

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001465.D
 Acq On : 03 Feb 2020 11:47
 Operator : SY/MD
 Sample : VY0203SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:43 AM

Quant Time: Feb 03 14:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	185352	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	324294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	101842	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.74	113	95808	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.19	98	381961	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.49	95	142638	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31279	21.399	ug/l	99
3) Chloromethane	2.13	50	48649	22.021	ug/l	93
4) Vinyl Chloride	2.27	62	49126	21.326	ug/l	92
5) Bromomethane	2.66	94	32923	21.222	ug/l	98
6) Chloroethane	2.81	64	31969	21.719	ug/l	95
7) Trichlorofluoromethane	3.15	101	67529	22.912	ug/l	95
8) Diethyl Ether	3.55	74	26655	21.424	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	43565	23.211	ug/l	98
10) Methyl Iodide	4.12	142	49464	19.981	ug/l	99
11) Tert butyl alcohol	4.99	59	32495	117.909	ug/l	96
12) 1,1-Dichloroethene	3.90	96	44082	22.400	ug/l	98
13) Acrolein	3.75	56	17771	111.650	ug/l	99
14) Allyl chloride	4.50	41	79674	22.702	ug/l	97
15) Acrylonitrile	5.20	53	72022	113.089	ug/l	100
16) Acetone	3.97	43	68216	124.590	ug/l	97
17) Carbon Disulfide	4.22	76	134328	21.703	ug/l	98
18) Methyl Acetate	4.50	43	37072	21.796	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	125743	21.822	ug/l	97
20) Methylene Chloride	4.74	84	56185	20.018	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	49983	21.865	ug/l	98
22) Diisopropyl ether	6.15	45	163665	21.961	ug/l	94
23) Vinyl Acetate	6.09	43	538143	111.229	ug/l	99
24) 1,1-Dichloroethane	6.05	63	87154	22.187	ug/l	98
25) 2-Butanone	7.02	43	103006	117.337	ug/l	98
26) 2,2-Dichloropropane	7.01	77	77866	22.254	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	56232	22.010	ug/l	97
28) Bromochloromethane	7.36	49	31133	19.219	ug/l	98
29) Tetrahydrofuran	7.37	42	63071	110.433	ug/l	99
30) Chloroform	7.53	83	84908	22.053	ug/l	99
31) Cyclohexane	7.80	56	86954	22.295	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	73778	22.694	ug/l	98
36) 1,1-Dichloropropene	7.94	75	69111	22.558	ug/l	99
37) Ethyl Acetate	7.10	43	42792	22.860	ug/l	99
38) Carbon Tetrachloride	7.92	117	62615	22.932	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	90218	22.986	ug/l	98
40) Benzene	8.18	78	205188	22.336	ug/l	99
41) Methacrylonitrile	7.33	41	18383m	19.031	ug/l	
42) 1,2-Dichloroethane	8.26	62	56677	22.080	ug/l	99
43) Isopropyl Acetate	8.29	43	82915	22.780	ug/l	99
44) Trichloroethene	8.96	130	52875	22.430	ug/l	97
45) 1,2-Dichloropropane	9.24	63	51794	22.303	ug/l	100
46) Dibromomethane	9.32	93	27898	22.377	ug/l	95
47) Bromodichloromethane	9.51	83	66682	22.374	ug/l	97
48) Methyl methacrylate	9.31	41	36975	22.346	ug/l	98
49) 1,4-Dioxane	9.31	88	7724	439.330	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	211386	112.772	ug/l	100
52) Toluene	10.25	92	129824	22.294	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	74342	22.505	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	85079	22.439	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	40244	21.870	ug/l	95
56) Ethyl methacrylate	10.52	69	62332	22.412	ug/l	99
57) 1,3-Dichloropropane	10.80	76	73068	22.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	108660	112.904	ug/l	98
59) 2-Hexanone	10.85	43	153749	117.820	ug/l	100
60) Dibromochloromethane	11.00	129	45008	21.869	ug/l	100
61) 1,2-Dibromoethane	11.10	107	38866	22.342	ug/l	97
64) Tetrachloroethene	10.73	164	41508	22.401	ug/l	95
65) Chlorobenzene	11.53	112	137223	22.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	46864	22.458	ug/l	99
67) Ethyl Benzene	11.60	91	253454	22.492	ug/l	99
68) m/p-Xylenes	11.71	106	191428	45.484	ug/l	97
69) o-Xylene	12.04	106	89878	22.199	ug/l	100
70) Styrene	12.05	104	155953	21.954	ug/l	99
71) Bromoform	12.22	173	27165	21.808	ug/l #	99
73) Isopropylbenzene	12.34	105	244185	21.975	ug/l	99
74) N-amyl acetate	12.15	43	78650	21.623	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	52340	21.993	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	35583m	20.969	ug/l	
77) Bromobenzene	12.62	156	52746	21.431	ug/l	98
78) n-propylbenzene	12.68	91	295734	22.111	ug/l	100
79) 2-Chlorotoluene	12.77	91	167054	21.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	204071	22.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	19615	21.874	ug/l	97
82) 4-Chlorotoluene	12.86	91	173921	21.309	ug/l	99
83) tert-Butylbenzene	13.08	119	172013	22.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	204771	21.989	ug/l	98
85) sec-Butylbenzene	13.26	105	249184	22.432	ug/l	99
86) p-Isopropyltoluene	13.38	119	220014	22.475	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	105124	22.178	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	104767	21.768	ug/l	98
89) n-Butylbenzene	13.70	91	222745	22.609	ug/l	100
90) Hexachloroethane	13.97	117	41044	22.119	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	95667	21.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8985	21.880	ug/l	96

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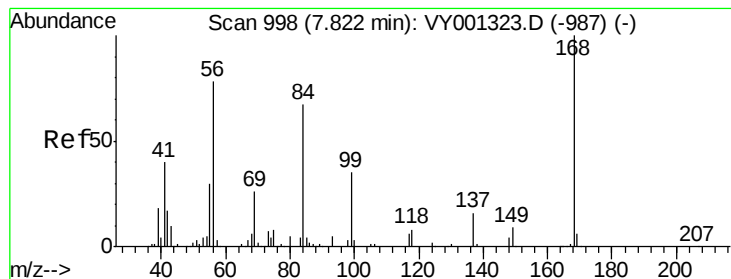
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APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62734	21.382	ug/l	99
94) Hexachlorobutadiene	15.12	225	31044	21.730	ug/l	97
95) Naphthalene	15.25	128	146526	21.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	55676	21.632	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion:168 Resp: 185352

Ion Ratio Lower Upper

168 100

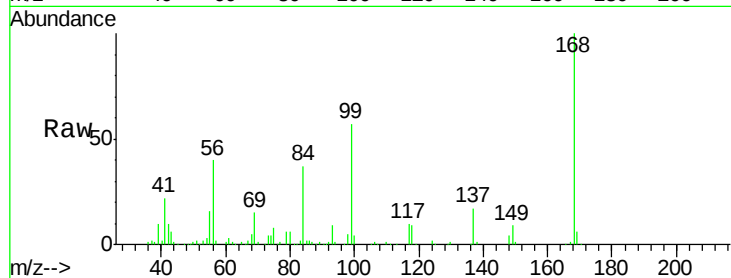
99 56.7 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

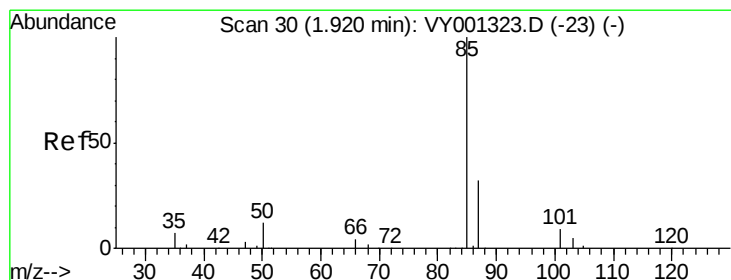
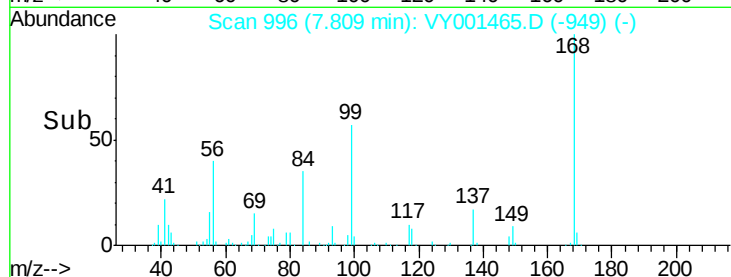
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.399 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001465.D

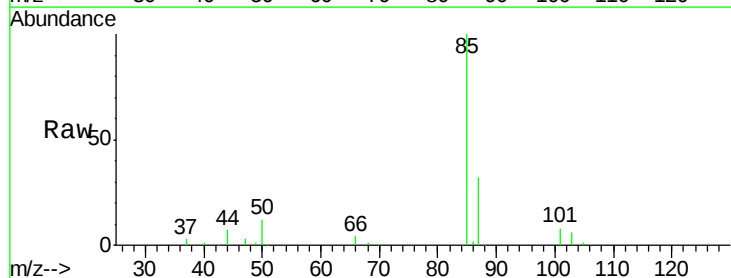
Acq: 03 Feb 2020 11:47

Tgt Ion: 85 Resp: 31279

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

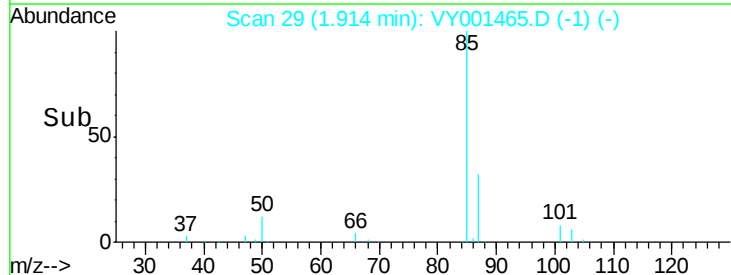
10000

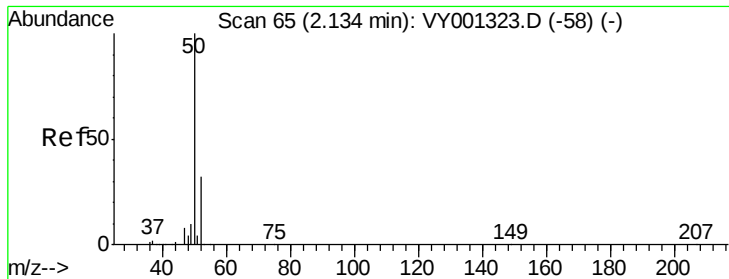
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.021 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 50 Resp: 48649

Ion Ratio Lower Upper

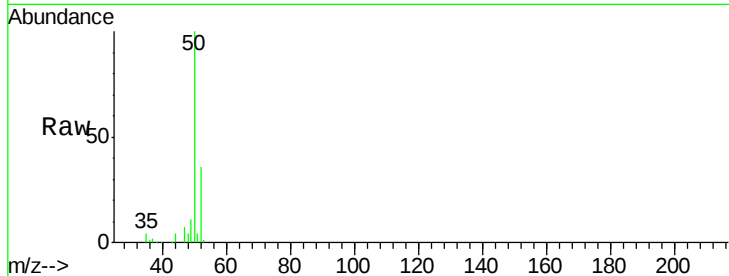
50 100

52 36.0 25.7 38.5

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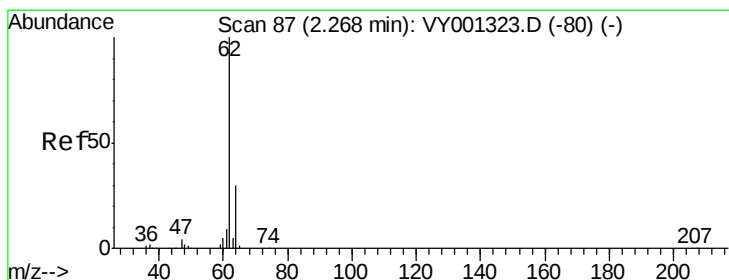
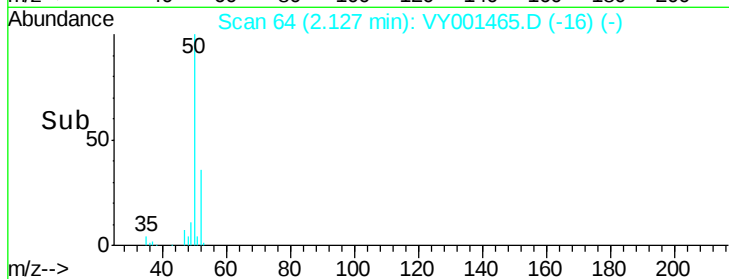
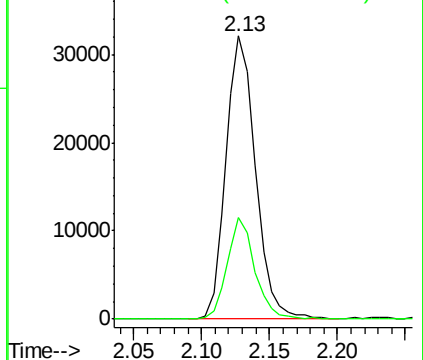
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.326 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001465.D

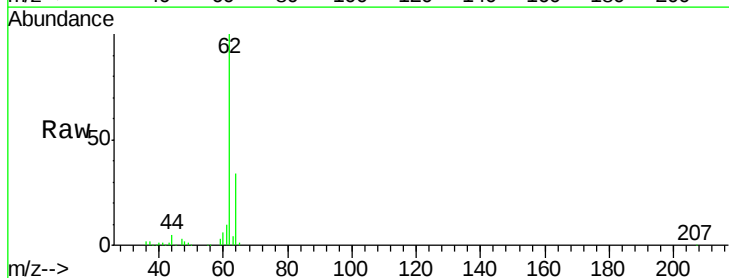
Acq: 03 Feb 2020 11:47

Tgt Ion: 62 Resp: 49126

Ion Ratio Lower Upper

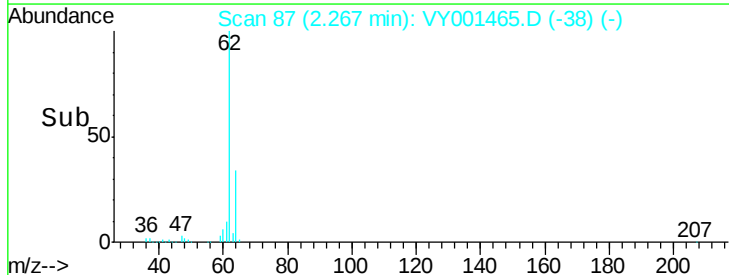
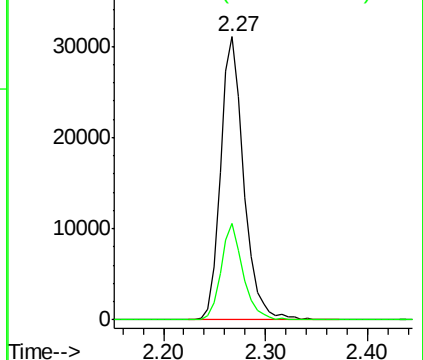
62 100

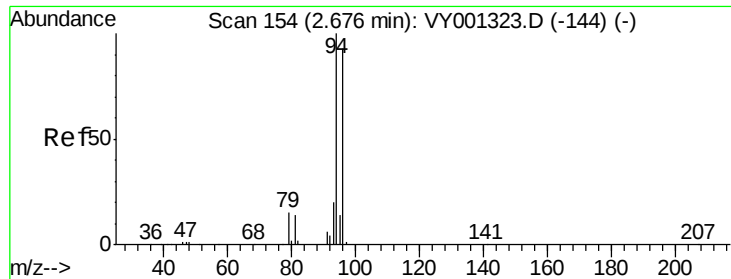
64 34.1 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 21.222 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.02 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 94 Resp: 32923

Ion Ratio Lower Upper

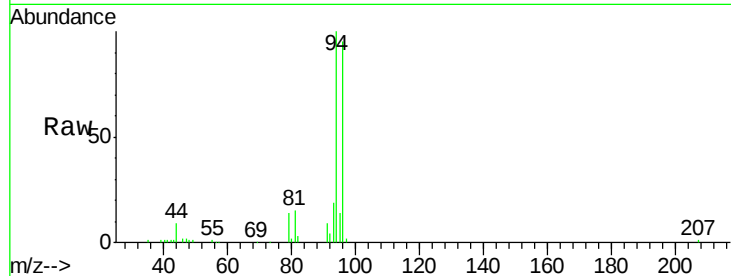
94 100

96 94.7 74.6 111.8

Manual Integrations
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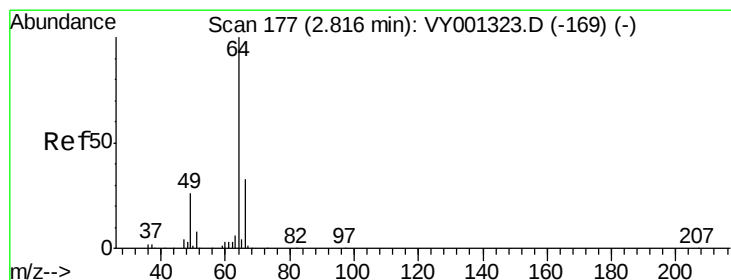
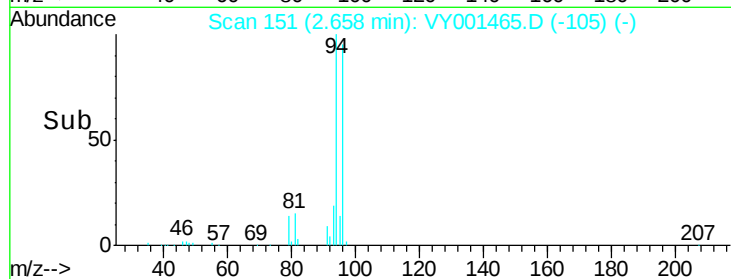
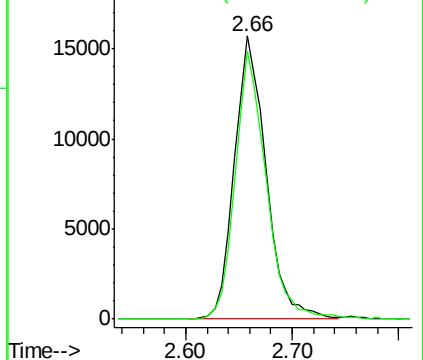
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.719 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001465.D

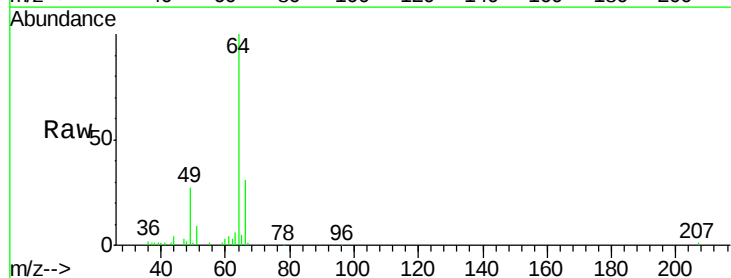
Acq: 03 Feb 2020 11:47

Tgt Ion: 64 Resp: 31969

Ion Ratio Lower Upper

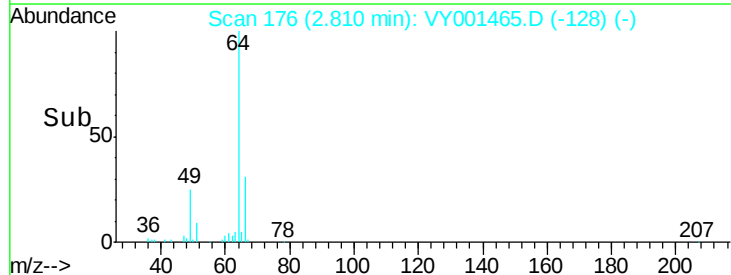
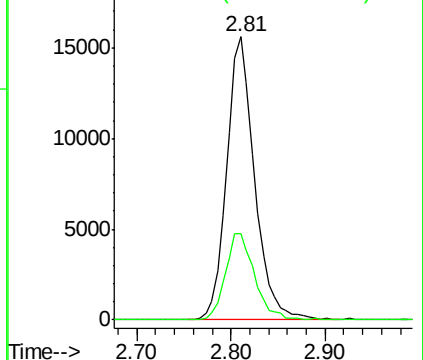
64 100

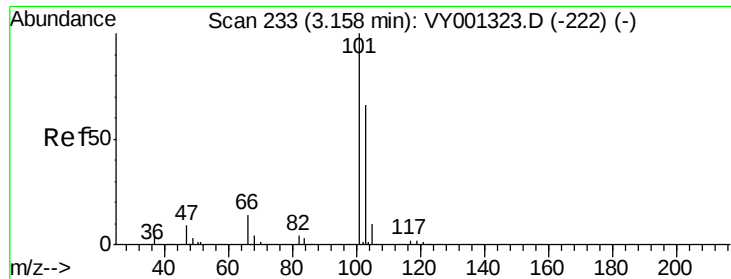
66 30.5 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

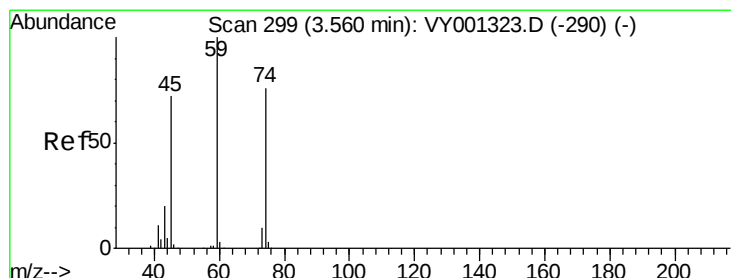
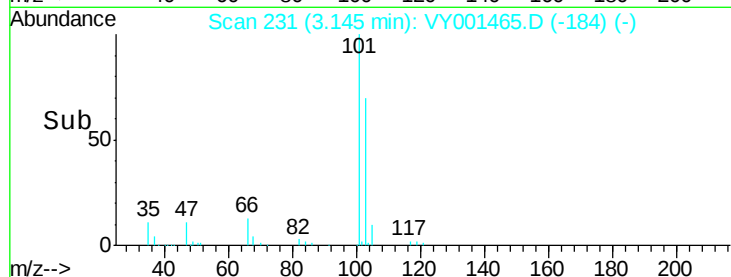
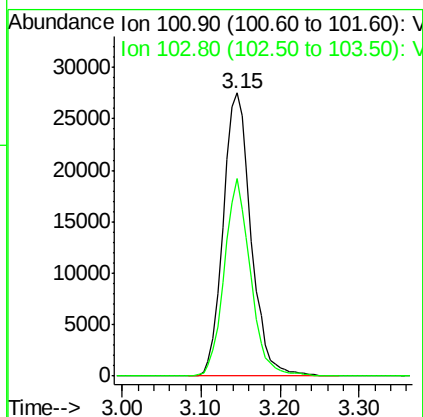
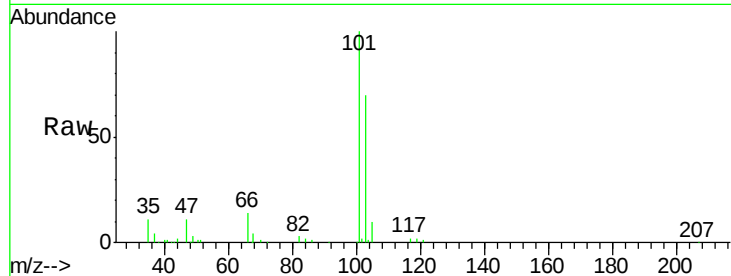
Trichlorofluoromethane
Concen: 22.912 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.9	52.5	78.7

Manual Integrations
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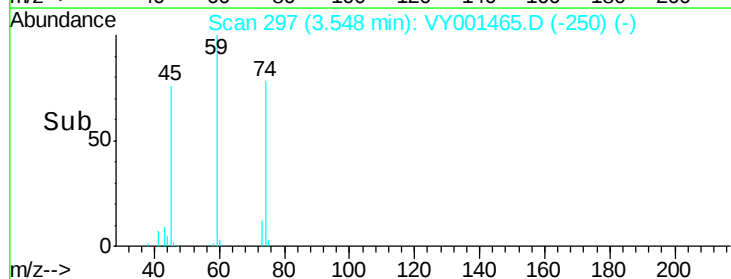
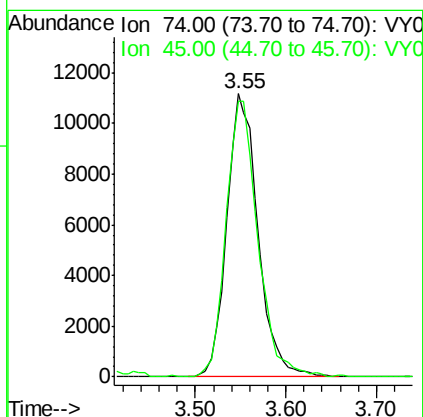
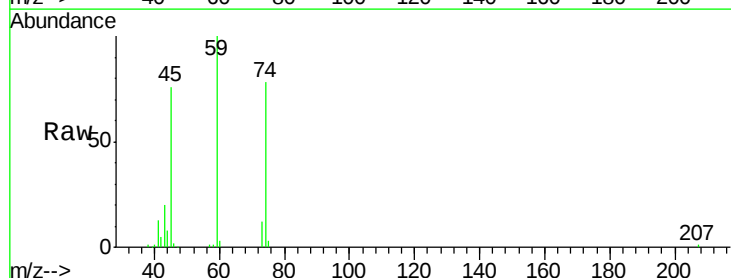
MMDadoda
2/4/2020 11:21:43 AM



#8

Diethyl Ether
Concen: 21.424 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.211 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.02 min

Lab File: VY001465.D

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Instrument :

MSVOA_Y

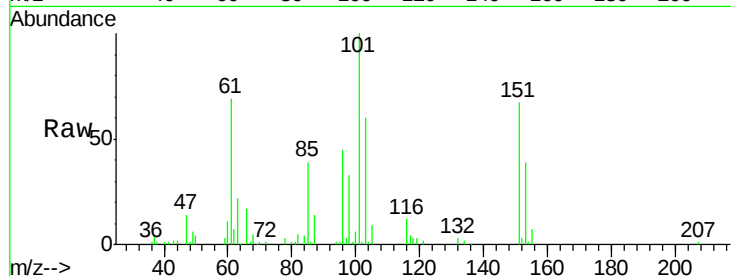
ClientSampleId :

VY0203SBS01

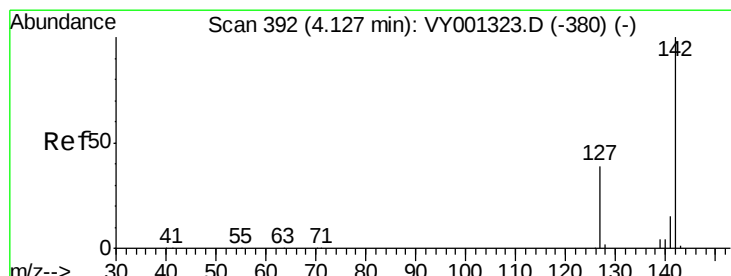
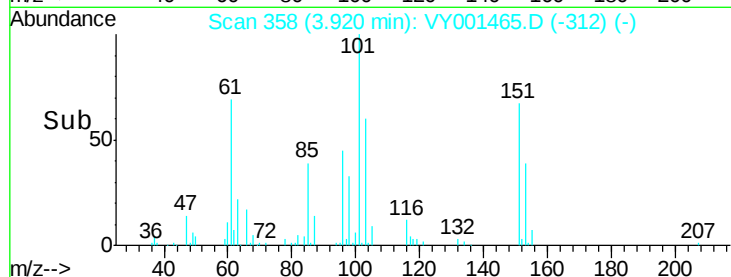
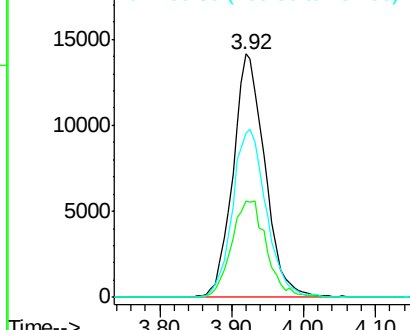
Tot Ion:	101	Resp:	43565
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	72.8	59.9	89.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.981 ug/l

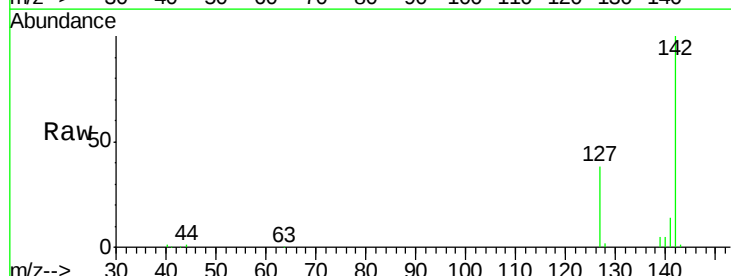
RT: 4.12 min Scan# 391

Delta R.T. -0.01 min

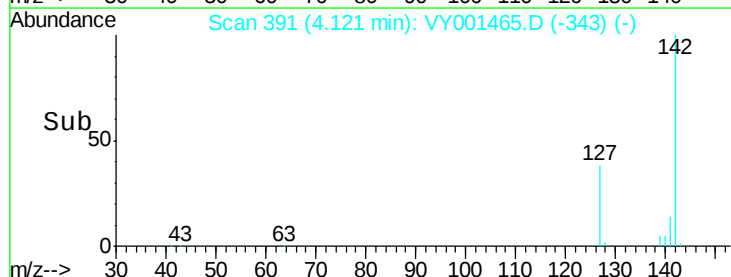
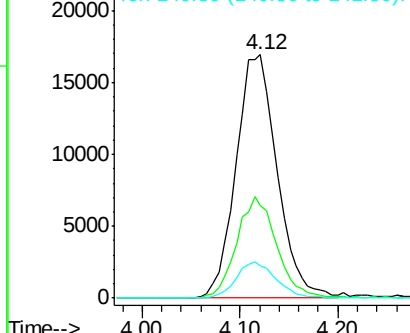
Lab File: VY001465.D

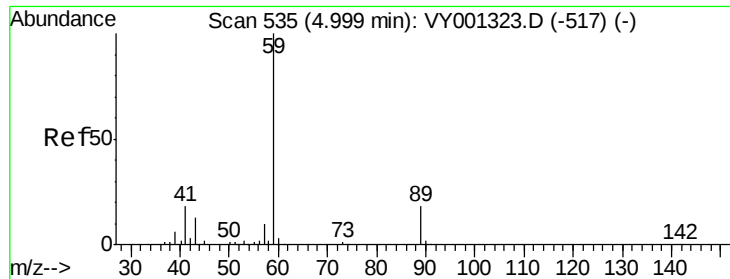
Acq: 03 Feb 2020 11:47

Tgt Ion:	142	Resp:	49464
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.6	47.4
141	14.5	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





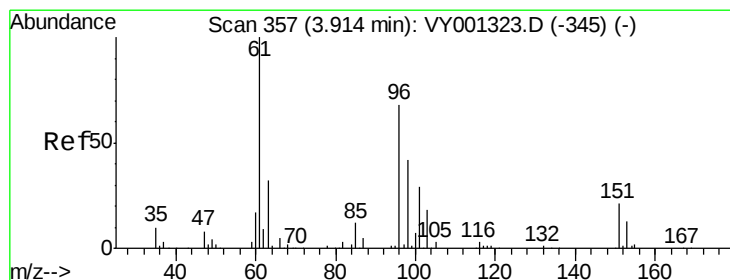
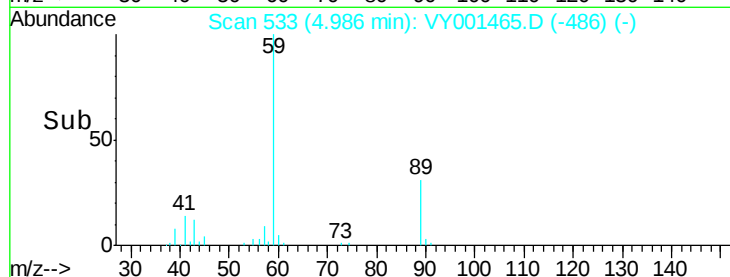
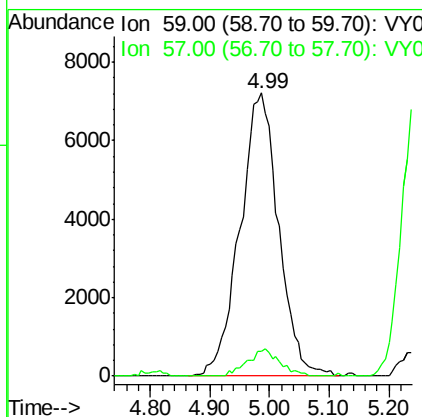
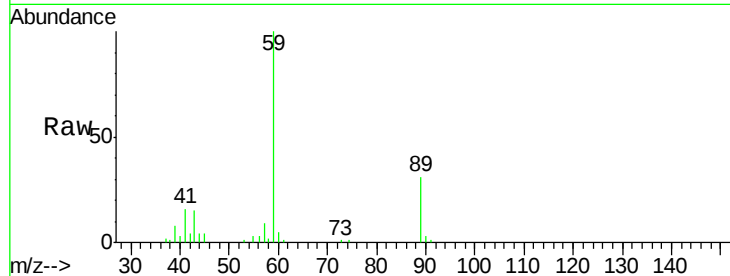
#11
Tert butyl alcohol
Concen: 117.909 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

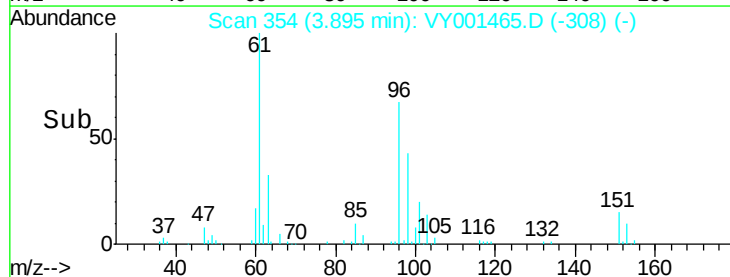
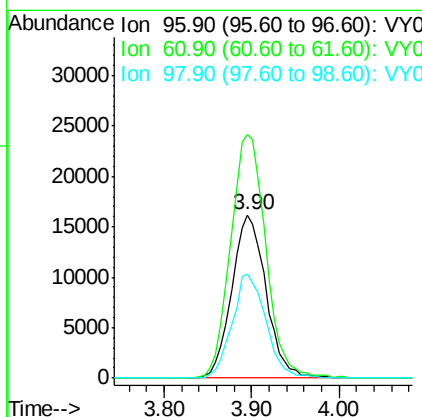
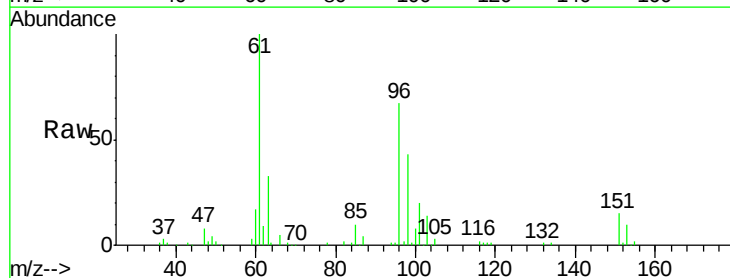
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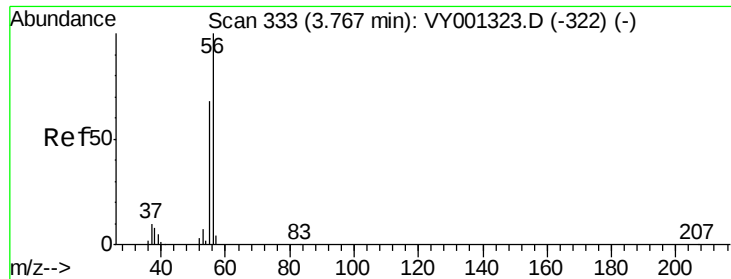
MMDadoda
2/4/2020 11:21:43 AM



#12
1,1-Dichloroethene
Concen: 22.400 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.02 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	118.0	177.0
98	63.5	49.4	74.2





#13

Acrolein

Concen: 111.650 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 56 Resp: 17771

Ion Ratio Lower Upper

56 100

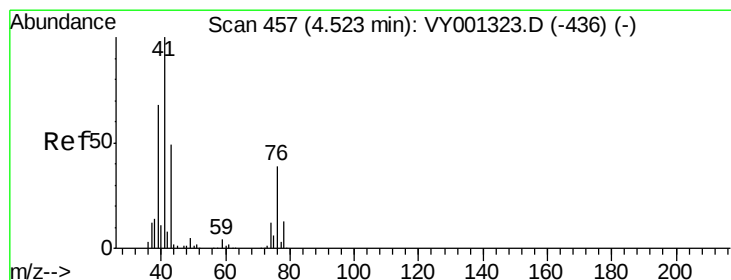
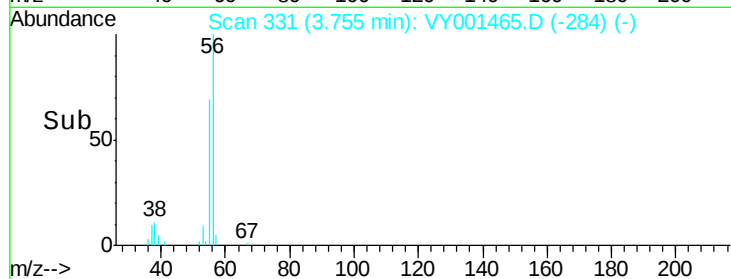
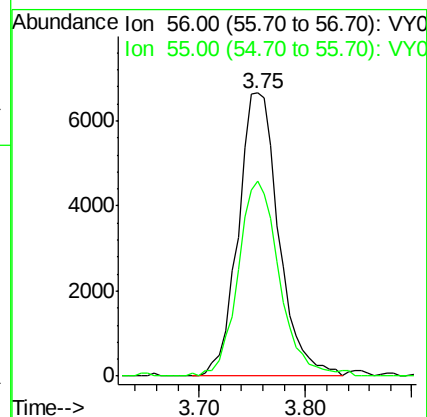
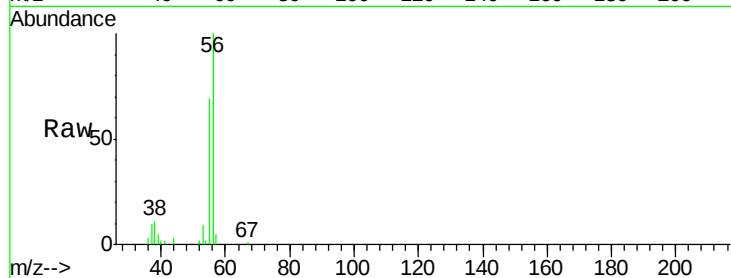
55 70.3 55.9 83.9

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#14

Allyl chloride

Concen: 22.702 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.02 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

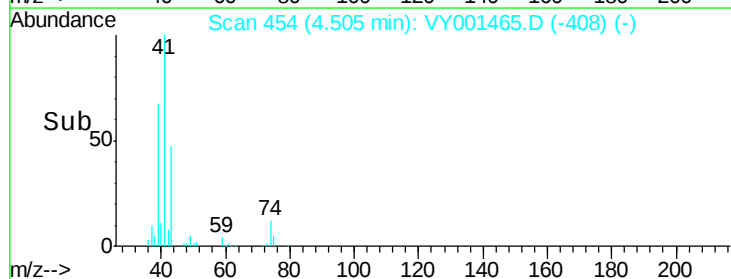
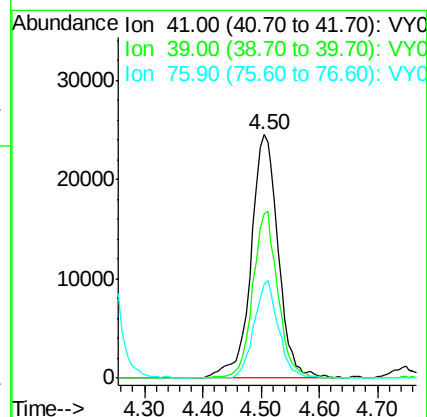
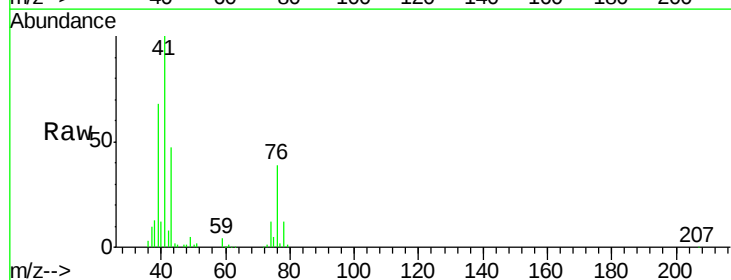
Tgt Ion: 41 Resp: 79674

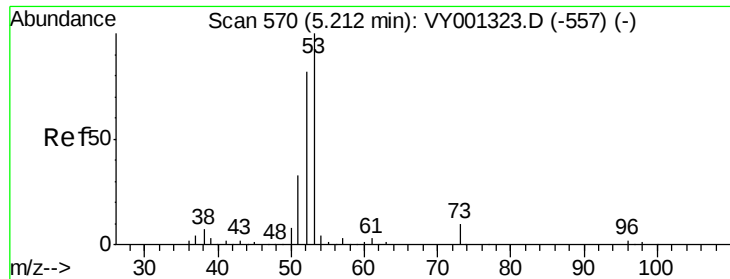
Ion Ratio Lower Upper

41 100

39 62.7 52.2 78.4

76 35.7 29.1 43.7





#15

Acrylonitrile

Concen: 113.089 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

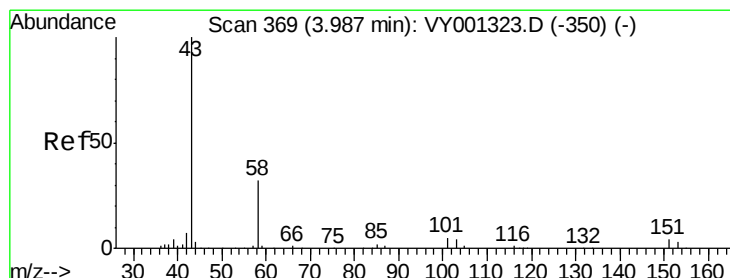
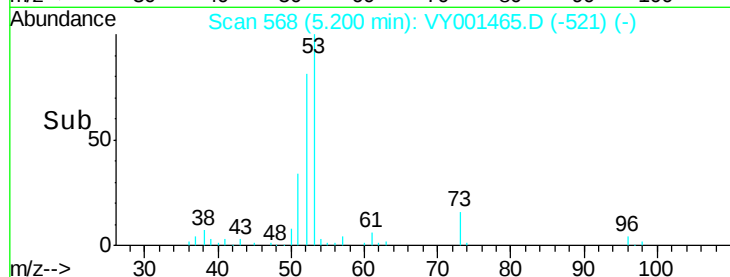
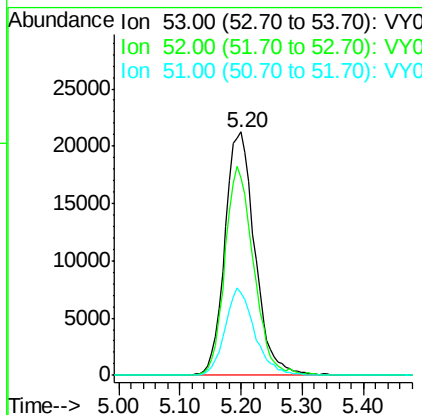
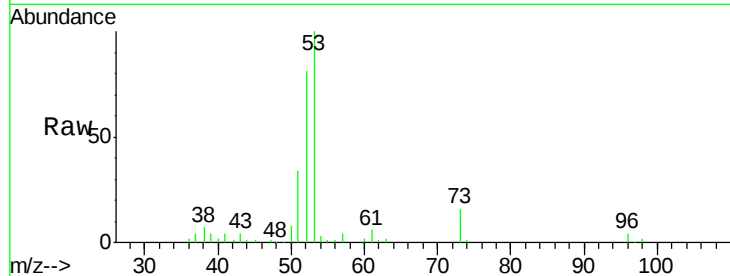
ClientSampleId :

VY0203SBS01

Tot Ion:	53	Resp:	72022
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 124.590 ug/l

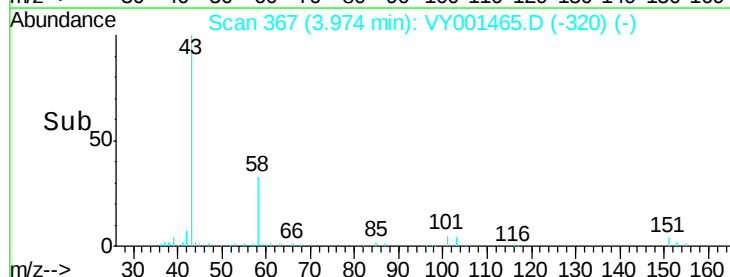
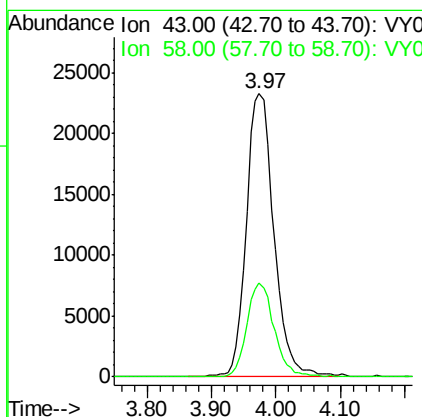
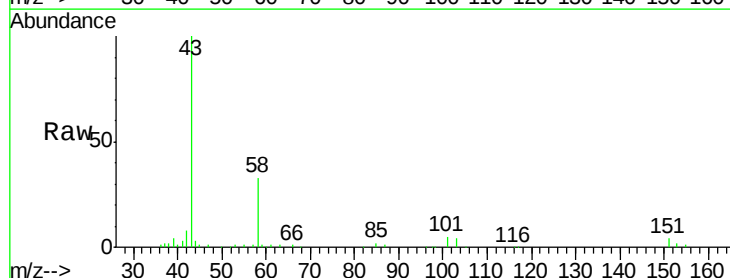
RT: 3.97 min Scan# 367

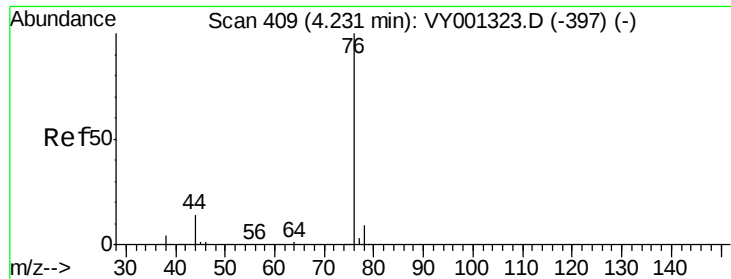
Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	43	Resp:	68216
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.0





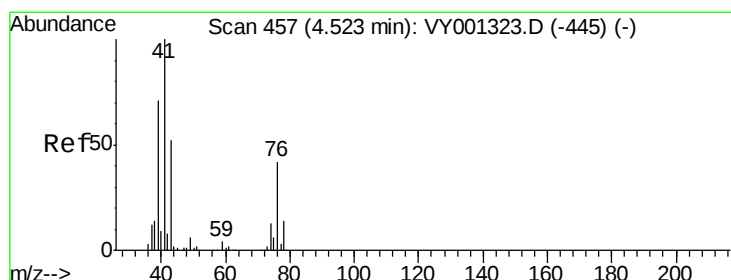
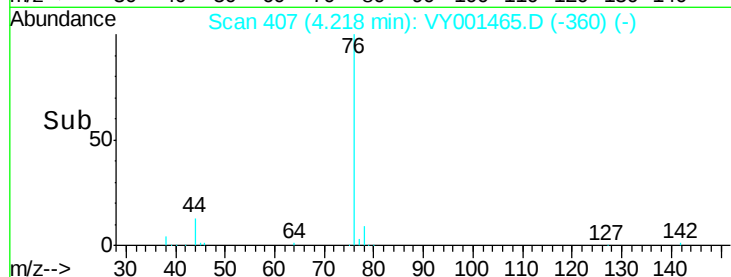
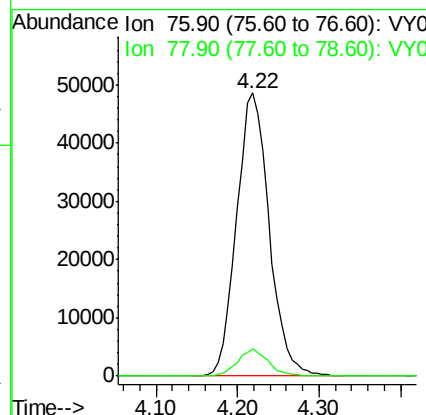
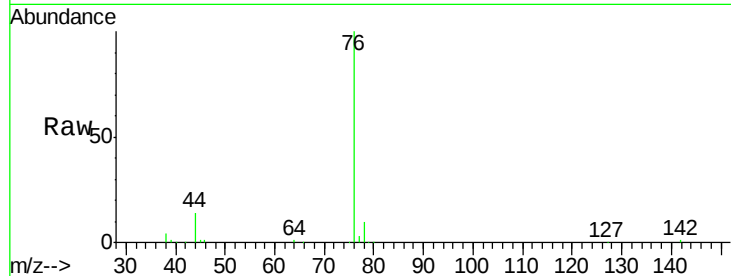
#17
Carbon Disulfide
Concen: 21.703 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.6	7.0	10.6	

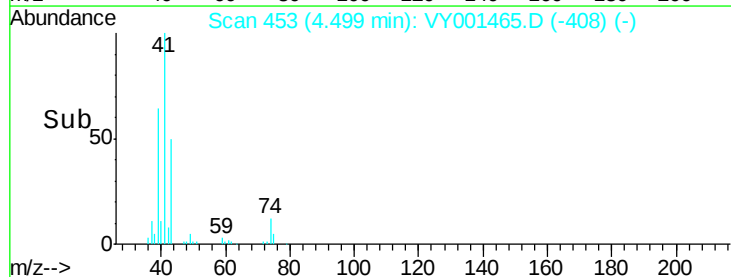
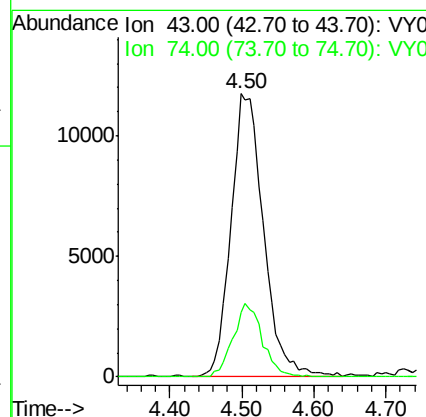
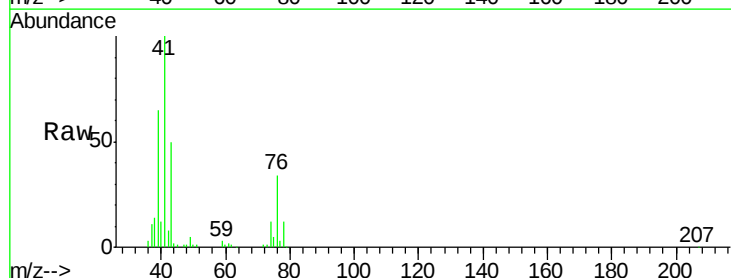
Manual Integrations
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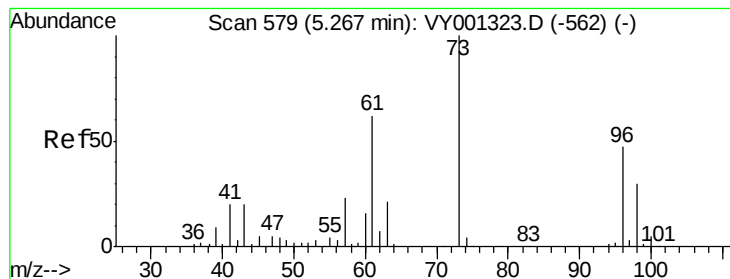
MMDadoda
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#18
Methyl Acetate
Concen: 21.796 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.02 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	23.1	19.4	29.2	





#19

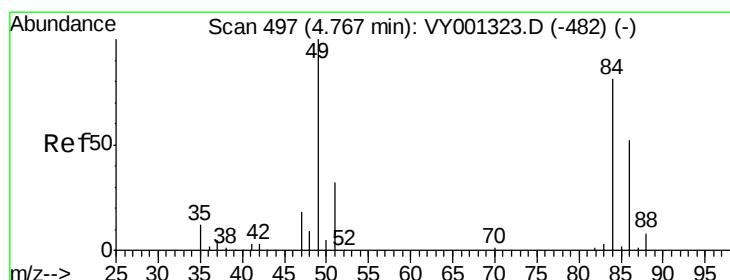
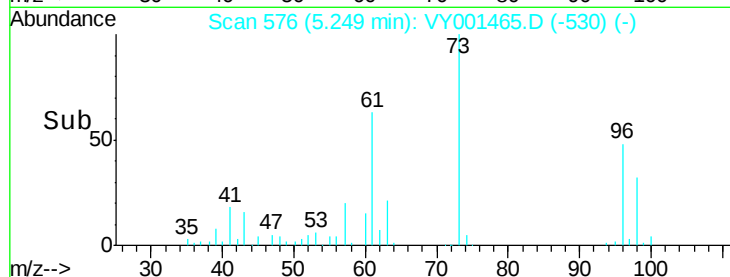
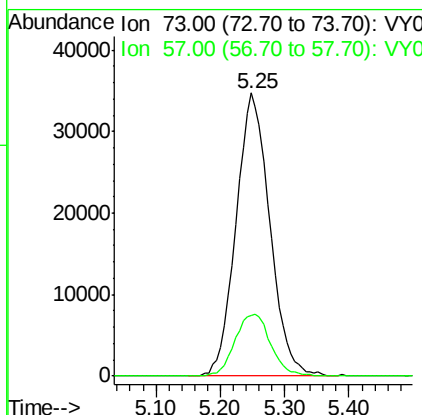
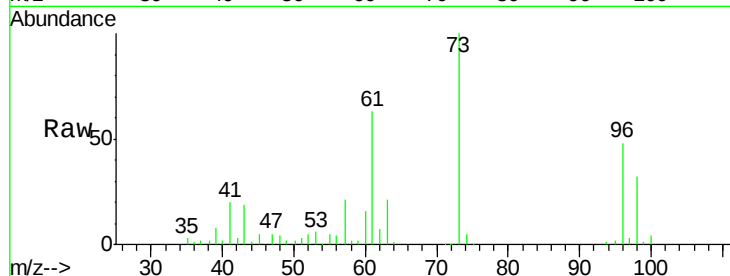
Methyl tert-butyl Ether
 Concen: 21.822 ug/l
 RT: 5.25 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.2	27.2

Manual Integrations
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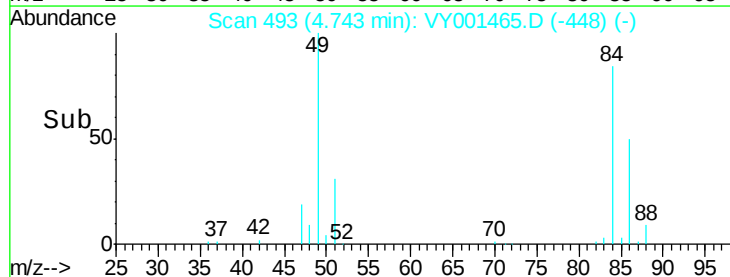
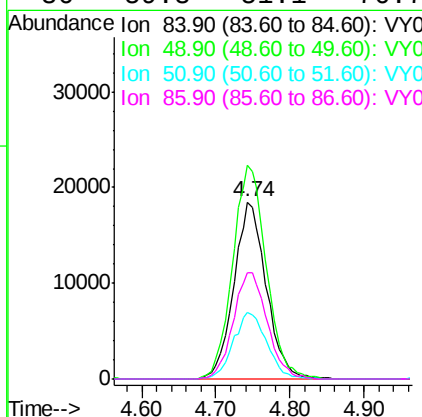
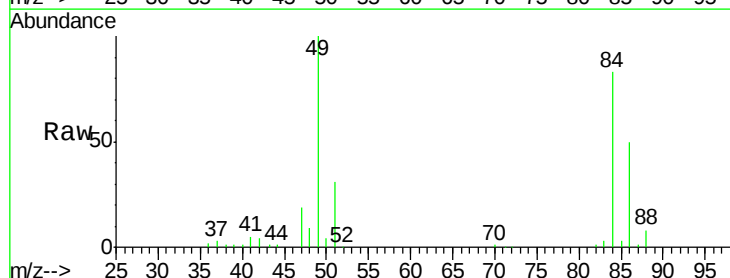
MMDadoda
 2/4/2020 11:21:43 AM

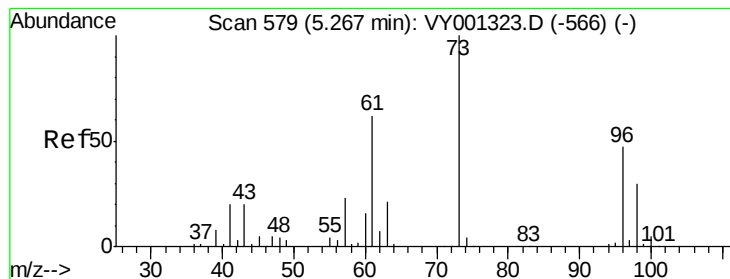


#20

Methylene Chloride
 Concen: 20.018 ug/l
 RT: 4.74 min Scan# 493
 Delta R.T. -0.02 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	98.3	147.5
51	37.9	31.6	47.4
86	59.8	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 21.865 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.02 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

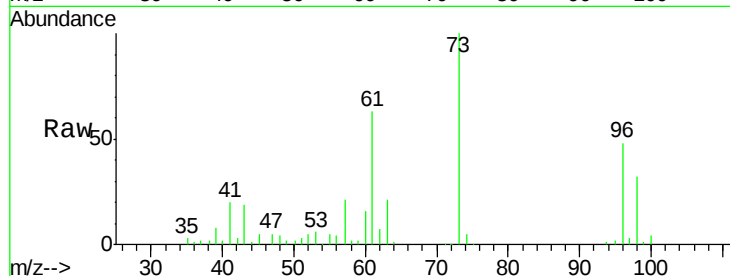
ClientSampleId :

VY0203SBS01

Tot Ion:	96	Resp:	49983
Ion	Ratio	Lower	Upper
96	100		
61	131.0	106.8	160.2
98	66.2	51.0	76.6

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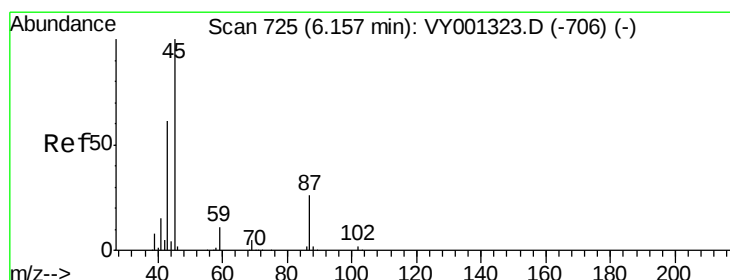
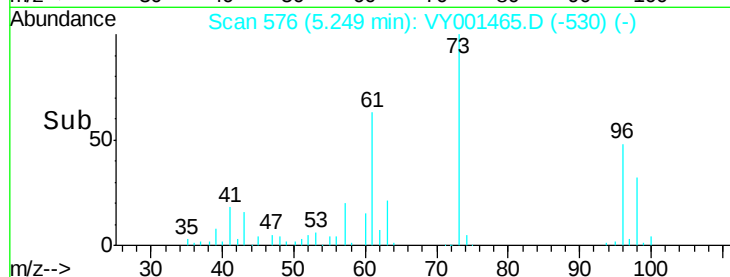
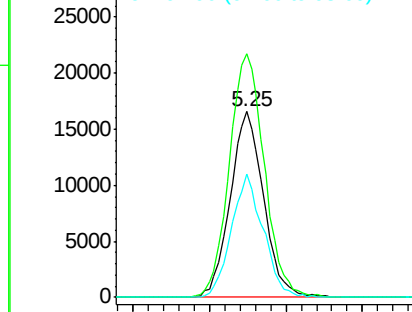


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.961 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	45	Resp:	163665
Ion	Ratio	Lower	Upper
45	100		
43	53.7	49.2	73.8
87	26.8	21.4	32.2
59	11.3	9.3	13.9

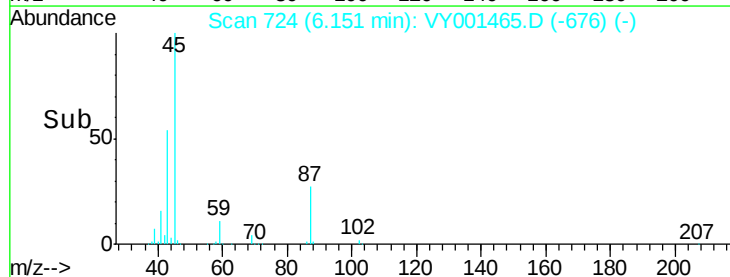
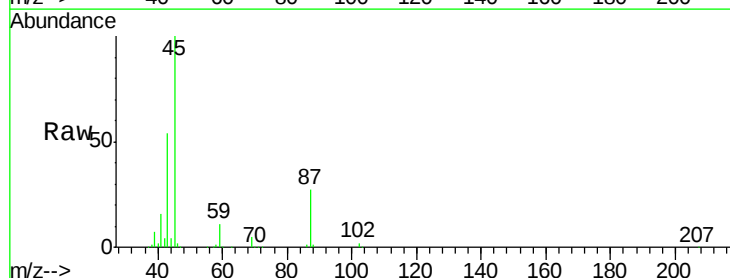
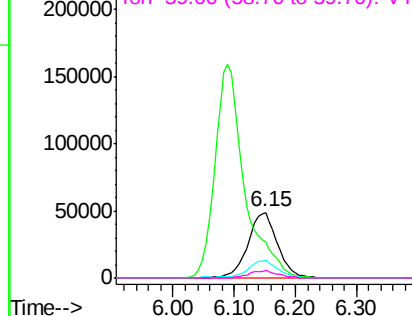
Abundance

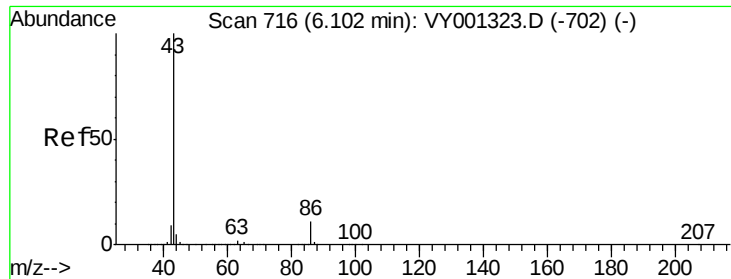
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 111.229 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 43 Resp: 538143

Ion Ratio Lower Upper

43 100

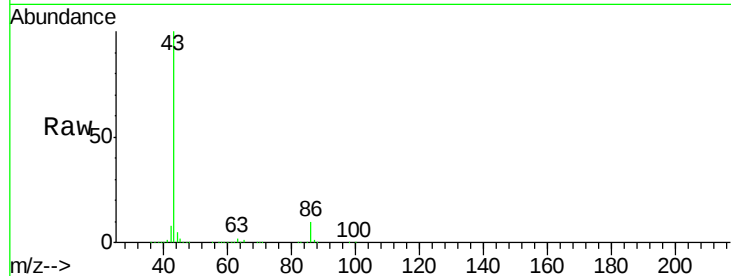
86 10.3 8.6 13.0

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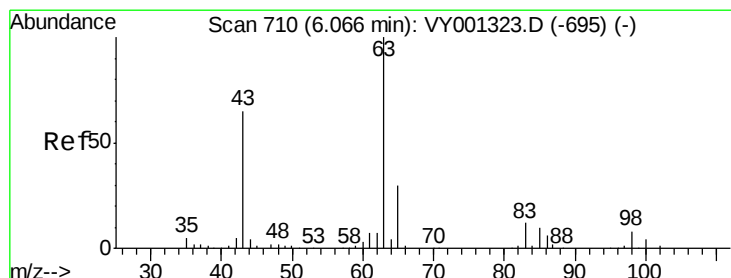
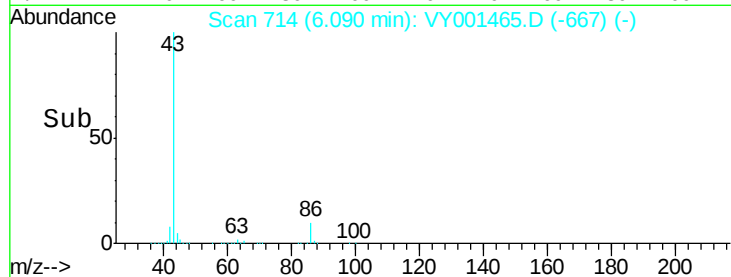
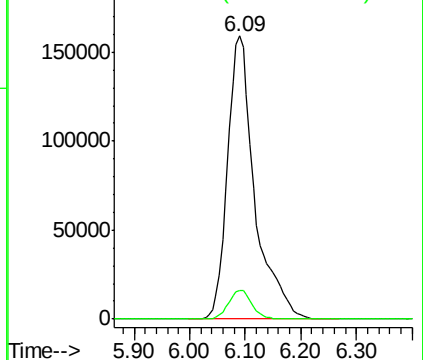
MMDadoda

2/4/2020 11:21:43 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: 22.187 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.02 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

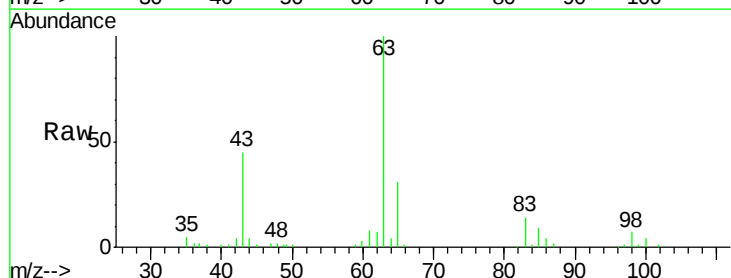
Tgt Ion: 63 Resp: 87154

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

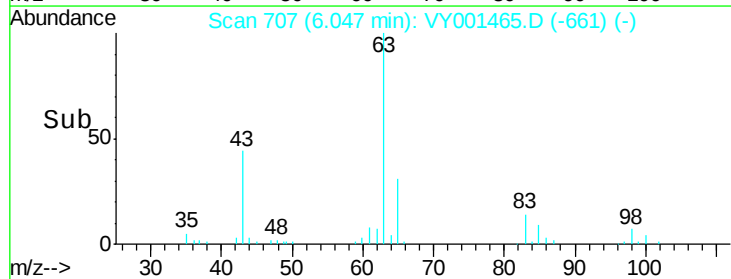
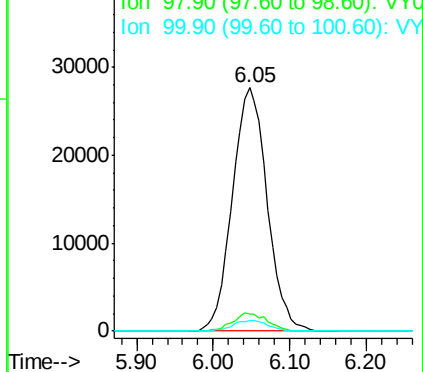
100 4.3 2.1 6.3



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: 117.337 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 43 Resp: 103006

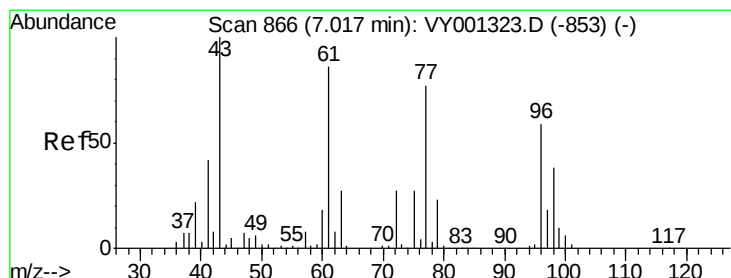
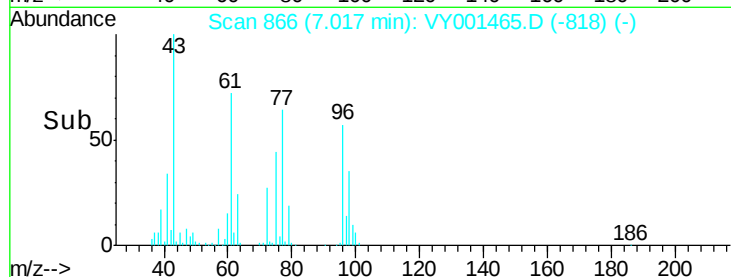
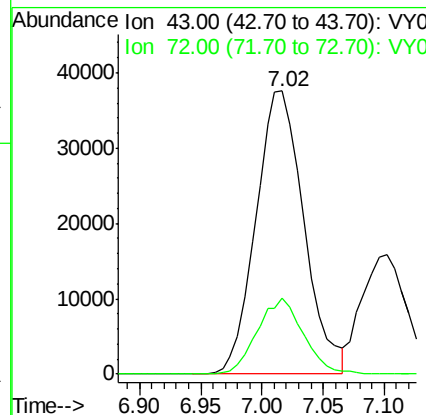
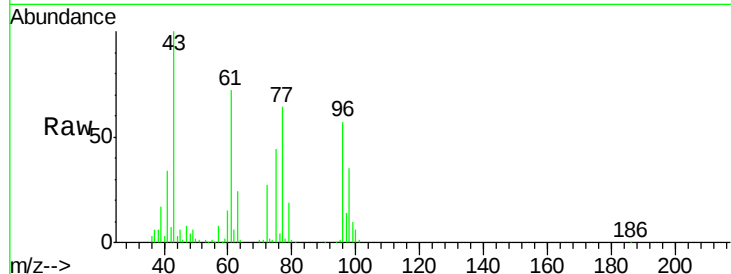
Ion Ratio Lower Upper

43 100

72 26.8 20.6 31.0

Manual Integrations
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2/4/2020 11:21:43 AM



#26

2,2-Dichloropropane

Concen: 22.254 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001465.D

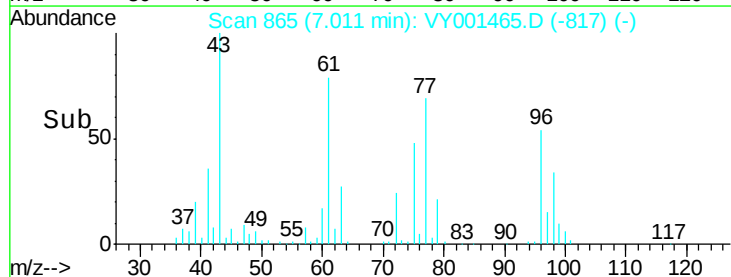
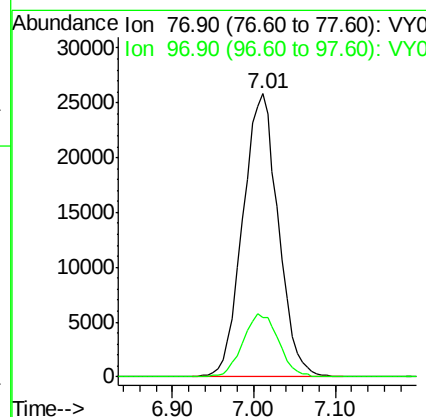
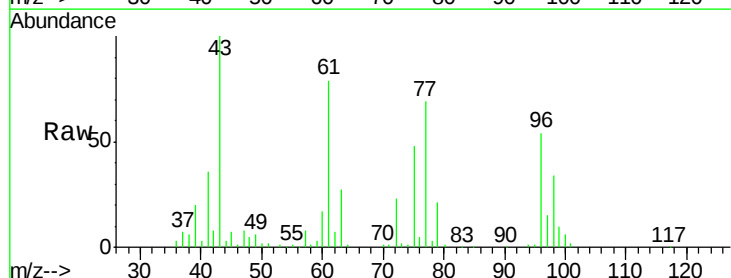
Acq: 03 Feb 2020 11:47

Tgt Ion: 77 Resp: 77866

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.5





#27

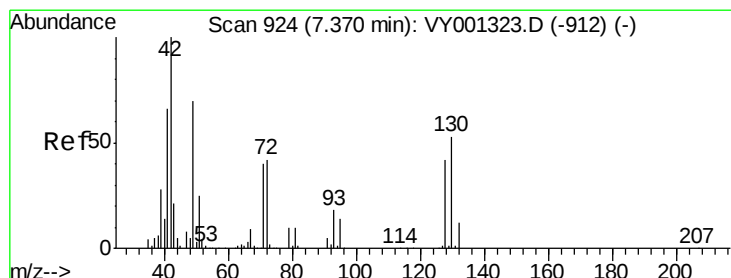
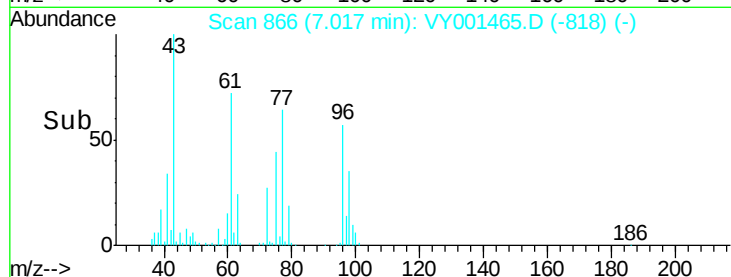
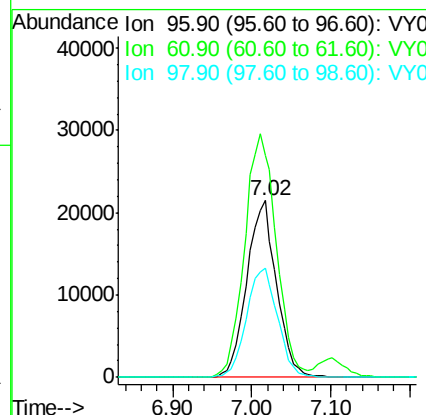
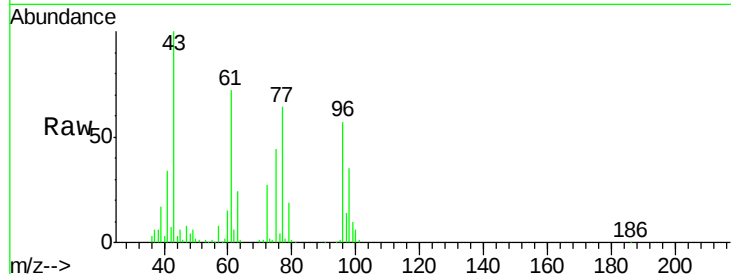
cis-1,2-Dichloroethene
Concen: 22.010 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.0	0.0	284.8	
98	64.3	0.0	128.4	

Manual Integrations
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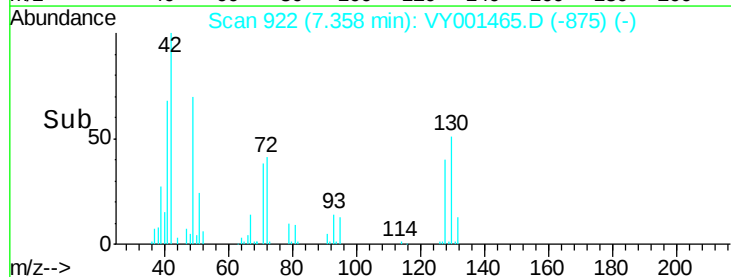
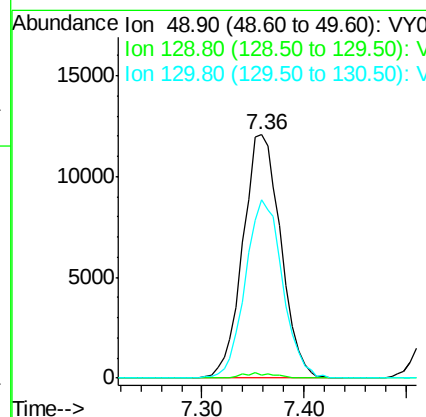
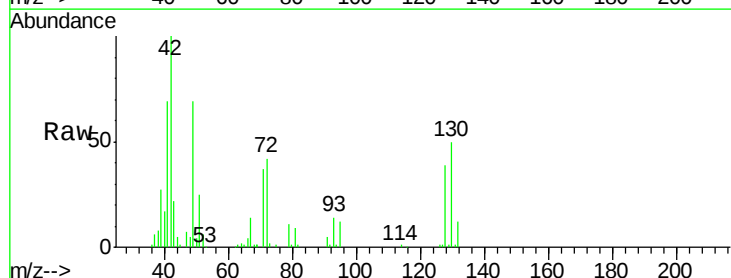
MMDadoda
2/4/2020 11:21:43 AM

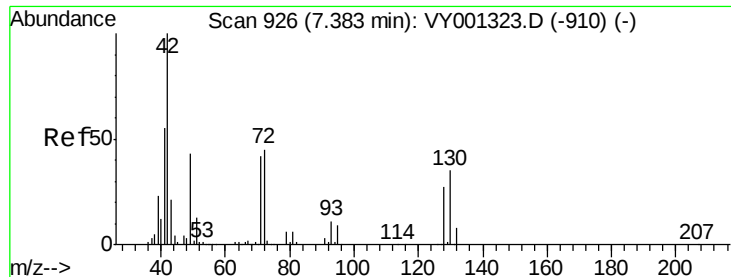


#28

Bromochloromethane
Concen: 19.219 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.0	
130	72.0	58.9	88.3	





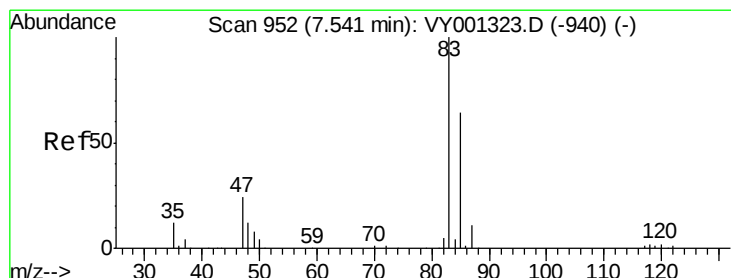
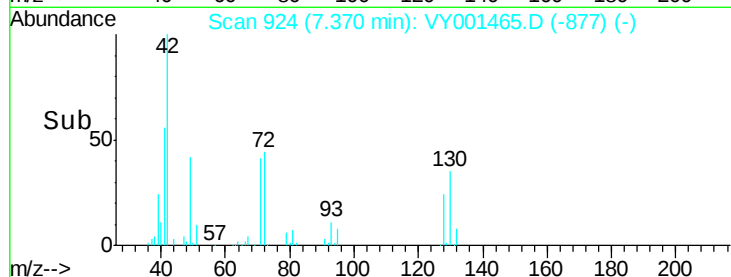
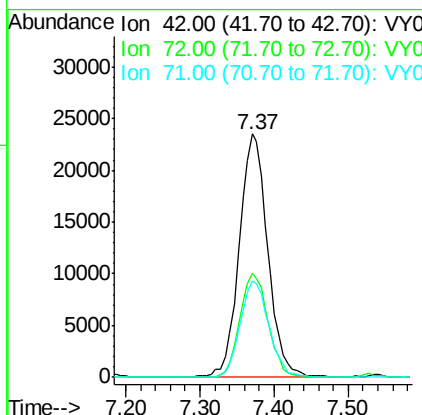
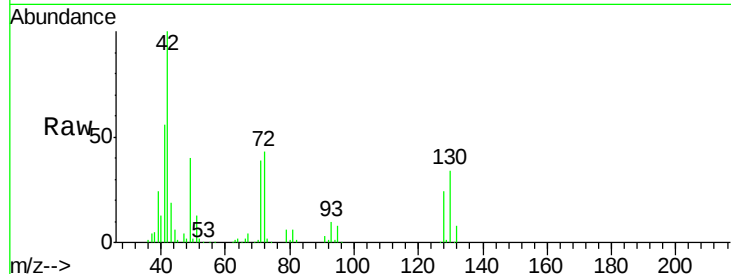
#29
Tetrahydrofuran
Concen: 110.433 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.6	51.8
71	40.1	32.6	48.8

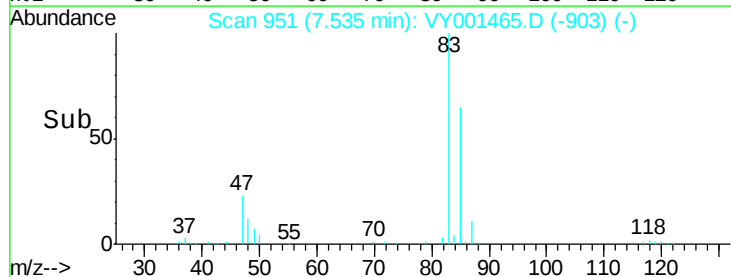
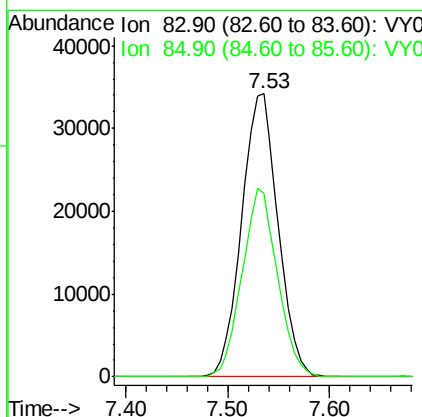
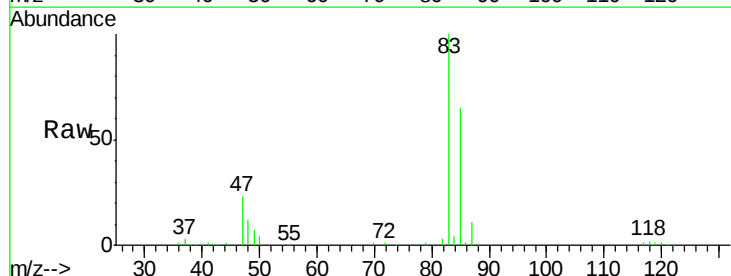
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APPROVED

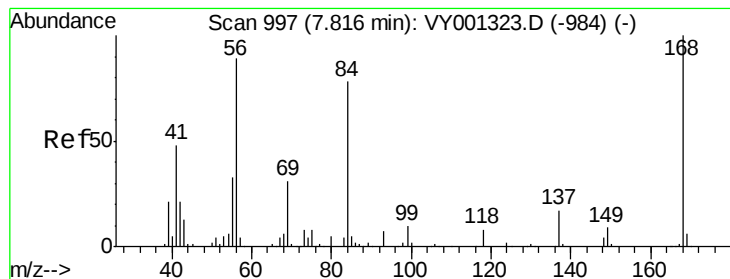
MMDadoda
2/4/2020 11:21:43 AM



#30
Chloroform
Concen: 22.053 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





#31

Cyclohexane

Concen: 22.295 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

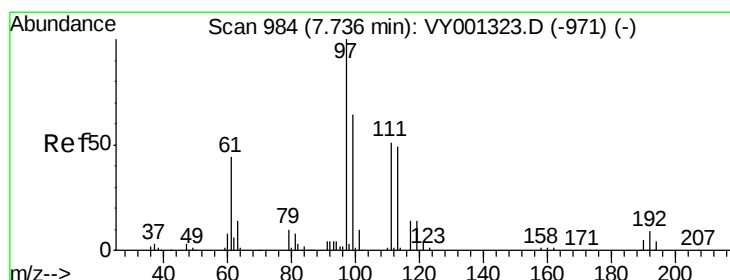
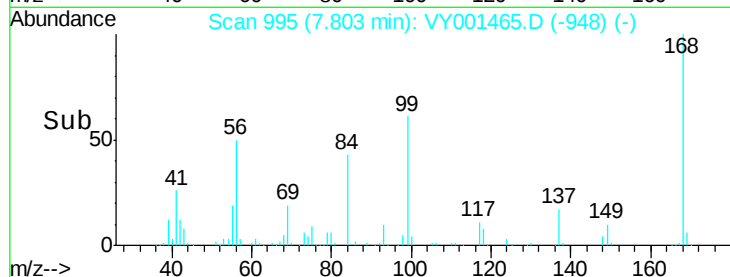
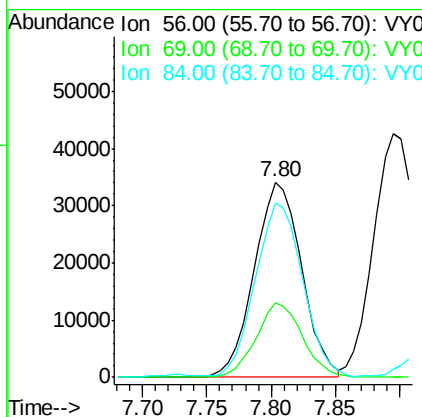
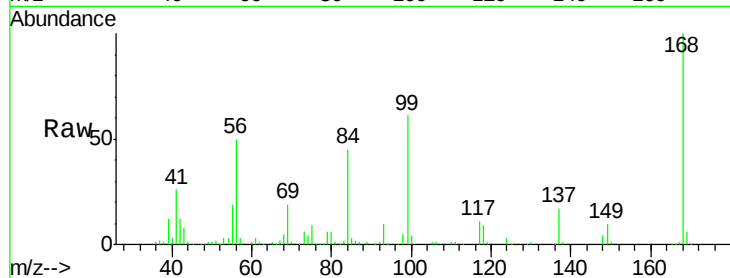
ClientSampleId :

VY0203SBS01

Tot Ion:	56	Resp:	86954
Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.6	41.4
84	88.7	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.694 ug/l

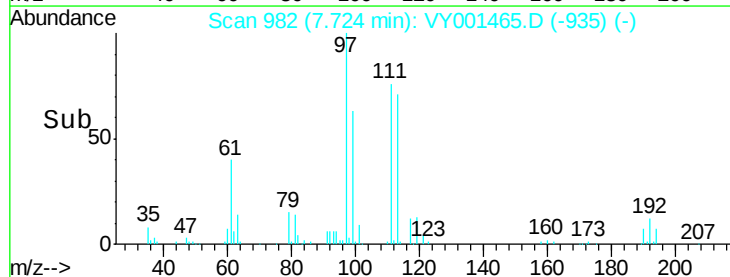
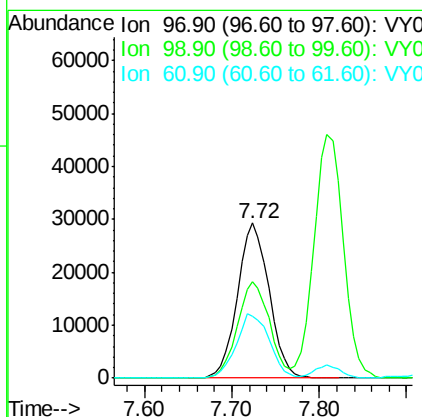
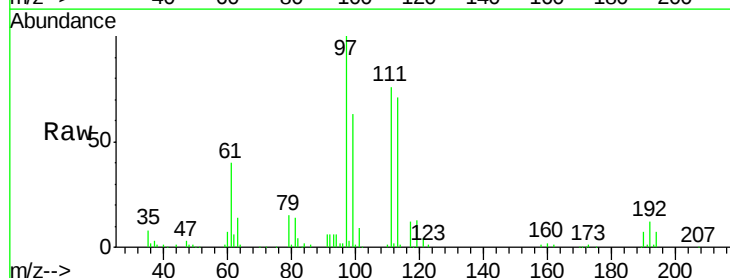
RT: 7.72 min Scan# 982

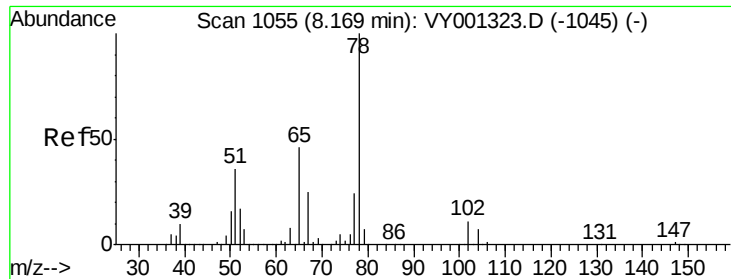
Delta R.T. -0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	97	Resp:	73778
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	43.3	35.9	53.9





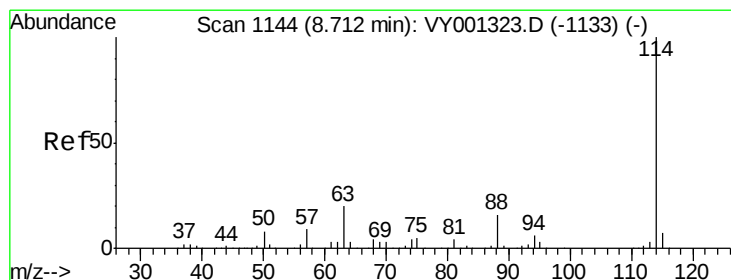
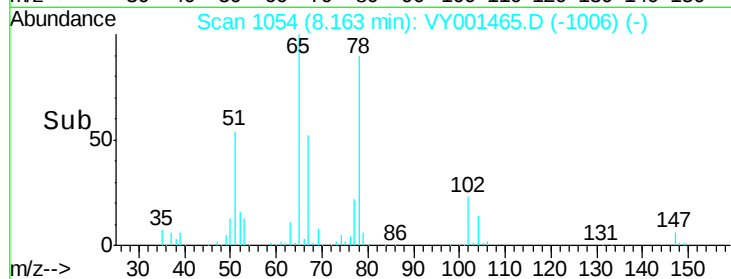
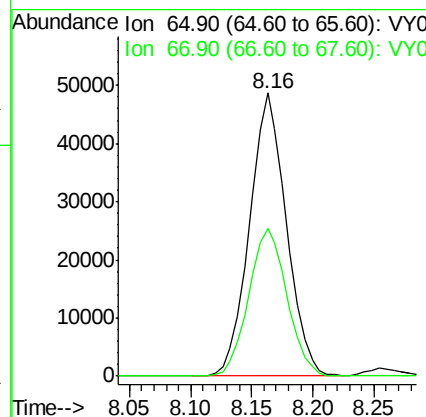
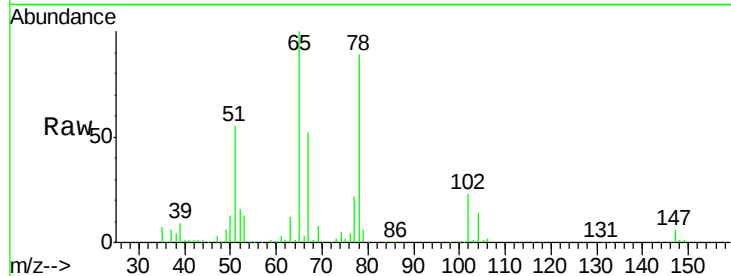
#33
 1,2-Dichloroethane-d4
 Concen: 50.495 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.6	

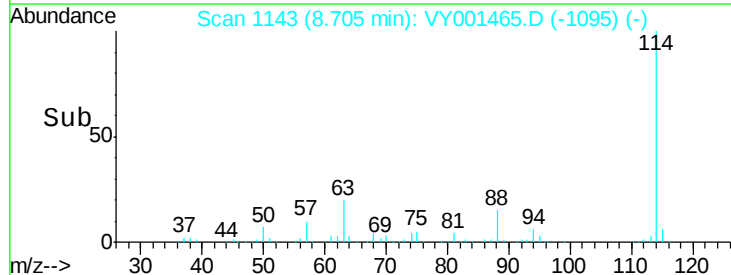
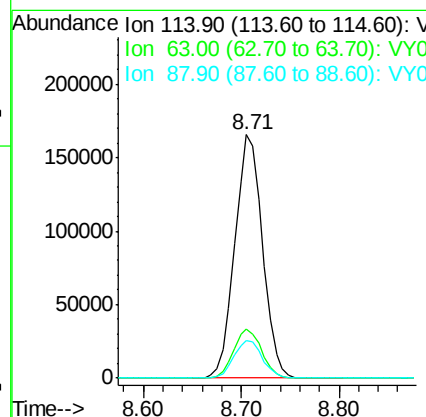
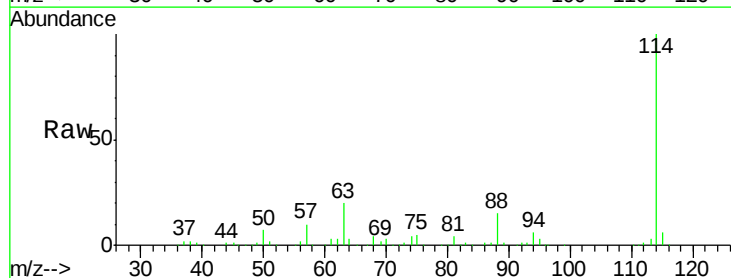
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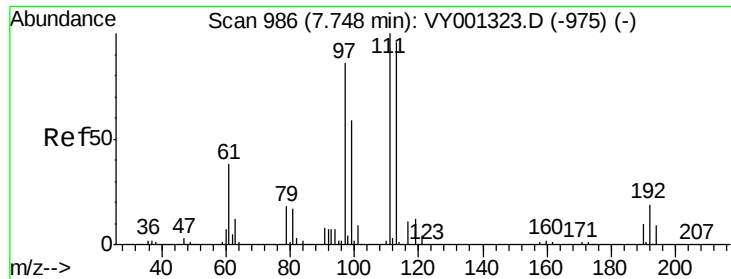
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.8	
88	15.4	0.0	31.0	





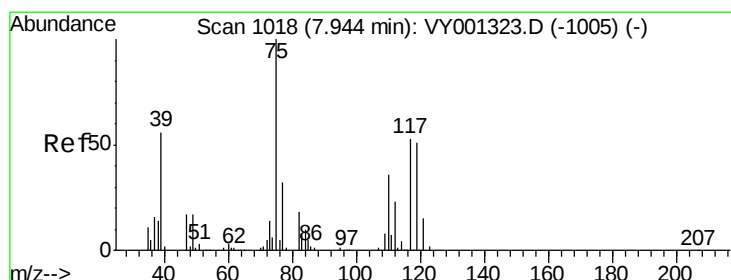
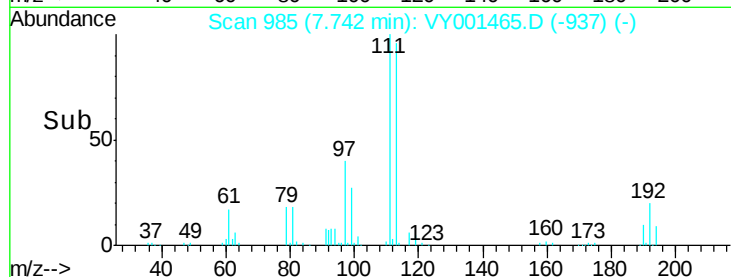
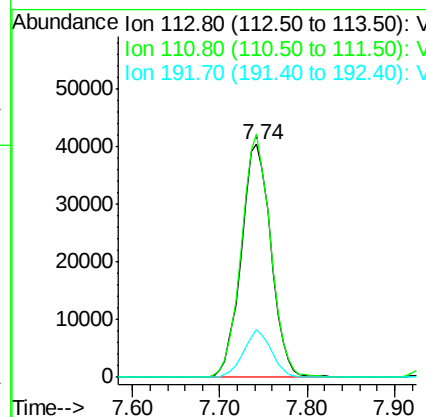
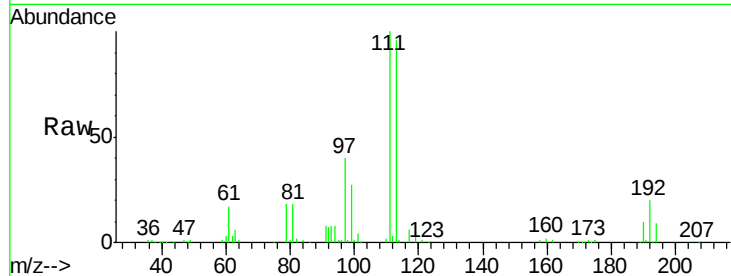
#35
Dibromofluoromethane
Concen: 50.337 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95808		
111	102.3	82.8	124.2	
192	19.2	15.5	23.3	

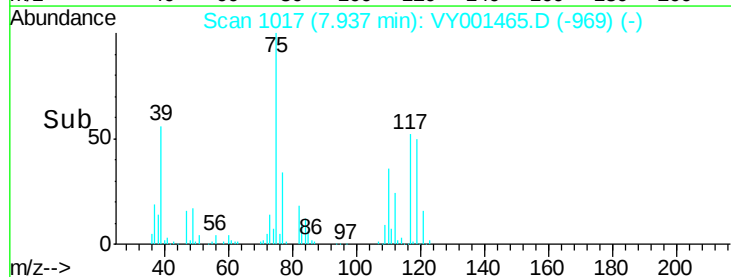
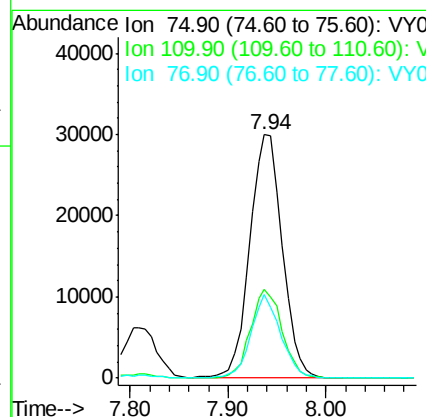
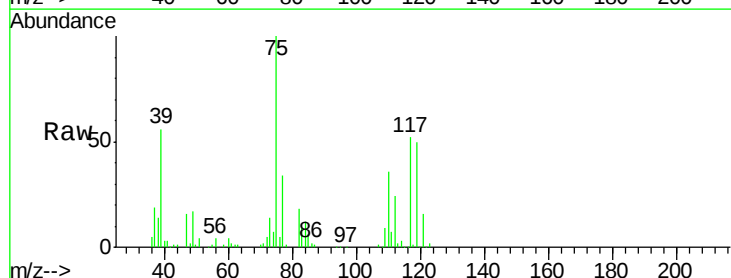
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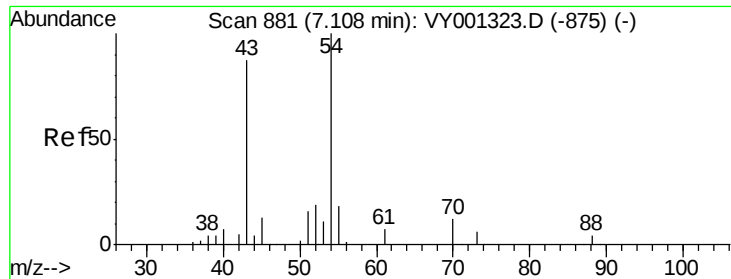
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#36
1,1-Dichloropropene
Concen: 22.558 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69111		
110	35.4	17.6	52.8	
77	31.5	24.7	37.1	





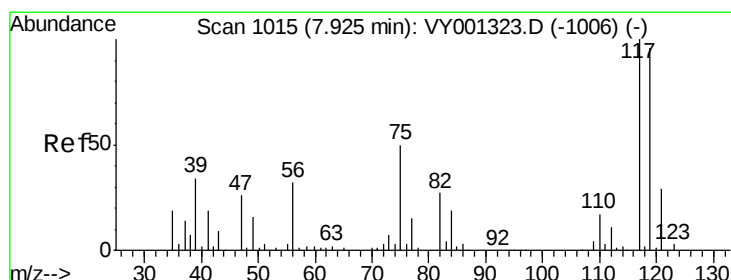
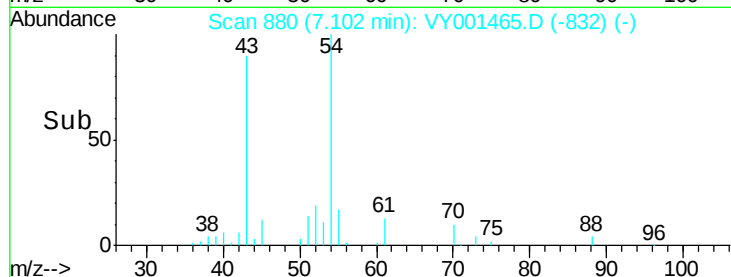
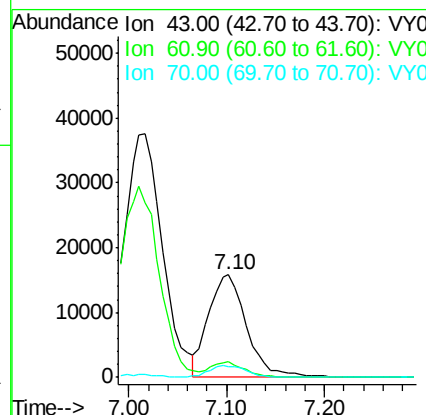
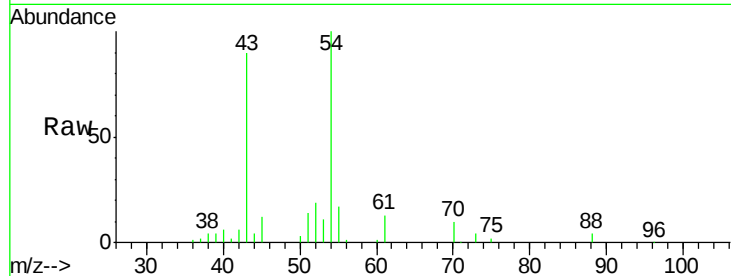
#37
Ethyl Acetate
Concen: 22.860 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	10.9	8.7	13.1

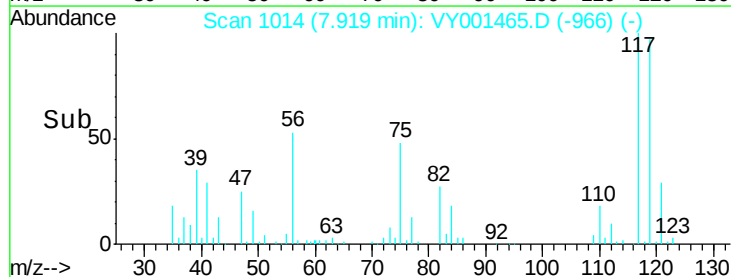
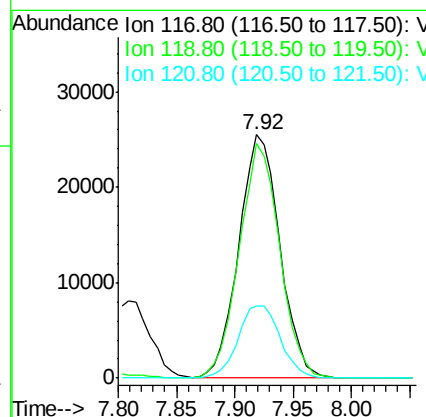
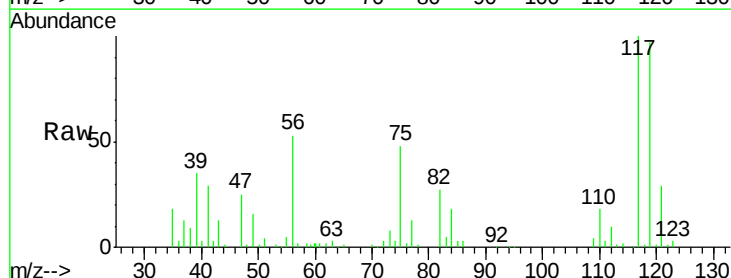
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#38
Carbon Tetrachloride
Concen: 22.932 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	29.4	23.5	35.3





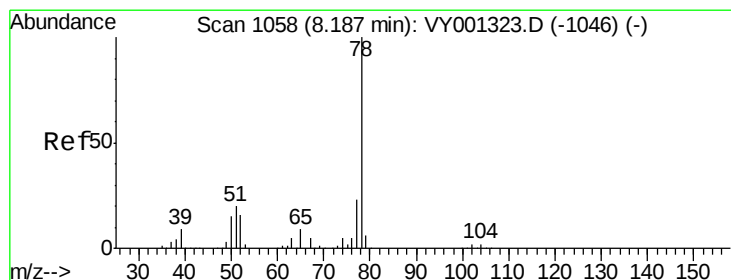
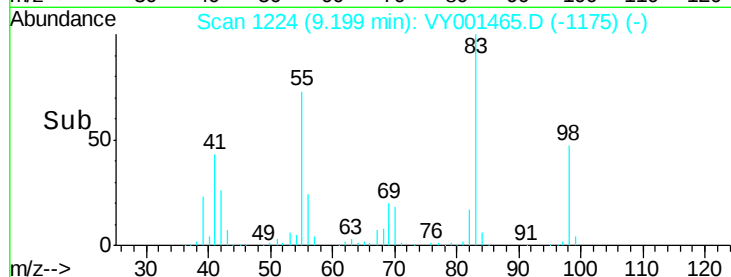
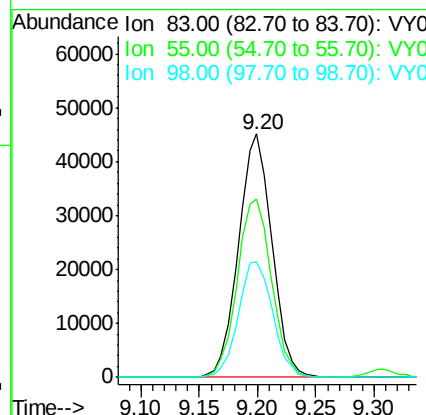
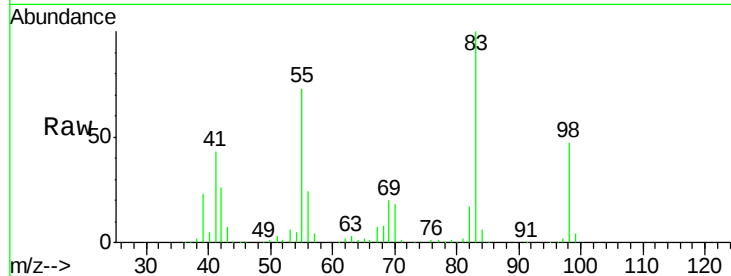
#39
Methvlcvclohexane
Concen: 22.986 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	83	Resp	90218
Ion Ratio	100	Lower	Upper
83	100		
55	73.3	60.7	91.1
98	47.5	37.8	56.8

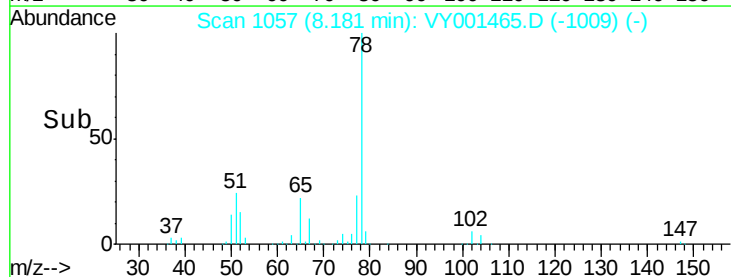
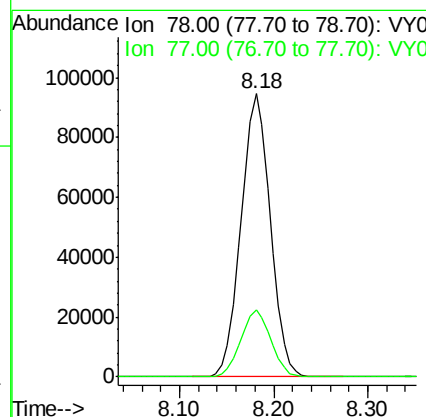
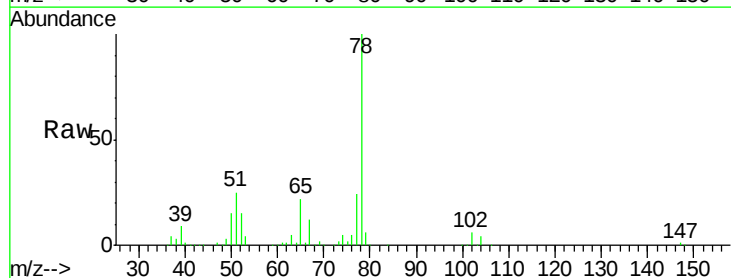
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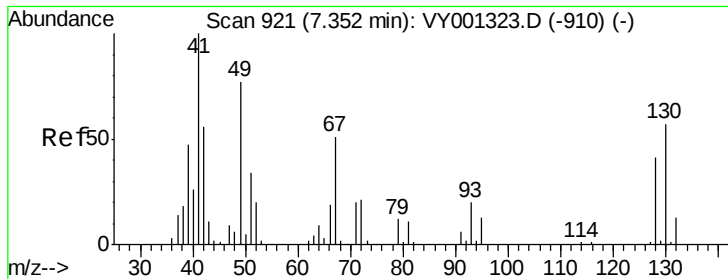
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#40
Benzene
Concen: 22.336 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	78	Resp	205188
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.6	27.8





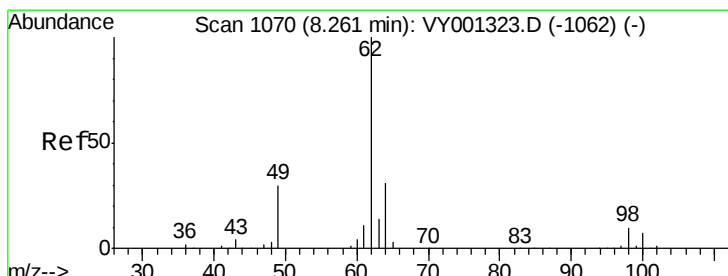
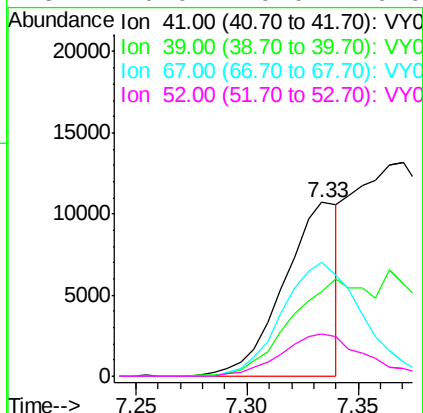
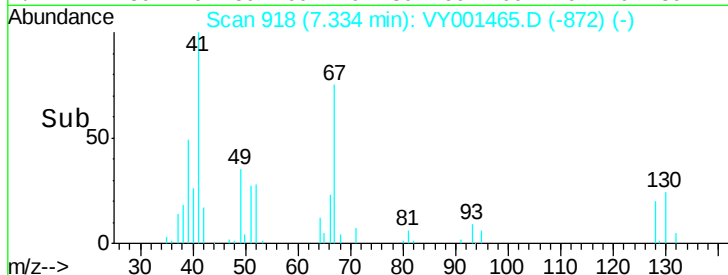
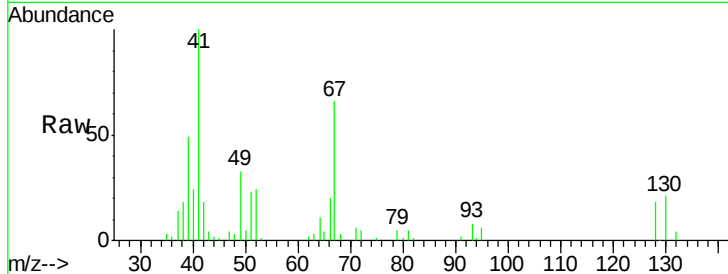
#41
Methacrylonitrile
Concen: 19.031 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.02 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion:	41	Resp:	18383
Ion Ratio		Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

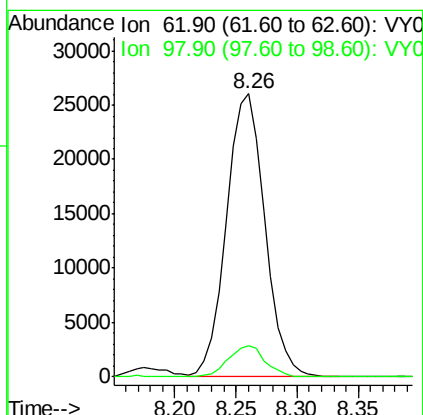
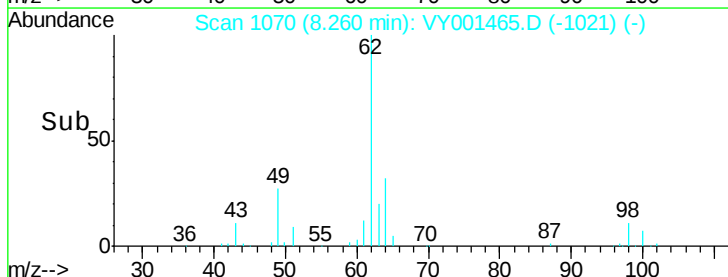
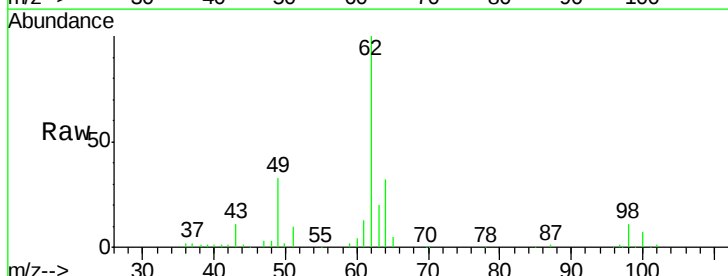
Manual Integrations
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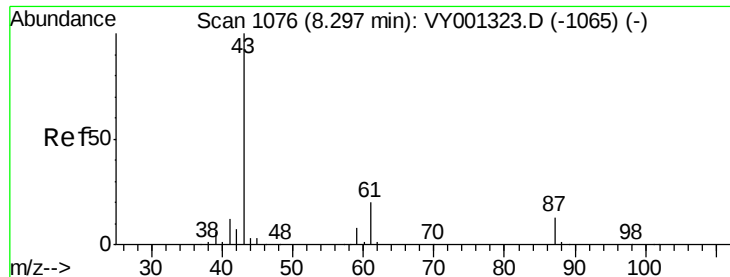
MMDadoda
2/4/2020 11:21:43 AM



#42
1,2-Dichloroethane
Concen: 22.080 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion:	62	Resp:	56677
Ion Ratio		Lower	Upper
62	100		
98	10.6	0.0	20.8





#43

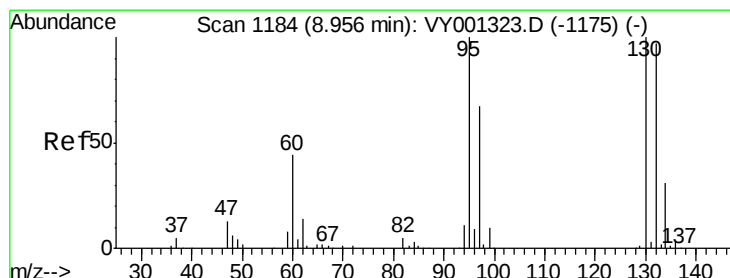
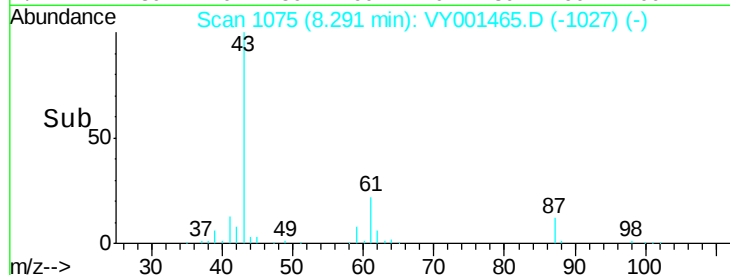
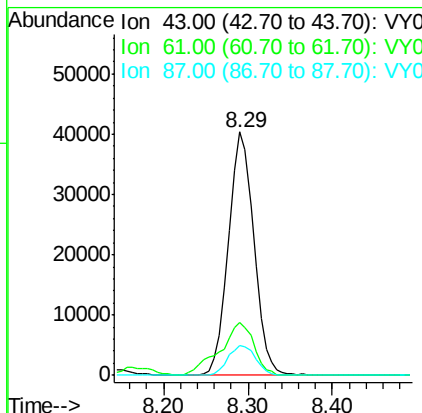
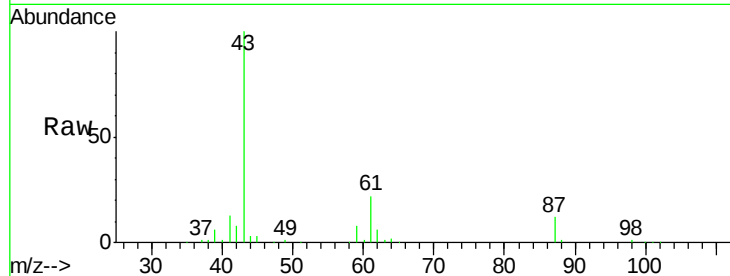
Isopropyl Acetate
 Concen: 22.780 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.7	34.1
87	13.0	11.0	16.4

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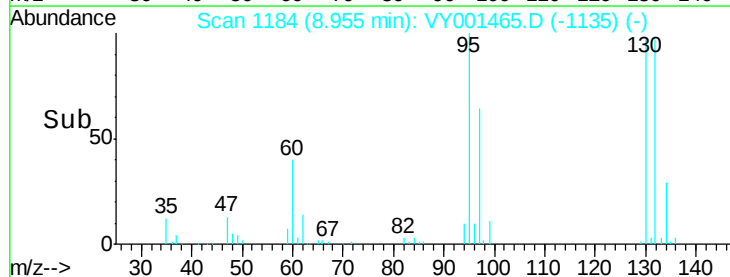
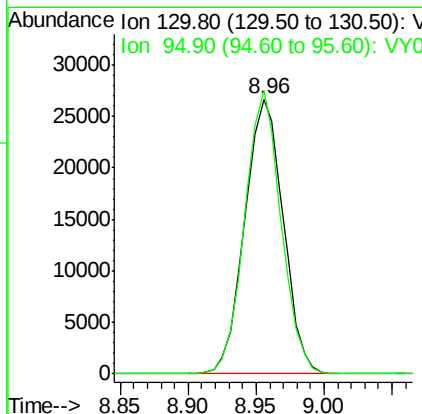
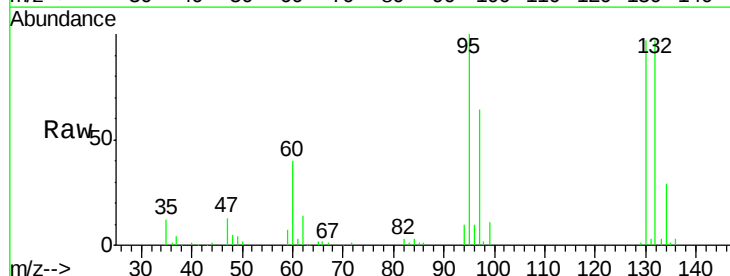
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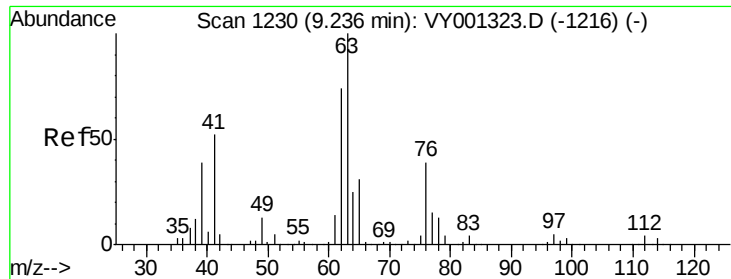


#44

Trichloroethene
 Concen: 22.430 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	200.0





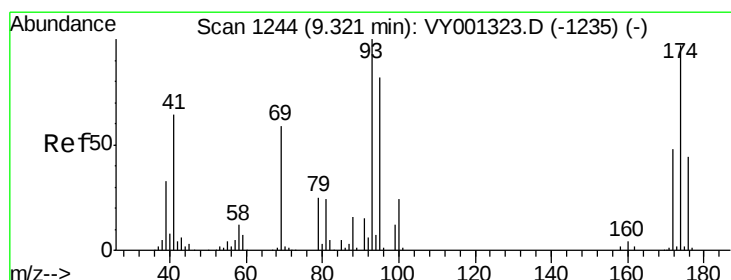
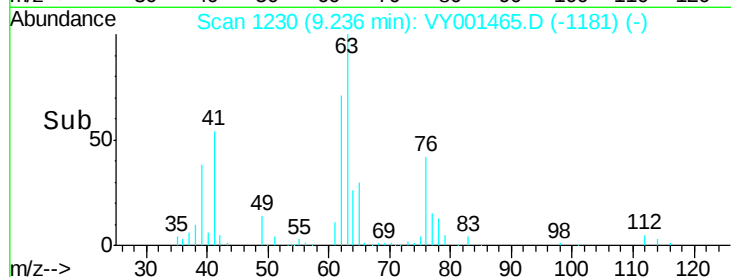
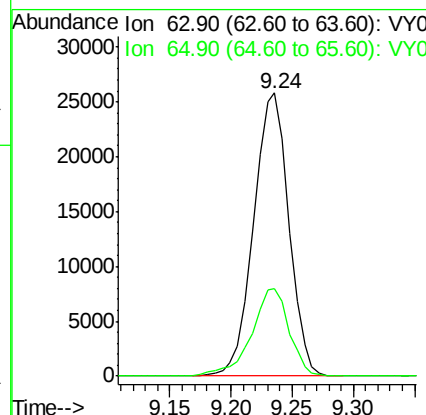
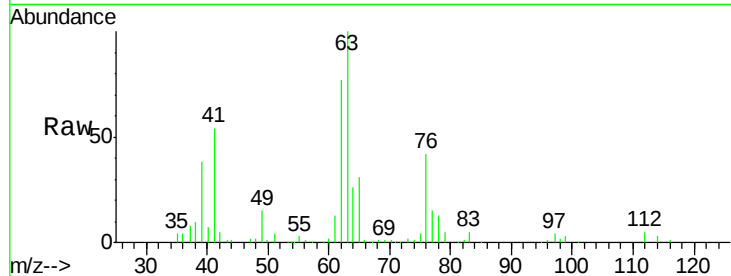
#45
 1,2-Dichloropropane
 Concen: 22.303 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.9	37.3

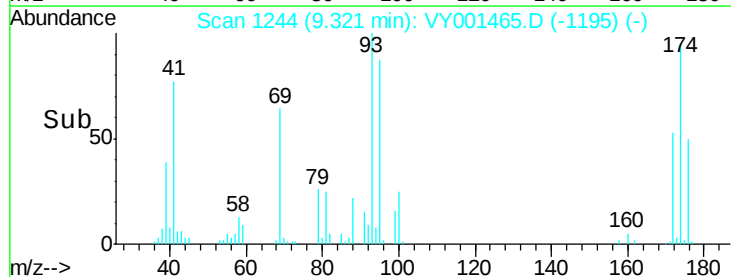
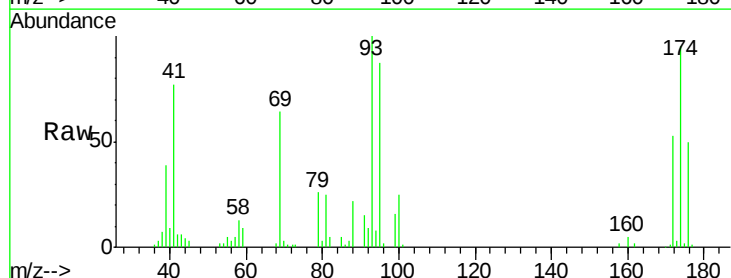
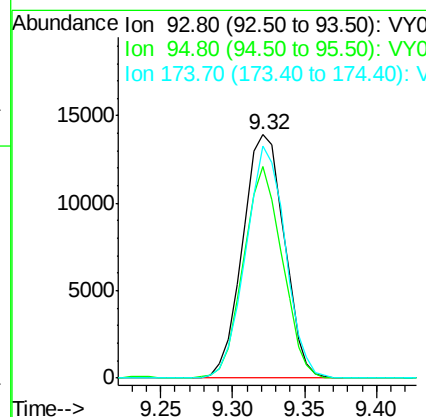
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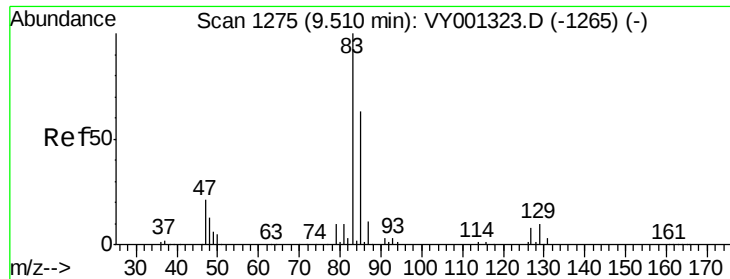
MMDadoda
 2/4/2020 11:21:43 AM



#46
 Dibromomethane
 Concen: 22.377 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.5	99.7
174	90.6	77.9	116.9





#47

Bromodichloromethane

Concen: 22.374 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

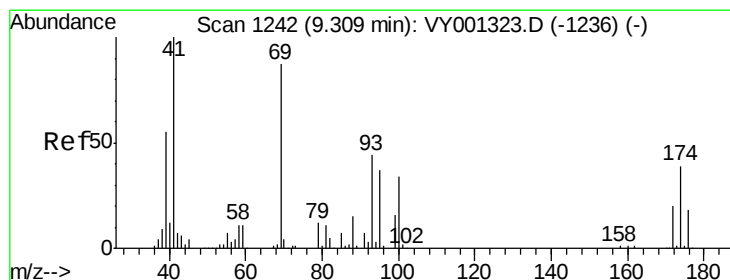
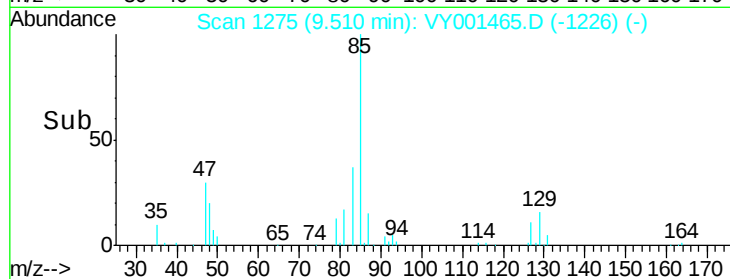
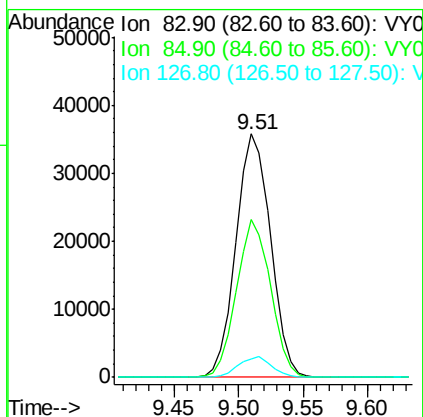
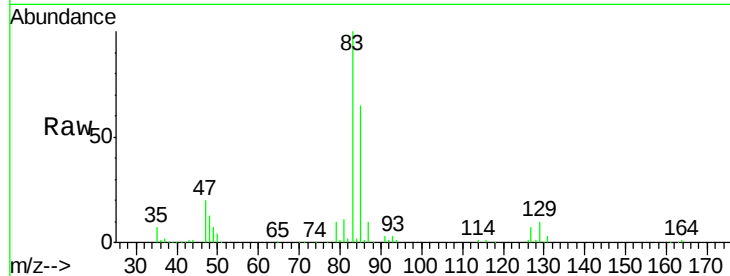
ClientSampleId :

VY0203SBS01

Tot Ion:	83	Resp:	66682
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	7.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.346 ug/l

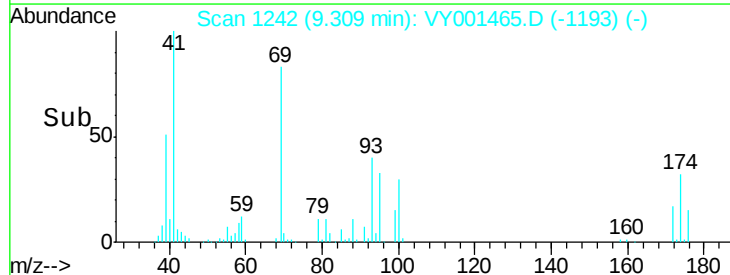
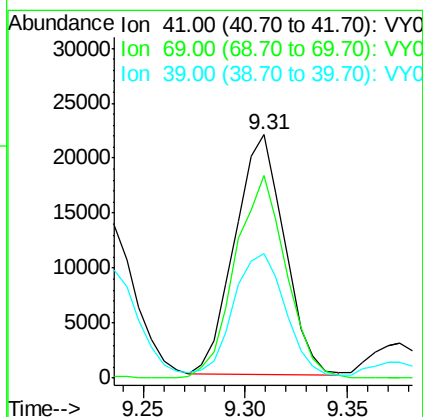
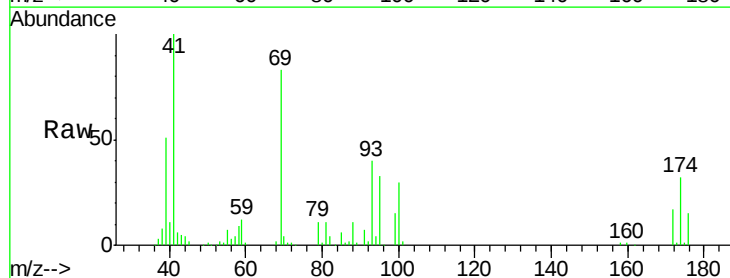
RT: 9.31 min Scan# 1242

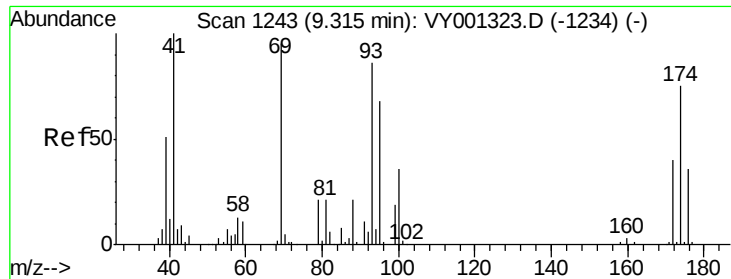
Delta R.T. -0.00 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	41	Resp:	36975
Ion	Ratio	Lower	Upper
41	100		
69	86.0	70.2	105.4
39	55.3	45.7	68.5





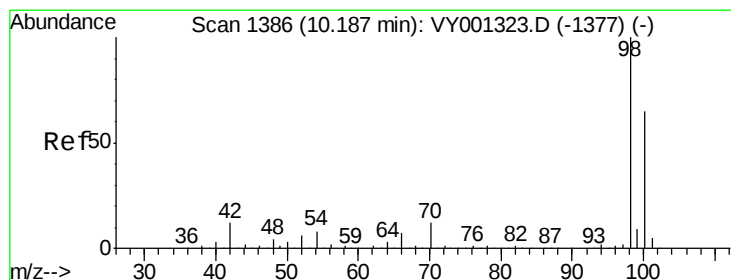
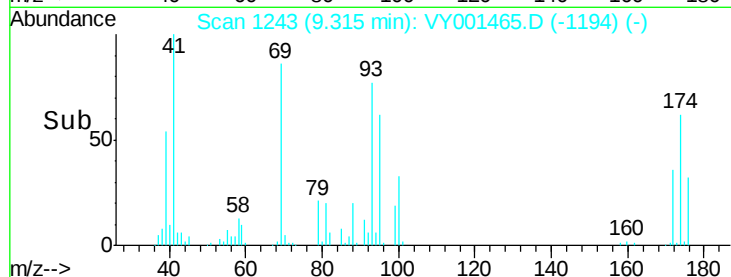
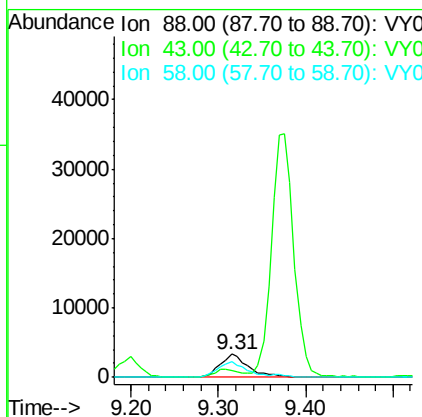
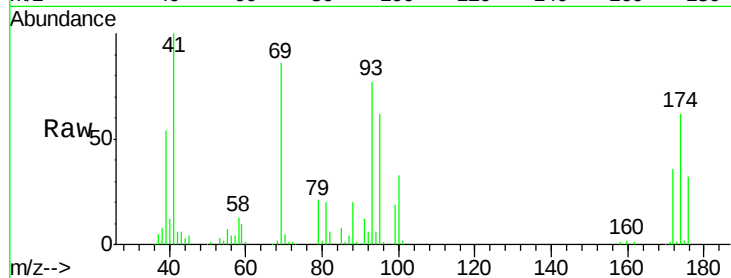
#49
 1,4-Dioxane
 Concen: 439.330 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	28.2	42.2
58	66.6	55.6	83.4

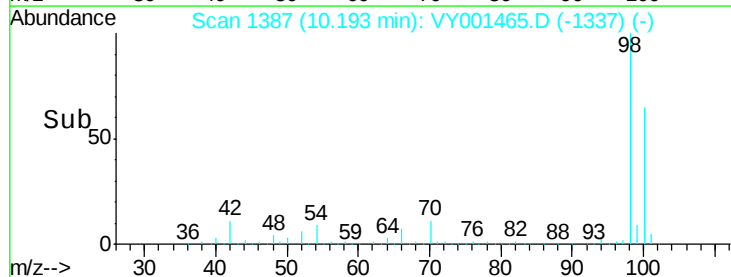
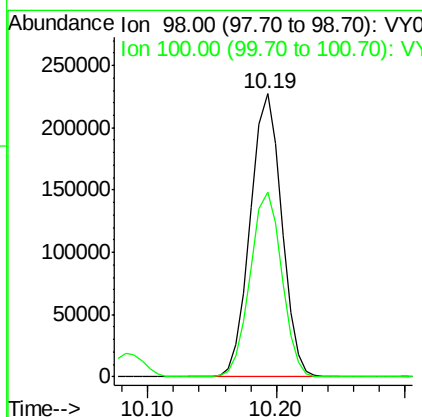
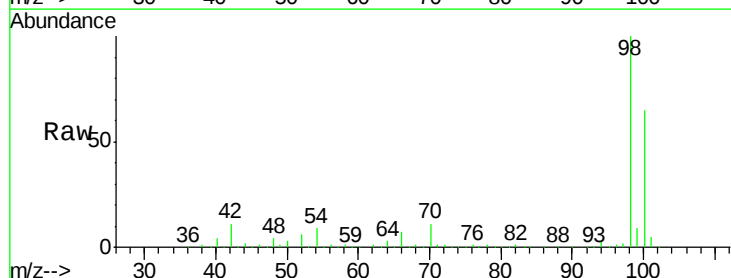
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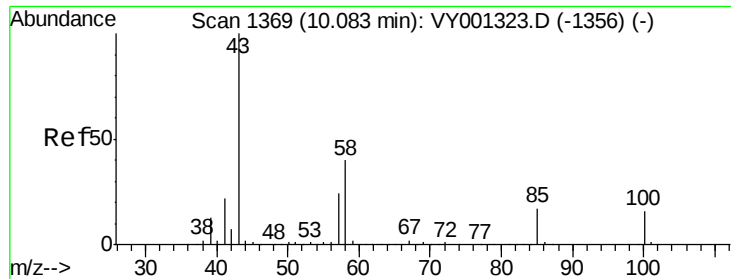
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#50
 Toluene-d8
 Concen: 51.653 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 112.772 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion: 43 Resp: 211386

Ion Ratio Lower Upper

43 100

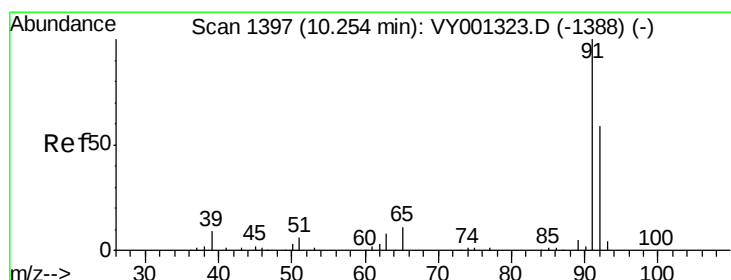
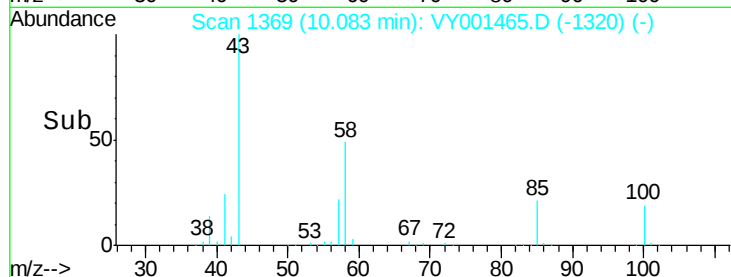
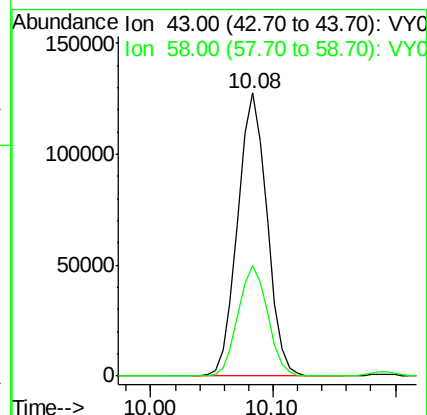
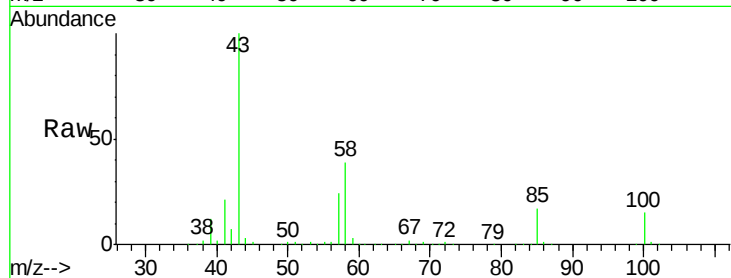
58 39.3 31.5 47.3

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#52

Toluene

Concen: 22.294 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY001465.D

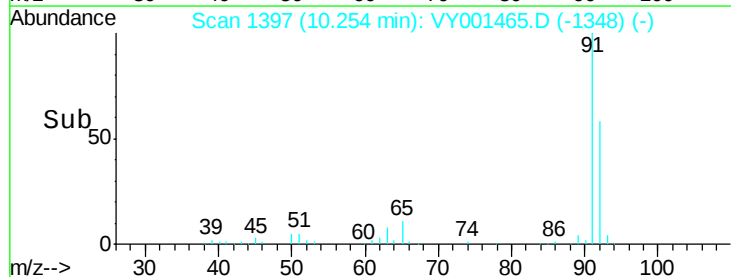
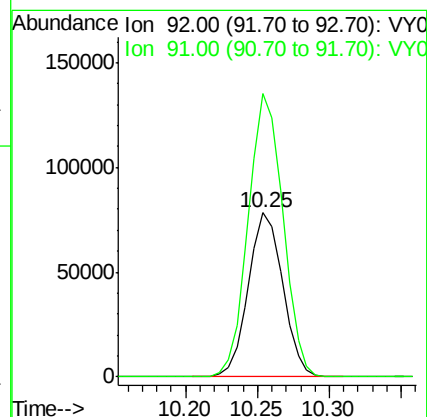
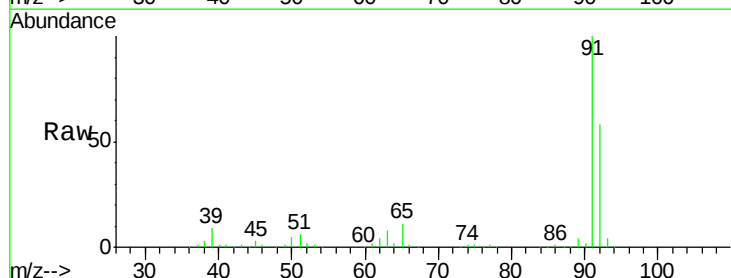
Acq: 03 Feb 2020 11:47

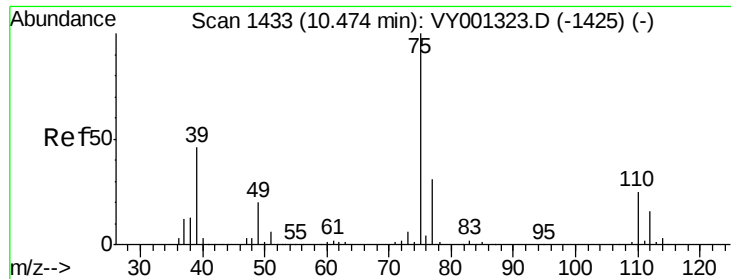
Tgt Ion: 92 Resp: 129824

Ion Ratio Lower Upper

92 100

91 173.5 136.4 204.6





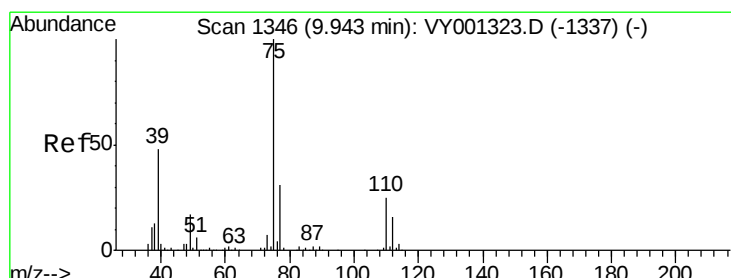
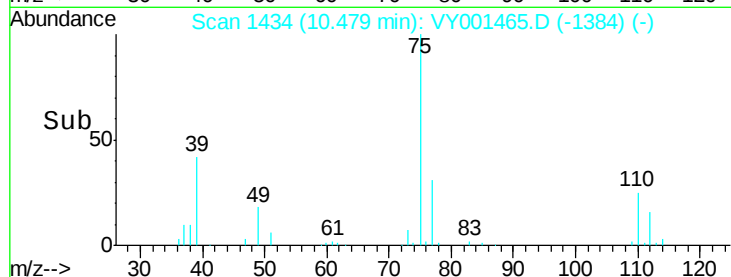
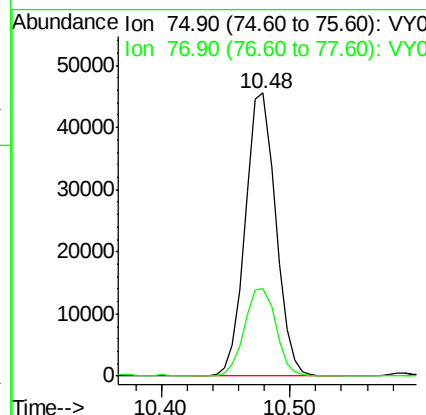
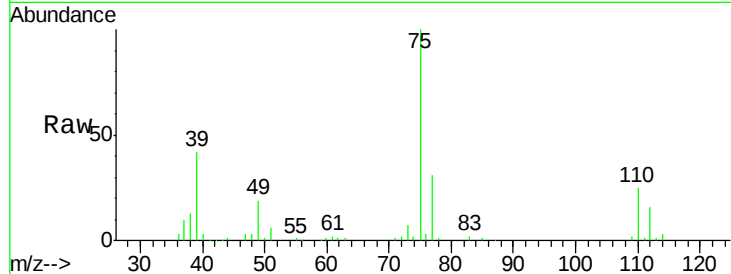
#53
t-1,3-Dichloropropene
Concen: 22.505 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion: 75 Resp: 74342
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

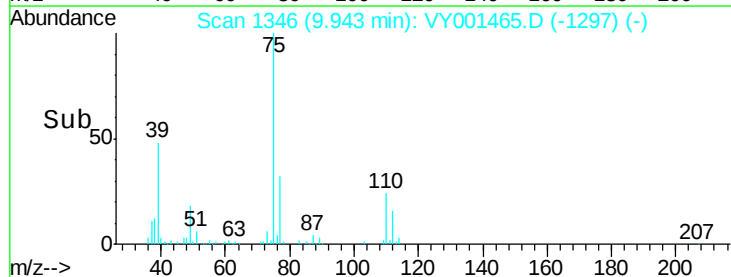
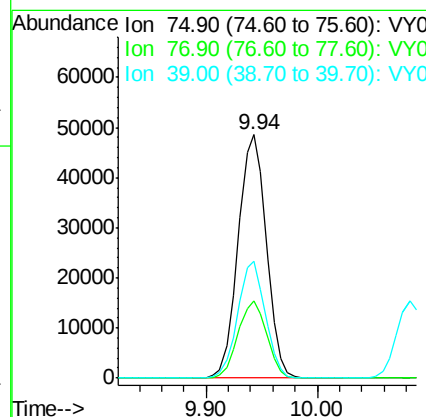
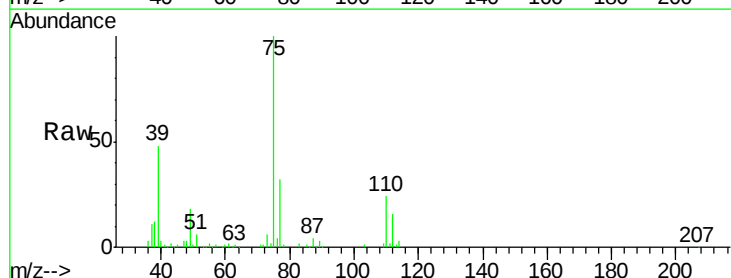
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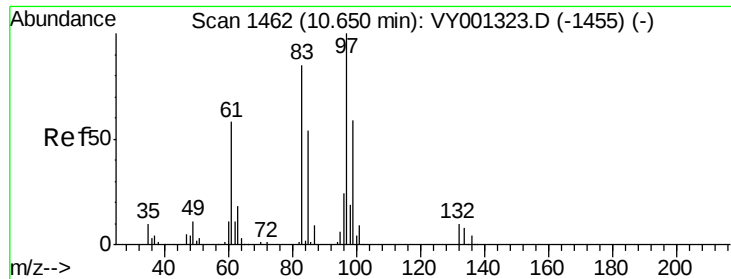
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#54
cis-1,3-Dichloropropene
Concen: 22.439 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 75 Resp: 85079
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6
39 47.9 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 21.870 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

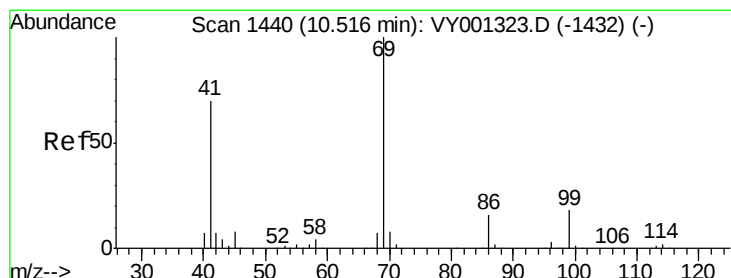
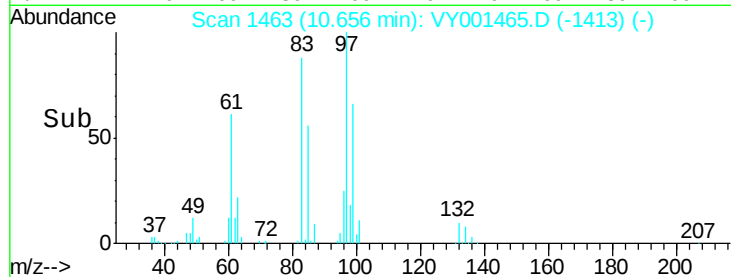
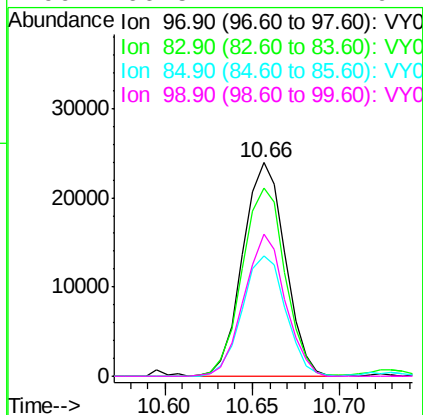
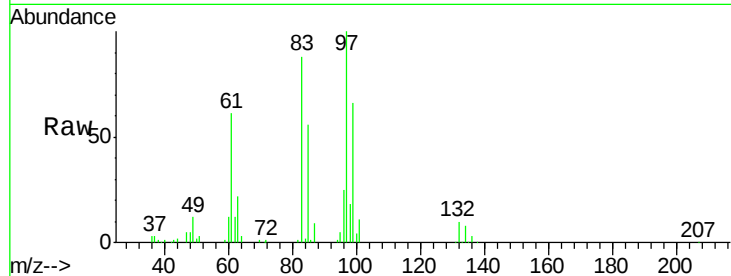
ClientSampleId :

VY0203SBS01

Tot Ion:	97	Resp:	40244
Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.0	102.0
85	56.4	43.6	65.4
99	66.5	47.1	70.7

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#56

Ethyl methacrylate

Concen: 22.412 ug/l

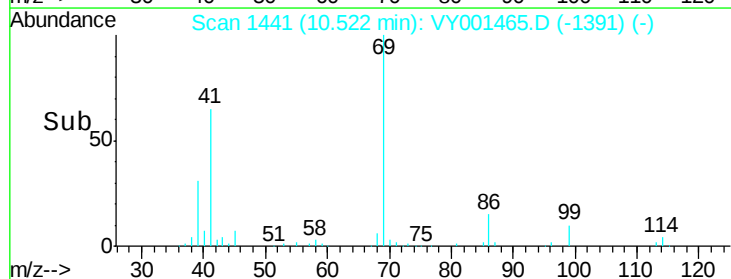
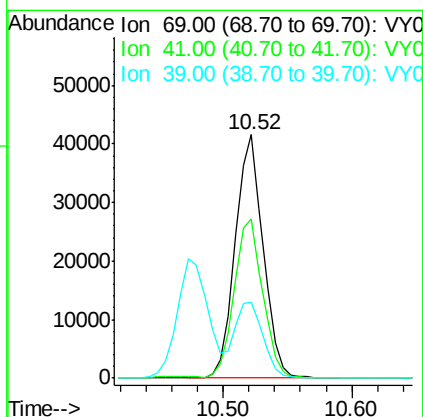
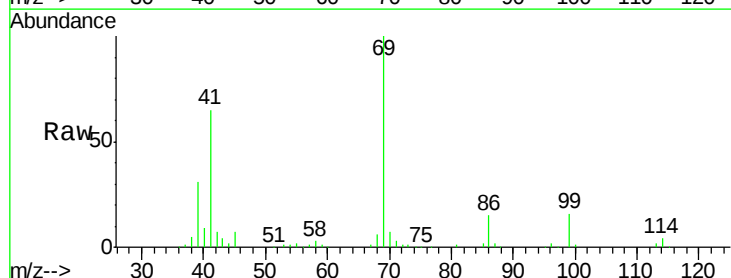
RT: 10.52 min Scan# 1441

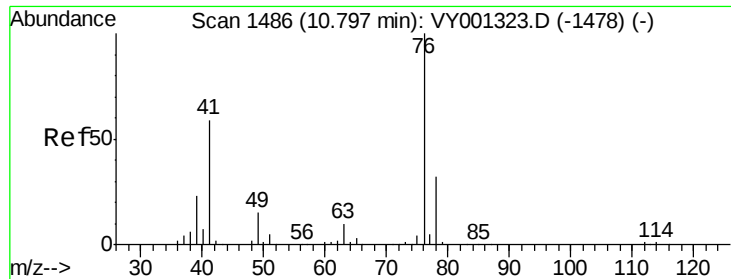
Delta R.T. 0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	69	Resp:	62332
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.1	81.1
39	33.1	26.8	40.2





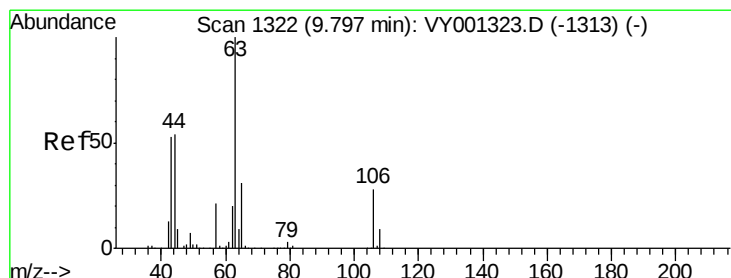
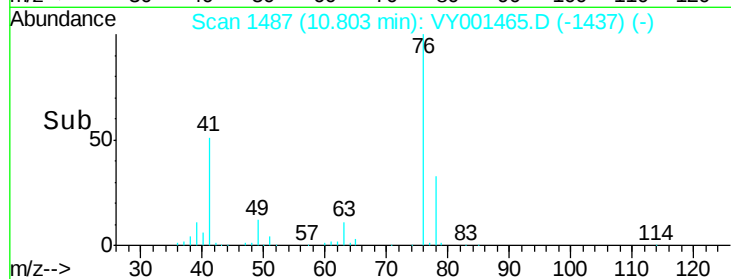
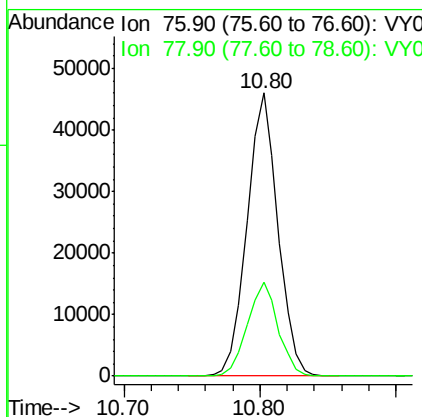
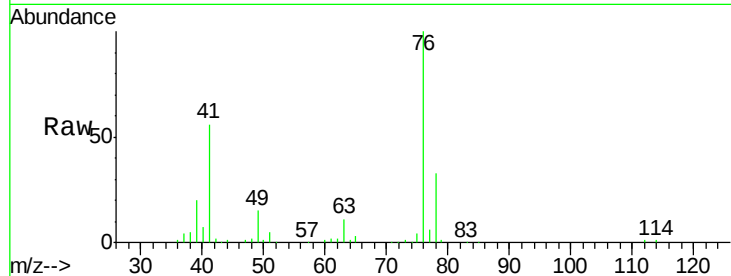
#57
 1,3-Dichloropropane
 Concen: 22.794 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

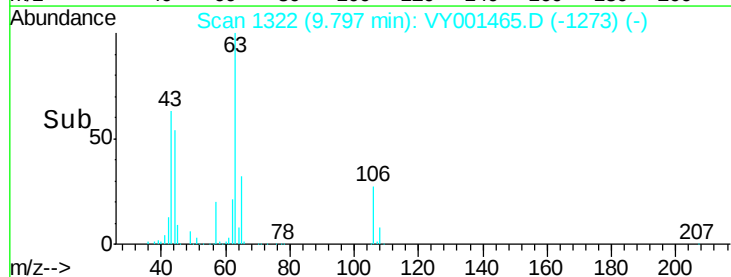
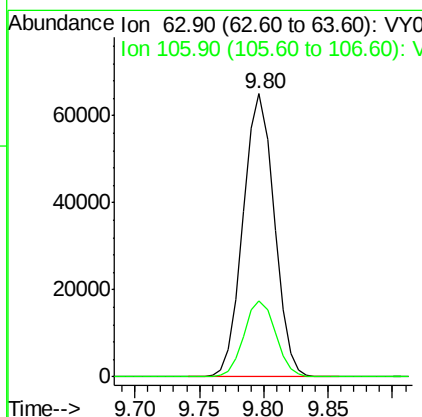
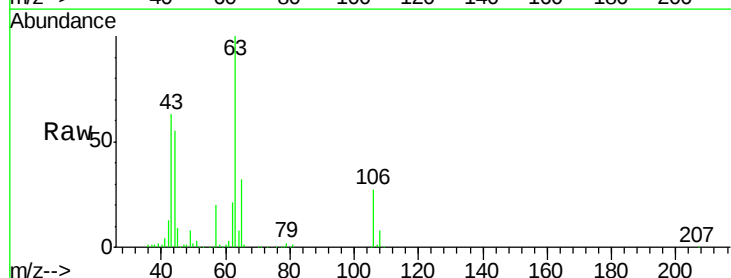
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.904 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.5	33.7





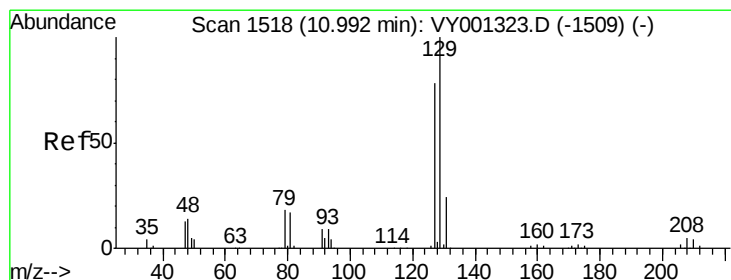
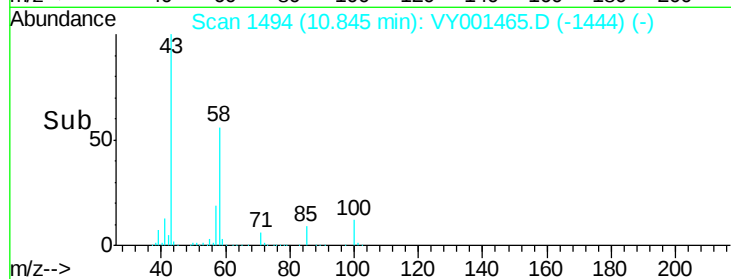
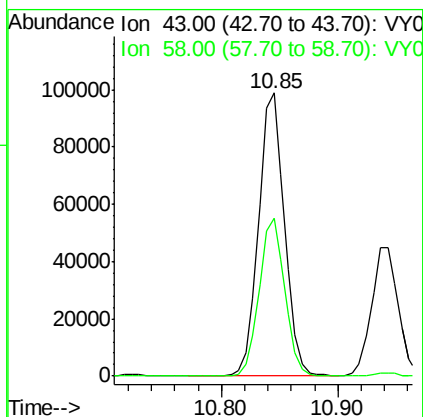
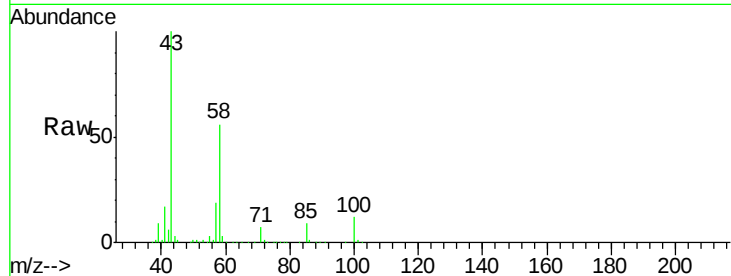
#59
2-Hexanone
Concen: 117.820 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion: 43 Resp: 153749
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.8

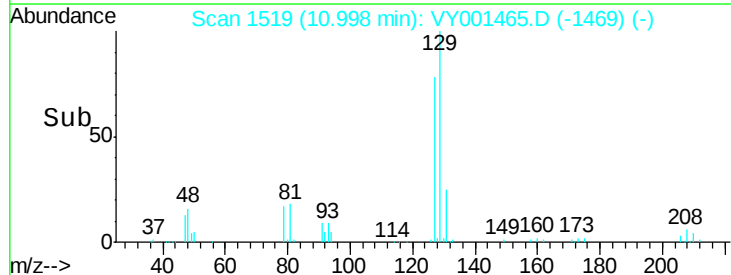
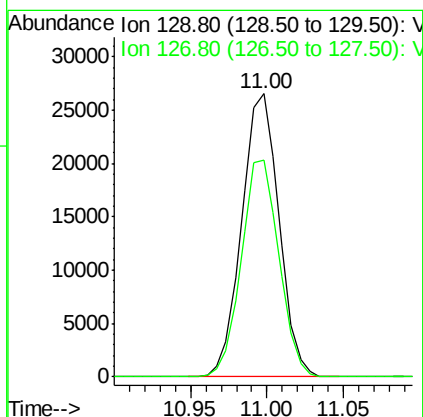
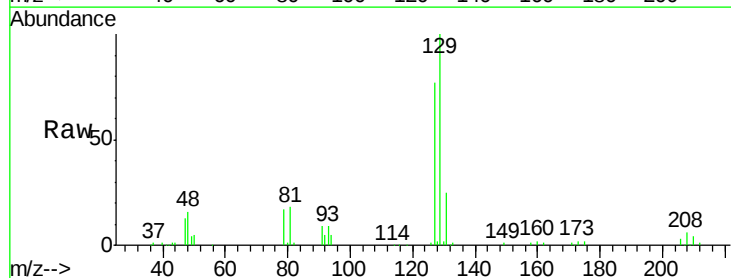
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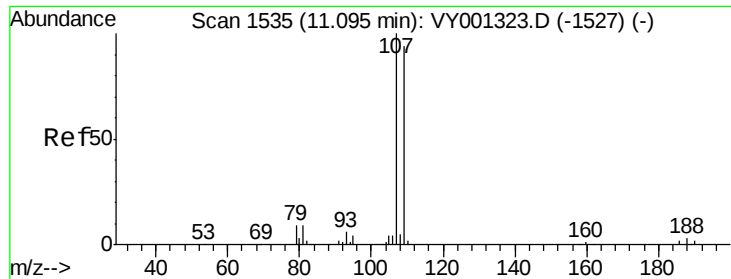
MMDadoda
2/4/2020 11:21:43 AM



#60
Dibromochloromethane
Concen: 21.869 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion:129 Resp: 45008
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





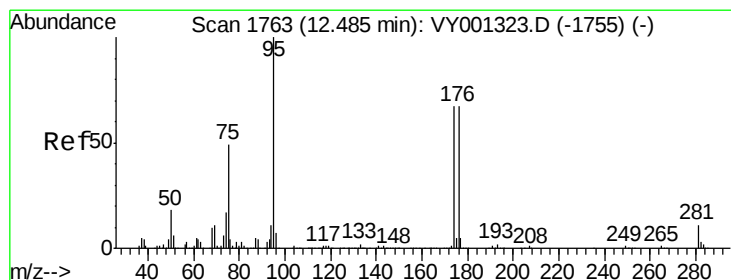
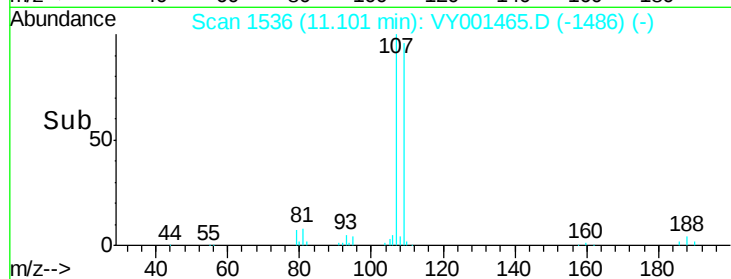
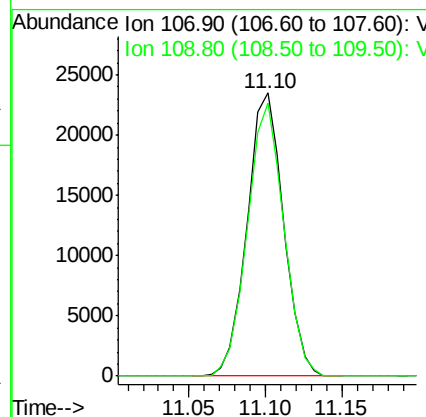
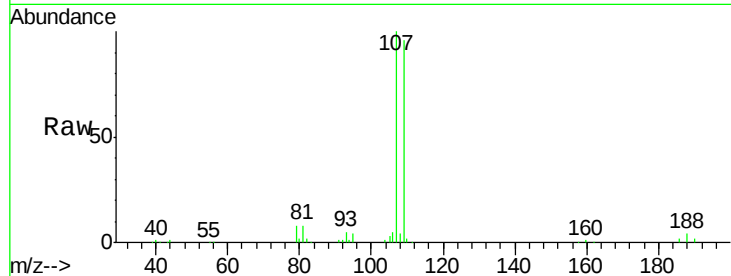
#61
 1,2-Dibromoethane
 Concen: 22.342 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.0	112.6

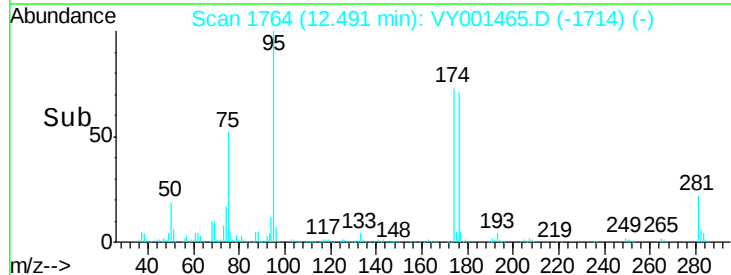
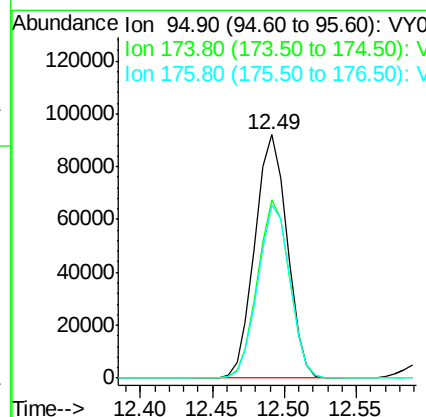
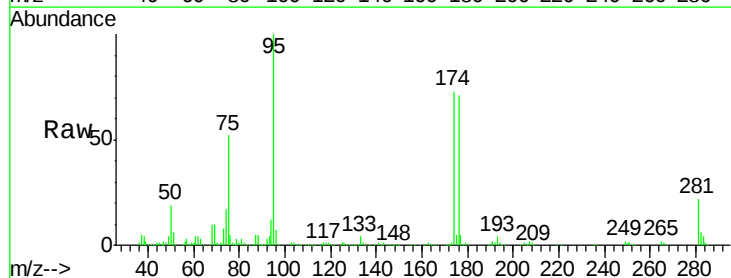
Manual Integrations
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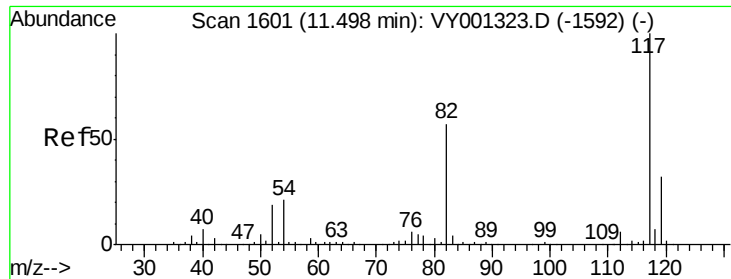
MMDadoda
 2/4/2020 11:21:43 AM



#62
 4-Bromofluorobenzene
 Concen: 48.436 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	142.0
176	70.9	0.0	138.6





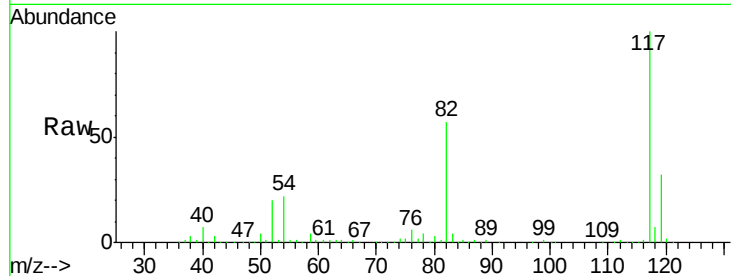
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

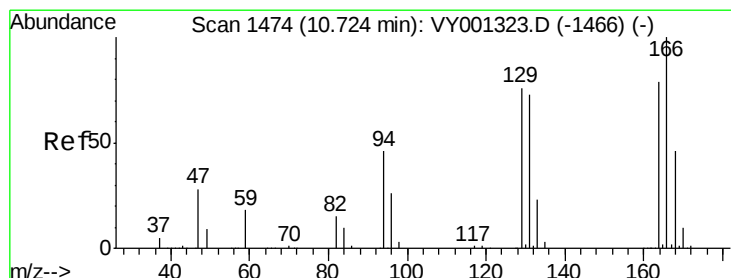
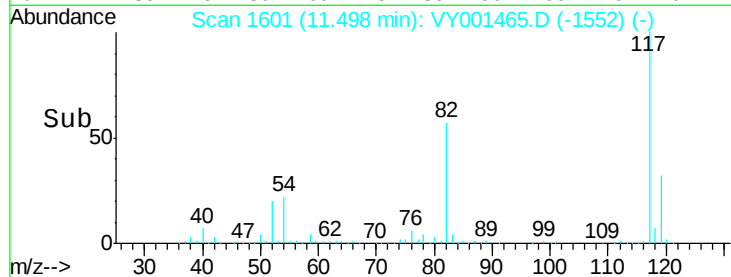
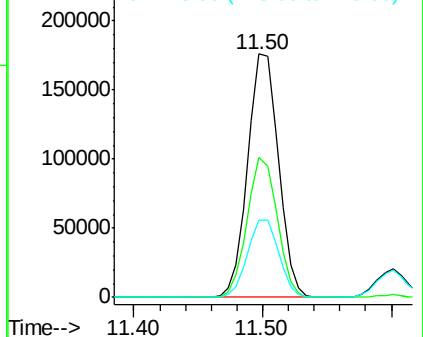
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.5	68.3
119	31.9	25.8	38.6

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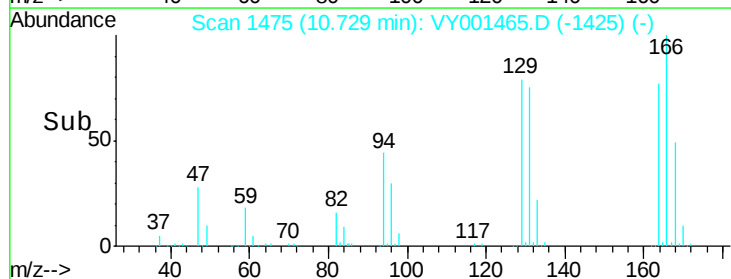
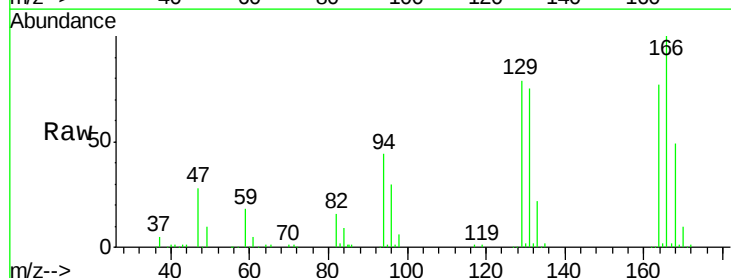
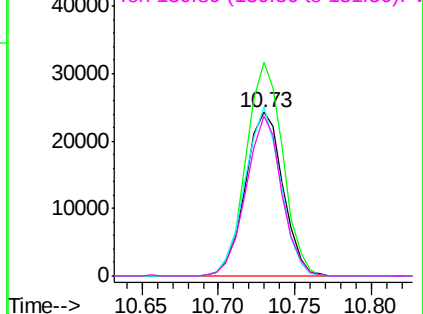
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.401 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.8	152.8
129	103.0	77.1	115.7
131	98.2	74.2	111.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





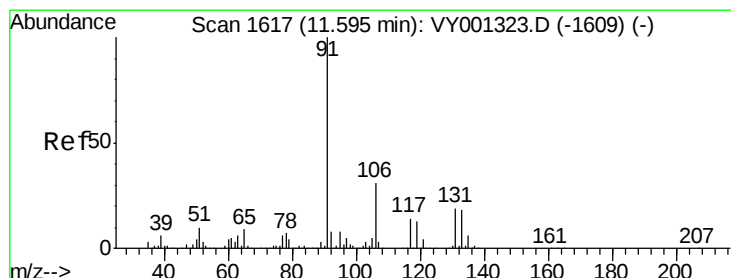
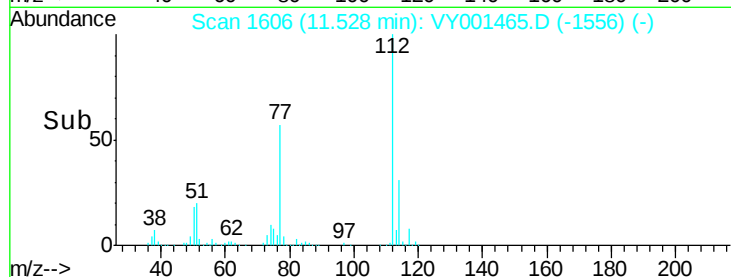
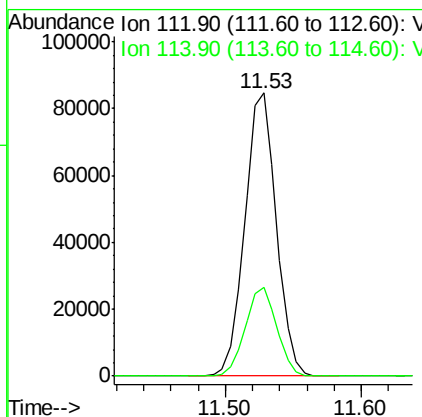
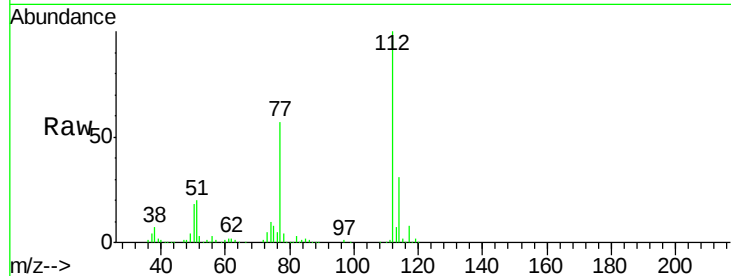
#65
Chlorobenzene
Concen: 22.441 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

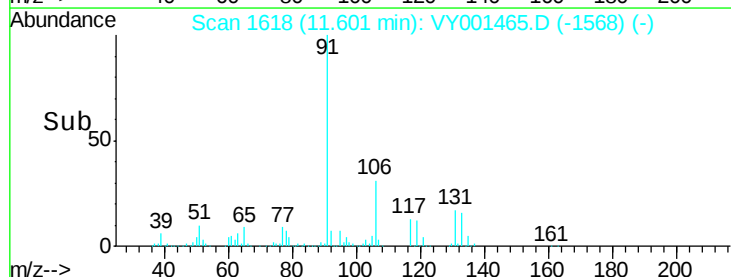
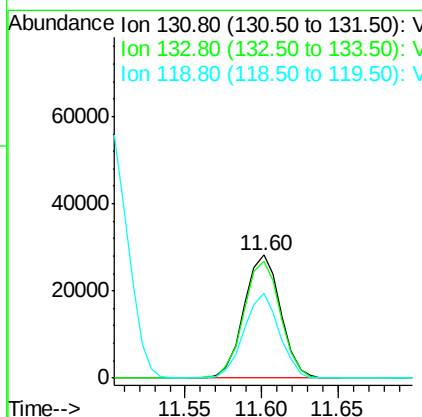
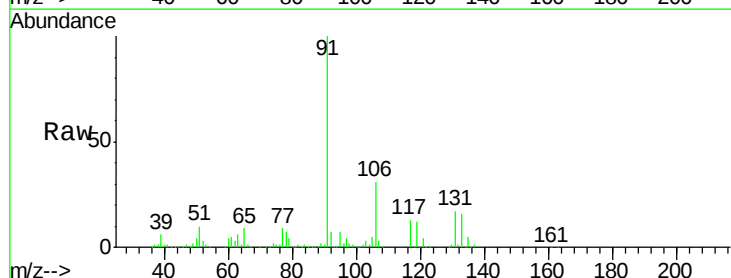
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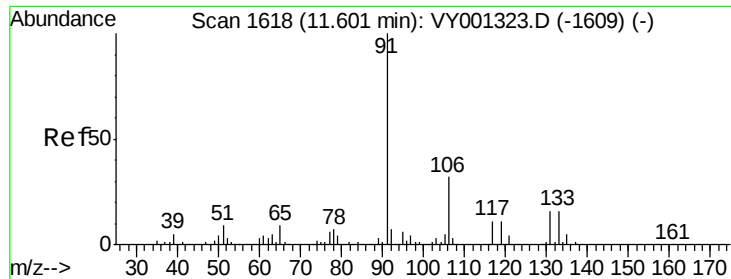
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.458 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.1	141.3
119	66.5	34.1	102.2





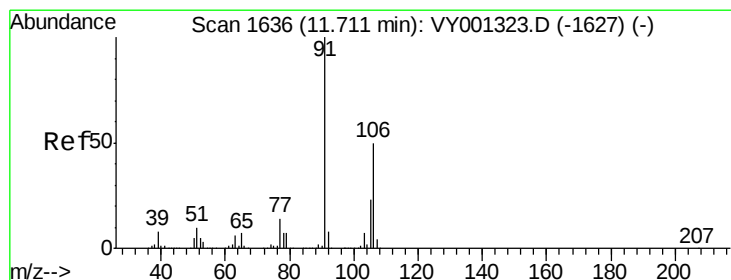
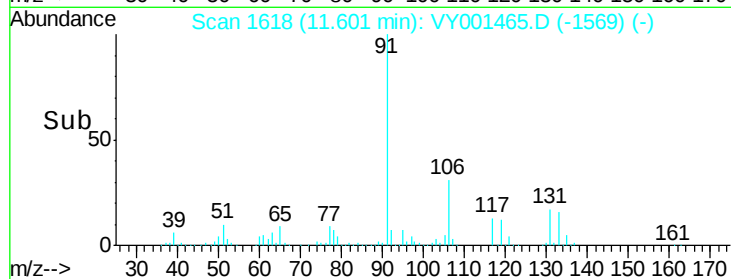
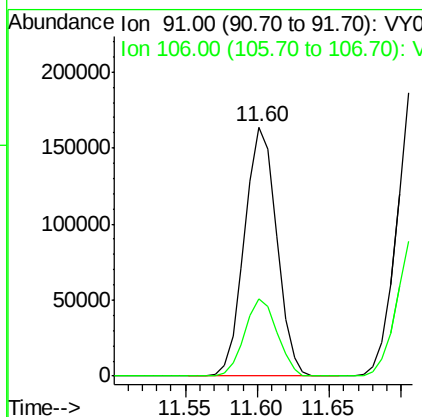
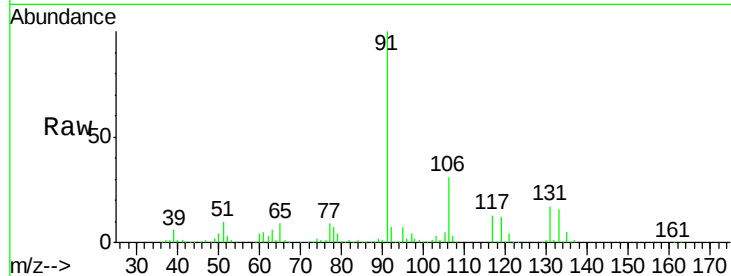
#67
Ethyl Benzene
Concen: 22.492 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion: 91 Resp: 253454
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

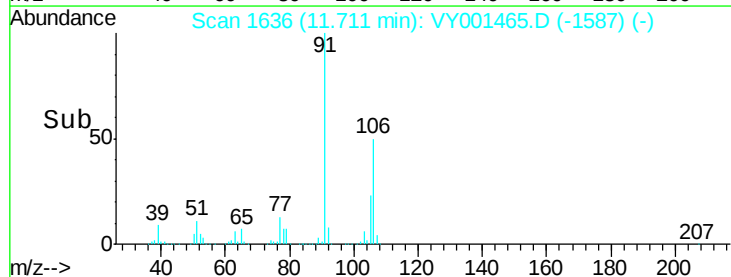
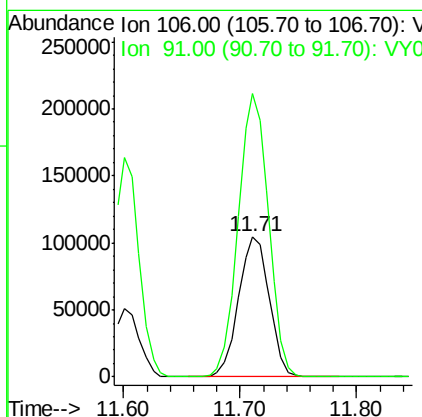
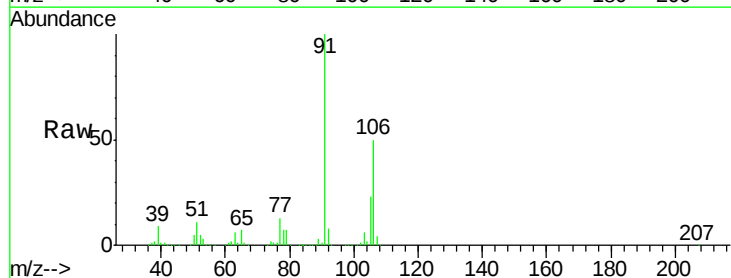
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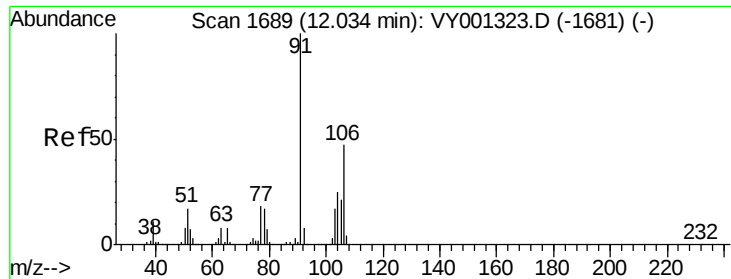
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#68
m/p-Xylenes
Concen: 45.484 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 106 Resp: 191428
Ion Ratio Lower Upper
106 100
91 199.6 162.8 244.2





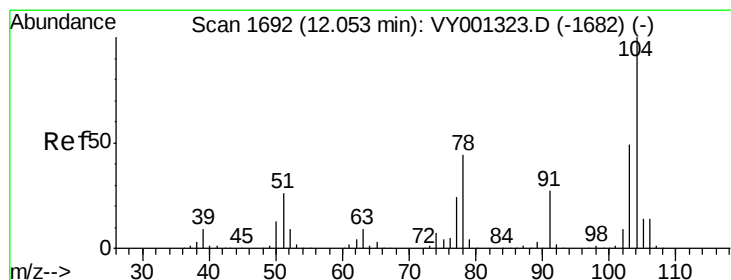
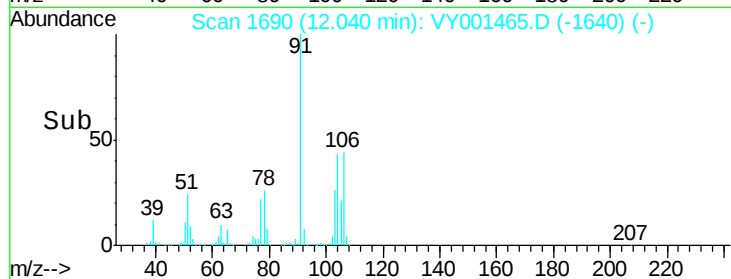
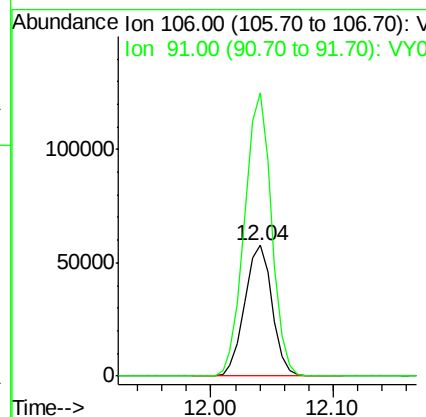
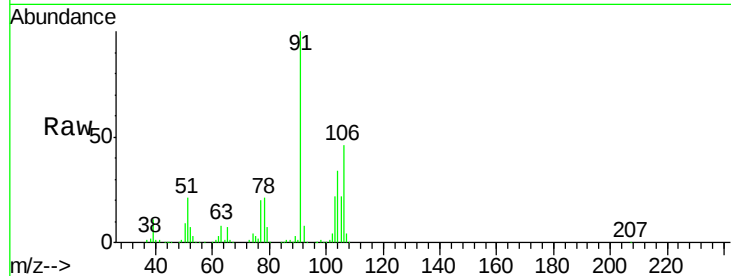
#69
o-Xylene
Concen: 22.199 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		89878		
91	212.1	106.3	319.0		

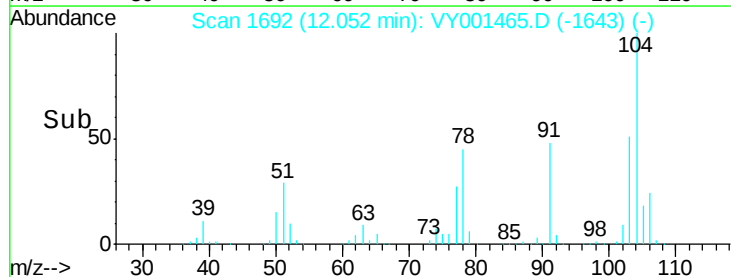
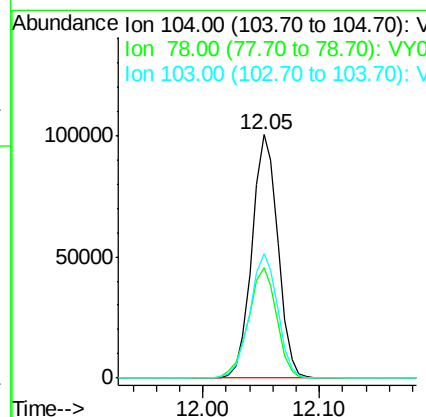
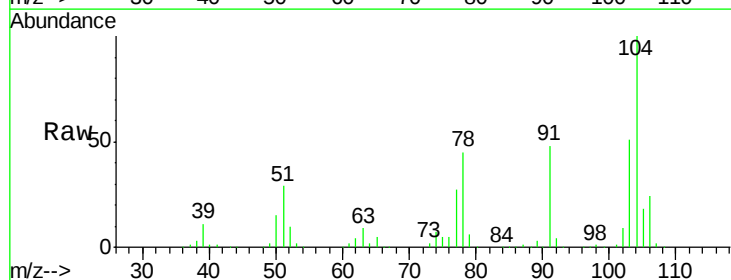
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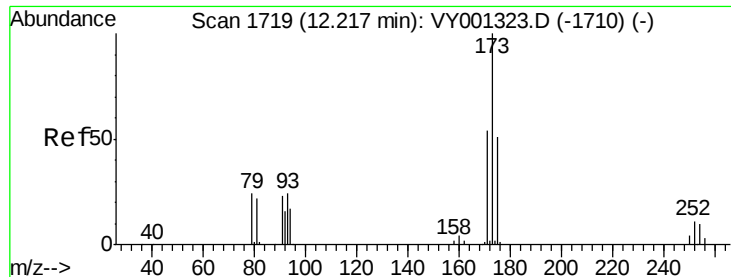
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#70
Styrene
Concen: 21.954 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		155953		
78	49.4	39.8	59.8		
103	54.9	43.2	64.8		





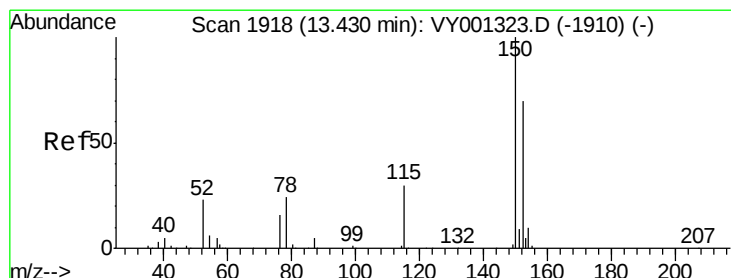
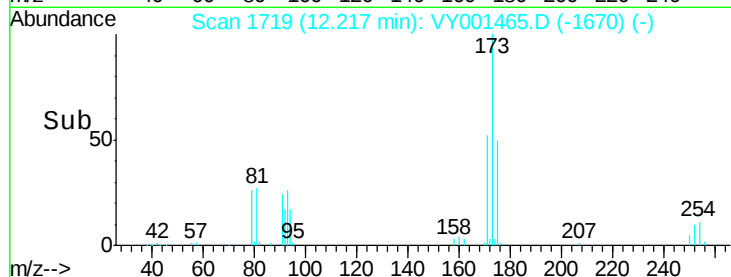
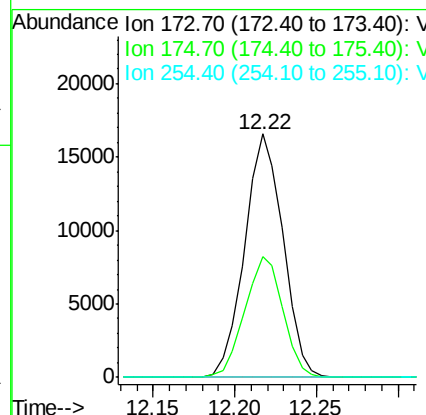
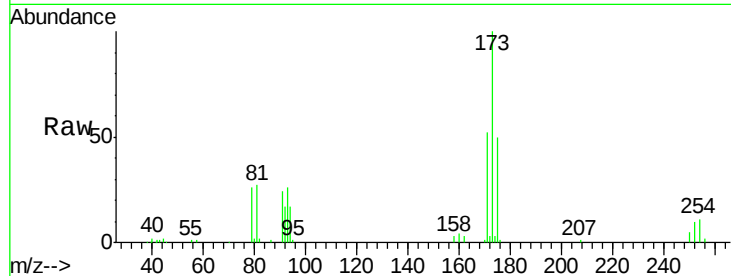
#71
Bromoform
Concen: 21.808 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.0	0.0	0.0

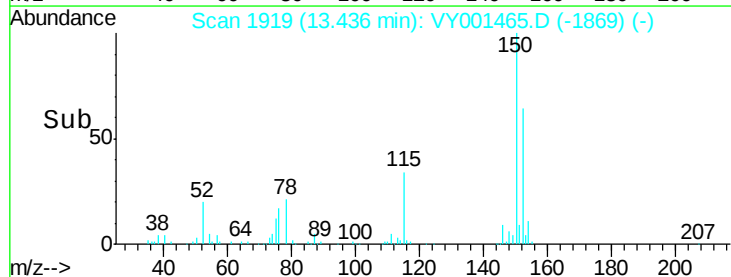
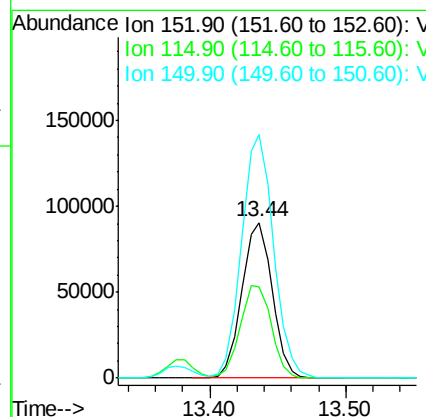
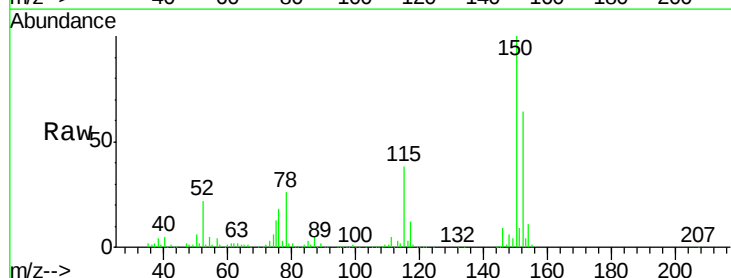
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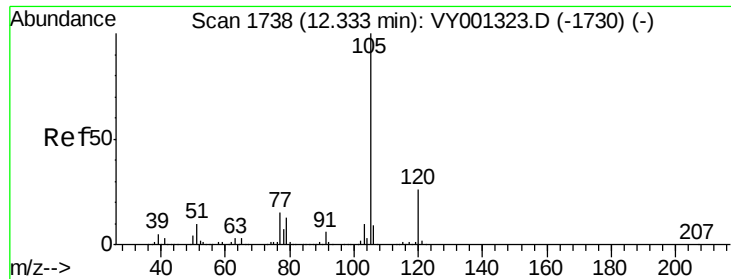
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.9	92.8
150	165.2	0.0	349.2





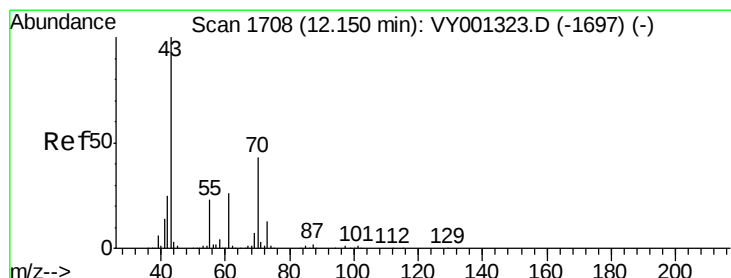
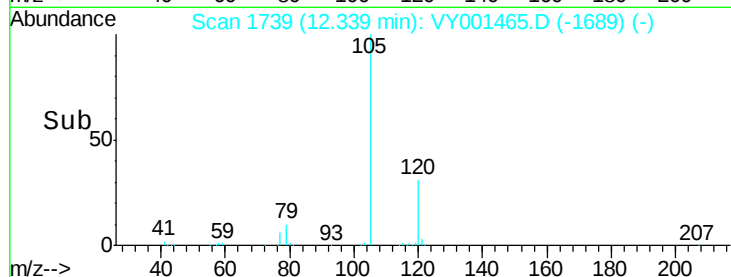
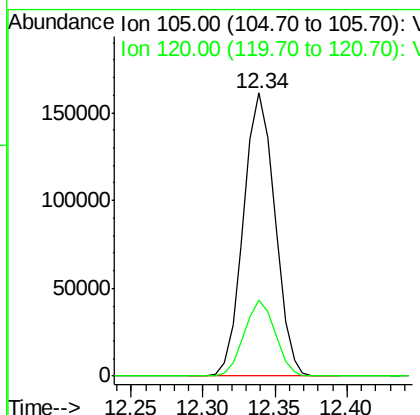
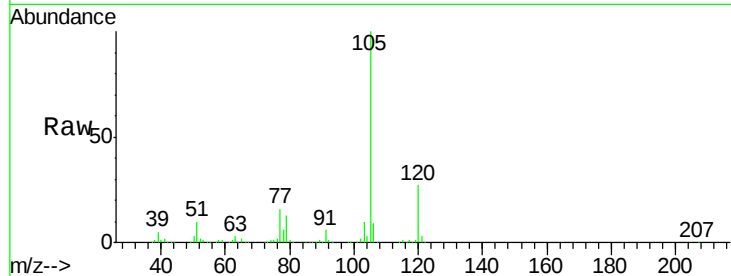
#73
Isopropylbenzene
Concen: 21.975 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	244185		
120	26.6	13.5	40.4	

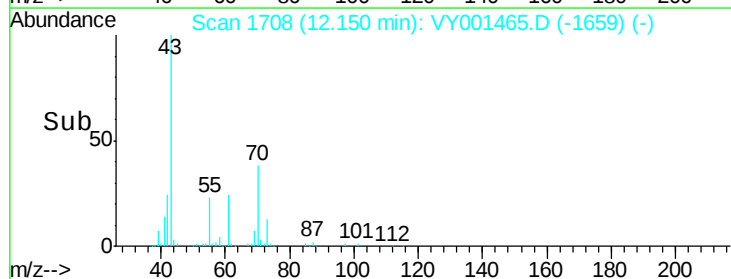
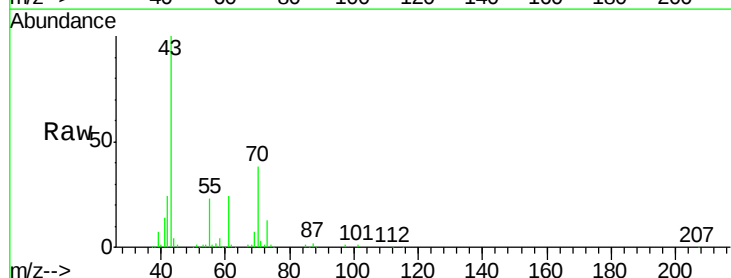
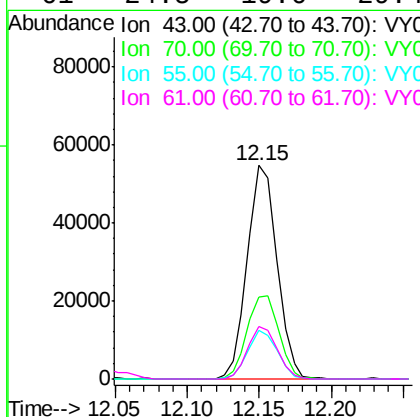
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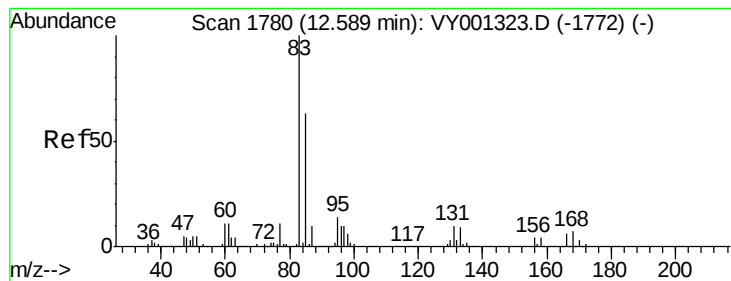
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#74
N-ethyl acetate
Concen: 21.623 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	78650		
70	41.6	33.5	50.3	
55	23.0	18.2	27.2	
61	24.5	19.6	29.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.993 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

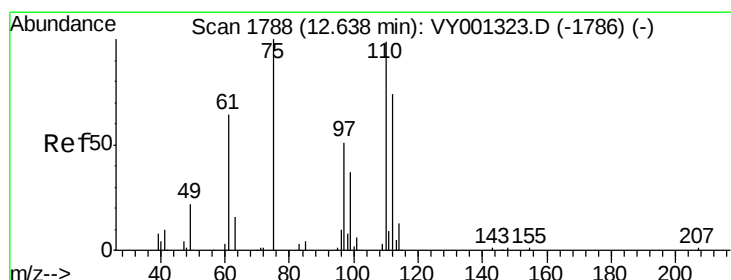
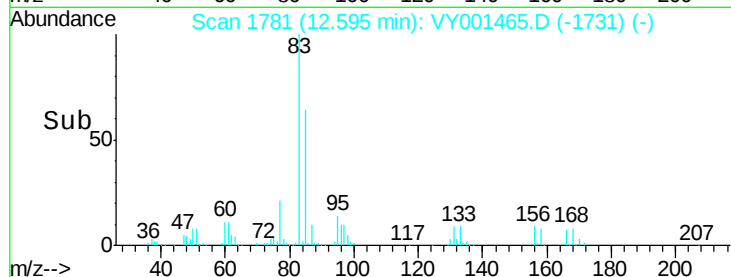
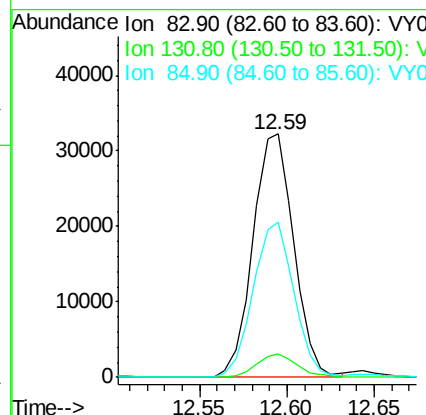
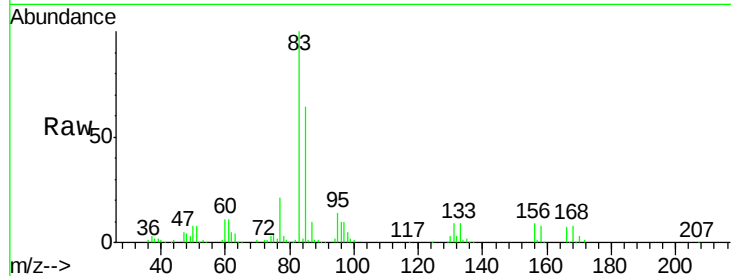
ClientSampleId :

VY0203SBS01

Tot Ion:	83	Resp:	52340
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.6	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 20.969 ug/l m

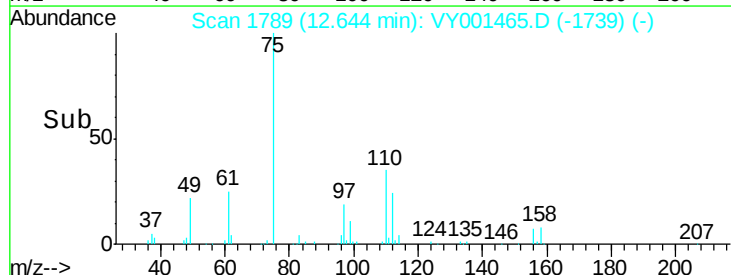
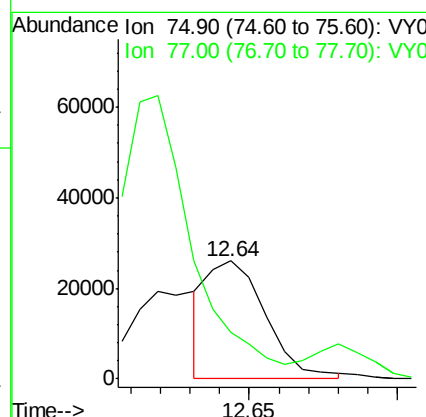
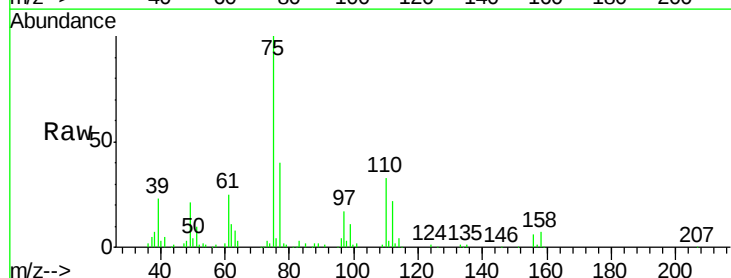
RT: 12.64 min Scan# 1789

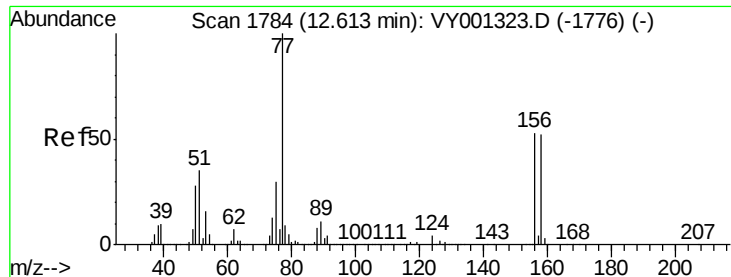
Delta R.T. 0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	75	Resp:	35583
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.431 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0203SBS01

Tot Ion:156 Resp: 52746

Ion Ratio Lower Upper

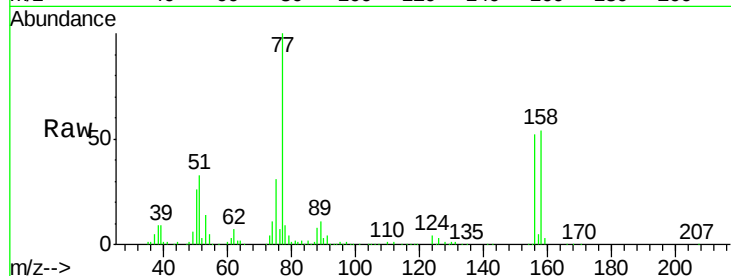
156 100

77 213.0 104.7 313.9

158 98.3 48.6 145.8

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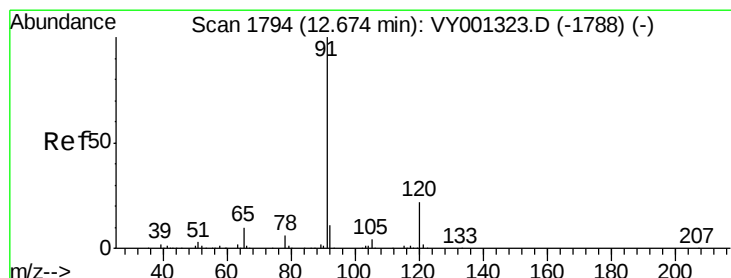
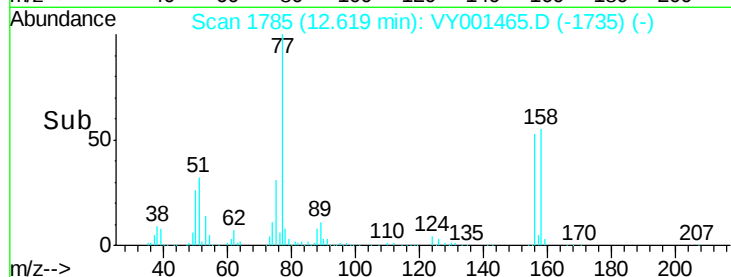
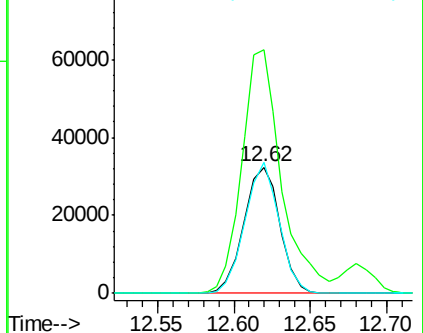
MMDadoda
2/4/2020 11:21:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.111 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001465.D

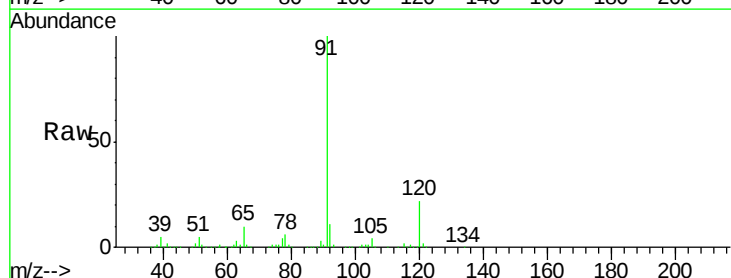
Acq: 03 Feb 2020 11:47

Tgt Ion: 91 Resp: 295734

Ion Ratio Lower Upper

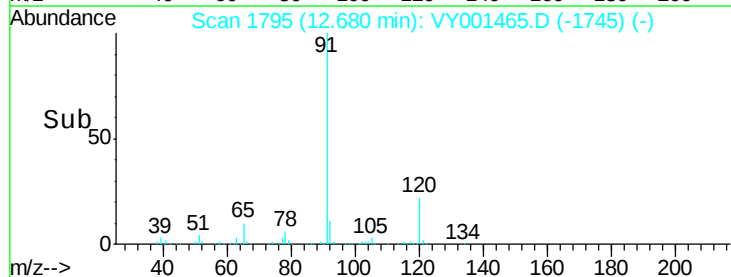
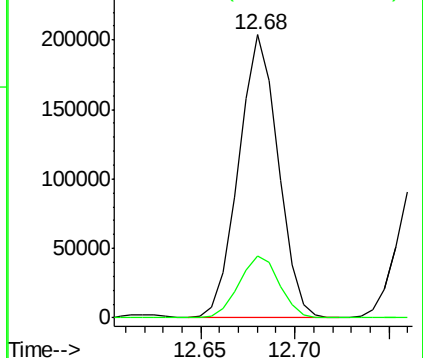
91 100

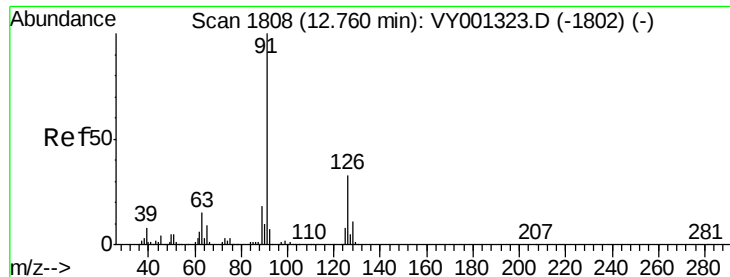
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





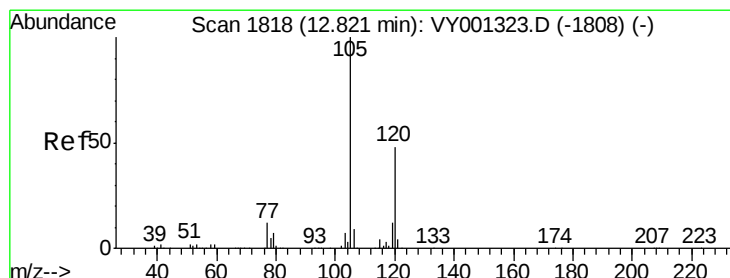
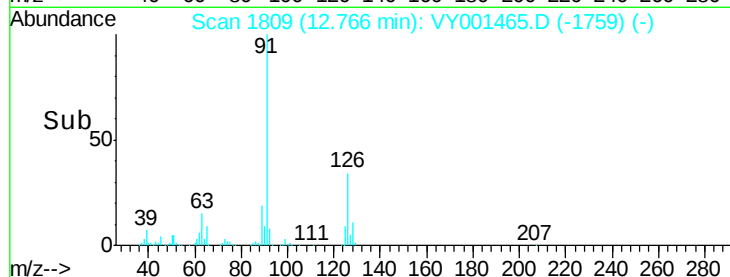
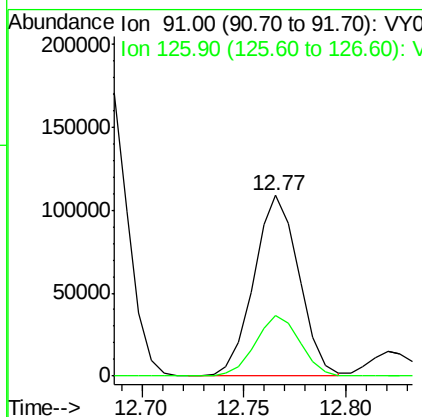
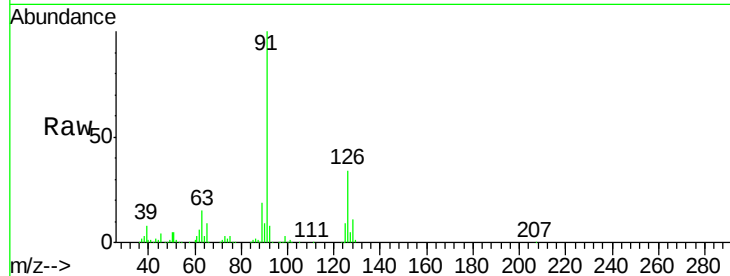
#79
 2-Chlorotoluene
 Concen: 21.863 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion: 91 Resp: 167054
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.6 49.7

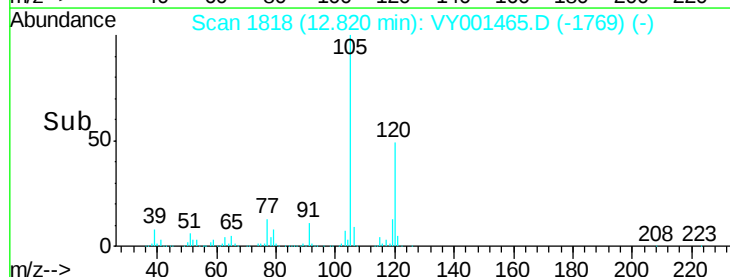
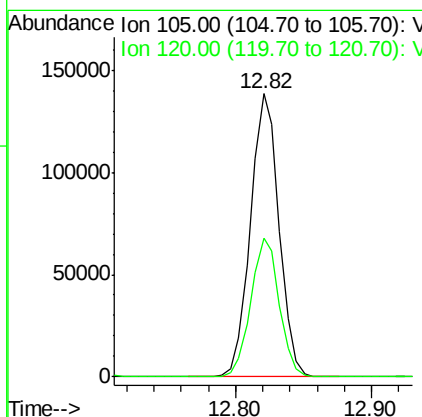
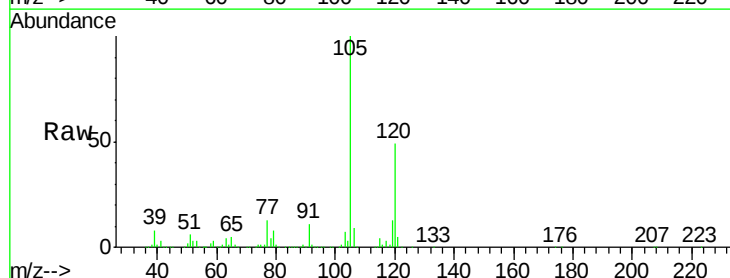
Manual Integrations
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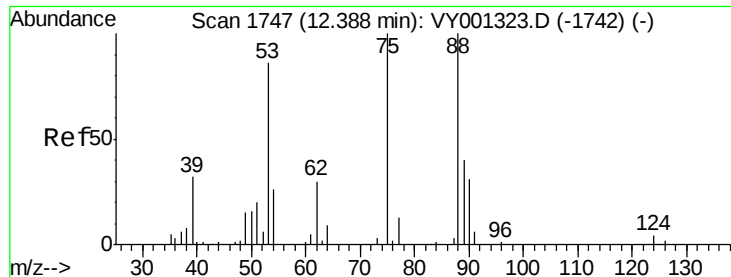
MMDadoda
 2/4/2020 11:21:43 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.001 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion: 105 Resp: 204071
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.874 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_Y

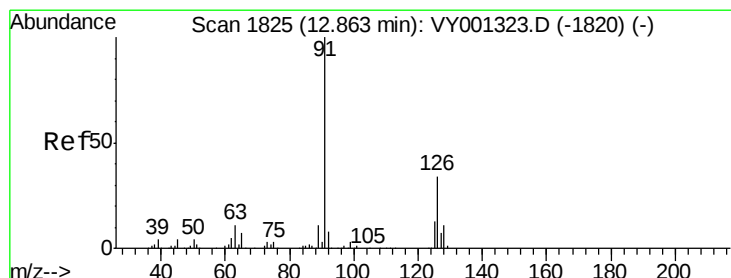
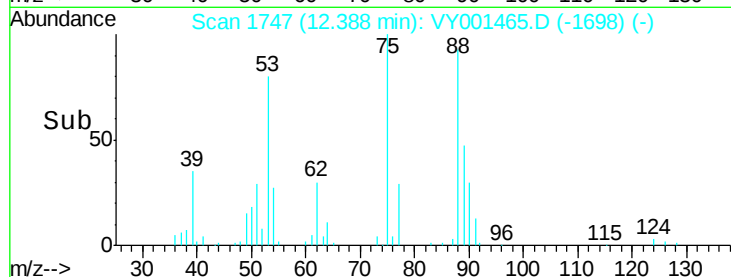
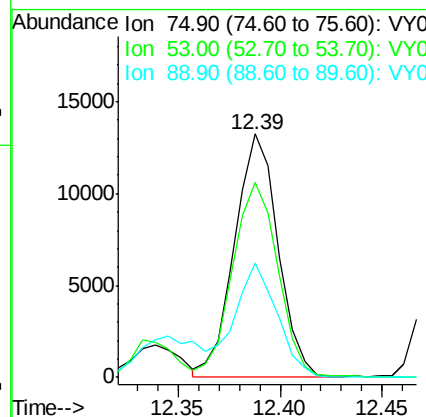
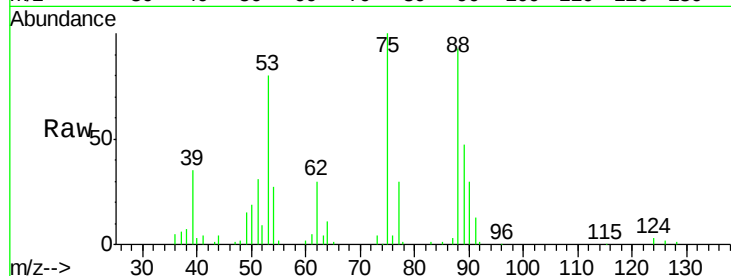
ClientSampleId :

VY0203SBS01

Tot Ion:	75	Resp:	19615
Ion	Ratio	Lower	Upper
75	100		
53	83.4	69.9	104.9
89	46.0	36.6	54.8

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#82

4-Chlorotoluene

Concen: 21.309 ug/l

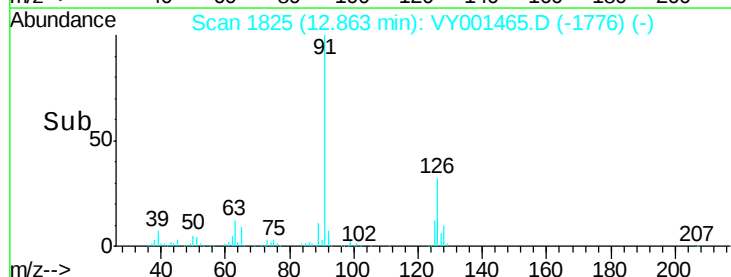
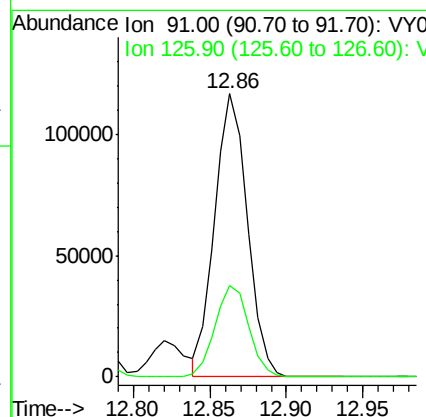
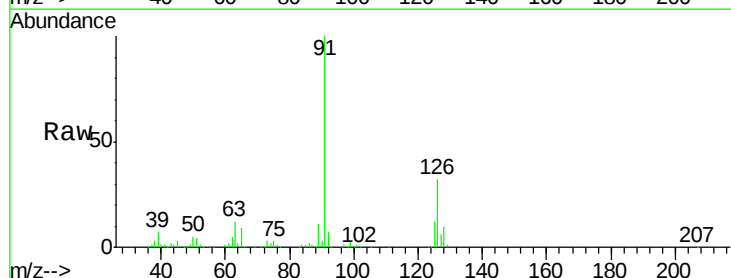
RT: 12.86 min Scan# 1825

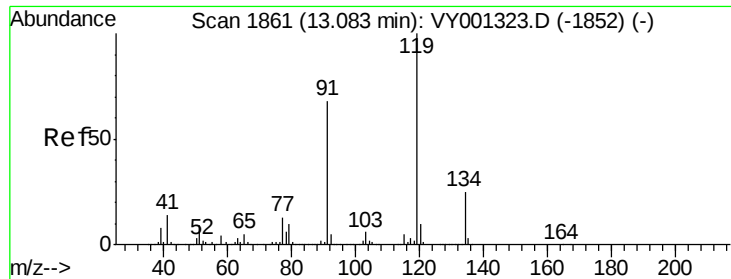
Delta R.T. -0.00 min

Lab File: VY001465.D

Acq: 03 Feb 2020 11:47

Tgt Ion:	91	Resp:	173921
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.4





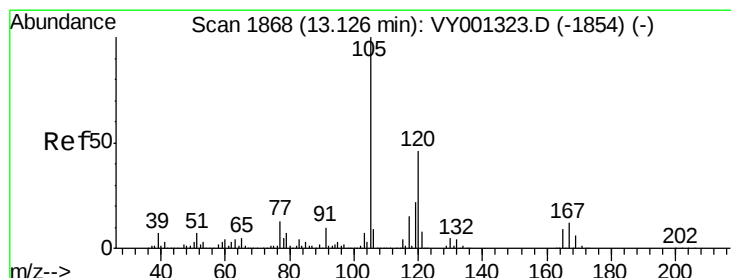
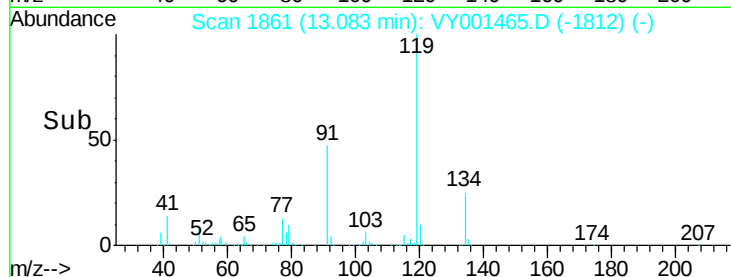
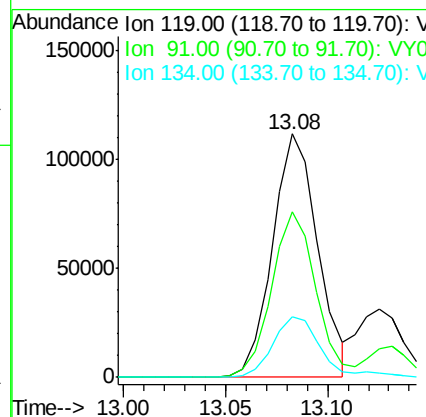
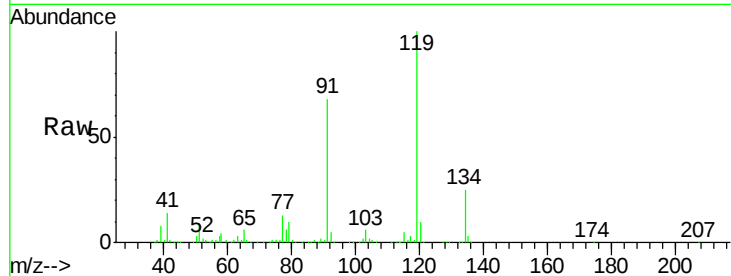
#83
tert-Butylbenzene
Concen: 22.000 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172013		
91	67.1	33.0	99.0	
134	27.1	13.3	39.9	

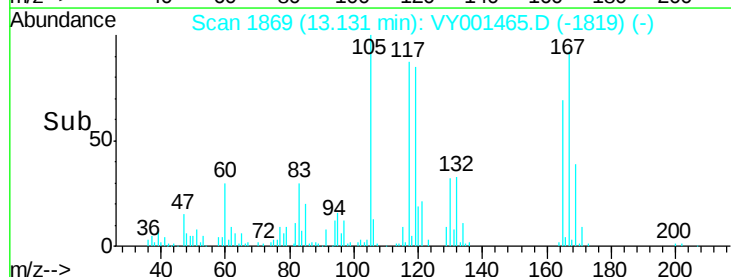
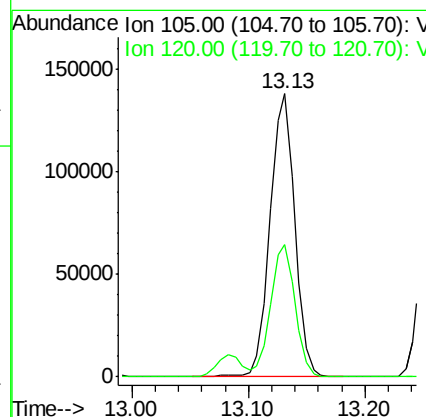
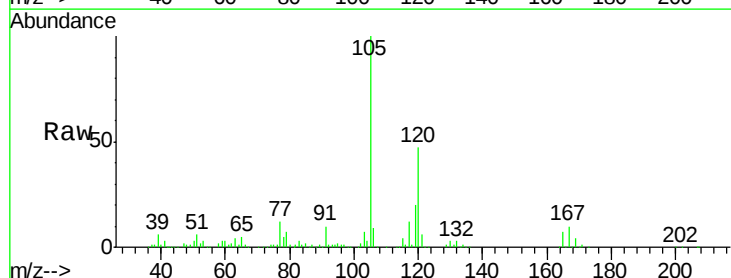
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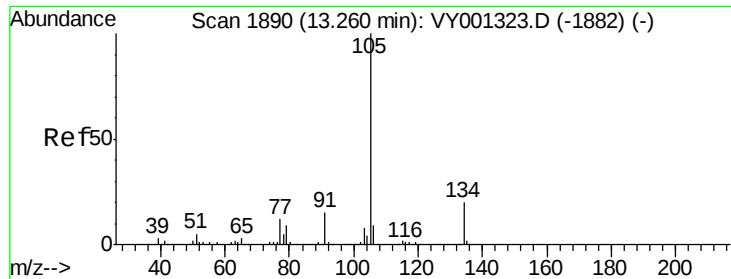
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#84
1,2,4-Trimethylbenzene
Concen: 21.989 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204771		
120	46.2	22.4	67.3	





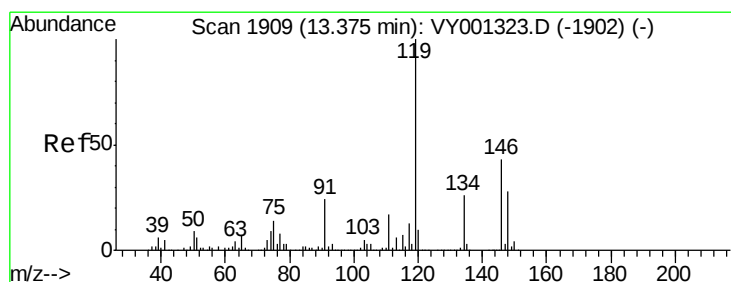
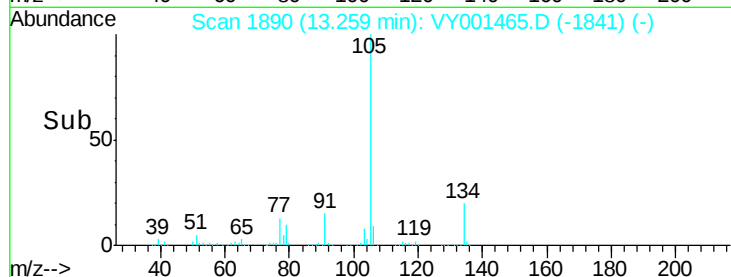
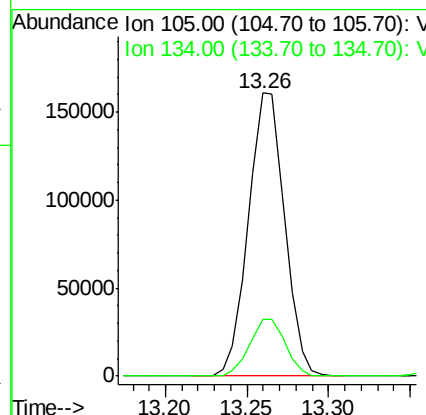
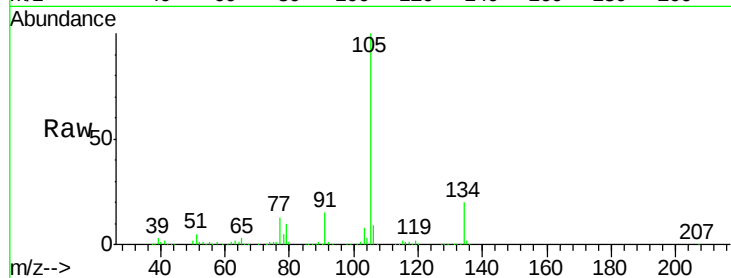
#85
 sec-Butylbenzene
 Concen: 22.432 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	249184		
134	20.0	9.8	29.4	

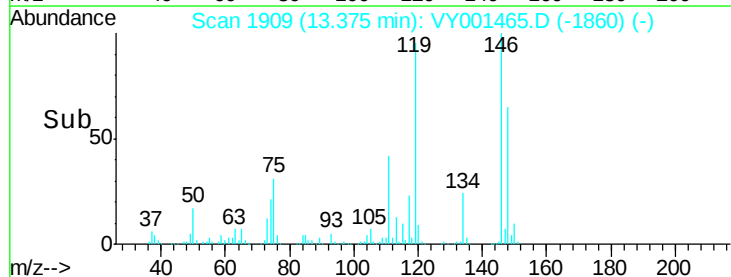
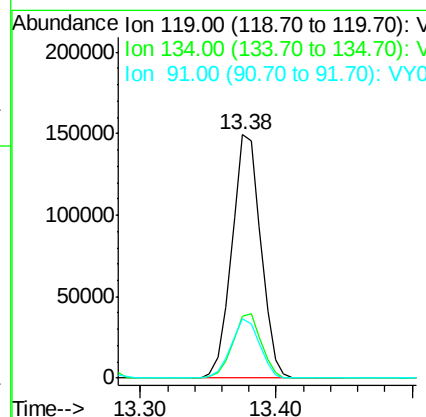
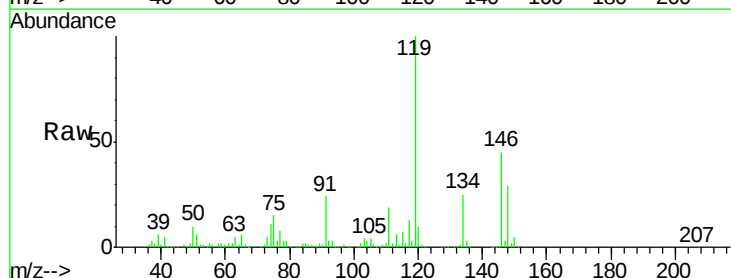
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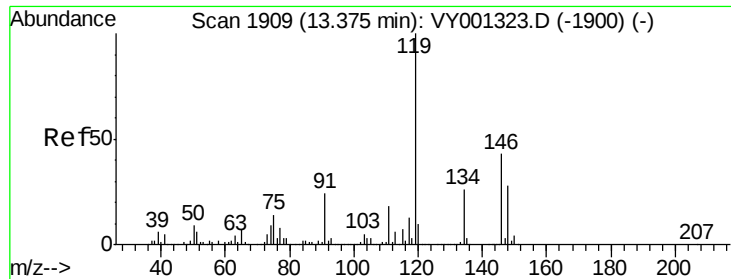
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#86
 p-Isopropyltoluene
 Concen: 22.475 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	220014		
134	26.2	13.5	40.4	
91	23.8	12.2	36.6	





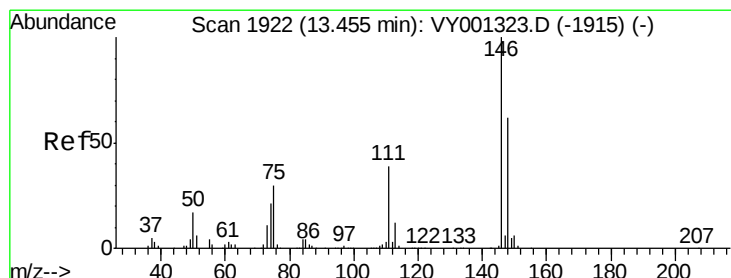
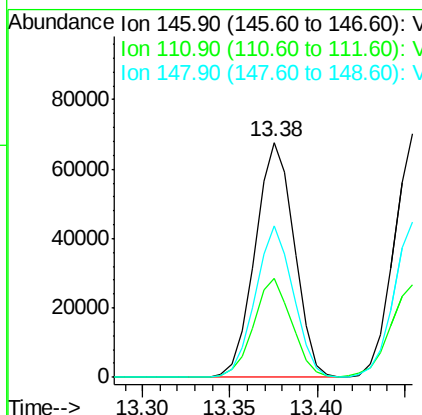
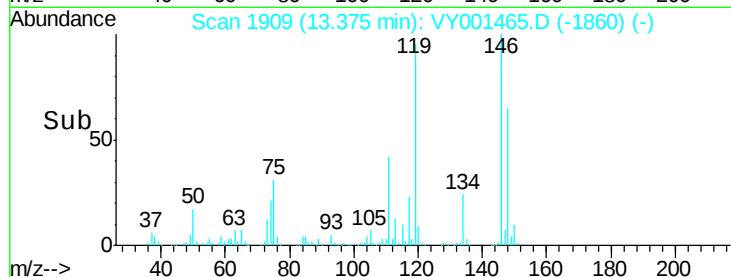
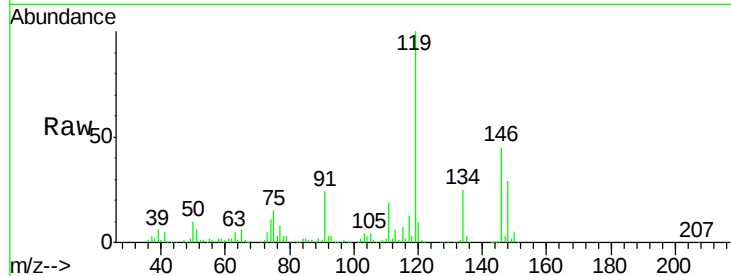
#87
 1,3-Dichlorobenzene
 Concen: 22.178 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105124		
111	40.9	20.6	61.8	
148	62.7	31.6	95.0	

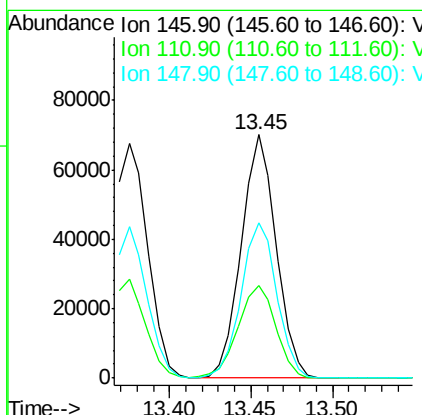
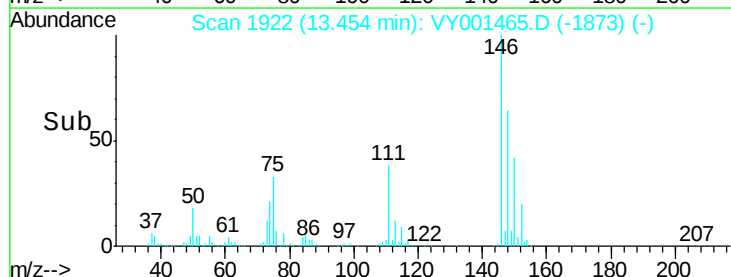
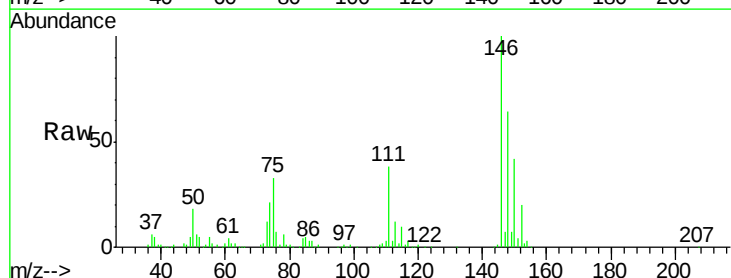
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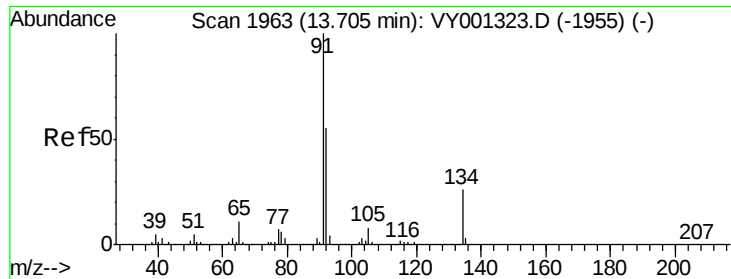
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#88
 1,4-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	104767		
111	41.3	20.5	61.5	
148	65.3	31.6	95.0	





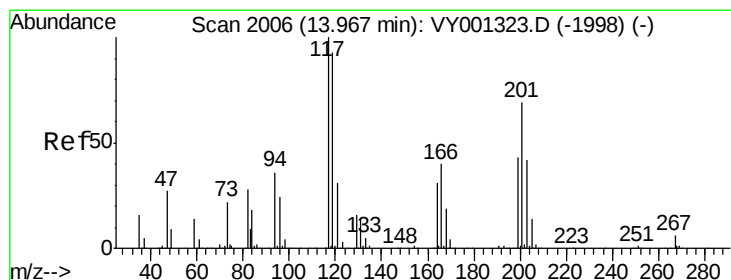
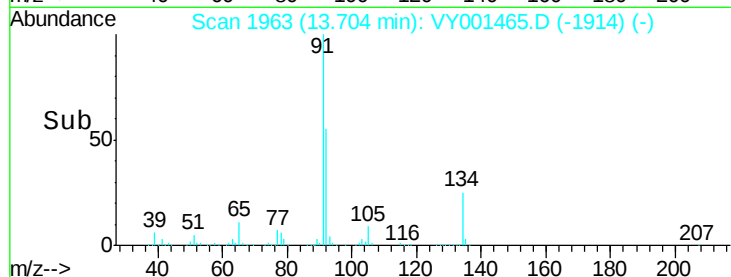
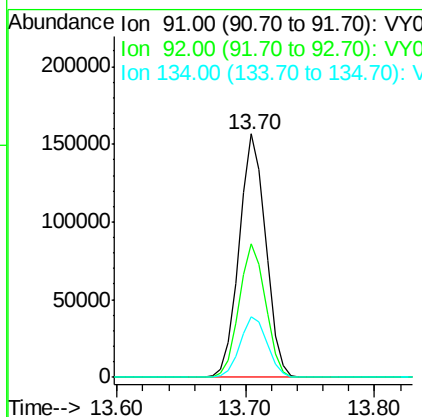
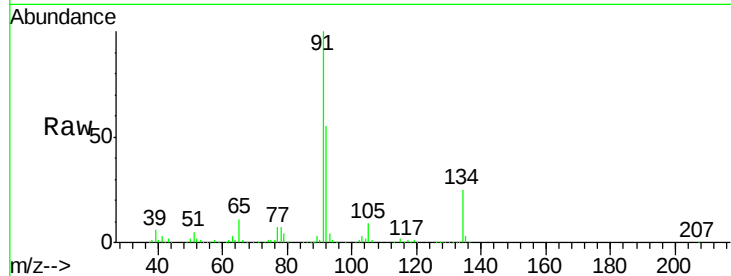
#89
n-Butylbenzene
Concen: 22.609 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	222745		
92	54.9		27.6	82.8
134	25.3		12.9	38.6

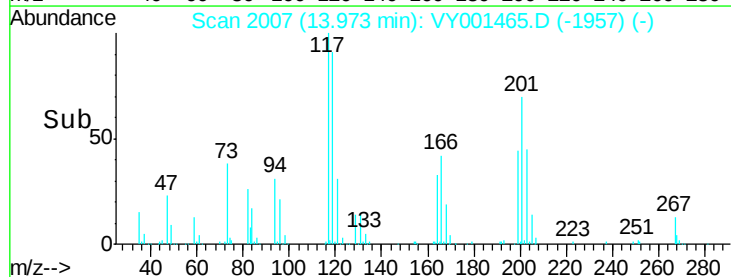
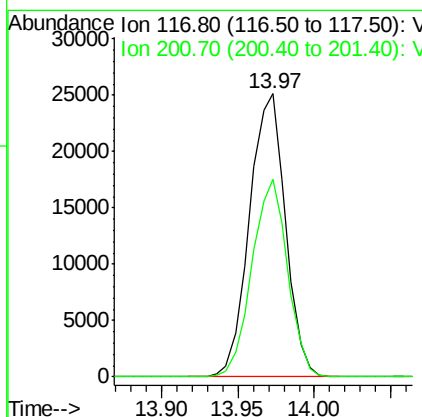
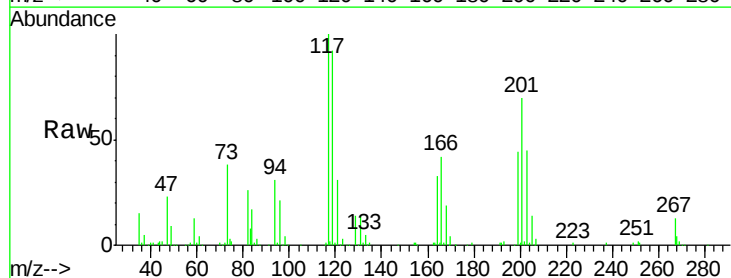
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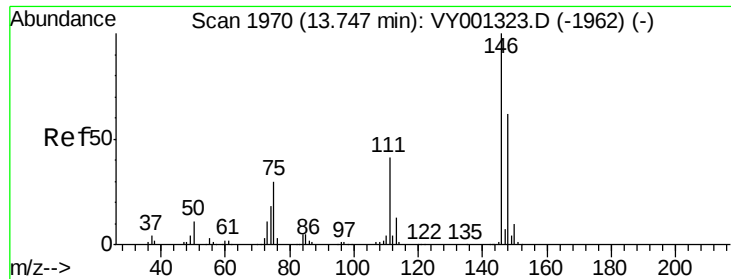
MMDadoda
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#90
Hexachloroethane
Concen: 22.119 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41044		
201	69.1		34.6	103.8





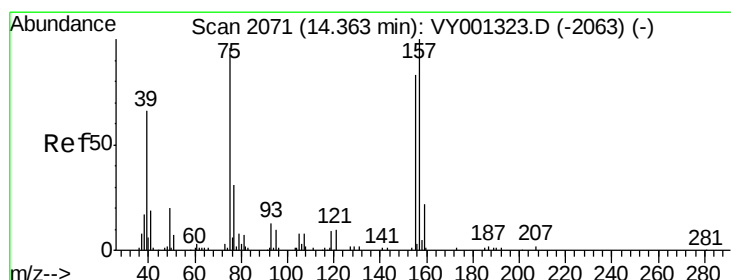
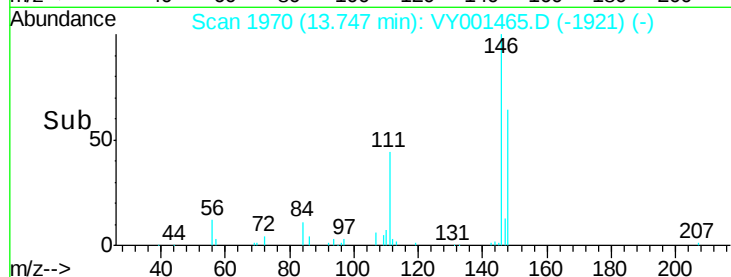
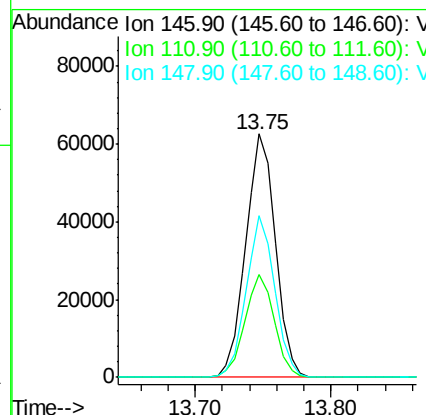
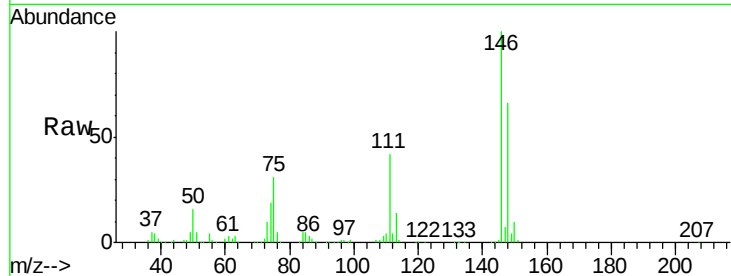
#91
 1,2-Dichlorobenzene
 Concen: 21.884 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	63.8	31.5	94.5

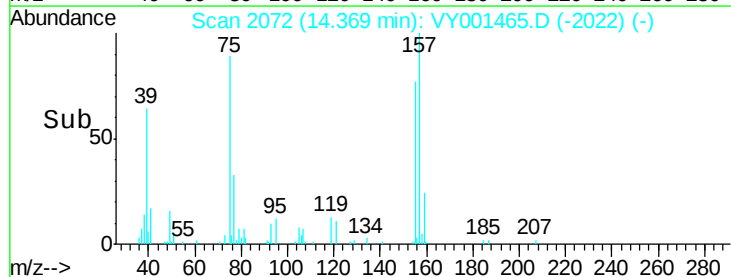
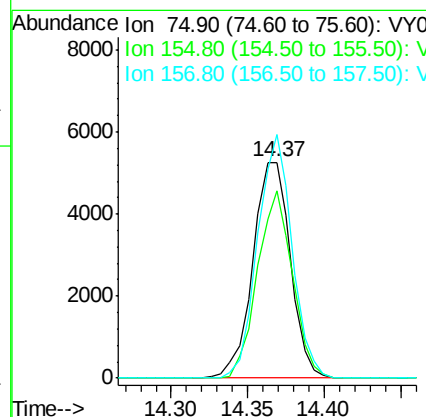
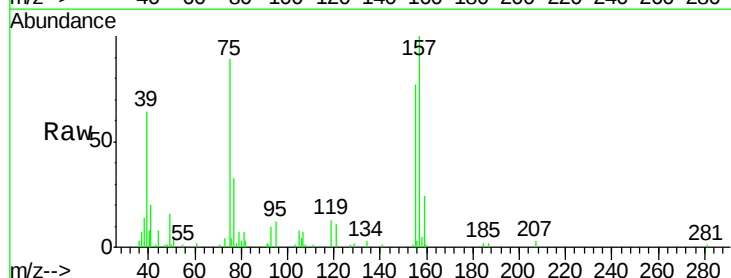
Manual Integrations
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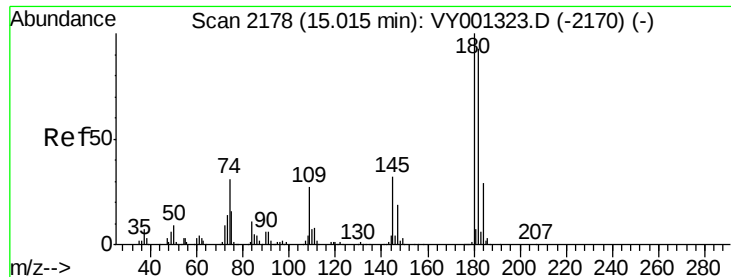
MMDadoda
 2/4/2020 11:21:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.880 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	43.0	129.2
157	103.3	53.3	160.0





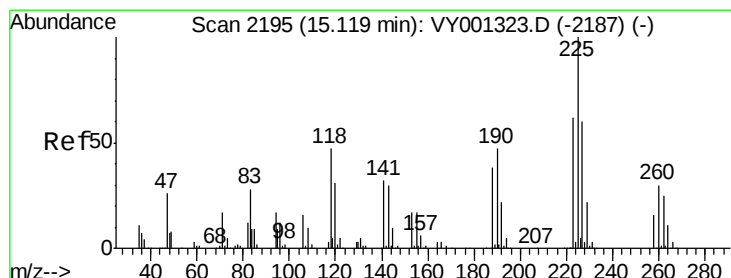
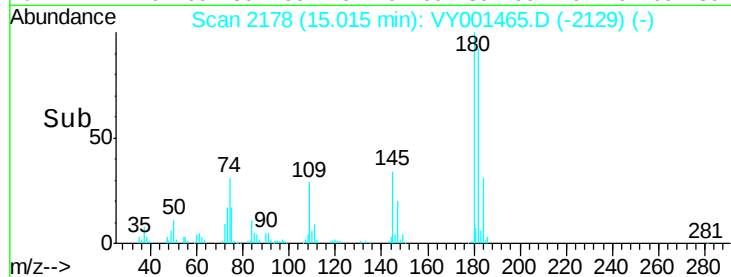
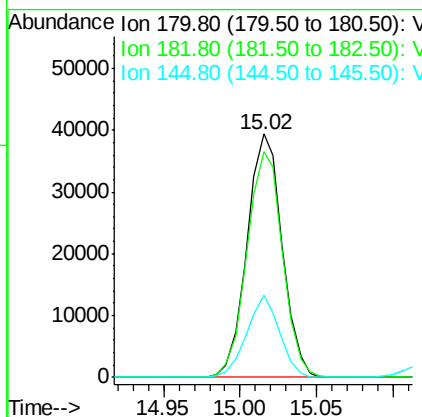
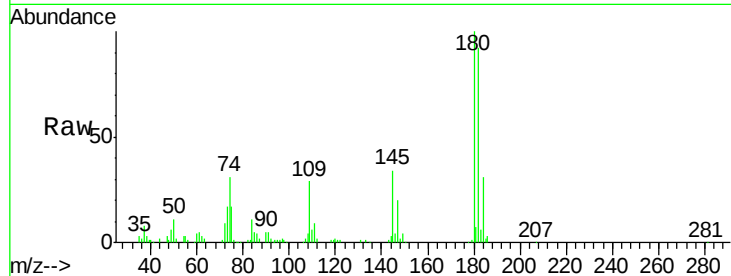
#93
 1,2,4-Trichlorobenzene
 Concen: 21.382 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0203SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.4	16.3	48.9

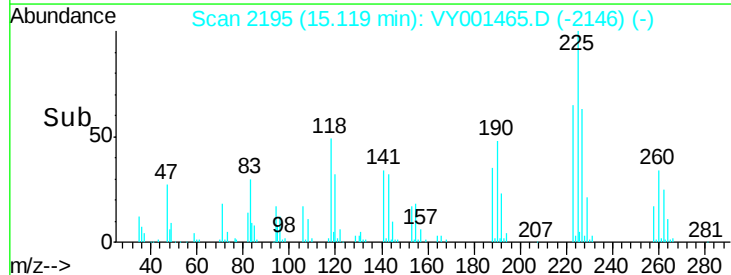
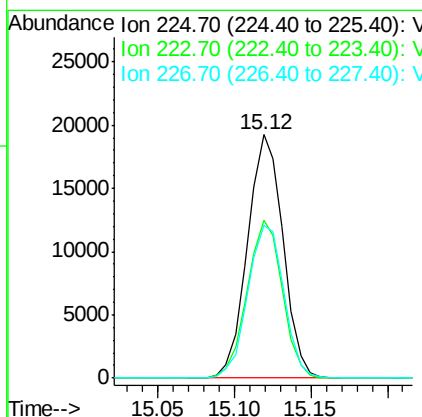
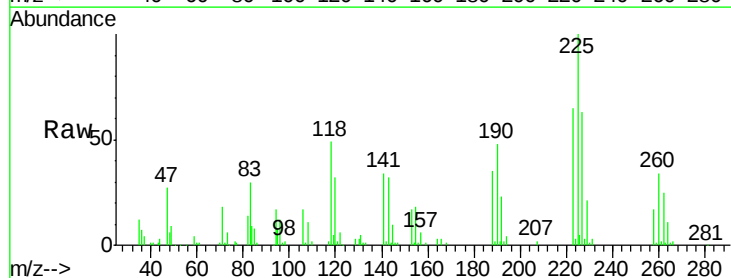
Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:43 AM



#94
 Hexachlorobutadiene
 Concen: 21.730 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001465.D
 Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.2	93.6
227	64.3	31.0	93.0





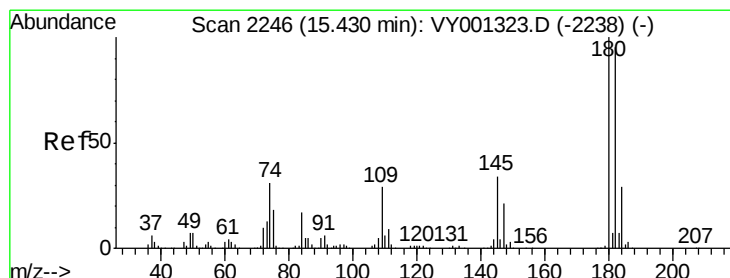
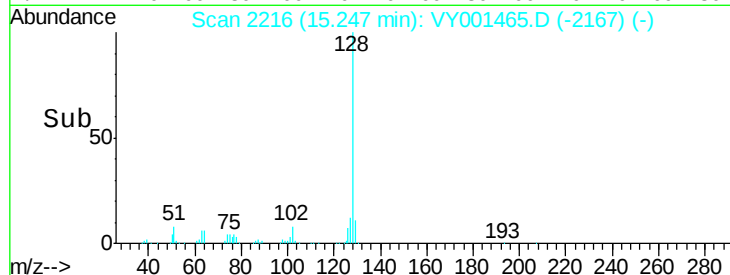
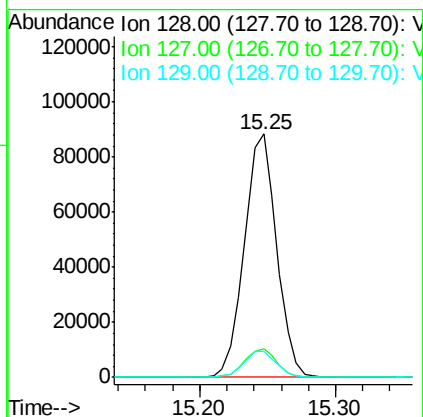
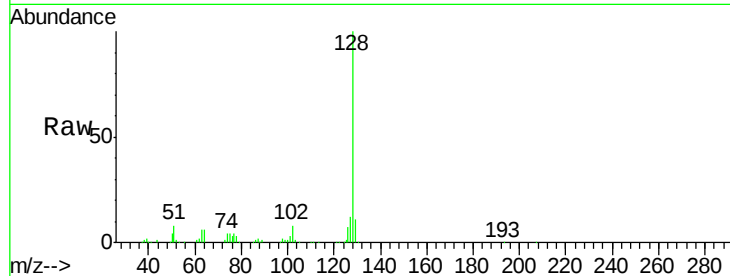
#95
Naphthalene
Concen: 21.841 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0203SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:21:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.632 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001465.D
Acq: 03 Feb 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	33.6	16.8	50.3

