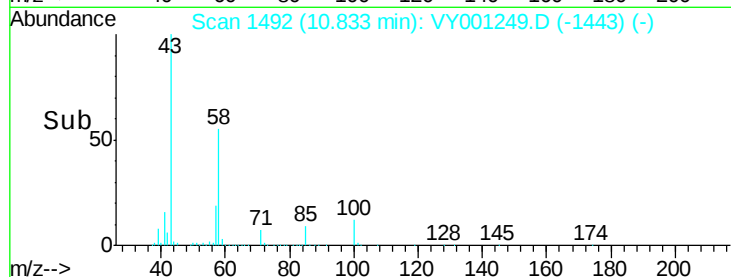
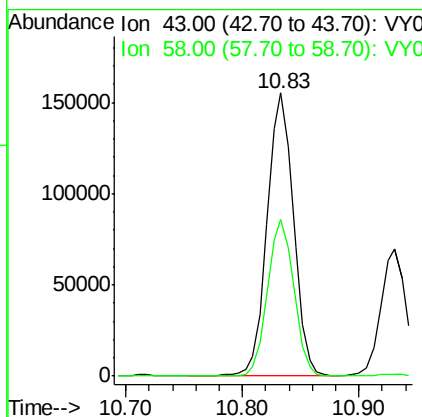
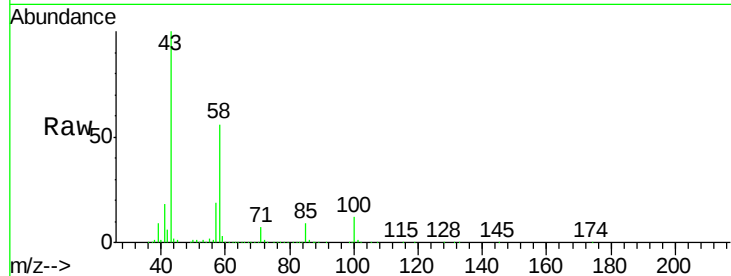
#59
2-Hexanone
Concen: 246.943 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion: 43 Resp: 242363
Ion Ratio Lower Upper
43 100
58 55.1 28.4 85.2

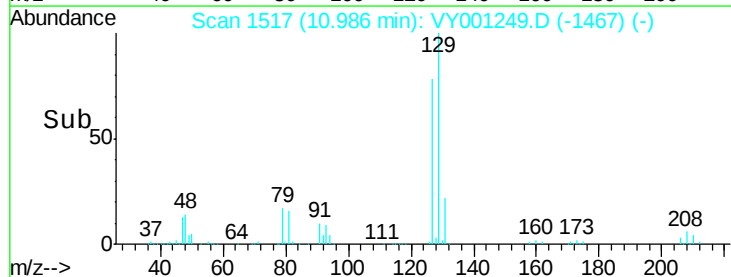
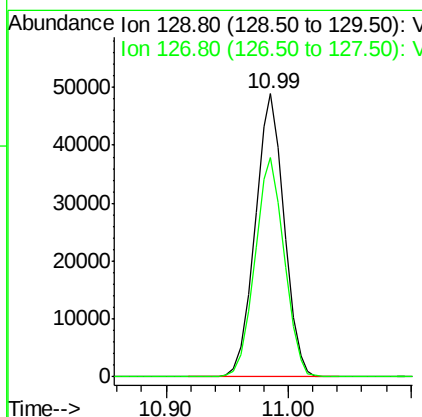
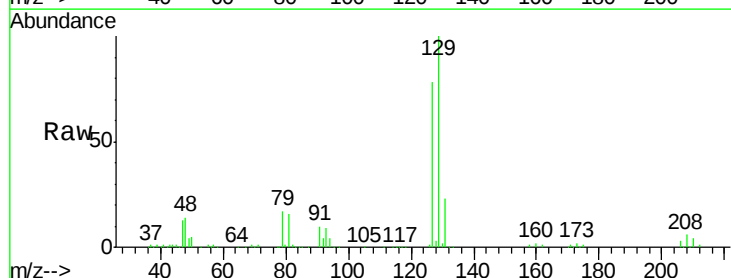
Manual Integrations
APPROVED

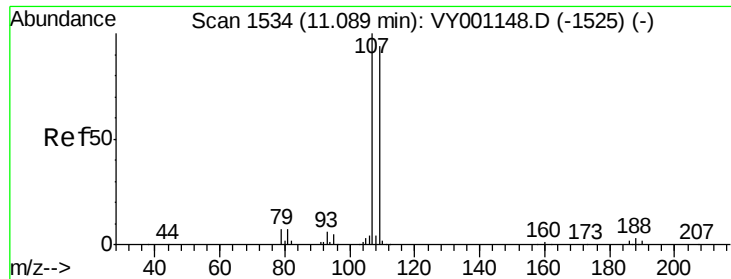
MMDadoda
1/16/2020 9:36:54 AM



#60
Dibromochloromethane
Concen: 48.797 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion: 129 Resp: 80656
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.384 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 107 Resp: 69224

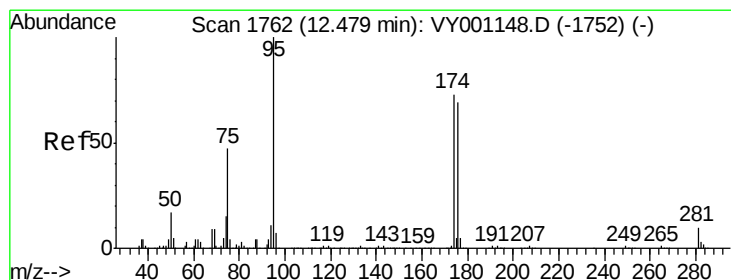
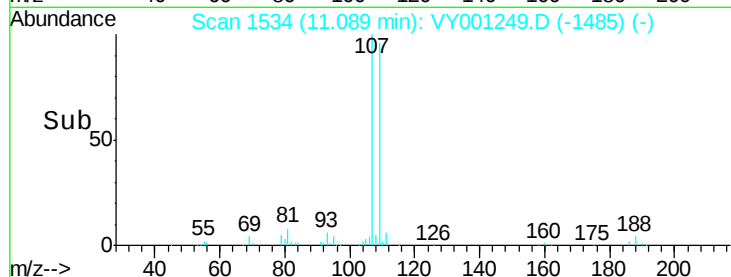
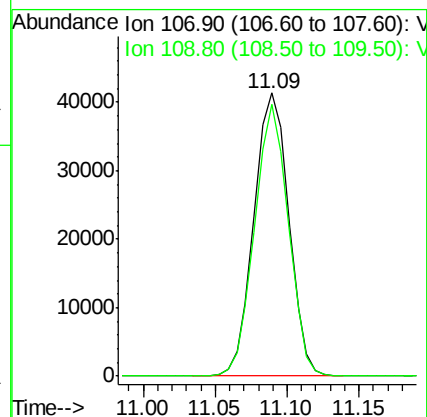
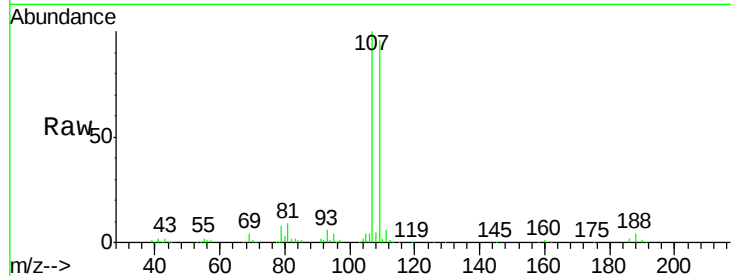
Ion Ratio Lower Upper

107 100

109 93.3 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 44.675 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

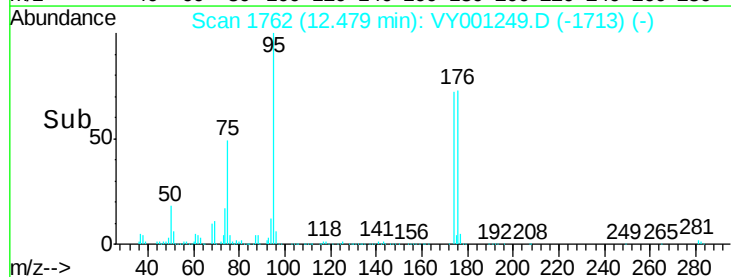
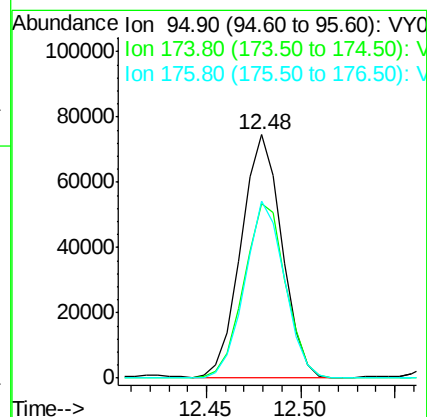
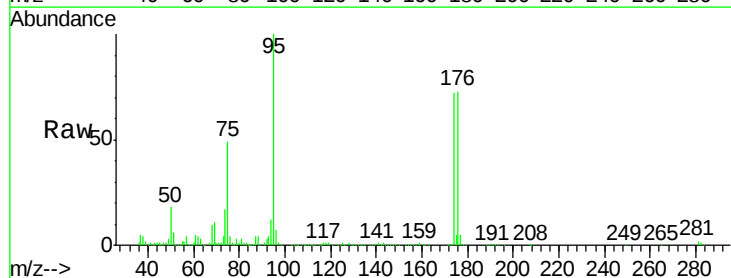
Tgt Ion: 95 Resp: 111184

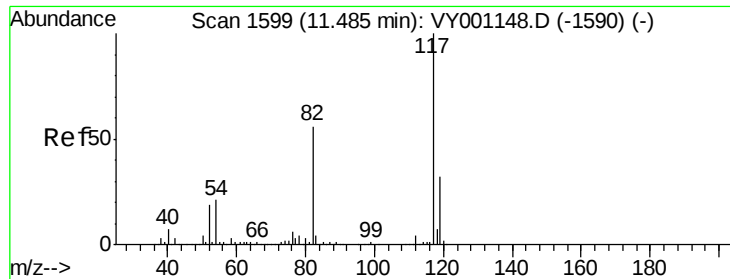
Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.2

176 71.3 0.0 136.0





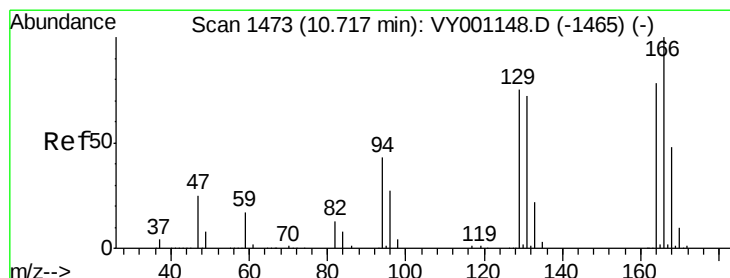
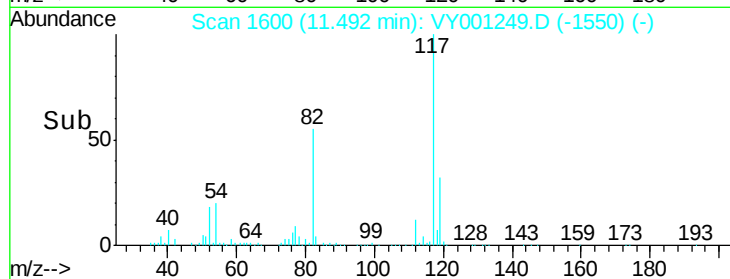
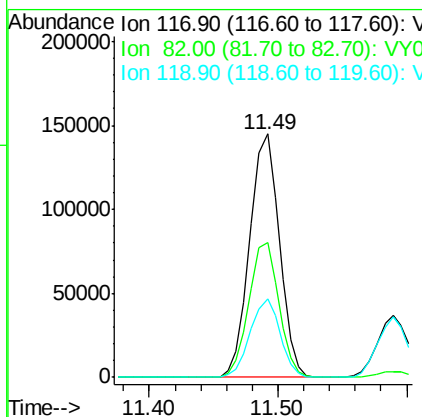
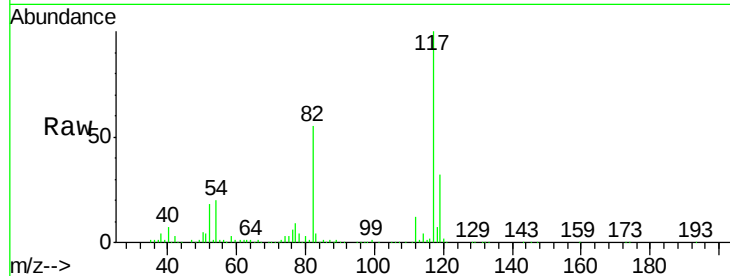
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	230971		
82	55.1		44.9	67.3
119	32.4		25.7	38.5

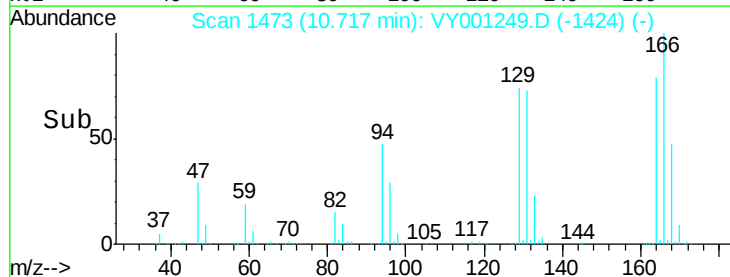
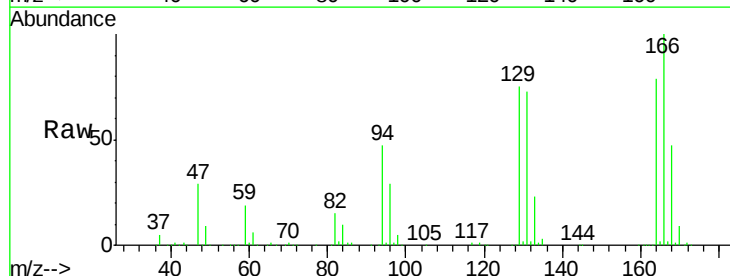
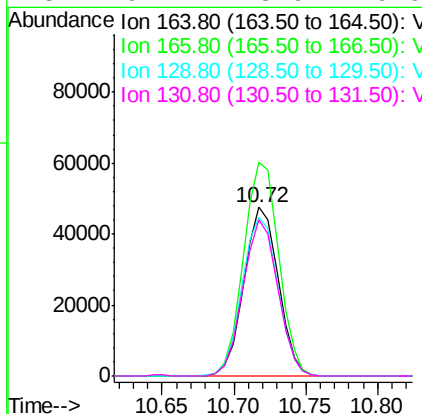
Manual Integrations
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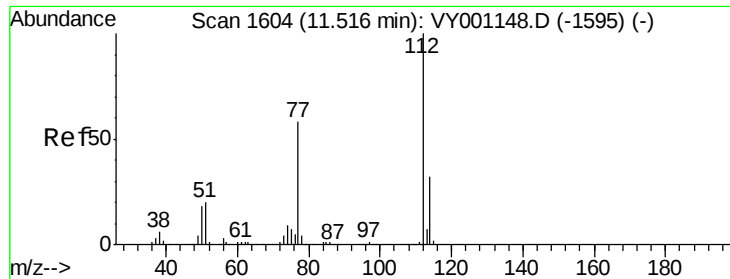
MMDadoda
1/16/2020 9:36:54 AM



#64
Tetrachloroethene
Concen: 52.719 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78493		
166	126.8		102.3	153.5
129	94.4		76.2	114.4
131	92.4		73.9	110.9





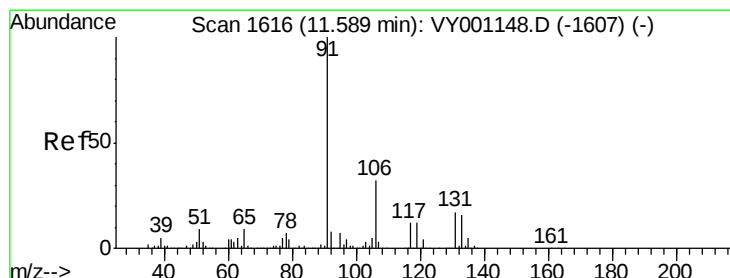
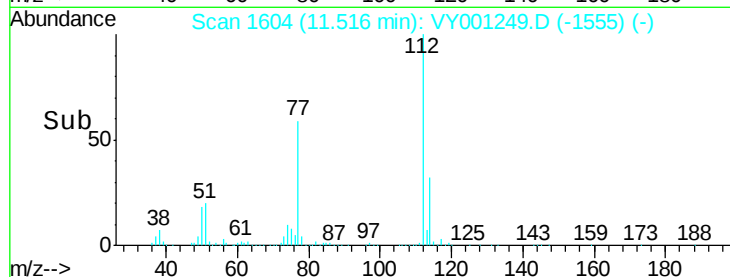
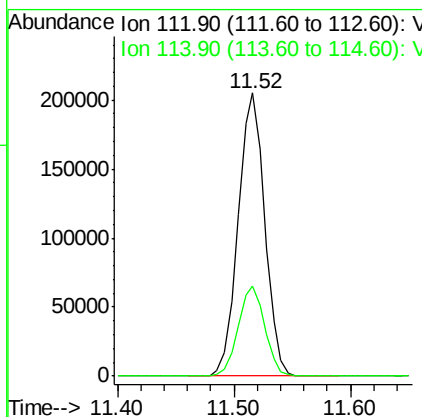
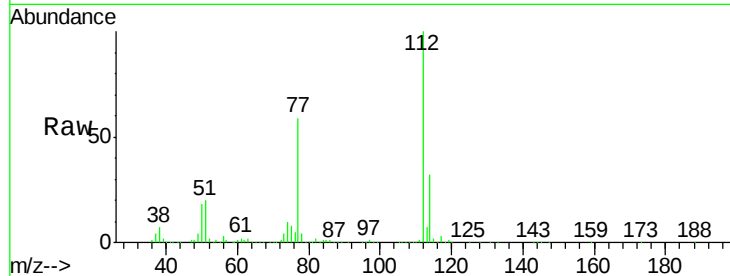
#65
Chlorobenzene
Concen: 70.696 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion:112 Resp: 326275
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

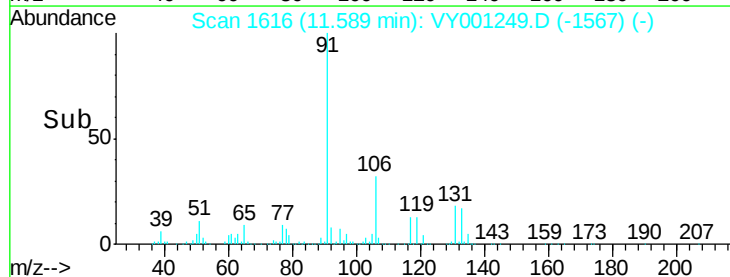
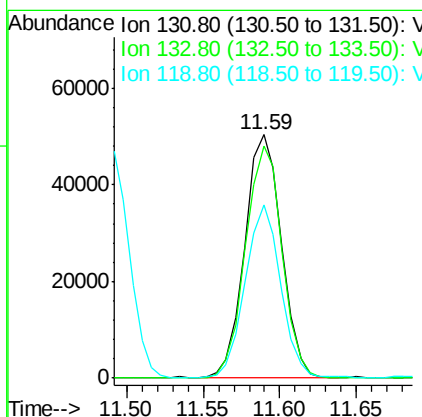
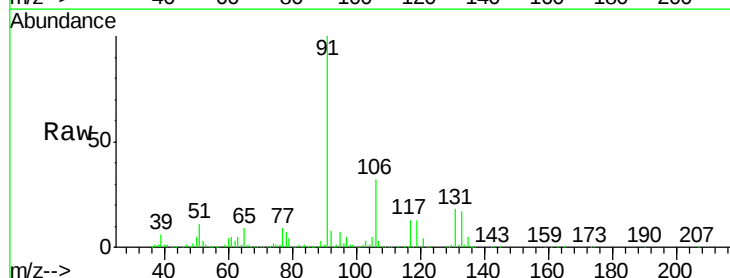
Manual Integrations
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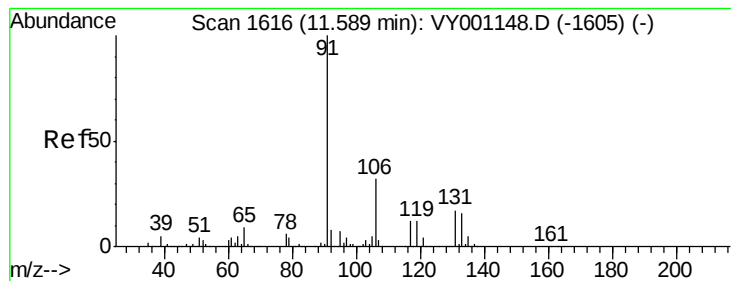
MMDadoda
1/16/2020 9:36:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.463 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion:131 Resp: 83450
Ion Ratio Lower Upper
131 100
133 95.5 47.3 142.0
119 69.0 33.6 100.8





#67

Ethyl Benzene

Concen: 52.042 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 91 Resp: 439371

Ion Ratio Lower Upper

91 100

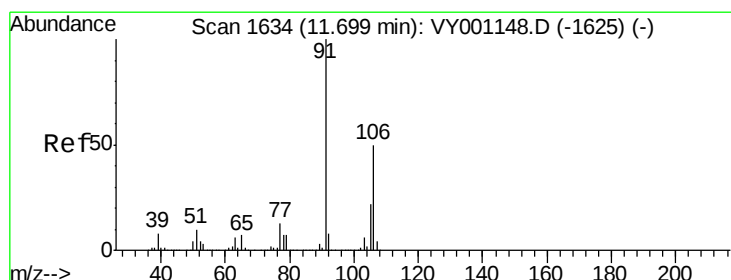
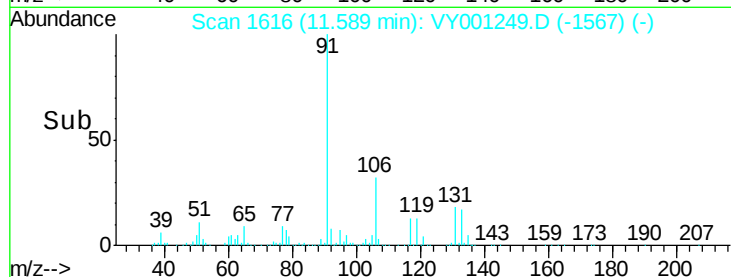
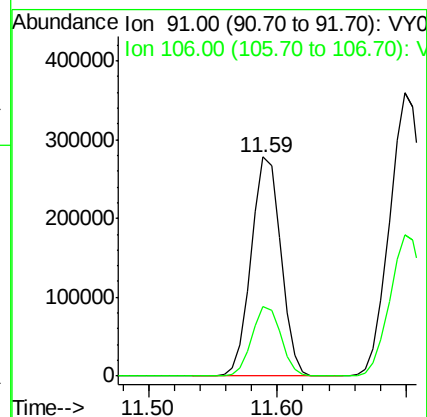
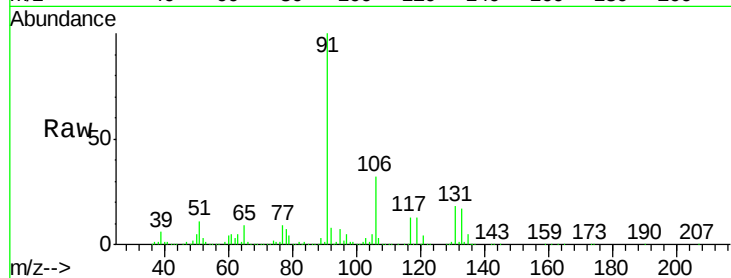
106 31.5 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.624 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001249.D

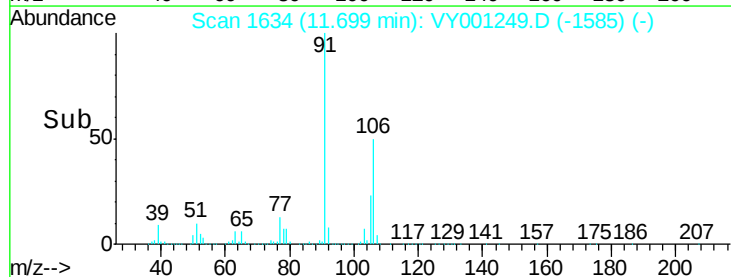
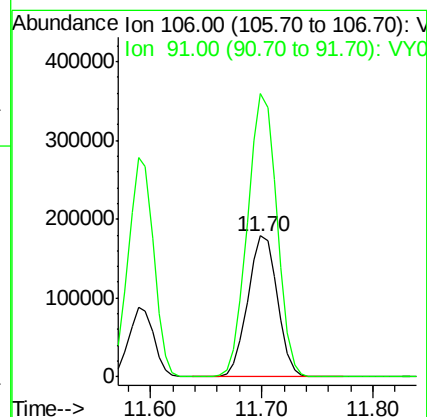
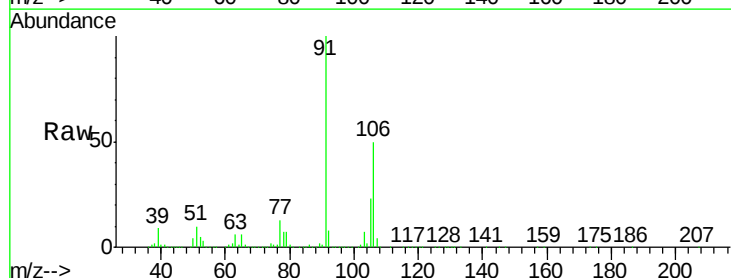
Acq: 16 Jan 2020 03:46

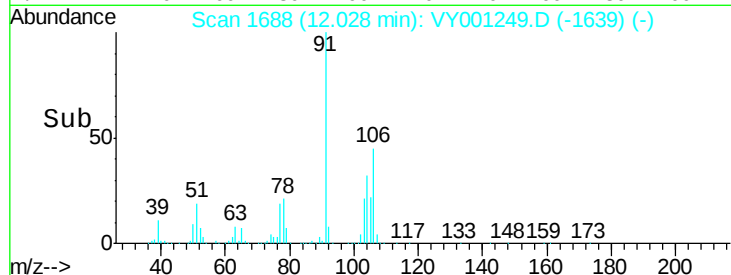
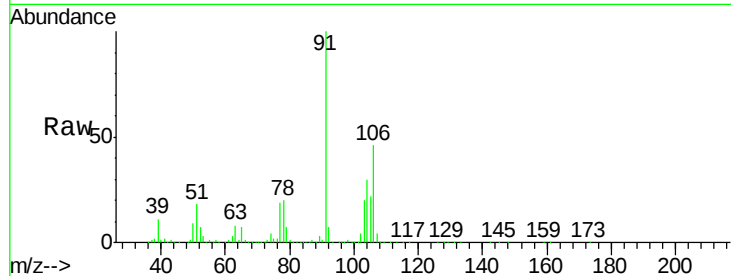
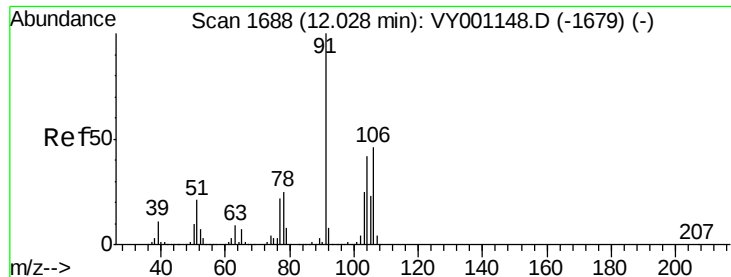
Tgt Ion: 106 Resp: 330023

Ion Ratio Lower Upper

106 100

91 199.9 161.4 242.2





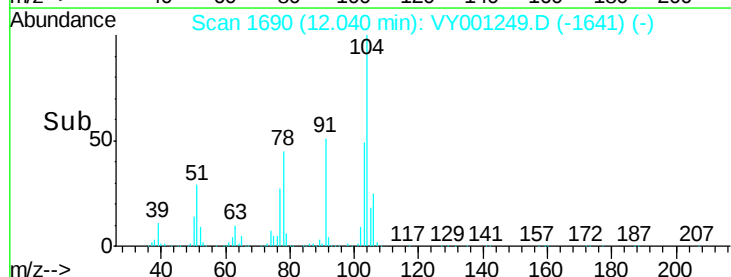
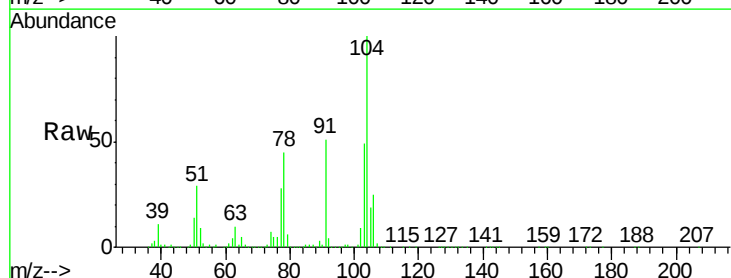
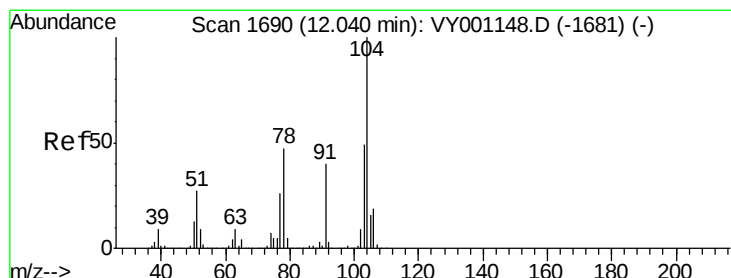
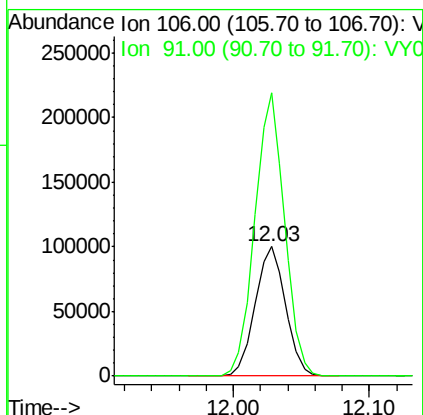
#69
o-Xylene
Concen: 51.513 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion:106 Resp: 157294
Ion Ratio Lower Upper
106 100
91 213.0 106.3 318.8

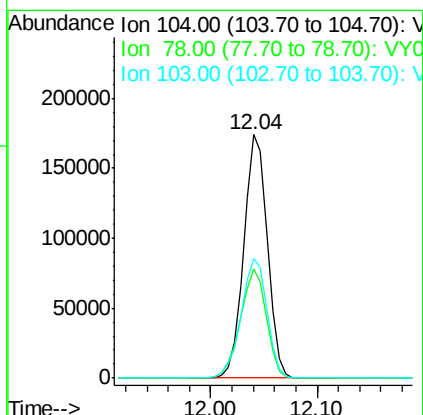
Manual Integrations
APPROVED

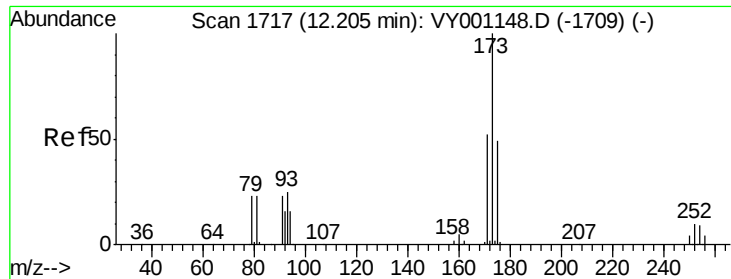
MMDadoda
1/16/2020 9:36:54 AM



#70
Styrene
Concen: 50.587 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion:104 Resp: 271033
Ion Ratio Lower Upper
104 100
78 49.6 40.5 60.7
103 53.7 42.4 63.6





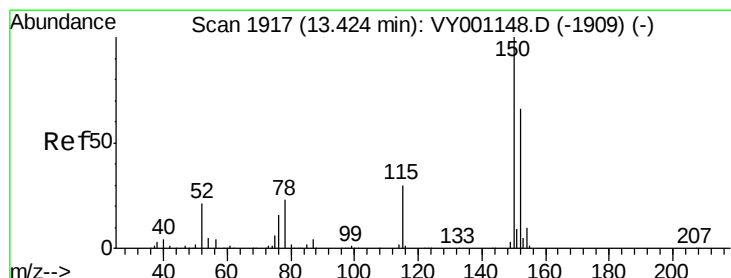
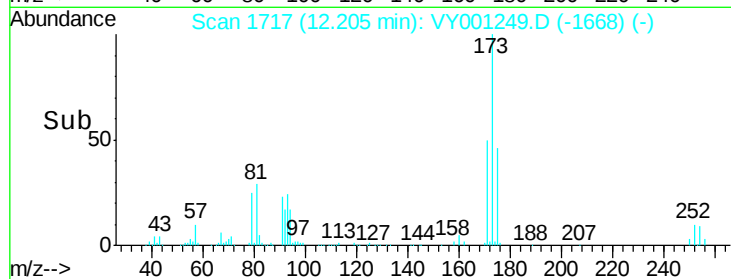
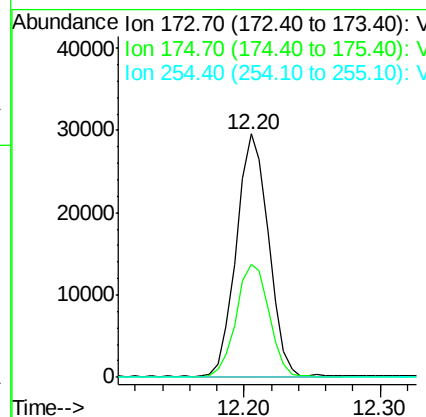
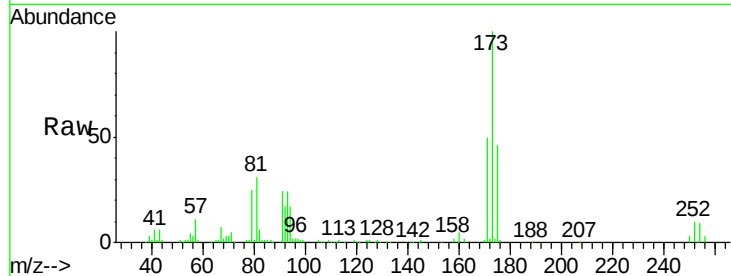
#71
Bromoform
Concen: 49.540 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.2
254	0.0	0.1	0.1#

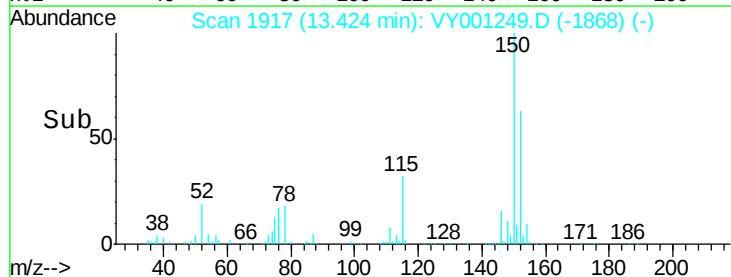
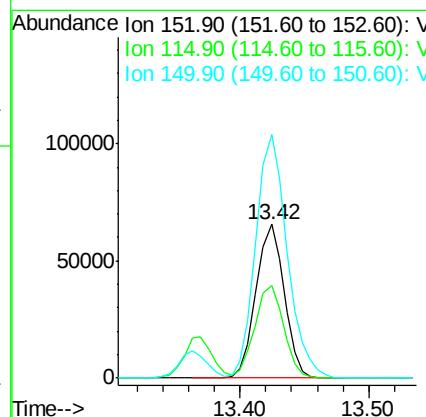
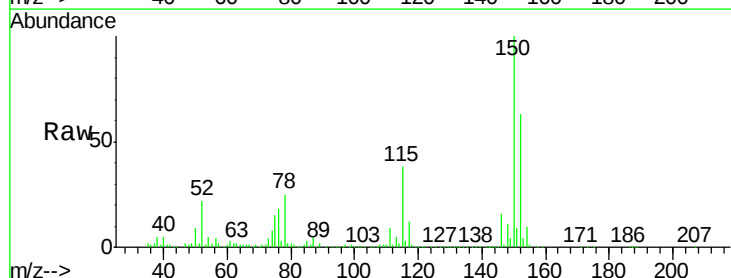
Manual Integrations
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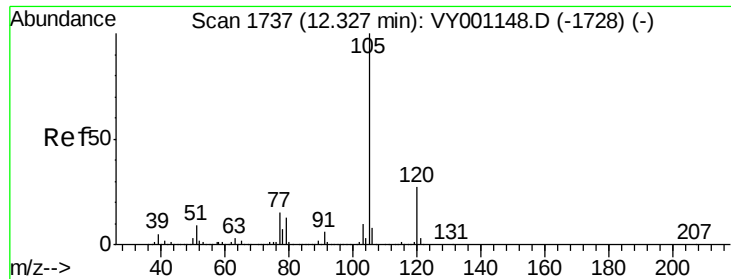
MMDadoda
1/16/2020 9:36:54 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.9	92.5
150	176.7	0.0	346.8





#73

Isopropylbenzene

Concen: 56.158 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:105 Resp: 417952

Ion Ratio Lower Upper

105 100

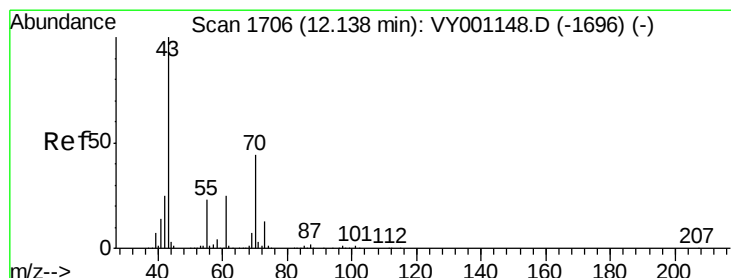
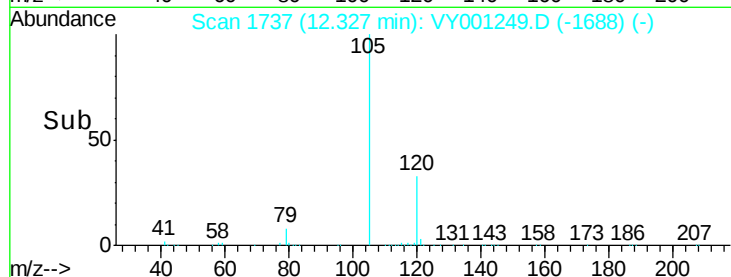
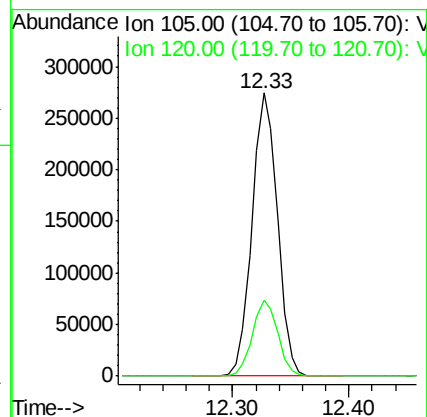
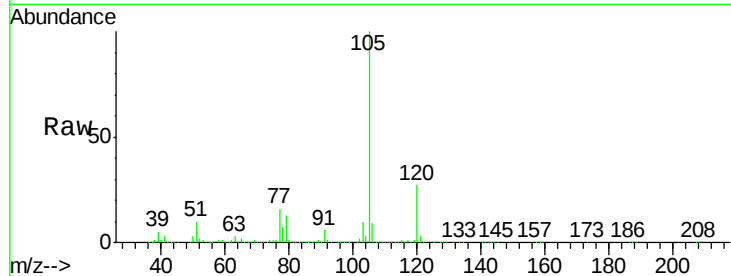
120 26.7 13.4 40.2

Manual Integrations

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1/16/2020 9:36:54 AM



#74

N-ethyl acetate

Concen: 46.669 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion: 43 Resp: 108395

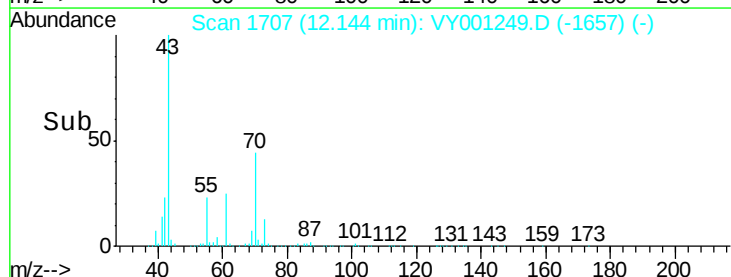
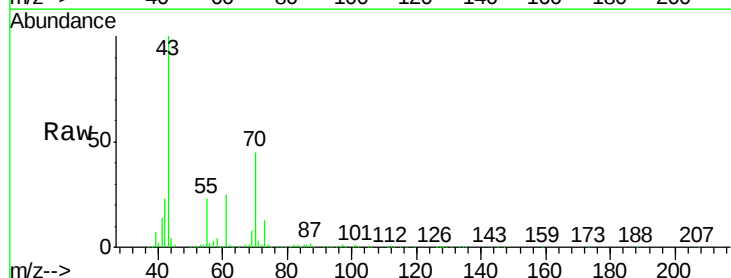
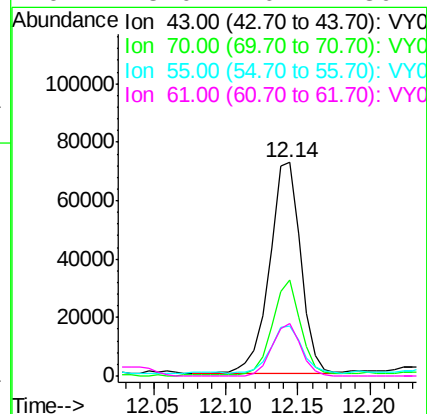
Ion Ratio Lower Upper

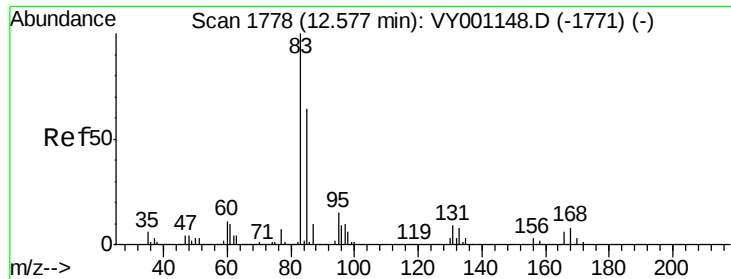
43 100

70 40.5 35.0 52.6

55 23.3 18.4 27.6

61 23.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.351 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

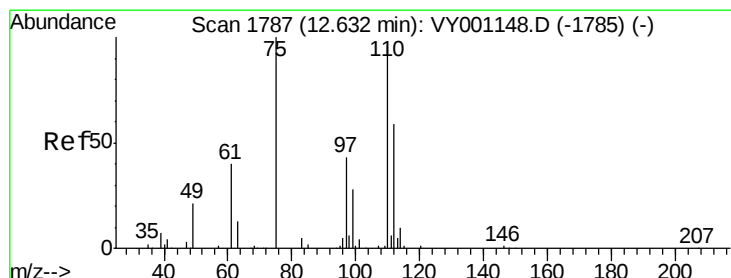
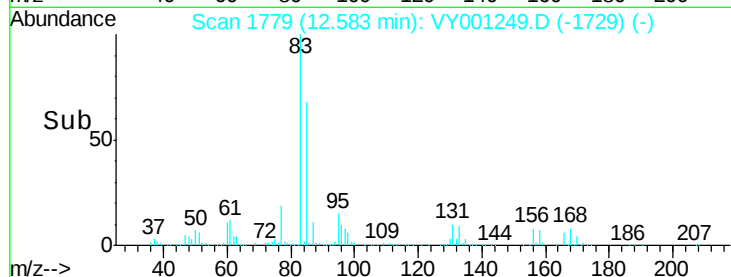
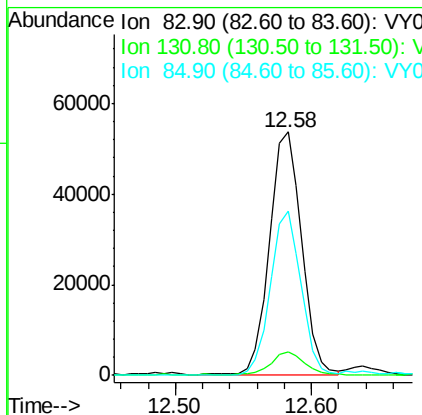
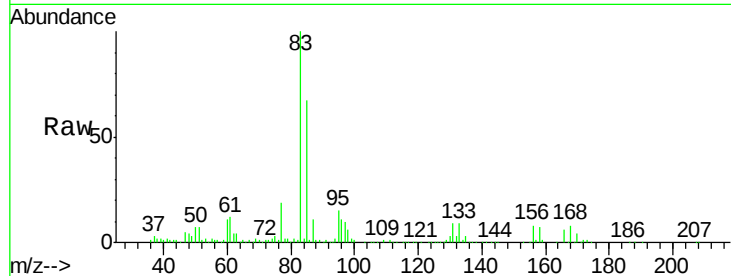
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	83	Resp:	88236
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	64.3	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 56.922 ug/l m

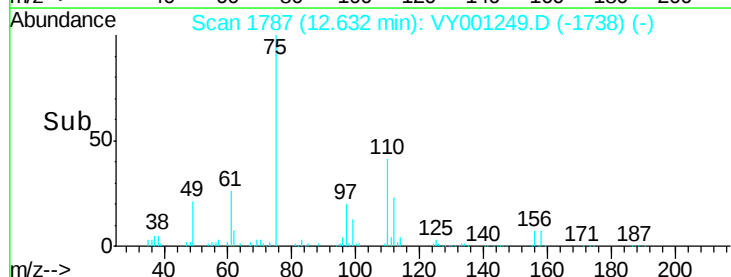
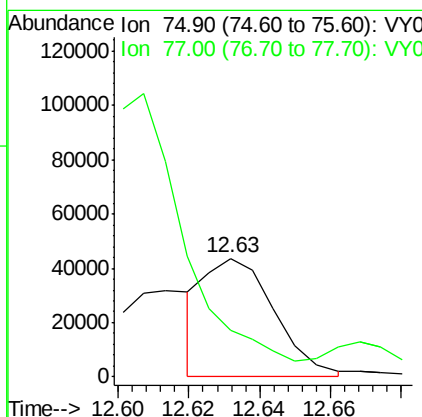
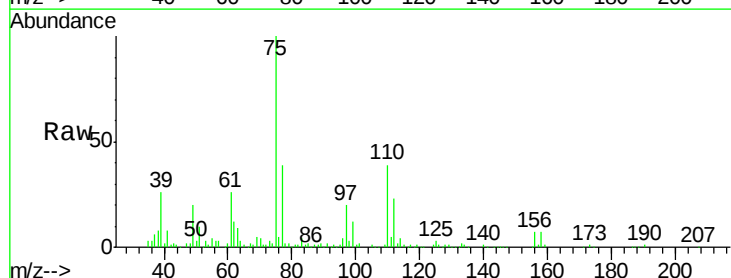
RT: 12.63 min Scan# 1787

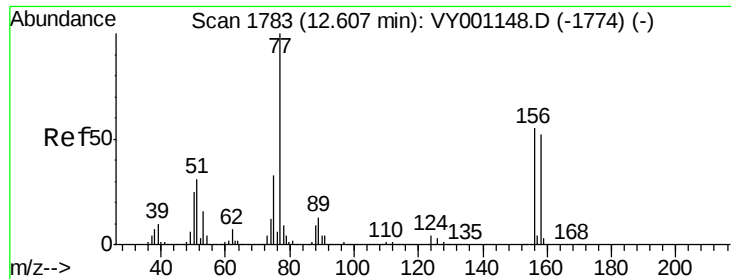
Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	75	Resp:	60325
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





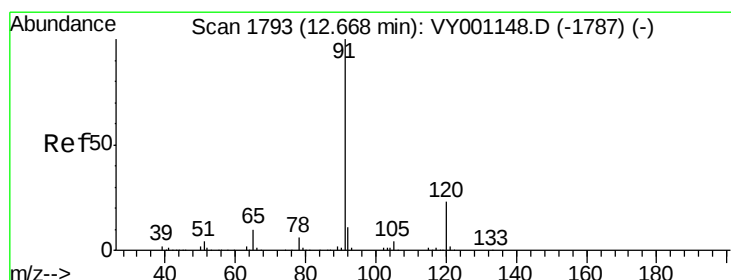
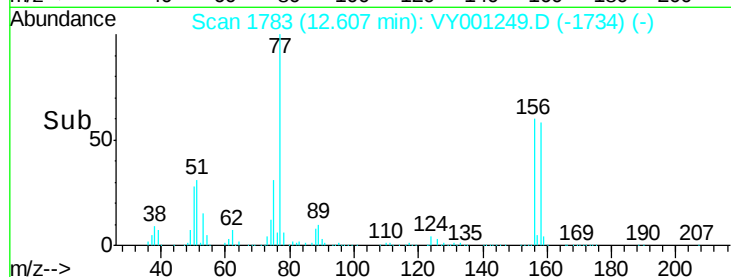
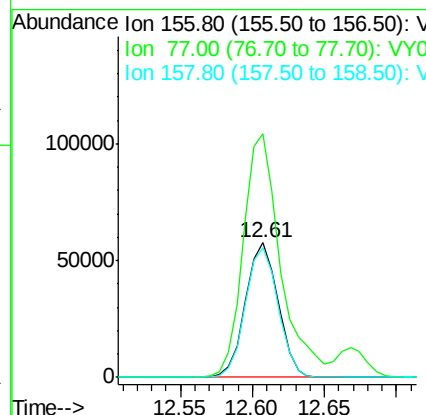
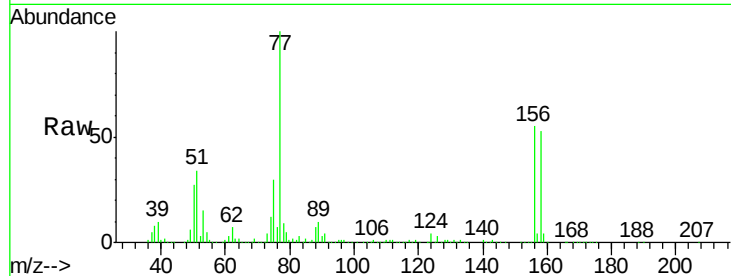
#77
Bromobenzene
Concen: 54.673 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	207.1	106.7	320.1
158	97.1	48.3	144.8

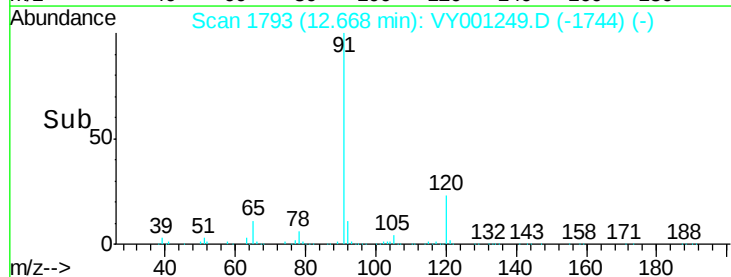
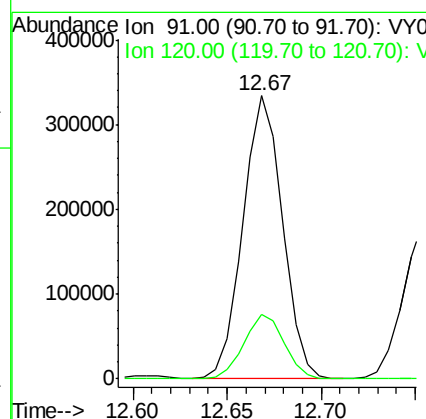
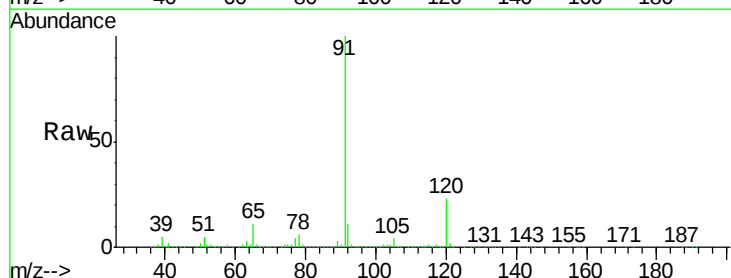
Manual Integrations
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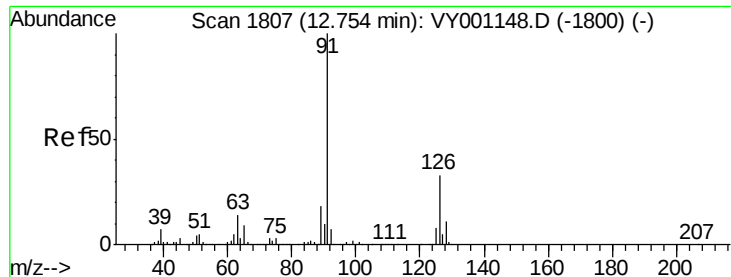
MMDadoda
1/16/2020 9:36:54 AM



#78
n-propylbenzene
Concen: 54.182 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 53.517 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion: 91 Resp: 275144

Ion Ratio Lower Upper

91 100

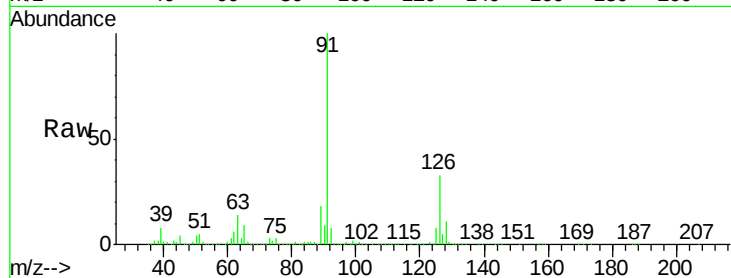
126 33.6 16.4 49.4

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Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001148.D (-1800) (-)

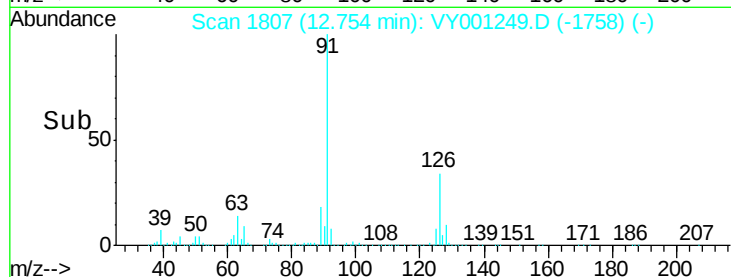
300000

200000

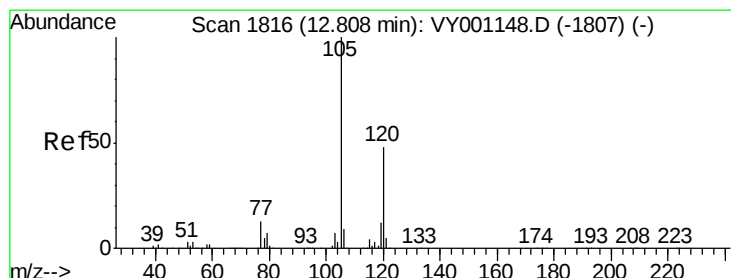
100000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.724 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001249.D

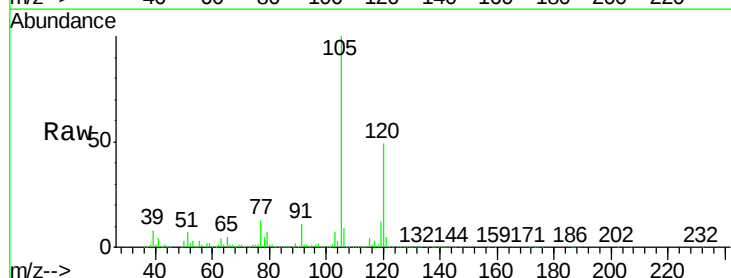
Acq: 16 Jan 2020 03:46

Tgt Ion: 105 Resp: 339822

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

250000

200000

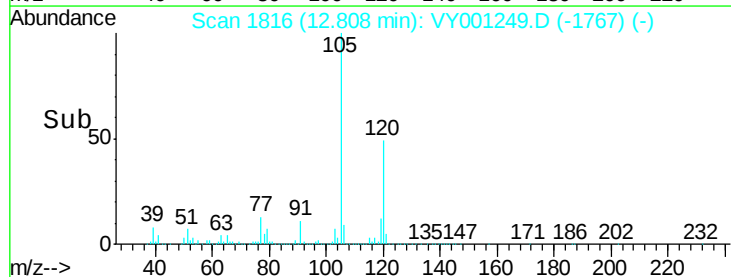
150000

100000

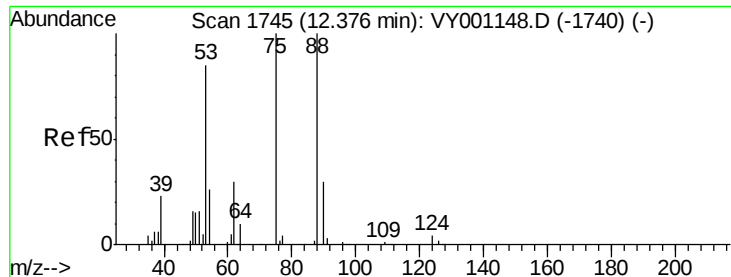
50000

0

12.75 12.80 12.85



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 49.097 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

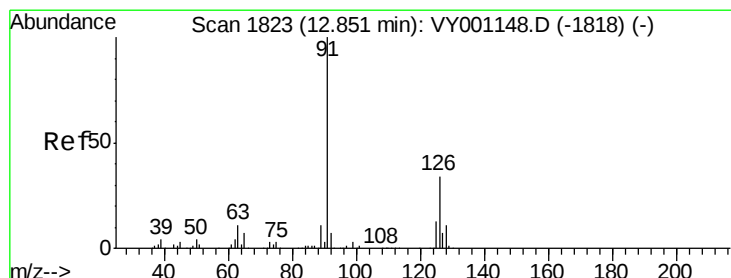
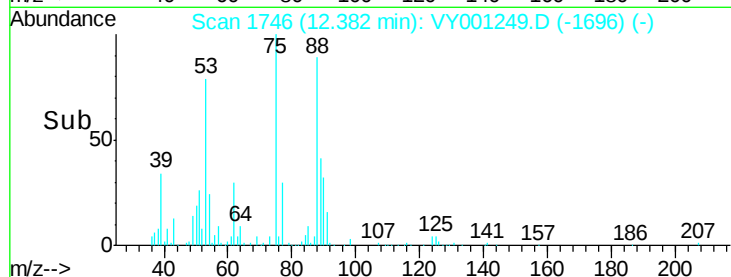
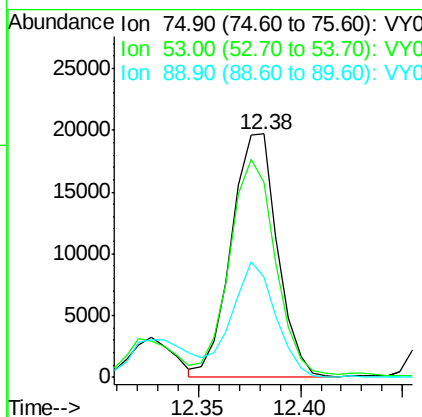
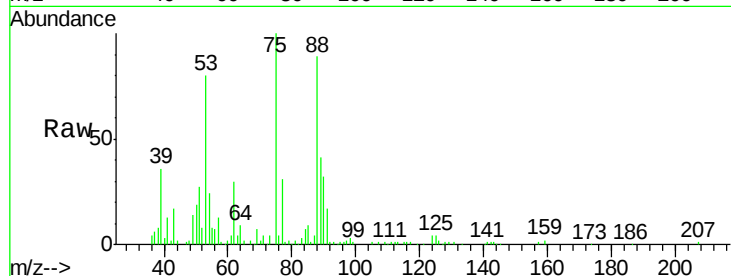
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	69.4	104.2
89	45.9	0.0	0.0#

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#82

4-Chlorotoluene

Concen: 51.890 ug/l

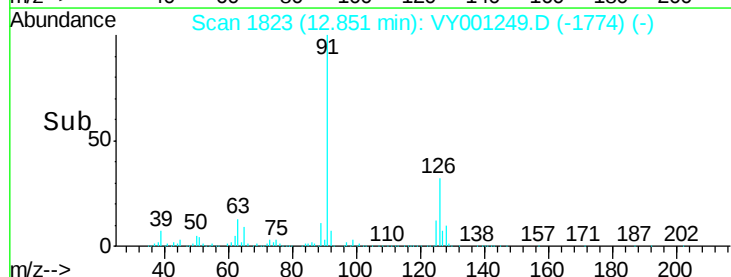
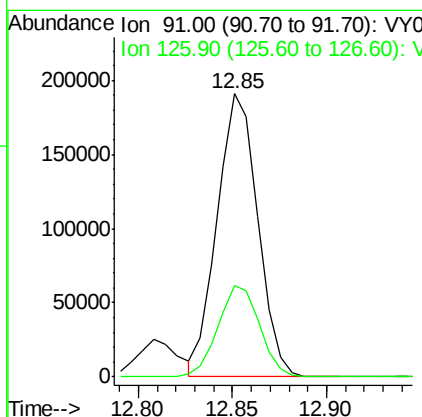
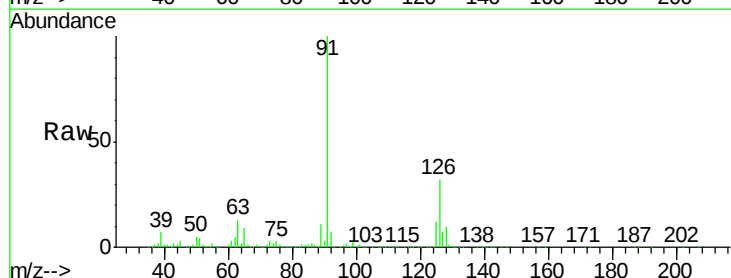
RT: 12.85 min Scan# 1823

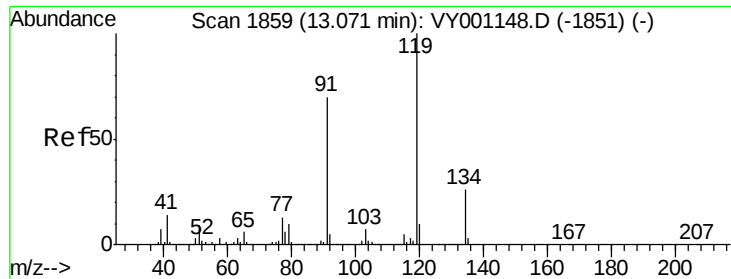
Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 55.427 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Instrument :

MSVOA_Y

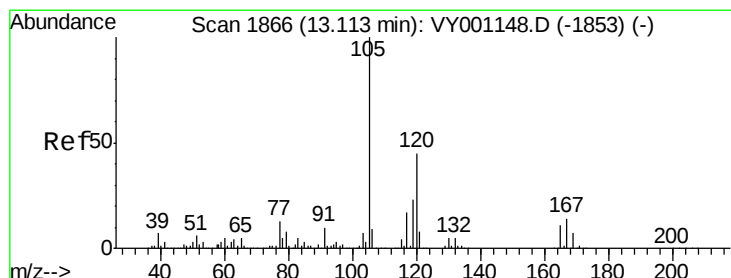
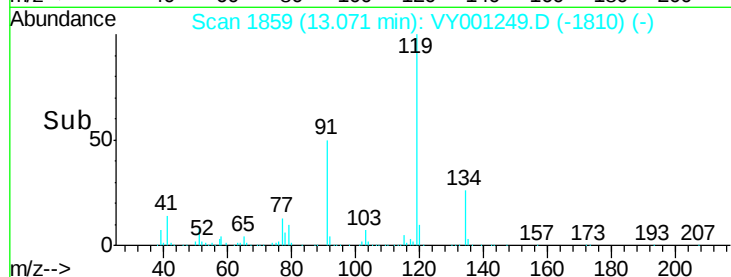
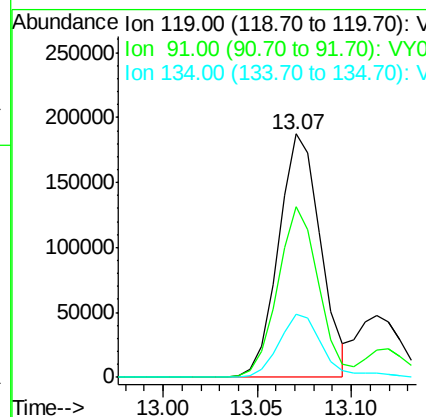
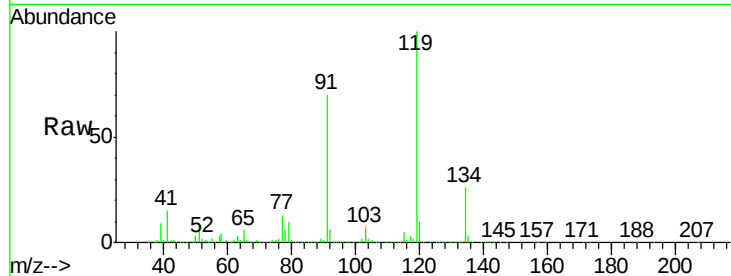
ClientSampleId :

WP022SB457_200113_28-30MS

Tot Ion:	119	Resp:	289209
Ion Ratio	Lower	Upper	
119	100		
91	68.0	33.9	101.7
134	27.3	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.870 ug/l

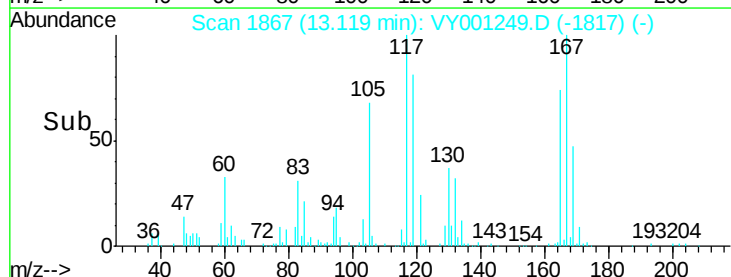
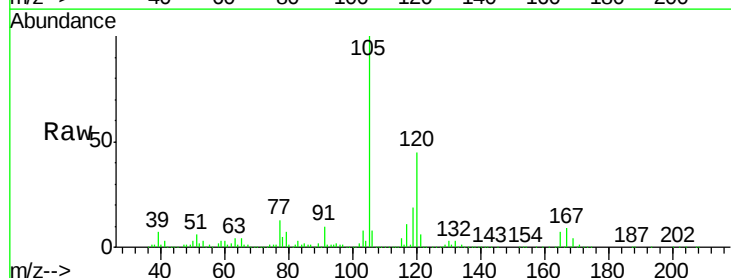
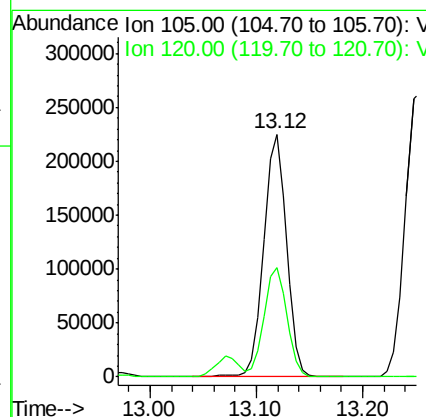
RT: 13.12 min Scan# 1867

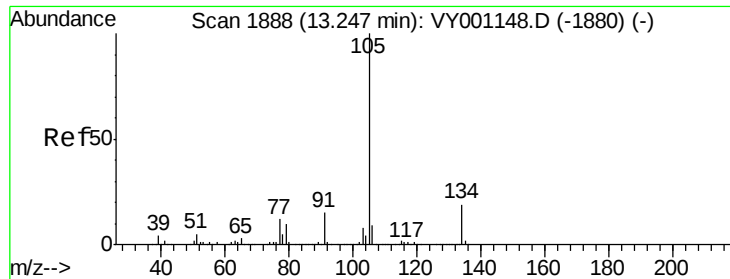
Delta R.T. 0.01 min

Lab File: VY001249.D

Acq: 16 Jan 2020 03:46

Tgt Ion:	105	Resp:	338369
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.8	68.3





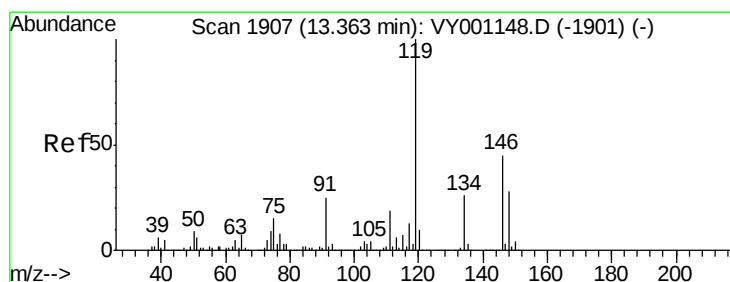
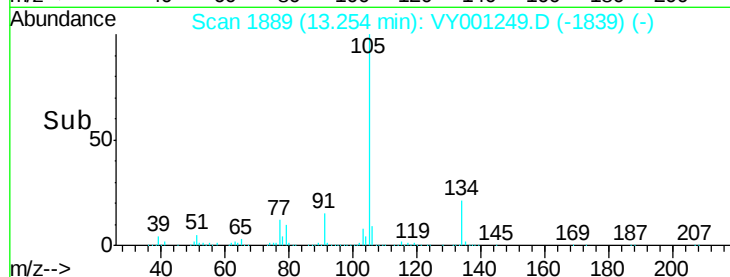
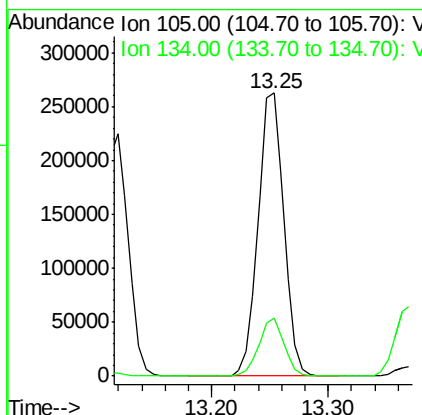
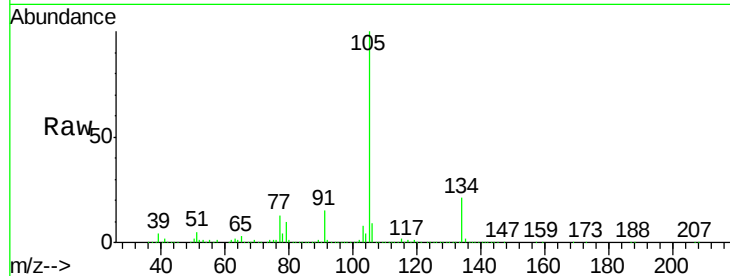
#85
 sec-Butylbenzene
 Concen: 53.984 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.5

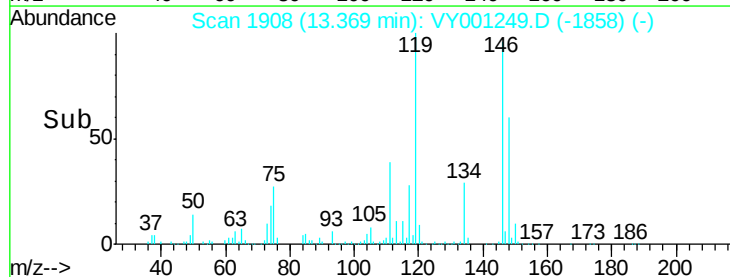
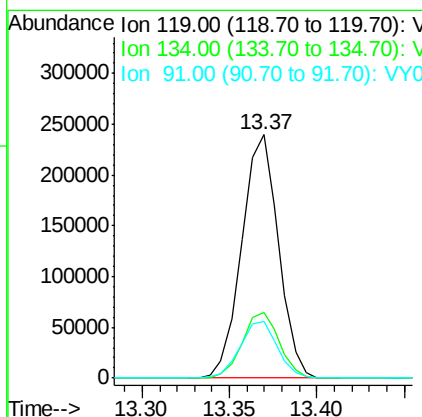
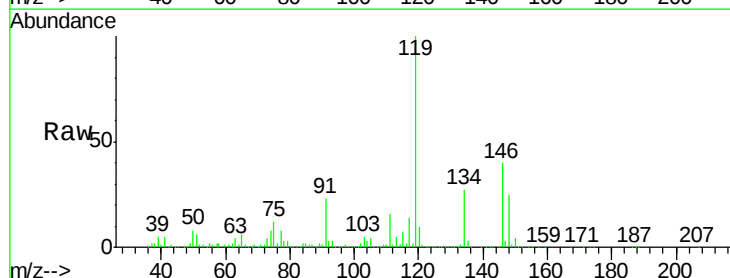
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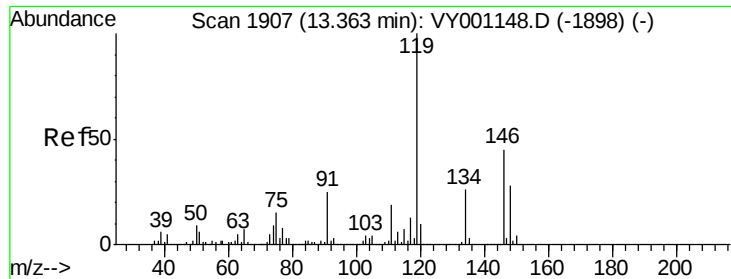
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#86
 p-Isopropyltoluene
 Concen: 53.499 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	23.5	12.4	37.2





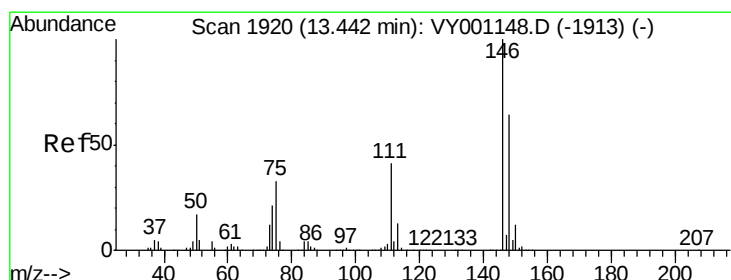
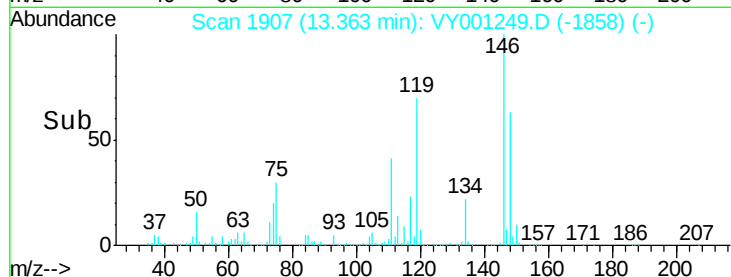
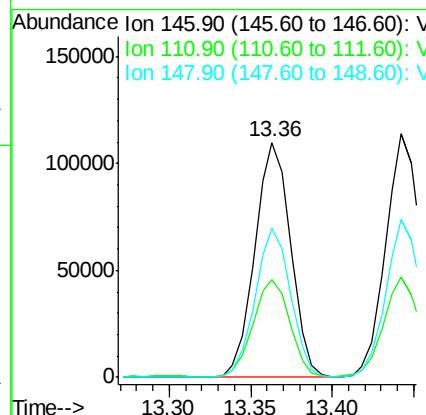
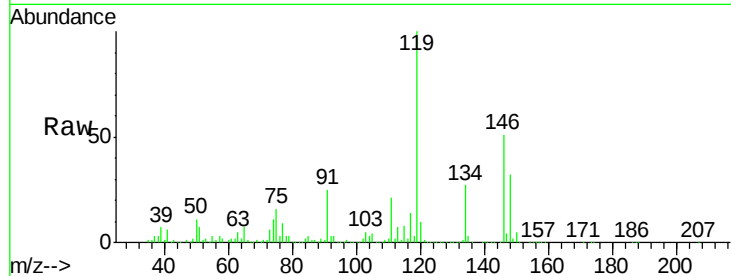
#87
 1,3-Dichlorobenzene
 Concen: 54.080 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168192		
111	42.1	21.3	64.0	
148	62.7	31.9	95.5	

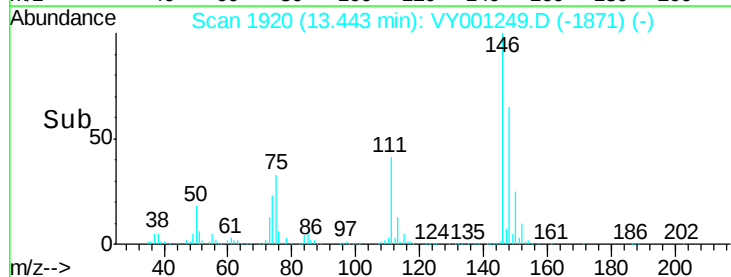
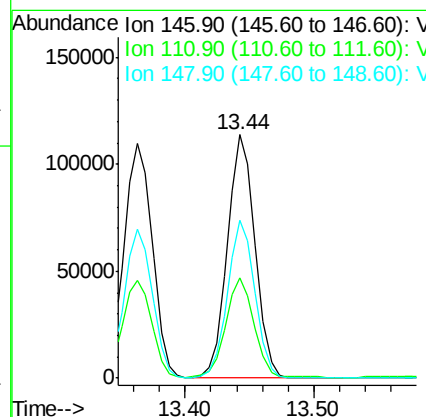
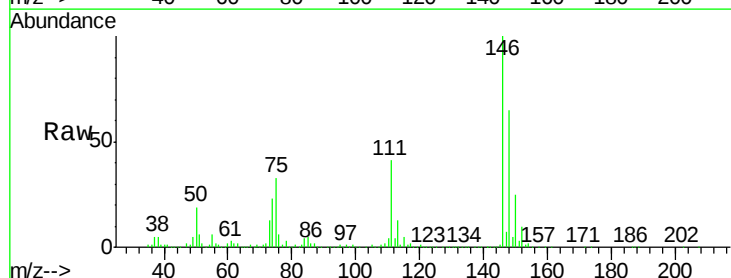
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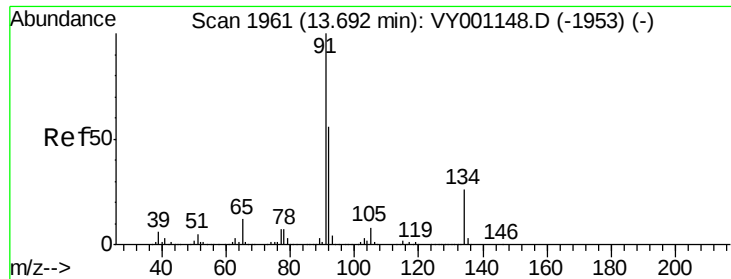
MMDadoda
 1/16/2020 9:36:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.711 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	171923		
111	41.5	20.8	62.5	
148	64.3	32.0	96.2	





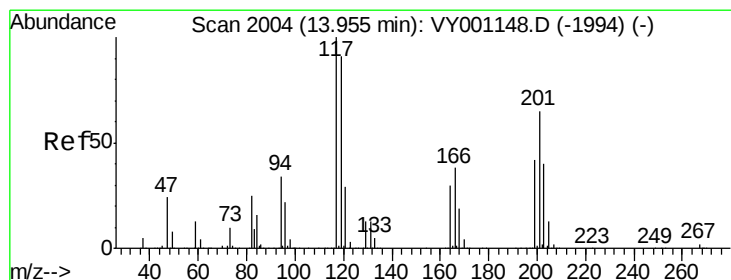
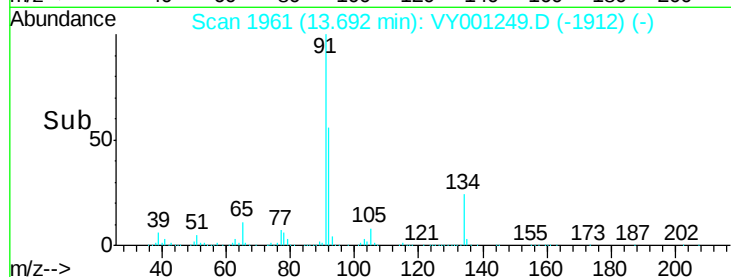
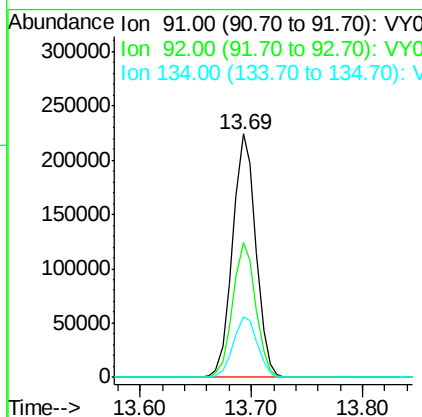
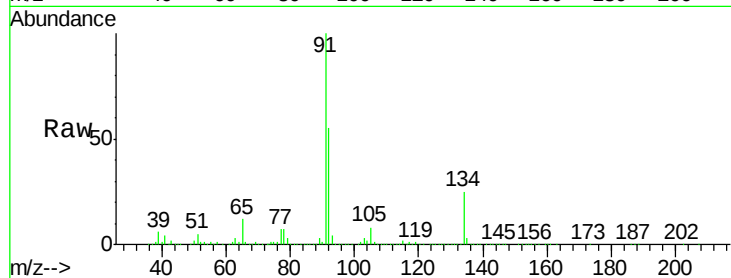
#89
n-Butylbenzene
Concen: 49.108 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.7	83.1
134	25.7	12.9	38.6

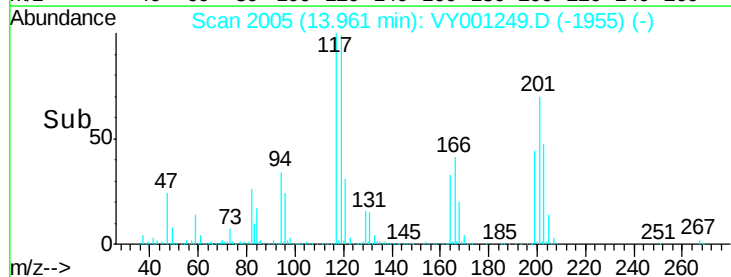
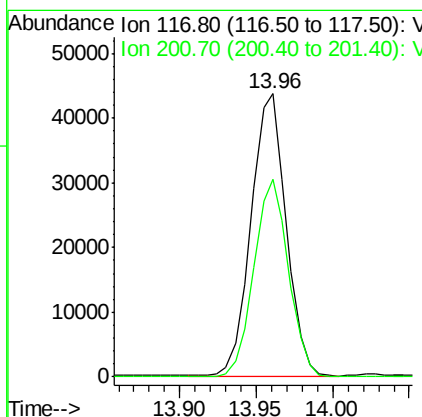
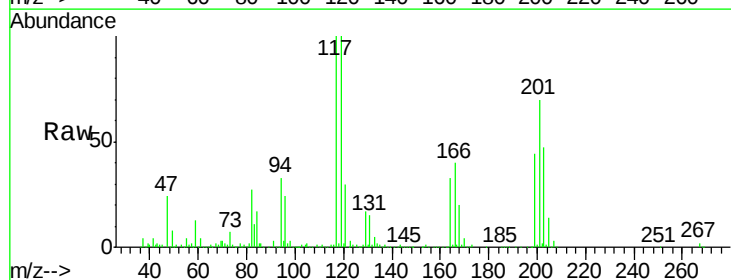
Manual Integrations
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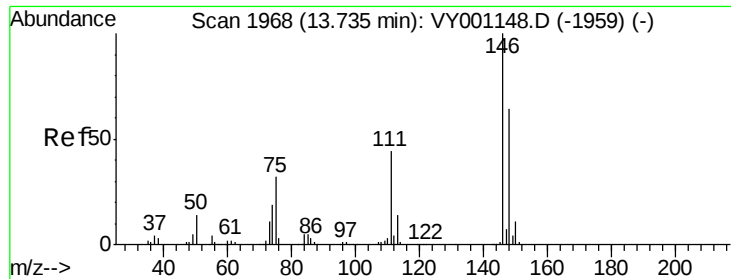
MMDadoda
1/16/2020 9:36:54 AM



#90
Hexachloroethane
Concen: 54.543 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.4	106.2





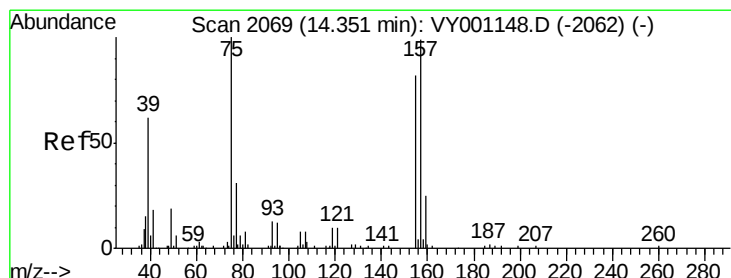
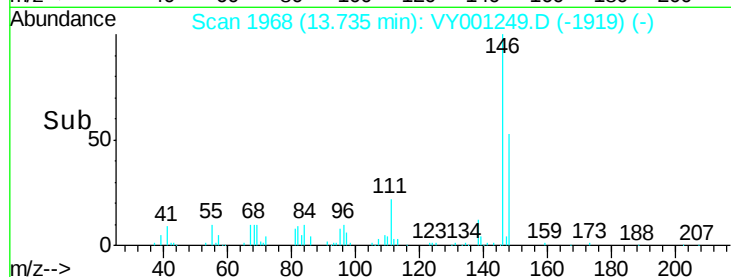
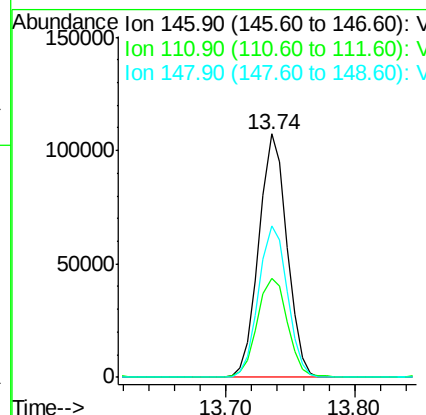
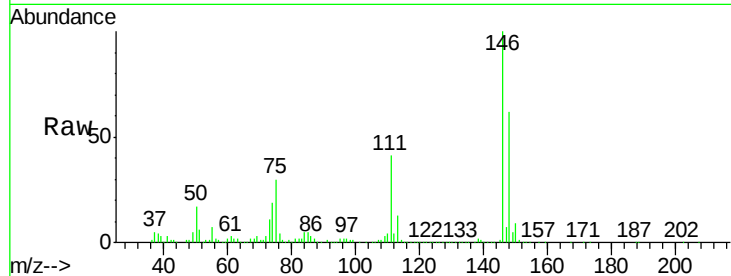
#91
 1,2-Dichlorobenzene
 Concen: 56.035 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.0	66.0
148	63.6	32.1	96.3

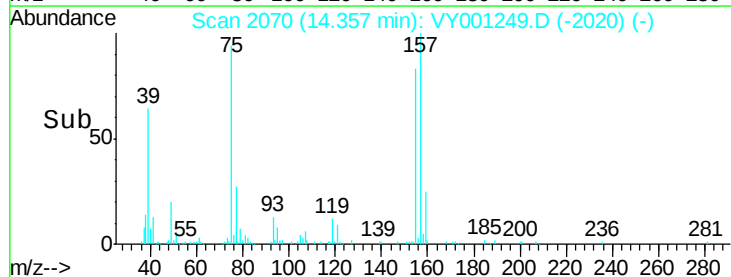
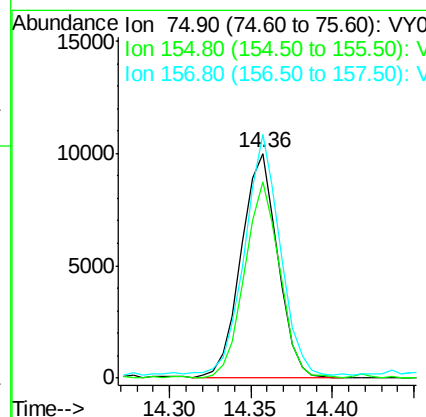
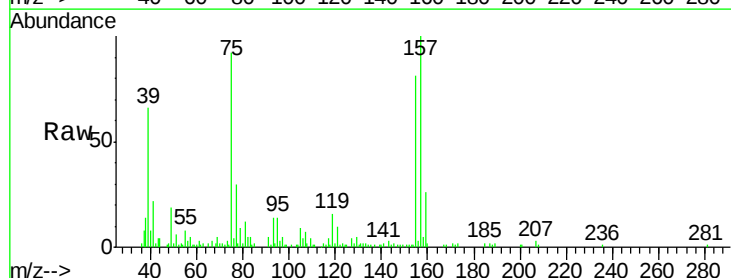
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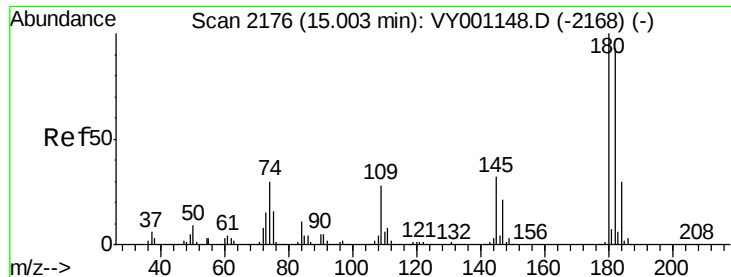
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.464 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	41.2	123.6
157	105.1	52.8	158.4





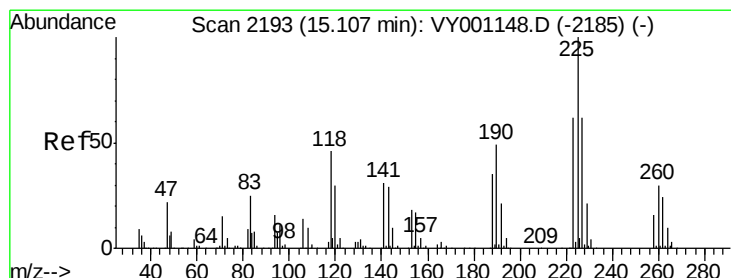
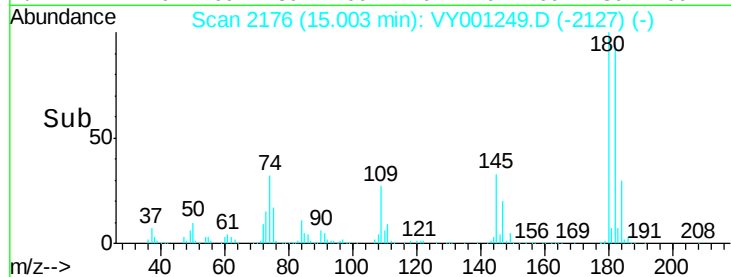
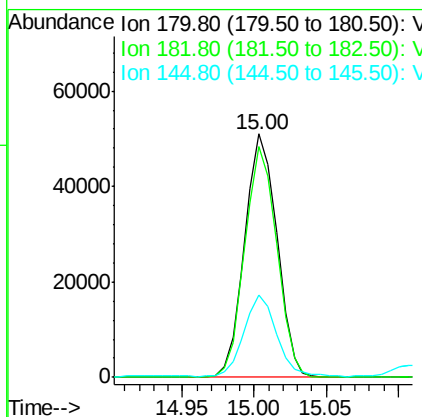
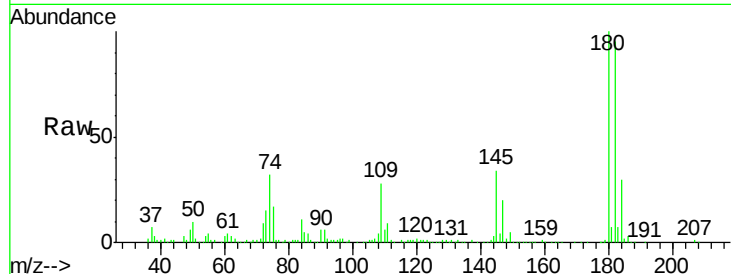
#93
 1,2,4-Trichlorobenzene
 Concen: 41.690 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.8
145	34.0	16.0	48.0

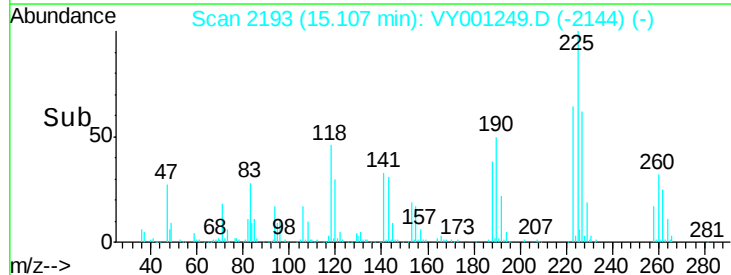
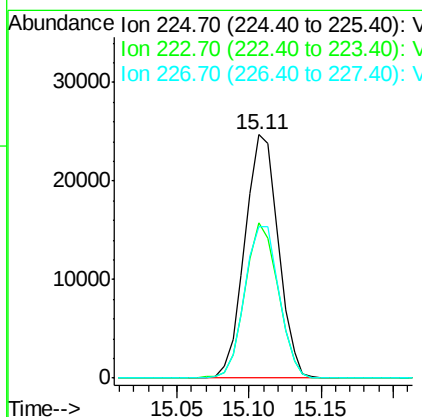
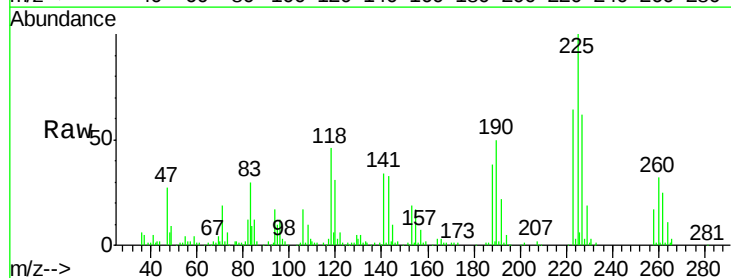
Manual Integrations
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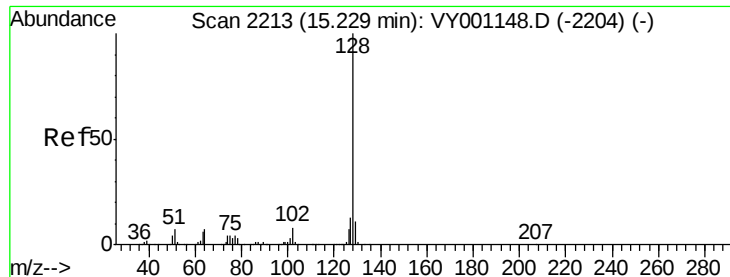
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#94
 Hexachlorobutadiene
 Concen: 41.470 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001249.D
 Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	63.9	31.3	93.9





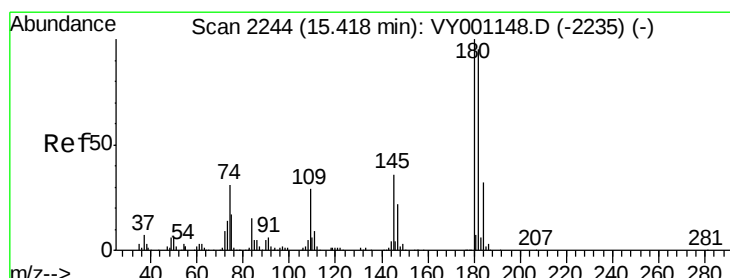
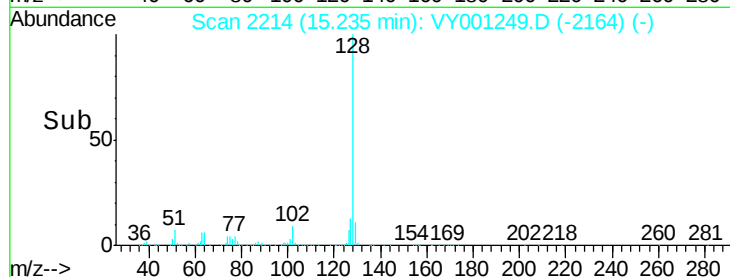
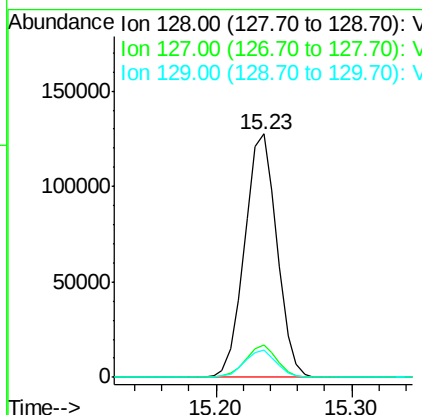
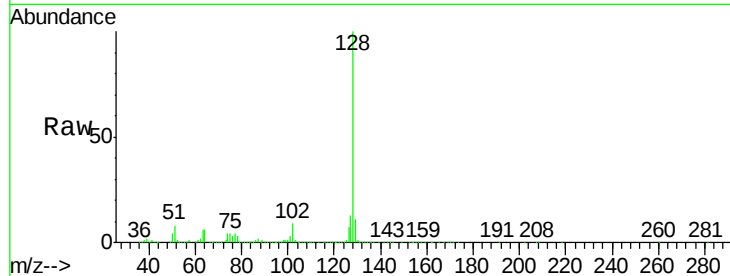
#95
Naphthalene
Concen: 47.540 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_28-30MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.581 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001249.D
Acq: 16 Jan 2020 03:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	34.4	17.1	51.3

