

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000993.D
 Acq On : 18 Dec 2019 12:42
 Operator : SY/MD
 Sample : VY1218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:10:44 AM

Quant Time: Dec 19 07:34:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	276985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	202572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138965	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	7.72	113	136021	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.17	98	563566	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.48	95	193853	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	51529	17.282	ug/l	96
3) Chloromethane	2.12	50	65244	17.752	ug/l	95
4) Vinyl Chloride	2.25	62	65081	17.967	ug/l	99
5) Bromomethane	2.64	94	42066	17.762	ug/l	94
6) Chloroethane	2.79	64	40901	18.417	ug/l	100
7) Trichlorofluoromethane	3.13	101	92311	18.595	ug/l	91
8) Diethyl Ether	3.53	74	37672	20.163	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59760	19.494	ug/l	99
10) Methyl Iodide	4.09	142	71349	18.486	ug/l	98
11) Tert butyl alcohol	4.96	59	30033	101.426	ug/l	98
12) 1,1-Dichloroethene	3.87	96	58682	19.322	ug/l	91
13) Acrolein	3.74	56	25987	89.092	ug/l	92
14) Allyl chloride	4.48	41	97395	18.703	ug/l	97
15) Acrylonitrile	5.17	53	97919	101.492	ug/l	99
16) Acetone	3.95	43	67747	100.341	ug/l	97
17) Carbon Disulfide	4.19	76	175035	17.820	ug/l	98
18) Methyl Acetate	4.49	43	52823	18.711	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	155463	19.168	ug/l	98
20) Methylene Chloride	4.72	84	74572	20.953	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	67199	19.467	ug/l	88
22) Diisopropyl ether	6.13	45	209261	19.552	ug/l	95
23) Vinyl Acetate	6.07	43	640696	98.468	ug/l	99
24) 1,1-Dichloroethane	6.02	63	114598	19.427	ug/l	99
25) 2-Butanone	6.99	43	119695	95.970	ug/l	97
26) 2,2-Dichloropropane	6.99	77	94965	19.127	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	74969	20.092	ug/l	97
28) Bromochloromethane	7.33	49	28004	14.441	ug/l	95
29) Tetrahydrofuran	7.36	42	81266	98.329	ug/l	98
30) Chloroform	7.52	83	109317	18.473	ug/l	96
31) Cyclohexane	7.78	56	116382	18.624	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	94255	19.289	ug/l	97
36) 1,1-Dichloropropene	7.92	75	90580	18.893	ug/l	100
37) Ethyl Acetate	7.08	43	53171	19.207	ug/l	100
38) Carbon Tetrachloride	7.91	117	80856	18.937	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	118255	18.617	ug/l	96
40) Benzene	8.16	78	273918	19.614	ug/l	97
41) Methacrylonitrile	7.32	41	26495m	18.159	ug/l	
42) 1,2-Dichloroethane	8.24	62	70941	19.315	ug/l	99
43) Isopropyl Acetate	8.27	43	98656	18.911	ug/l	99
44) Trichloroethene	8.94	130	70853	19.741	ug/l	93
45) 1,2-Dichloropropane	9.22	63	69456	19.800	ug/l	98
46) Dibromomethane	9.30	93	36098	19.695	ug/l	97
47) Bromodichloromethane	9.50	83	83294	19.345	ug/l	98
48) Methyl methacrylate	9.29	41	41130	17.929	ug/l	89
49) 1,4-Dioxane	9.30	88	10280	395.843	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	266158	98.742	ug/l	99
52) Toluene	10.24	92	168594	19.498	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	89427	19.332	ug/l	100
54) cis-1,3-Dichloropropene	9.92	75	107720	19.701	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	54452	20.109	ug/l	98
56) Ethyl methacrylate	10.51	69	76920	19.857	ug/l	98
57) 1,3-Dichloropropane	10.78	76	94383	19.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	164010	105.004	ug/l	99
59) 2-Hexanone	10.83	43	183719	93.537	ug/l	100
60) Dibromochloromethane	10.98	129	56562	19.403	ug/l	98
61) 1,2-Dibromoethane	11.08	107	50359	19.733	ug/l	95
64) Tetrachloroethene	10.72	164	76354	20.329	ug/l	94
65) Chlorobenzene	11.51	112	176209	19.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.58	131	60063	19.834	ug/l	97
67) Ethyl Benzene	11.59	91	319335	19.081	ug/l	99
68) m/p-Xylenes	11.70	106	246014	39.165	ug/l	96
69) o-Xylene	12.02	106	119181	20.349	ug/l	94
70) Styrene	12.04	104	195656	19.510	ug/l	99
71) Bromoform	12.20	173	32301	18.912	ug/l #	99
73) Isopropylbenzene	12.33	105	307634	19.073	ug/l	99
74) N-amyl acetate	12.14	43	83532	18.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	60705	19.101	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	48915m	21.313	ug/l	
77) Bromobenzene	12.60	156	68618	19.626	ug/l	97
78) n-propylbenzene	12.67	91	374871	19.035	ug/l	99
79) 2-Chlorotoluene	12.75	91	204920	18.835	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	256523	19.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21950	18.786	ug/l	96
82) 4-Chlorotoluene	12.85	91	215652	19.239	ug/l	99
83) tert-Butylbenzene	13.07	119	211989	18.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	258095	19.317	ug/l	99
85) sec-Butylbenzene	13.25	105	309909	18.979	ug/l	100
86) p-Isopropyltoluene	13.36	119	278755	19.627	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	133673	19.490	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	134751	19.842	ug/l	100
89) n-Butylbenzene	13.69	91	277587	19.331	ug/l	100
90) Hexachloroethane	13.95	117	49016	18.735	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	122863	19.915	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10351	19.455	ug/l	92

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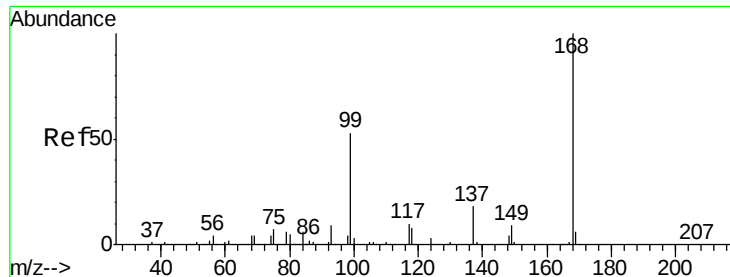
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	82506	19.764	ug/l	97
94) Hexachlorobutadiene	15.11	225	39641	19.153	ug/l	95
95) Naphthalene	15.23	128	193341	19.946	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	75587	20.271	ug/l	95

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



#1

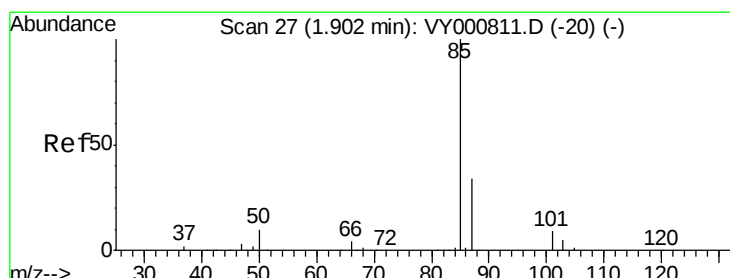
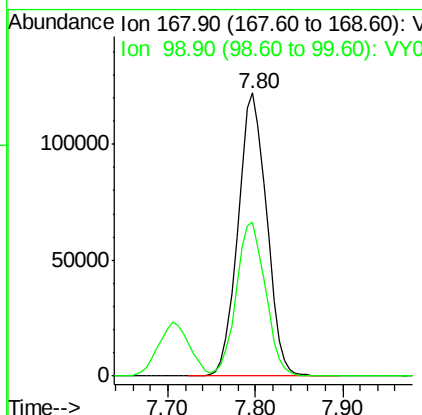
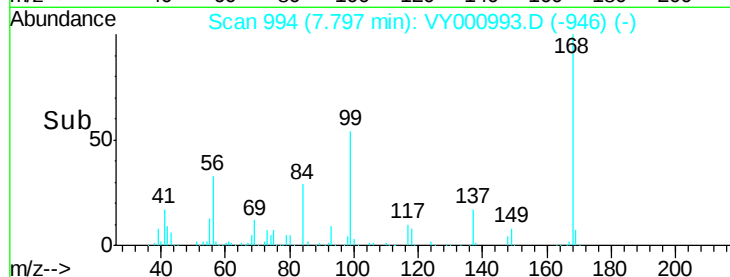
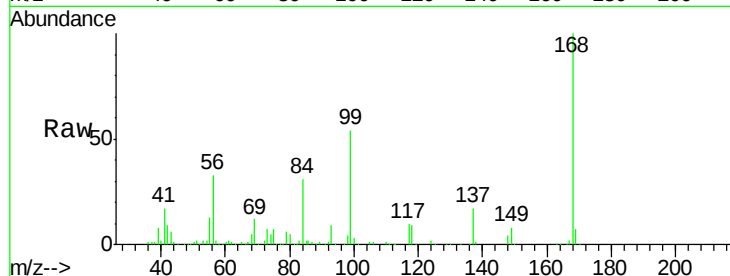
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.3	45.0	67.6

Manual Integrations
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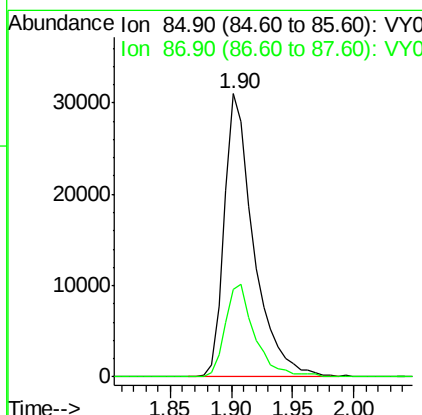
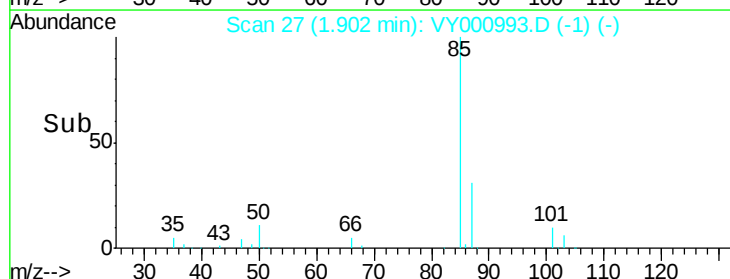
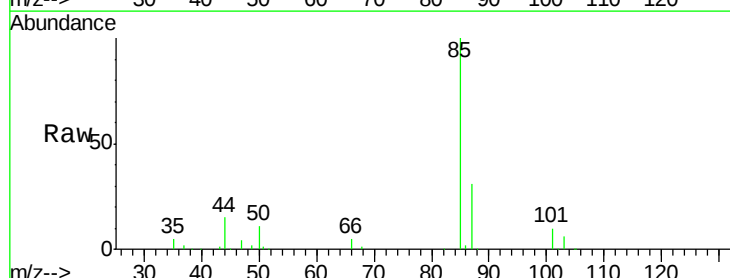
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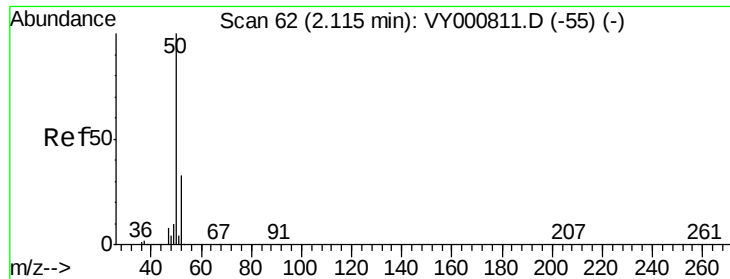


#2

Dichlorodifluoromethane
 Concen: 17.282 ug/l
 RT: 1.90 min Scan# 27
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.8	50.3





#3

Chloromethane

Concen: 17.752 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 50 Resp: 65244

Ion Ratio Lower Upper

50 100

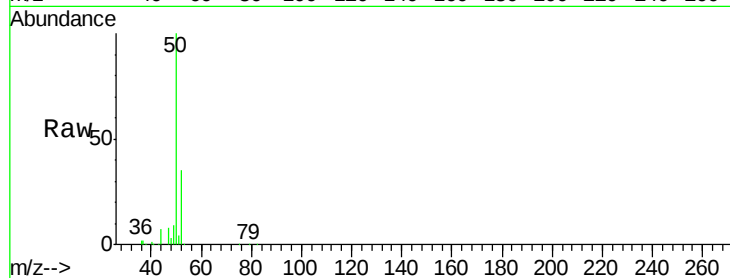
52 35.2 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

30000

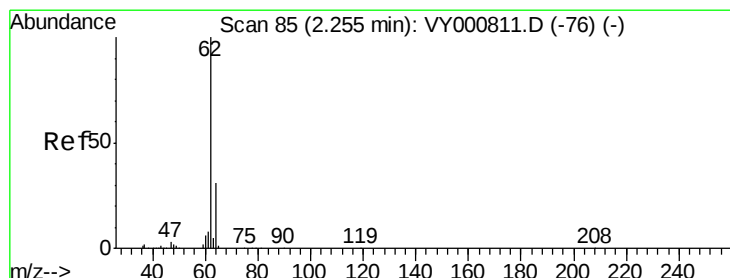
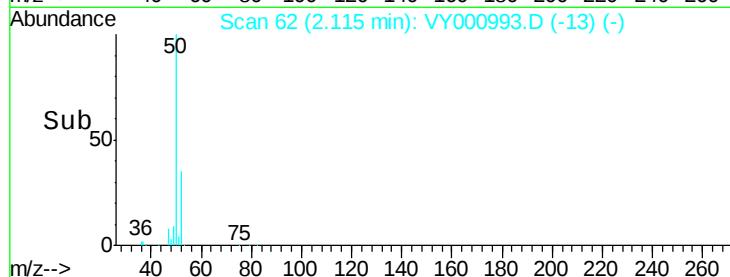
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 17.967 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000993.D

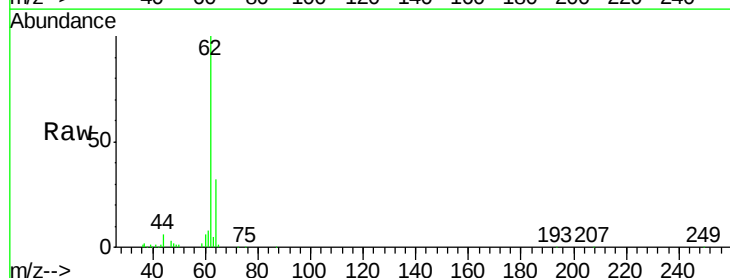
Acq: 18 Dec 2019 12:42

Tgt Ion: 62 Resp: 65081

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

40000

30000

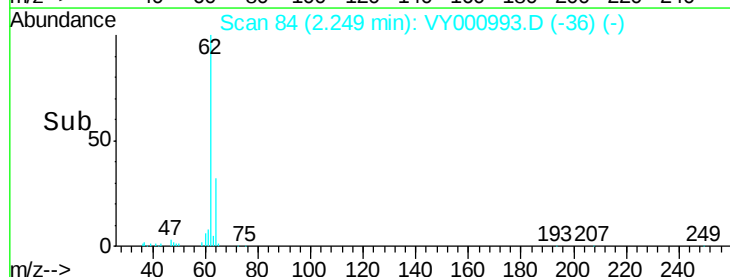
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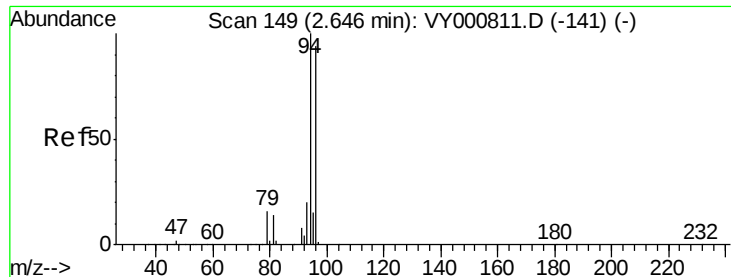
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Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 17.762 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 94 Resp: 42066

Ion Ratio Lower Upper

94 100

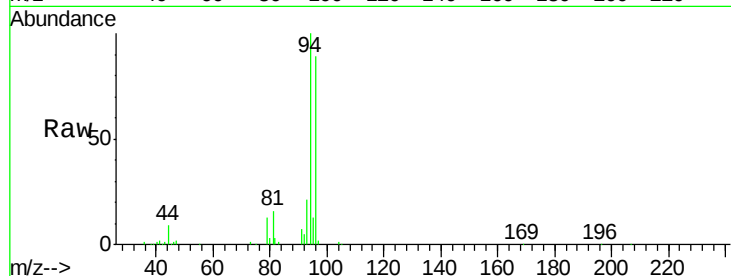
96 88.6 75.2 112.8

Manual Integrations

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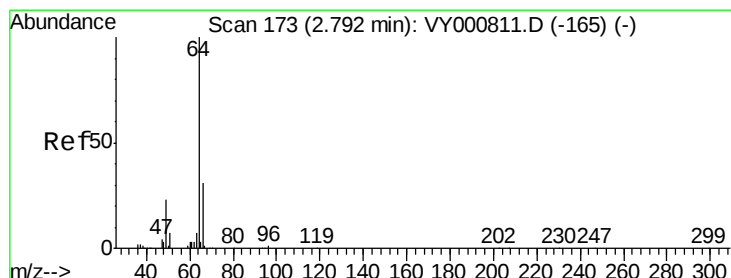
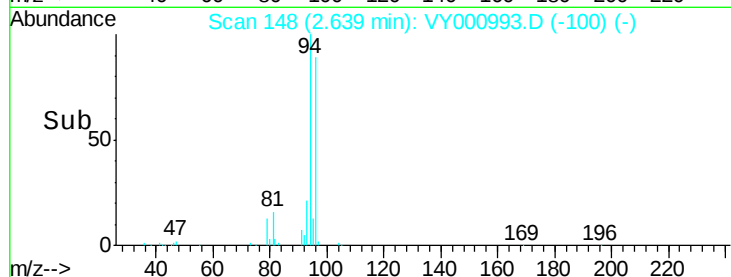
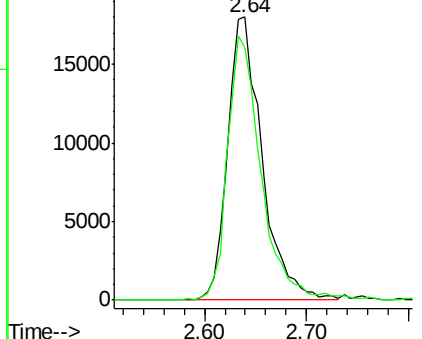
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 18.417 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000993.D

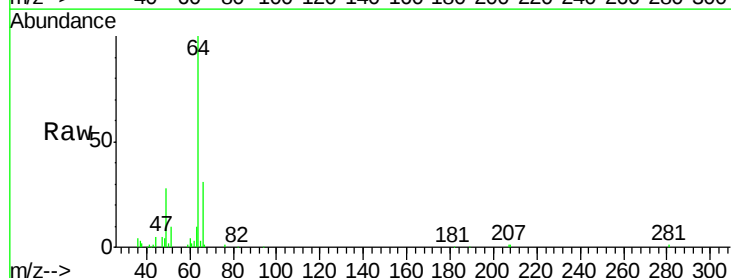
Acq: 18 Dec 2019 12:42

Tgt Ion: 64 Resp: 40901

Ion Ratio Lower Upper

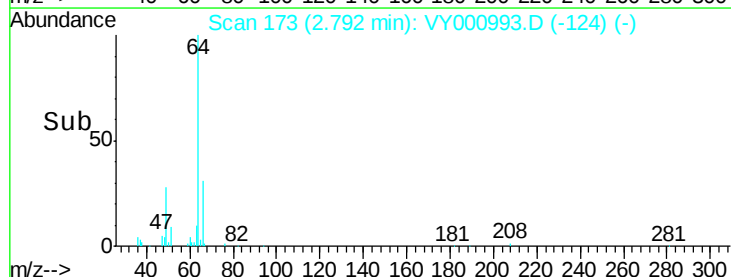
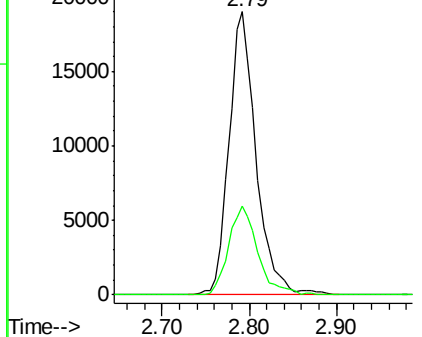
64 100

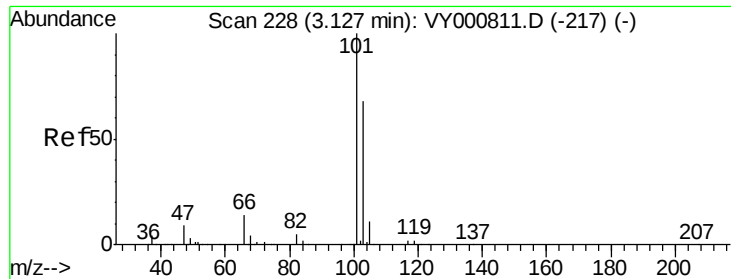
66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

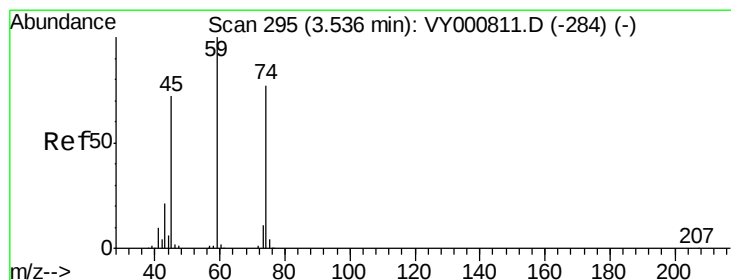
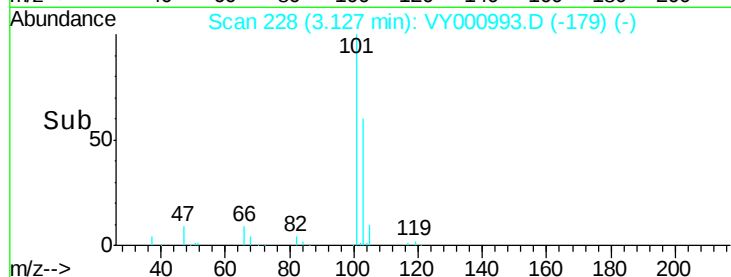
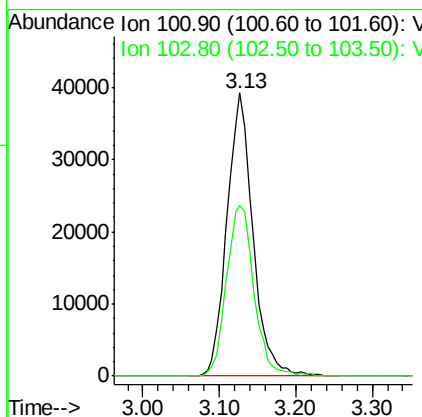
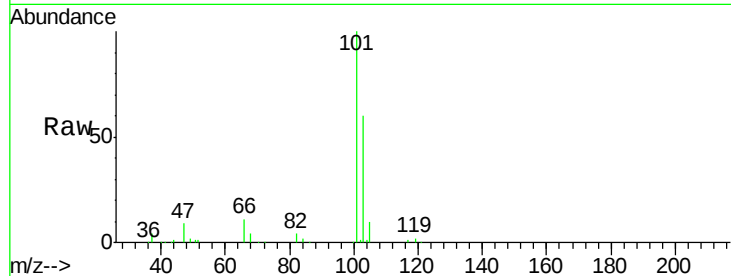
Trichlorofluoromethane
 Concen: 18.595 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	54.2	81.2

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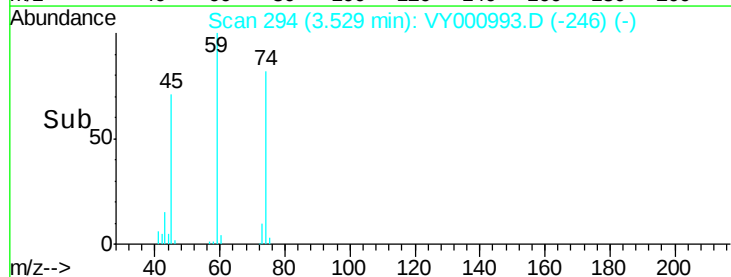
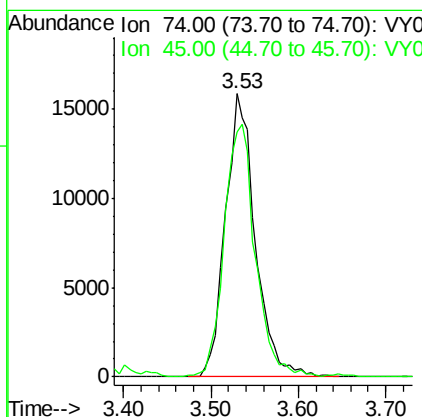
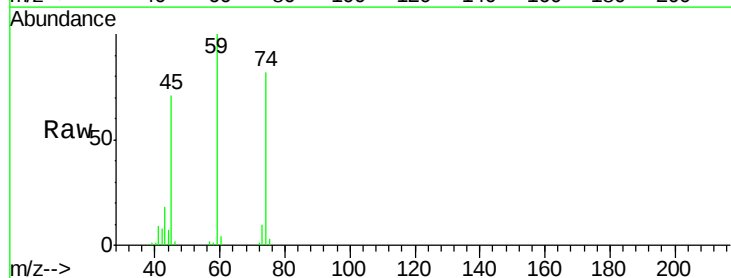
MMDadoda
 12/19/2019 11:10:44 AM

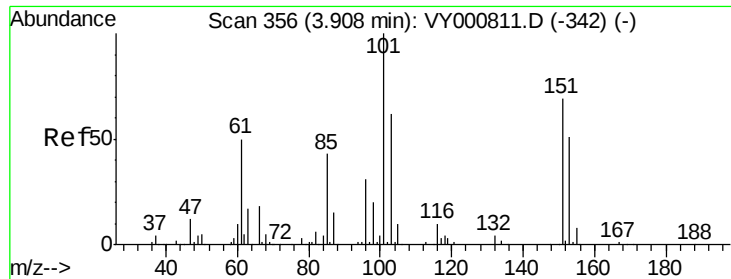


#8

Diethyl Ether
 Concen: 20.163 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.494 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

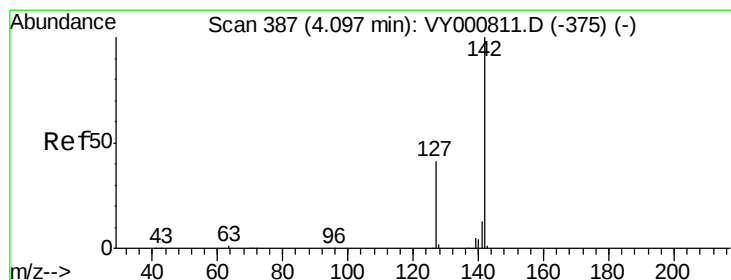
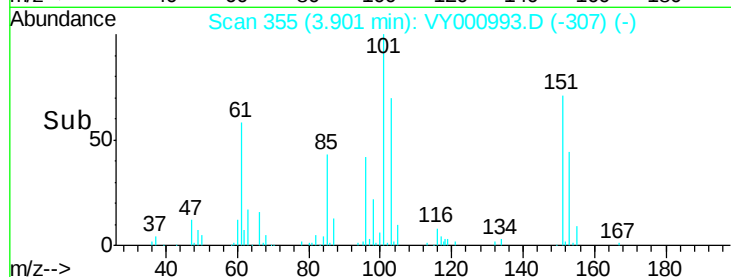
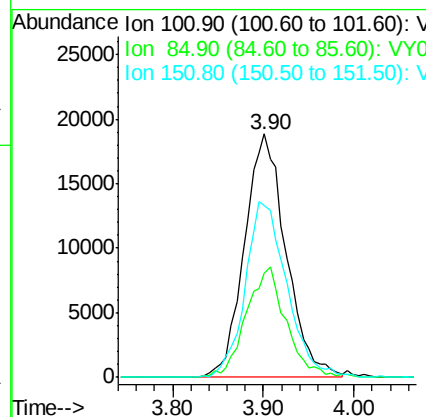
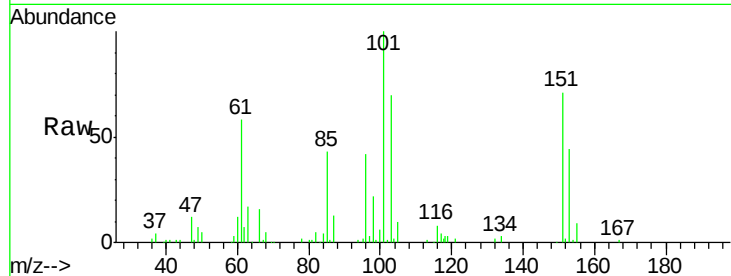
ClientSampleId :

VY1218SBS01

Tot Ion:	101	Resp:	59760
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	72.5	58.2	87.2

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#10

Methyl Iodide

Concen: 18.486 ug/l

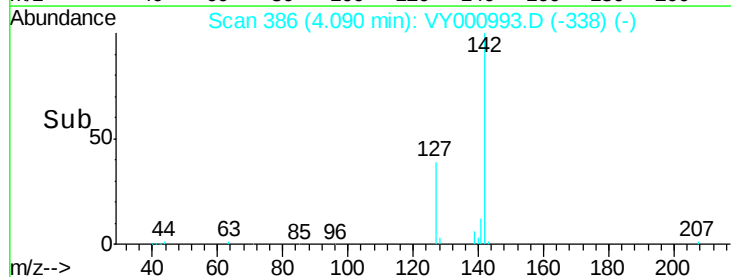
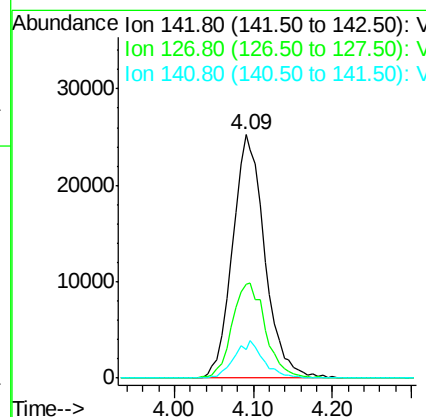
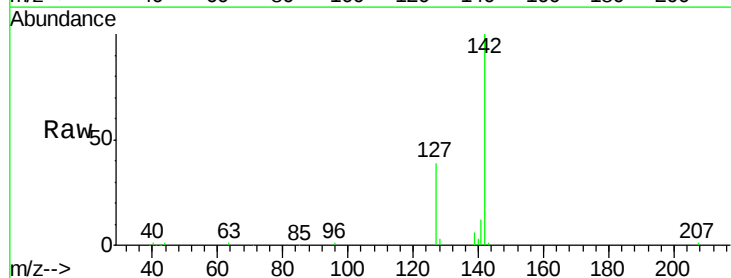
RT: 4.09 min Scan# 386

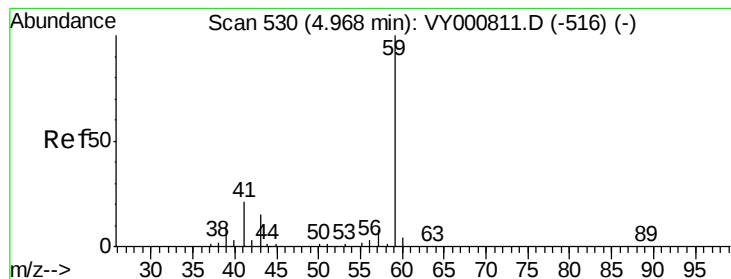
Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	142	Resp:	71349
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.8
141	14.0	10.9	16.3





#11

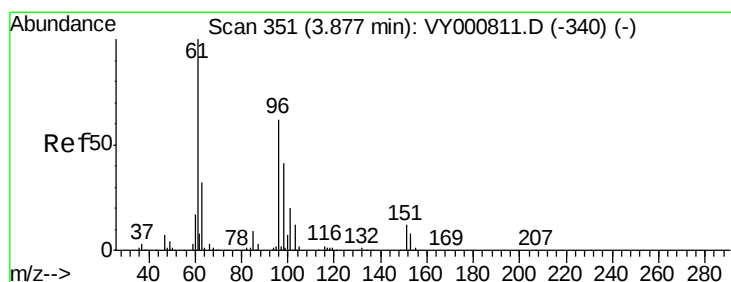
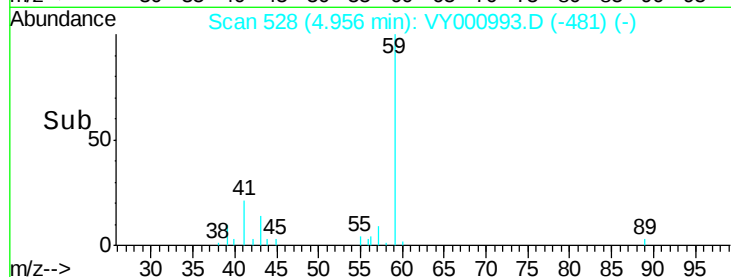
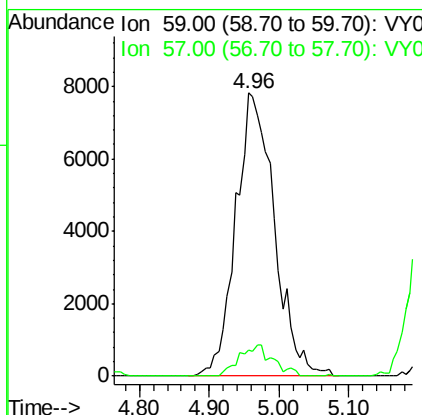
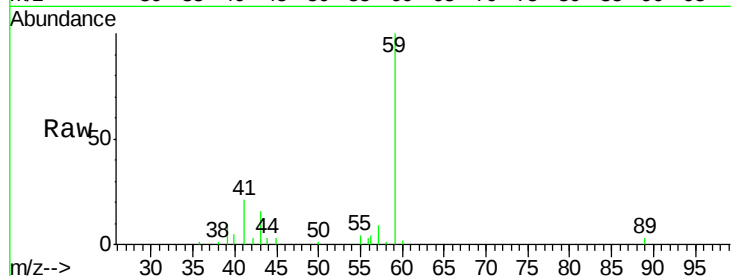
Tert butyl alcohol
Concen: 101.426 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.6

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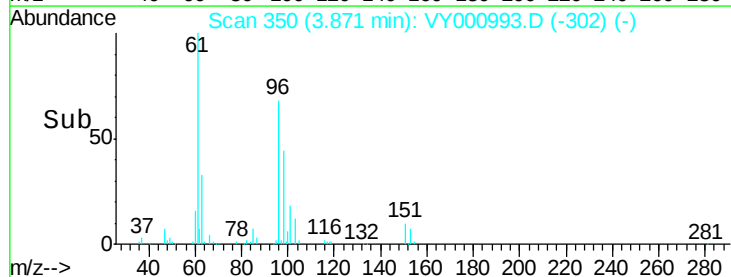
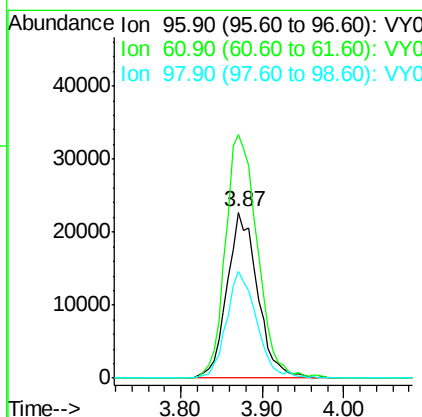
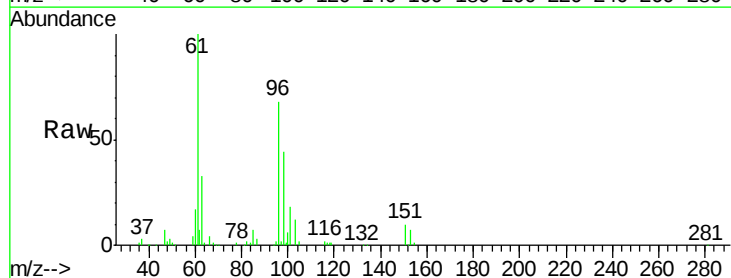
MMDadoda
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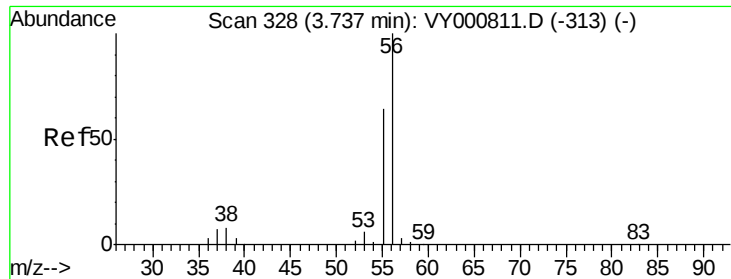


#12

1,1-Dichloroethene
Concen: 19.322 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	129.4	194.2
98	64.5	53.4	80.0





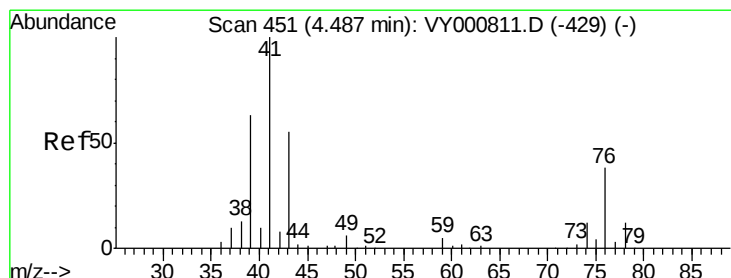
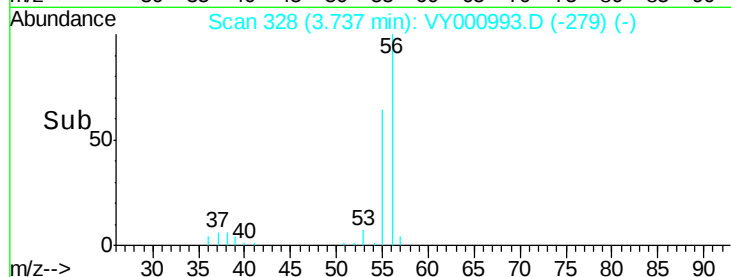
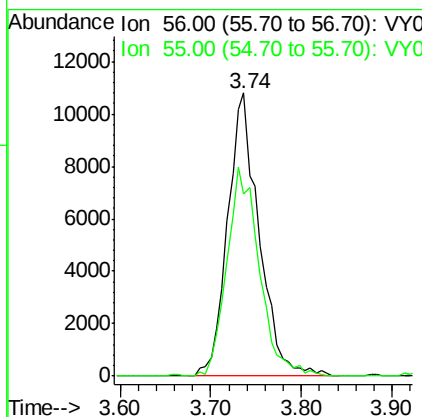
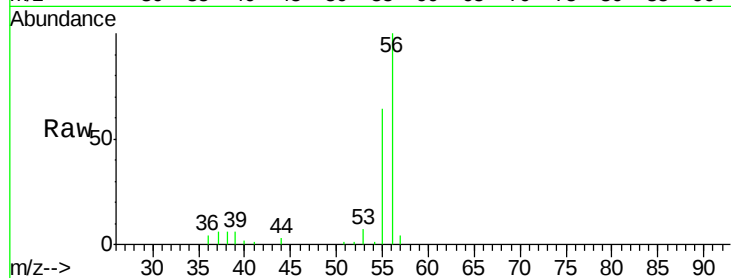
#13
Acrolein
Concen: 89.092 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion: 56 Resp: 25987
Ion Ratio Lower Upper
56 100
55 76.4 55.7 83.5

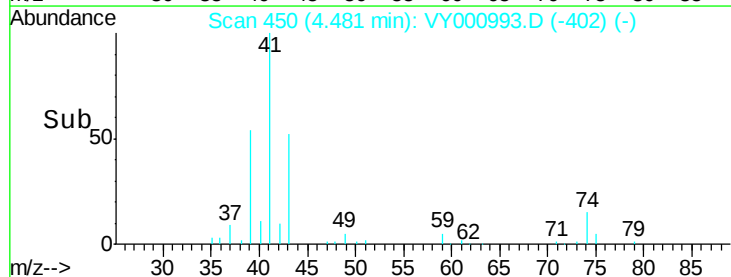
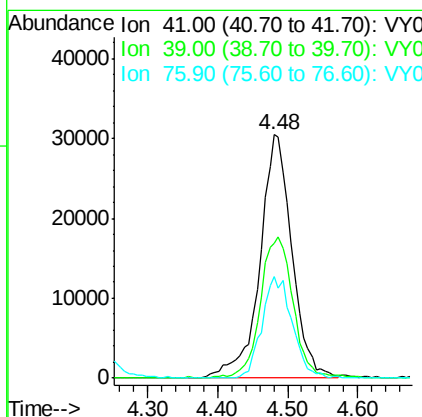
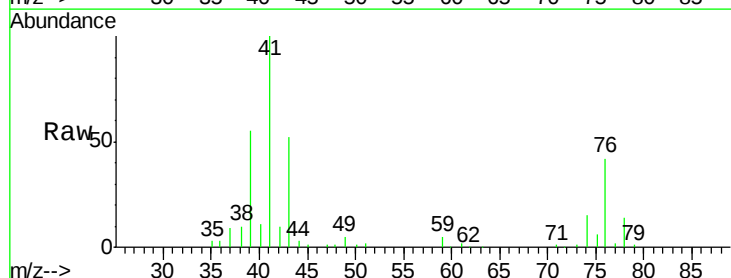
Manual Integrations
APPROVED

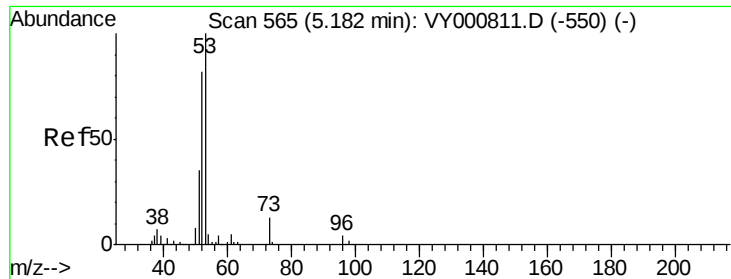
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#14
Allyl chloride
Concen: 18.703 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion: 41 Resp: 97395
Ion Ratio Lower Upper
41 100
39 59.5 49.2 73.8
76 39.2 29.2 43.8





#15

Acrylonitrile

Concen: 101.492 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

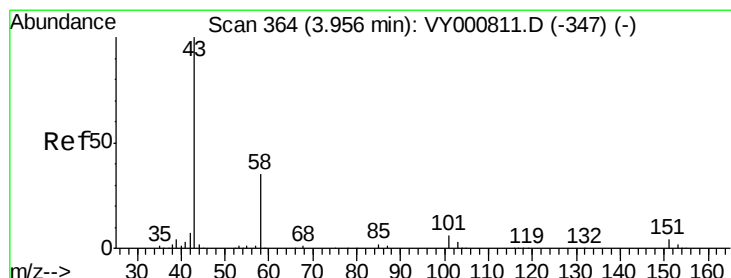
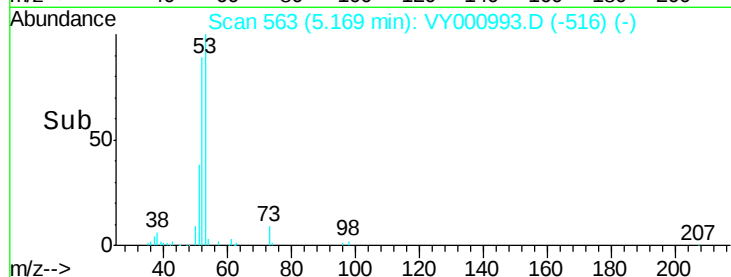
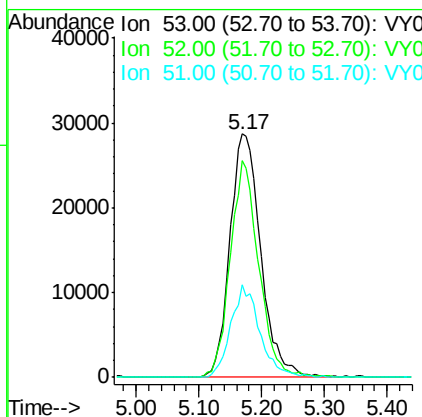
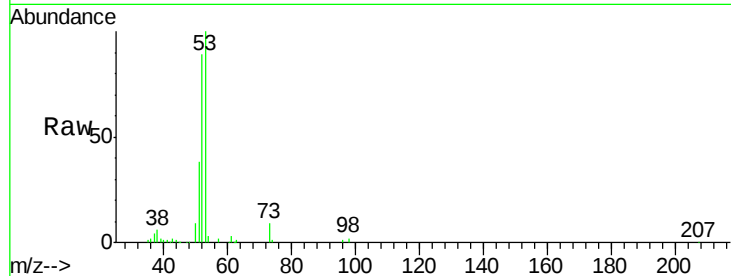
ClientSampleId :

VY1218SBS01

Tot Ion:	53	Resp:	97919
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.1	97.7
51	35.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 100.341 ug/l

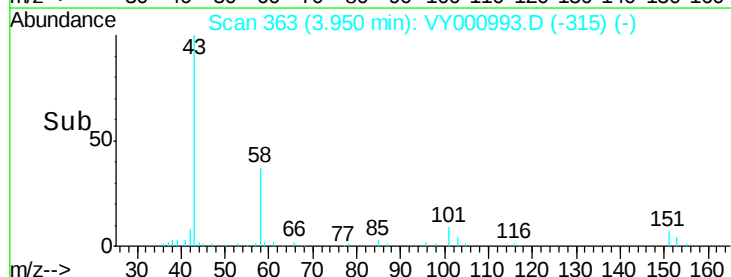
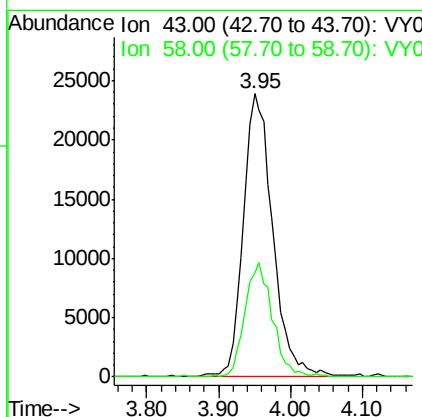
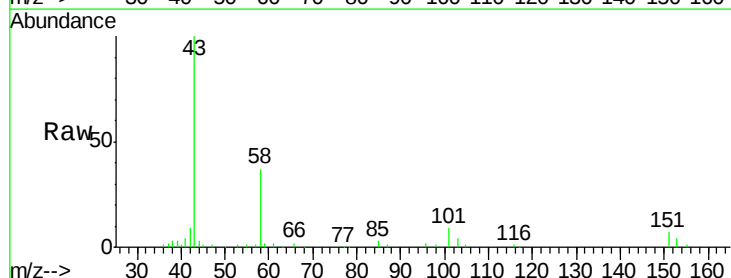
RT: 3.95 min Scan# 363

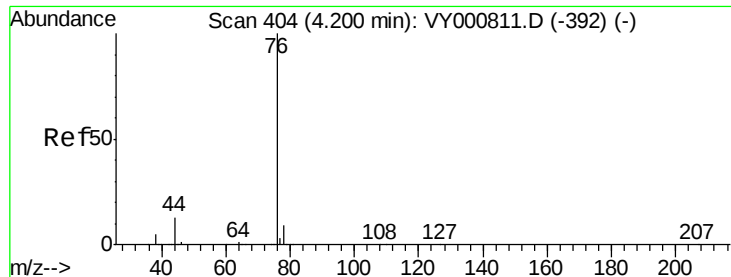
Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	43	Resp:	67747
Ion Ratio	Lower	Upper	
43	100		
58	36.8	28.0	42.0





#17

Carbon Disulfide

Concen: 17.820 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 76 Resp: 175035

Ion Ratio Lower Upper

76 100

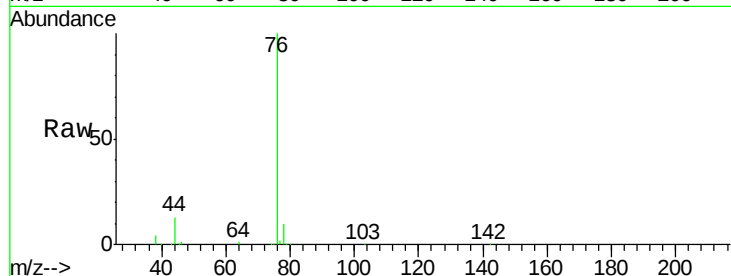
78 9.9 7.3 10.9

Manual Integrations

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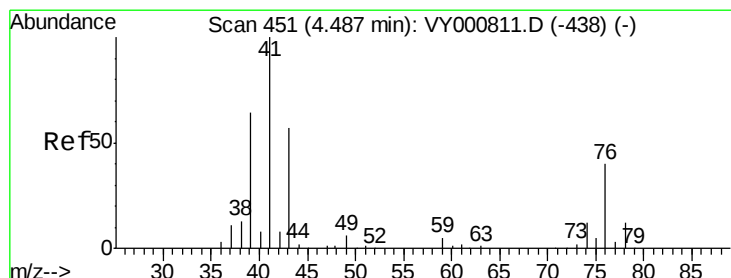
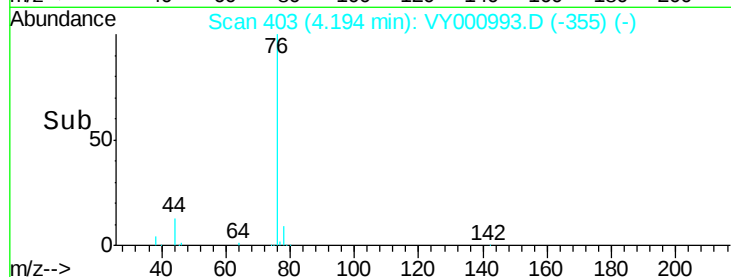
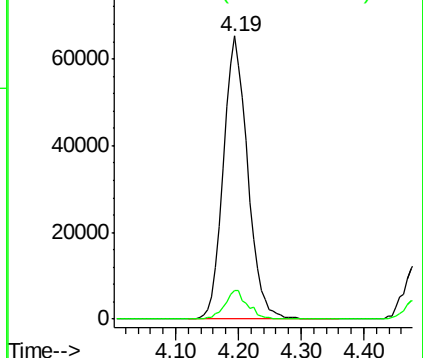
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.711 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000993.D

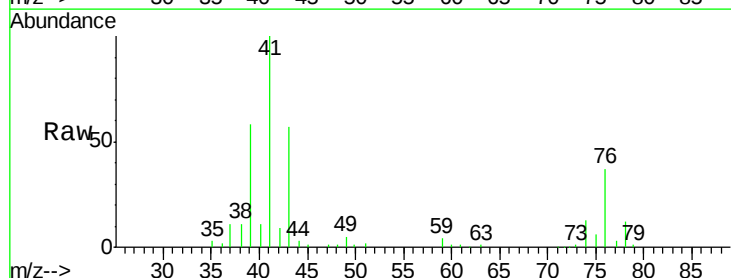
Acq: 18 Dec 2019 12:42

Tgt Ion: 43 Resp: 52823

Ion Ratio Lower Upper

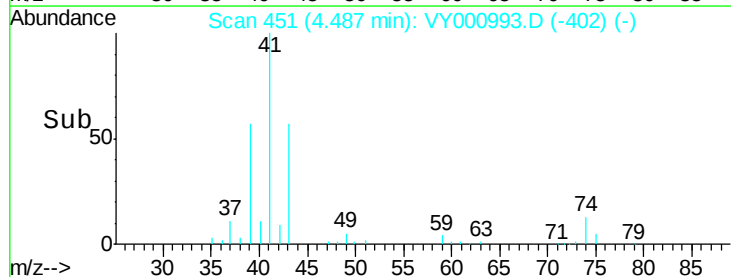
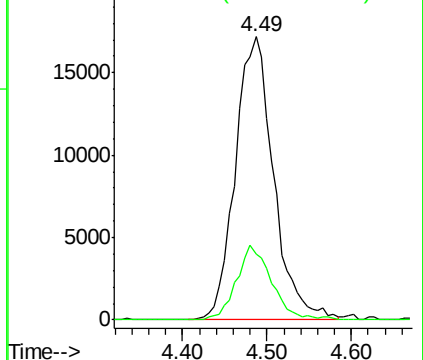
43 100

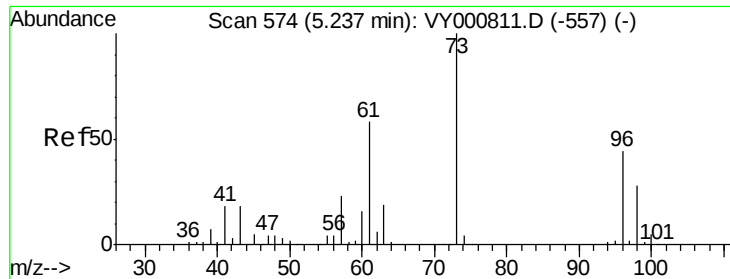
74 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





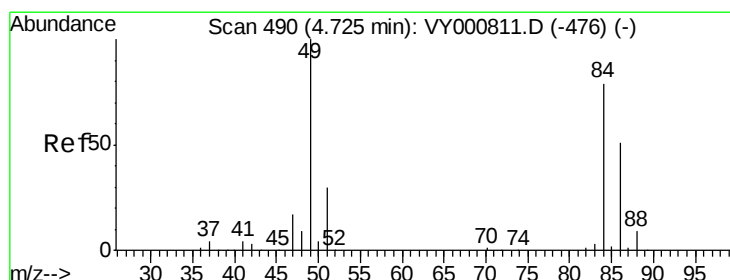
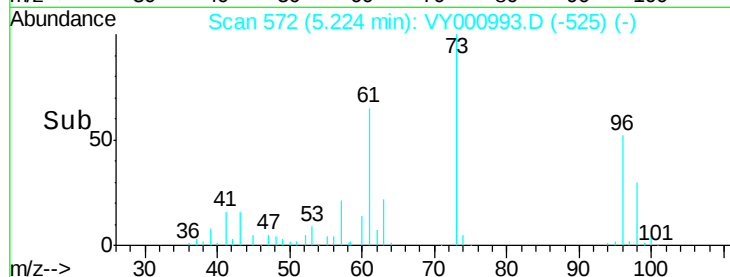
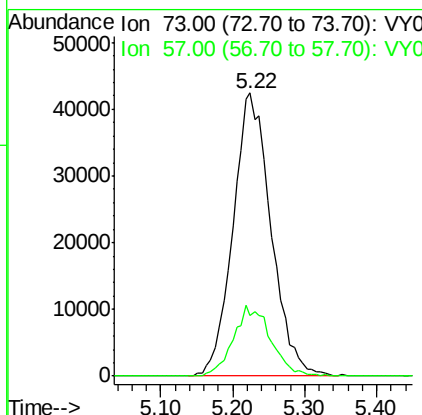
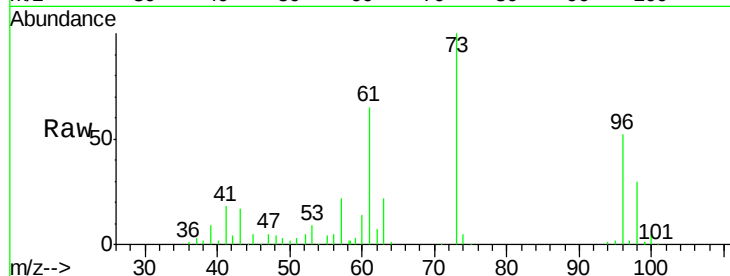
#19
Methyl tert-butyl Ether
Concen: 19.168 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion: 73 Resp: 155463
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.4

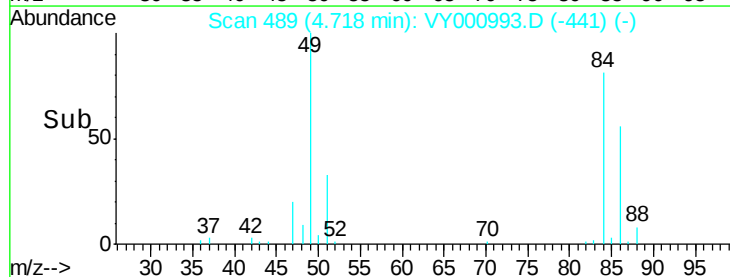
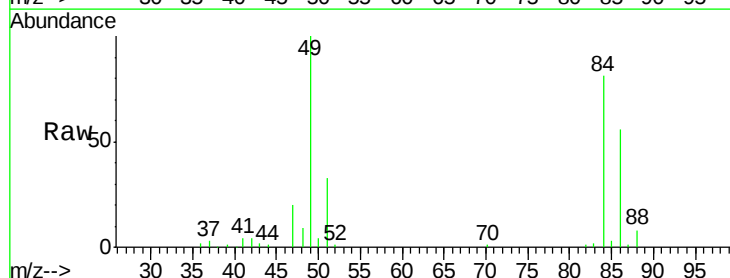
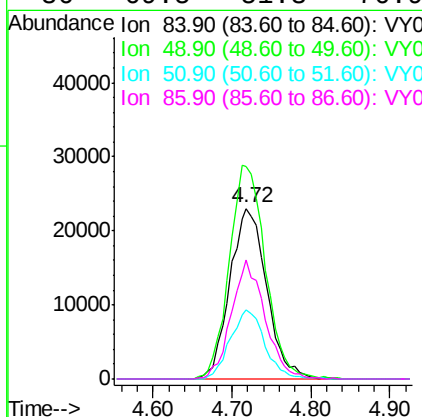
Manual Integrations
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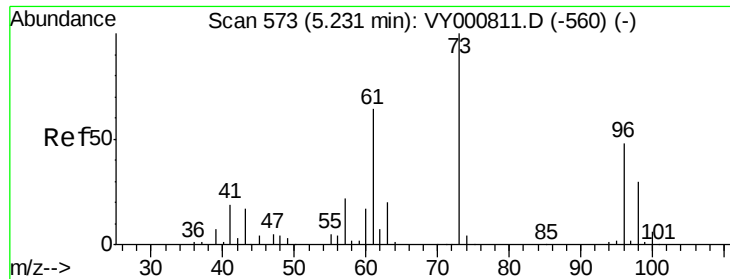
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#20
Methylene Chloride
Concen: 20.953 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion: 84 Resp: 74572
Ion Ratio Lower Upper
84 100
49 124.2 101.3 151.9
51 40.6 30.6 45.8
86 69.5 51.3 76.9





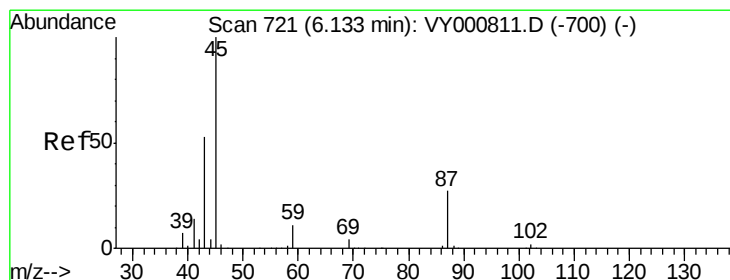
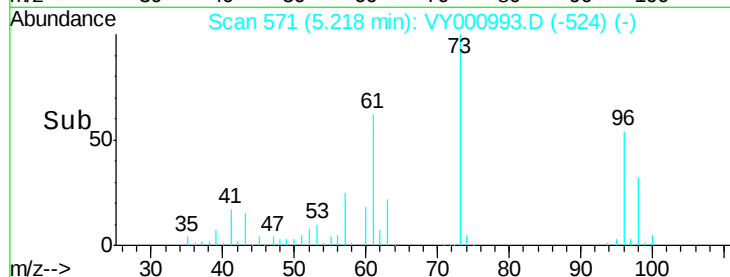
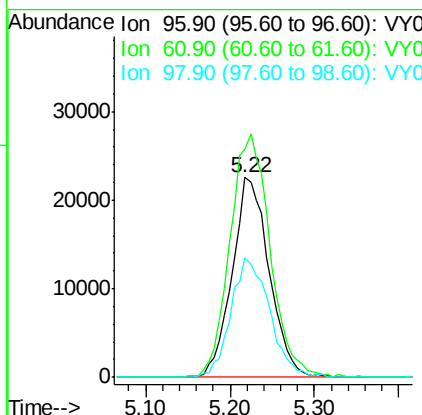
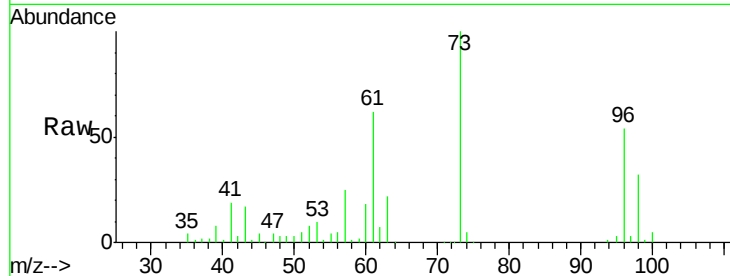
#21
trans-1,2-Dichloroethene
Concen: 19.467 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.5	105.9	158.9
98	59.6	49.4	74.2

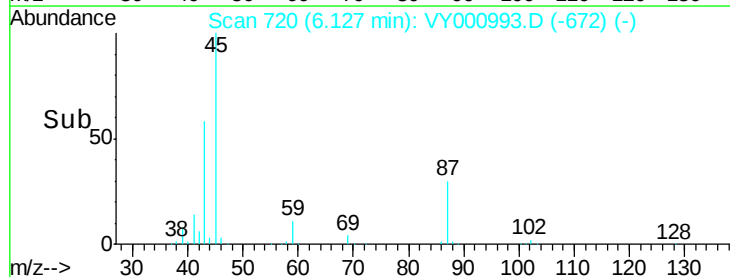
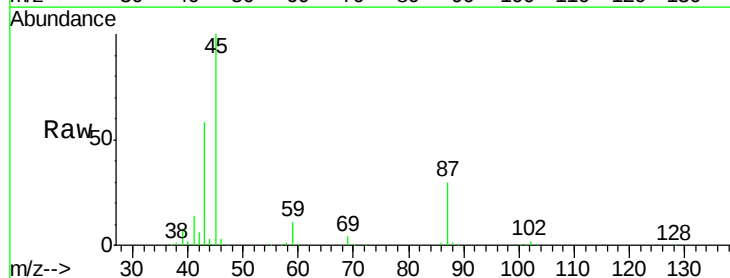
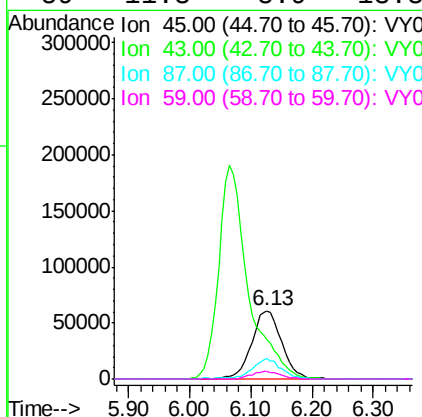
Manual Integrations
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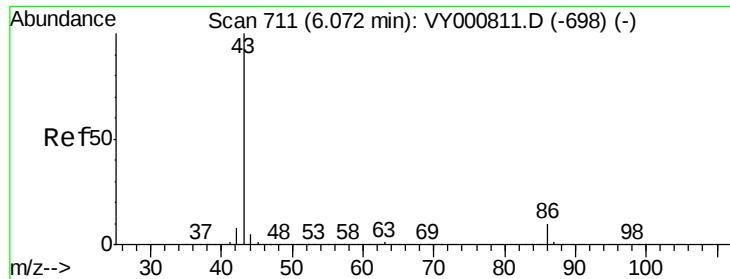
MMDadoda
12/19/2019 11:10:44 AM



#22
Diisopropyl ether
Concen: 19.552 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	42.7	64.1
87	29.5	22.0	33.0
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 98.468 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 640696

Ion Ratio Lower Upper

43 100

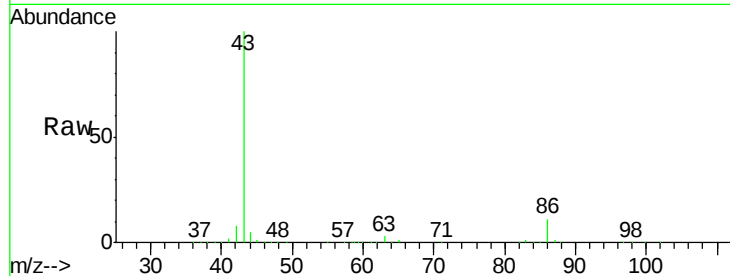
86 10.6 8.3 12.5

Manual Integrations

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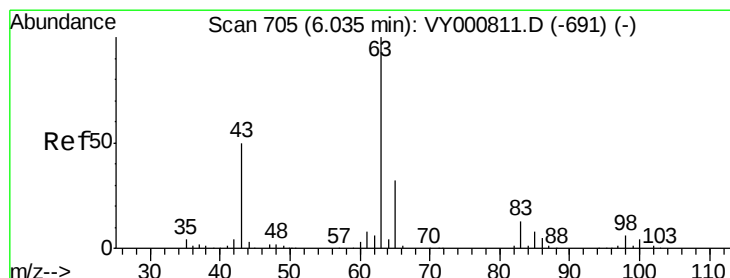
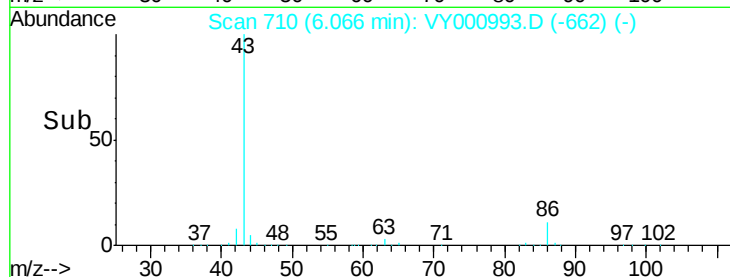
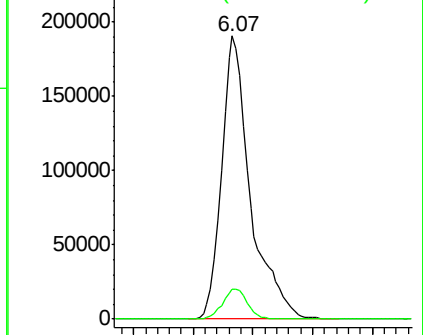
MMDadoda

12/19/2019 11:10:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.427 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

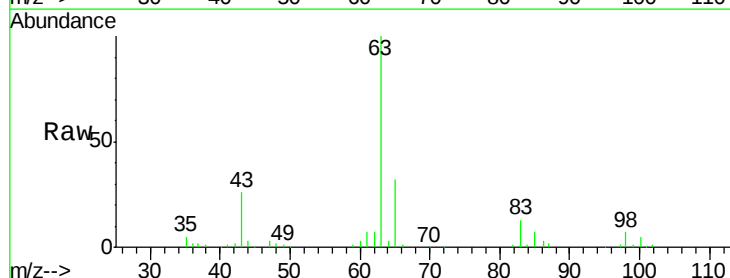
Tgt Ion: 63 Resp: 114598

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

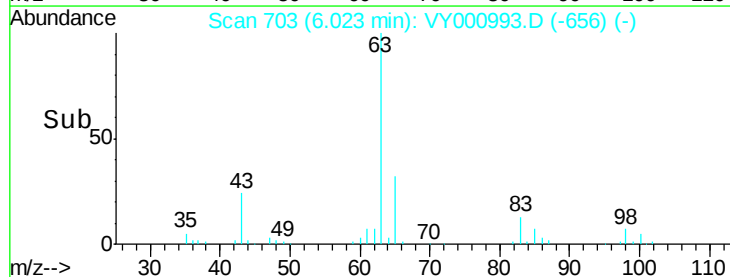
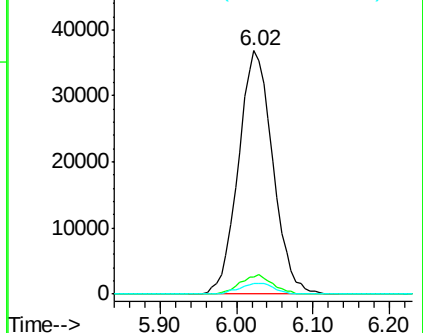
100 4.5 2.2 6.6

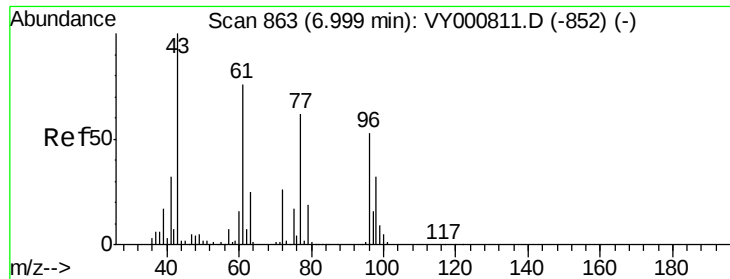


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 95.970 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 119695

Ion Ratio Lower Upper

43 100

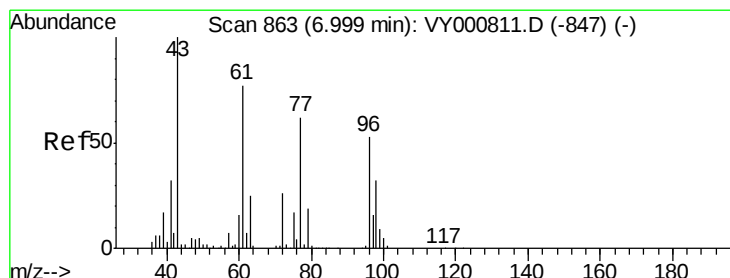
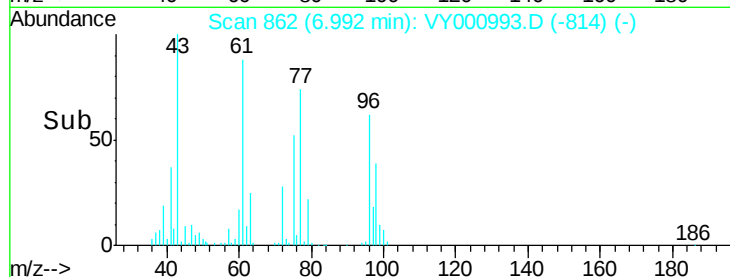
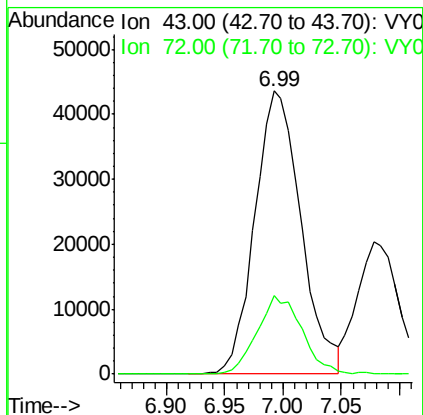
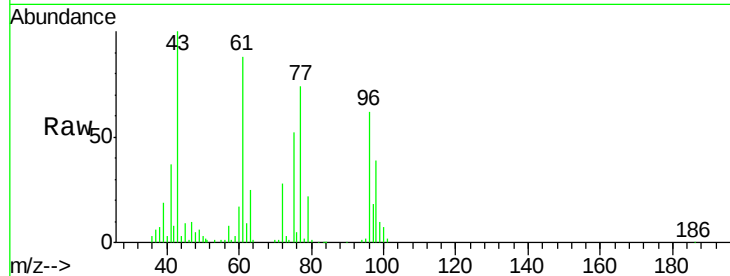
72 27.6 21.0 31.4

Manual Integrations

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MMDadoda

12/19/2019 11:10:44 AM



#26

2,2-Dichloropropane

Concen: 19.127 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000993.D

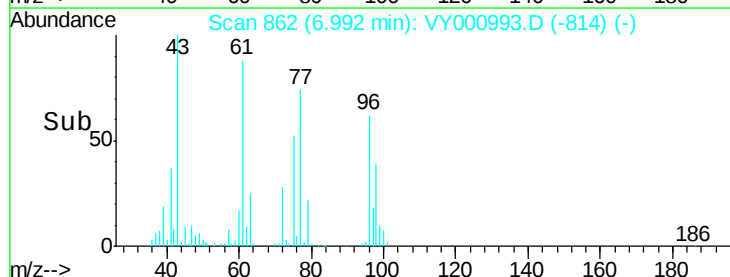
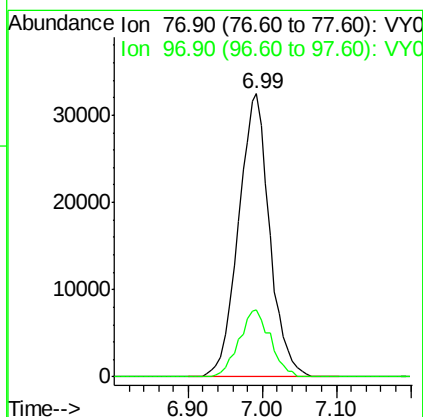
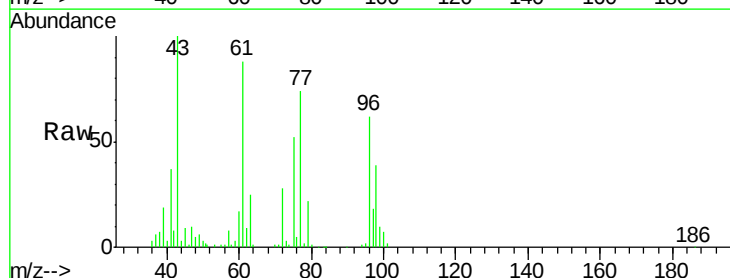
Acq: 18 Dec 2019 12:42

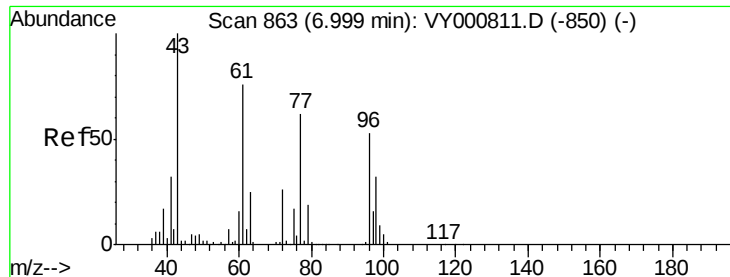
Tgt Ion: 77 Resp: 94965

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

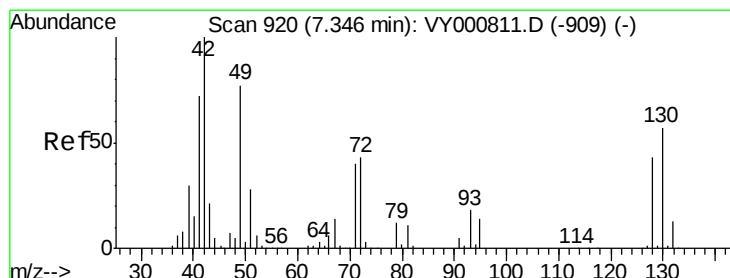
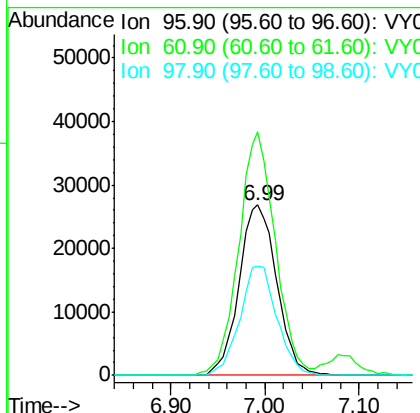
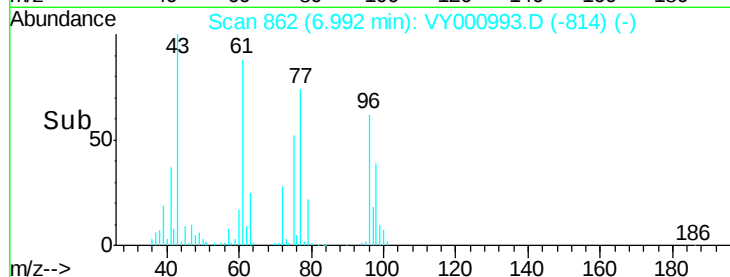
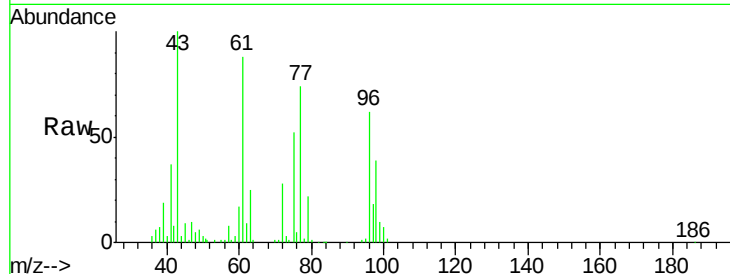
cis-1,2-Dichloroethene
Concen: 20.092 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	285.0
98	62.9	0.0	128.0

Manual Integrations
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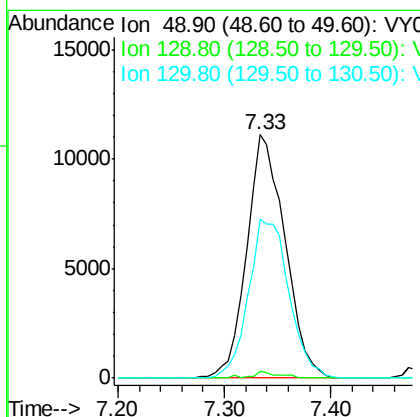
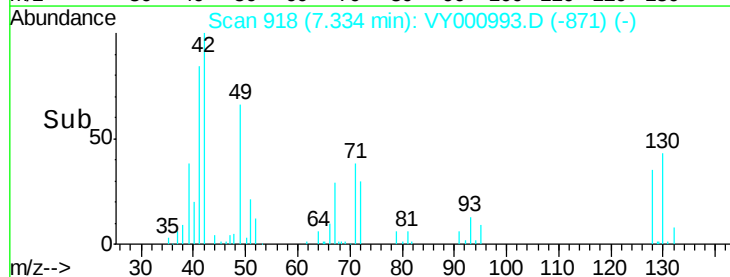
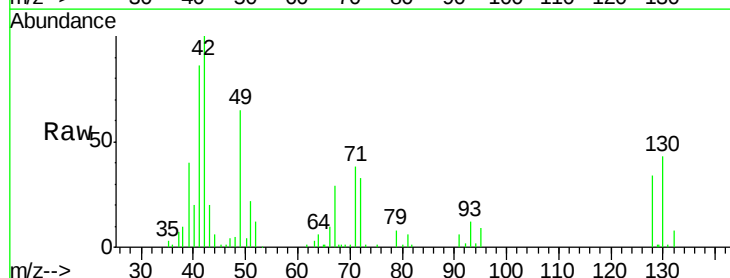
MMDadoda
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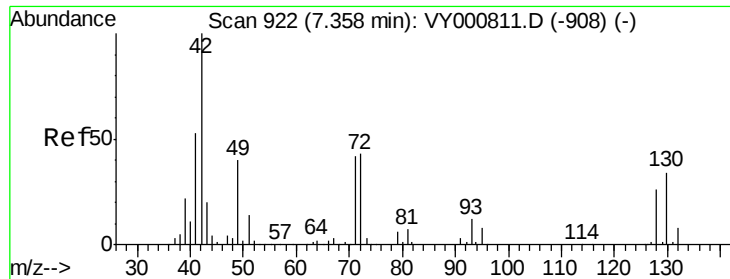


#28

Bromochloromethane
Concen: 14.441 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	68.9	58.7	88.1





#29

Tetrahydrofuran

Concen: 98.329 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

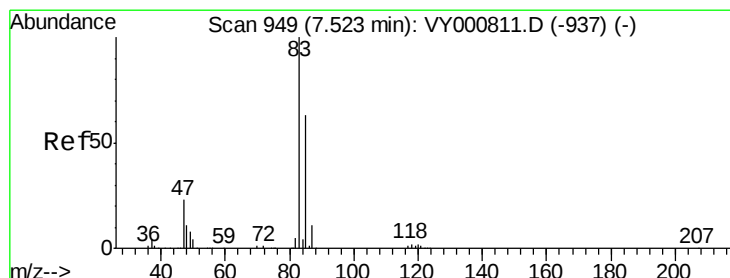
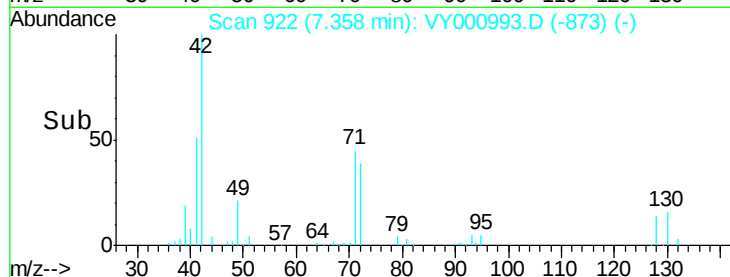
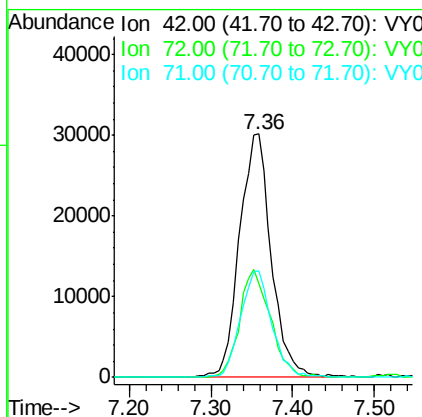
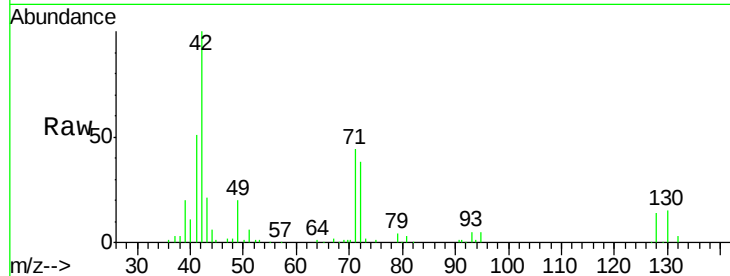
ClientSampleId :

VY1218SBS01

Tot Ion:	42	Resp:	81266
Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.1	52.7
71	43.0	32.8	49.2

Manual Integrations
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#30

Chloroform

Concen: 18.473 ug/l

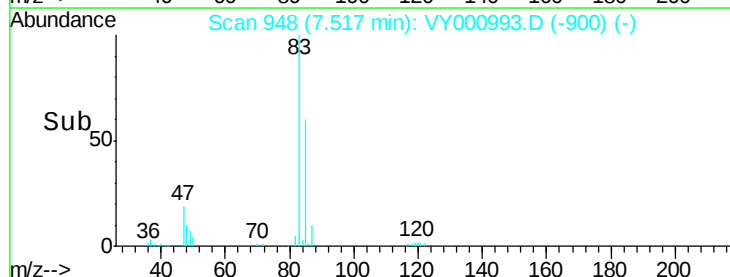
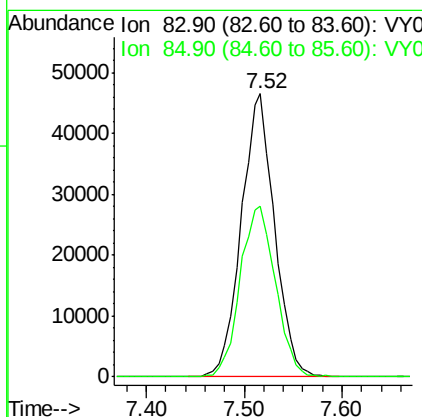
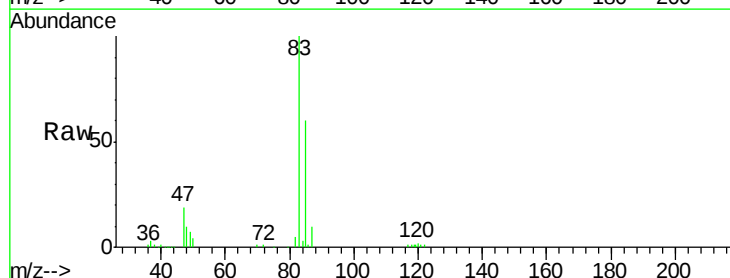
RT: 7.52 min Scan# 948

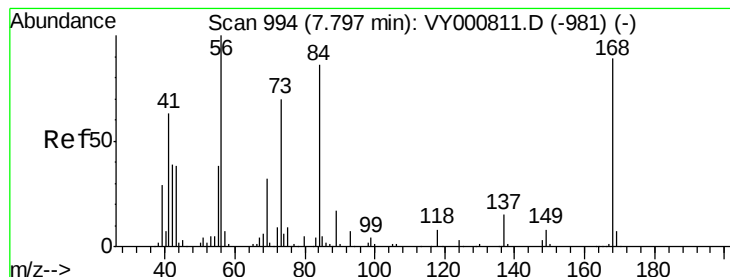
Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	83	Resp:	109317
Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.4	75.6





#31

Cyclohexane

Concen: 18.624 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 56 Resp: 116382

Ion Ratio Lower Upper

56 100

69 38.1 25.9 38.9

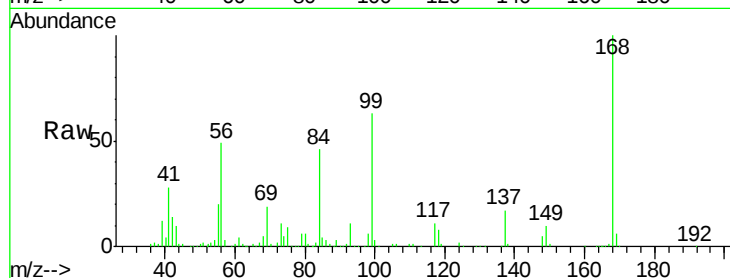
84 92.2 68.6 102.8

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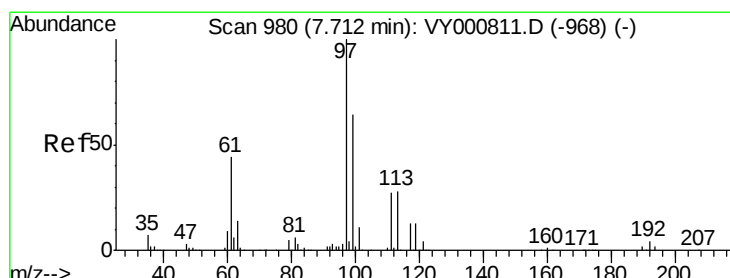
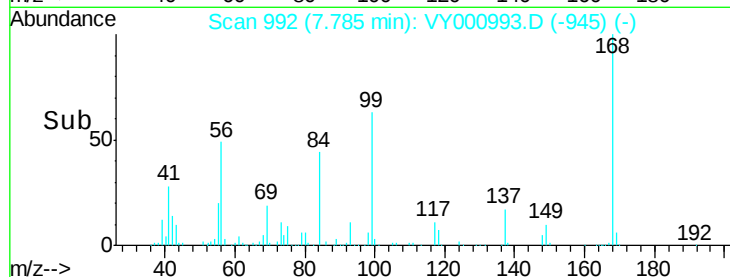
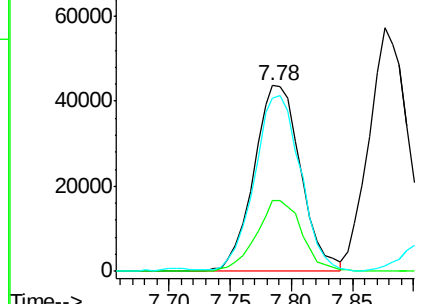
12/19/2019 11:10:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.289 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

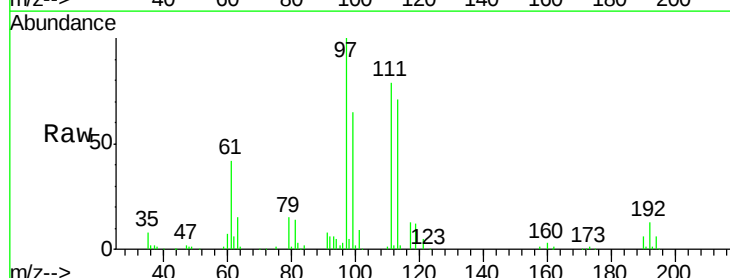
Tgt Ion: 97 Resp: 94255

Ion Ratio Lower Upper

97 100

99 61.9 51.7 77.5

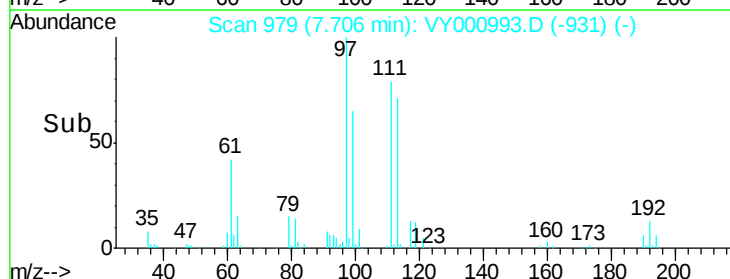
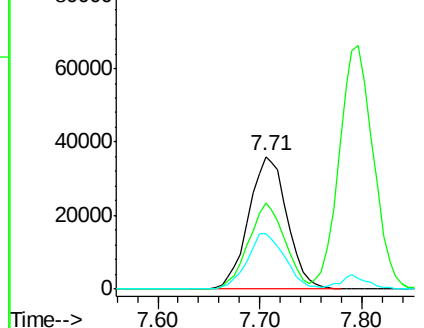
61 41.6 35.0 52.6

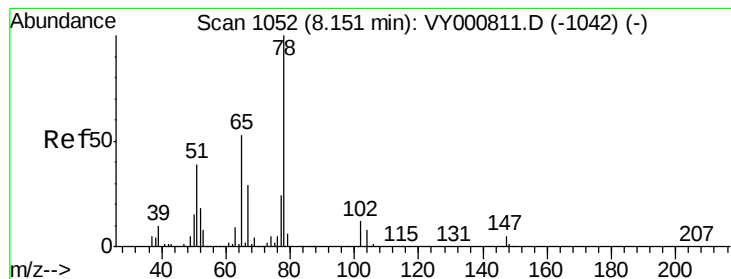


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 47.216 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 65 Resp: 138965

Ion Ratio Lower Upper

65 100

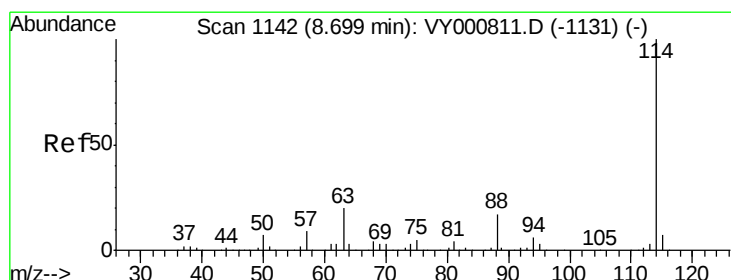
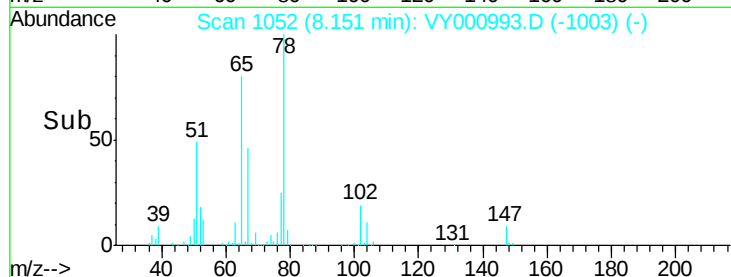
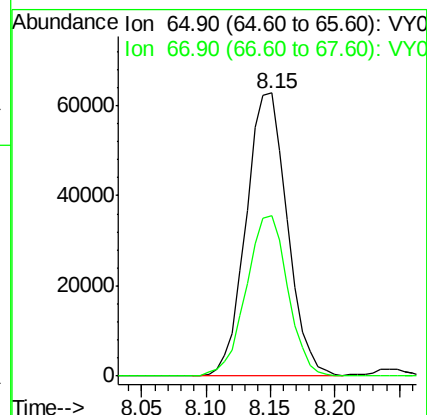
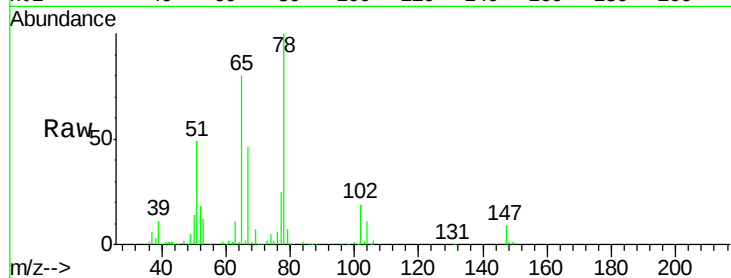
67 57.3 0.0 112.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

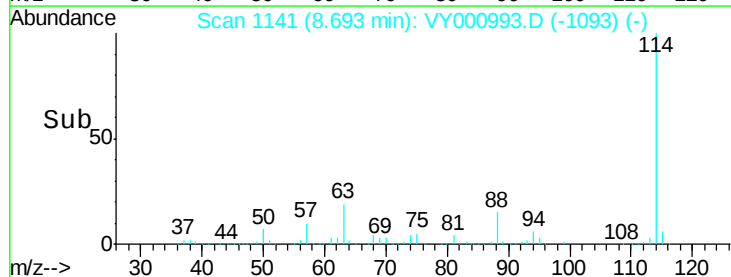
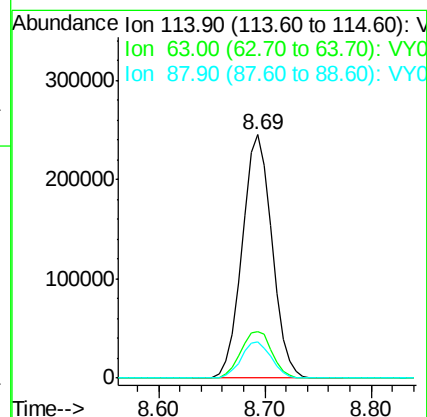
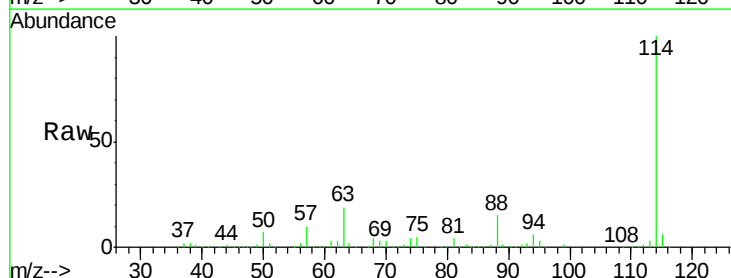
Tgt Ion: 114 Resp: 482194

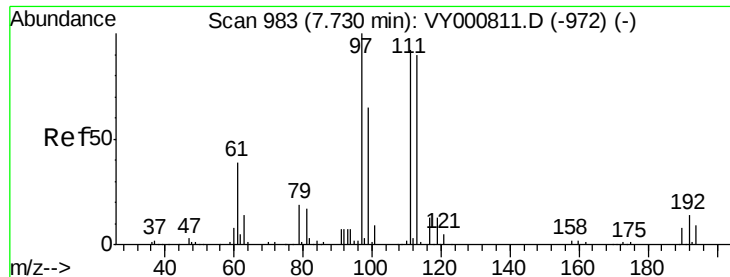
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.402 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

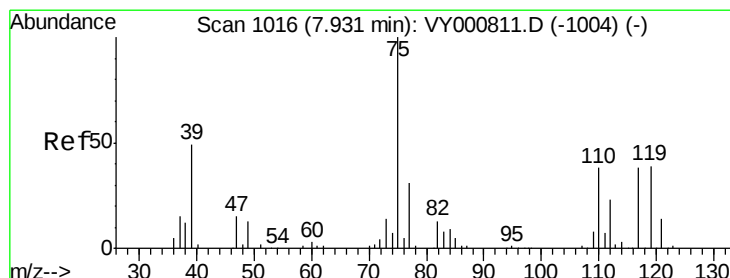
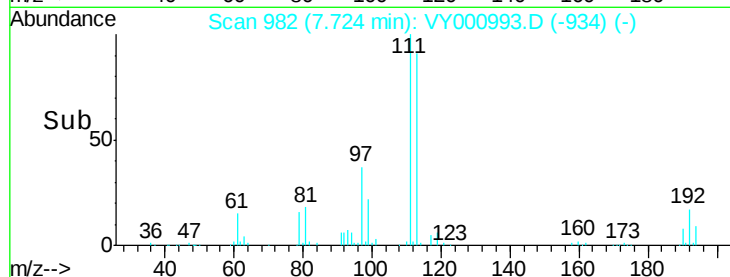
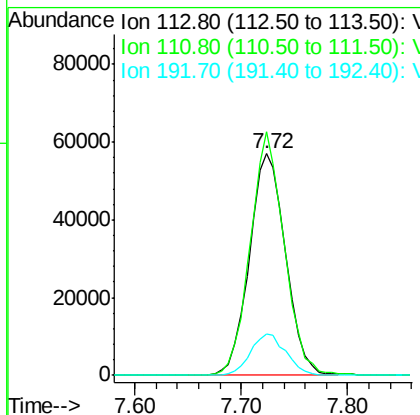
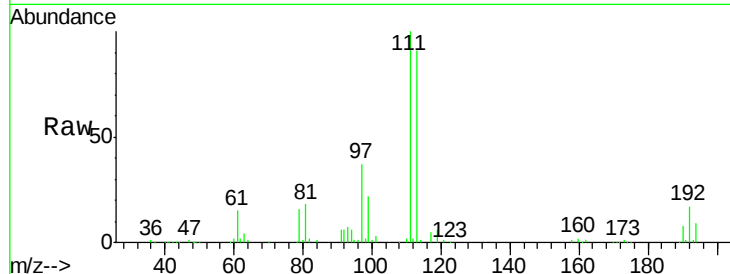
ClientSampleId :

VY1218SBS01

Tot Ion:	113	Resp:	136021
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.4	123.6
192	18.5	14.2	21.2

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#36

1,1-Dichloropropene

Concen: 18.893 ug/l

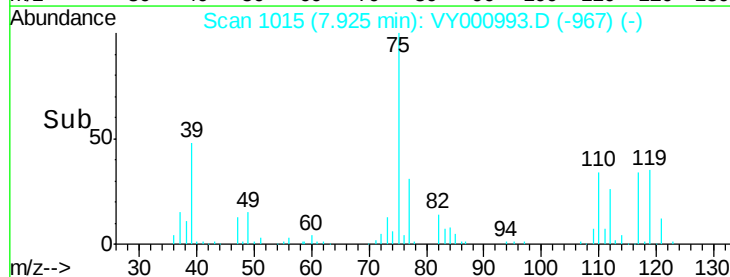
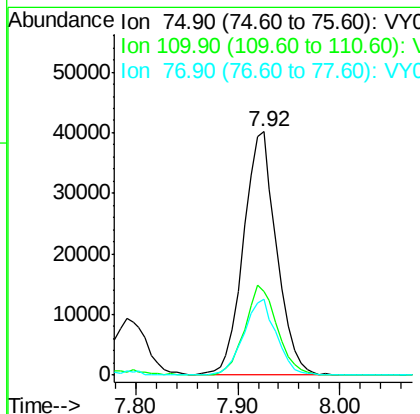
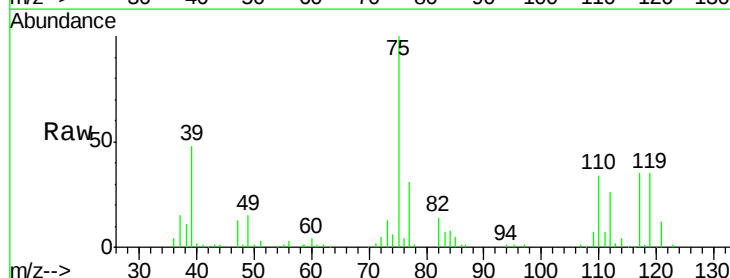
RT: 7.92 min Scan# 1015

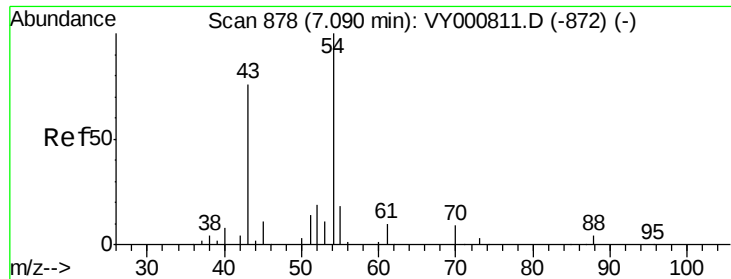
Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	75	Resp:	90580
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.9	53.7
77	30.7	24.7	37.1





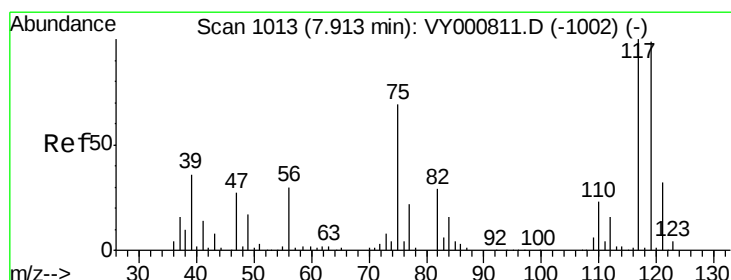
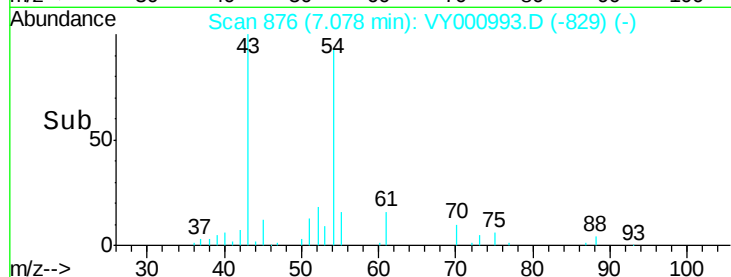
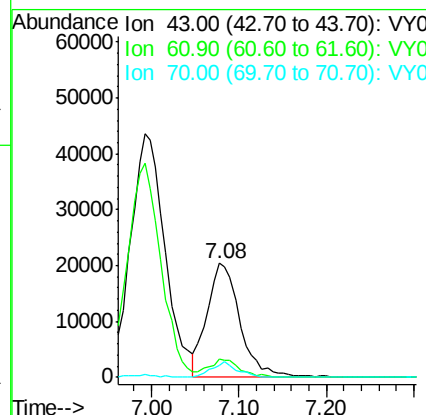
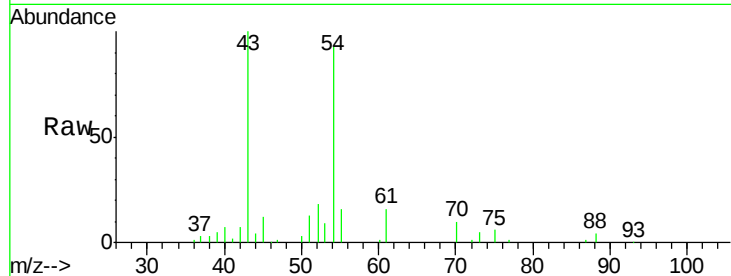
#37
Ethyl Acetate
Concen: 19.207 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.7	8.7	13.1

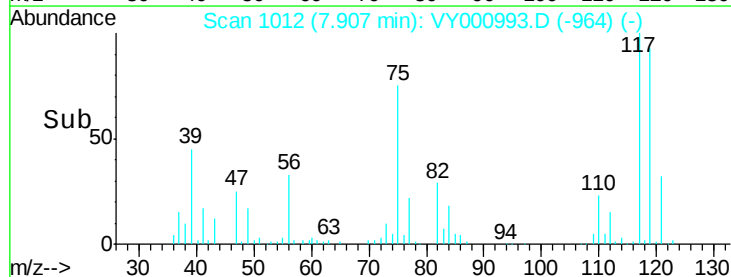
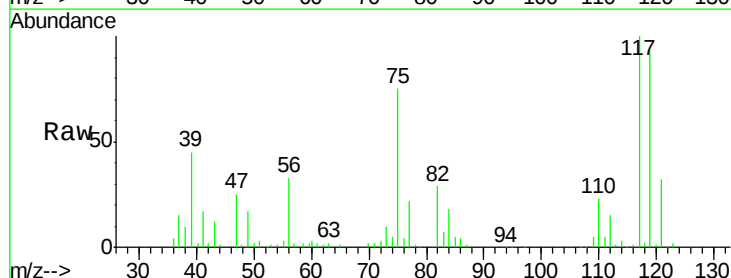
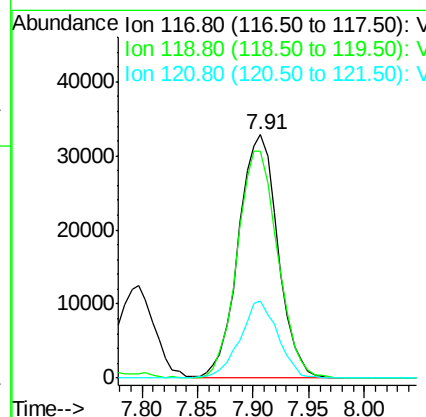
Manual Integrations
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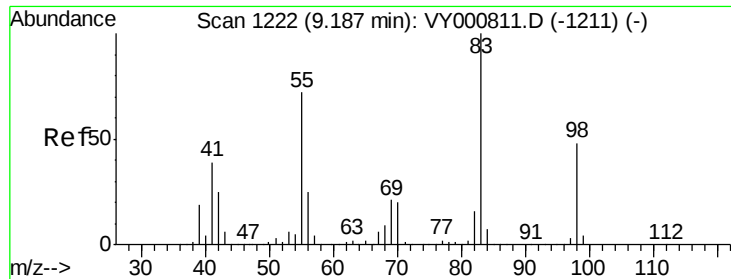
MMDadoda
12/19/2019 11:10:44 AM



#38
Carbon Tetrachloride
Concen: 18.937 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.3	118.9
121	32.0	25.5	38.3





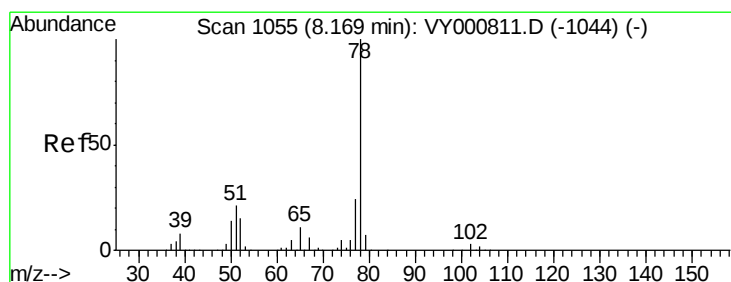
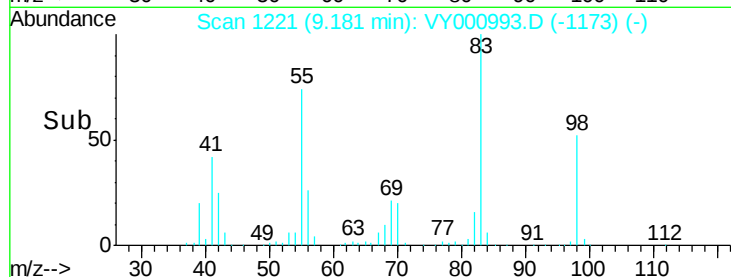
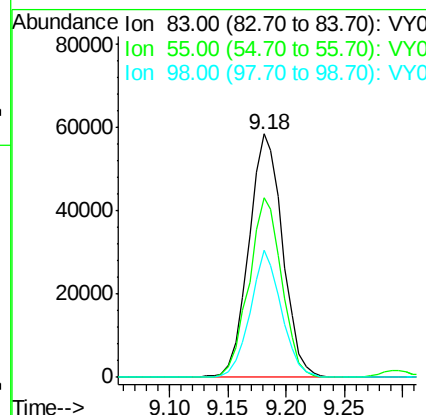
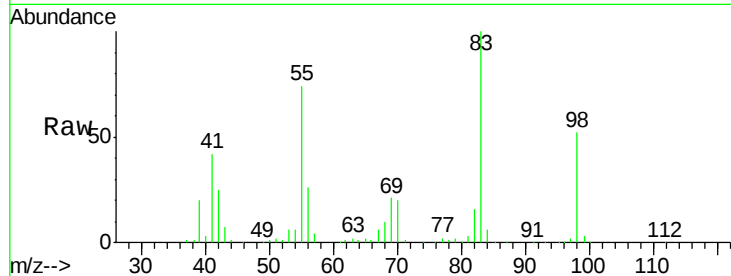
#39
Methylvlcyclohexane
Concen: 18.617 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	118255		
55	74.0		57.8	86.6
98	52.3		38.6	58.0

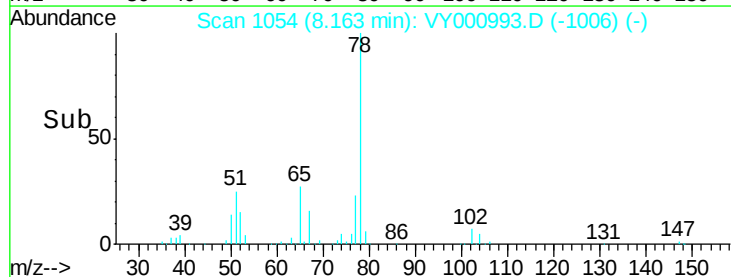
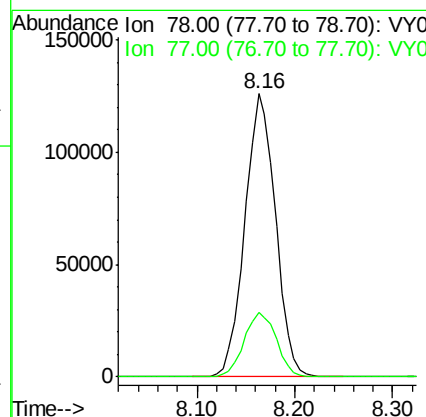
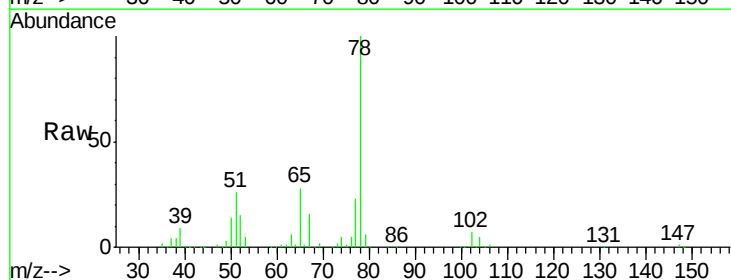
Manual Integrations
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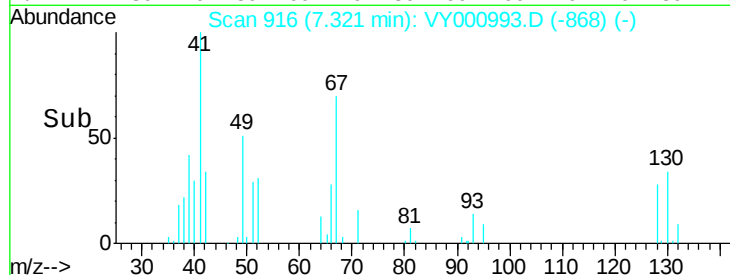
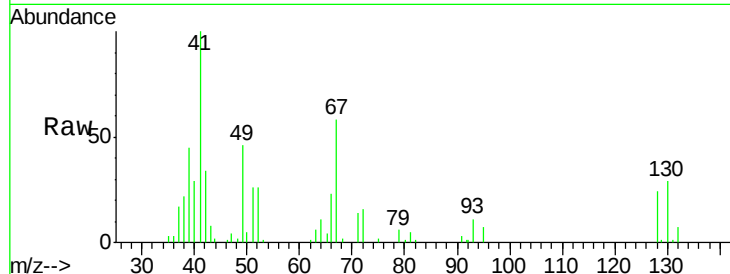
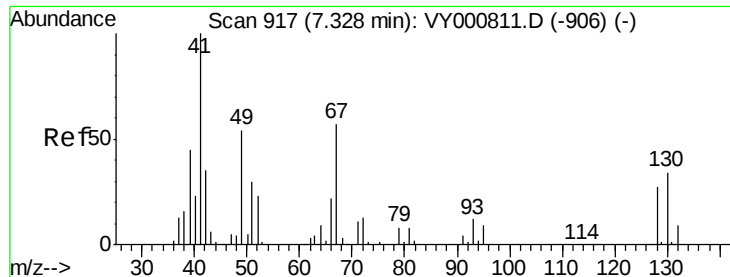
MMDadoda
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#40
Benzene
Concen: 19.614 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	273918		
77	22.7		19.2	28.8





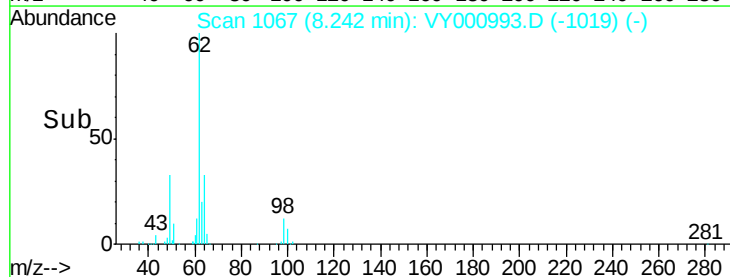
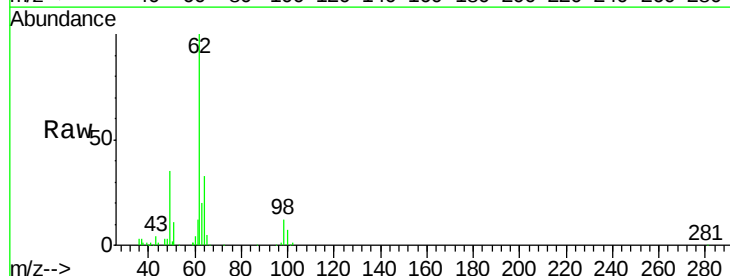
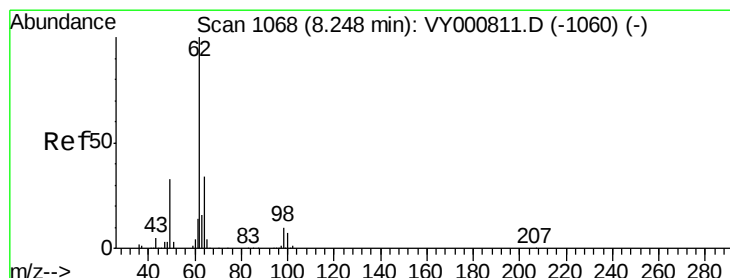
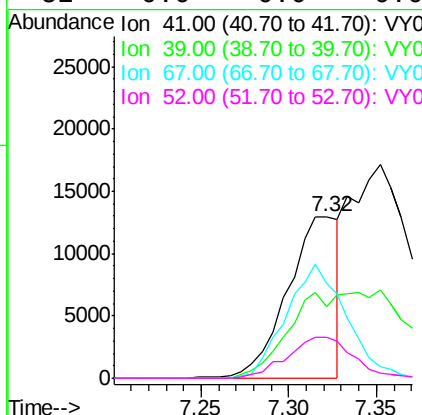
#41
Methacrylonitrile
Concen: 18.159 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tot Ion	41	Resp	26495
Ion Ratio	Lower	Upper	
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

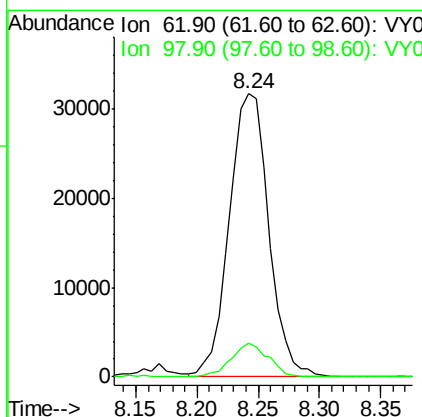
Manual Integrations
APPROVED

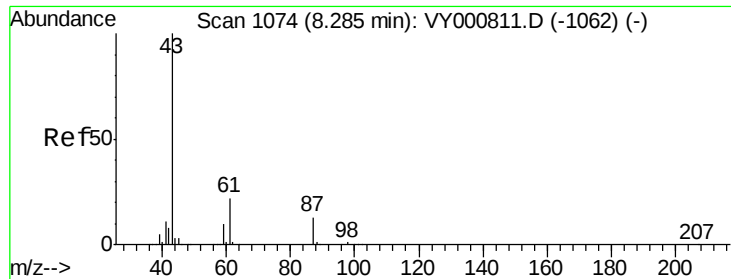
MMDadoda
12/19/2019 11:10:44 AM



#42
1,2-Dichloroethane
Concen: 19.315 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	62	Resp	70941
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	21.4





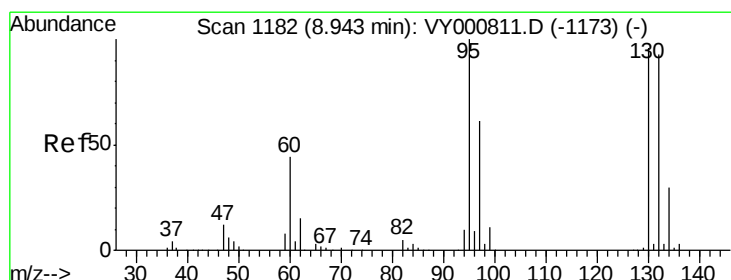
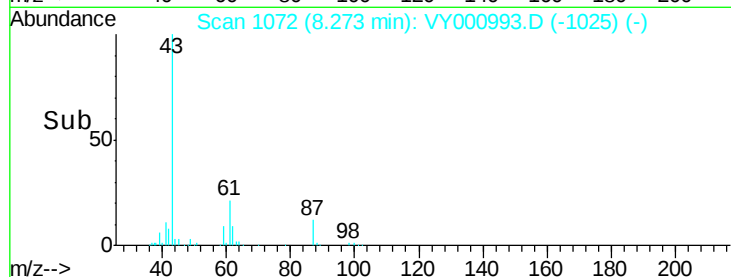
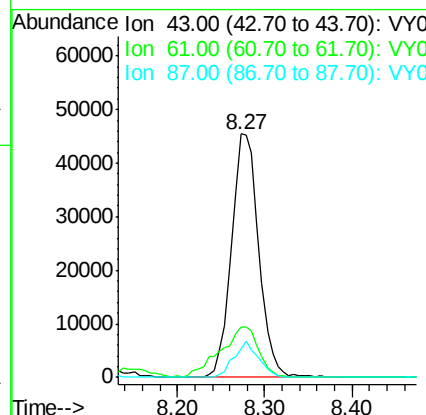
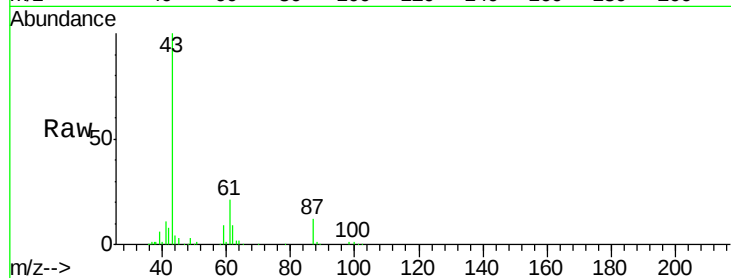
#43
Isopropyl Acetate
Concen: 18.911 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.7	35.5
87	13.4	10.6	15.8

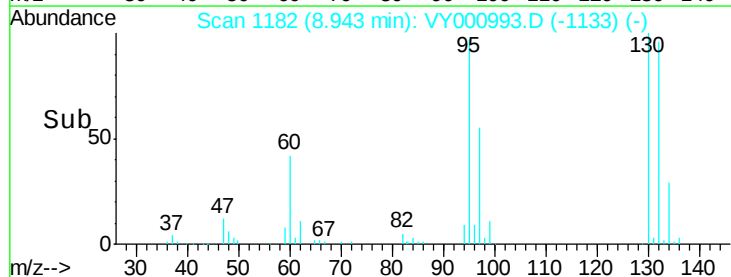
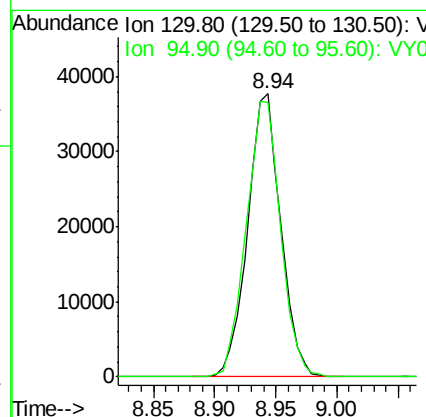
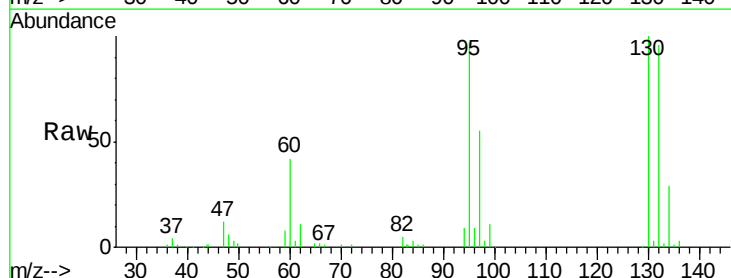
Manual Integrations
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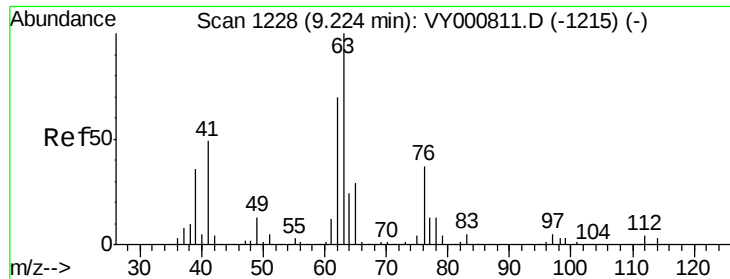
MMDadoda
12/19/2019 11:10:44 AM



#44
Trichloroethene
Concen: 19.741 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	207.8





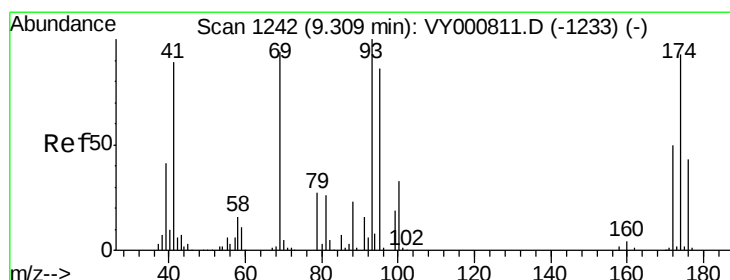
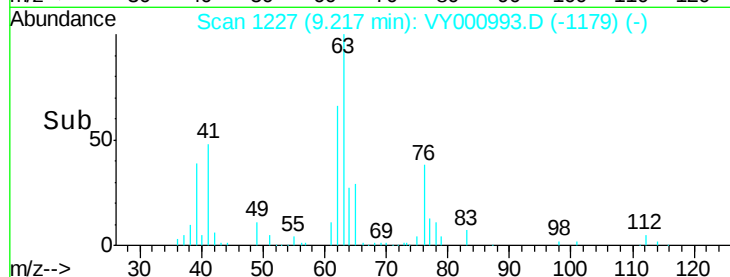
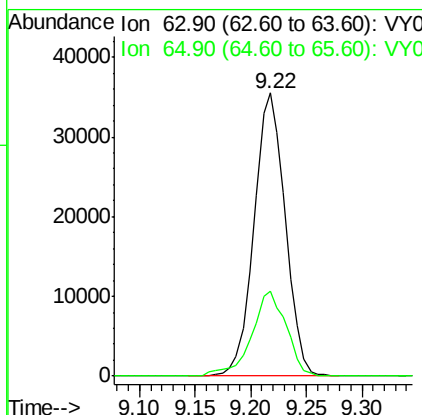
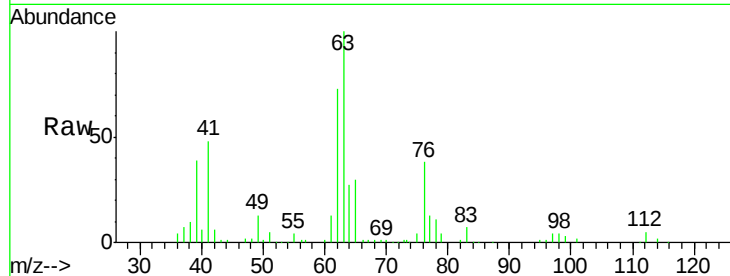
#45
 1,2-Dichloropropane
 Concen: 19.800 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion: 63 Resp: 69456
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.2 34.8

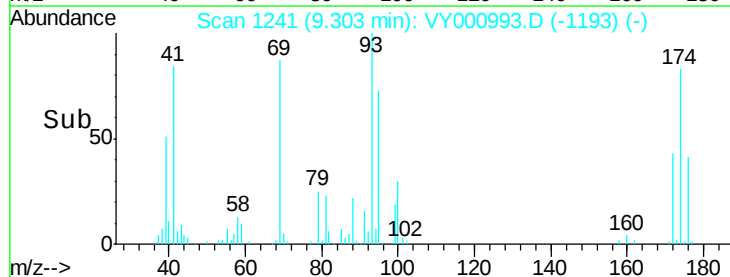
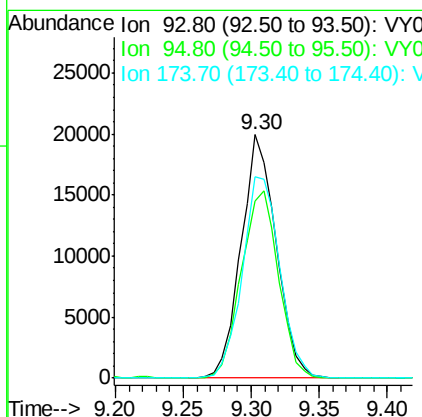
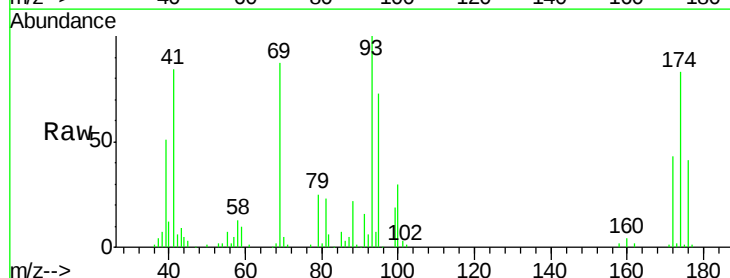
Manual Integrations
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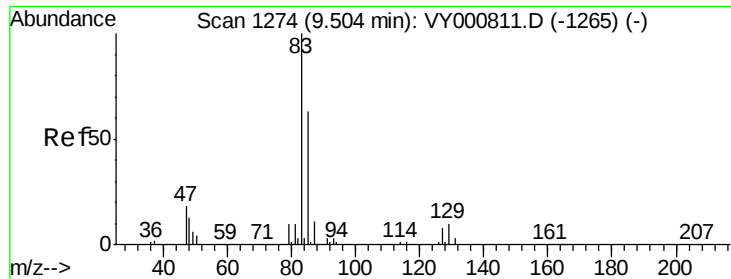
MMDadoda
 12/19/2019 11:10:44 AM



#46
 Dibromomethane
 Concen: 19.695 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion: 93 Resp: 36098
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.4 99.6
 174 88.4 73.0 109.6





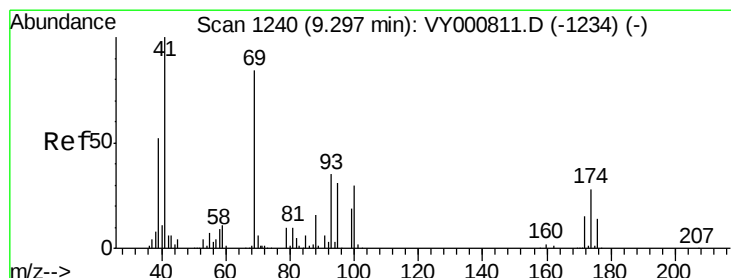
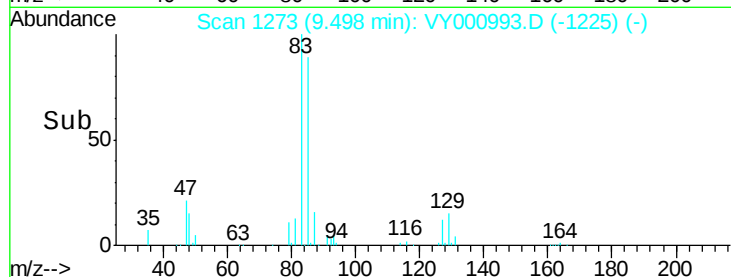
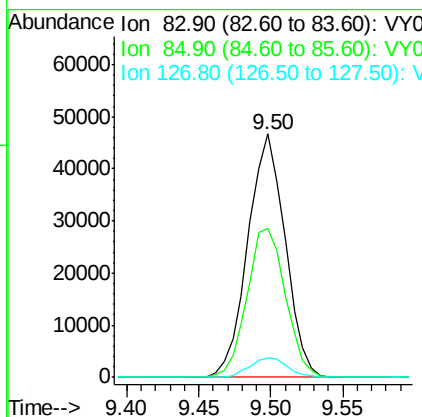
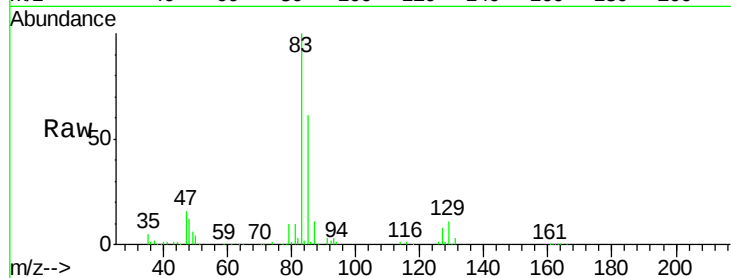
#47
Bromodichloromethane
Concen: 19.345 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	83294		
85	61.3	50.8	76.2	
127	8.2	6.6	10.0	

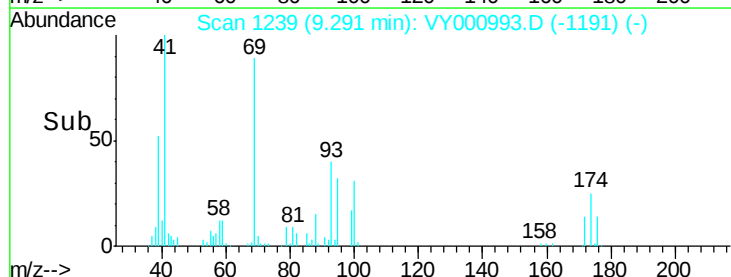
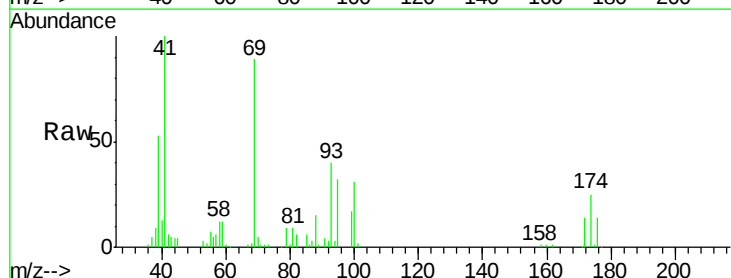
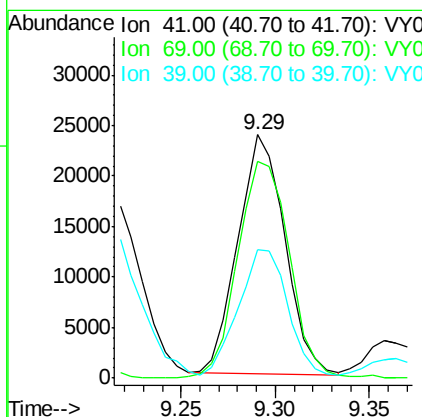
Manual Integrations
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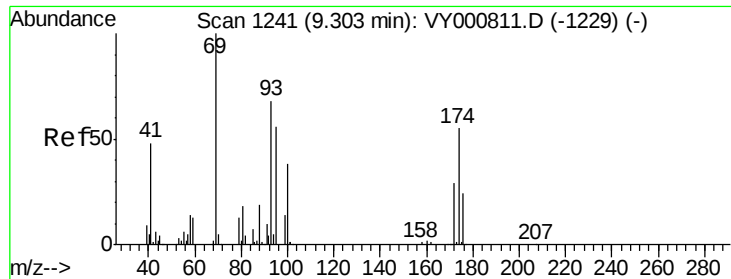
MMDadoda
12/19/2019 11:10:44 AM



#48
Methyl methacrylate
Concen: 17.929 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41130		
69	99.4	70.4	105.6	
39	57.2	40.9	61.3	





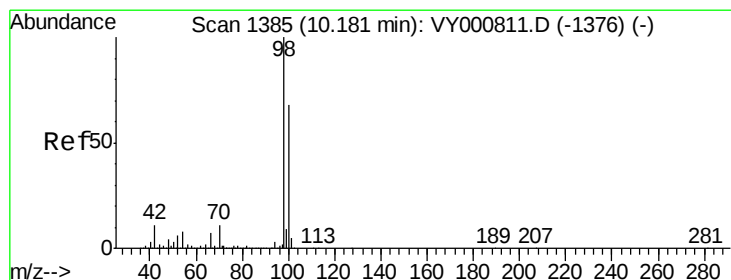
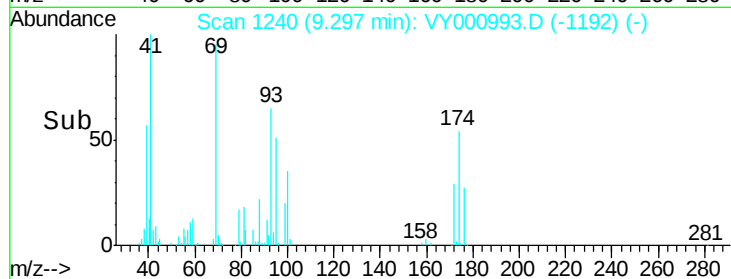
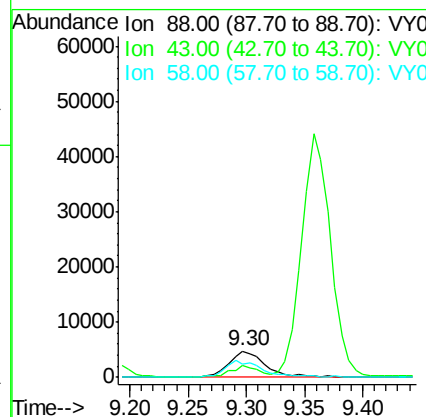
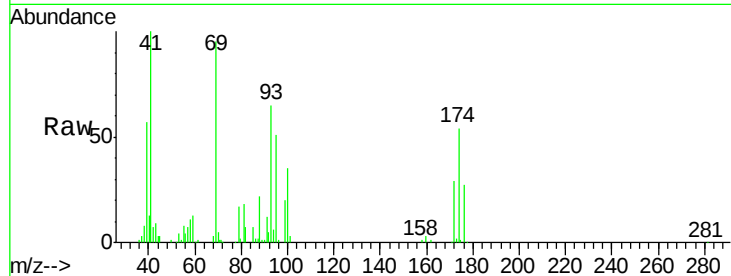
#49
1,4-Dioxane
Concen: 395.843 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	88	Resp	10280
Ion Ratio	Lower	Upper	
88	100		
43	35.9	21.1	31.7#
58	66.5	50.7	76.1

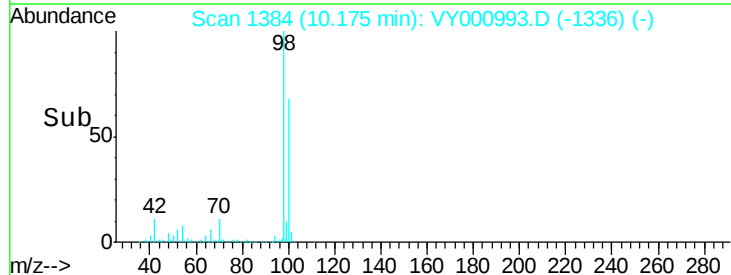
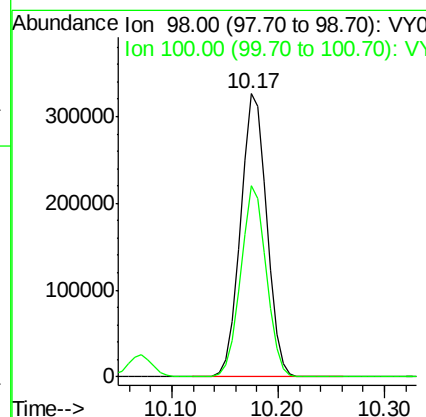
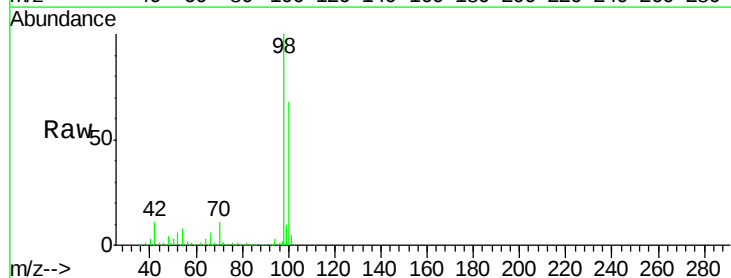
Manual Integrations
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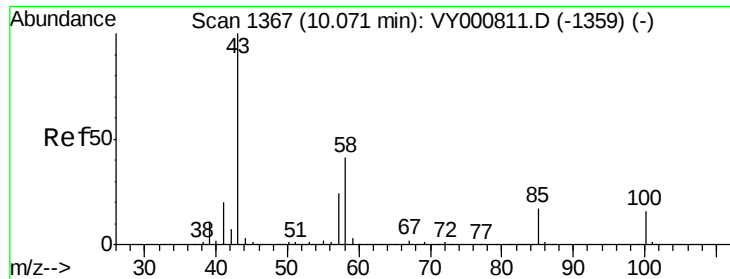
MMDadoda
12/19/2019 11:10:44 AM



#50
Toluene-d8
Concen: 50.161 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	98	Resp	563566
Ion Ratio	Lower	Upper	
98	100		
100	66.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 98.742 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 266158

Ion Ratio Lower Upper

43 100

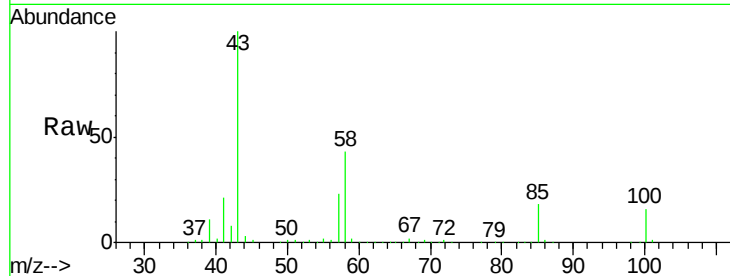
58 42.2 33.1 49.7

Manual Integrations

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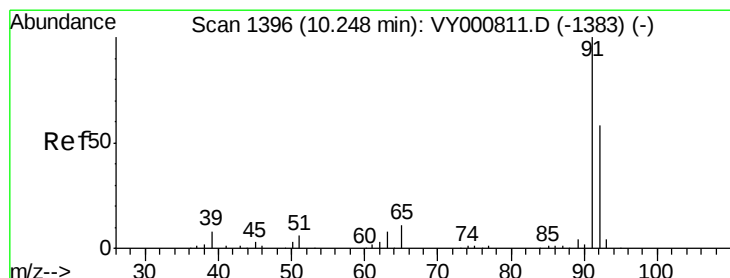
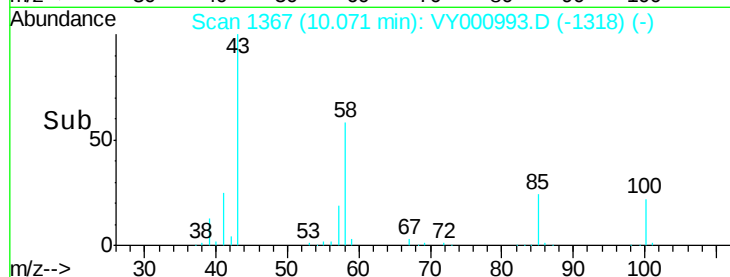
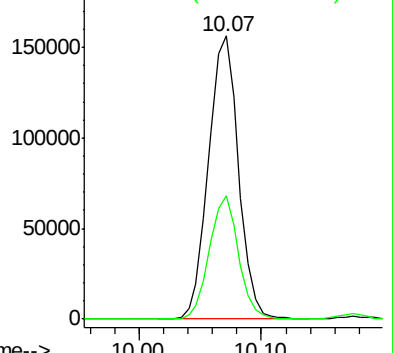
MMDadoda

12/19/2019 11:10:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.498 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000993.D

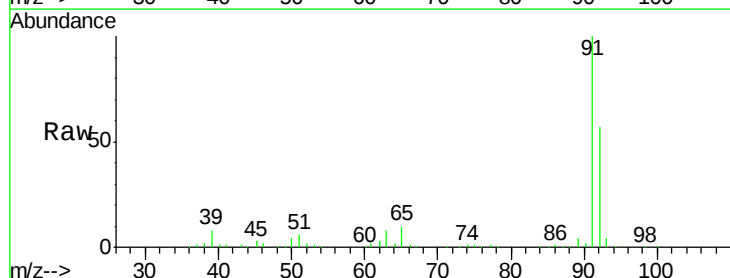
Acq: 18 Dec 2019 12:42

Tgt Ion: 92 Resp: 168594

Ion Ratio Lower Upper

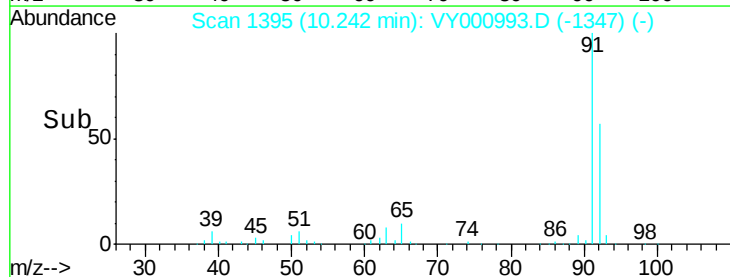
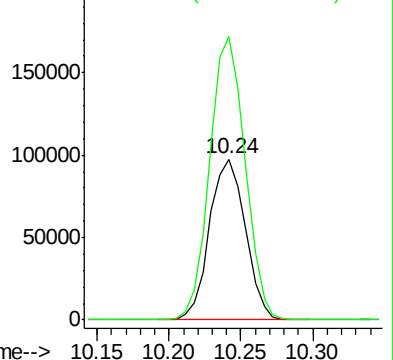
92 100

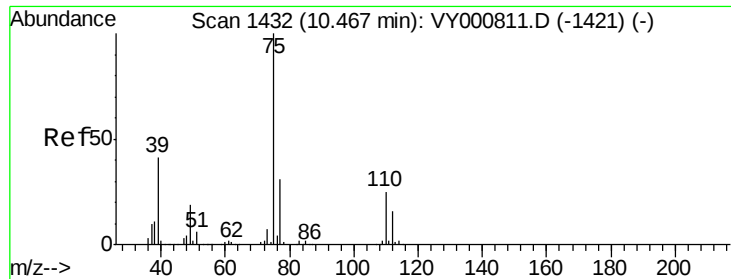
91 173.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





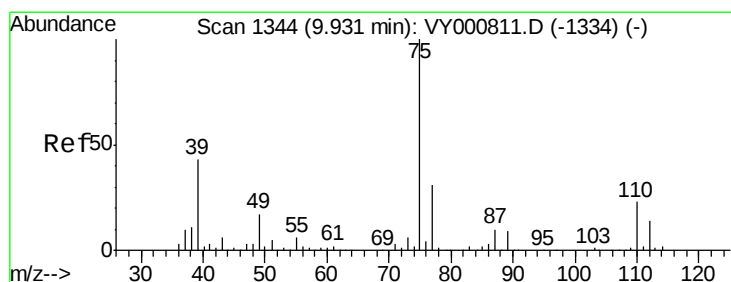
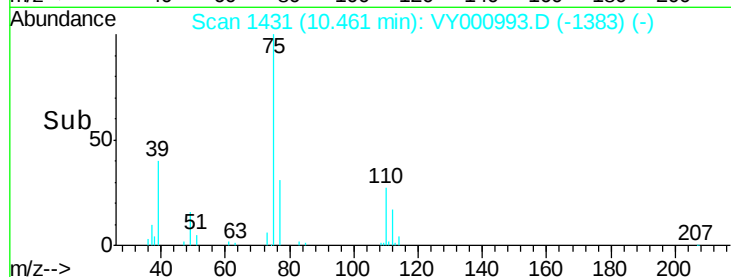
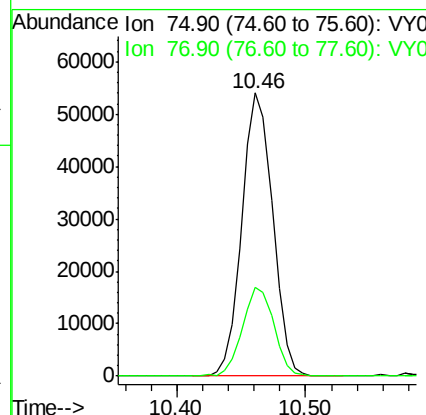
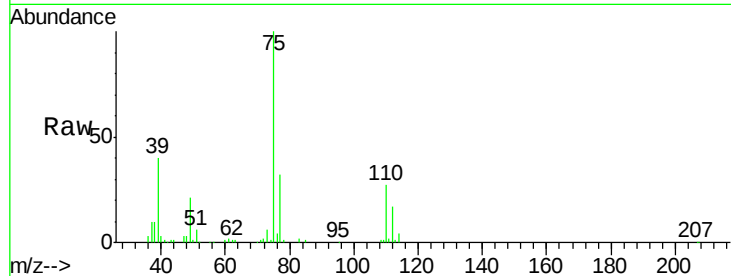
#53
t-1,3-Dichloropropene
Concen: 19.332 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

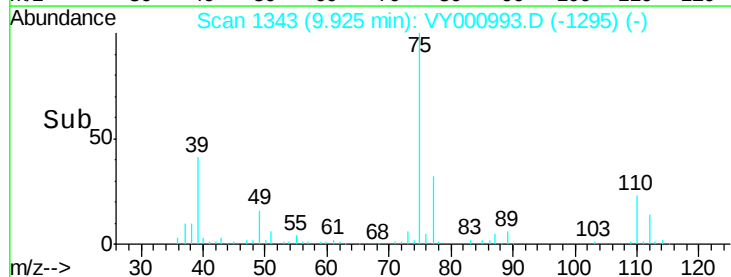
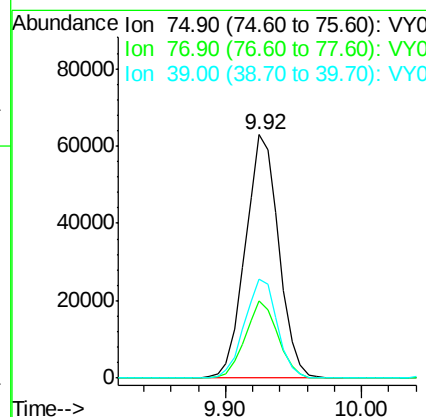
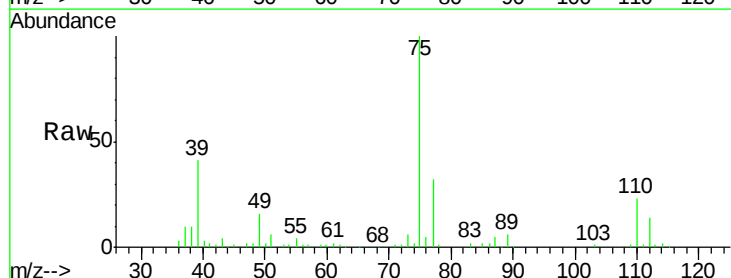
Manual Integrations
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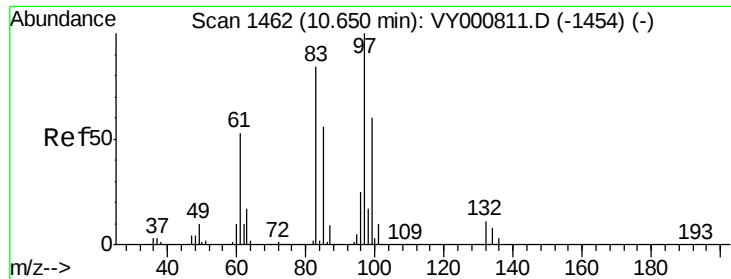
MMDadoda
12/19/2019 11:10:44 AM



#54
cis-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	40.7	34.5	51.7





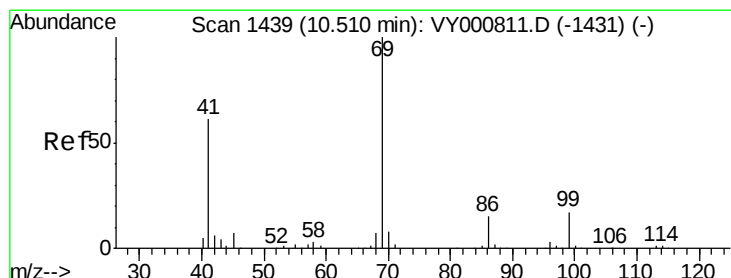
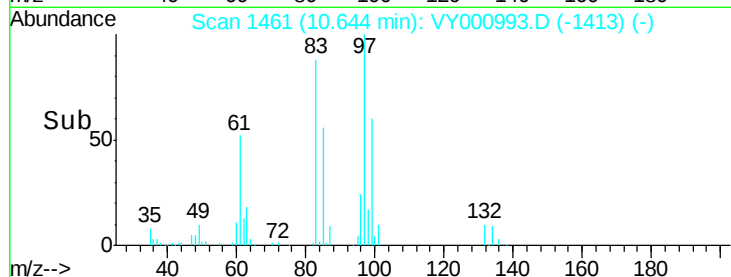
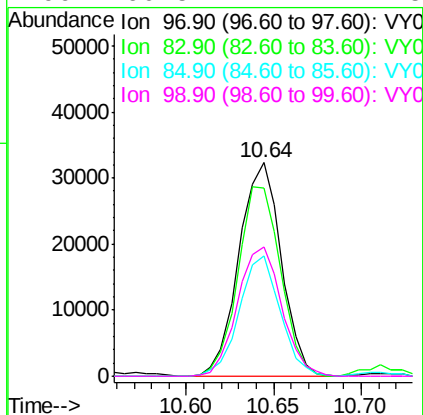
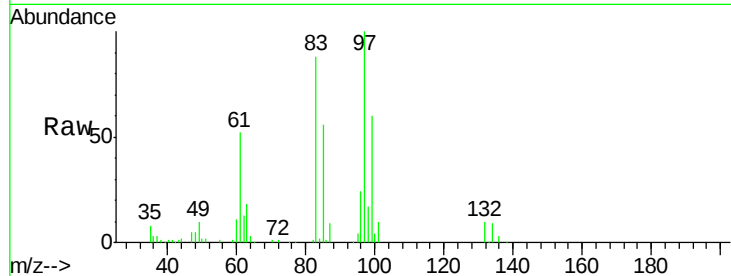
#55
 1,1,2-Trichloroethane
 Concen: 20.109 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		54452		
83	88.4	67.5	101.3		
85	56.3	44.5	66.7		
99	60.5	47.7	71.5		

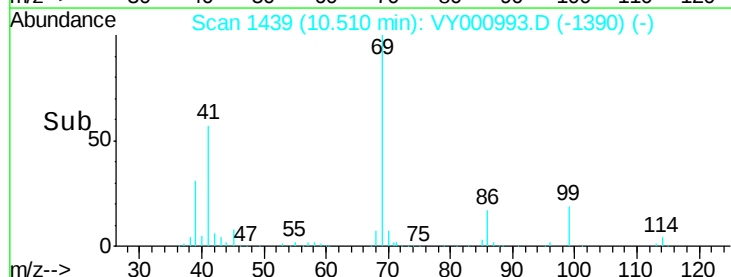
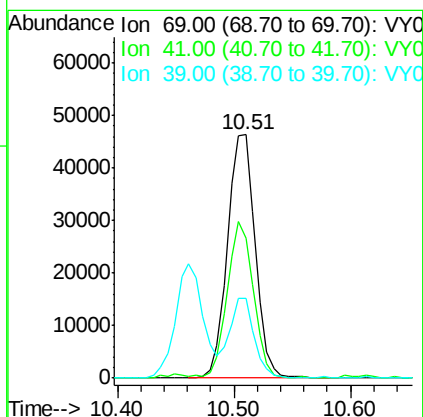
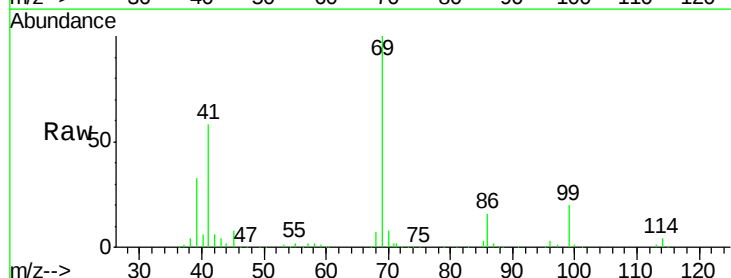
Manual Integrations
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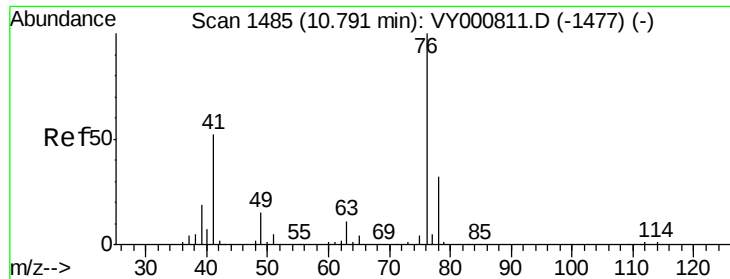
MMDadoda
 12/19/2019 11:10:44 AM



#56
 Ethyl methacrylate
 Concen: 19.857 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		76920		
41	59.8	49.0	73.6		
39	29.6	23.1	34.7		





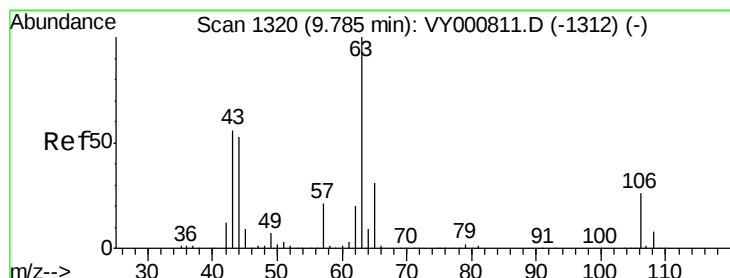
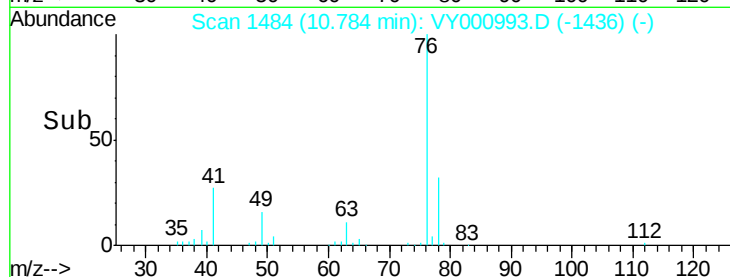
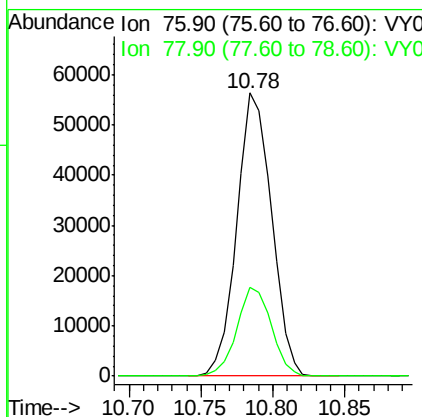
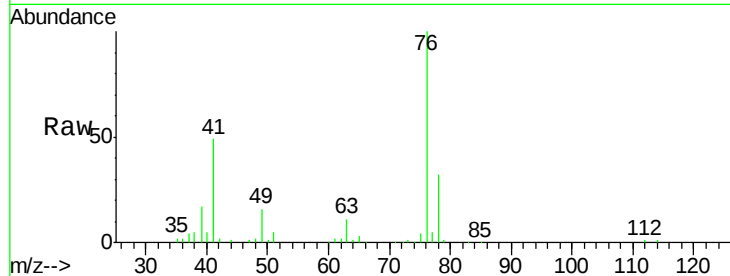
#57
 1,3-Dichloropropane
 Concen: 19.998 ug/l
 RT: 10.78 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.4	39.6

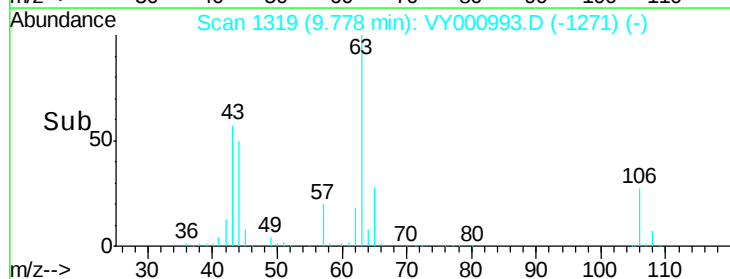
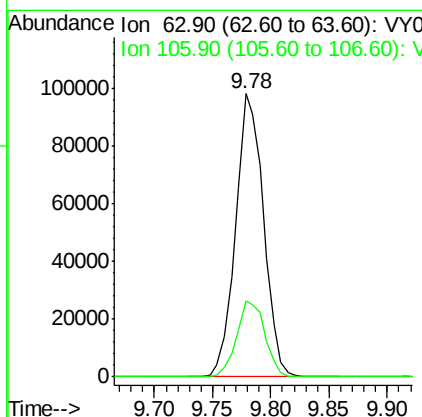
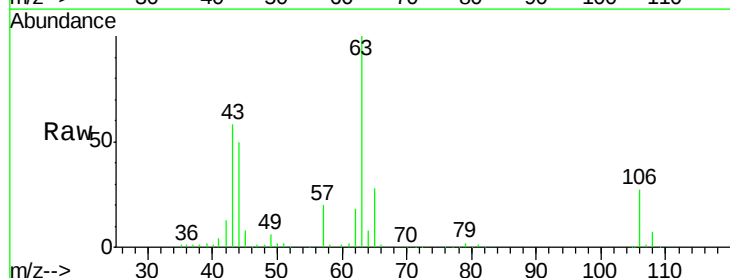
Manual Integrations
 APPROVED

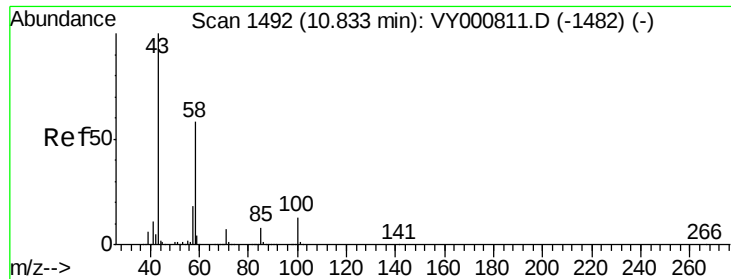
MMDadoda
 12/19/2019 11:10:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.004 ug/l
 RT: 9.78 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.5	32.3





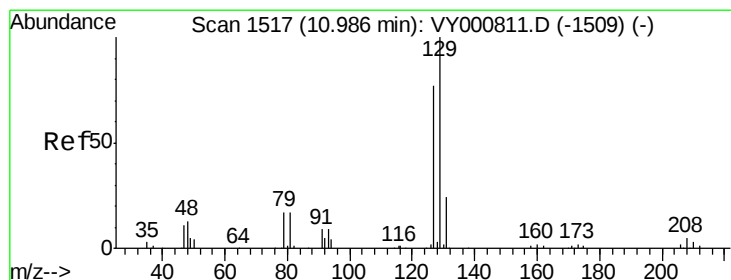
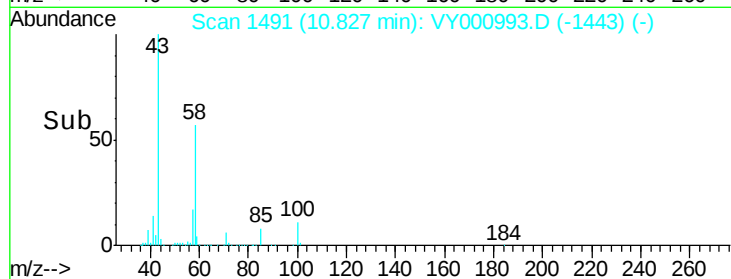
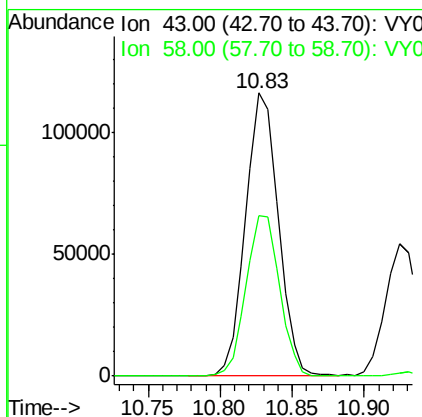
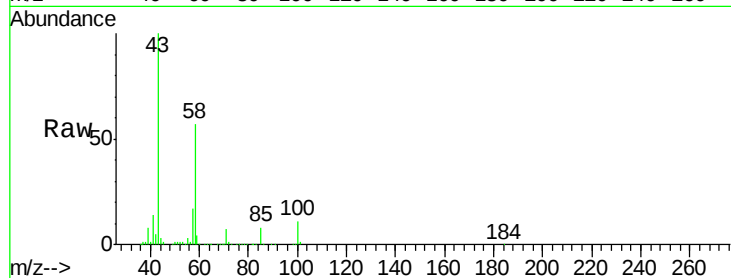
#59
2-Hexanone
Concen: 93.537 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion: 43 Resp: 183719
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.1

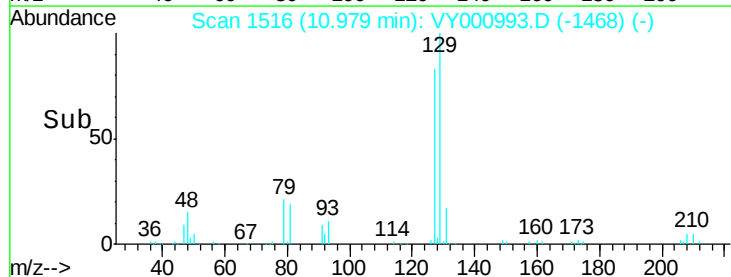
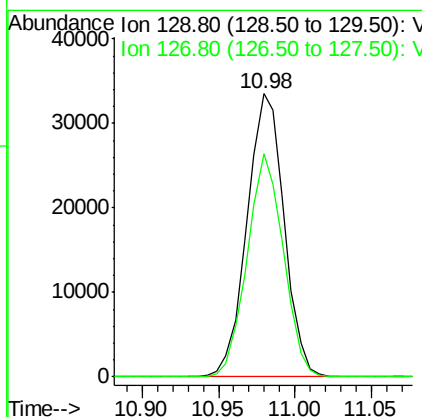
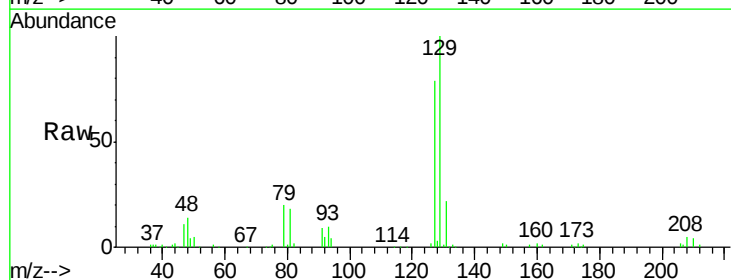
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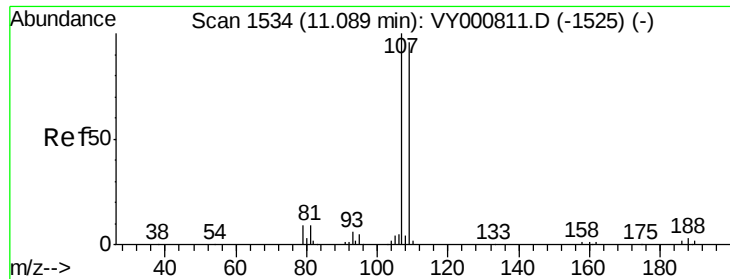
MMDadoda
12/19/2019 11:10:44 AM



#60
Dibromochloromethane
Concen: 19.403 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion: 129 Resp: 56562
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





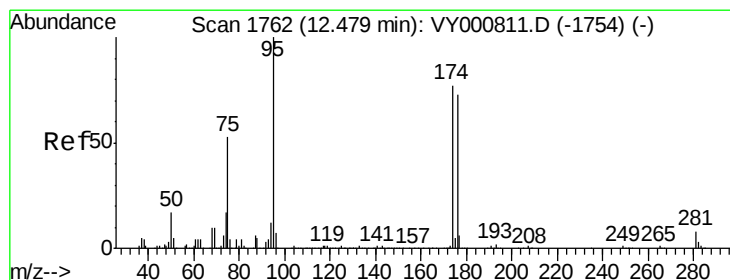
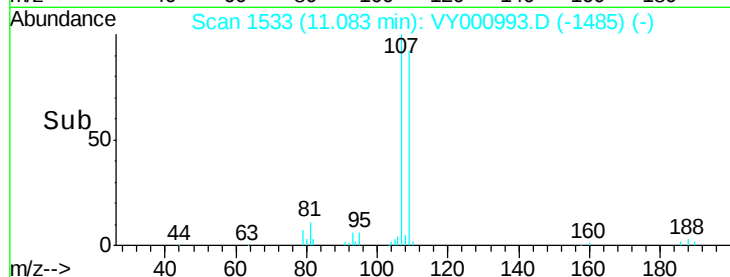
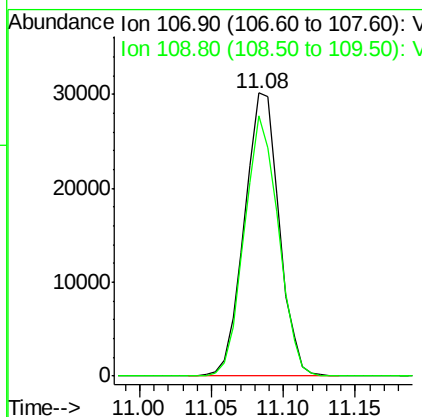
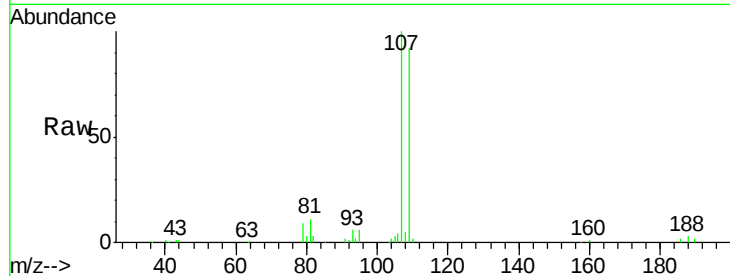
#61
 1,2-Dibromoethane
 Concen: 19.733 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.7	75.9	113.9

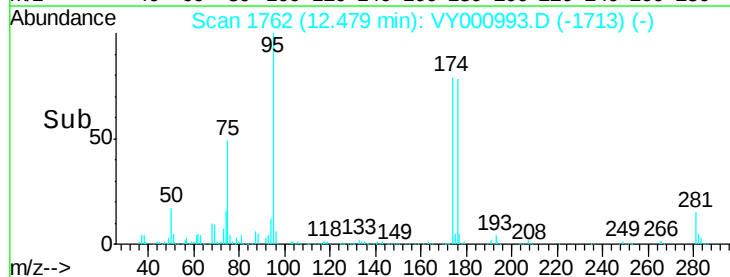
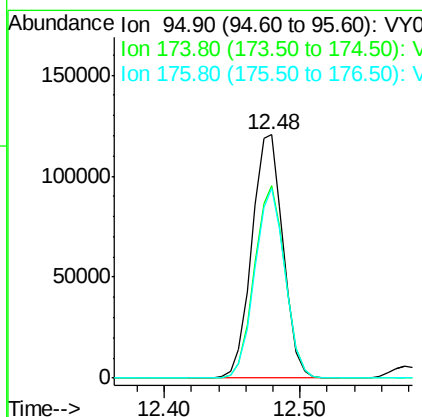
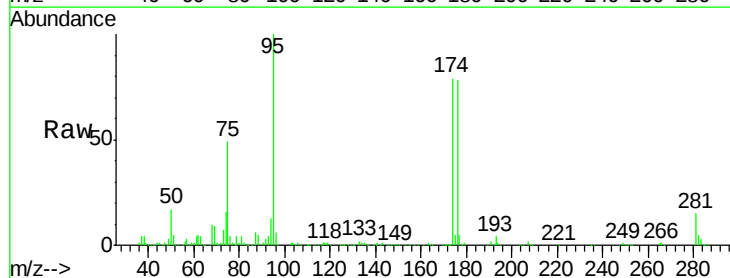
Manual Integrations
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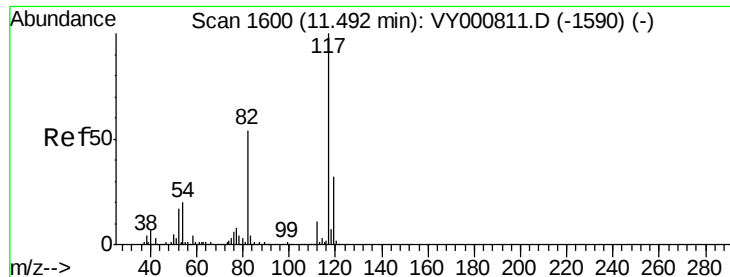
MMDadoda
 12/19/2019 11:10:44 AM



#62
 4-Bromofluorobenzene
 Concen: 45.944 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	150.6
176	75.5	0.0	145.2





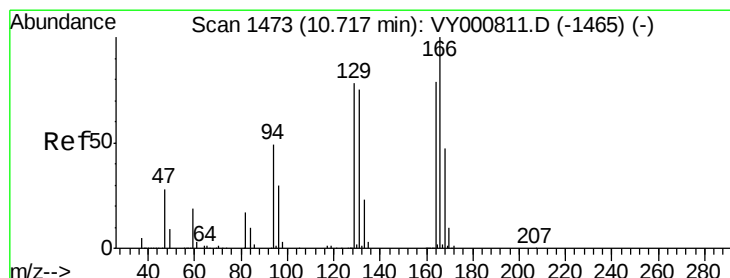
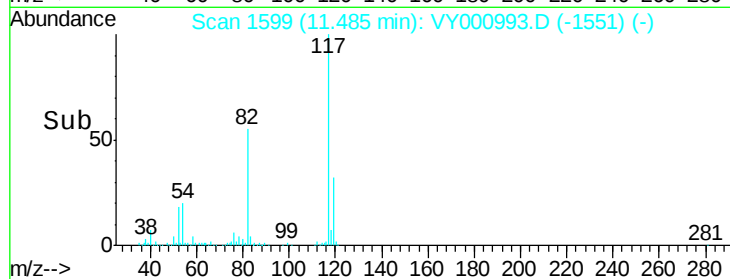
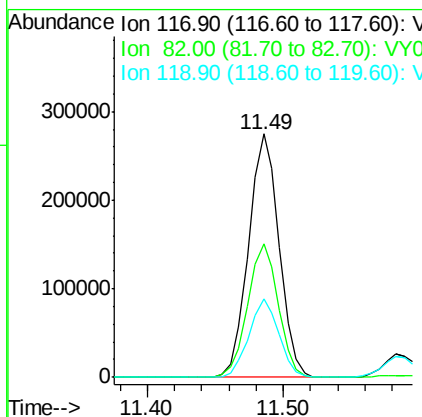
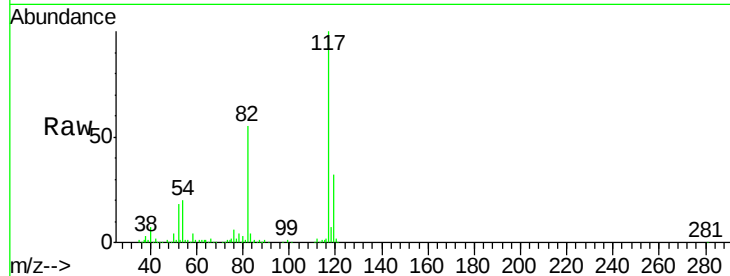
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.1	64.7
119	32.1	25.3	37.9

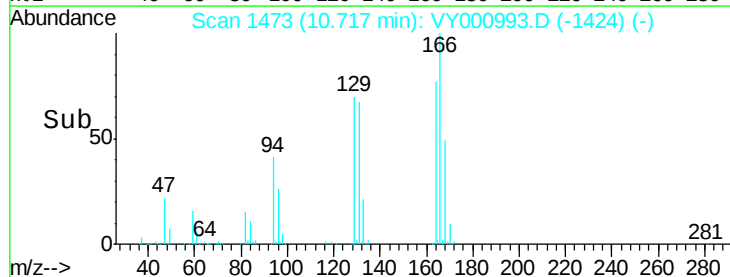
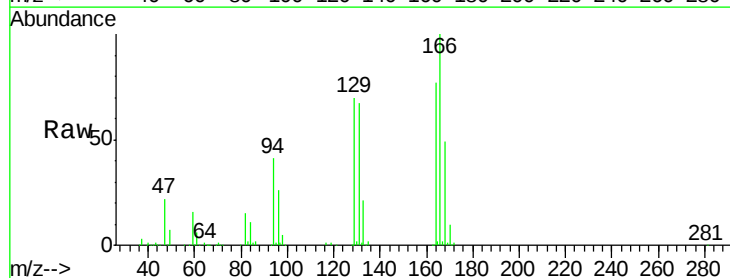
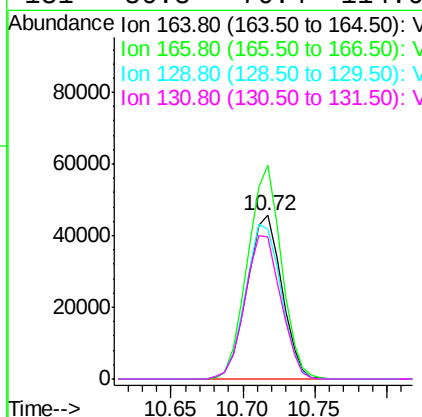
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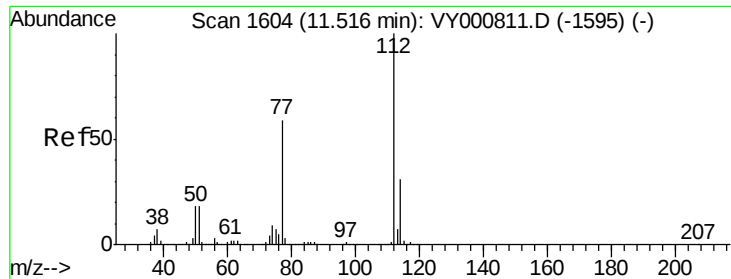
MMDadoda
12/19/2019 11:10:44 AM



#64
Tetrachloroethene
Concen: 20.329 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.8	152.8
129	91.4	79.3	118.9
131	86.8	76.4	114.6





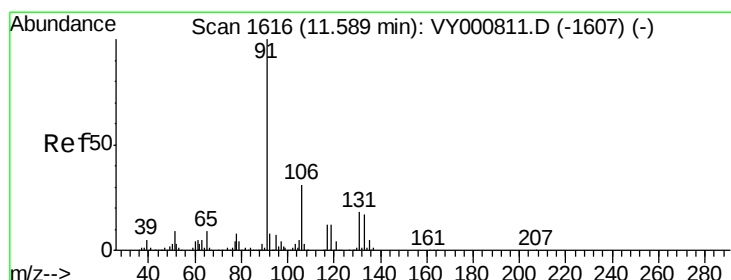
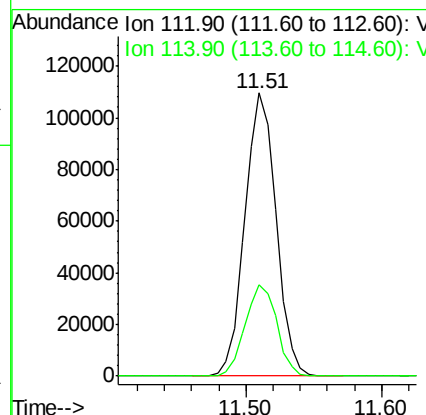
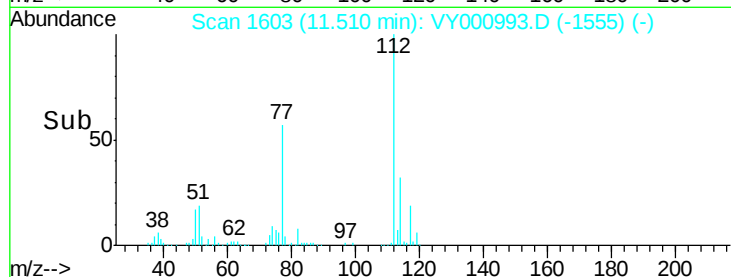
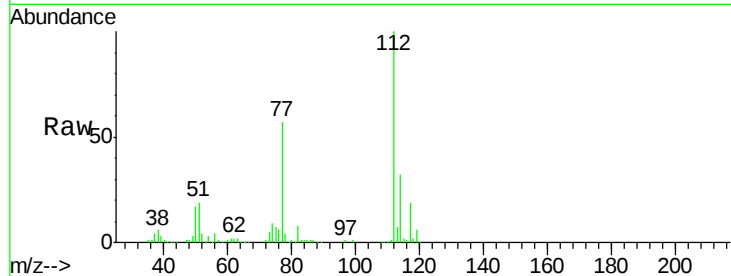
#65
Chlorobenzene
Concen: 19.609 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion:112 Resp: 176209
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

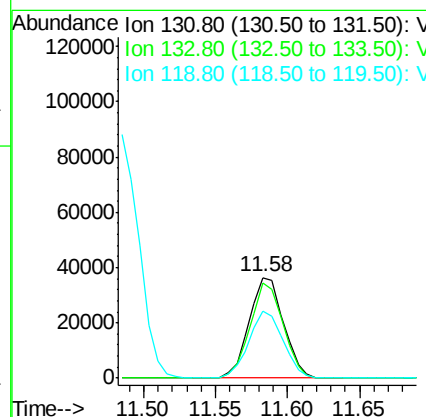
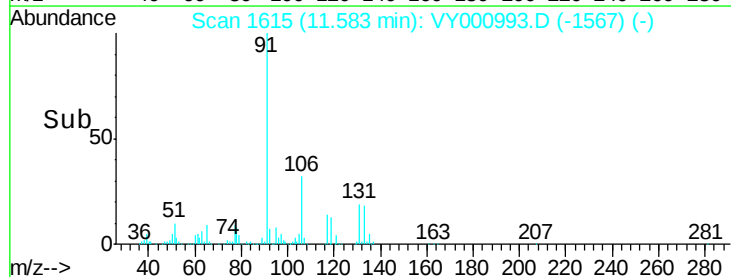
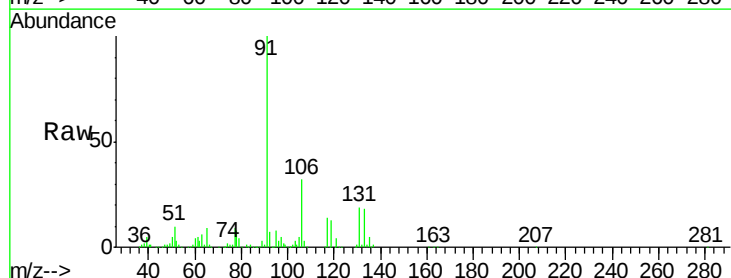
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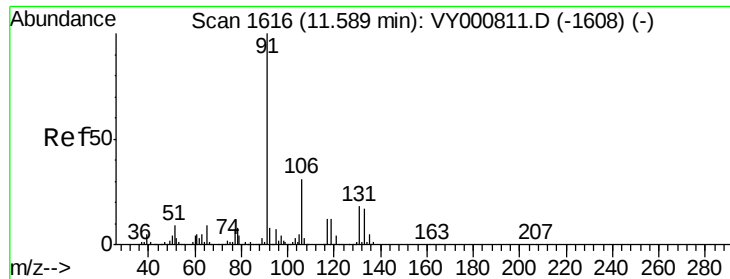
MMDadoda
12/19/2019 11:10:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.834 ug/l
RT: 11.58 min Scan# 1615
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion:131 Resp: 60063
Ion Ratio Lower Upper
131 100
133 90.9 47.4 142.2
119 66.3 33.8 101.3





#67

Ethyl Benzene

Concen: 19.081 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 91 Resp: 319335

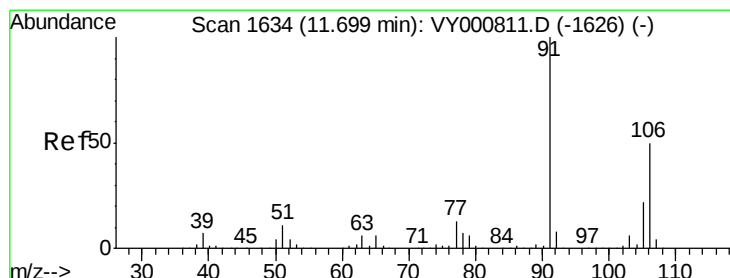
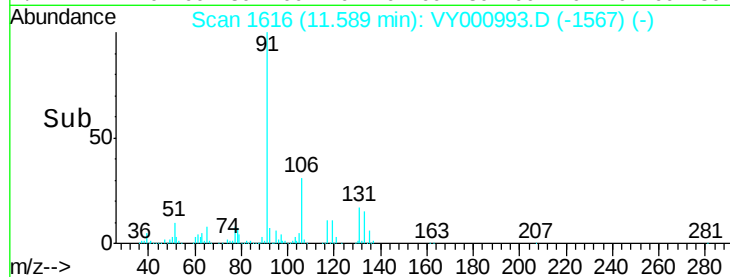
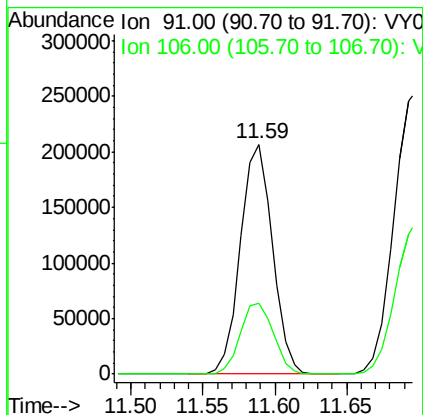
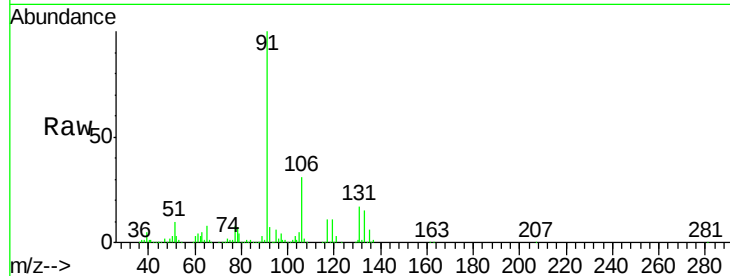
Ion Ratio Lower Upper

91 100

106 31.1 24.4 36.6

Manual Integrations
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12/19/2019 11:10:44 AM



#68

m/p-Xylenes

Concen: 39.165 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000993.D

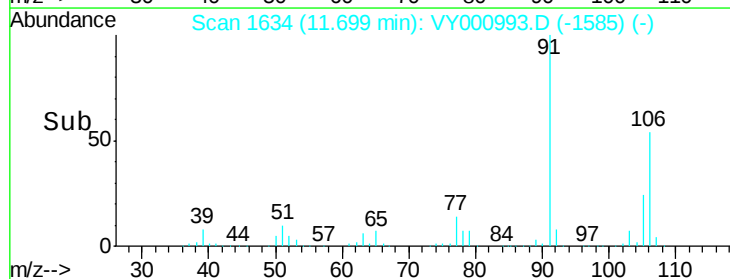
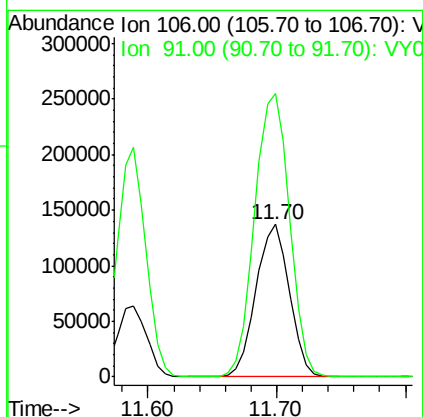
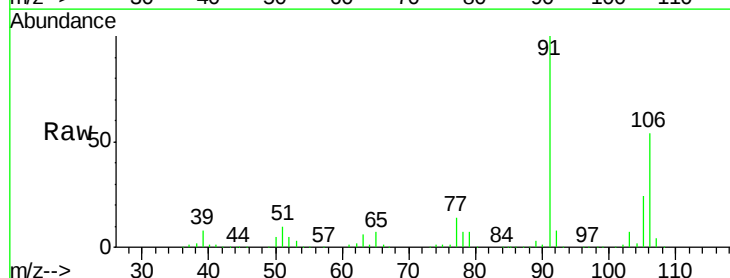
Acq: 18 Dec 2019 12:42

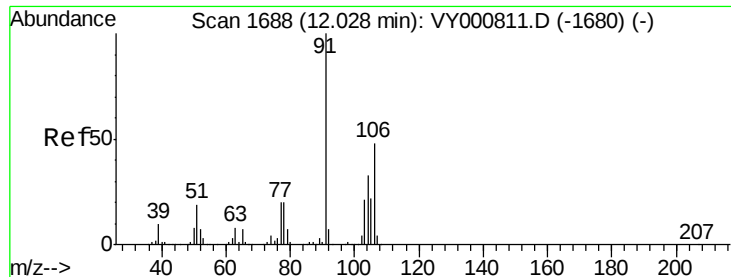
Tgt Ion: 106 Resp: 246014

Ion Ratio Lower Upper

106 100

91 193.7 159.6 239.4





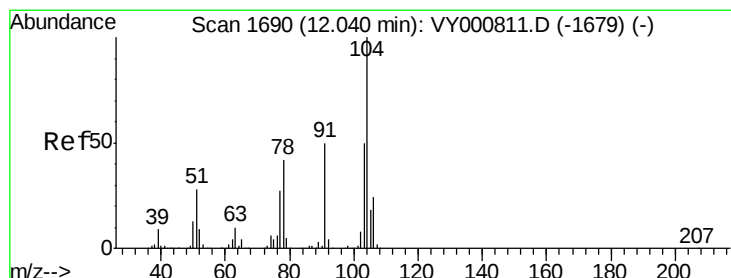
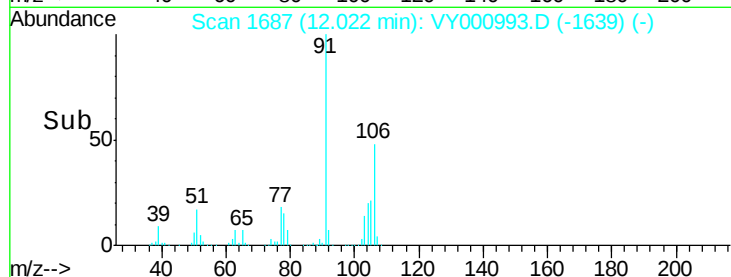
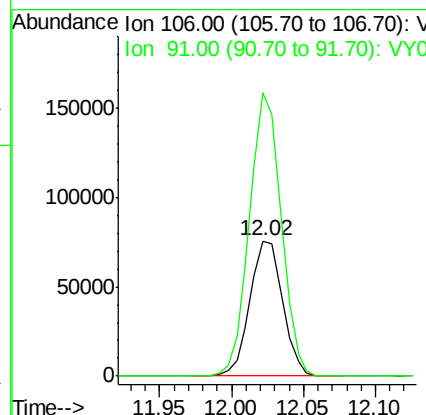
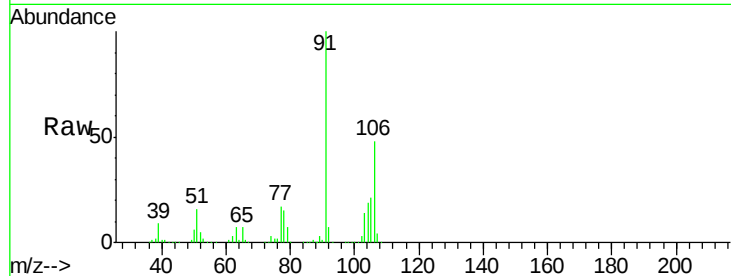
#69
o-Xylene
Concen: 20.349 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	119181		
91	91	203.1	106.1	318.1	

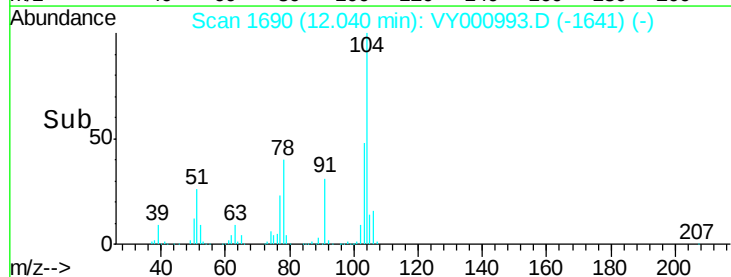
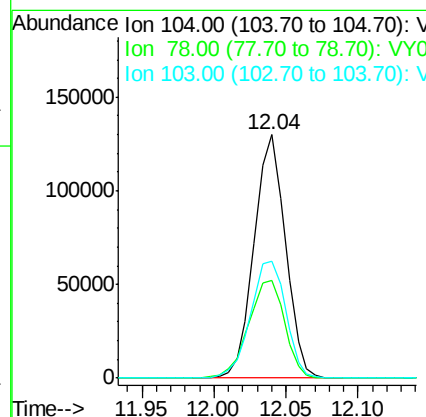
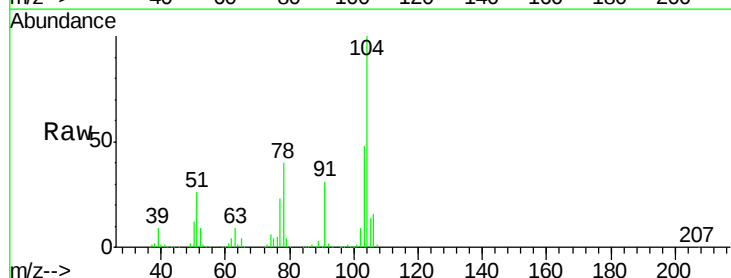
Manual Integrations
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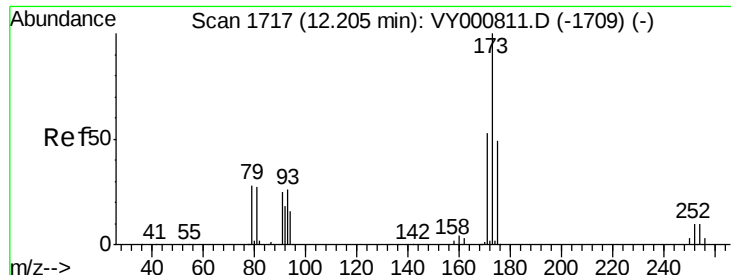
MMDadoda
12/19/2019 11:10:44 AM



#70
Styrene
Concen: 19.510 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	195656		
78	78	46.0	38.2	57.4	
103	103	54.2	43.4	65.0	





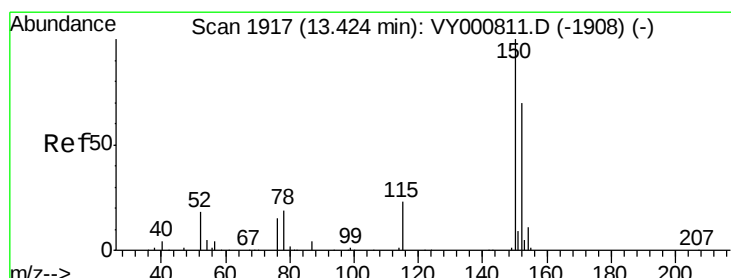
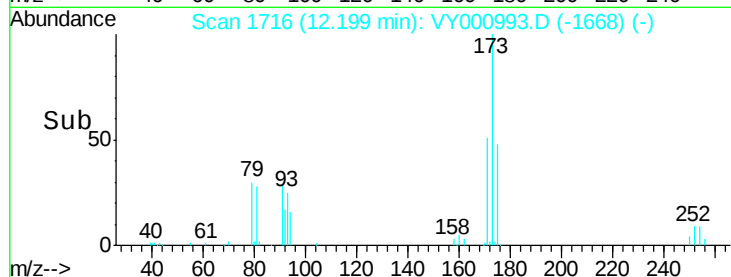
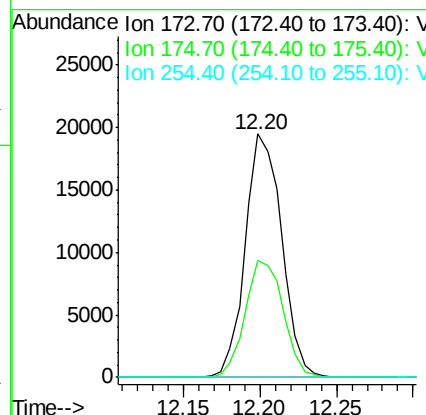
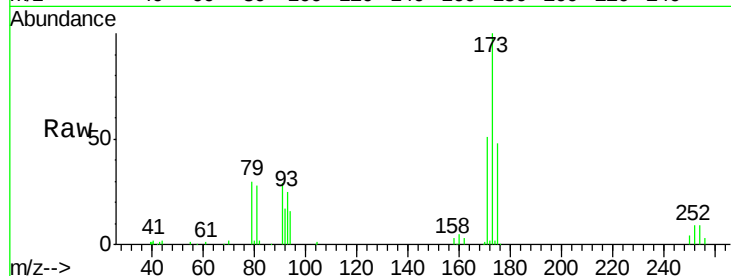
#71
Bromoform
Concen: 18.912 ug/l
RT: 12.20 min Scan# 1716
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.5	73.5
254	0.0	0.0	0.0

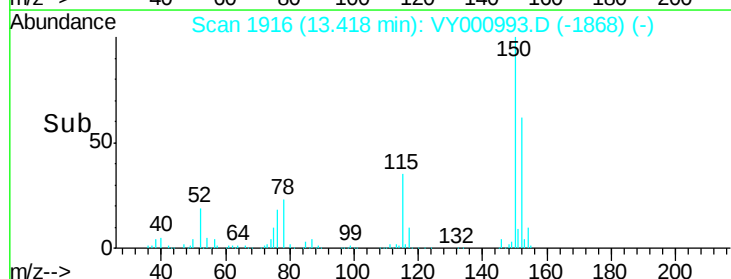
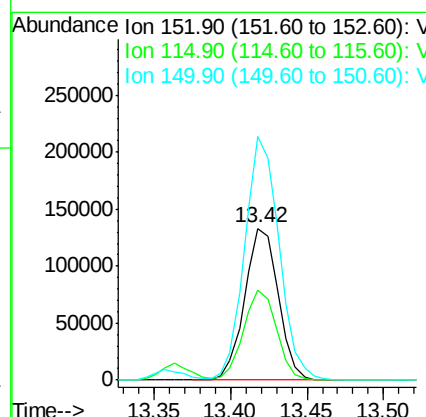
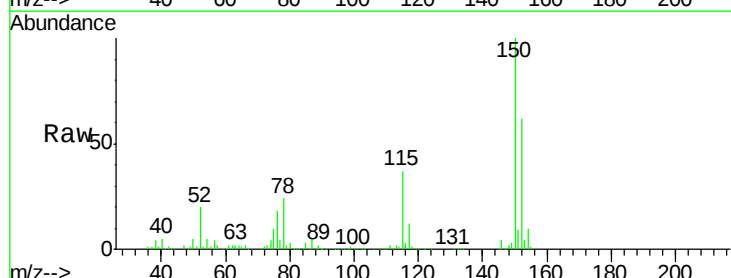
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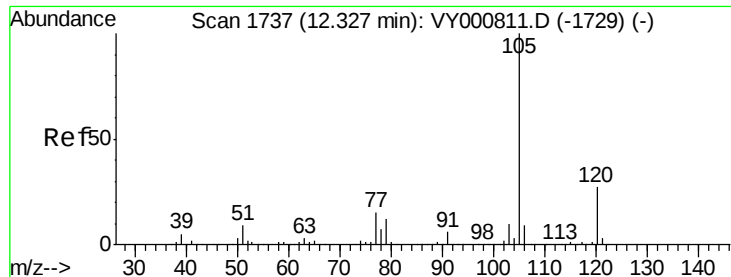
MMDadoda
12/19/2019 11:10:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	87.8
150	165.0	0.0	351.2





#73

Isopropylbenzene

Concen: 19.073 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 105 Resp: 307634

Ion Ratio Lower Upper

105 100

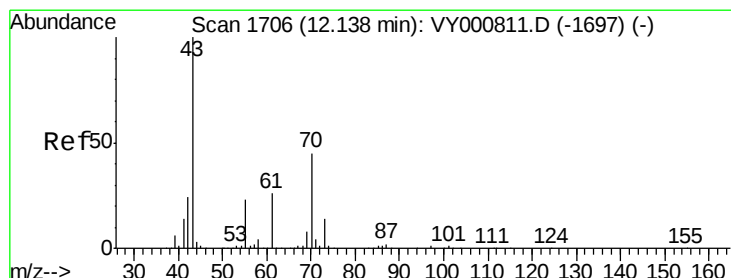
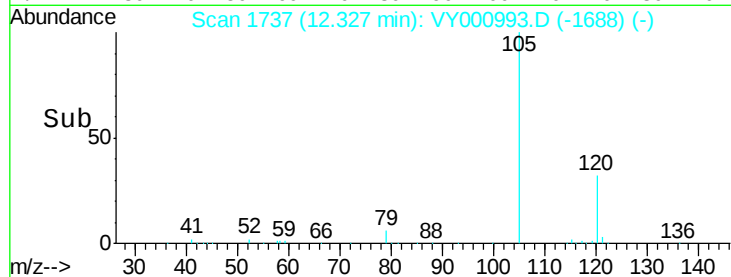
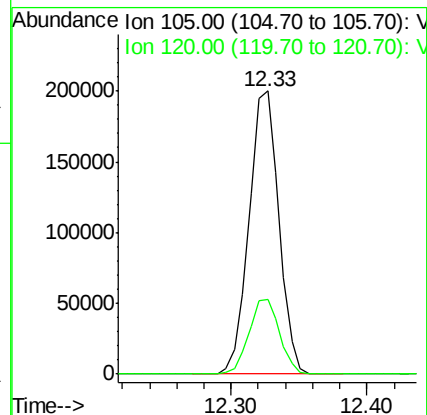
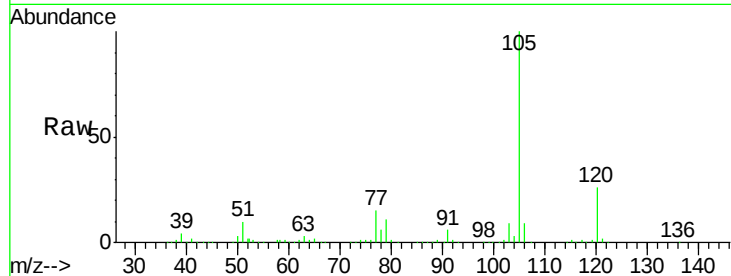
120 27.1 13.4 40.2

Manual Integrations

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MMDadoda

12/19/2019 11:10:44 AM



#74

N-ethyl acetate

Concen: 18.607 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion: 43 Resp: 83532

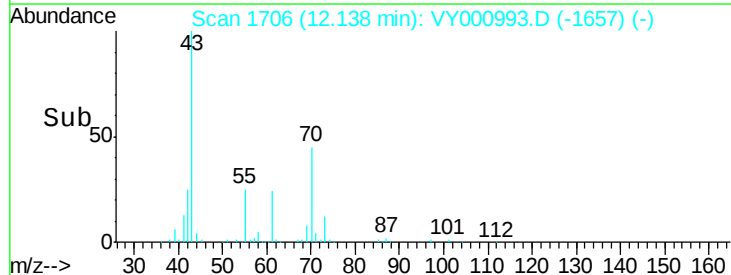
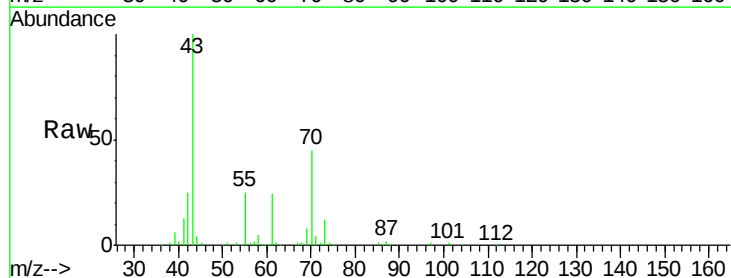
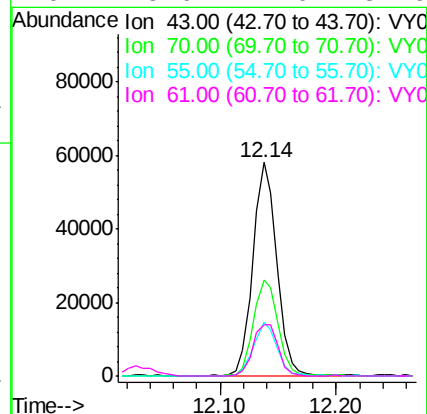
Ion Ratio Lower Upper

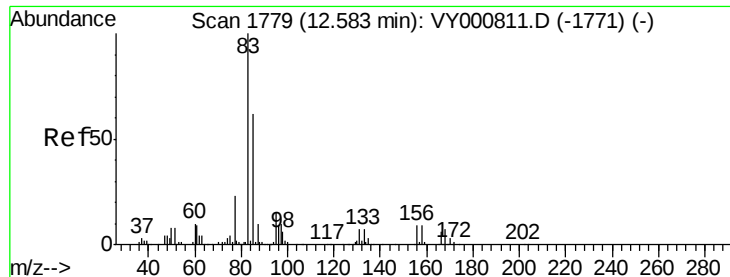
43 100

70 46.5 36.6 54.8

55 25.0 18.8 28.2

61 25.6 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.101 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

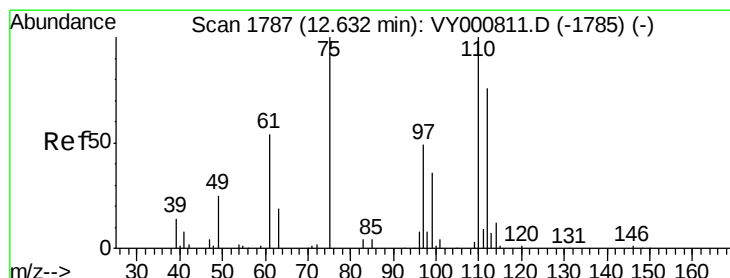
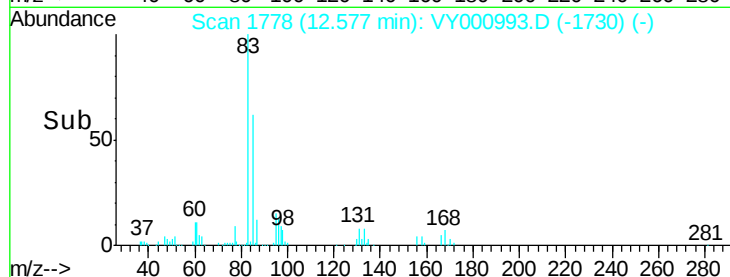
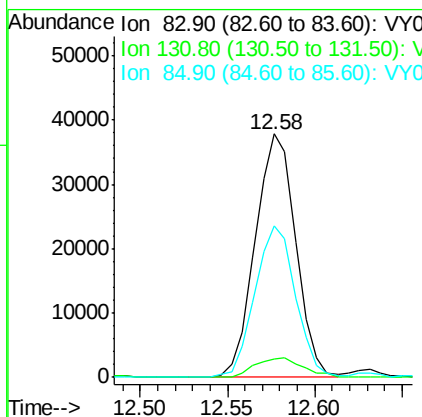
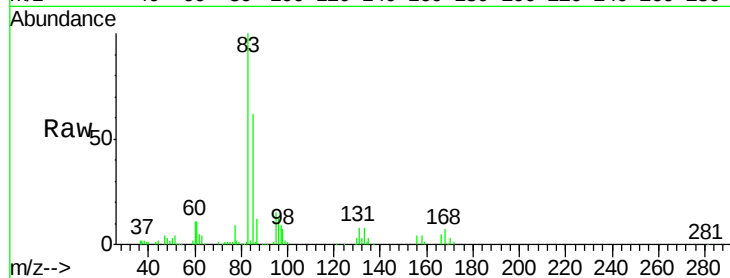
ClientSampleId :

VY1218SBS01

Tot Ion:	83	Resp:	60705
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.3	13.1
85	62.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.313 ug/l m

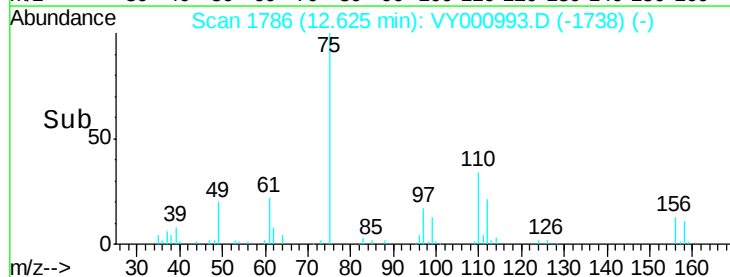
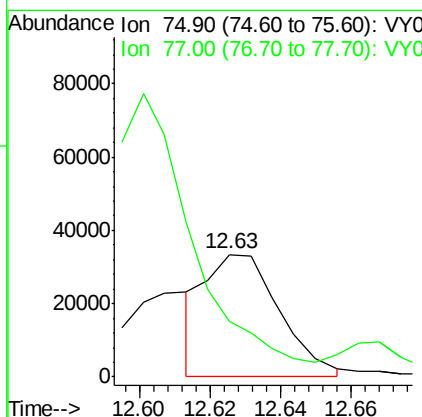
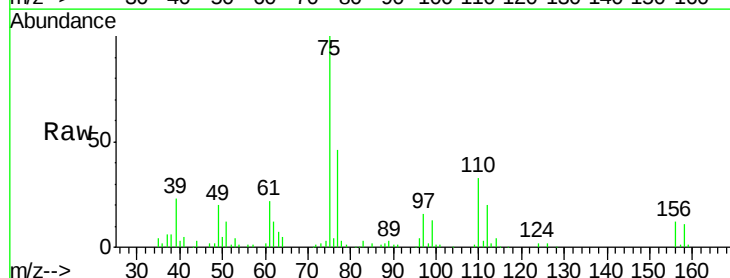
RT: 12.63 min Scan# 1786

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	75	Resp:	48915
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





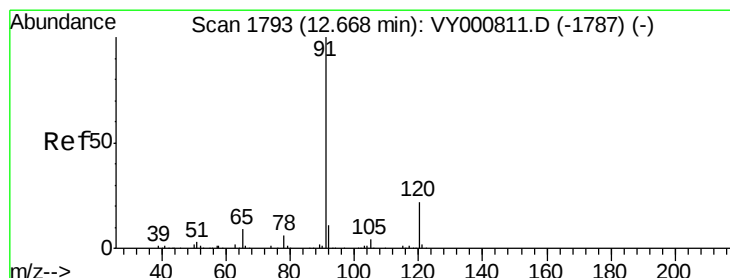
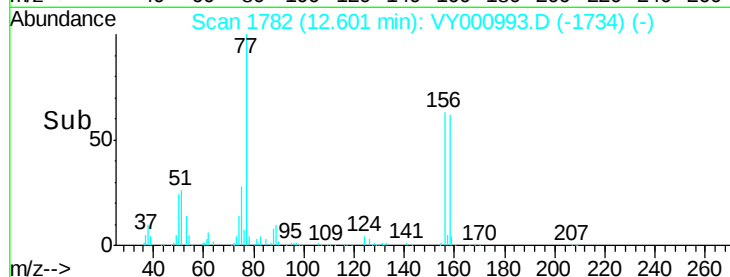
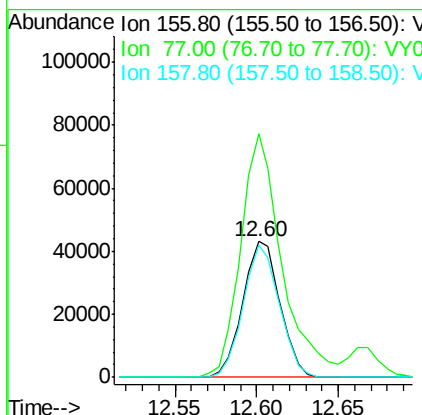
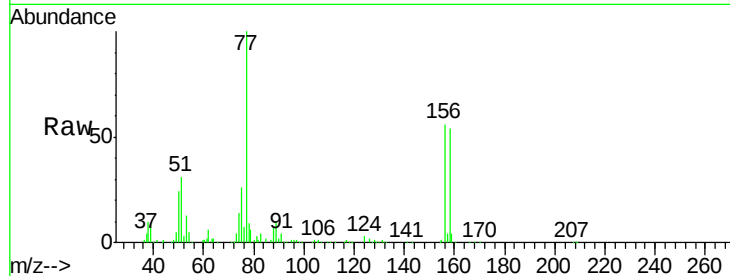
#77
Bromobenzene
Concen: 19.626 ug/l
RT: 12.60 min Scan# 1782
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.1	102.6	307.7
158	94.8	47.6	142.8

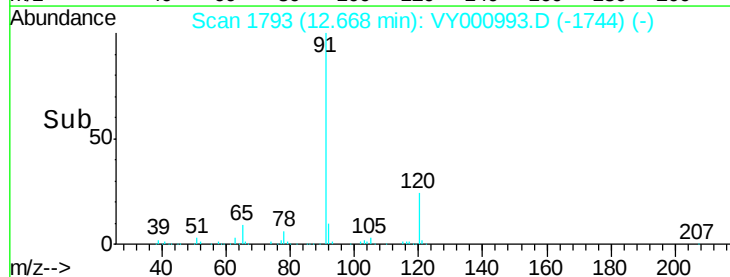
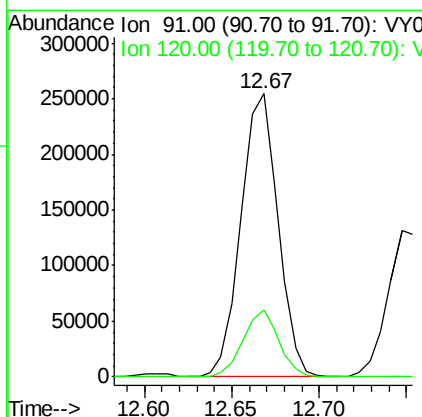
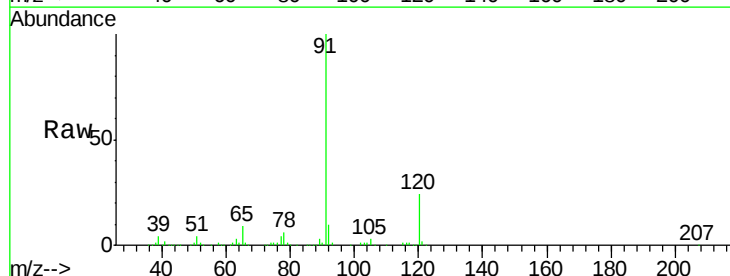
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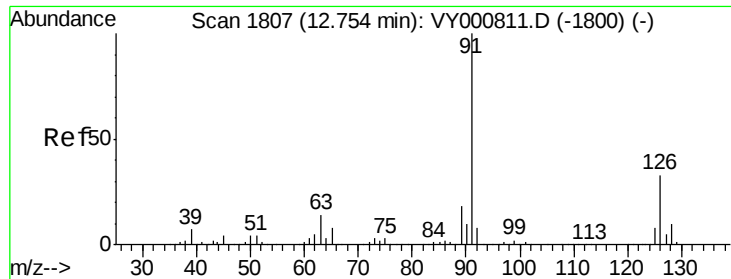
MMDadoda
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#78
n-propylbenzene
Concen: 19.035 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





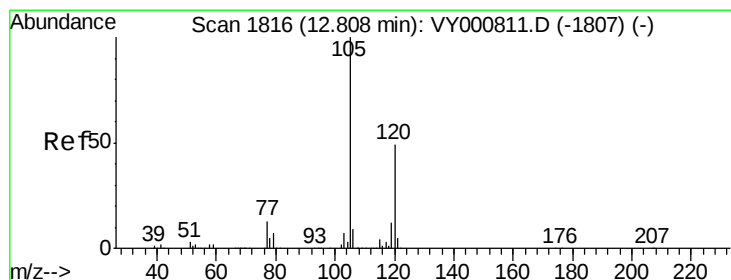
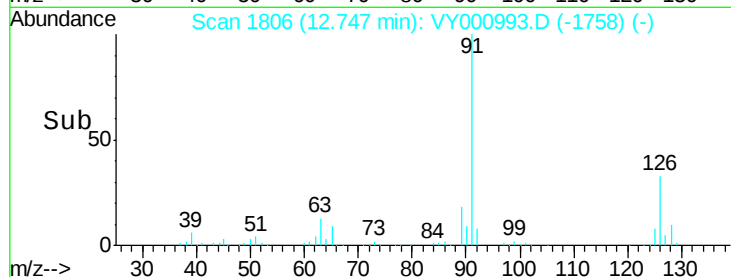
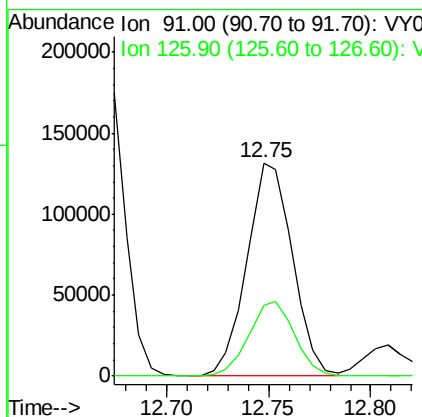
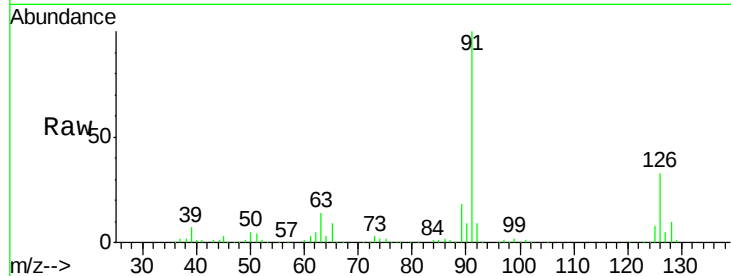
#79
2-Chlorotoluene
Concen: 18.835 ug/l
RT: 12.75 min Scan# 1806
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion: 91 Resp: 204920
Ion Ratio Lower Upper
91 100
126 35.2 17.0 51.0

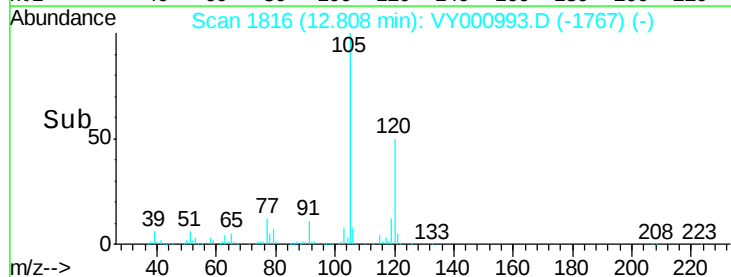
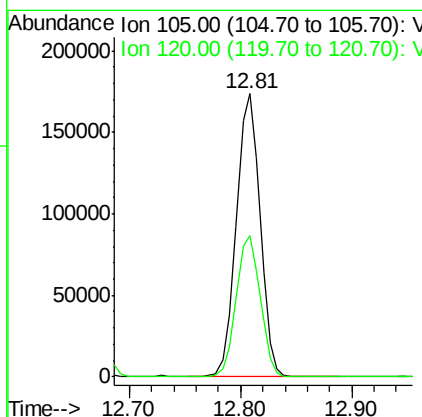
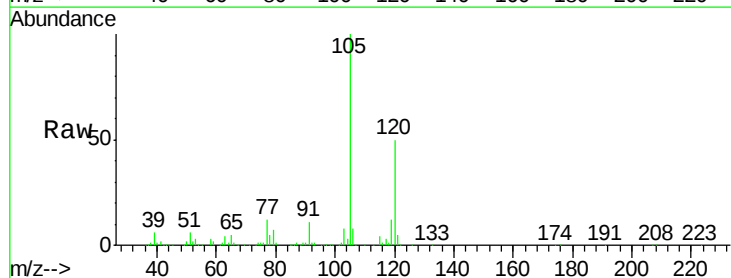
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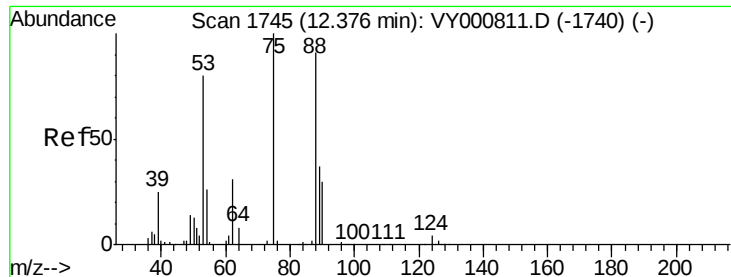
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#80
1,3,5-Trimethylbenzene
Concen: 19.209 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion: 105 Resp: 256523
Ion Ratio Lower Upper
105 100
120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.786 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

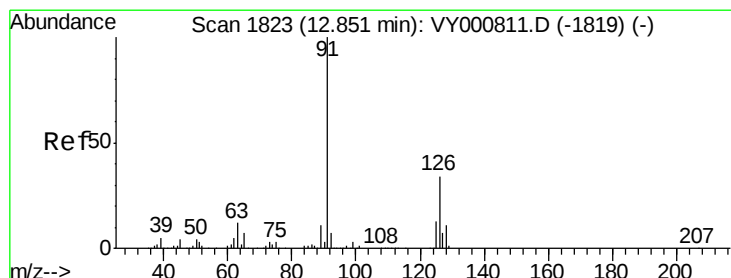
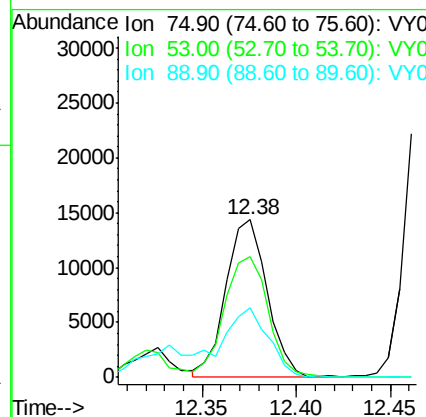
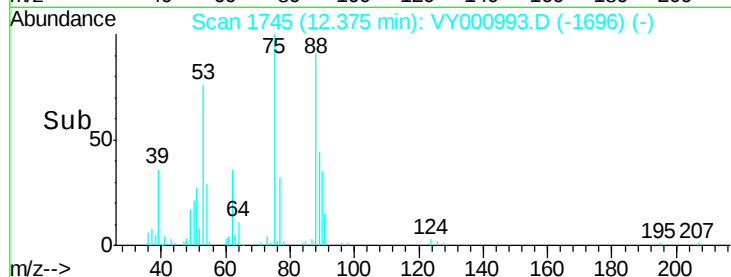
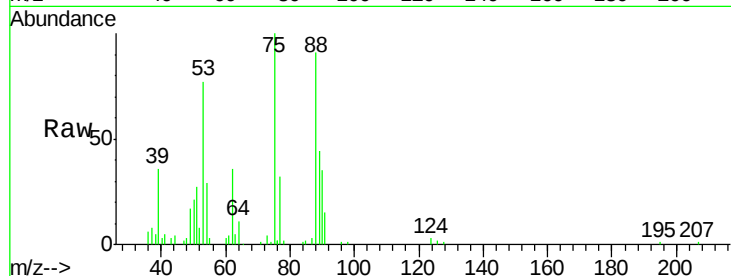
ClientSampleId :

VY1218SBS01

Tot Ion:	75	Resp:	21950
Ion	Ratio	Lower	Upper
75	100		
53	81.2	64.6	96.8
89	49.1	33.6	50.4

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#82

4-Chlorotoluene

Concen: 19.239 ug/l

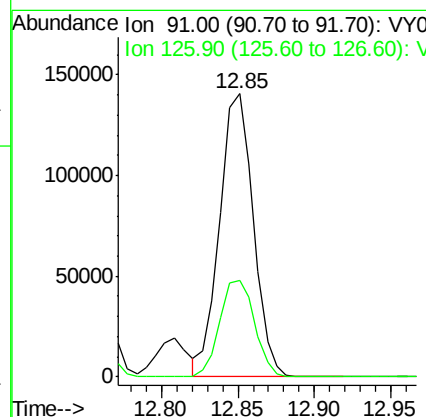
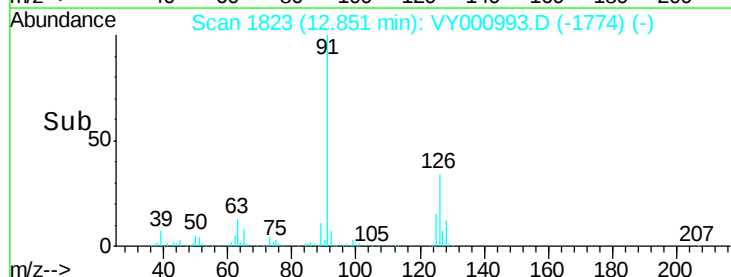
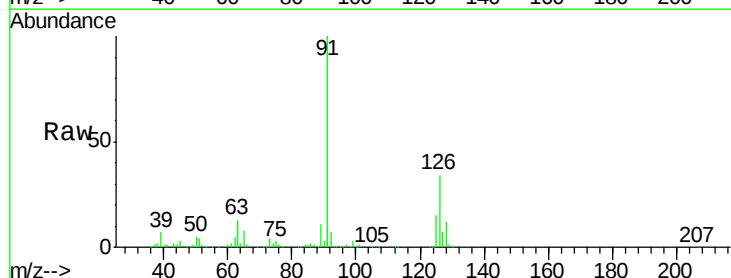
RT: 12.85 min Scan# 1823

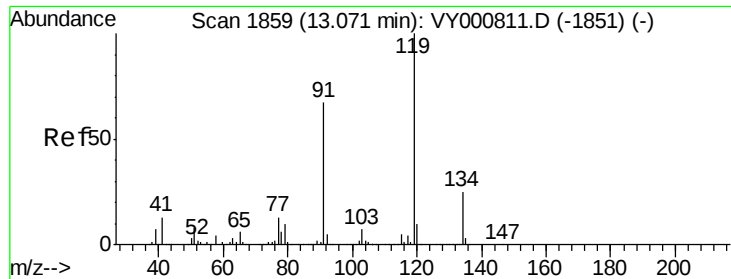
Delta R.T. -0.00 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Tgt Ion:	91	Resp:	215652
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.3	51.9





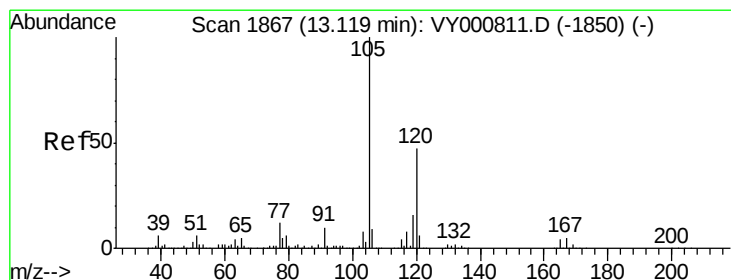
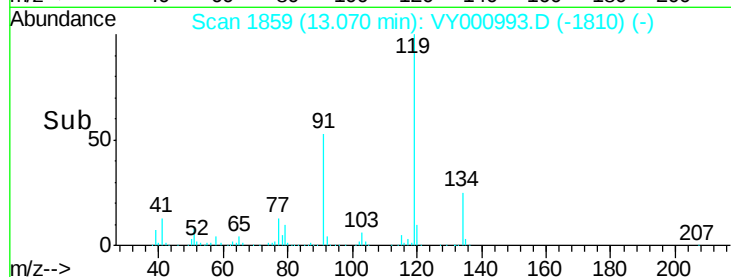
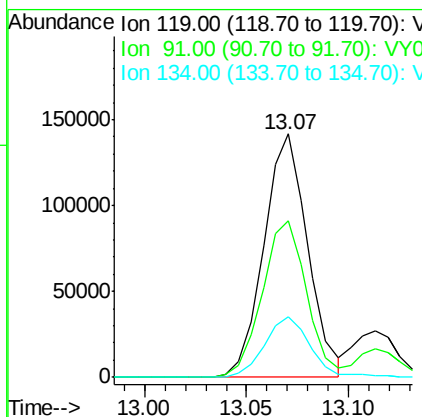
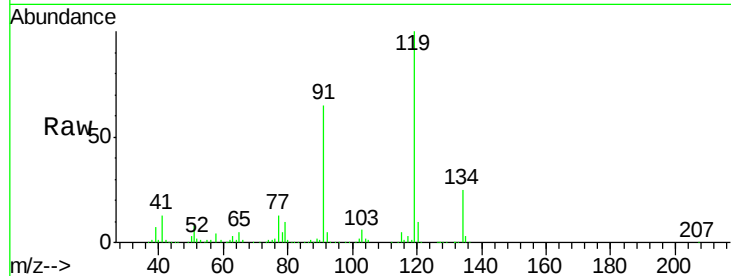
#83
 tert-Butylbenzene
 Concen: 18.881 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211989		
91	65.0		32.3	96.8
134	26.2		12.9	38.7

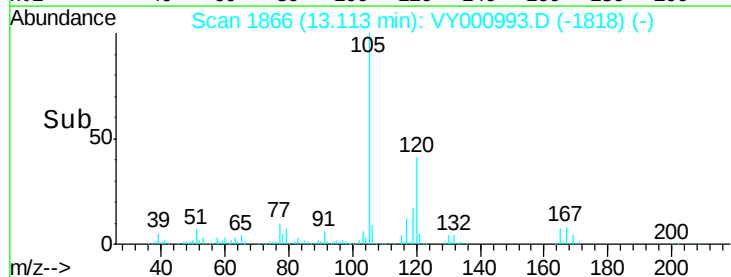
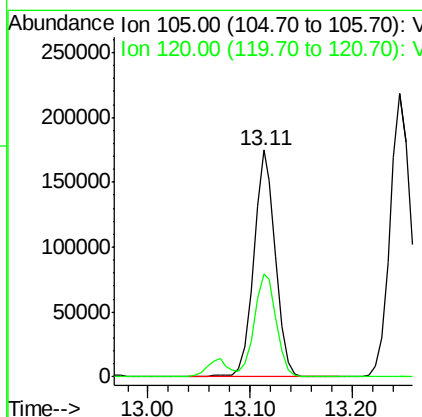
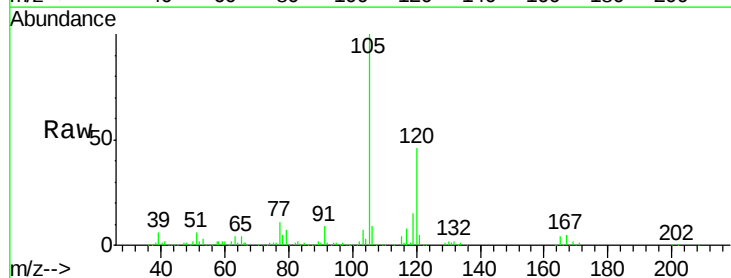
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.317 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258095		
120	46.0		22.6	67.8





#85

sec-Butylbenzene

Concen: 18.979 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1218SBS01

Tot Ion:105 Resp: 309909

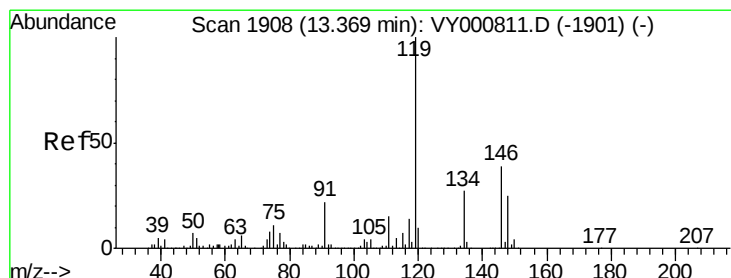
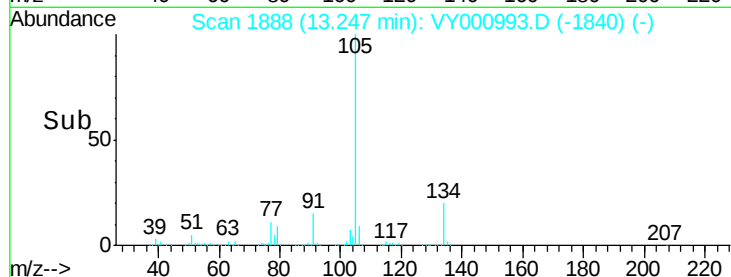
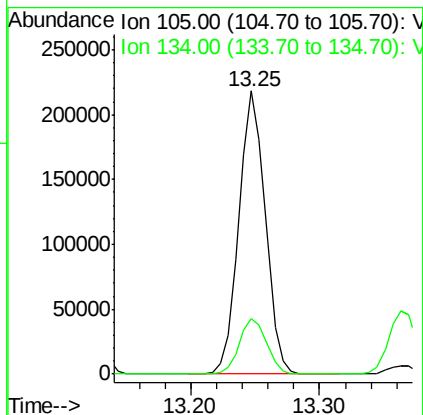
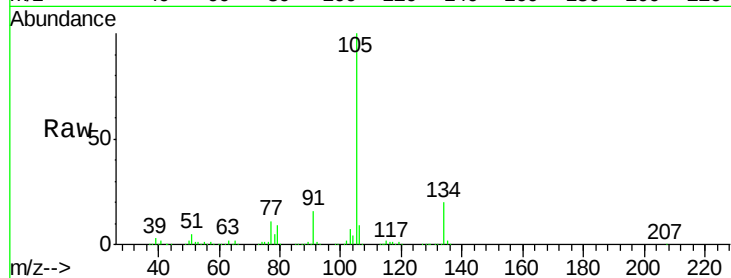
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.627 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000993.D

Acq: 18 Dec 2019 12:42

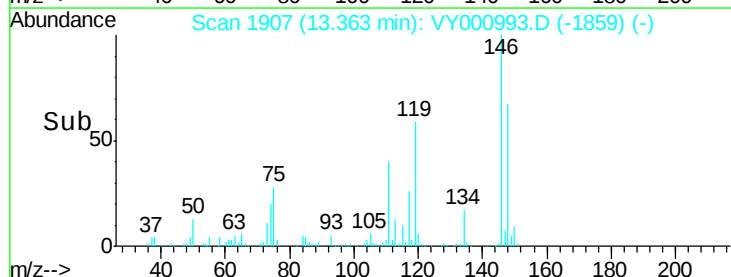
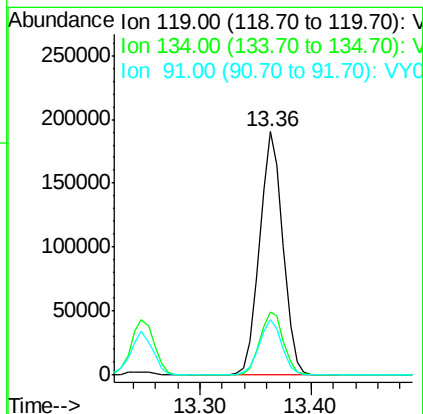
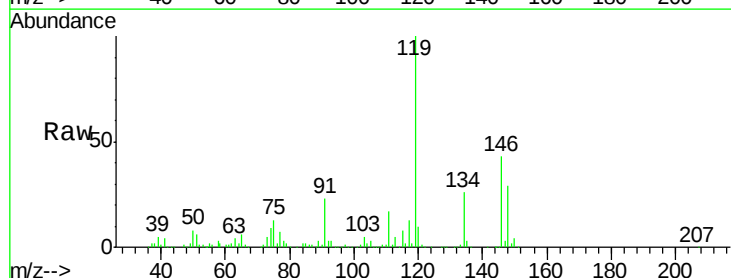
Tgt Ion:119 Resp: 278755

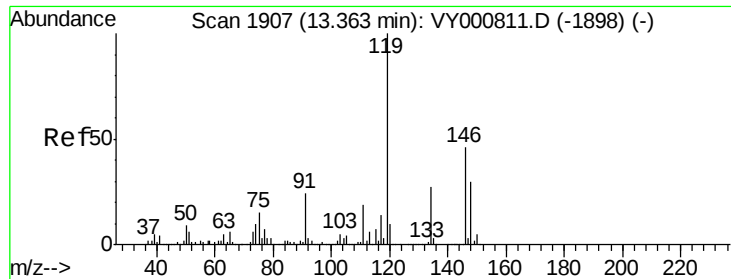
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 22.4 11.5 34.5





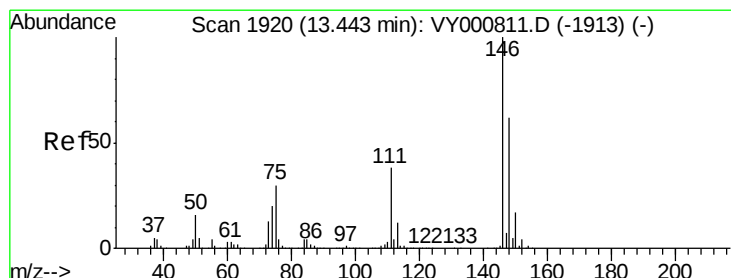
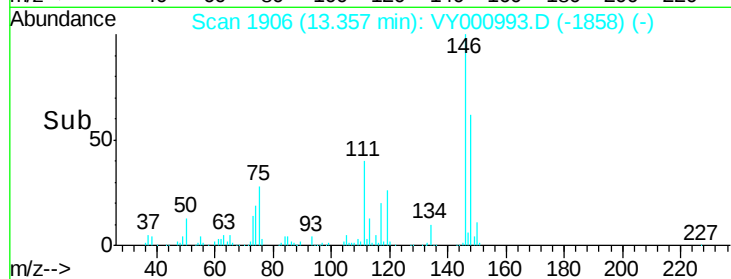
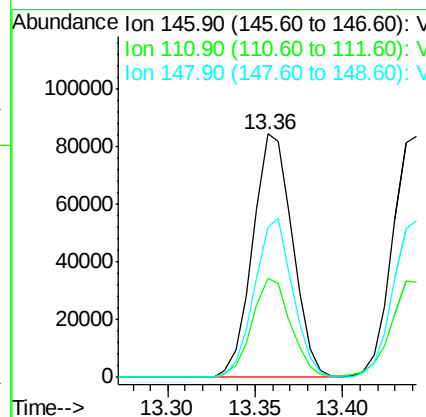
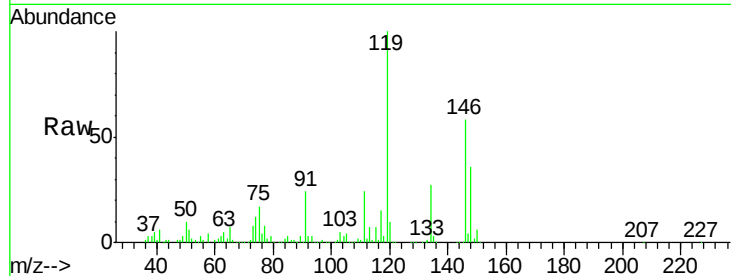
#87
 1,3-Dichlorobenzene
 Concen: 19.490 ug/l
 RT: 13.36 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	62.7	32.1	96.5

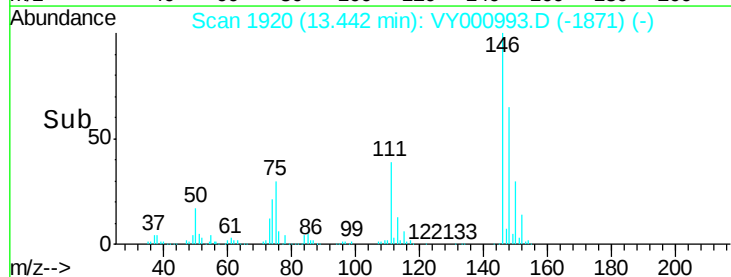
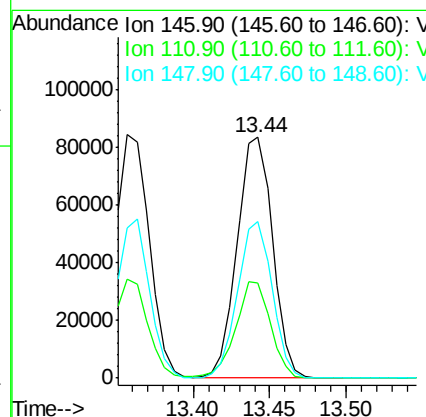
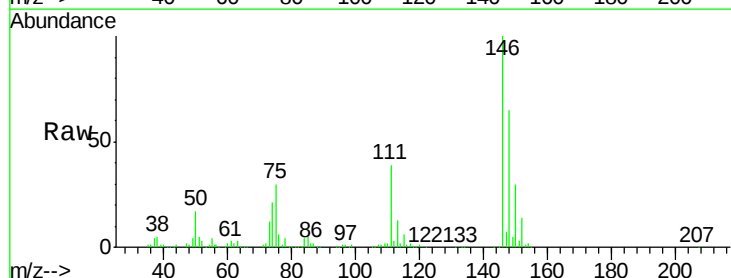
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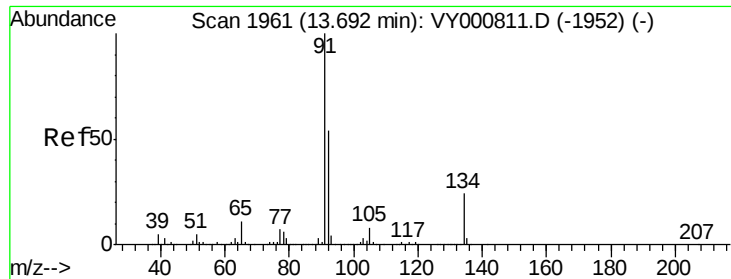
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#88
 1,4-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	63.4	31.7	95.1





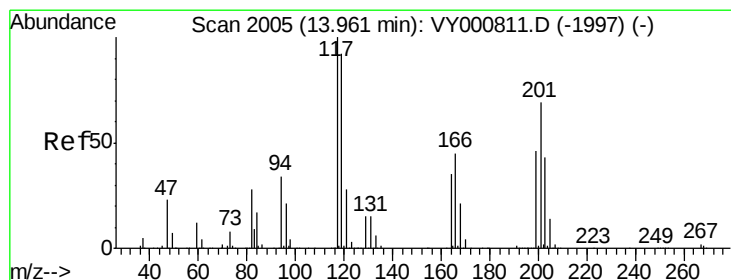
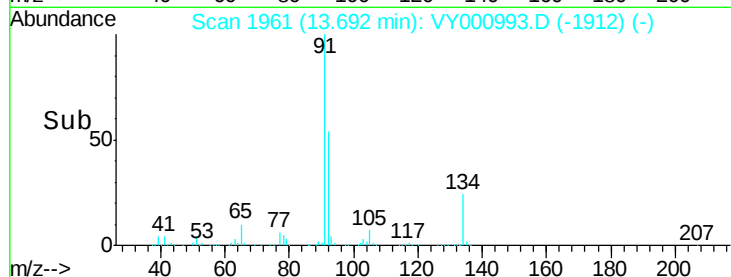
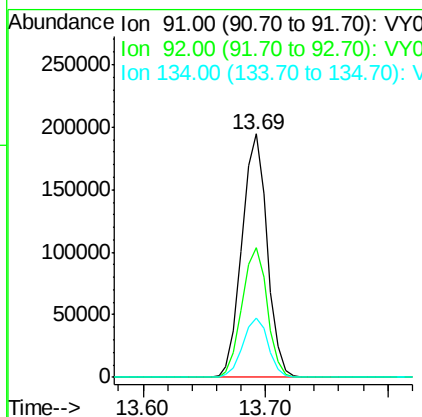
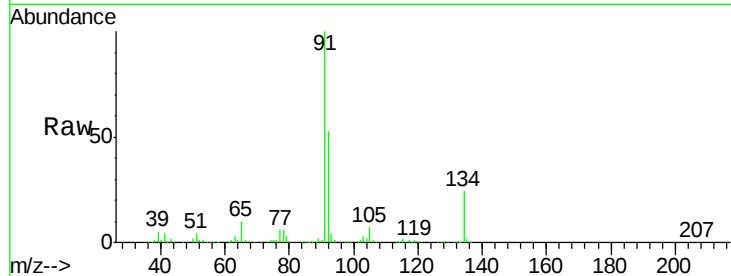
#89
n-Butylbenzene
Concen: 19.331 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	24.7	12.6	37.6

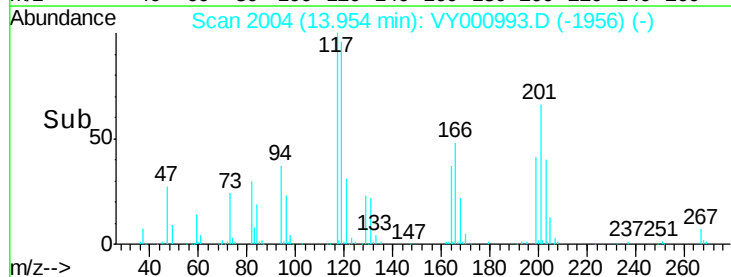
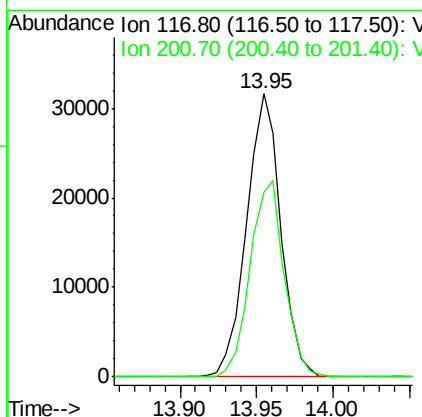
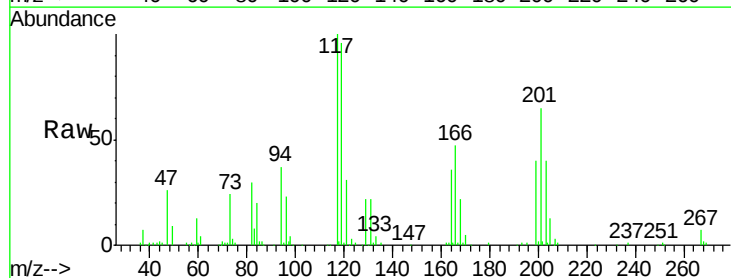
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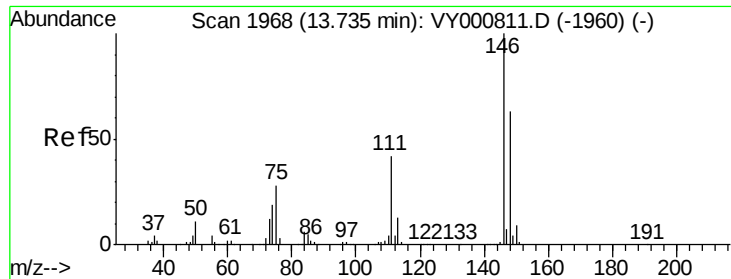
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#90
Hexachloroethane
Concen: 18.735 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.4	34.0	102.0





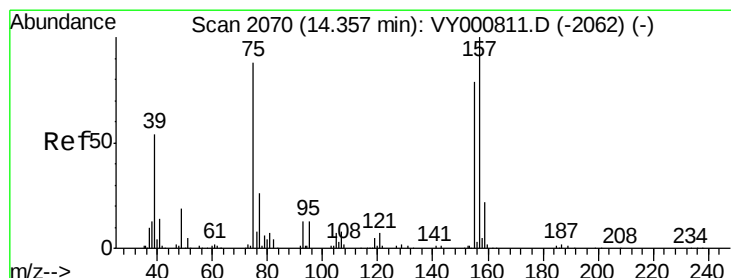
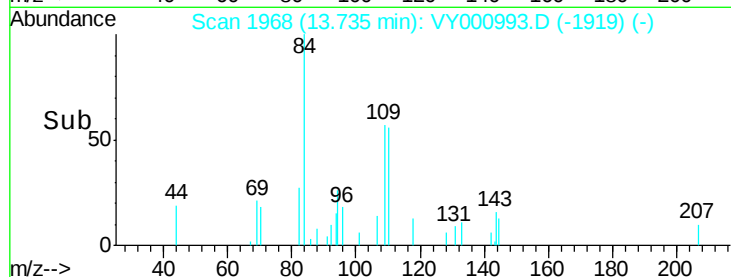
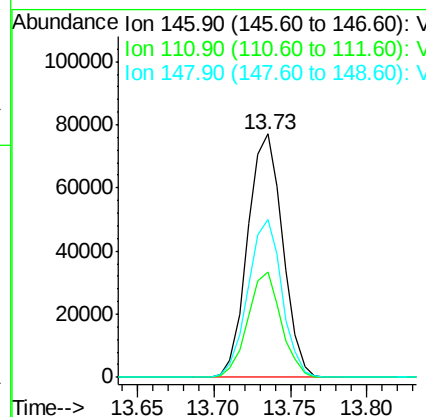
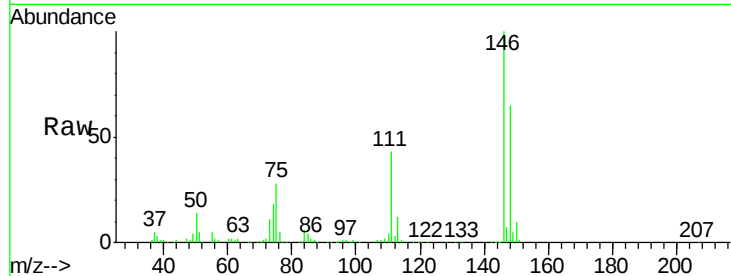
#91
 1,2-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.7
148	62.9	32.1	96.3

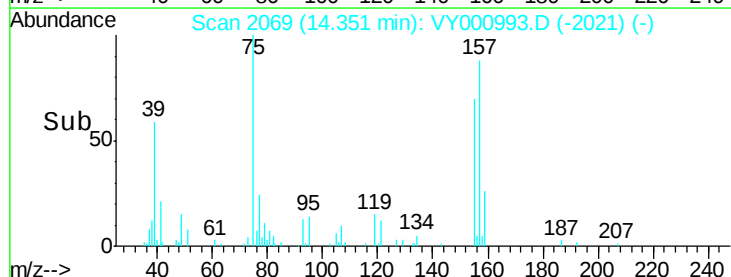
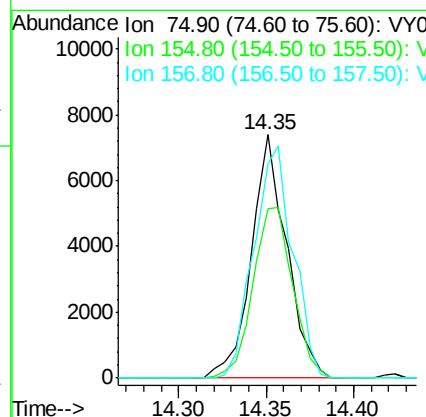
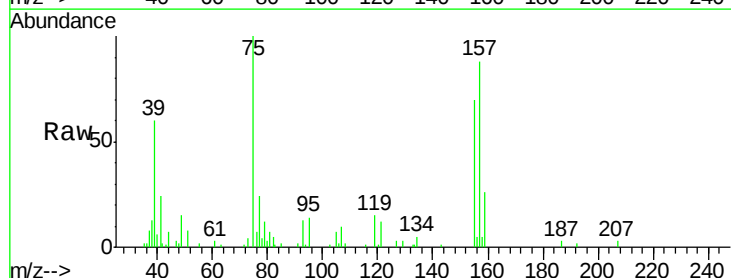
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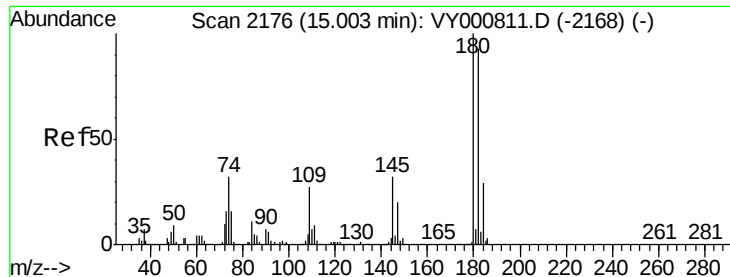
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.455 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	44.3	132.9
157	105.9	56.3	168.9





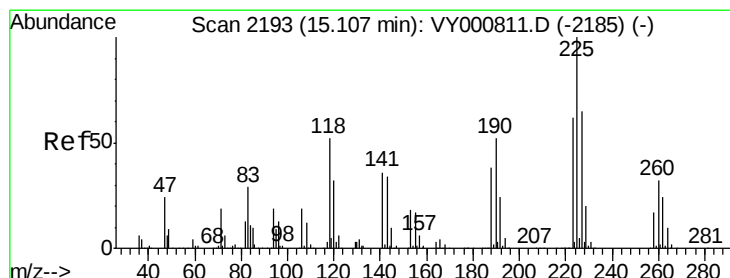
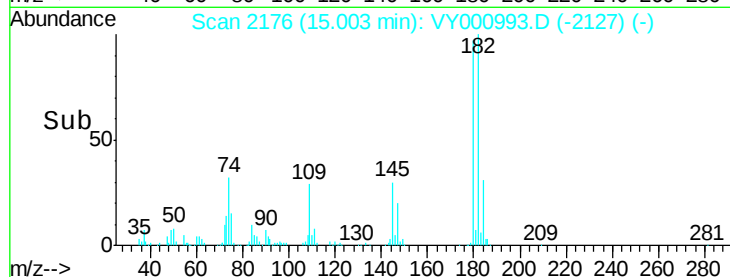
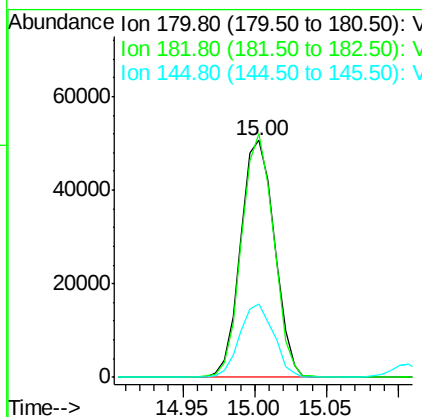
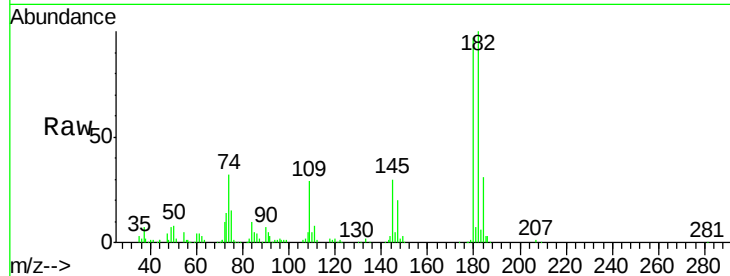
#93
 1,2,4-Trichlorobenzene
 Concen: 19.764 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	47.3	141.9	
145	31.1	16.0	47.9	

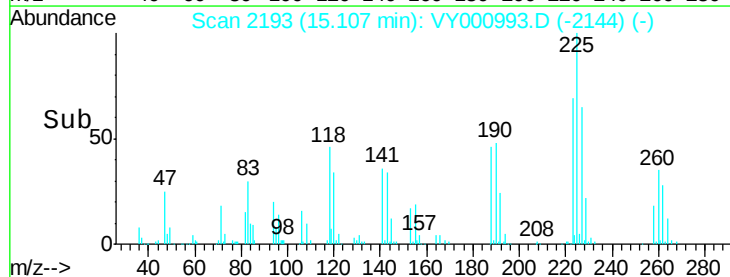
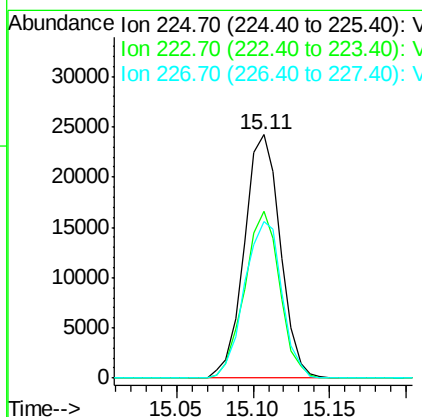
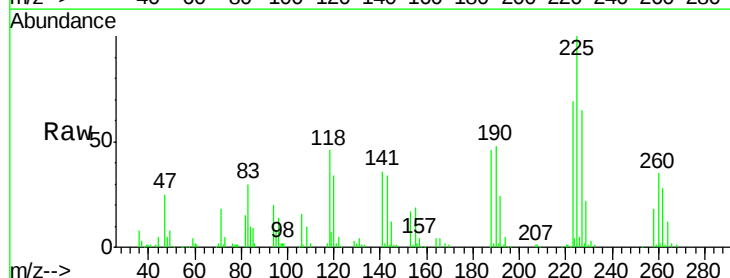
Manual Integrations
 APPROVED

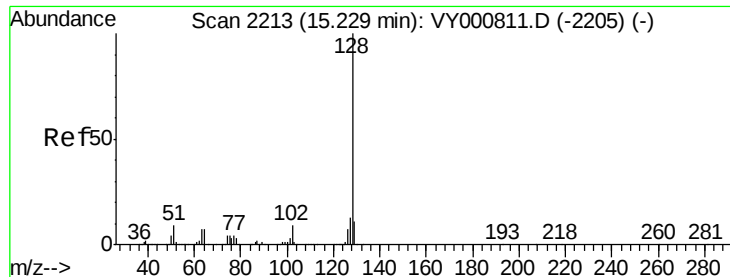
MMDadoda
 12/19/2019 11:10:44 AM



#94
 Hexachlorobutadiene
 Concen: 19.153 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000993.D
 Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.8	31.4	94.3	
227	66.9	31.8	95.3	





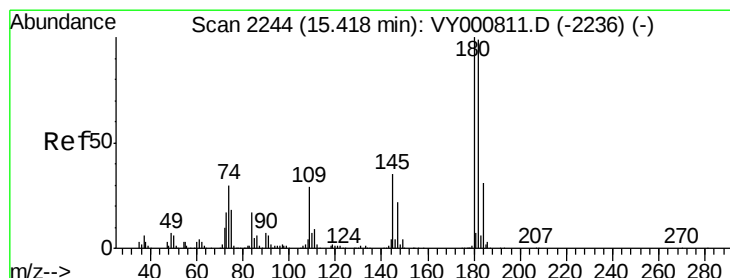
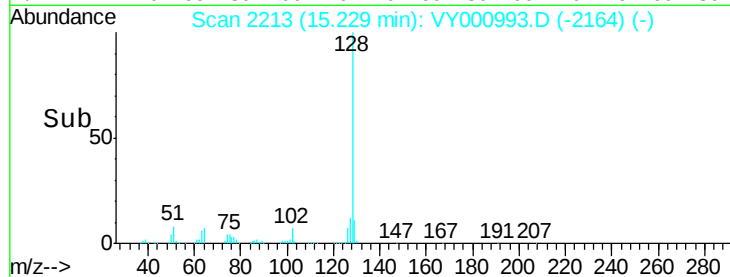
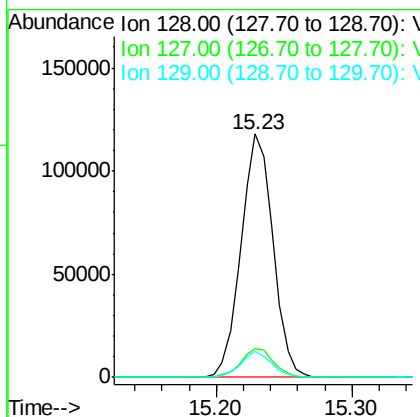
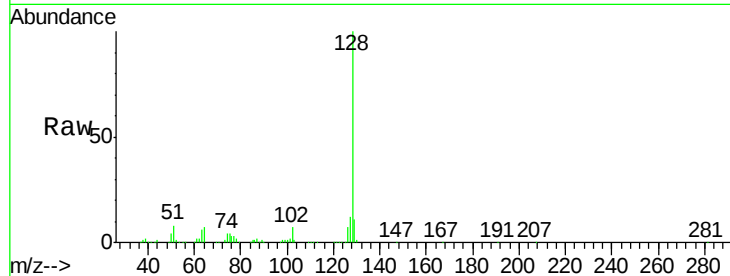
#95
Naphthalene
Concen: 19.946 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	193341		
127	12.1	10.1	15.1	
129	10.4	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:10:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.271 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000993.D
Acq: 18 Dec 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75587		
182	91.8	48.0	144.0	
145	30.9	16.9	50.6	

