

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001890.D
 Acq On : 05 Mar 2020 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:54 AM

Quant Time: Mar 06 05:47:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	125762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90395	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.74	113	81423	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.19	98	341193	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.49	95	119775	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	67015	45.870	ug/l	99
3) Chloromethane	2.13	50	92940	47.184	ug/l	99
4) Vinyl Chloride	2.26	62	96572	48.200	ug/l	98
5) Bromomethane	2.66	94	65375	56.643	ug/l	97
6) Chloroethane	2.81	64	61561	48.913	ug/l	92
7) Trichlorofluoromethane	3.15	101	129538	47.673	ug/l	98
8) Diethyl Ether	3.55	74	57205	53.416	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	83509	47.782	ug/l	98
10) Methyl Iodide	4.11	142	94450	46.732	ug/l	100
11) Tert butyl alcohol	4.99	59	52692	304.594	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	86369	49.081	ug/l	98
13) Acrolein	3.75	56	60404	254.395	ug/l	98
14) Allyl chloride	4.51	41	161227	51.681	ug/l	99
15) Acrylonitrile	5.19	53	167191	292.152	ug/l	100
16) Acetone	3.97	43	135266	274.853	ug/l	95
17) Carbon Disulfide	4.22	76	286444	48.422	ug/l	98
18) Methyl Acetate	4.50	43	73702	58.285	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	259206	54.355	ug/l	96
20) Methylene Chloride	4.75	84	101448	48.097	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	100031	50.082	ug/l	97
22) Diisopropyl ether	6.15	45	340829	53.298	ug/l	96
23) Vinyl Acetate	6.09	43	1172574	279.703	ug/l	99
24) 1,1-Dichloroethane	6.05	63	176804	51.056	ug/l	99
25) 2-Butanone	7.02	43	222627	297.467	ug/l	99
26) 2,2-Dichloropropane	7.01	77	136399	47.989	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	110194	50.718	ug/l	100
28) Bromochloromethane	7.36	49	83059	53.212	ug/l	97
29) Tetrahydrofuran	7.37	42	152734	307.317	ug/l	99
30) Chloroform	7.53	83	164225	50.476	ug/l	97
31) Cyclohexane	7.81	56	176023	47.407	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	138102	50.361	ug/l	98
36) 1,1-Dichloropropene	7.94	75	136288	48.064	ug/l	99
37) Ethyl Acetate	7.10	43	96248	58.402	ug/l	99
38) Carbon Tetrachloride	7.92	117	117023	48.311	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	183116	48.690	ug/l	97
40) Benzene	8.18	78	415465	49.433	ug/l	100
41) Methacrylonitrile	7.35	41	48997m	66.063	ug/l	
42) 1,2-Dichloroethane	8.26	62	112649	52.015	ug/l	99
43) Isopropyl Acetate	8.29	43	176514	56.572	ug/l	97
44) Trichloroethene	8.96	130	99172	48.450	ug/l	94
45) 1,2-Dichloropropane	9.23	63	106980	50.635	ug/l	99
46) Dibromomethane	9.32	93	56448	51.846	ug/l	99
47) Bromodichloromethane	9.51	83	128594	50.774	ug/l	99
48) Methyl methacrylate	9.31	41	78745	56.876	ug/l	95
49) 1,4-Dioxane	9.31	88	17280	1158.279	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	477972	297.410	ug/l	98
52) Toluene	10.25	92	252424	49.440	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	146762	53.188	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	168702	51.358	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	84708	53.162	ug/l	97
56) Ethyl methacrylate	10.52	69	131098	56.132	ug/l	97
57) 1,3-Dichloropropane	10.80	76	149766	52.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	211666	260.618	ug/l	100
59) 2-Hexanone	10.84	43	340948	297.230	ug/l	100
60) Dibromochloromethane	11.00	129	88050	52.442	ug/l	99
61) 1,2-Dibromoethane	11.10	107	79666	52.782	ug/l	99
64) Tetrachloroethene	10.73	164	79985	47.950	ug/l	95
65) Chlorobenzene	11.53	112	260218	49.097	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	87413	50.294	ug/l	100
67) Ethyl Benzene	11.60	91	484090	48.975	ug/l	97
68) m/p-Xylenes	11.71	106	358981	98.233	ug/l	99
69) o-Xylene	12.04	106	169249	49.138	ug/l	100
70) Styrene	12.05	104	300271	50.900	ug/l	100
71) Bromoform	12.22	173	50963	54.068	ug/l #	98
73) Isopropylbenzene	12.34	105	456195	47.519	ug/l	99
74) N-amyl acetate	12.15	43	163340	55.359	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	111524	53.869	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	71911m	48.190	ug/l	
77) Bromobenzene	12.62	156	99254	48.797	ug/l	99
78) n-propylbenzene	12.68	91	561818	47.435	ug/l	99
79) 2-Chlorotoluene	12.77	91	312598	47.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	378135	47.844	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	40591	54.945	ug/l	98
82) 4-Chlorotoluene	12.86	91	325812	47.821	ug/l	100
83) tert-Butylbenzene	13.08	119	310178	47.252	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	377496	48.129	ug/l	100
85) sec-Butylbenzene	13.27	105	462577	47.808	ug/l	100
86) p-Isopropyltoluene	13.38	119	401495	48.102	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	190386	47.766	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	192108	47.509	ug/l	99
89) n-Butylbenzene	13.70	91	414889	47.911	ug/l	99
90) Hexachloroethane	13.97	117	76584	48.637	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	177777	49.095	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17566	54.374	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	112916	48.084	ug/l	97
94) Hexachlorobutadiene	15.12	225	54652	47.735	ug/l	99
95) Naphthalene	15.25	128	298987	53.677	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	104445	50.488	ug/l	100

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

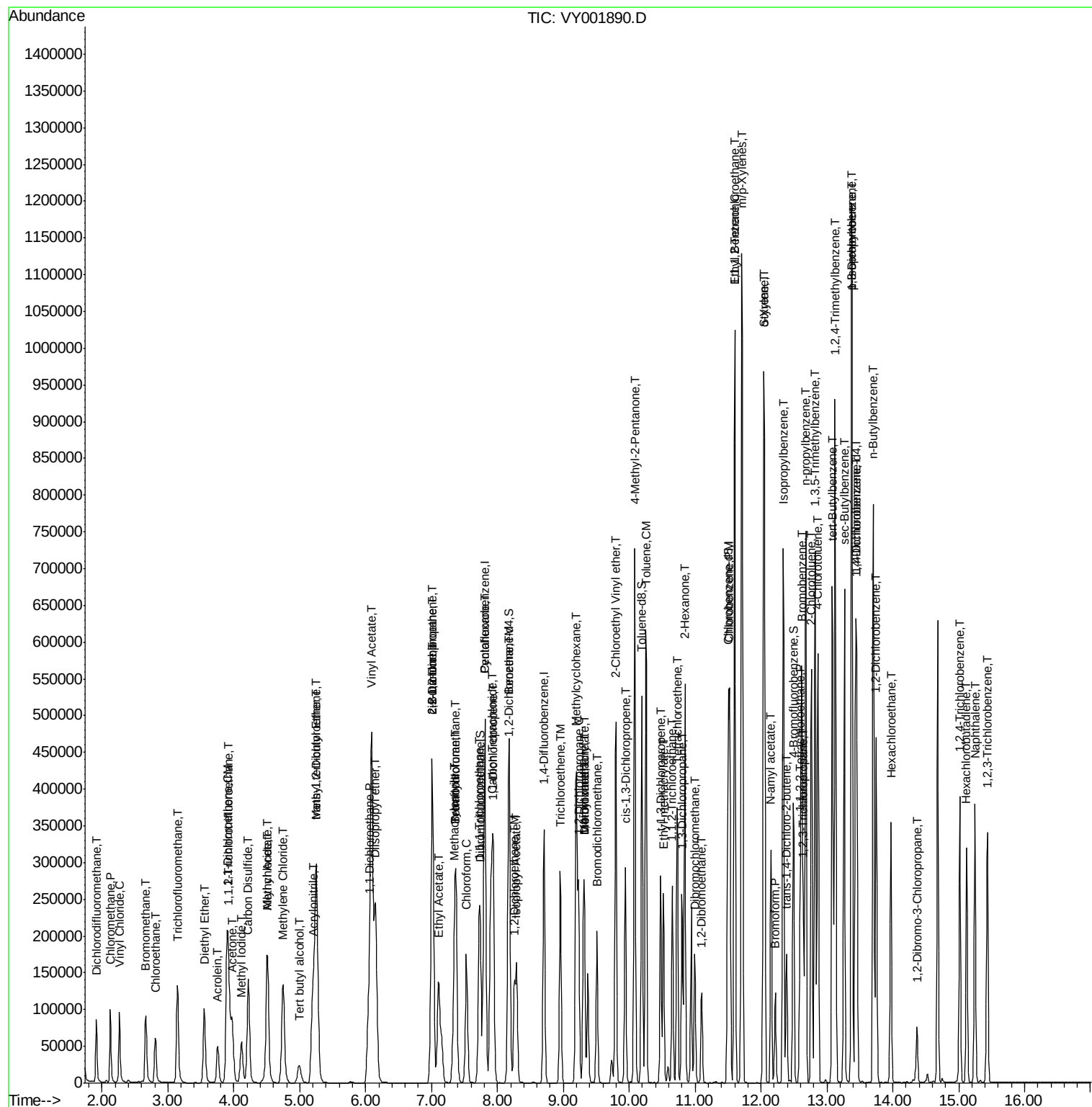
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
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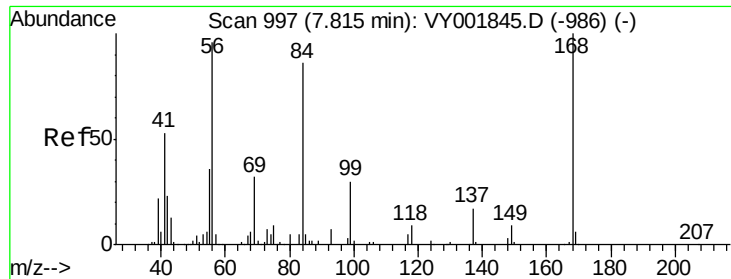
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 158275

Ion Ratio Lower Upper

168 100

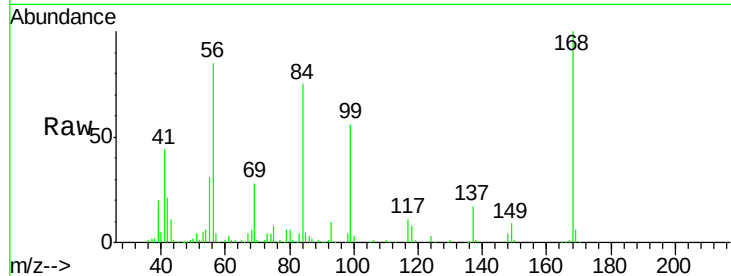
99 55.9 46.7 70.1

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

7.82

60000

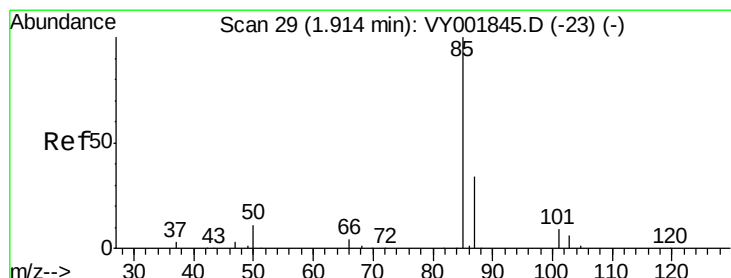
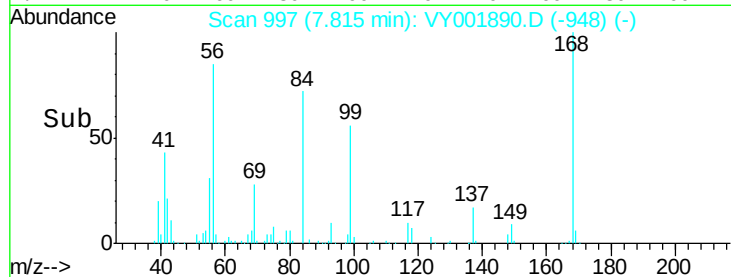
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.870 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001890.D

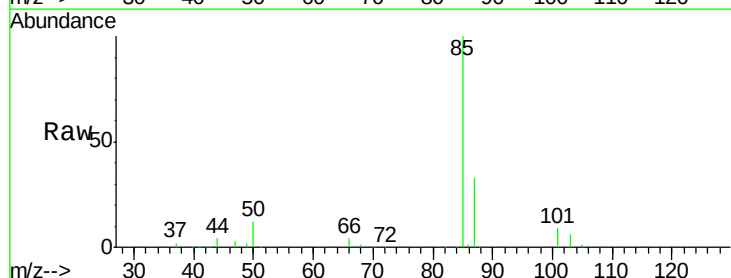
Acq: 05 Mar 2020 18:18

Tgt Ion: 85 Resp: 67015

Ion Ratio Lower Upper

85 100

87 33.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

50000

40000

30000

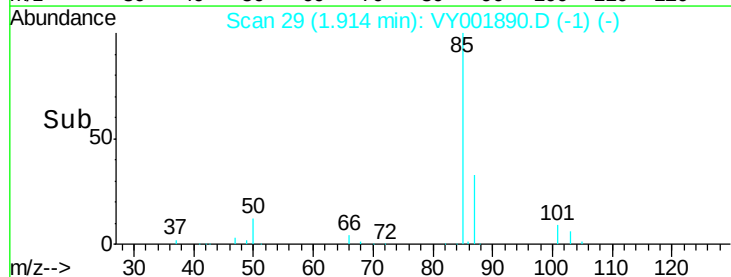
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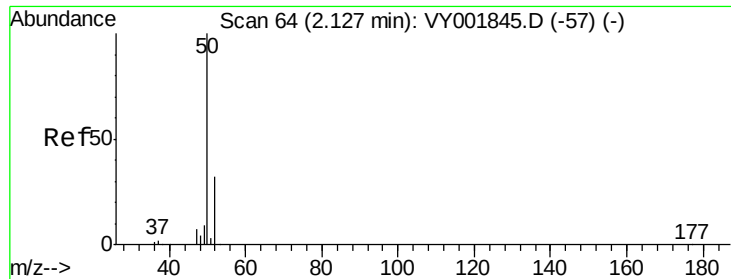
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.184 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92940

Ion Ratio Lower Upper

50 100

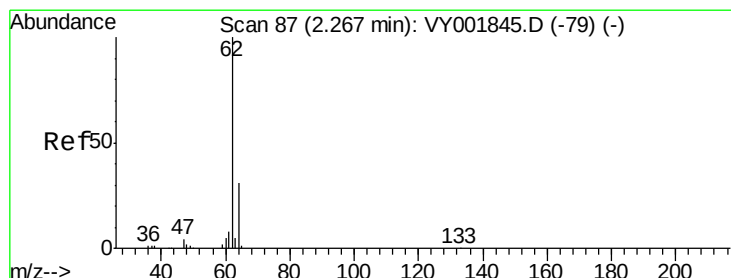
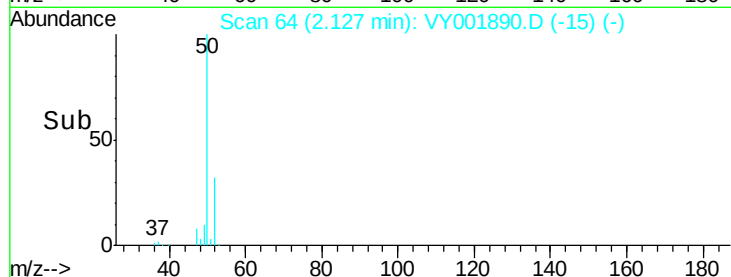
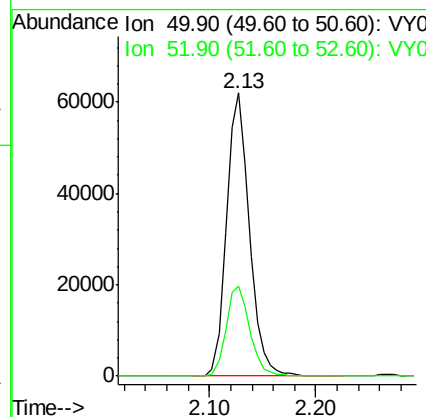
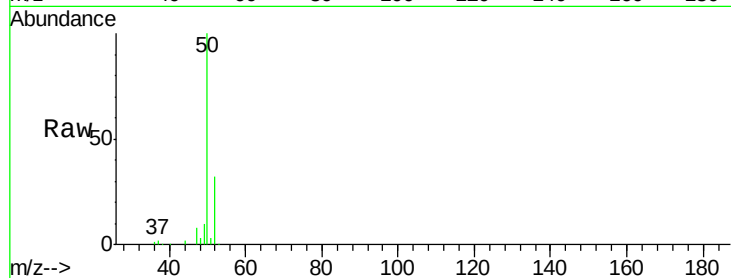
52 31.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.200 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001890.D

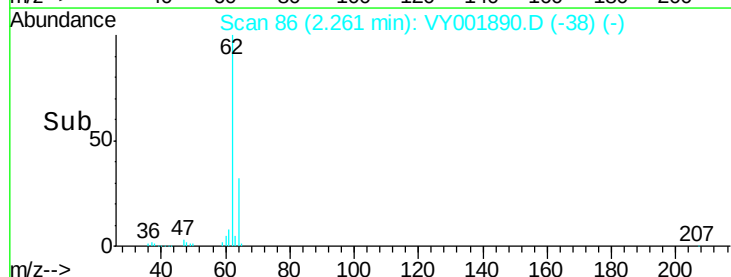
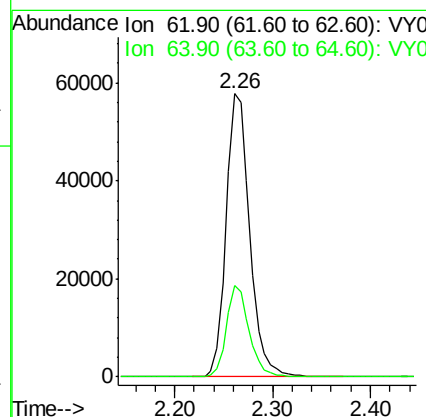
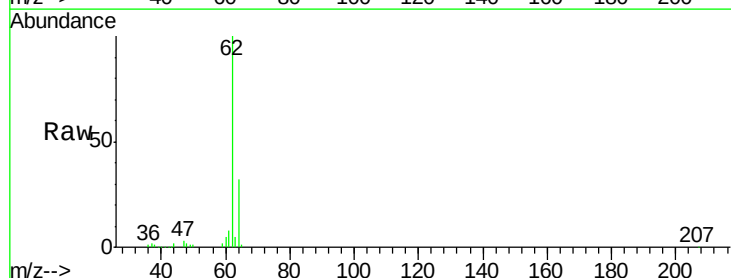
Acq: 05 Mar 2020 18:18

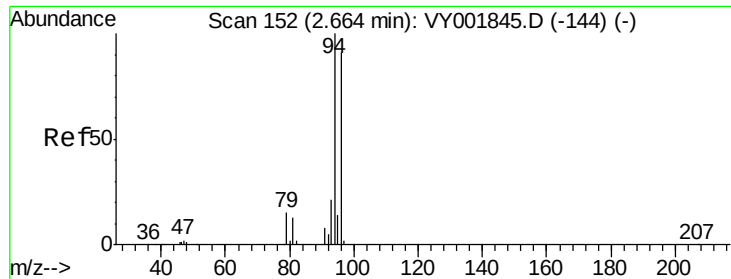
Tgt Ion: 62 Resp: 96572

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 56.643 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65375

Ion Ratio Lower Upper

94 100

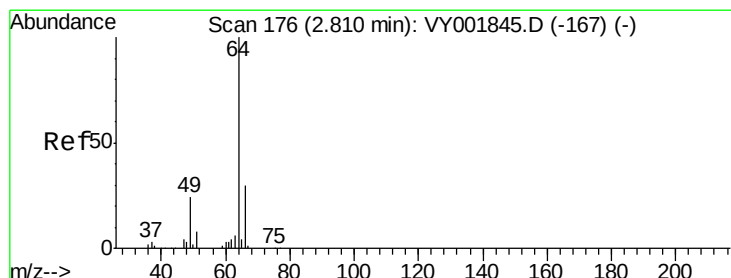
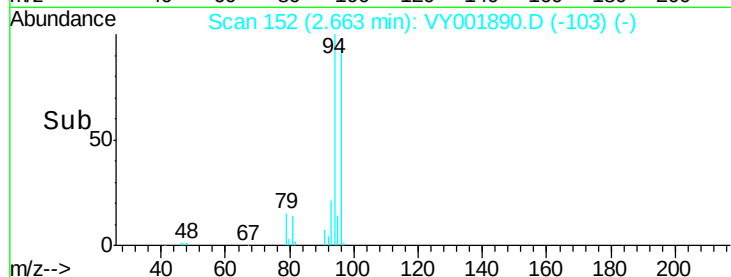
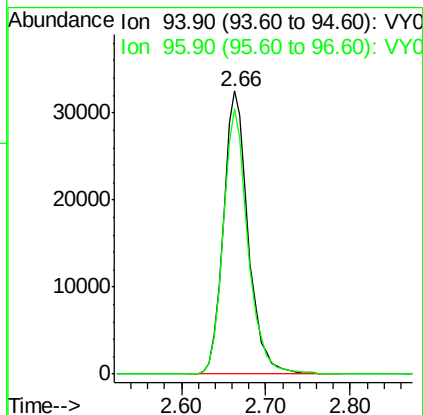
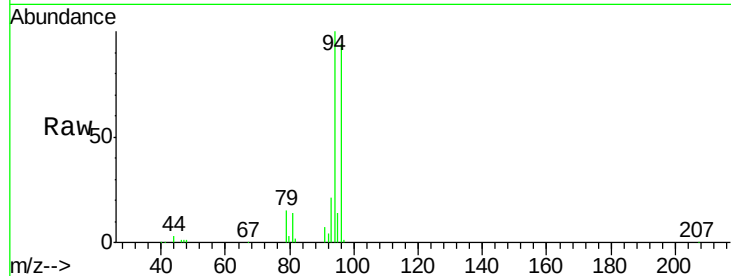
96 94.0 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 48.913 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001890.D

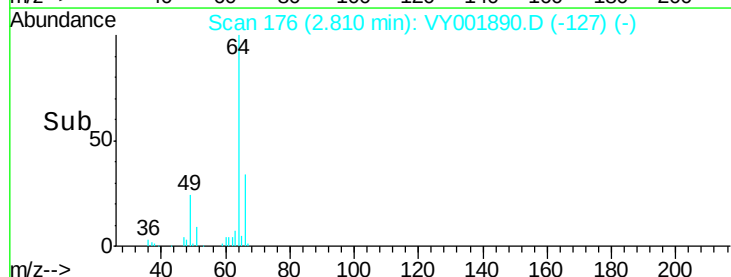
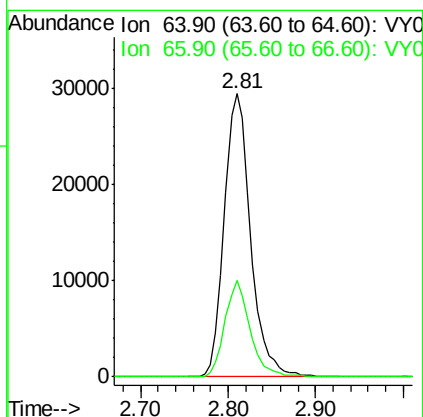
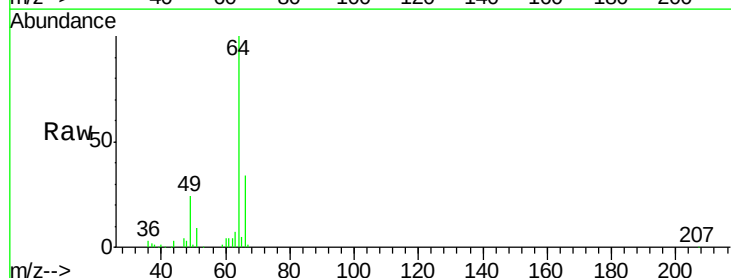
Acq: 05 Mar 2020 18:18

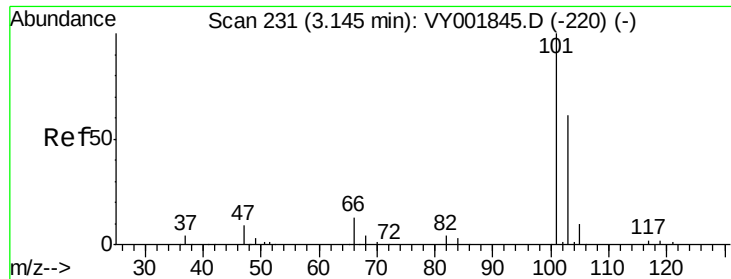
Tgt Ion: 64 Resp: 61561

Ion Ratio Lower Upper

64 100

66 34.0 23.8 35.8





#7

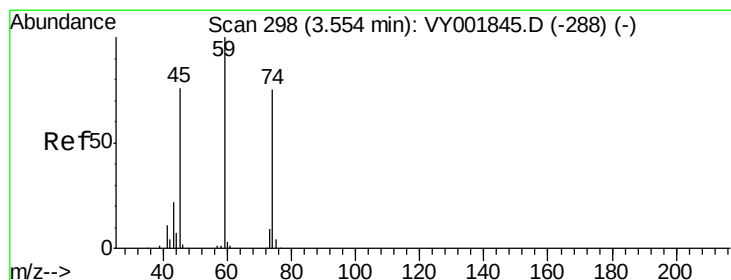
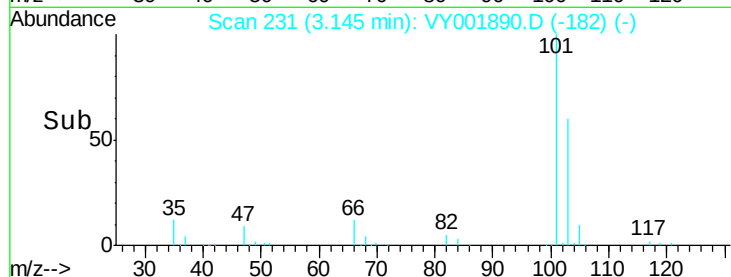
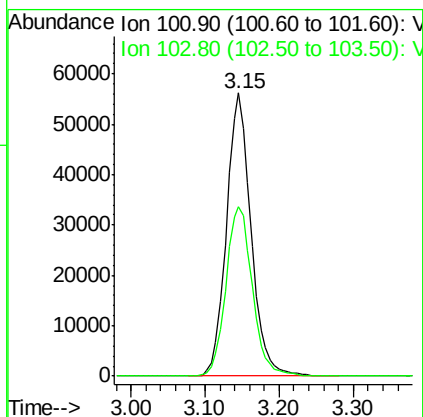
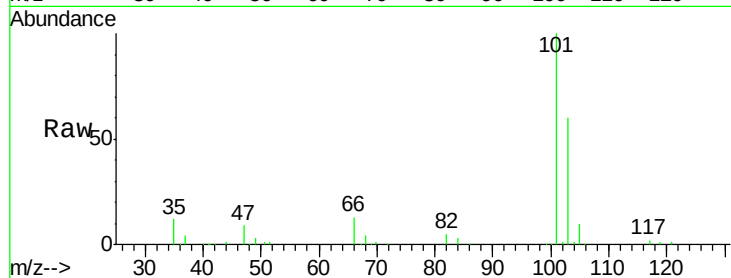
Trichlorofluoromethane
Concen: 47.673 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	49.1	73.7

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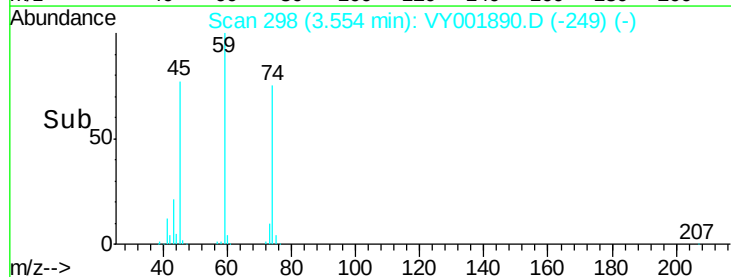
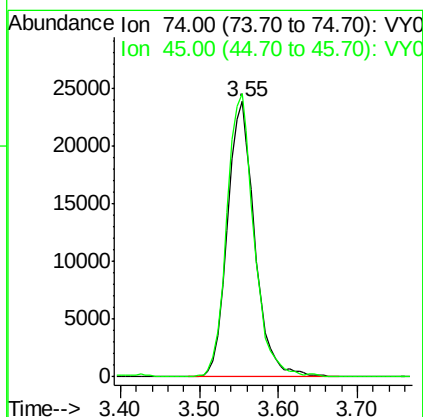
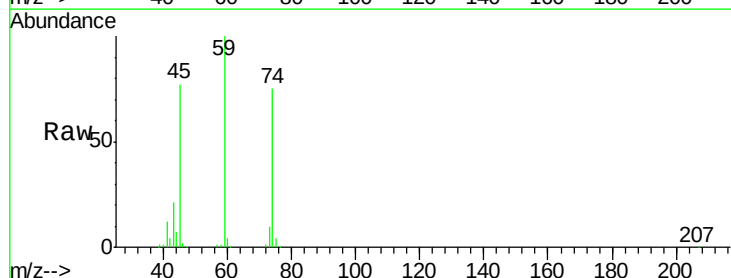
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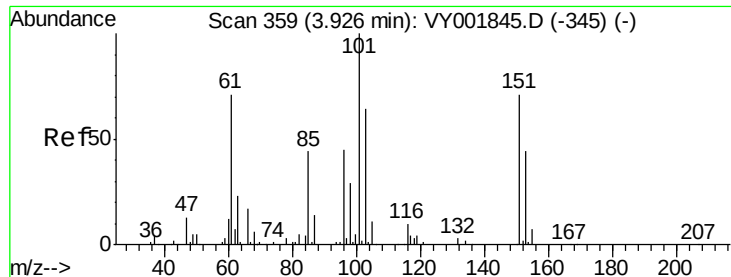


#8

Diethyl Ether
Concen: 53.416 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.782 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.00 min

Lab File: VY001890.D

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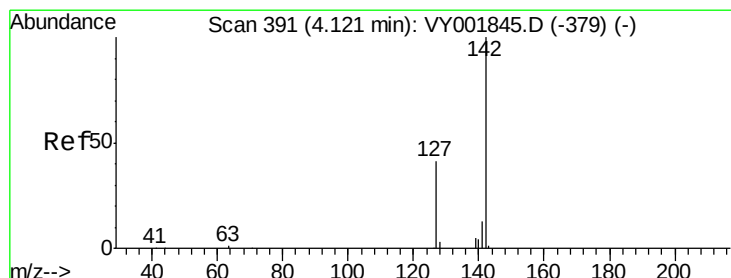
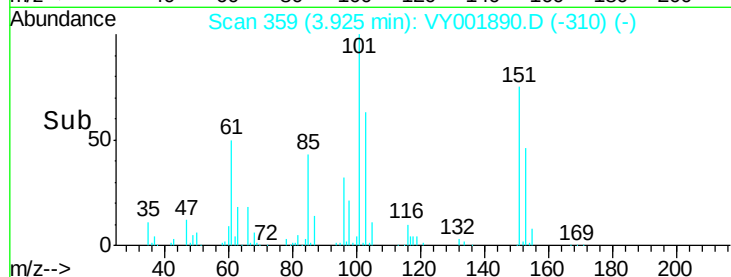
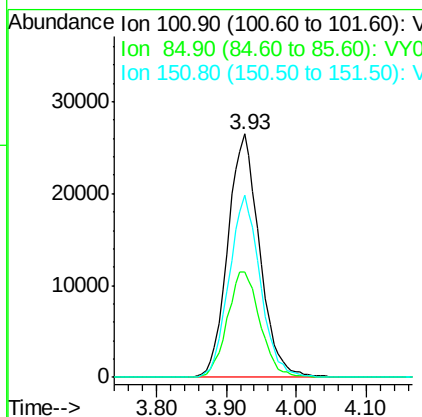
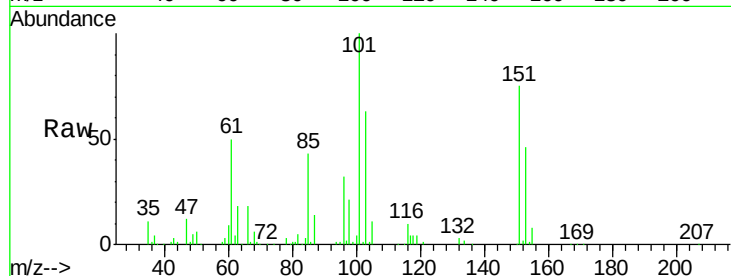
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83509
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.3	52.9
151	73.5	57.0	85.4

Manual Integrations
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3/6/2020 11:16:54 AM



#10

Methyl Iodide

Concen: 46.732 ug/l

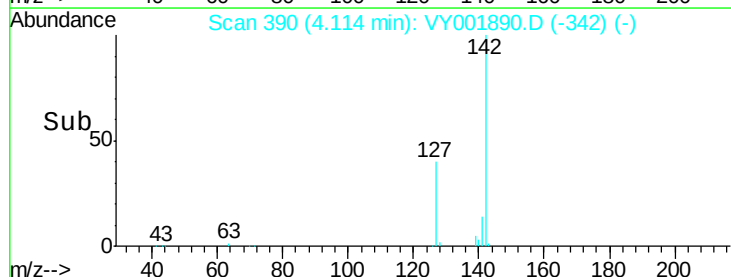
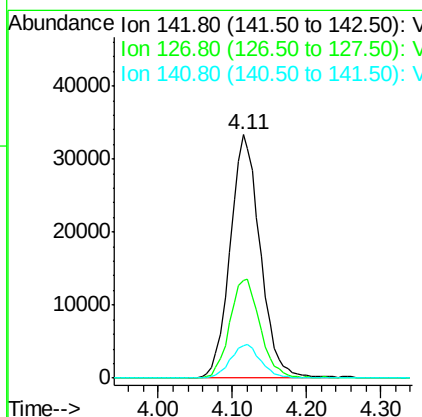
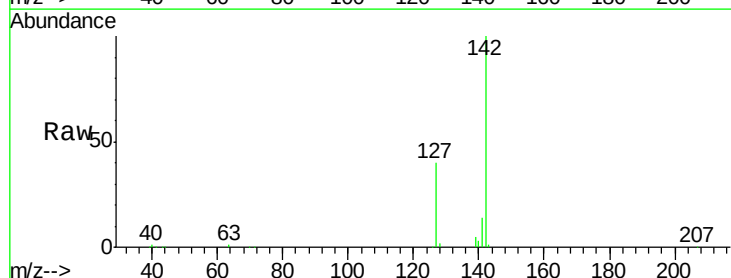
RT: 4.11 min Scan# 390

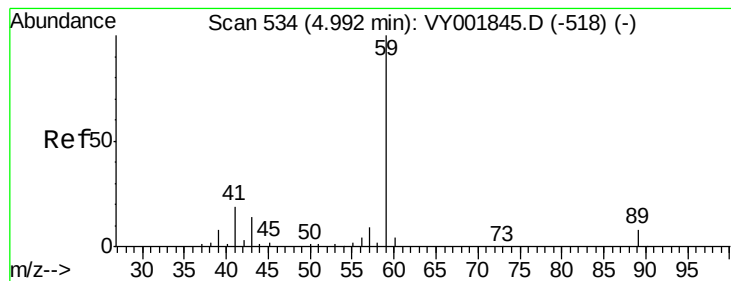
Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	142	Resp:	94450
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.7	49.1
141	13.8	11.0	16.6





#11

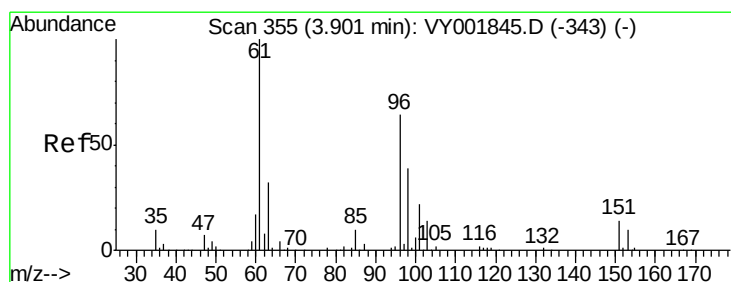
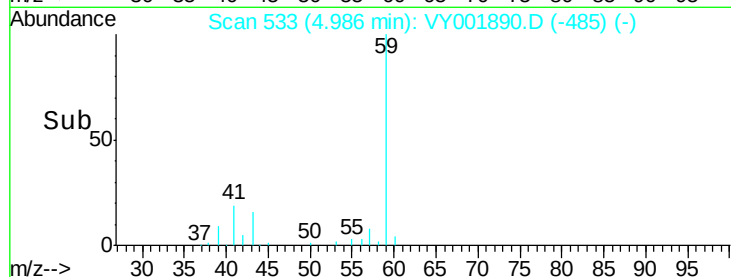
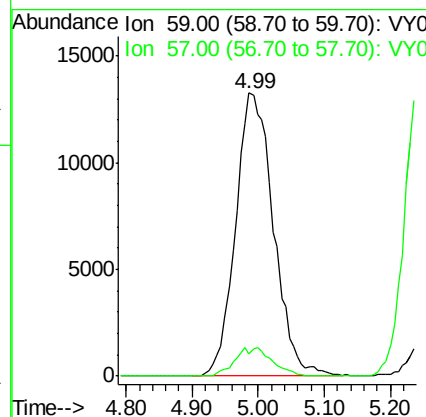
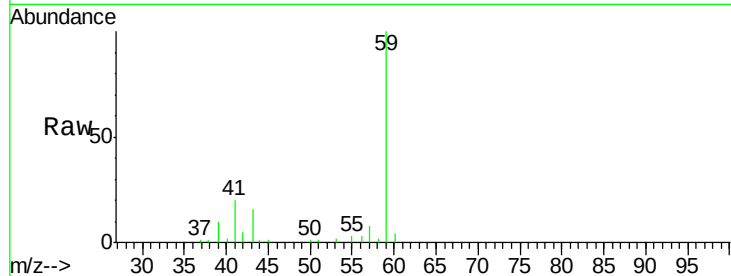
Tert butyl alcohol
Concen: 304.594 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.2	7.4	11.2#

Manual Integrations
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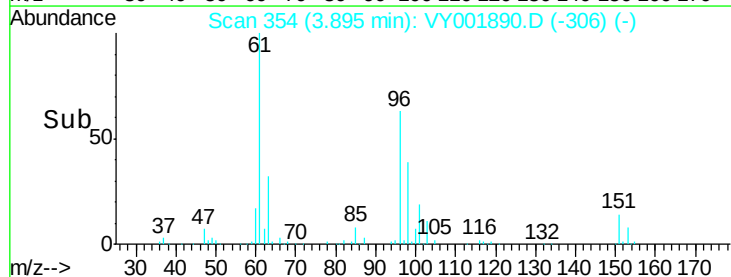
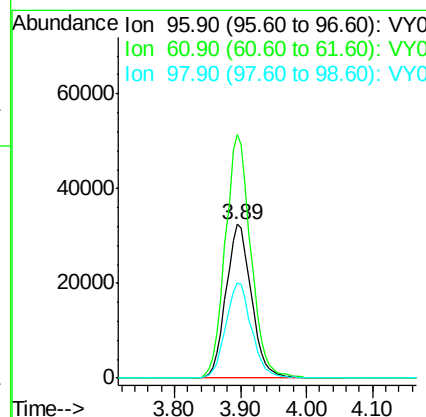
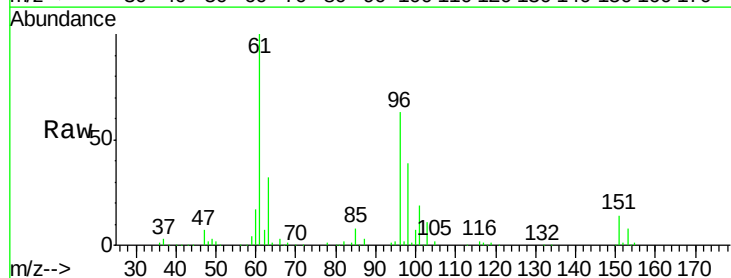
MMDadoda
3/6/2020 11:16:54 AM

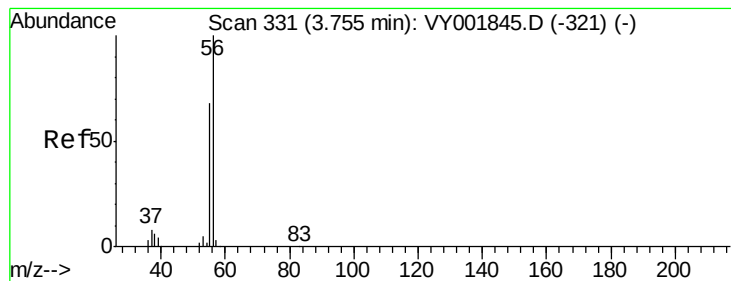


#12

1,1-Dichloroethene
Concen: 49.081 ug/l
RT: 3.89 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	124.8	187.2
98	62.2	49.2	73.8





#13

Acrolein

Concen: 254.395 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 60404

Ion Ratio Lower Upper

56 100

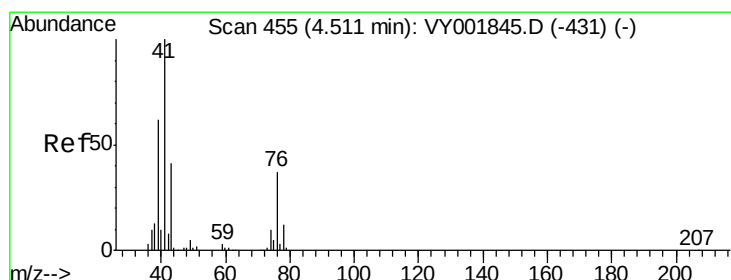
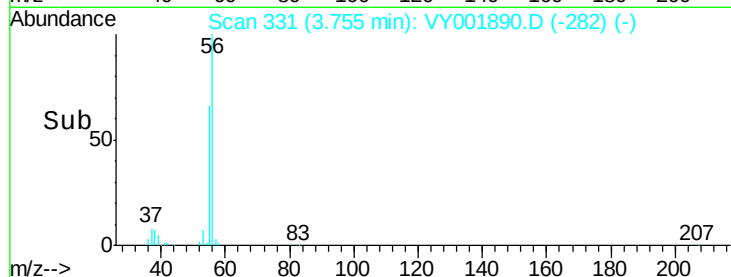
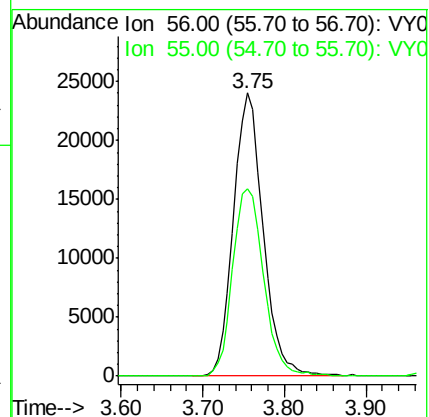
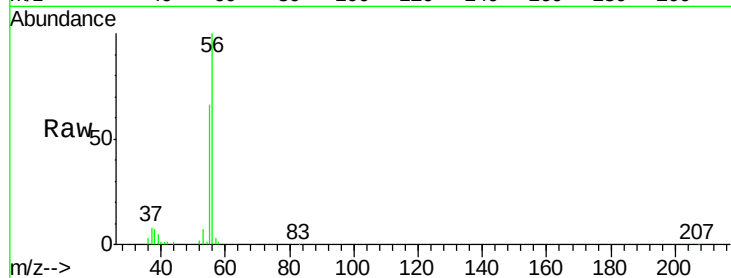
55 69.2 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 51.681 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

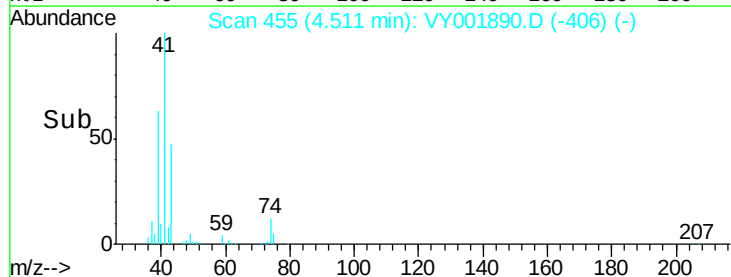
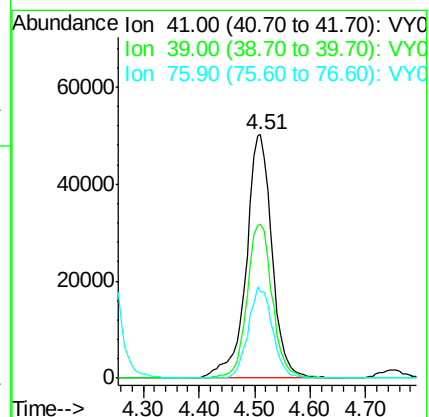
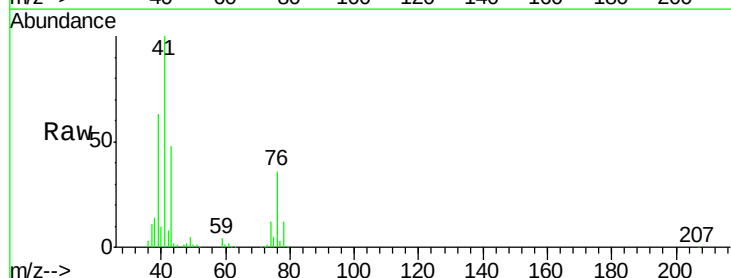
Tgt Ion: 41 Resp: 161227

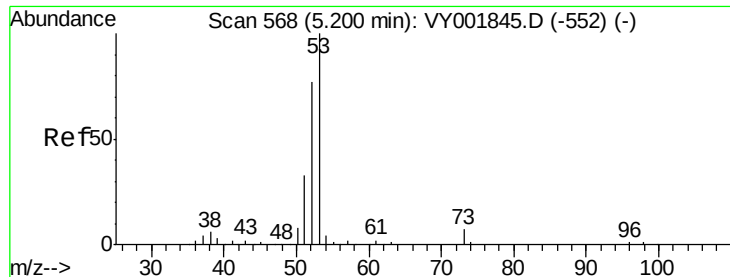
Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 35.2 28.9 43.3





#15

Acrylonitrile

Concen: 292.152 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

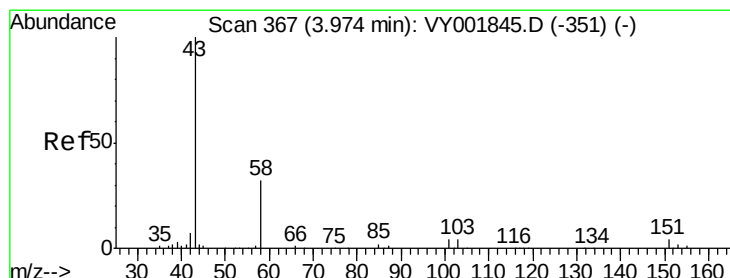
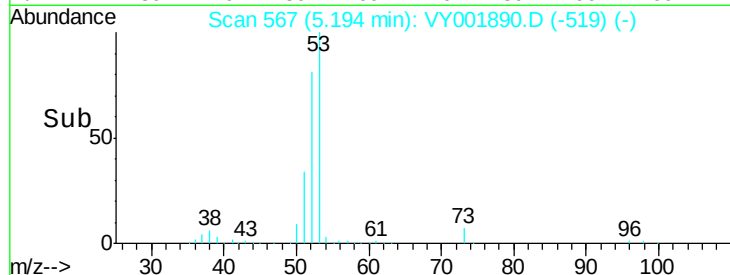
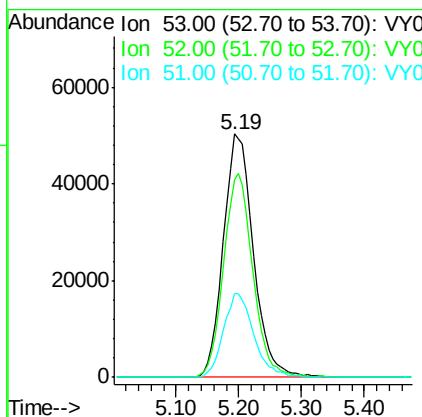
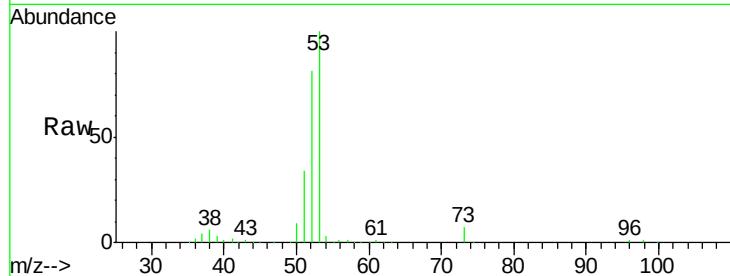
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	167191
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.1	97.7
51	34.7	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 274.853 ug/l

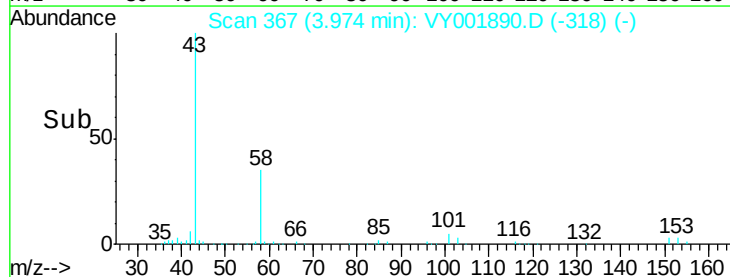
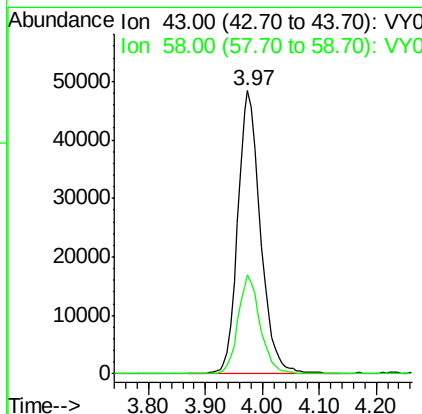
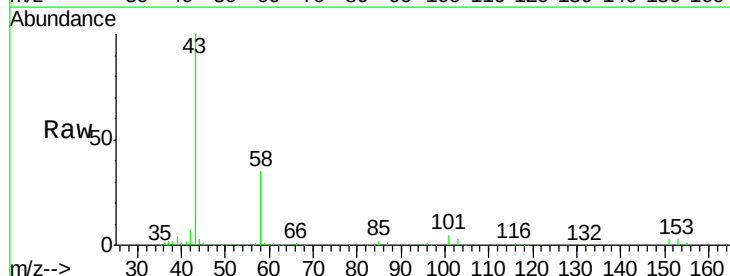
RT: 3.97 min Scan# 367

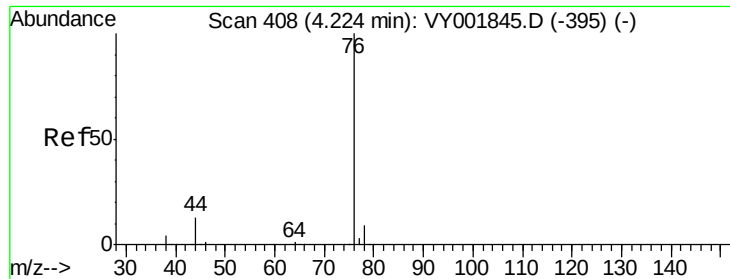
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	43	Resp:	135266
Ion	Ratio	Lower	Upper
43	100		
58	35.2	25.9	38.9





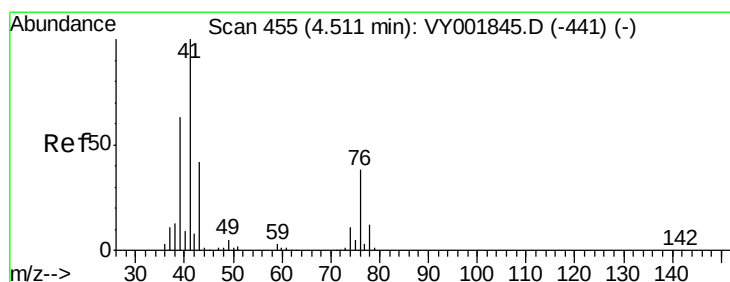
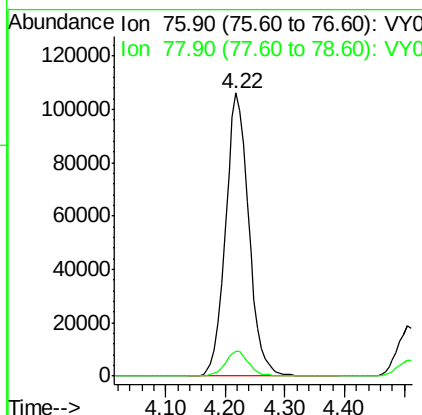
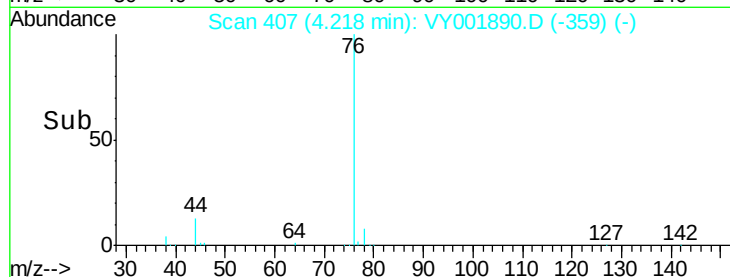
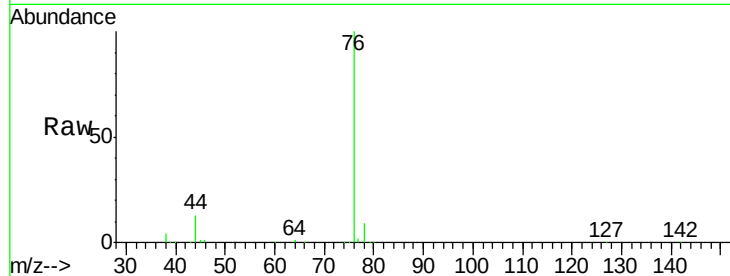
#17
Carbon Disulfide
Concen: 48.422 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

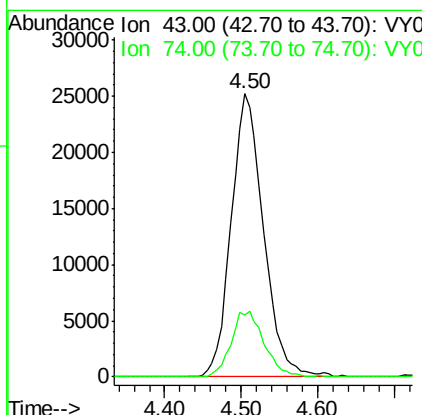
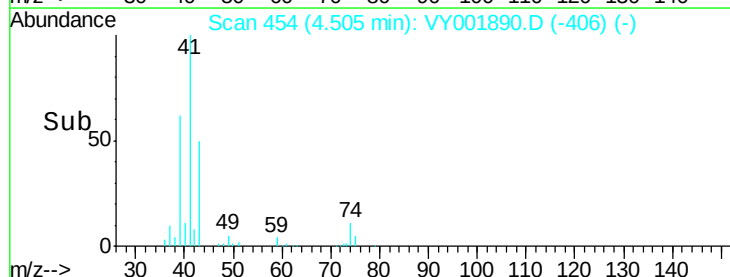
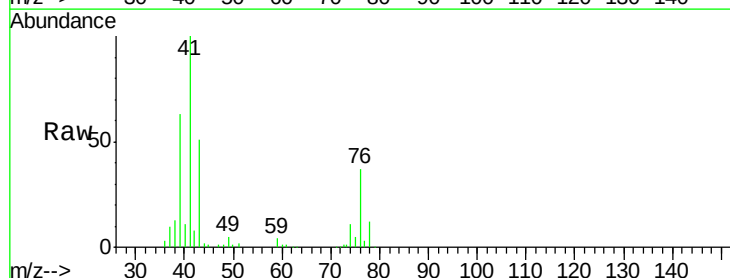
Manual Integrations
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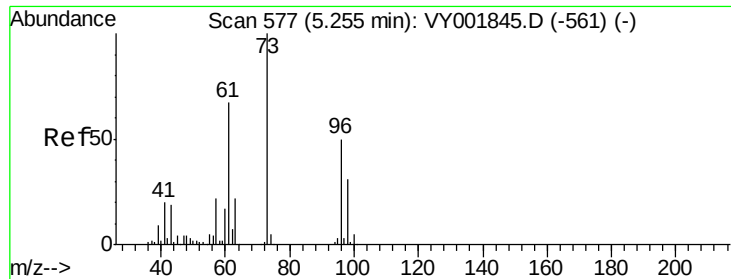
MMDadoda
3/6/2020 11:16:54 AM



#18
Methyl Acetate
Concen: 58.285 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6





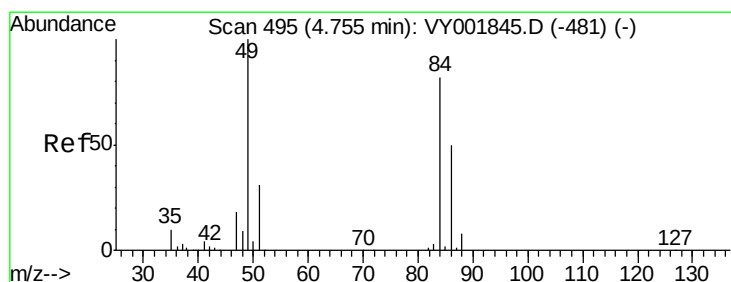
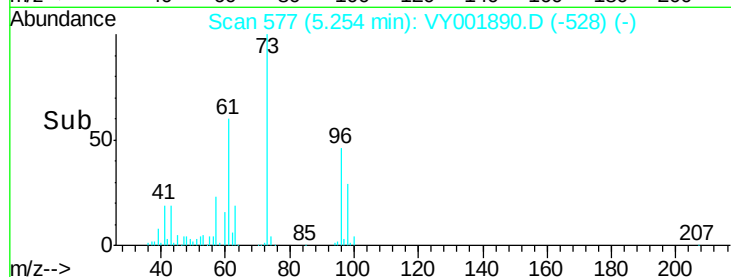
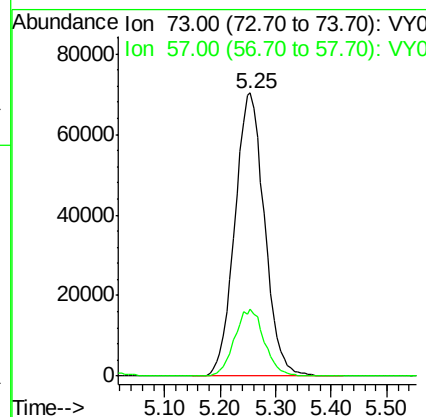
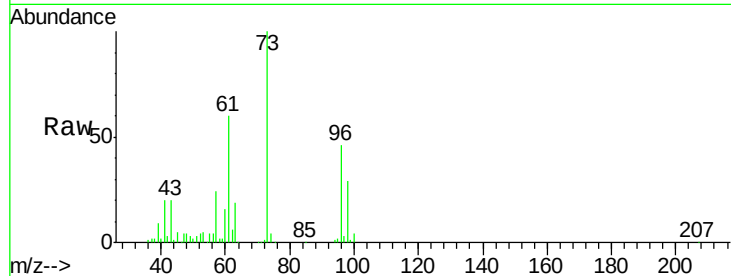
#19
Methyl tert-butyl Ether
Concen: 54.355 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 259206
Ion Ratio Lower Upper
73 100
57 23.6 17.4 26.2

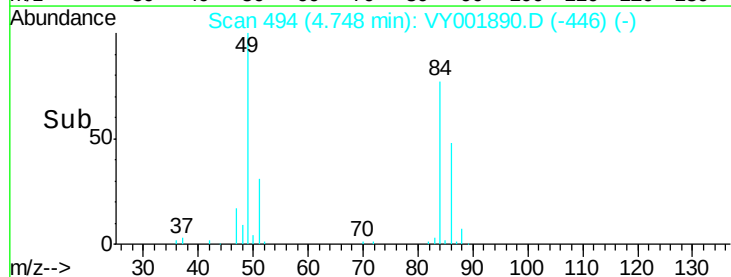
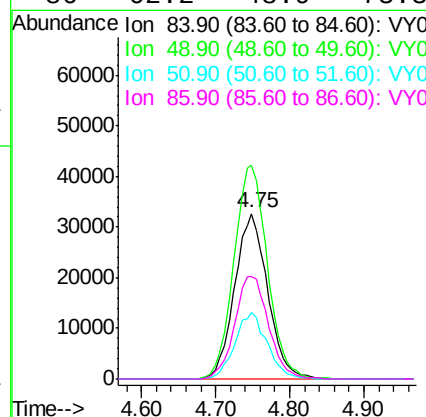
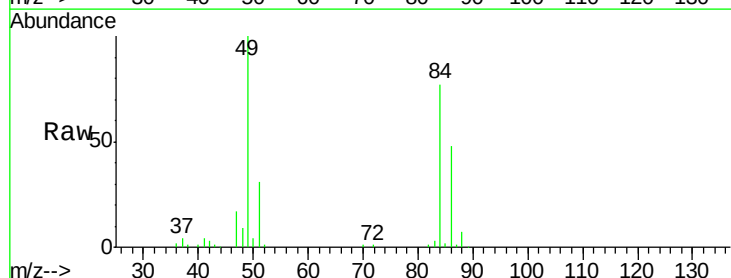
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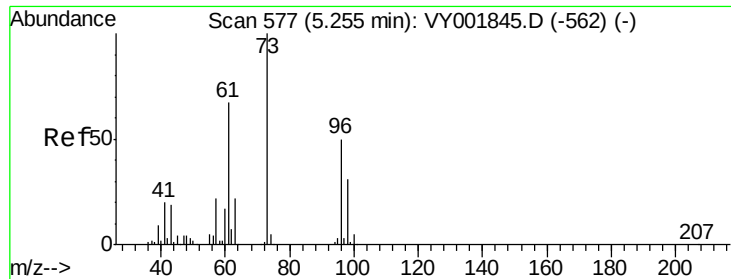
MMDadoda
3/6/2020 11:16:54 AM



#20
Methylene Chloride
Concen: 48.097 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion: 84 Resp: 101448
Ion Ratio Lower Upper
84 100
49 129.0 98.2 147.2
51 39.9 30.2 45.2
86 62.2 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 50.082 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

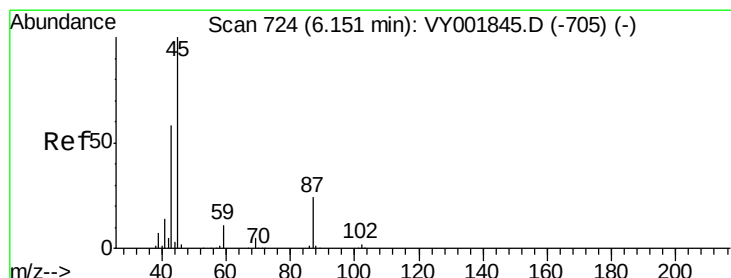
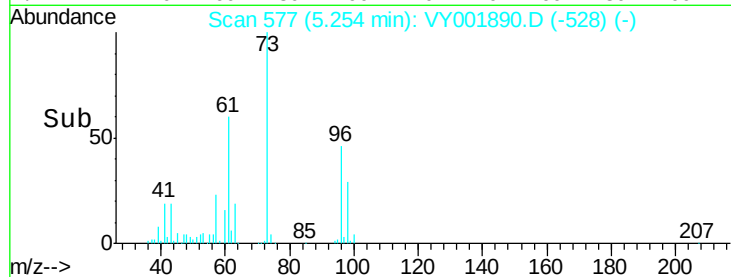
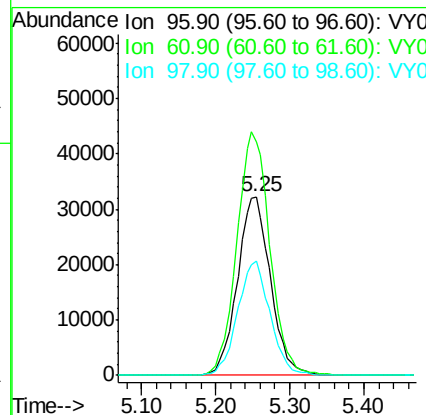
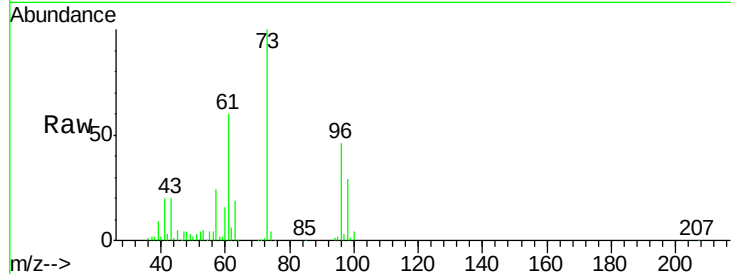
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100031
Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.7	161.5
98	63.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.298 ug/l

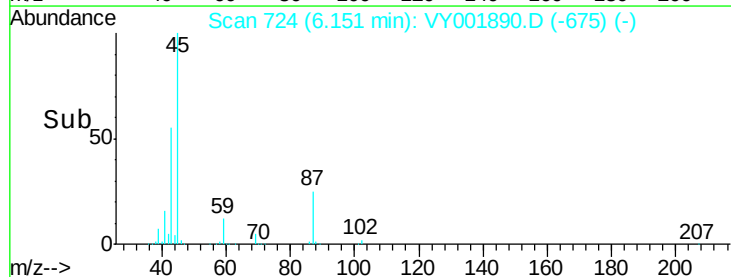
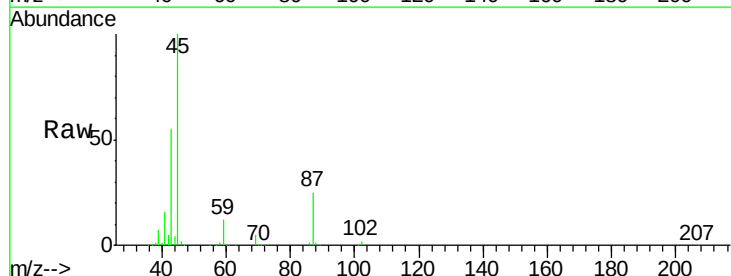
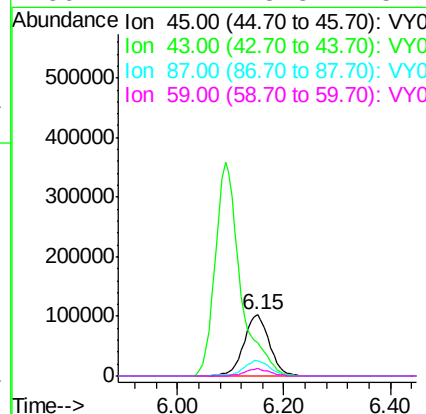
RT: 6.15 min Scan# 724

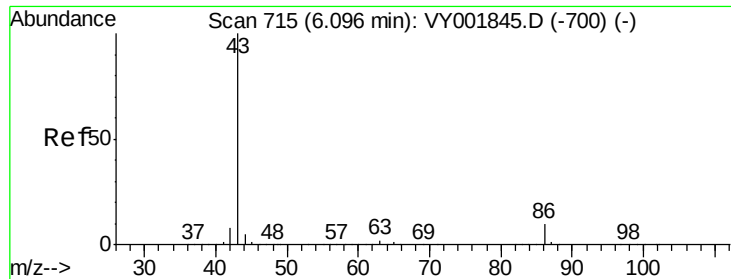
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	45	Resp:	340829
Ion	Ratio	Lower	Upper
45	100		
43	54.6	47.2	70.8
87	24.8	19.8	29.8
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 279.703 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1172574

Ion Ratio Lower Upper

43 100

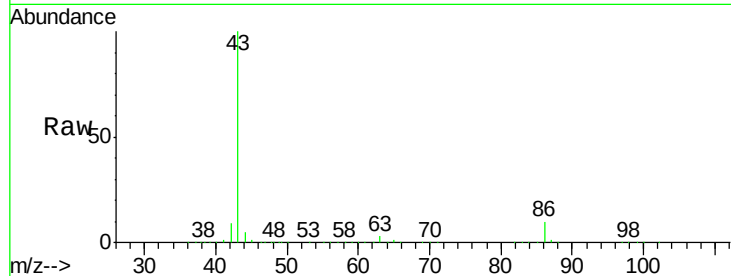
86 10.1 7.8 11.8

Manual Integrations

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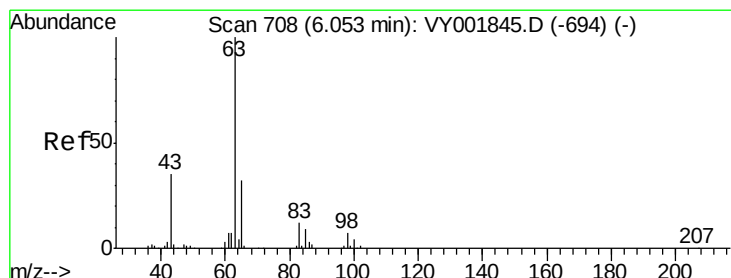
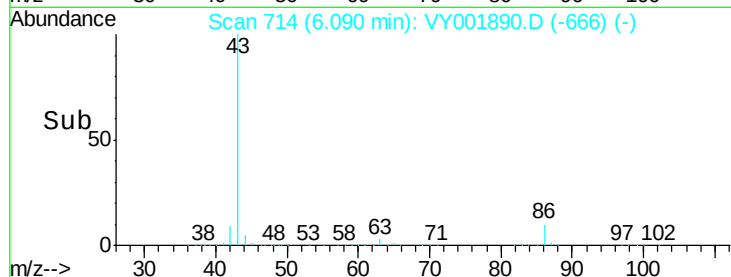
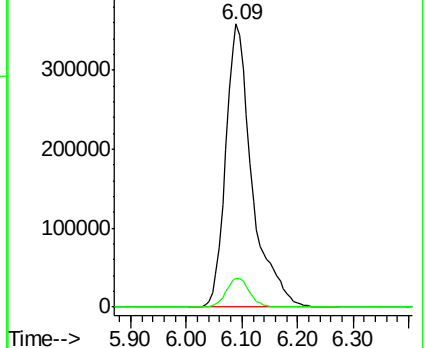
MMDadoda

3/6/2020 11:16:54 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: 51.056 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

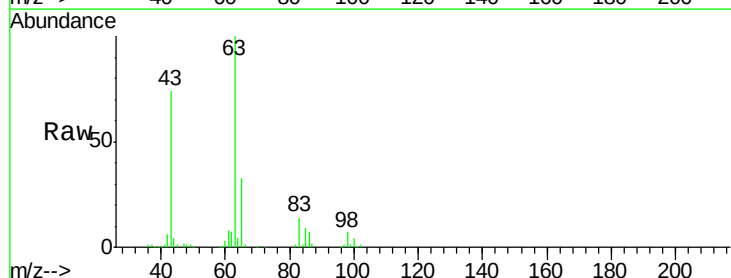
Tgt Ion: 63 Resp: 176804

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

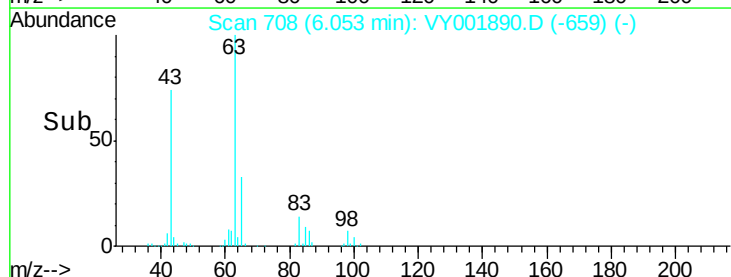
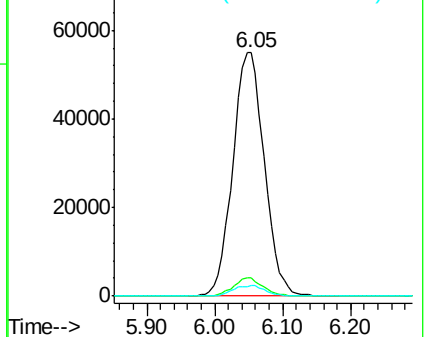
100 4.2 2.0 6.0

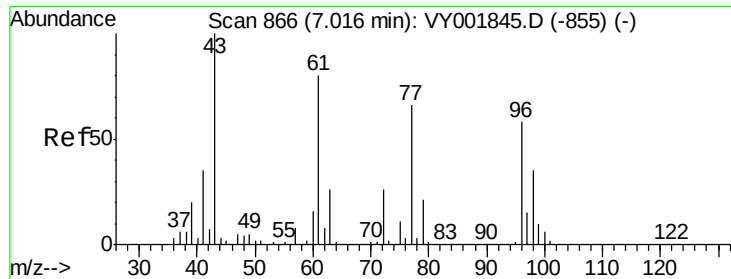


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





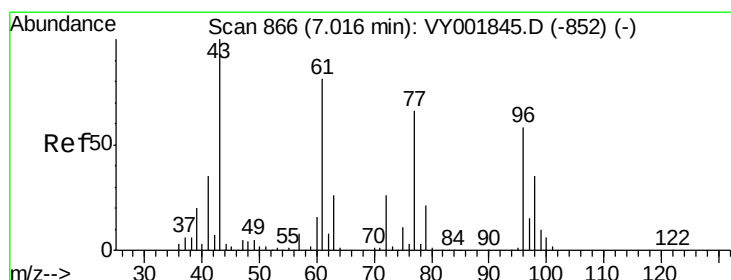
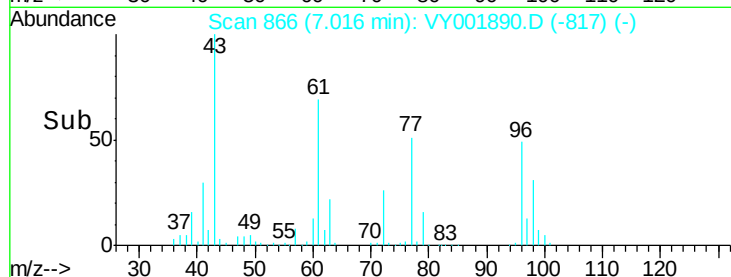
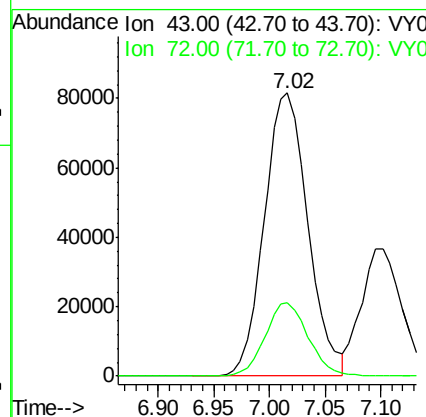
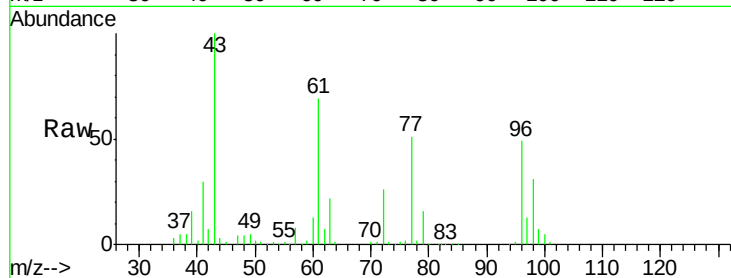
#25
2-Butanone
Concen: 297.467 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 222627
Ion Ratio Lower Upper
43 100
72 25.8 20.9 31.3

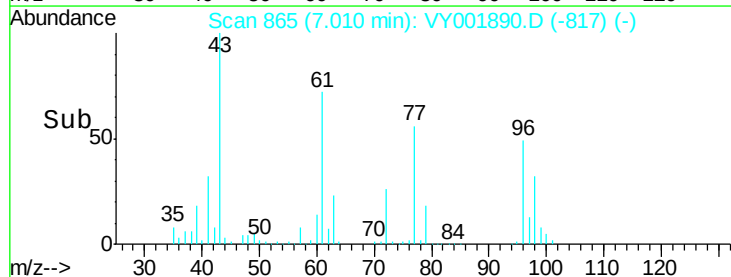
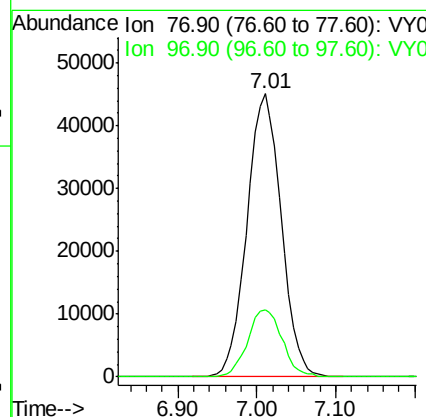
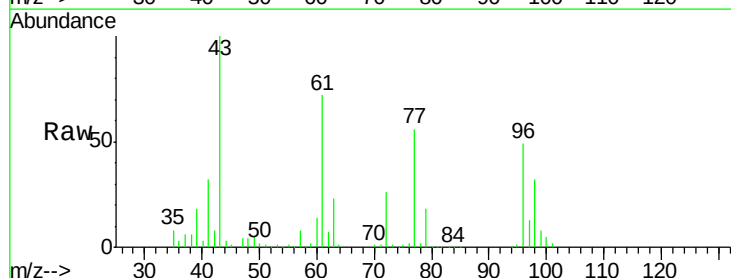
Manual Integrations
APPROVED

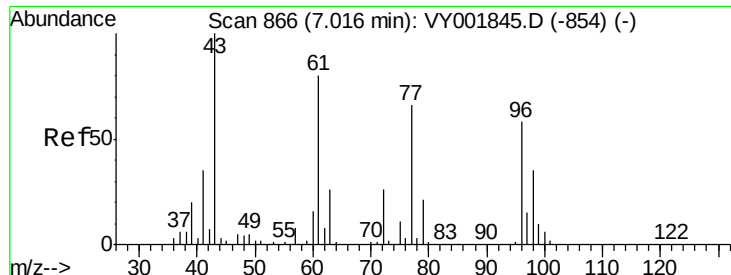
MMDadoda
3/6/2020 11:16:54 AM



#26
2,2-Dichloropropane
Concen: 47.989 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion: 77 Resp: 136399
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.7





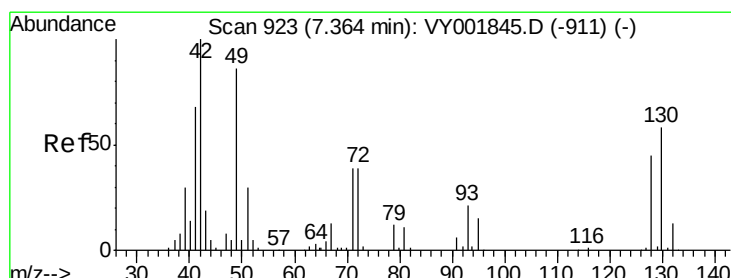
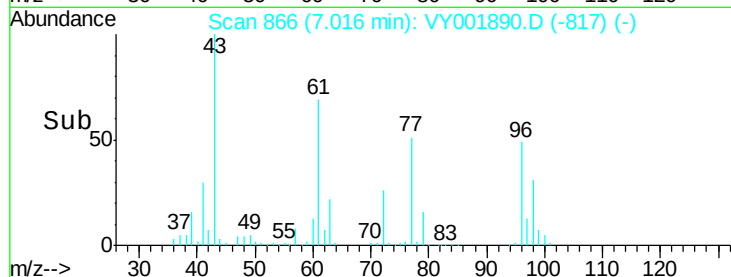
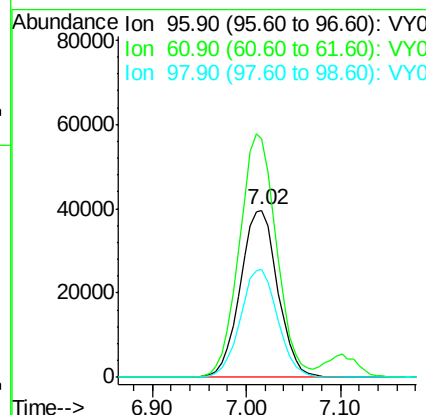
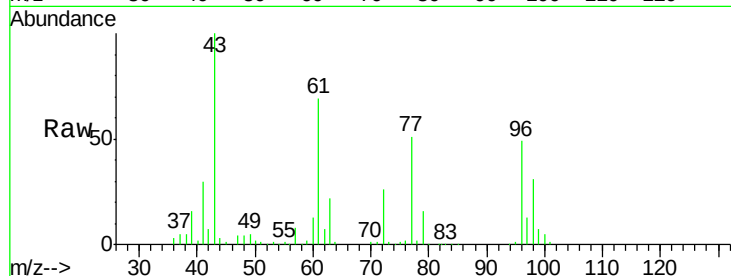
#27
 cis-1,2-Dichloroethene
 Concen: 50.718 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	288.2
98	64.4	0.0	129.0

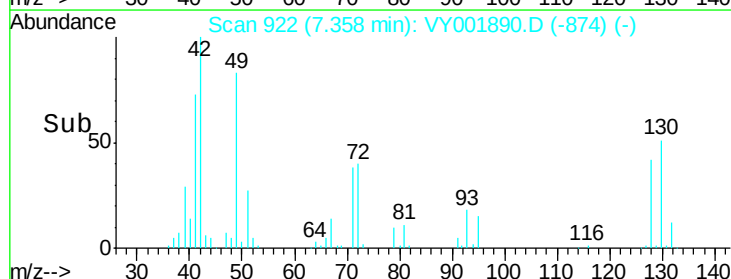
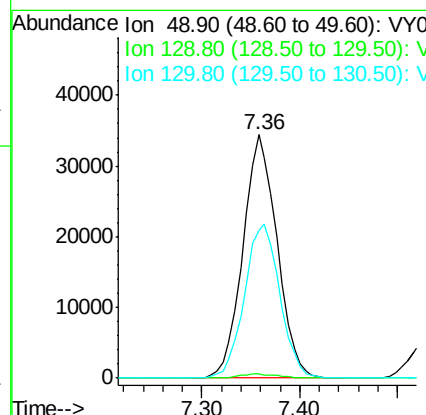
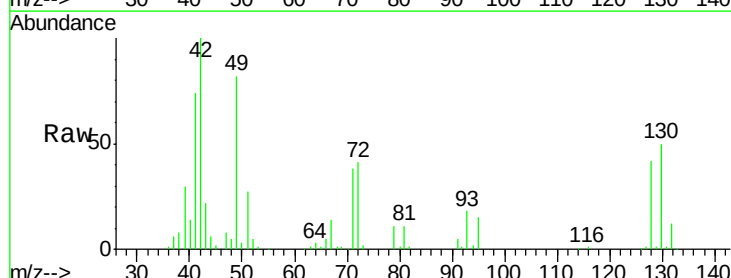
Manual Integrations
 APPROVED

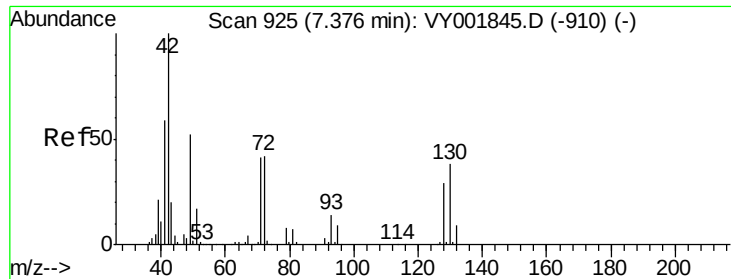
MMDadoda
 3/6/2020 11:16:54 AM



#28
 Bromochloromethane
 Concen: 53.212 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	65.6	54.4	81.6





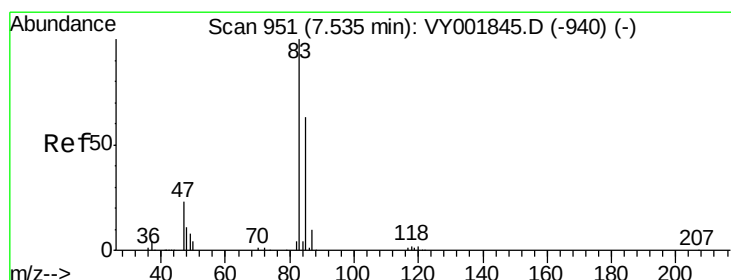
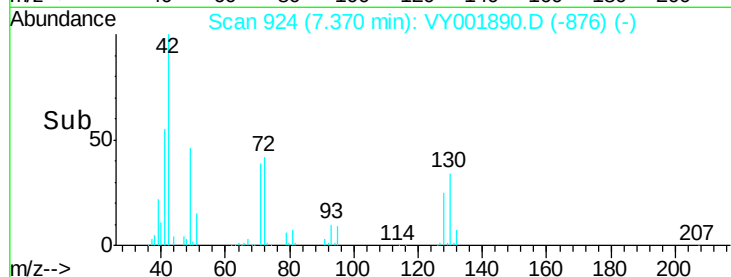
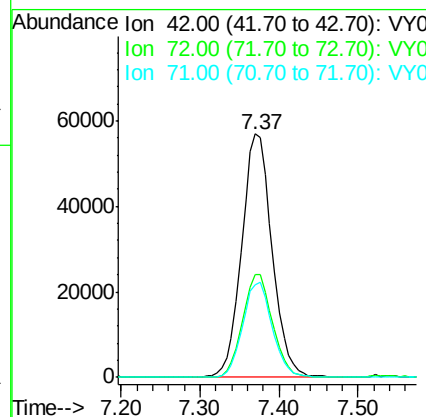
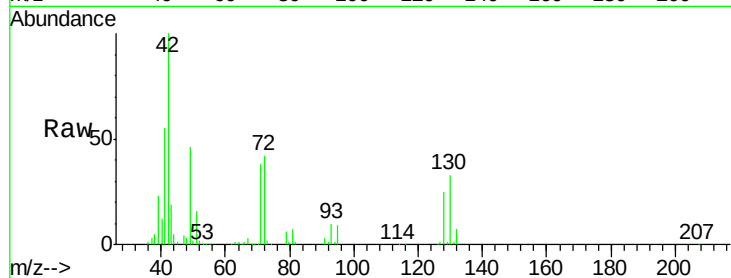
#29
Tetrahydrofuran
Concen: 307.317 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.5	50.3
71	38.0	31.3	46.9

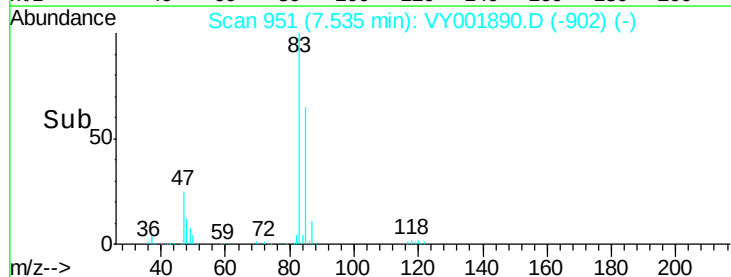
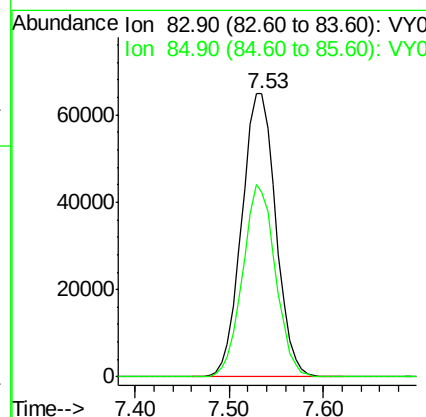
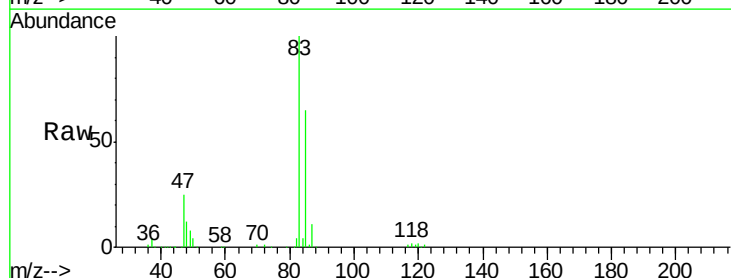
Manual Integrations
APPROVED

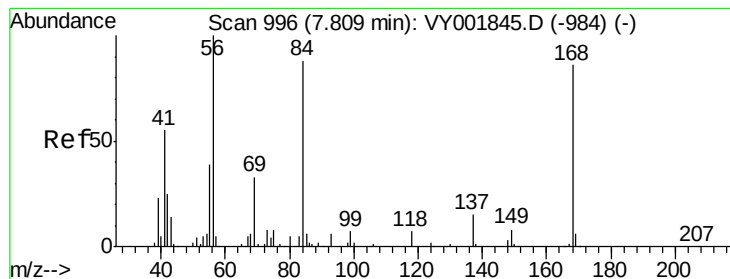
MMDadoda
3/6/2020 11:16:54 AM



#30
Chloroform
Concen: 50.476 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.7	76.1





#31

Cyclohexane

Concen: 47.407 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 176023

Ion Ratio Lower Upper

56 100

69 32.2 26.7 40.1

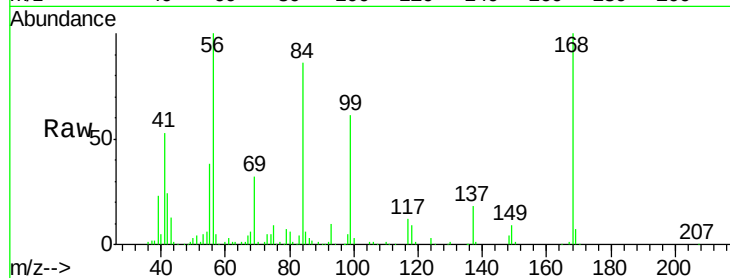
84 84.8 70.4 105.6

Manual Integrations

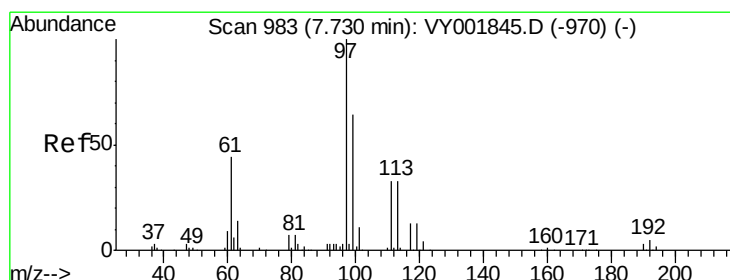
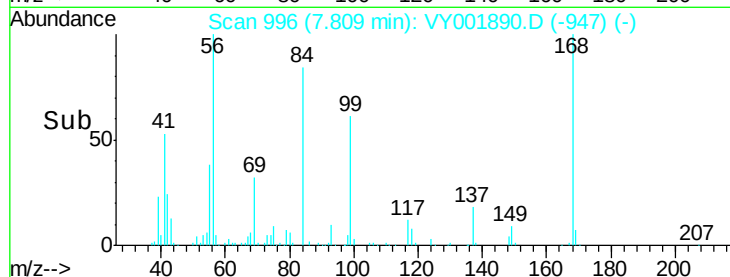
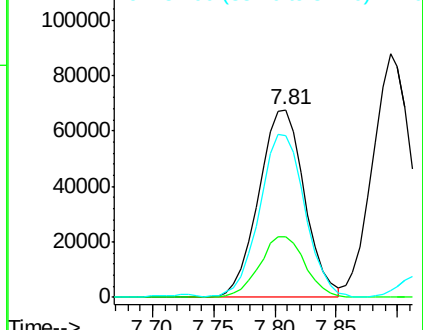
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.361 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

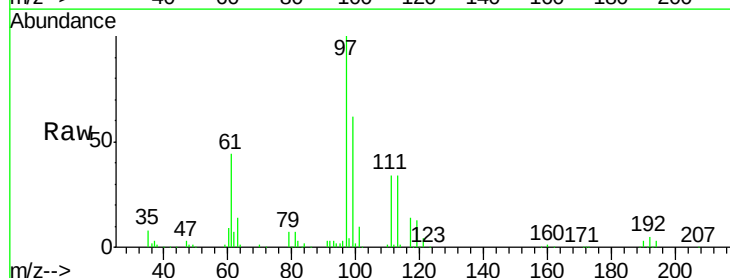
Tgt Ion: 97 Resp: 138102

Ion Ratio Lower Upper

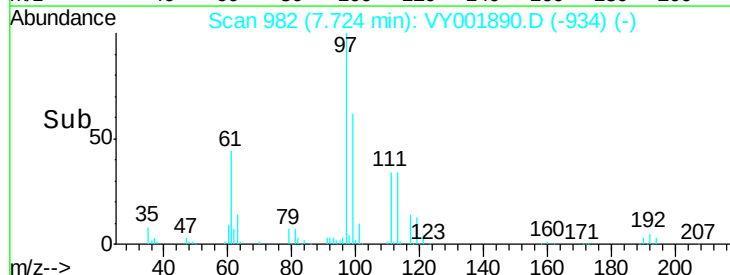
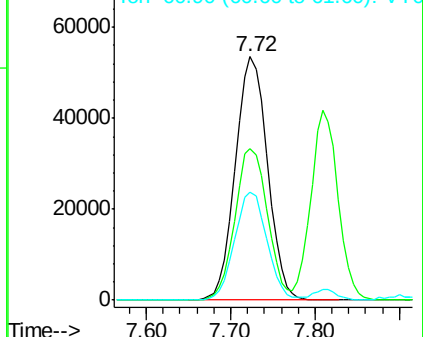
97 100

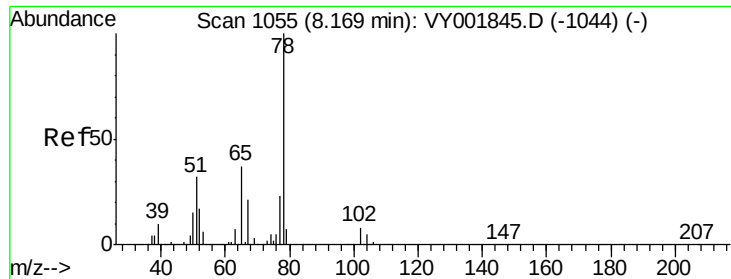
99 63.3 52.0 78.0

61 44.6 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





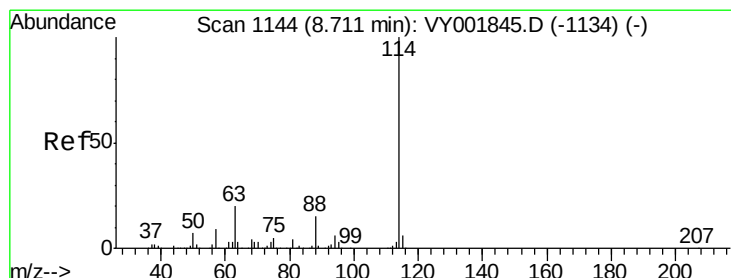
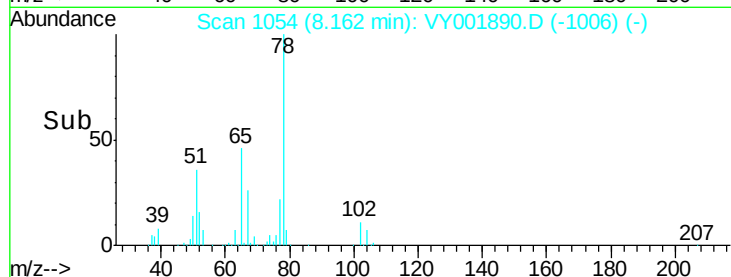
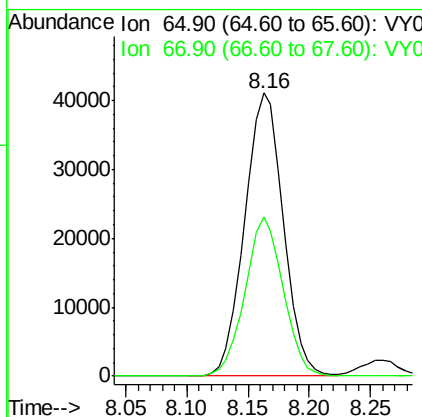
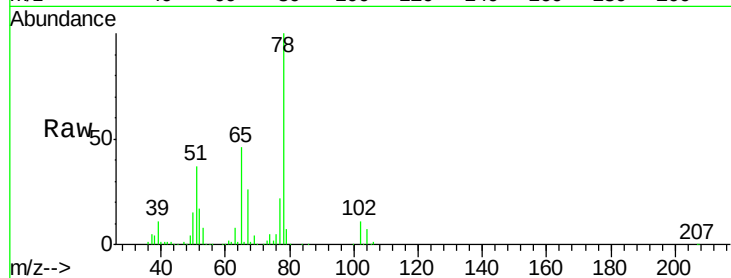
#33
 1,2-Dichloroethane-d4
 Concen: 53.498 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	110.8

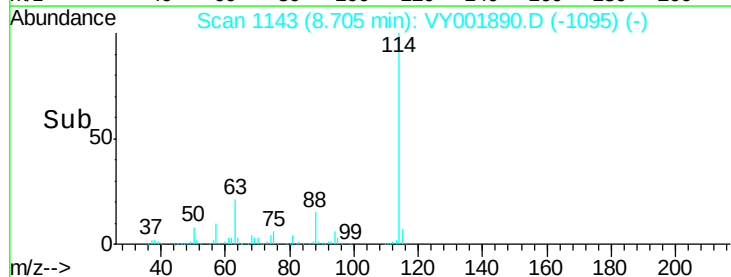
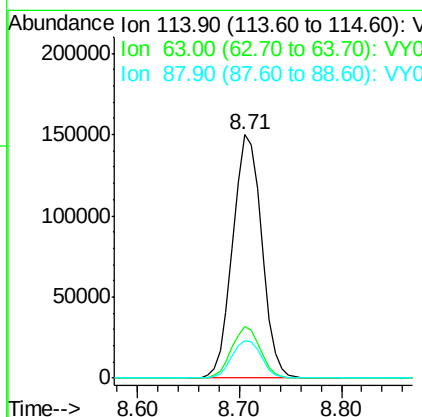
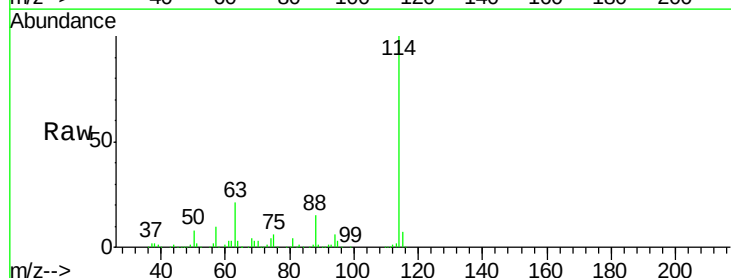
Manual Integrations
 APPROVED

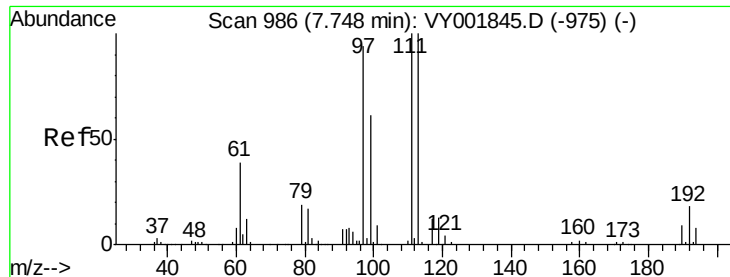
MMDadoda
 3/6/2020 11:16:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.4
88	15.4	0.0	30.4





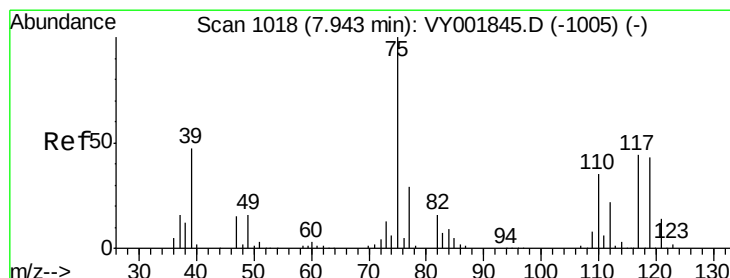
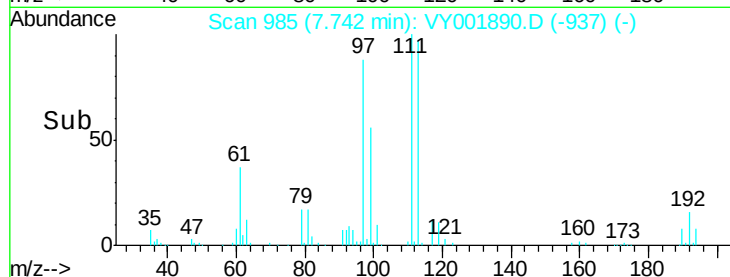
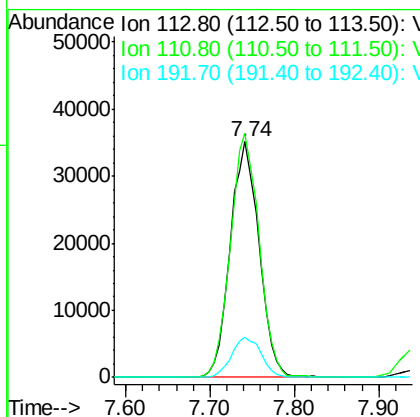
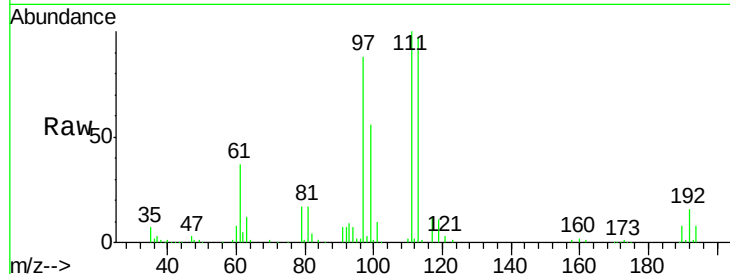
#35
 Dibromofluoromethane
 Concen: 50.605 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	17.5	14.2	21.2

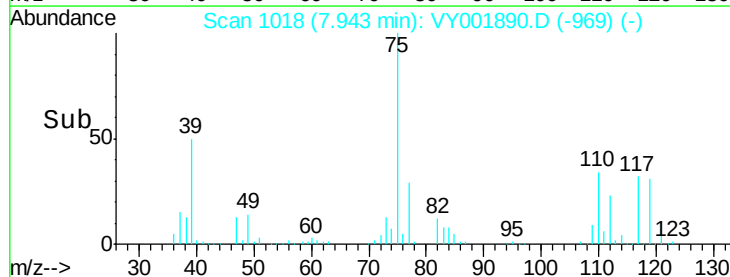
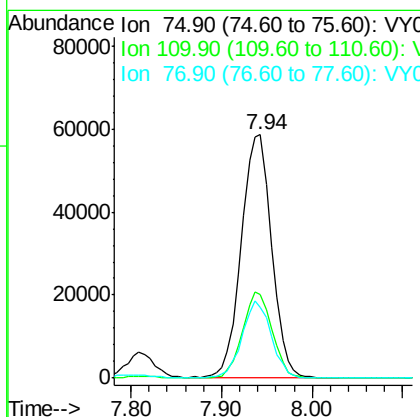
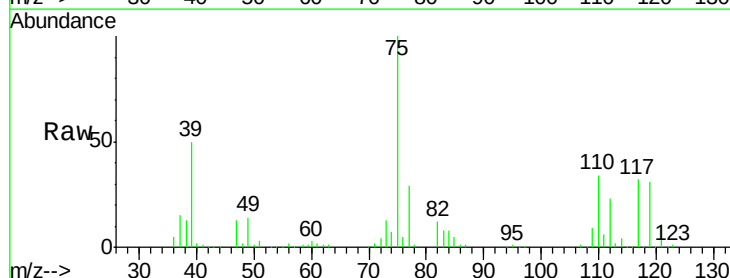
Manual Integrations
 APPROVED

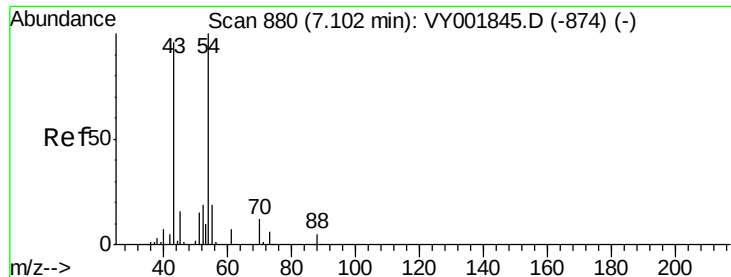
MMDadoda
 3/6/2020 11:16:54 AM



#36
 1,1-Dichloropropene
 Concen: 48.064 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.4	52.2
77	30.5	24.2	36.2





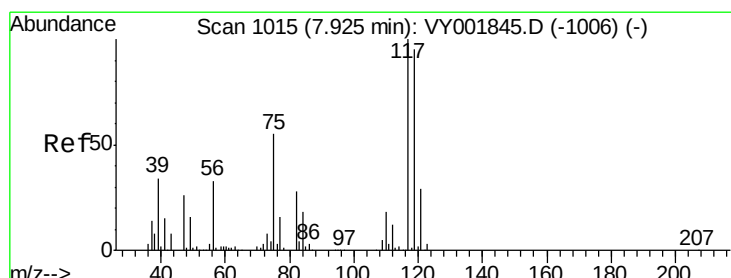
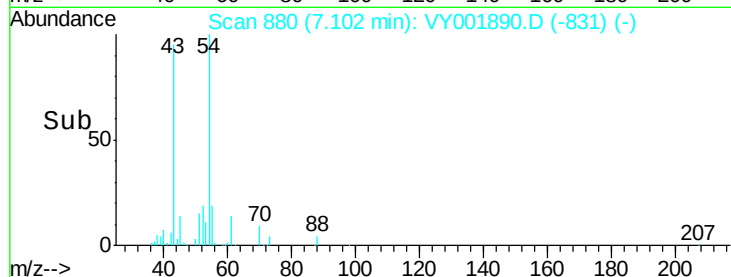
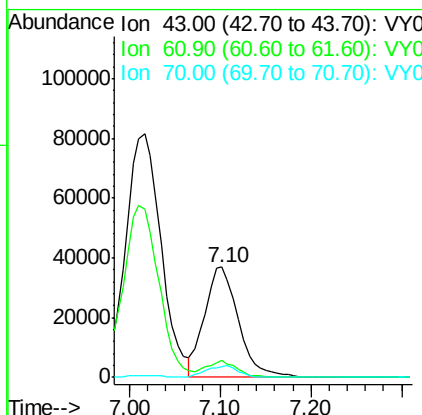
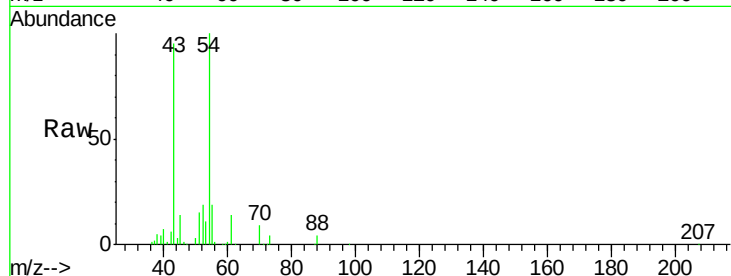
#37
Ethyl Acetate
Concen: 58.402 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.0	8.2	12.4

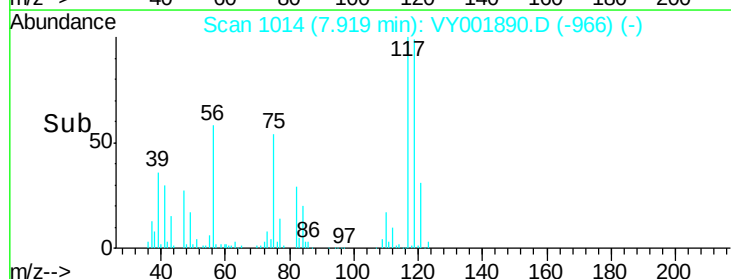
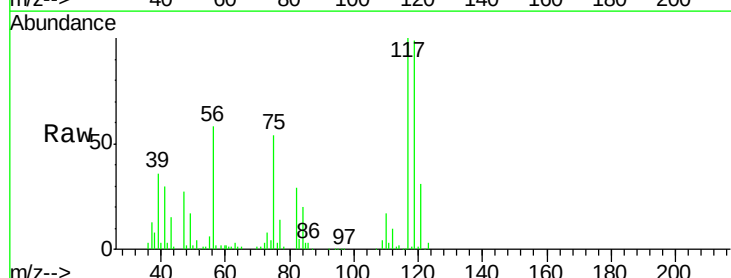
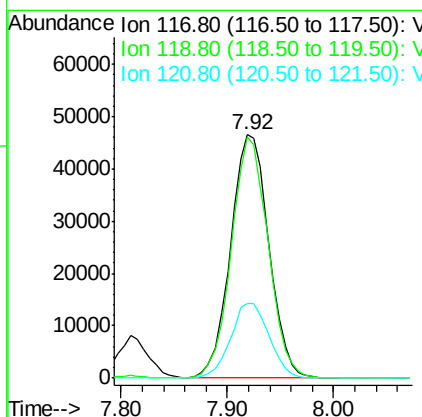
Manual Integrations
APPROVED

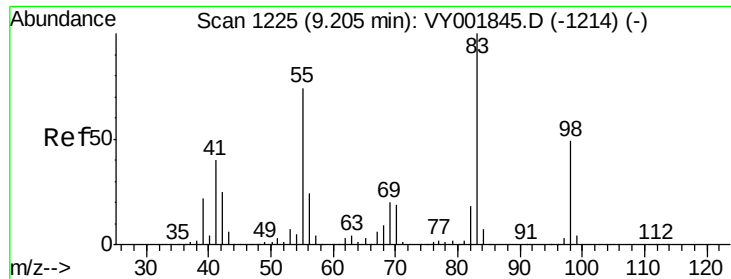
MMDadoda
3/6/2020 11:16:54 AM



#38
Carbon Tetrachloride
Concen: 48.311 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.3	114.5
121	30.7	23.5	35.3





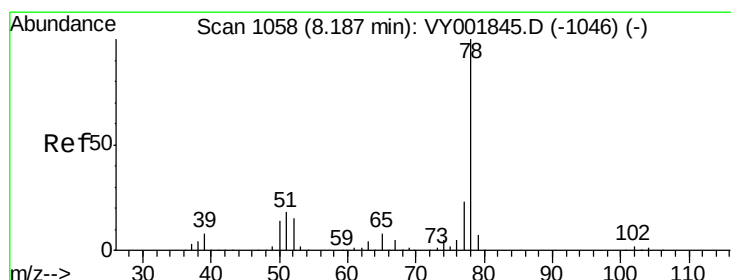
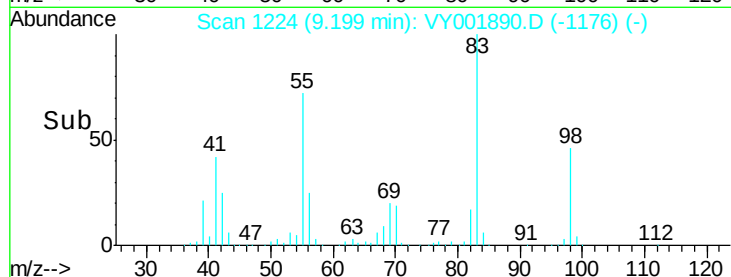
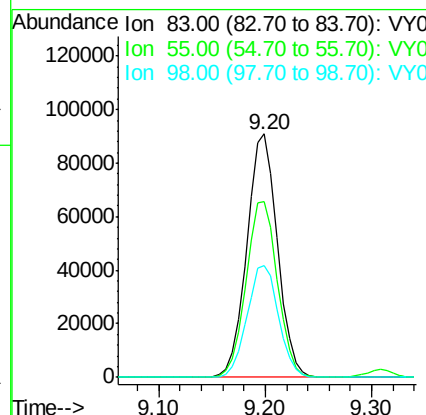
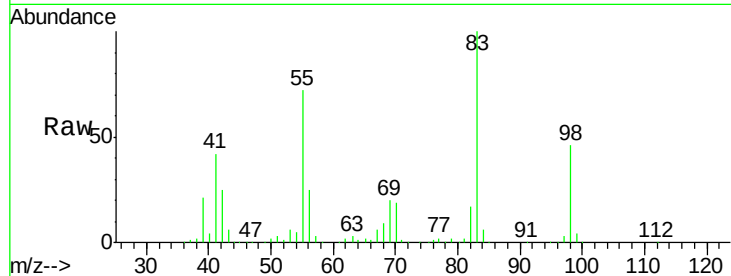
#39
Methylvlcyclohexane
Concen: 48.690 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	183116
Ion Ratio	Lower	Upper	
83	100		
55	72.4	59.4	89.0
98	46.1	38.9	58.3

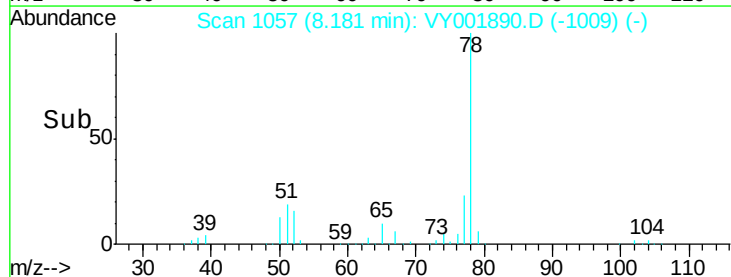
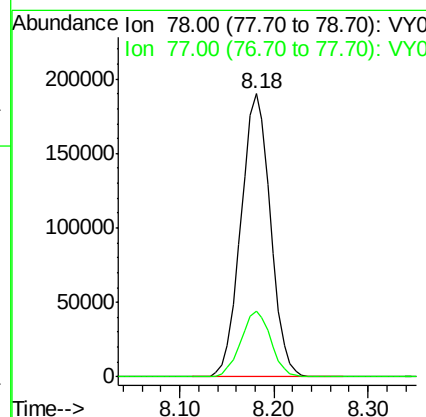
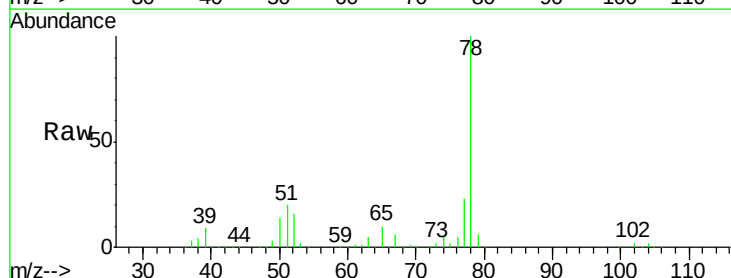
Manual Integrations
APPROVED

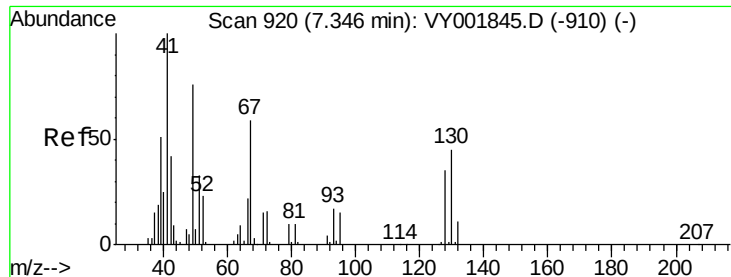
MMDadoda
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#40
Benzene
Concen: 49.433 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	78	Resp	415465
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.7	28.1





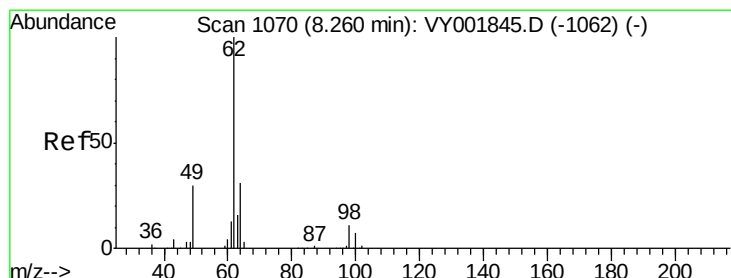
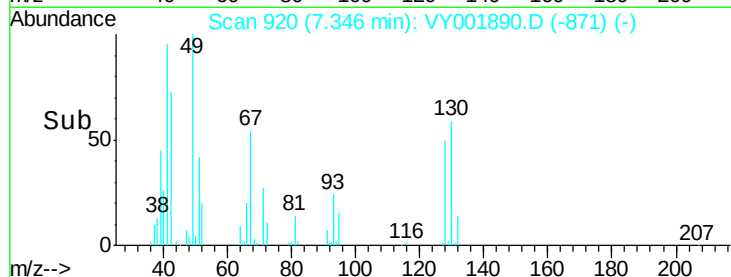
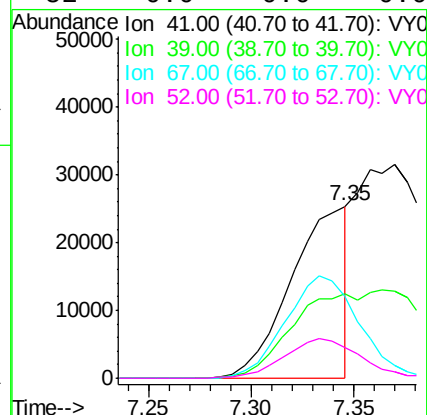
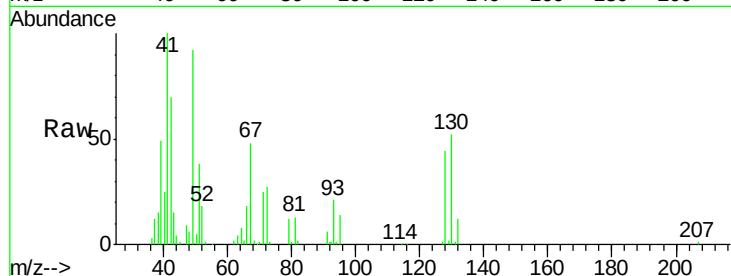
#41
Methacrylonitrile
Concen: 66.063 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	118.5	111.7	167.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

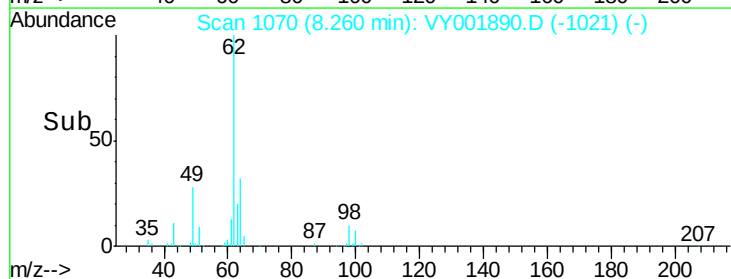
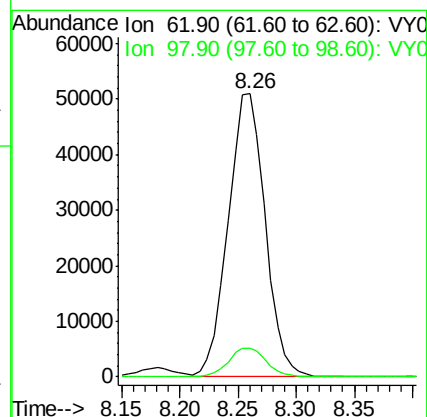
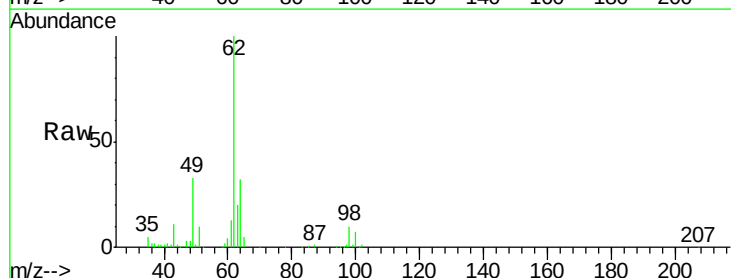
Manual Integrations
APPROVED

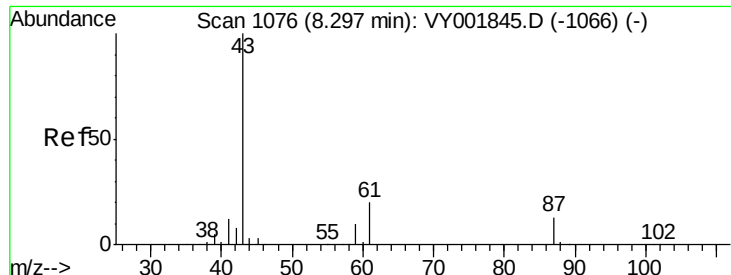
MMDadoda
3/6/2020 11:16:54 AM



#42
1,2-Dichloroethane
Concen: 52.015 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





#43

Isopropyl Acetate

Concen: 56.572 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

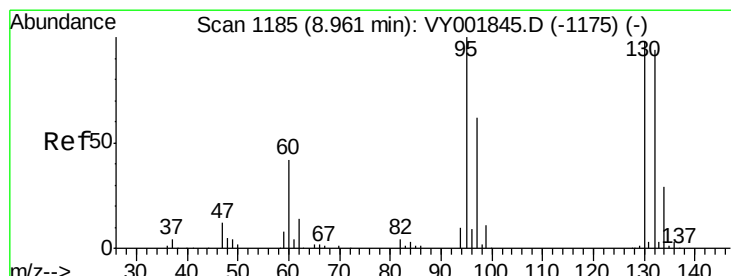
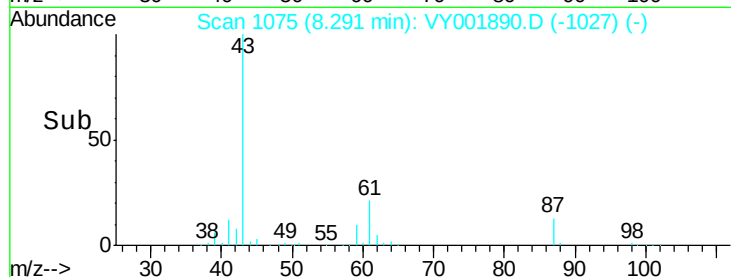
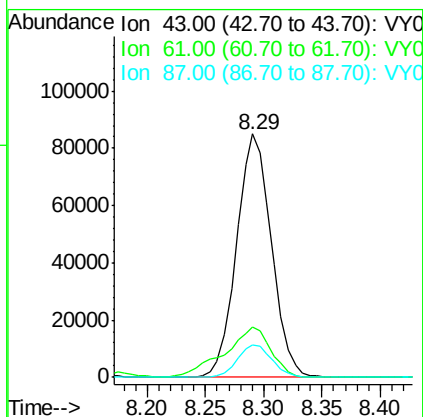
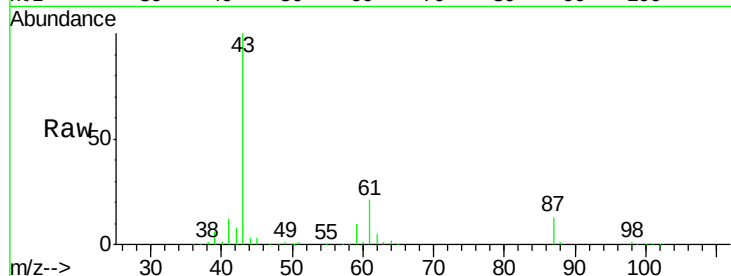
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	176514
Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.8	35.6
87	13.3	10.9	16.3

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#44

Trichloroethene

Concen: 48.450 ug/l

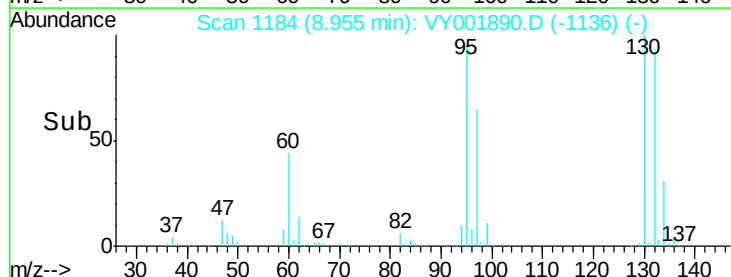
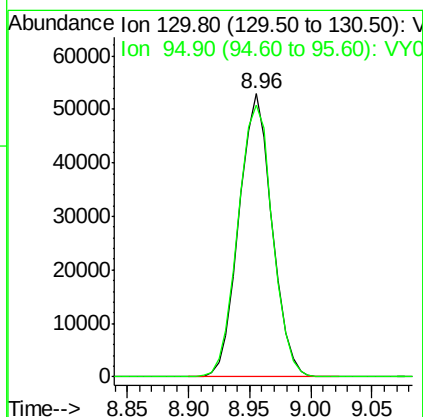
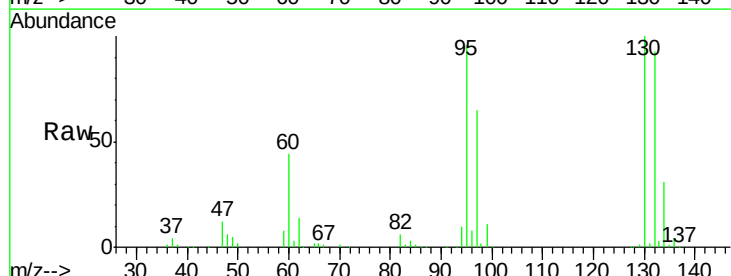
RT: 8.96 min Scan# 1184

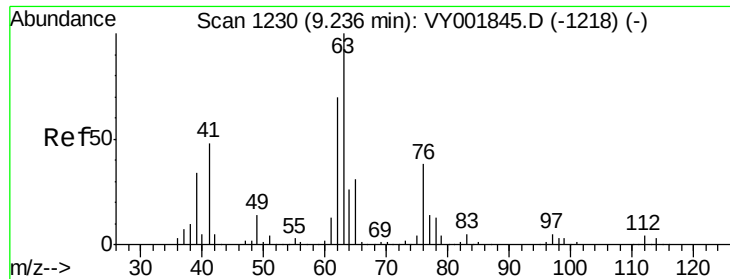
Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	130	Resp:	99172
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	204.6





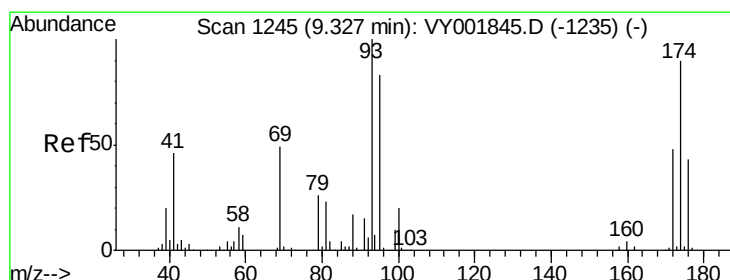
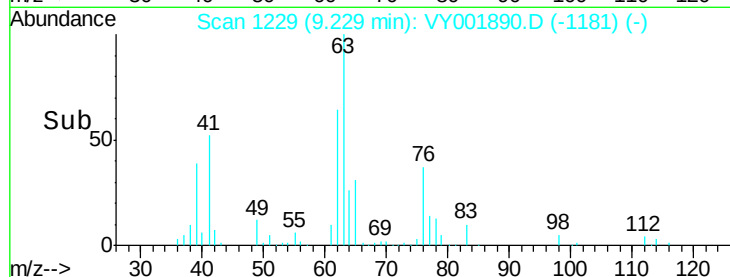
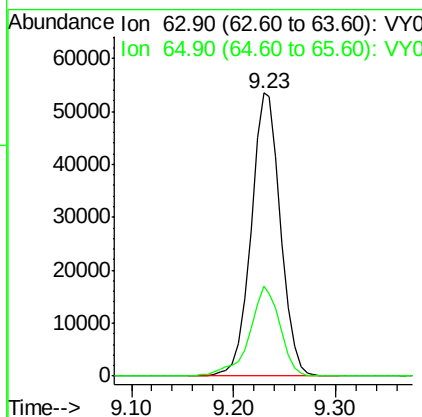
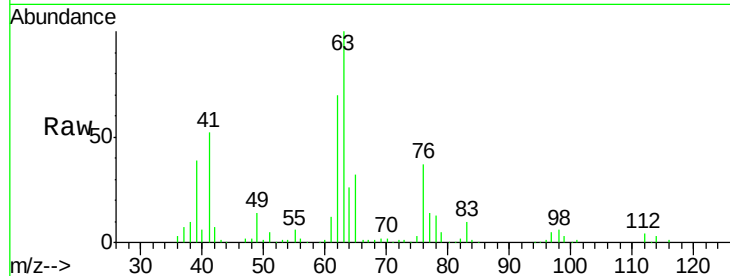
#45
 1,2-Dichloropropane
 Concen: 50.635 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 106980
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.9 37.3

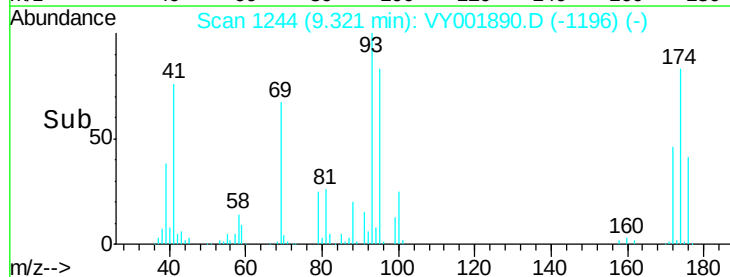
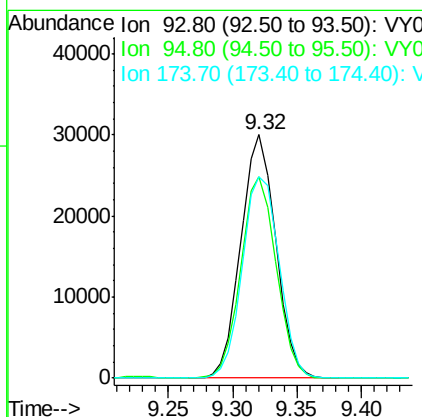
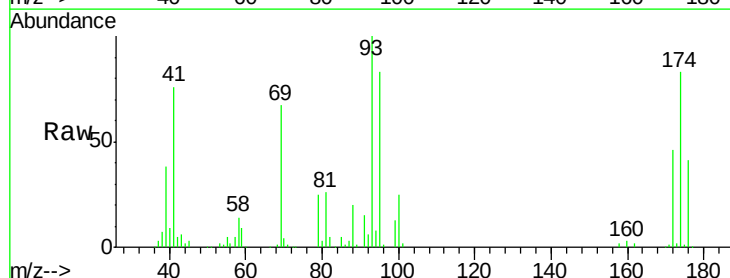
Manual Integrations
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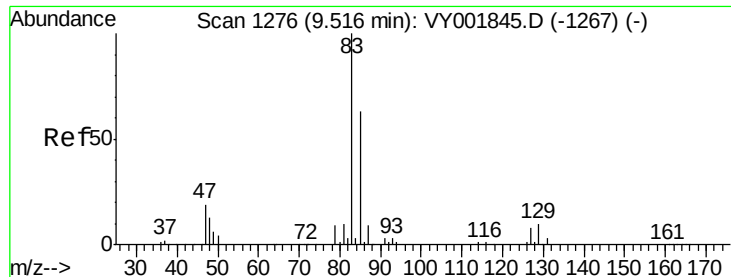
MMDadoda
 3/6/2020 11:16:54 AM



#46
 Dibromomethane
 Concen: 51.846 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion: 93 Resp: 56448
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 87.2 71.8 107.8





#47

Bromodichloromethane

Concen: 50.774 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

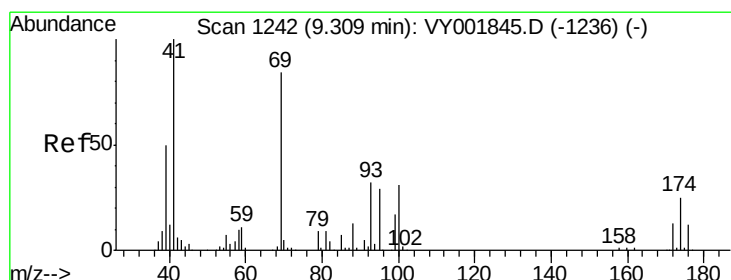
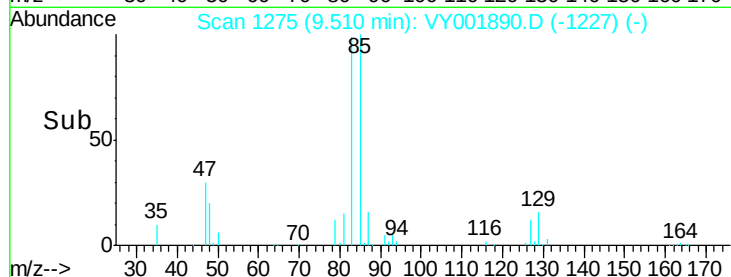
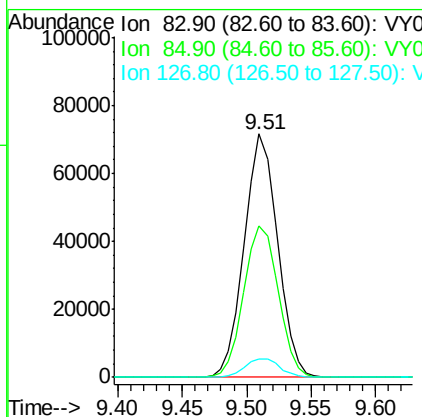
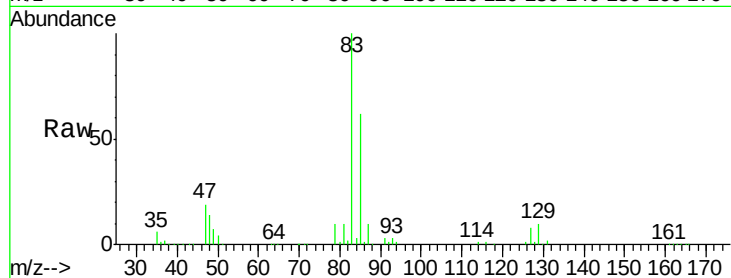
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128594
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.6	76.0
127	7.6	6.2	9.4

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 56.876 ug/l

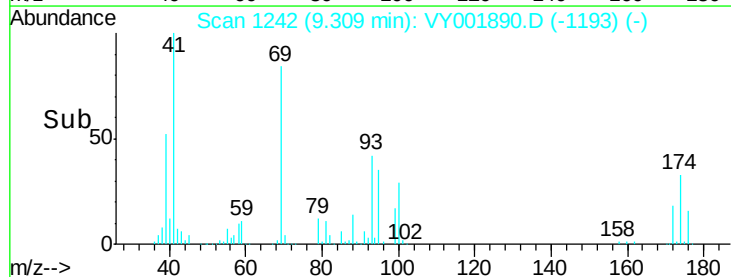
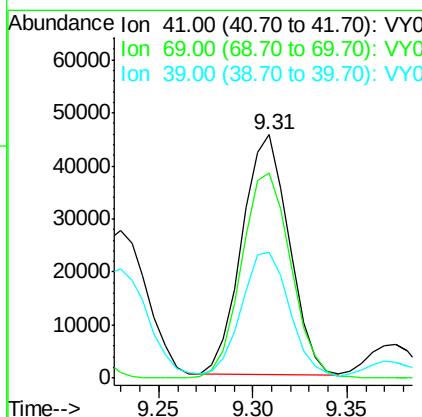
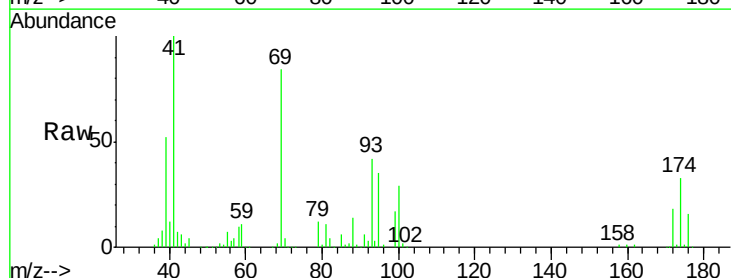
RT: 9.31 min Scan# 1242

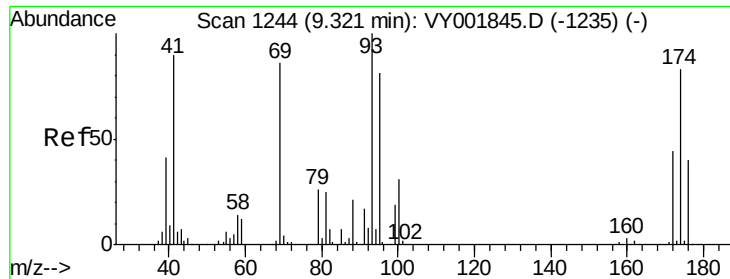
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	41	Resp:	78745
Ion Ratio	Lower	Upper	
41	100		
69	89.5	69.0	103.6
39	54.5	39.1	58.7





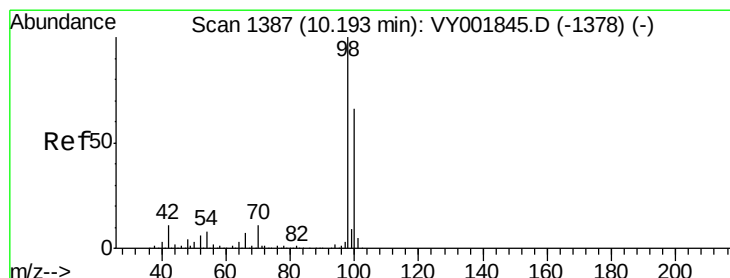
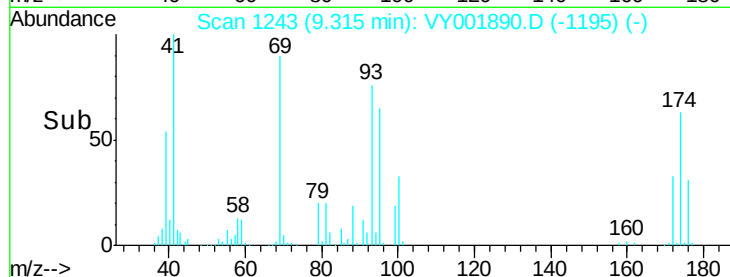
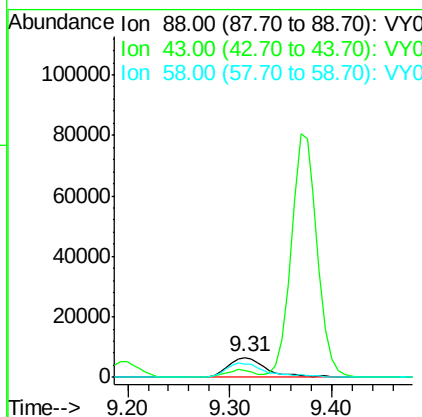
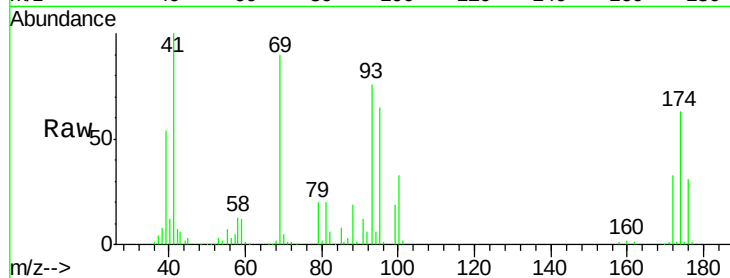
#49
 1,4-Dioxane
 Concen: 1158.279 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	17280
Ion Ratio	100	Lower	Upper
88	100		
43	28.5	25.0	37.6
58	80.2	58.9	88.3

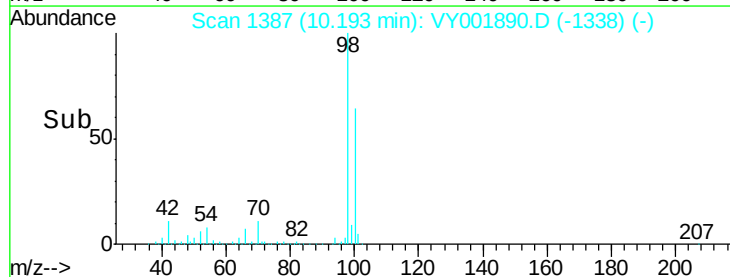
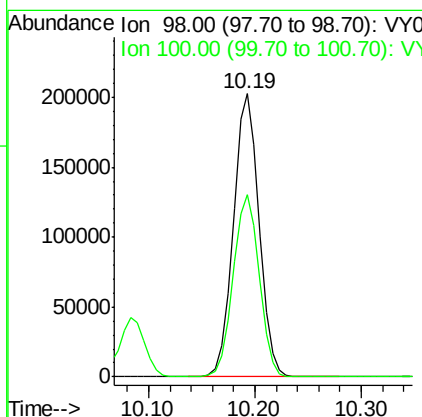
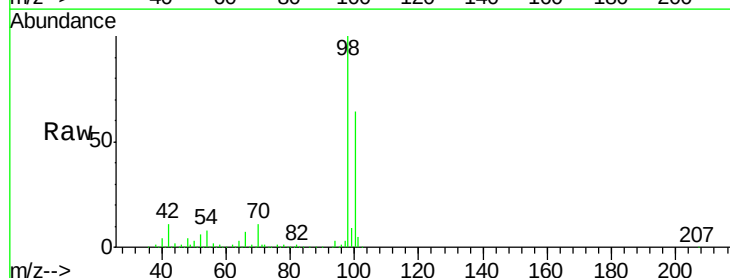
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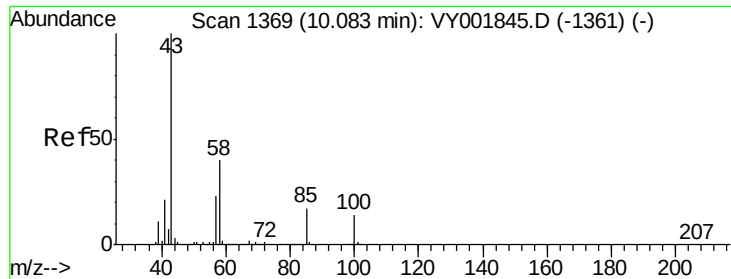
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 3/6/2020 11:16:54 AM



#50
 Toluene-d8
 Concen: 50.287 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	98	Resp	341193
Ion Ratio	100	Lower	Upper
98	100		
100	65.6	53.0	79.4





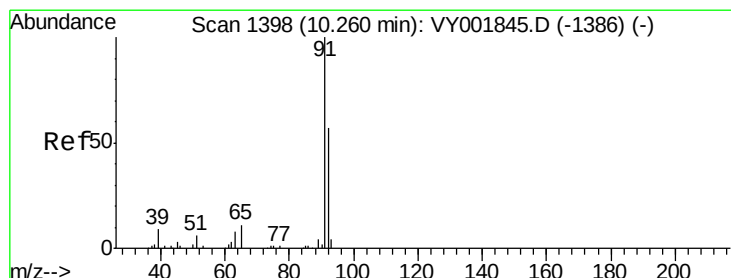
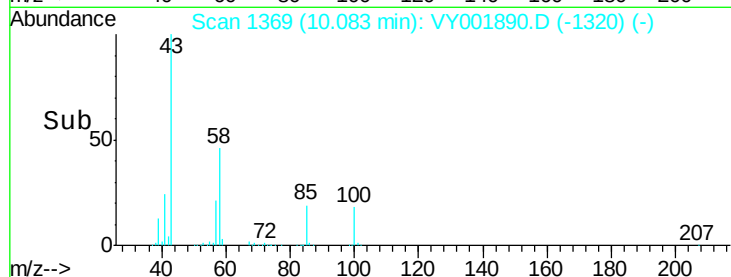
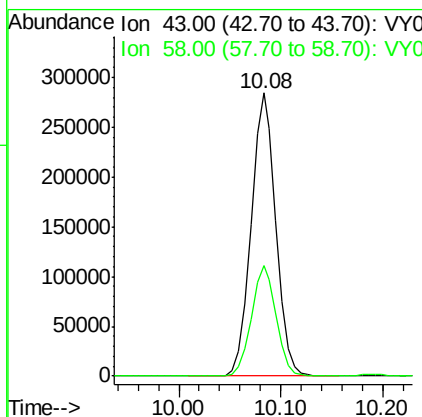
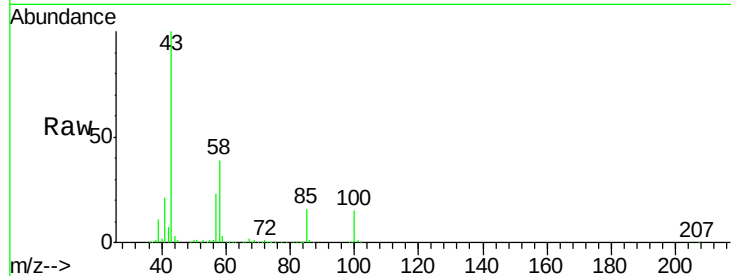
#51
4-Methyl-2-Pentanone
Concen: 297.410 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	477972
Ion Ratio	100	Lower	Upper
43	100		
58	39.0	32.0	48.0

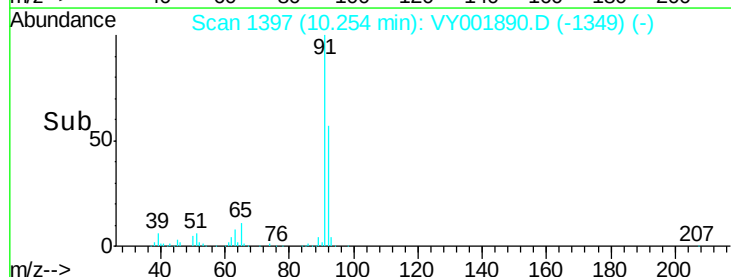
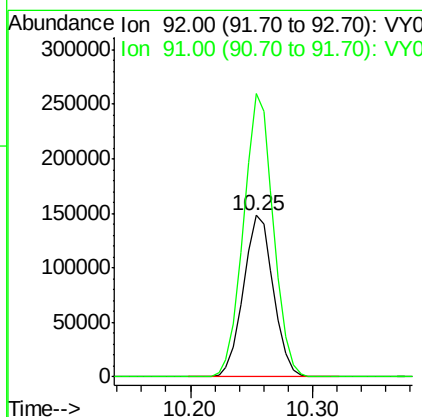
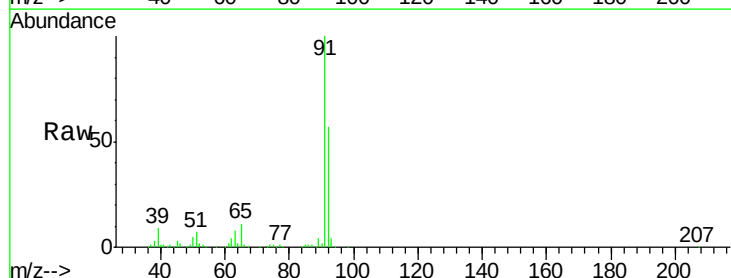
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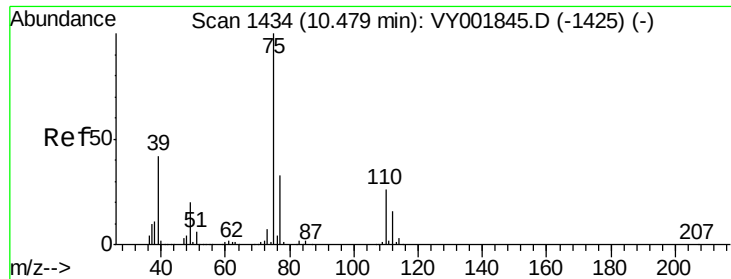
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#52
Toluene
Concen: 49.440 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	92	Resp	252424
Ion Ratio	100	Lower	Upper
92	100		
91	173.2	138.6	208.0





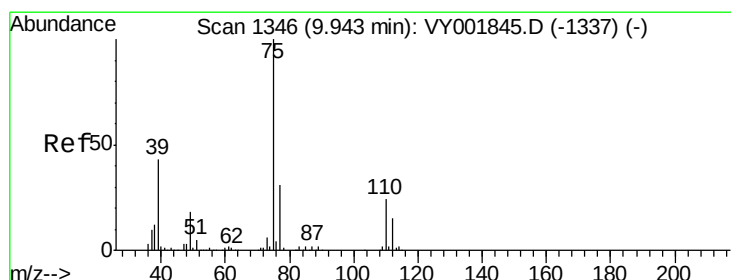
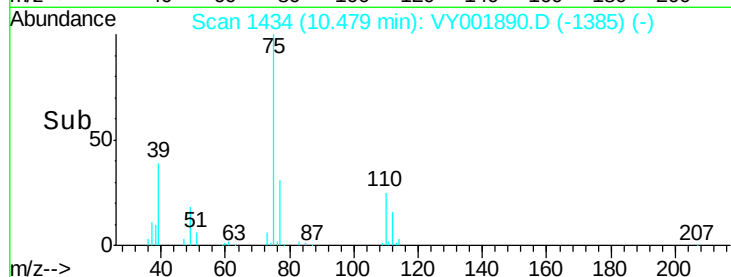
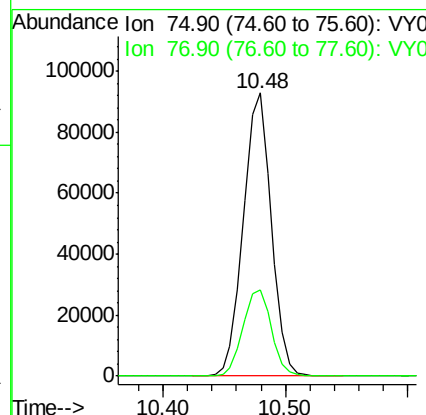
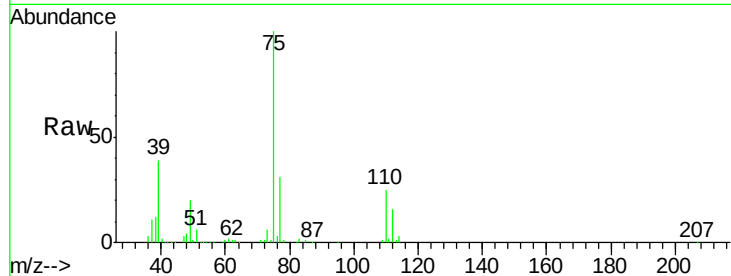
#53
t-1,3-Dichloropropene
Concen: 53.188 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.3	39.5

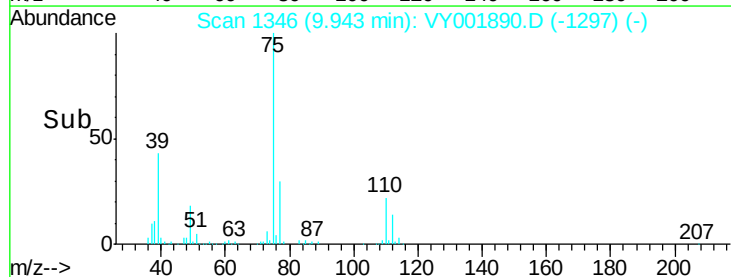
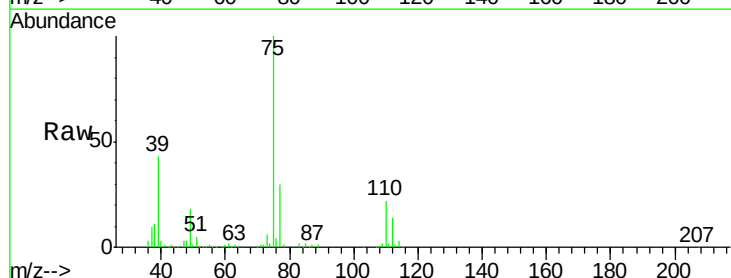
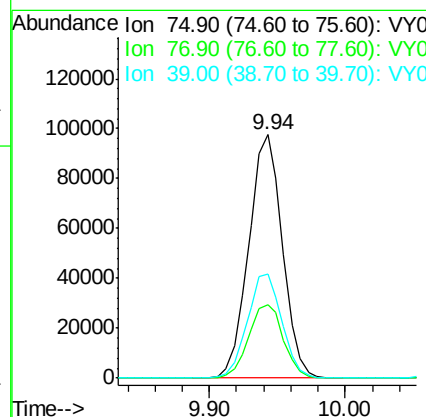
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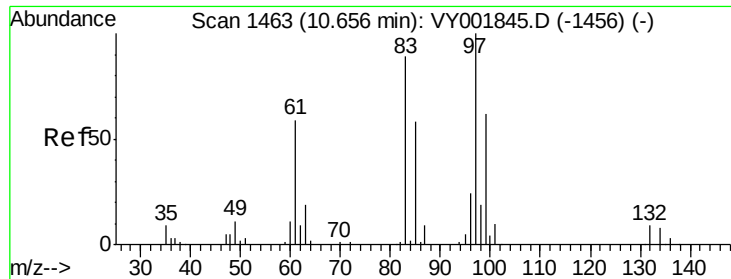
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#54
cis-1,3-Dichloropropene
Concen: 51.358 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	43.0	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 53.162 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 84708

Ion Ratio Lower Upper

97 100

83 86.8 71.6 107.4

85 54.4 46.6 69.8

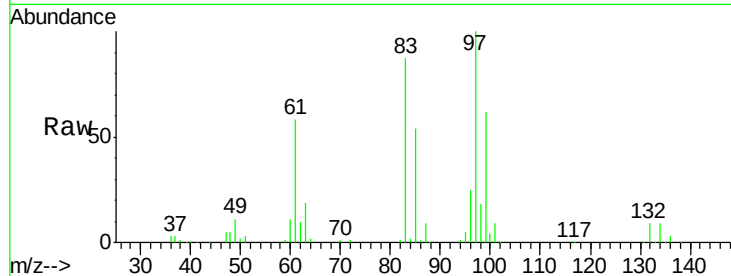
99 62.4 49.8 74.6

Manual Integrations

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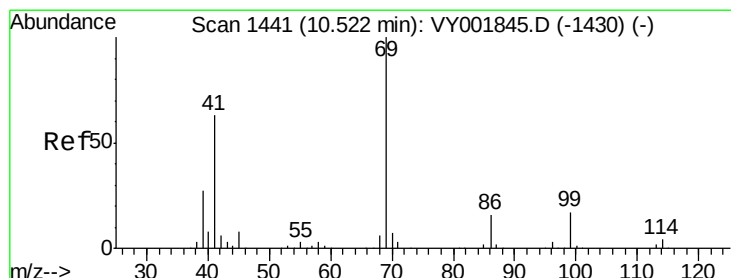
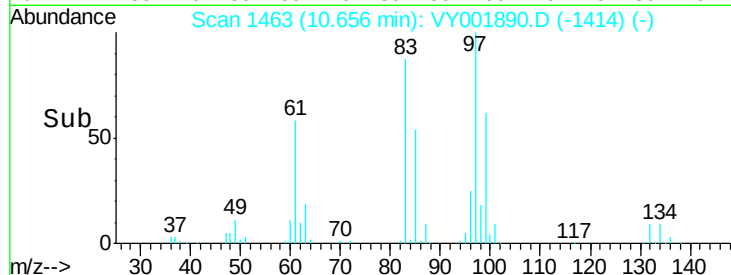
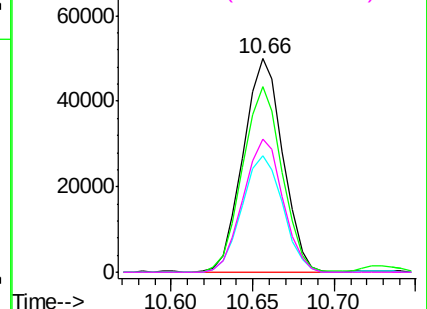


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 56.132 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

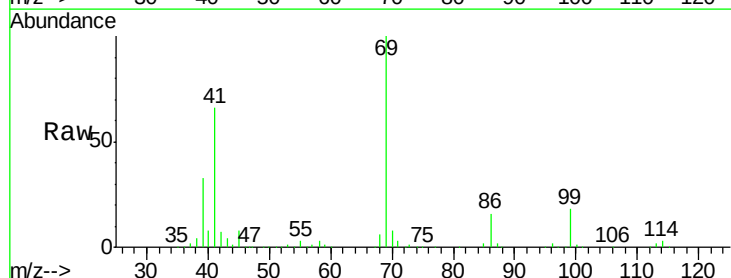
Tgt Ion: 69 Resp: 131098

Ion Ratio Lower Upper

69 100

41 64.5 49.9 74.9

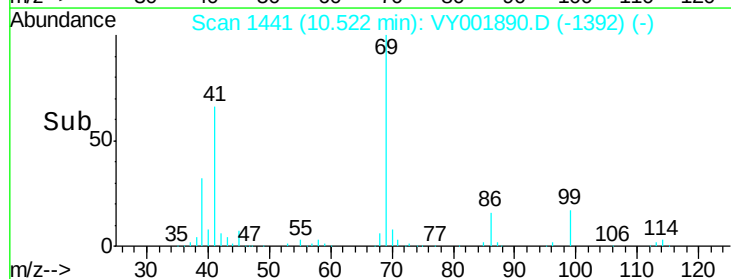
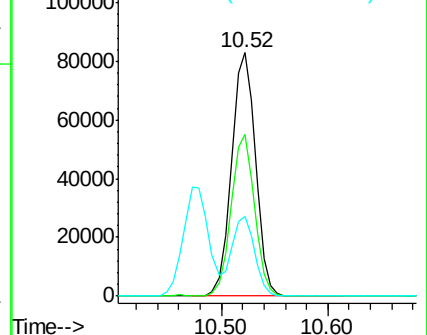
39 31.6 23.0 34.6

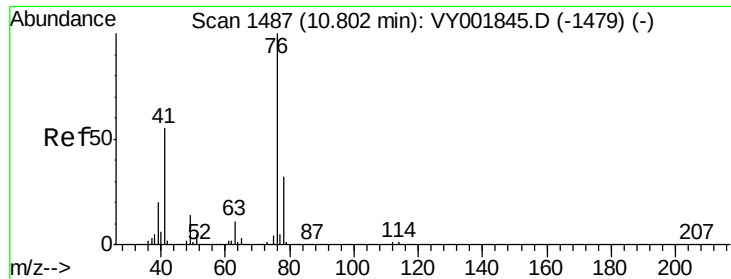


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





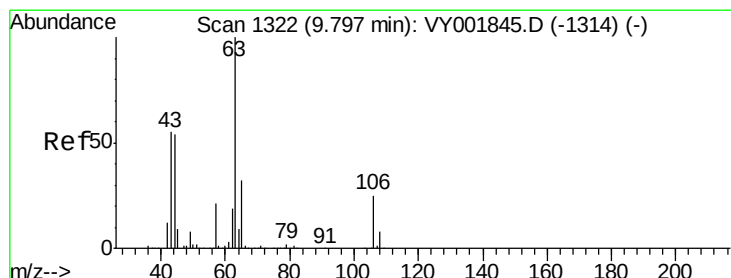
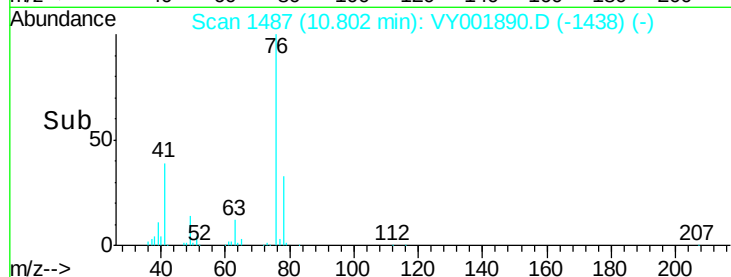
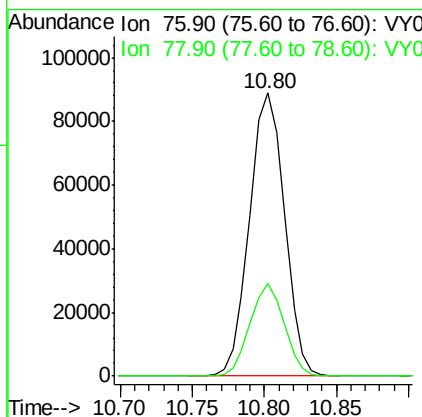
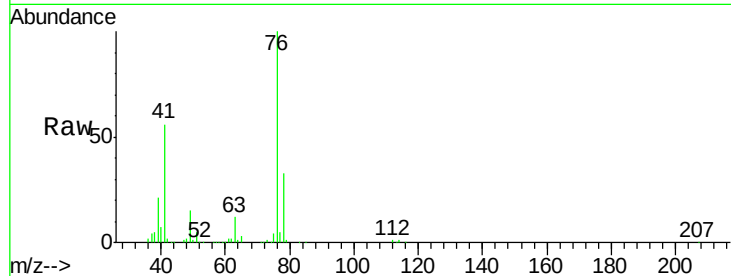
#57
 1,3-Dichloropropane
 Concen: 52.730 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

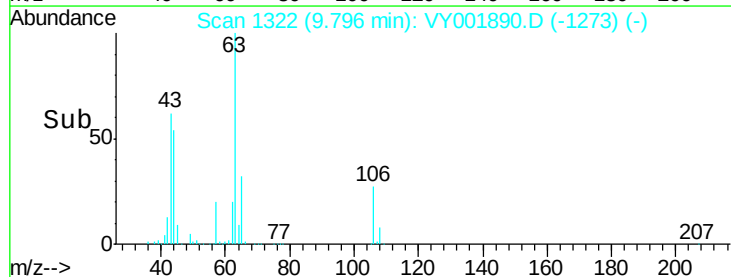
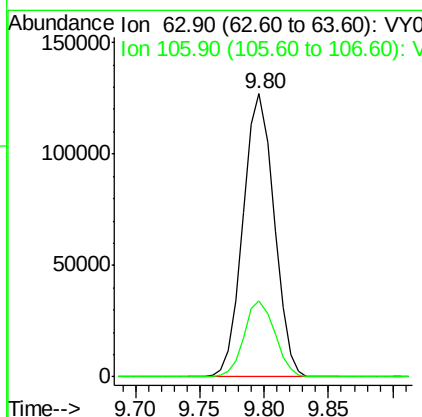
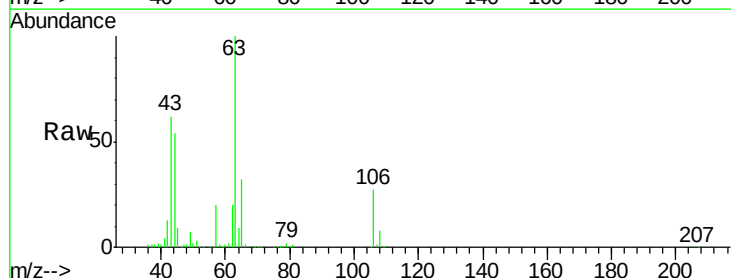
Manual Integrations
 APPROVED

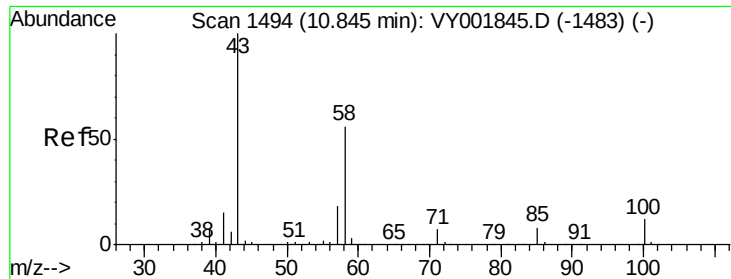
MMDadoda
 3/6/2020 11:16:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.618 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





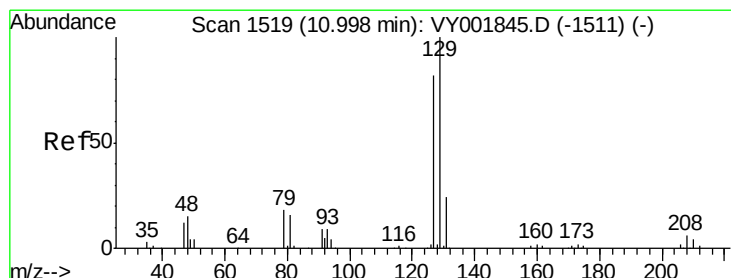
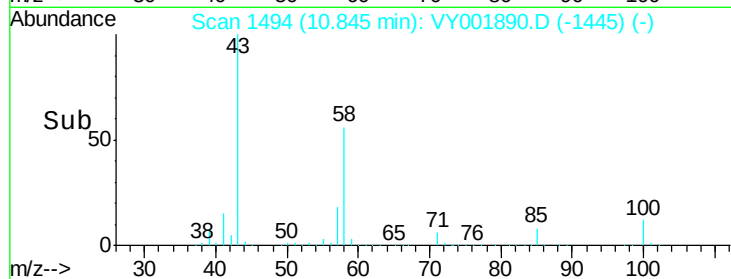
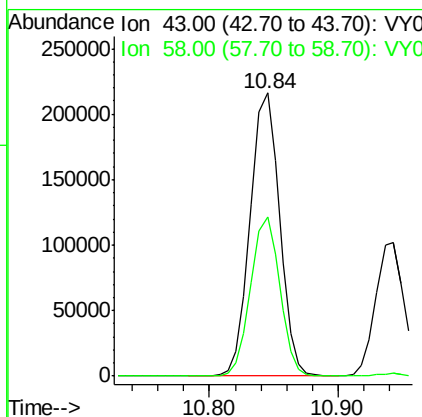
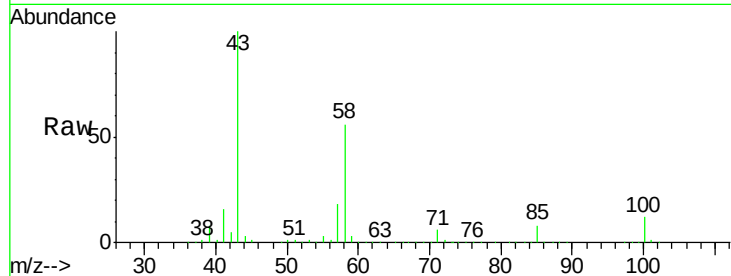
#59
2-Hexanone
Concen: 297.230 ug/l
RT: 10.84 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	28.1	84.3

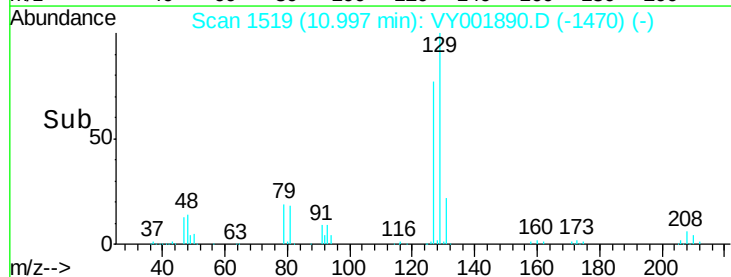
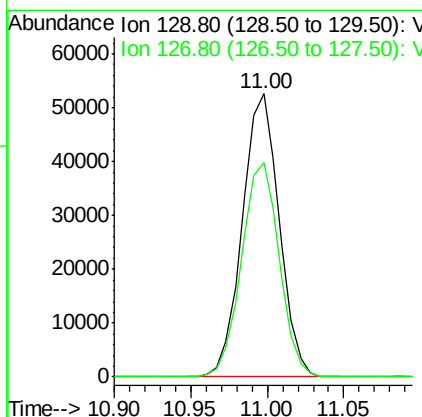
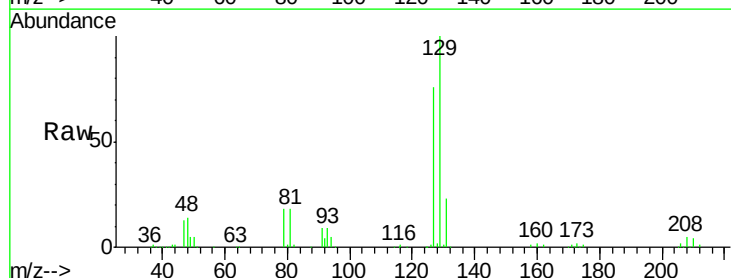
Manual Integrations
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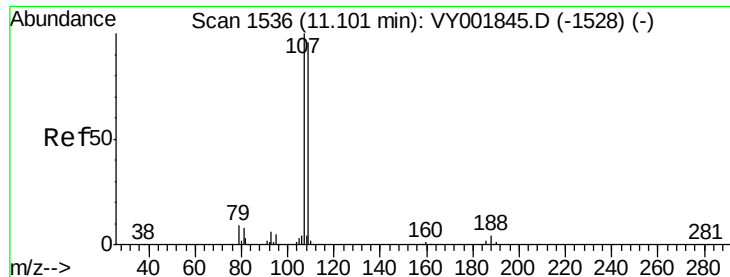
MMDadoda
3/6/2020 11:16:54 AM



#60
Dibromochloromethane
Concen: 52.442 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.0	117.0





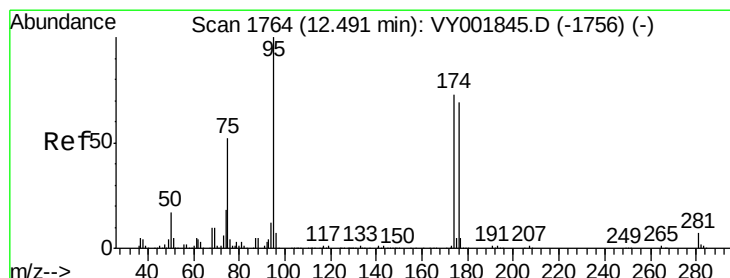
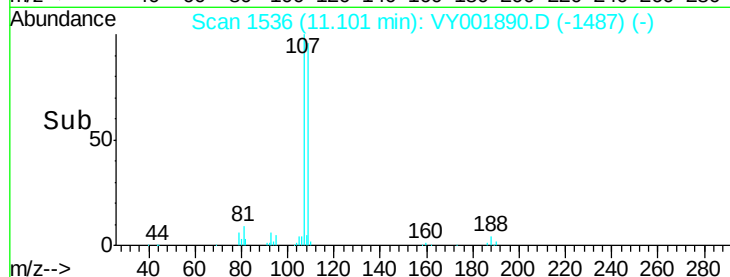
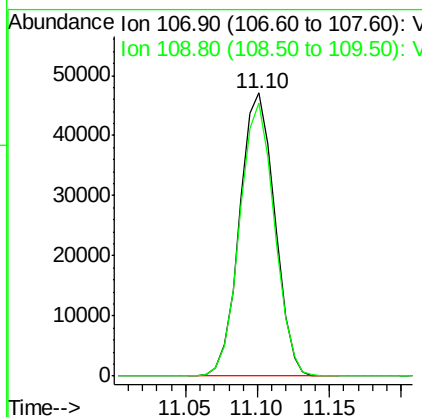
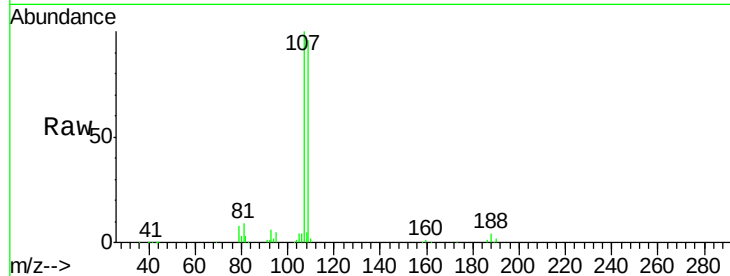
#61
 1,2-Dibromoethane
 Concen: 52.782 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.0

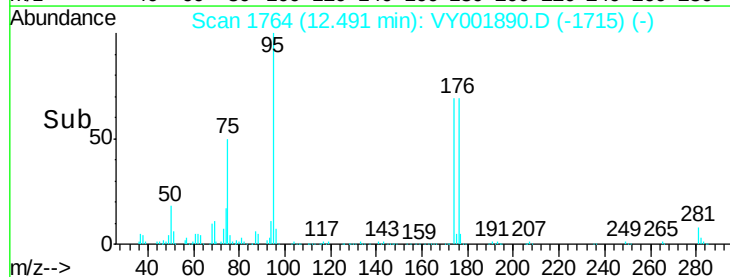
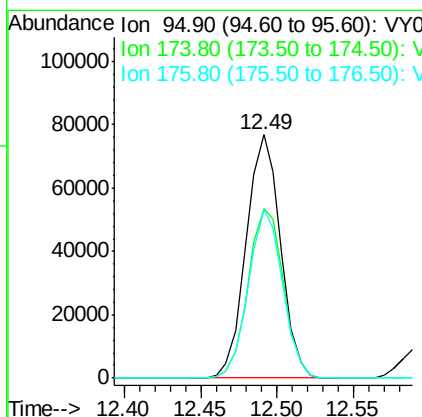
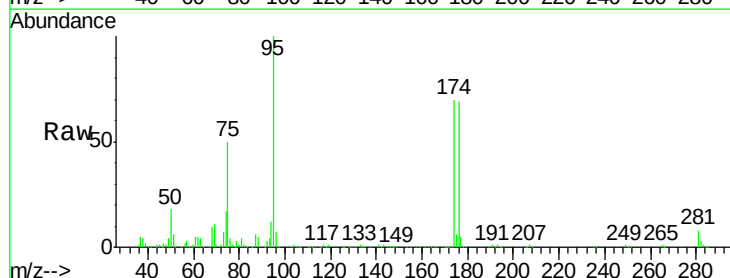
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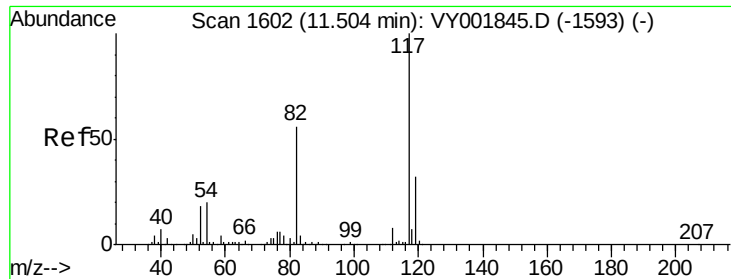
MMDadoda
 3/6/2020 11:16:54 AM



#62
 4-Bromofluorobenzene
 Concen: 50.770 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	145.0
176	69.0	0.0	137.4





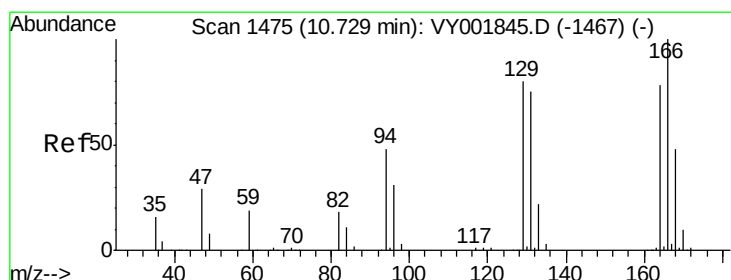
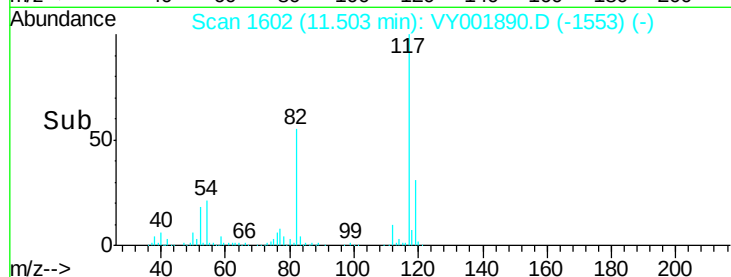
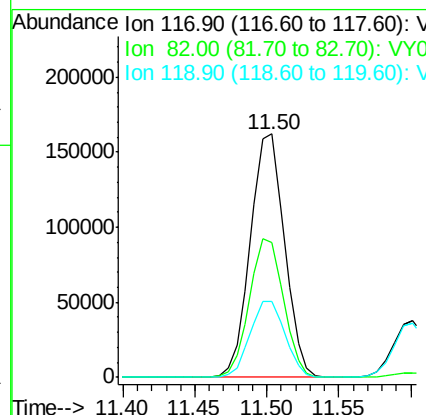
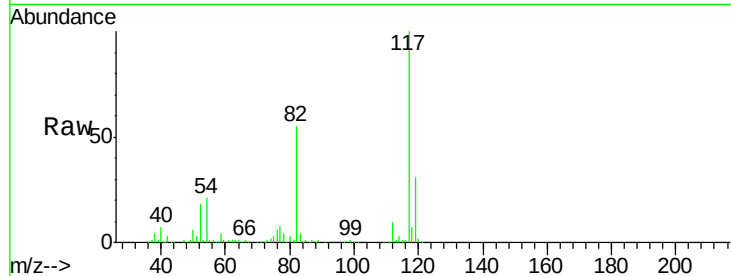
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.5	66.7
119	31.3	25.7	38.5

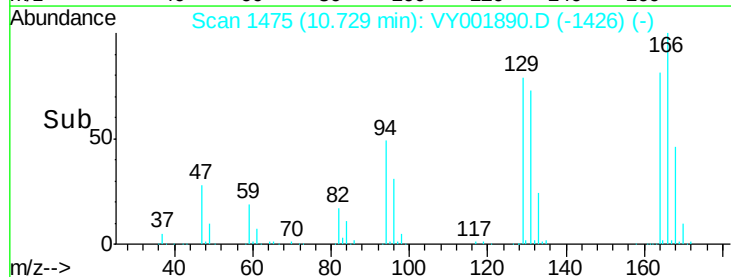
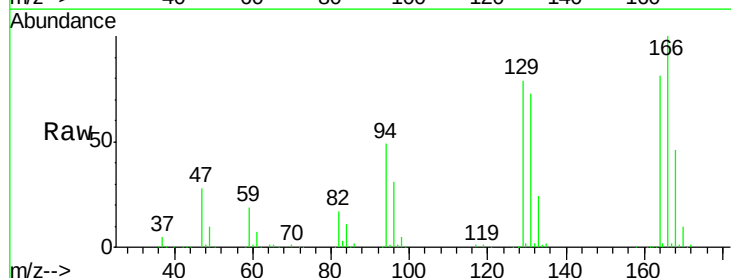
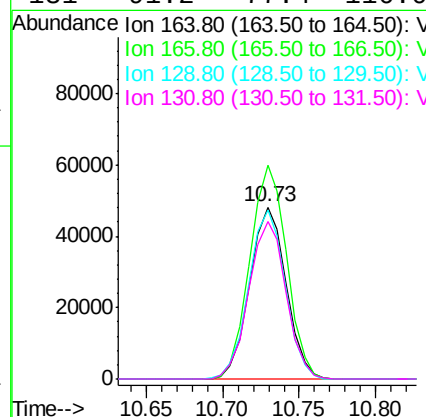
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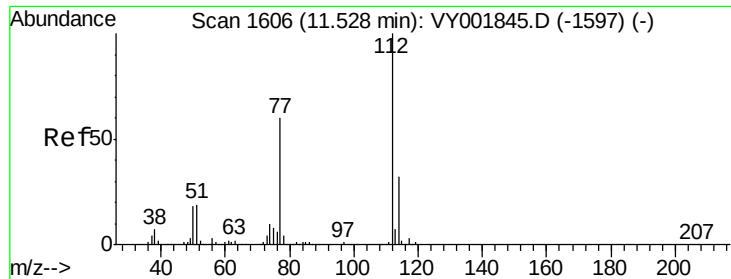
MMDadoda
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#64
Tetrachloroethene
Concen: 47.950 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.6	154.0
129	98.1	82.3	123.5
131	91.2	77.4	116.0





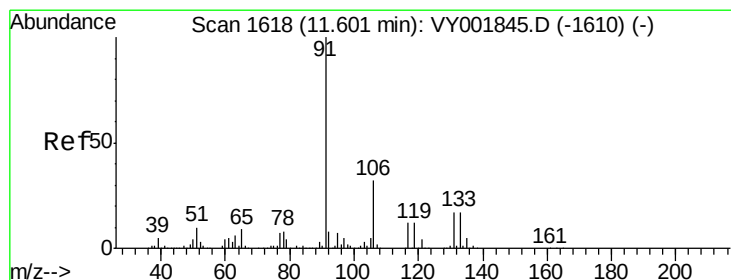
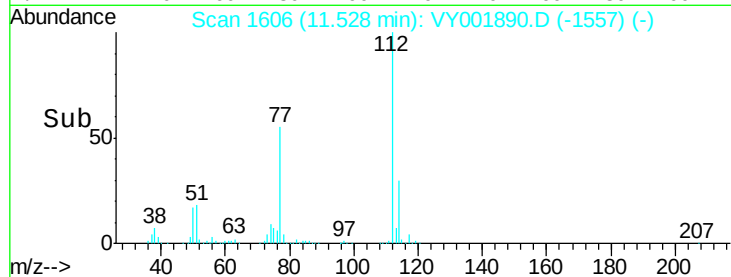
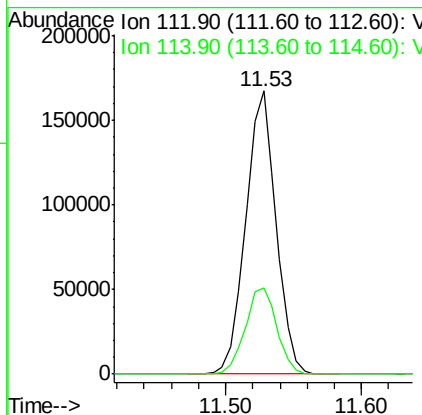
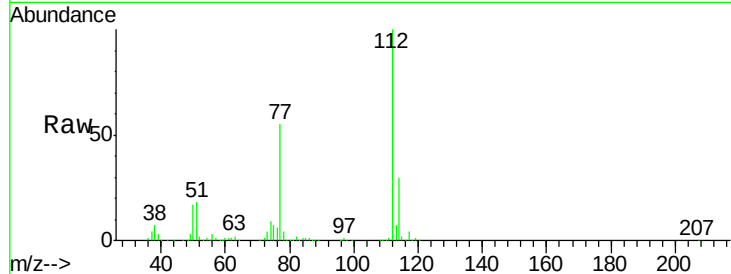
#65
Chlorobenzene
Concen: 49.097 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.9	38.9

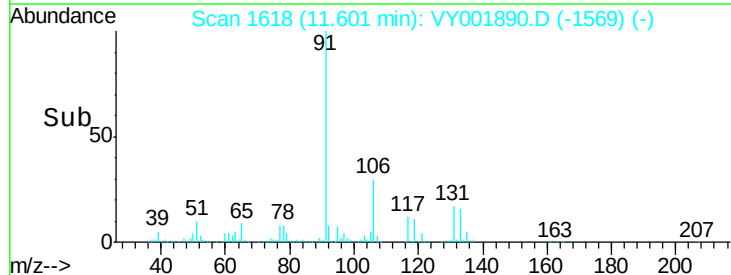
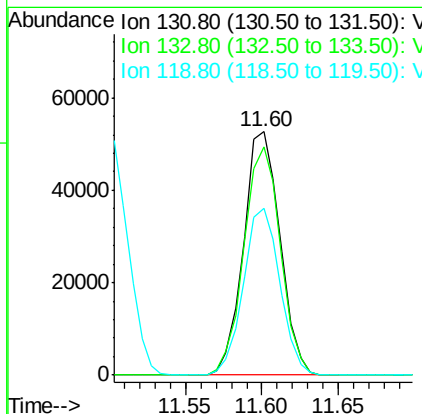
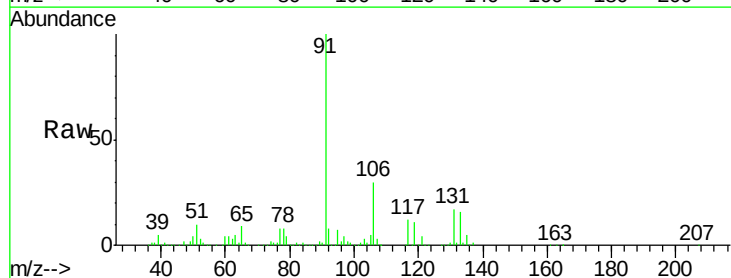
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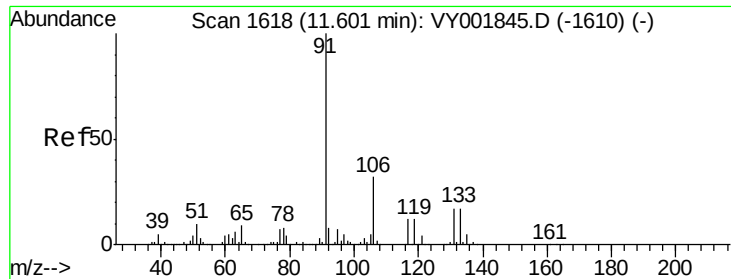
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.294 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	68.6	34.5	103.6





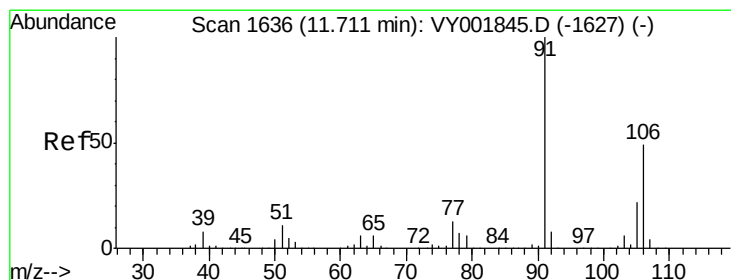
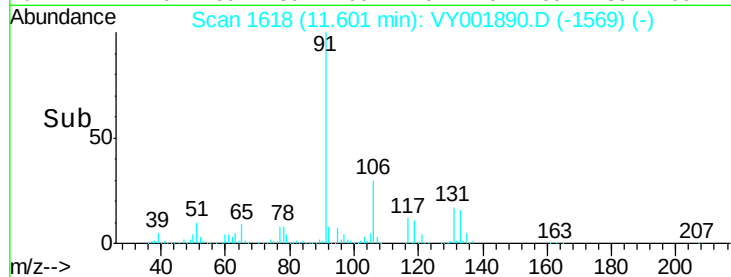
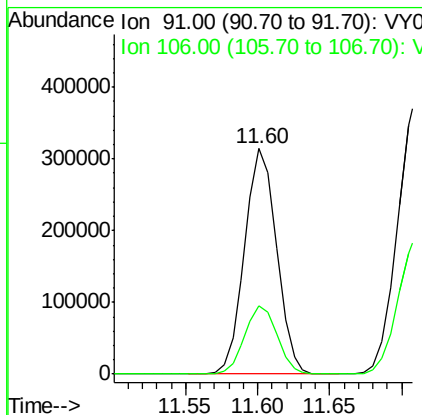
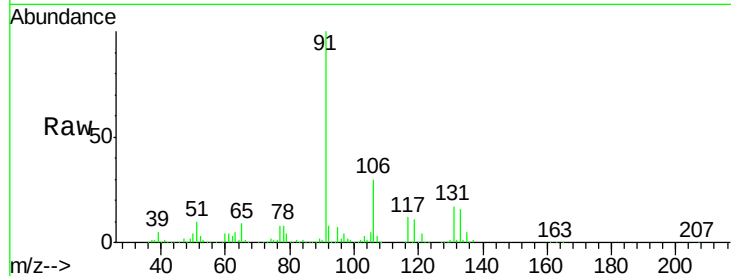
#67
Ethyl Benzene
Concen: 48.975 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 484090
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.2

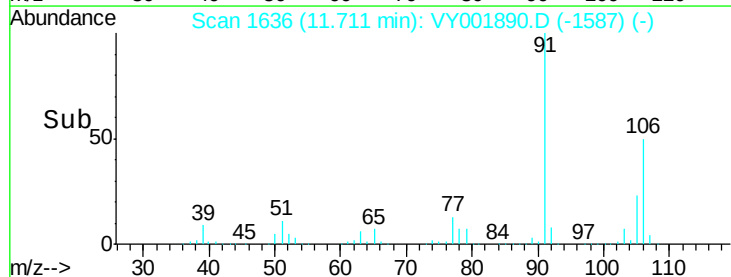
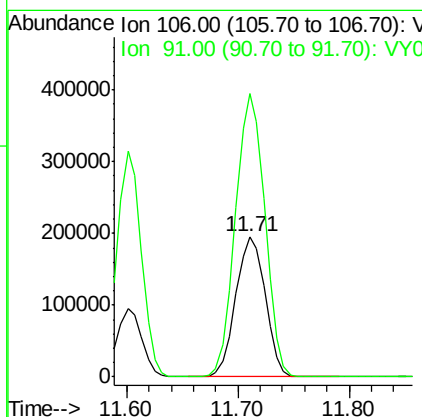
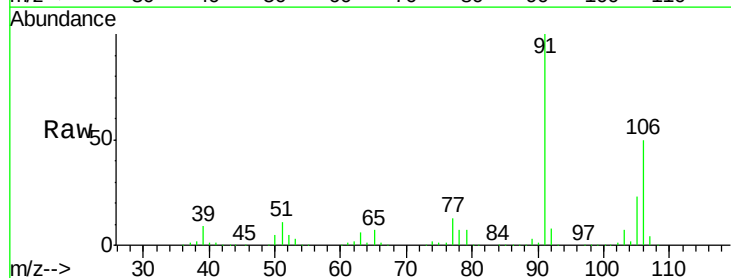
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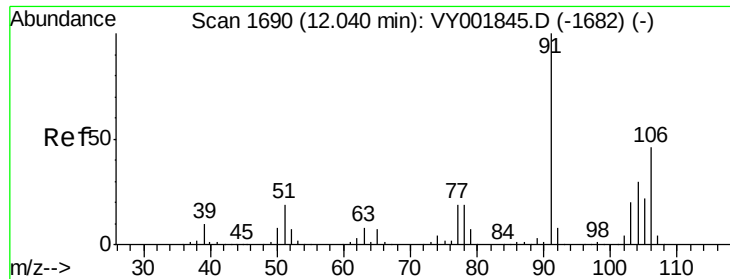
MMDadoda
3/6/2020 11:16:54 AM



#68
m/p-Xylenes
Concen: 98.233 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion: 106 Resp: 358981
Ion Ratio Lower Upper
106 100
91 200.6 161.3 241.9





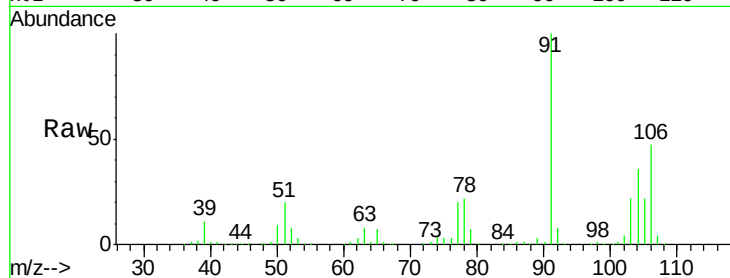
#69
o-Xylene
Concen: 49.138 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

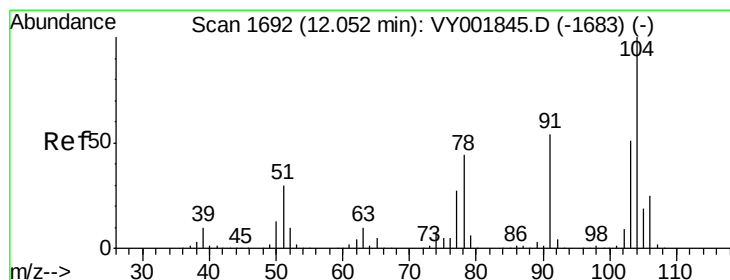
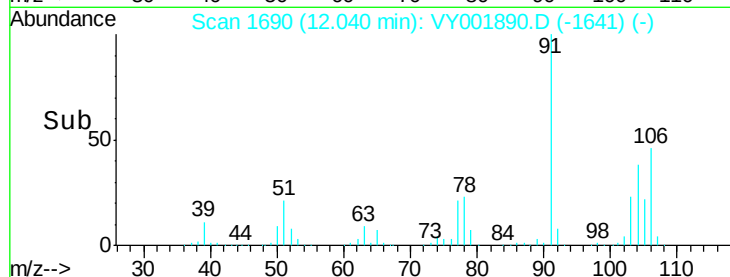
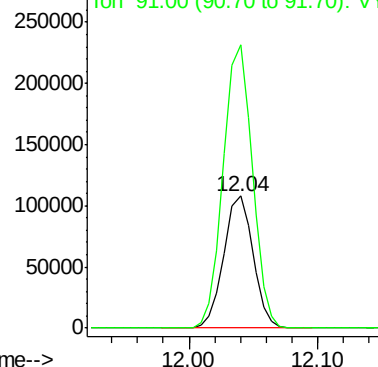
Tot Ion:106 Resp: 169249
Ion Ratio Lower Upper
106 100
91 213.4 106.8 320.4

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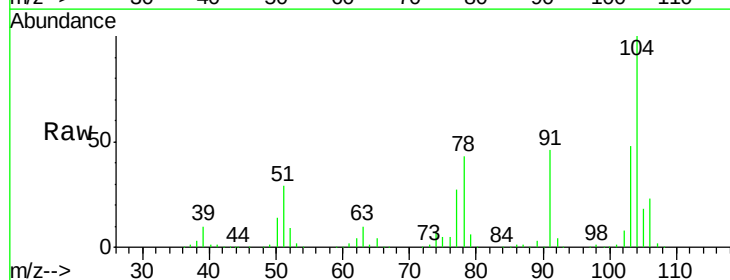


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

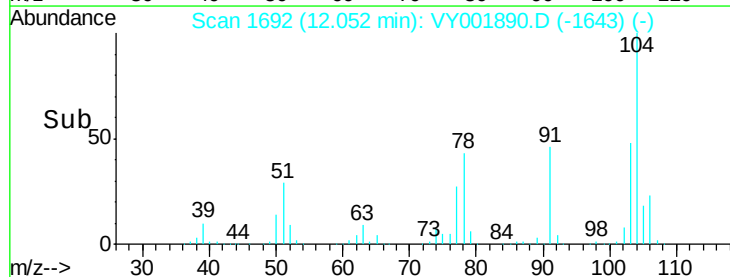
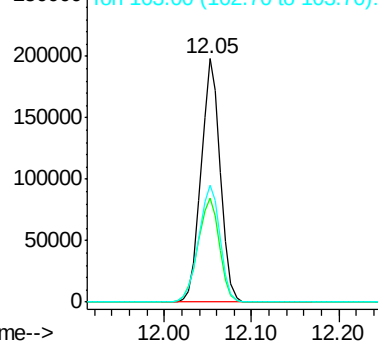


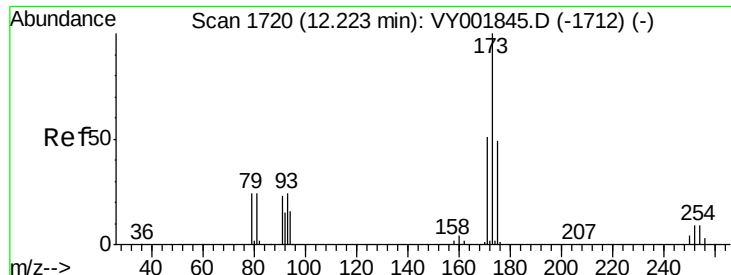
#70
Styrene
Concen: 50.900 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion:104 Resp: 300271
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 53.4 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.068 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

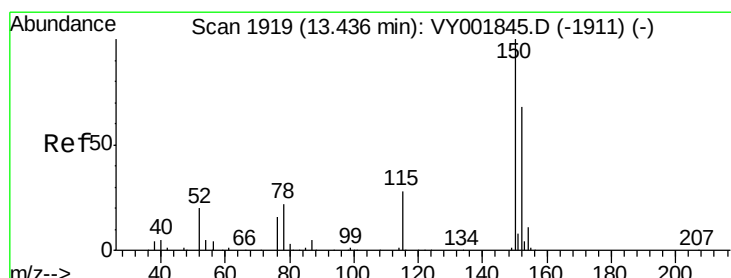
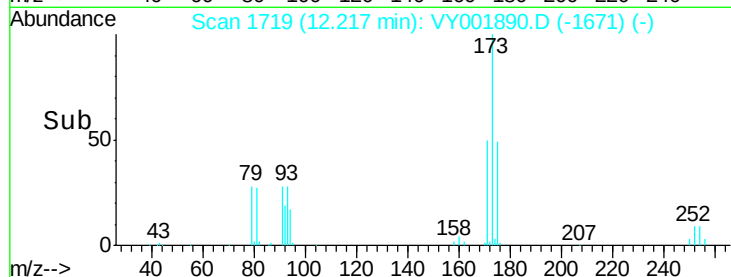
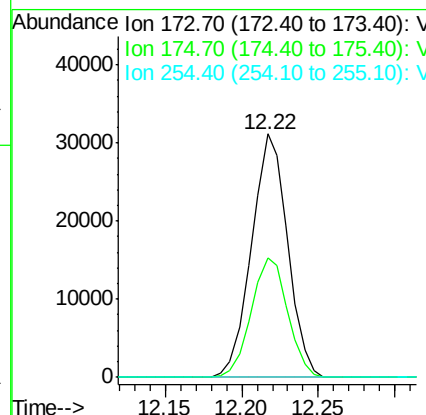
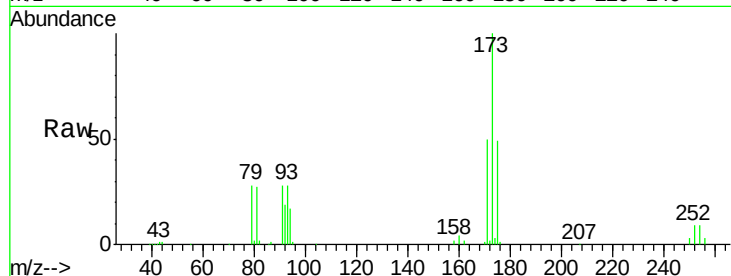
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	50963
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

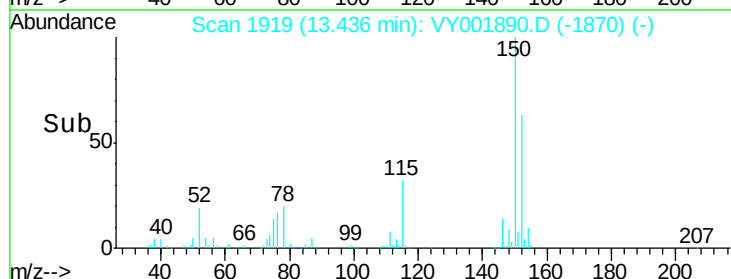
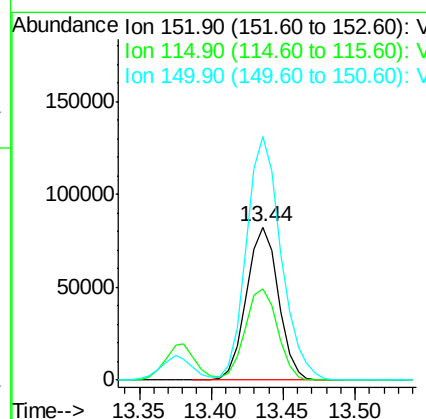
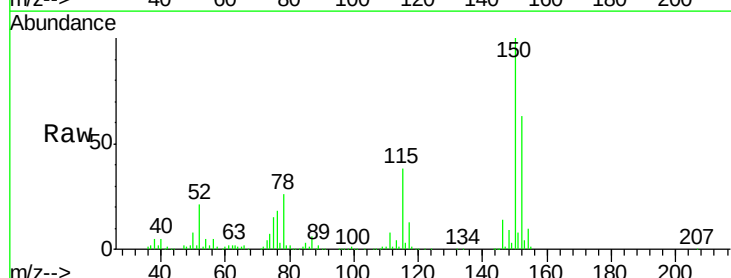
RT: 13.44 min Scan# 1919

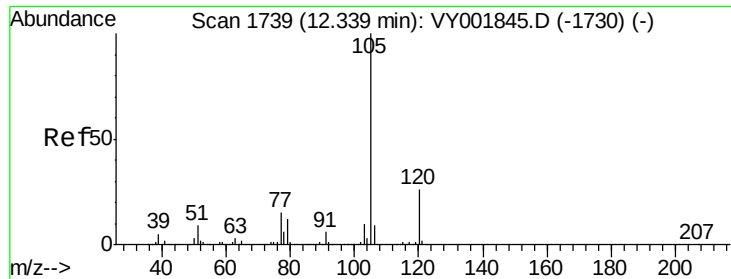
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	152	Resp:	125762
Ion Ratio	Lower	Upper	
152	100		
115	61.2	29.9	89.7
150	173.7	0.0	340.6





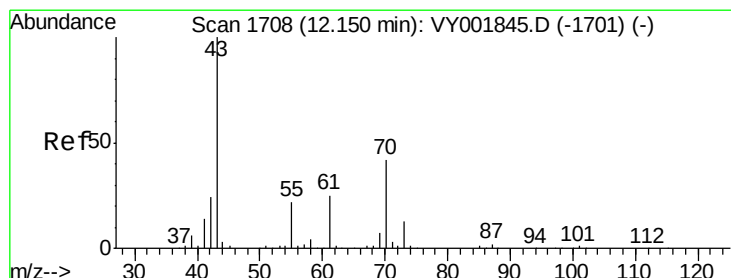
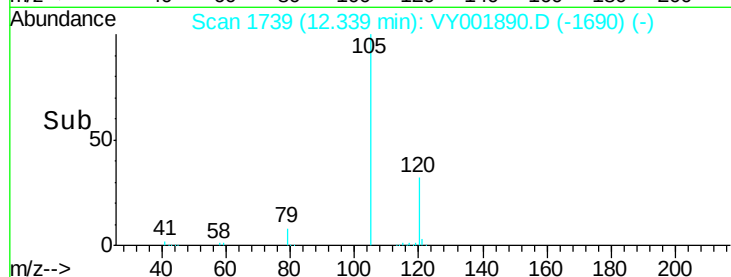
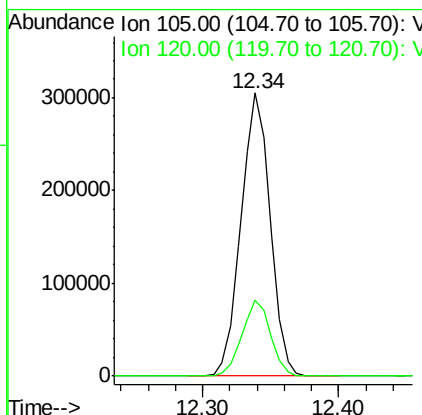
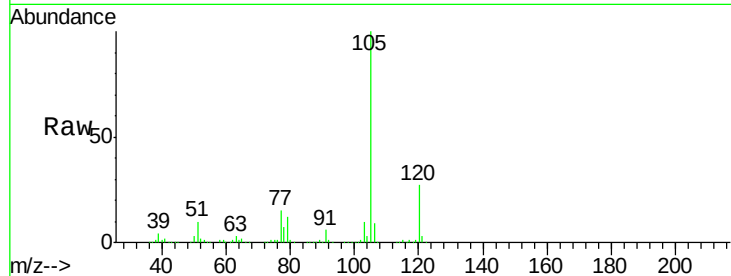
#73
Isopropylbenzene
Concen: 47.519 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

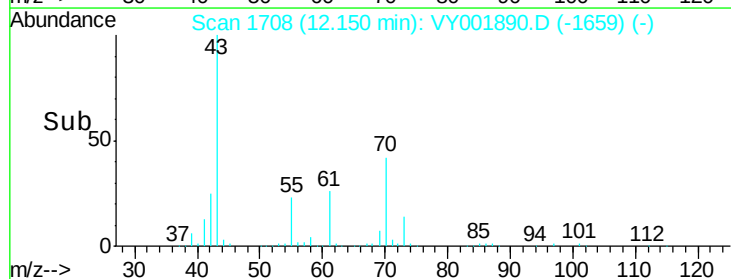
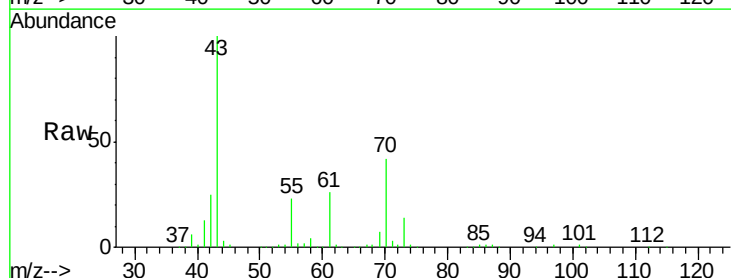
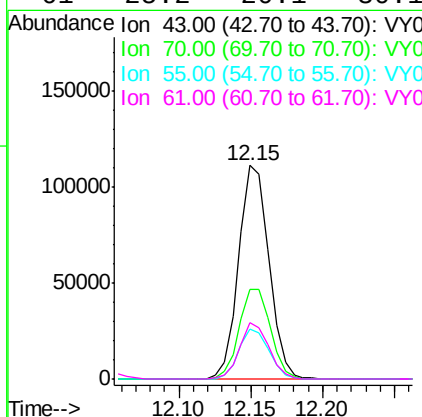
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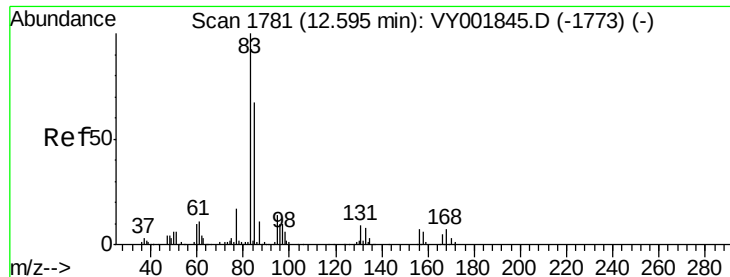
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3/6/2020 11:16:54 AM



#74
N-ethyl acetate
Concen: 55.359 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.7	52.1
55	23.4	18.2	27.4
61	25.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.869 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

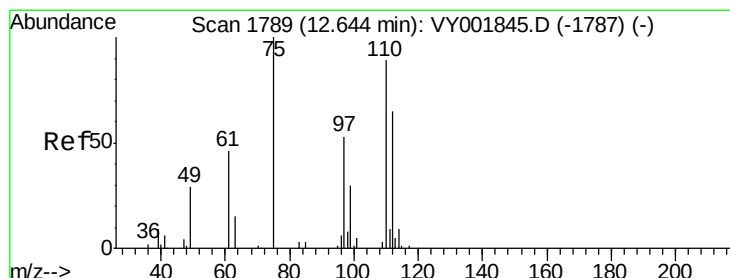
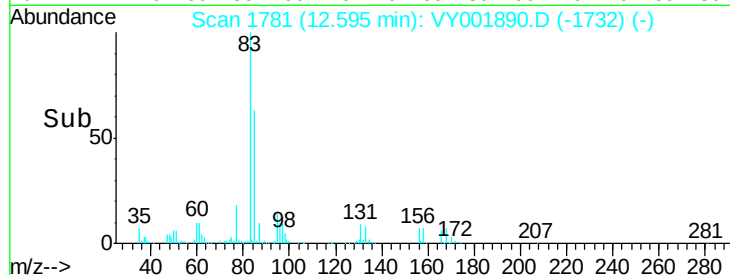
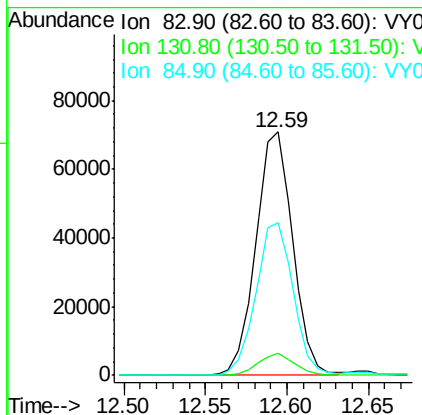
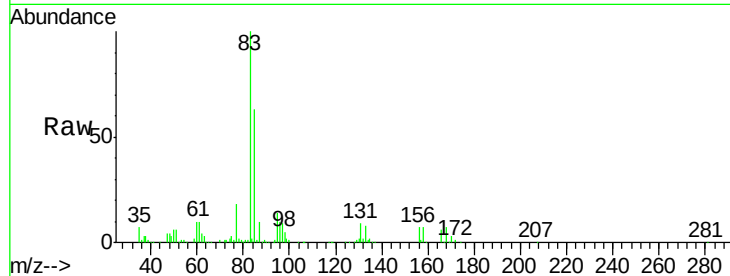
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111524
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	63.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.190 ug/l m

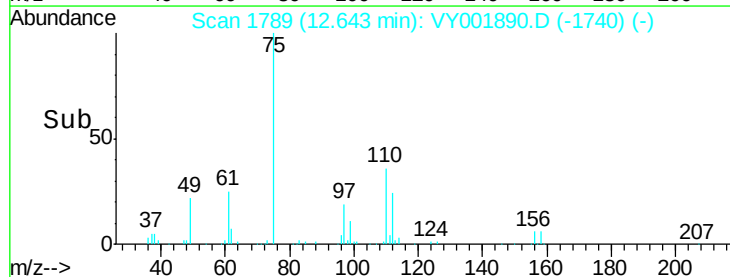
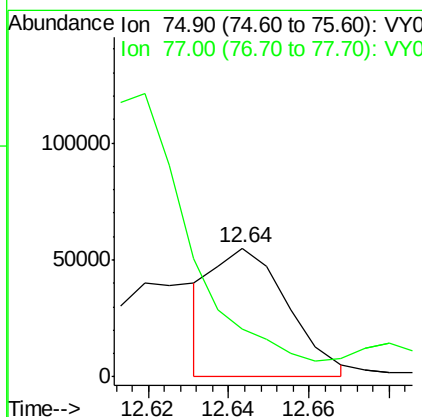
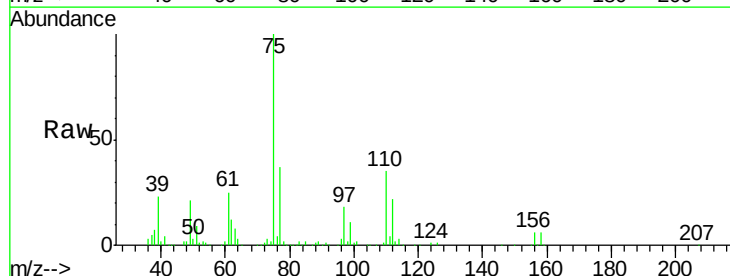
RT: 12.64 min Scan# 1789

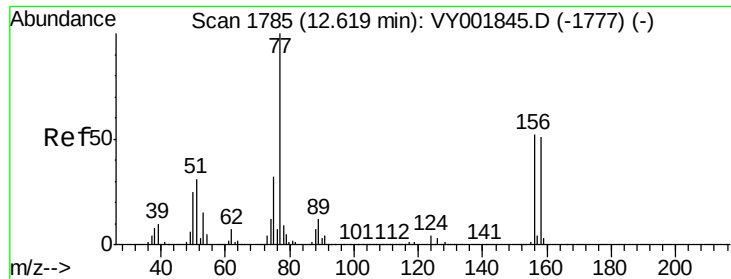
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	75	Resp:	71911
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.797 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

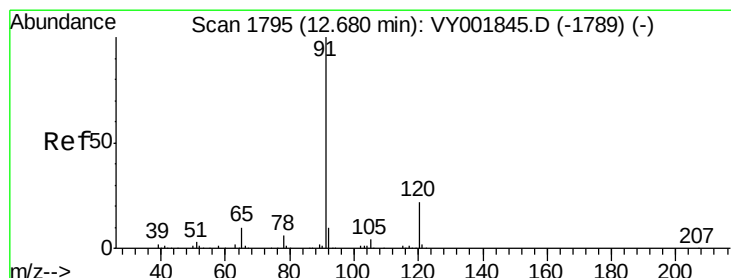
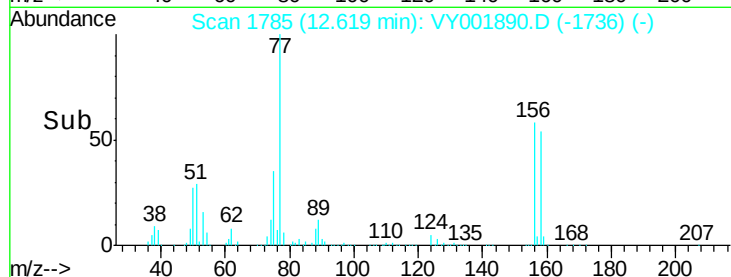
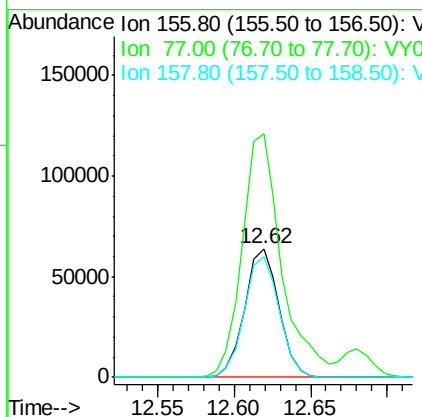
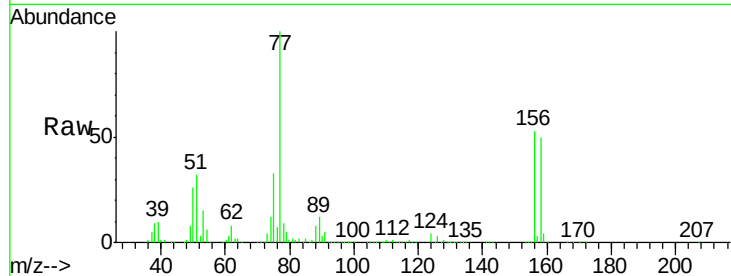
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	218.1	109.0	327.0	
158	95.3	48.9	146.8	

Manual Integrations
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3/6/2020 11:16:54 AM



#78

n-propylbenzene

Concen: 47.435 ug/l

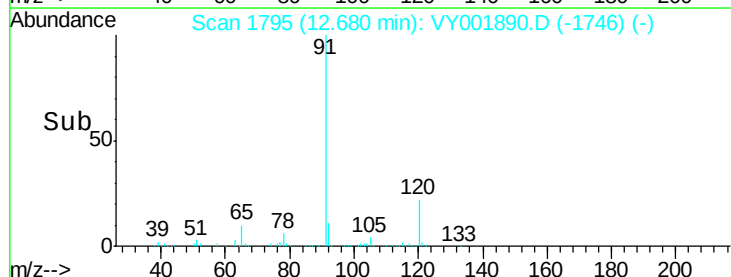
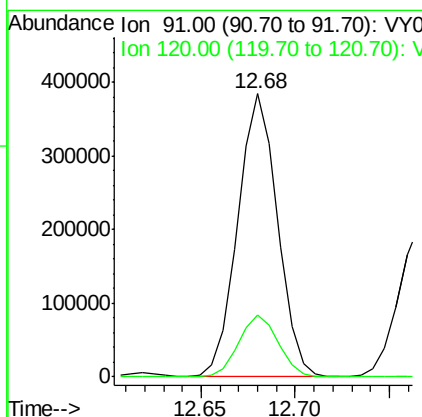
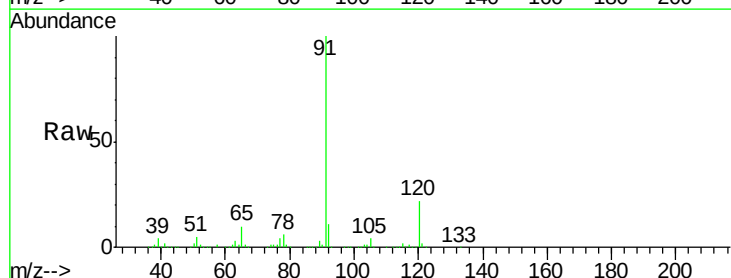
RT: 12.68 min Scan# 1795

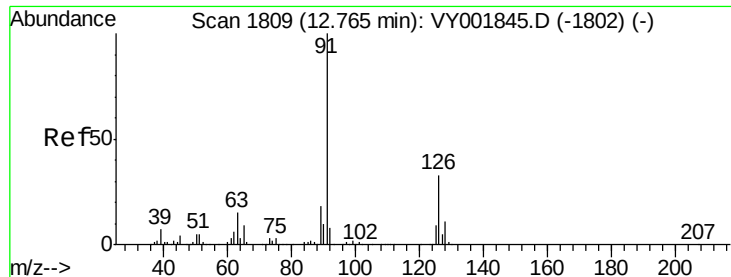
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.0	33.0	





#79

2-Chlorotoluene

Concen: 47.771 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 312598

Ion Ratio Lower Upper

91 100

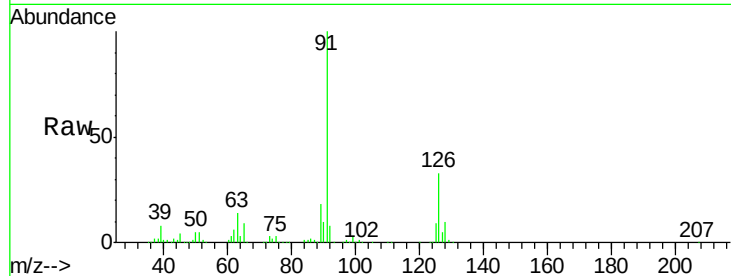
126 32.8 16.3 48.8

Manual Integrations

APPROVED

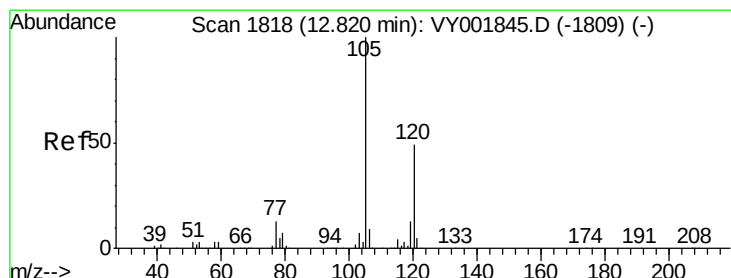
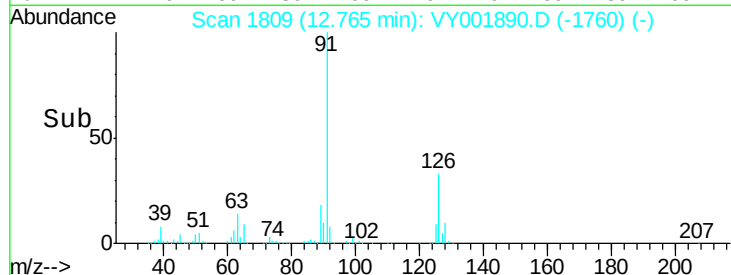
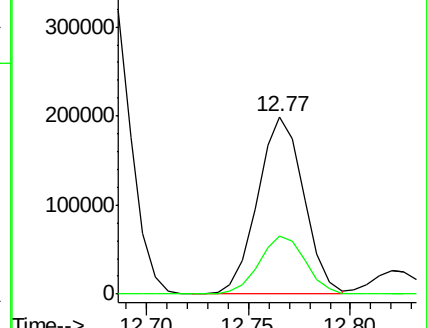
MMDadoda

3/6/2020 11:16:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001890.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001890.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.844 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001890.D

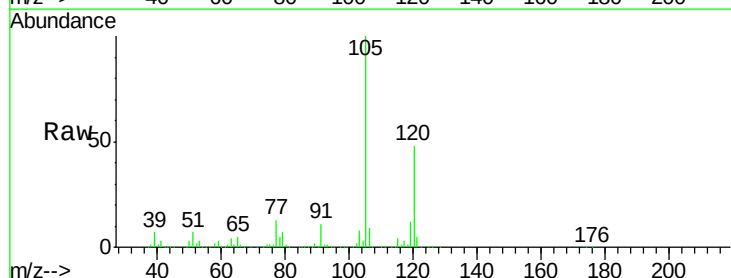
Acq: 05 Mar 2020 18:18

Tgt Ion: 105 Resp: 378135

Ion Ratio Lower Upper

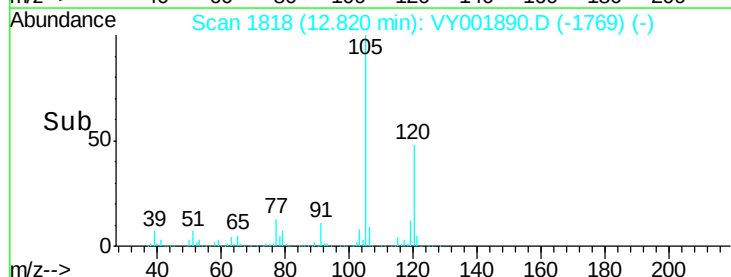
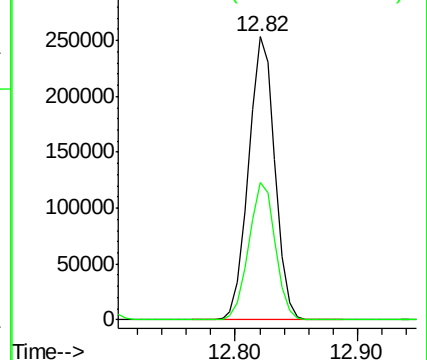
105 100

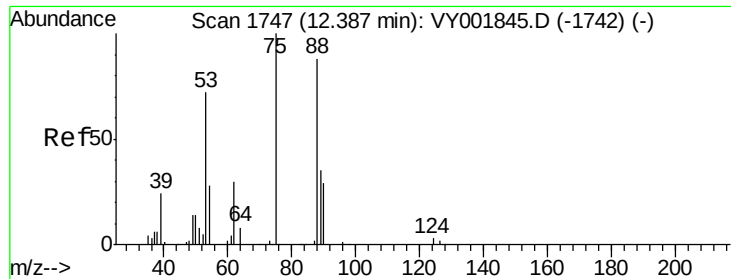
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001890.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001890.D (-1769) (-)





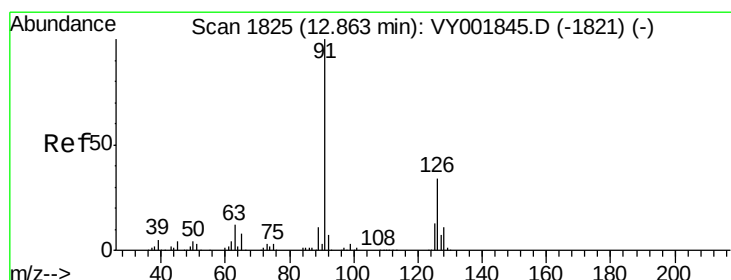
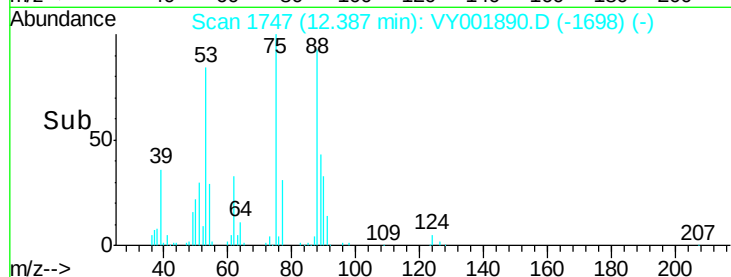
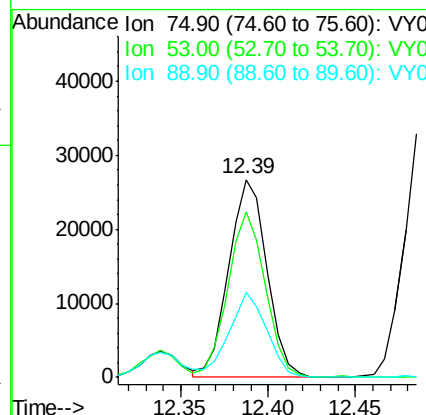
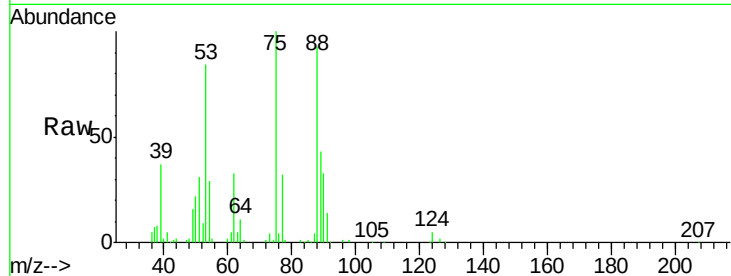
#81
trans-1,4-Dichloro-2-butene
Concen: 54.945 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.3	65.4	98.0
89	42.5	36.0	54.0

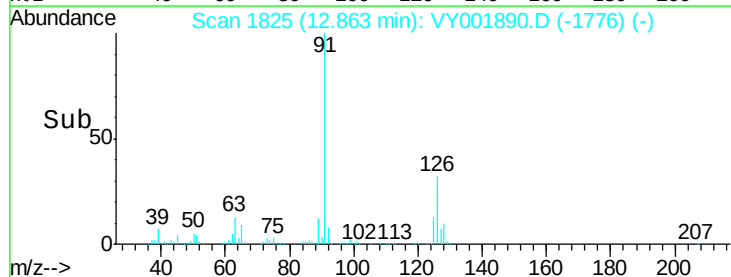
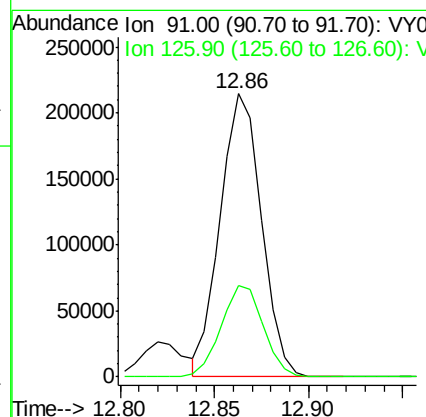
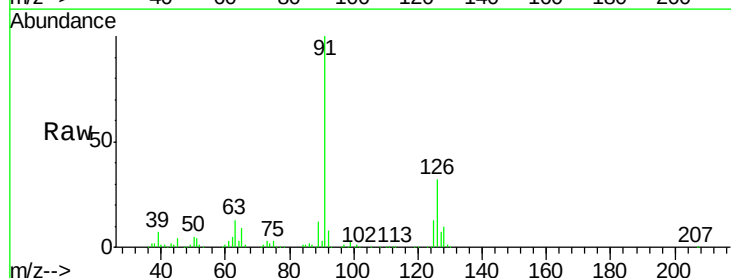
Manual Integrations
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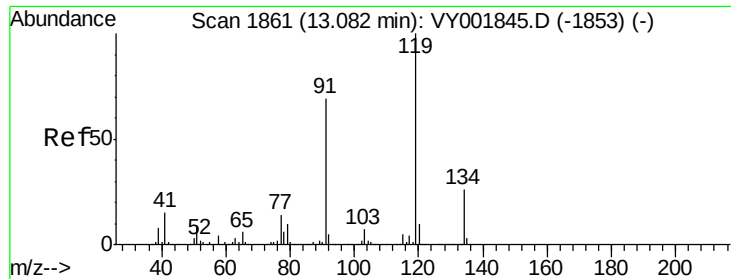
MMDadoda
3/6/2020 11:16:54 AM



#82
4-Chlorotoluene
Concen: 47.821 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





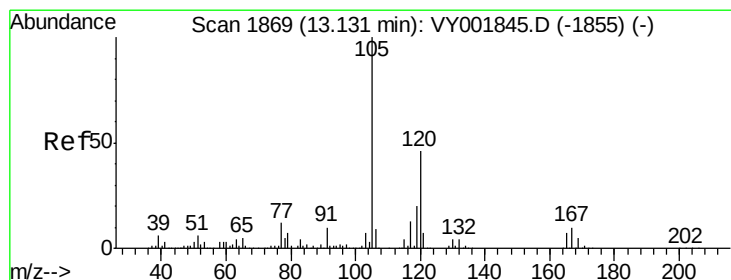
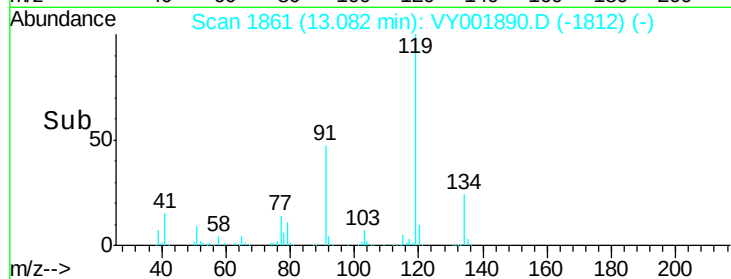
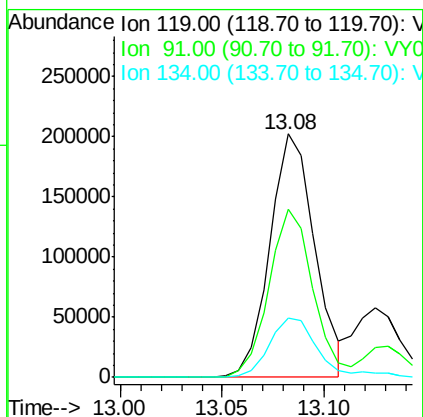
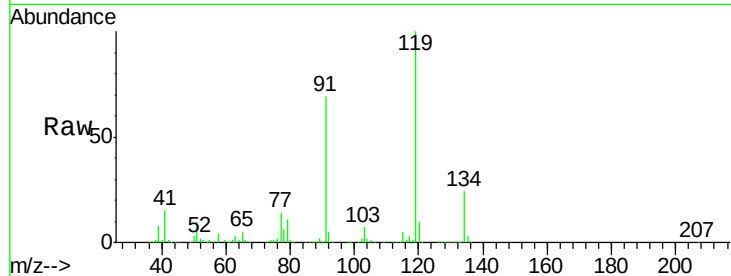
#83
 tert-Butylbenzene
 Concen: 47.252 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	26.9	13.5	40.4

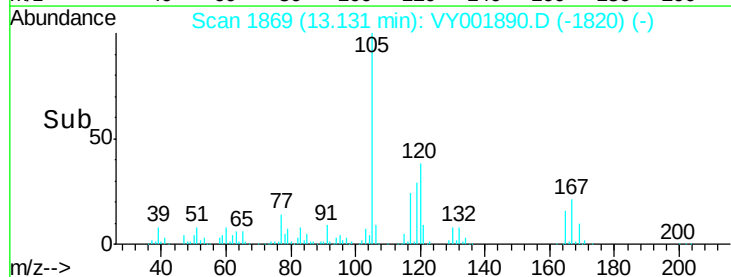
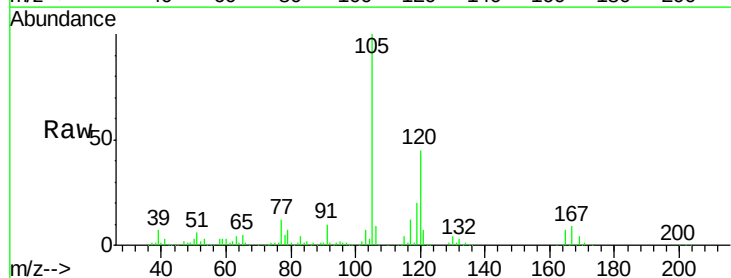
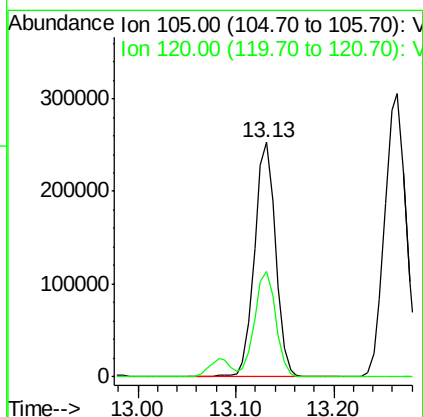
Manual Integrations
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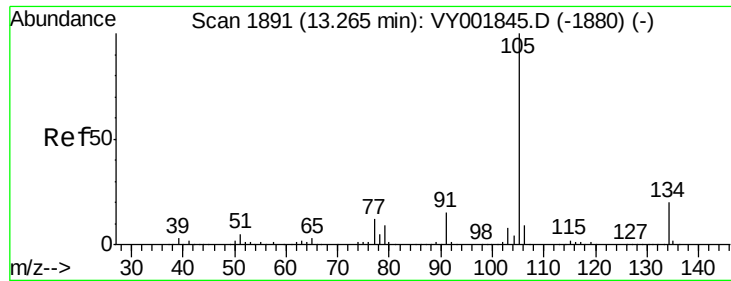
MMDadoda
 3/6/2020 11:16:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.129 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VY001890.D
 Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 47.808 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 462577

Ion Ratio Lower Upper

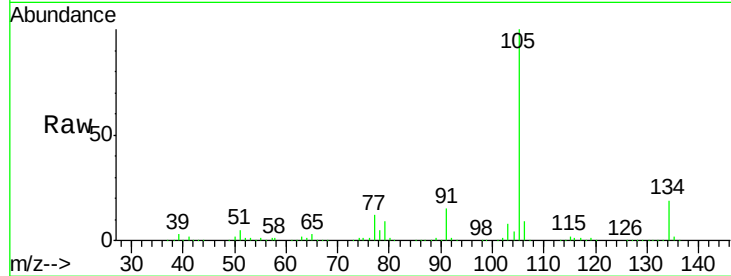
105 100

134 19.5 9.7 29.1

Manual Integrations
APPROVED

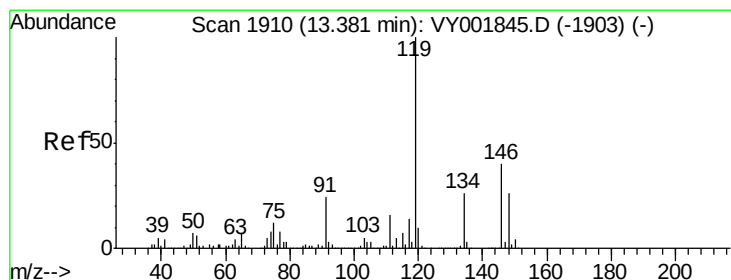
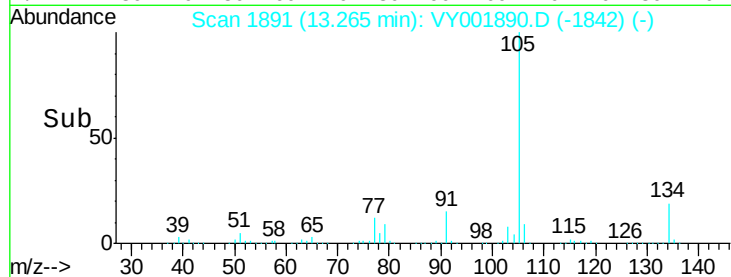
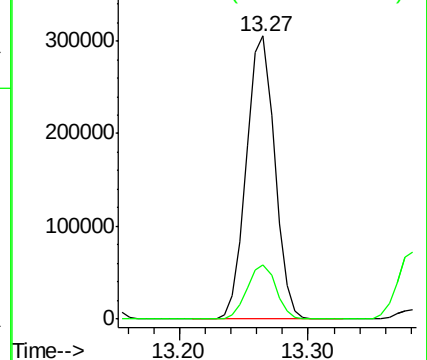
MMDadoda

3/6/2020 11:16:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.102 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

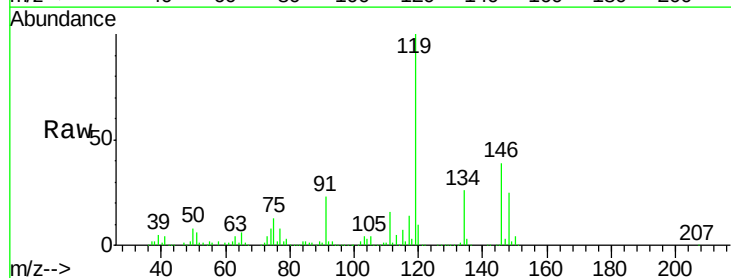
Tgt Ion:119 Resp: 401495

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

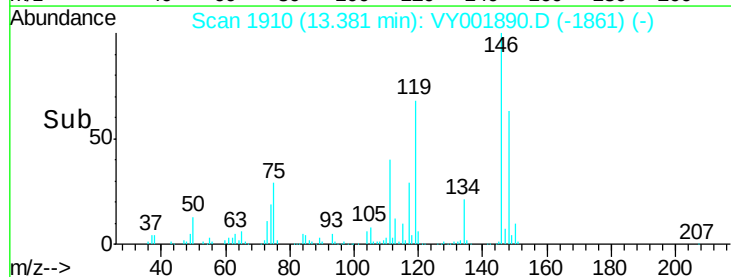
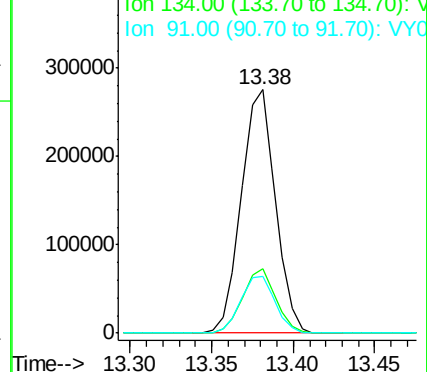
91 23.6 11.9 35.7

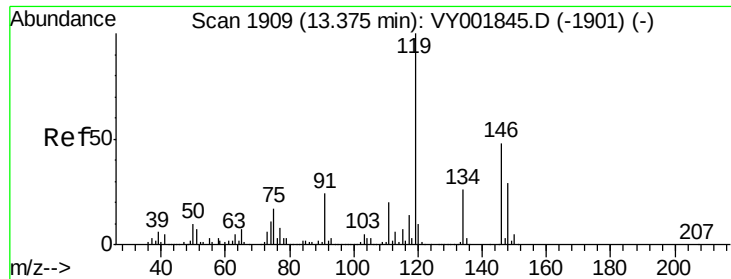


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 47.766 ug/l

RT: 13.37 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

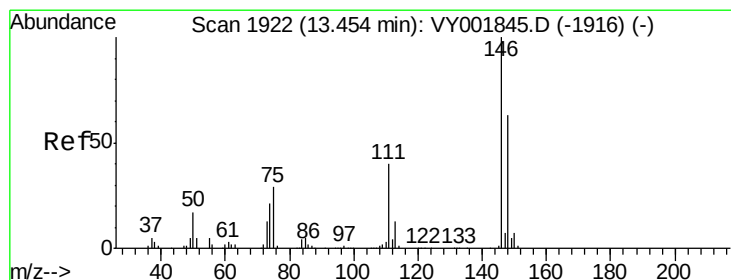
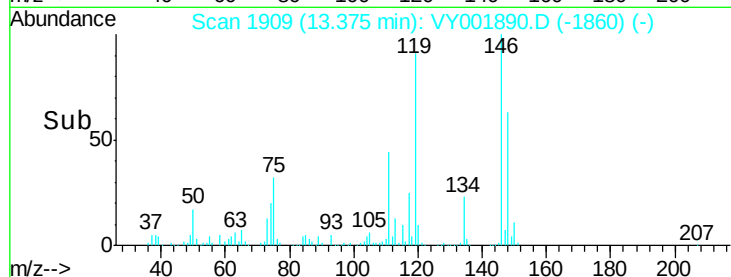
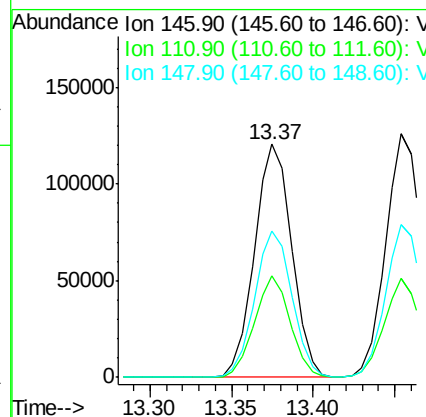
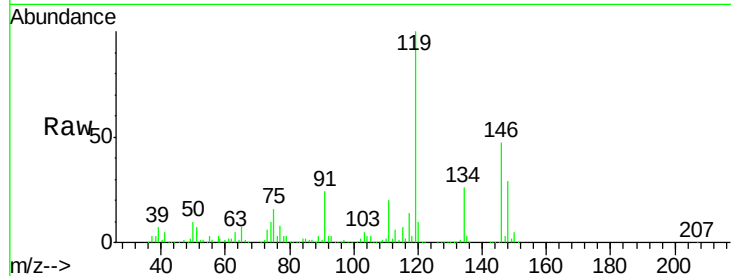
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190386		
111	41.8	20.8	62.5	
148	63.2	31.4	94.0	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.509 ug/l

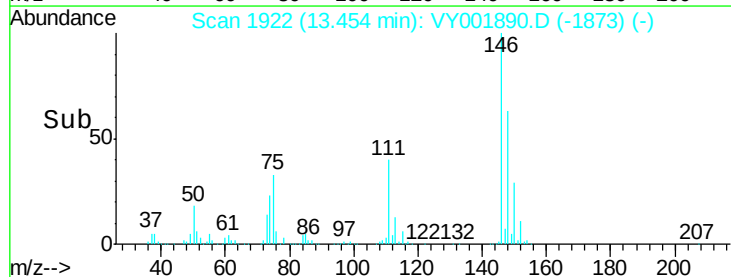
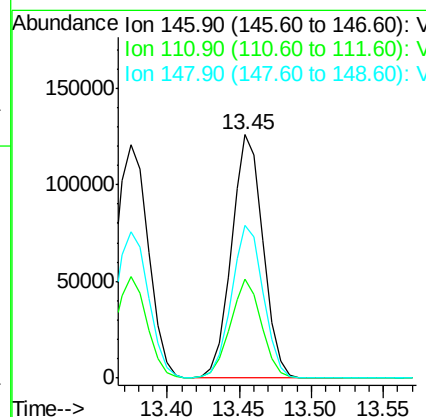
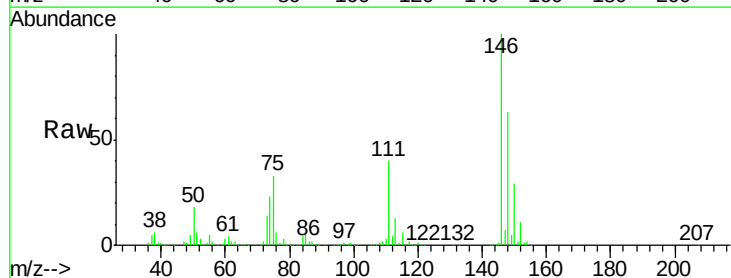
RT: 13.45 min Scan# 1922

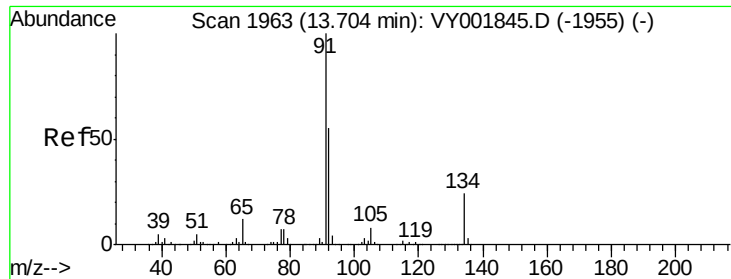
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192108		
111	40.4	20.0	60.0	
148	63.6	31.5	94.5	





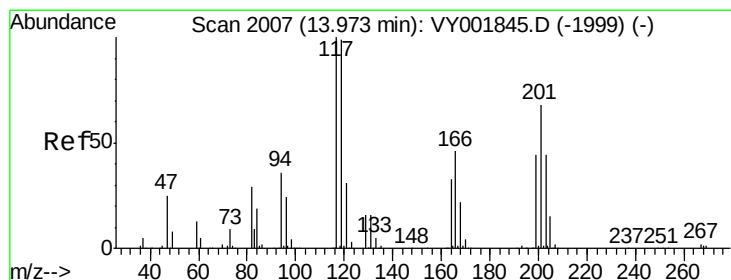
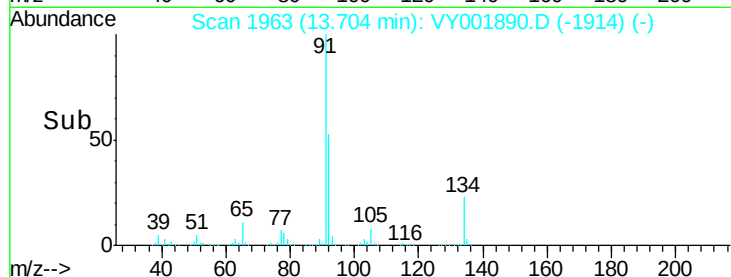
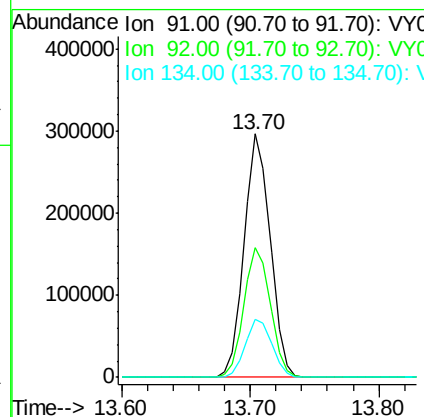
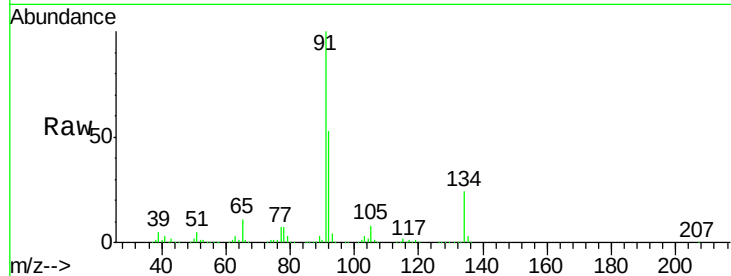
#89
n-Butylbenzene
Concen: 47.911 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.5	82.4
134	24.5	12.5	37.5

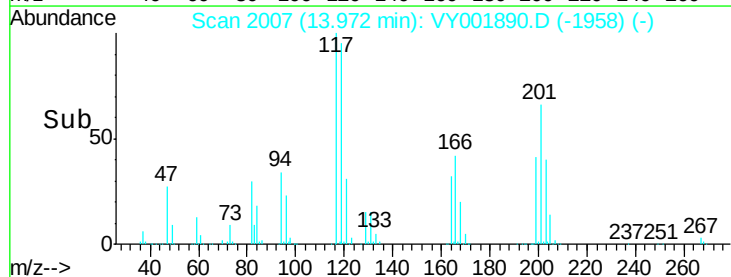
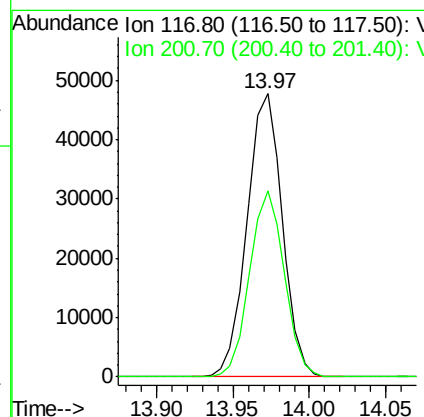
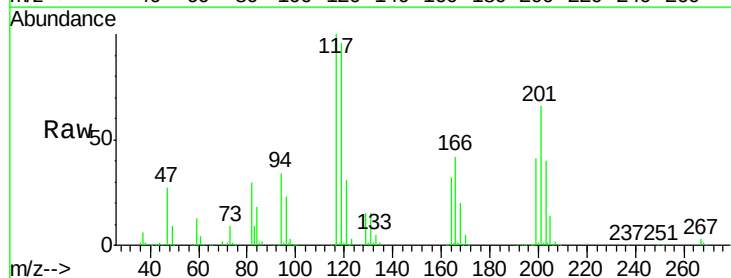
Manual Integrations
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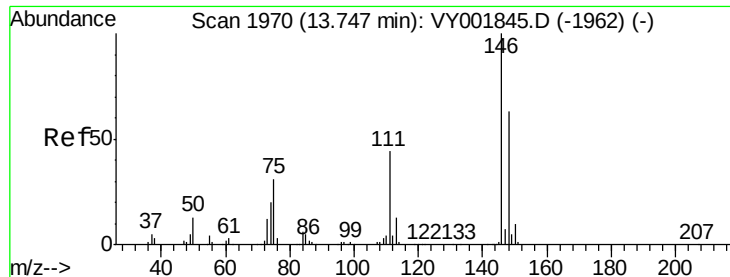
MMDadoda
3/6/2020 11:16:54 AM



#90
Hexachloroethane
Concen: 48.637 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.5	97.5





#91

1,2-Dichlorobenzene

Concen: 49.095 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Instrument :

MSVOA_Y

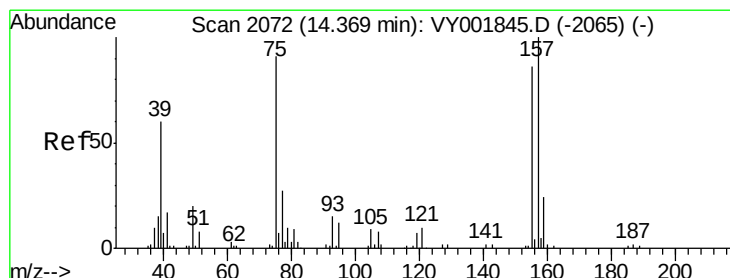
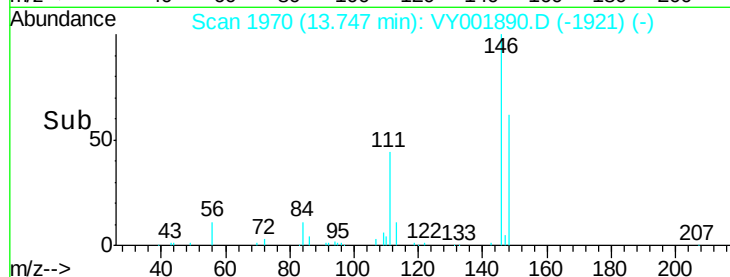
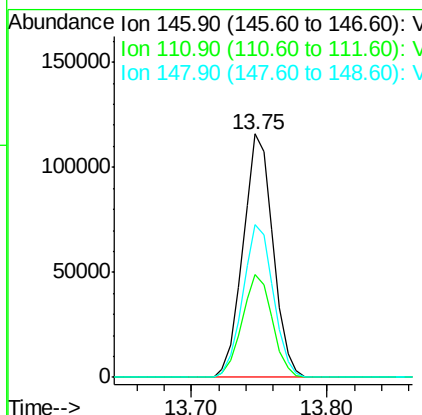
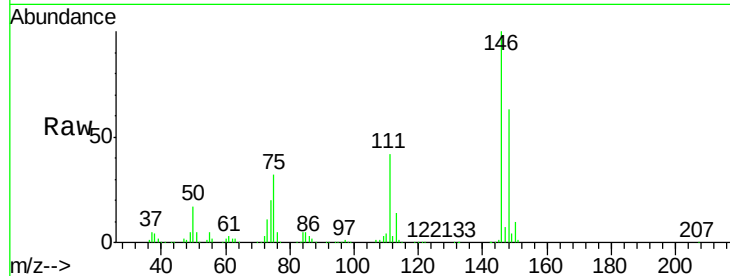
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	177777
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.5	64.5
148	63.9	32.0	96.0

Manual Integrations
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3/6/2020 11:16:54 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.374 ug/l

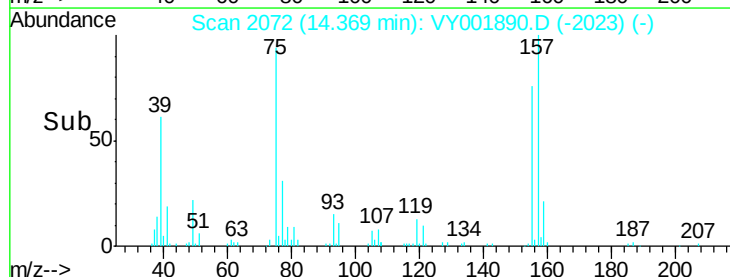
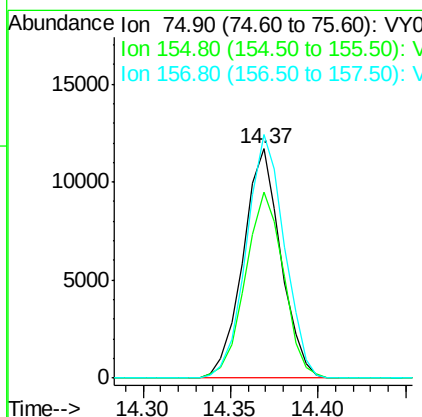
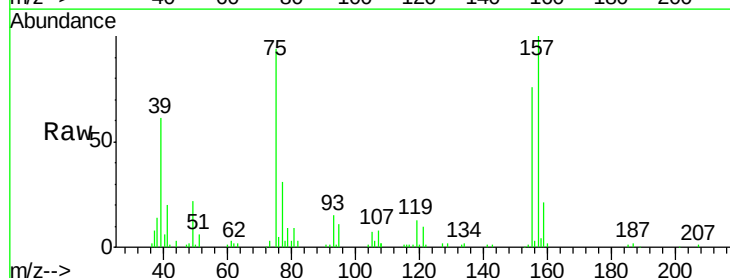
RT: 14.37 min Scan# 2072

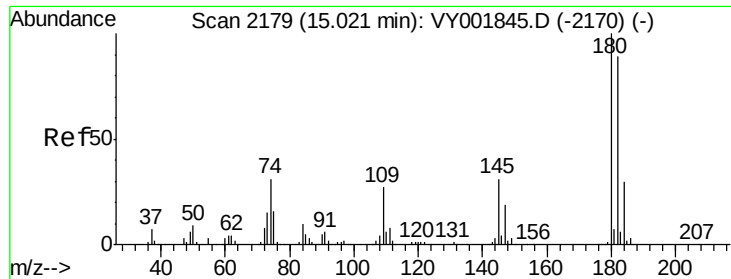
Delta R.T. -0.00 min

Lab File: VY001890.D

Acq: 05 Mar 2020 18:18

Tgt Ion:	75	Resp:	17566
Ion Ratio	Lower	Upper	
75	100		
155	81.8	42.9	128.7
157	107.1	53.1	159.4





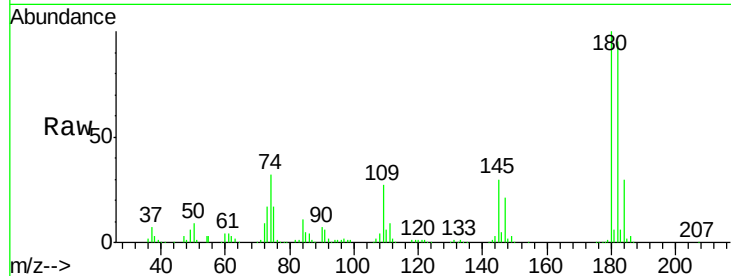
#93
1,2,4-Trichlorobenzene
Concen: 48.084 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

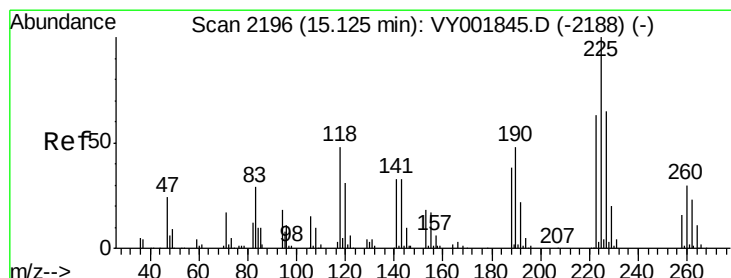
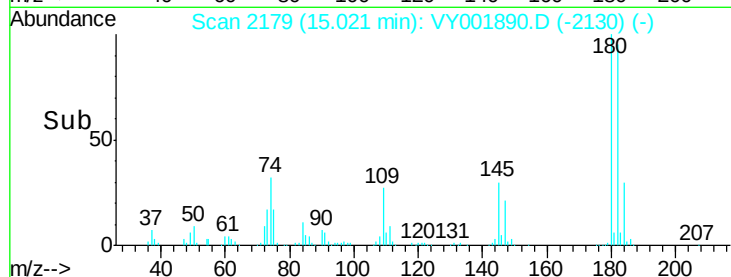
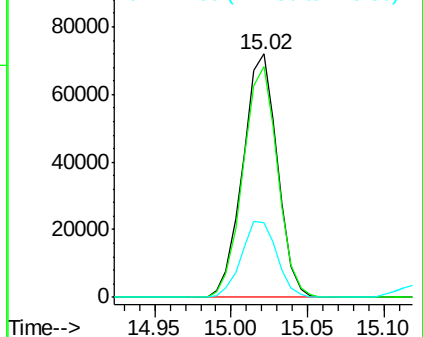
Tot Ion	Ratio	Resp	Lower	Upper
180	100	112916		
182	95.1	46.1	138.3	
145	31.9	15.6	46.8	

Manual Integrations
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MMDadoda
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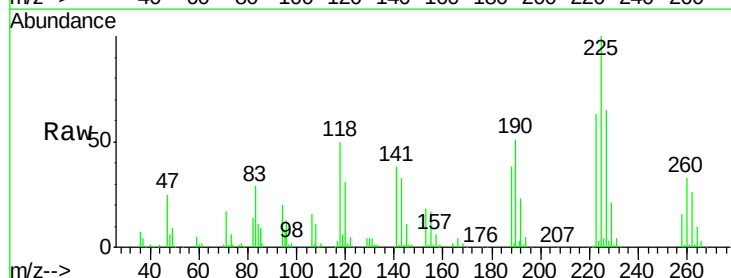


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

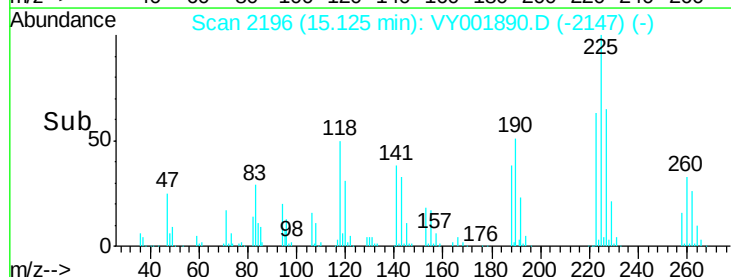
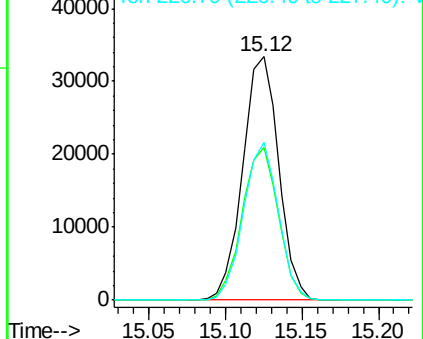


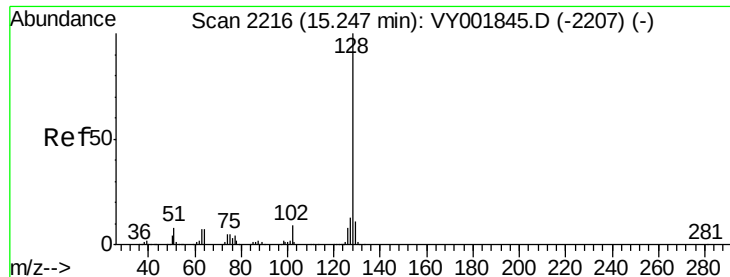
#94
Hexachlorobutadiene
Concen: 47.735 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54652		
223	62.9	31.5	94.5	
227	62.7	31.9	95.5	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





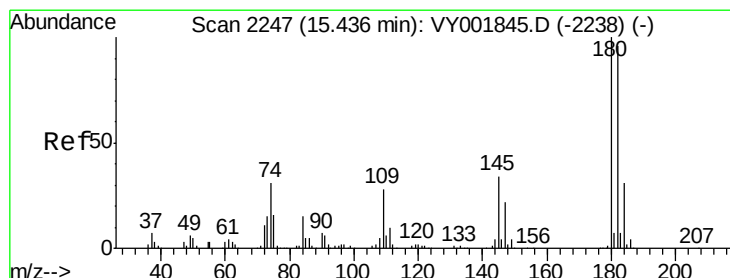
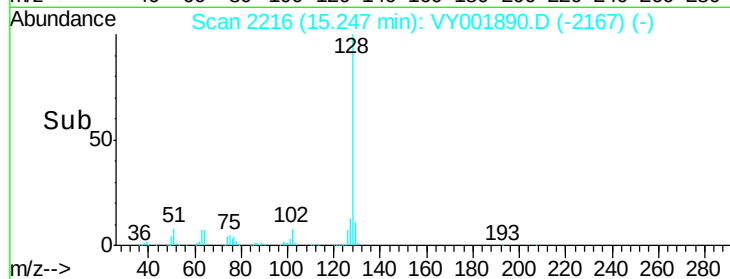
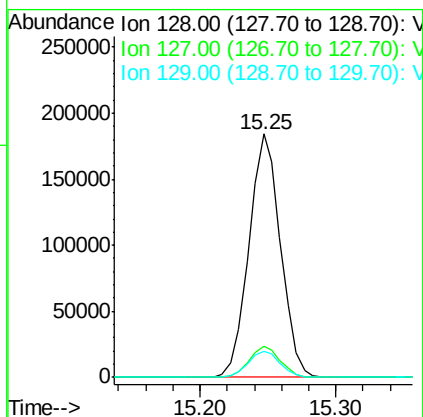
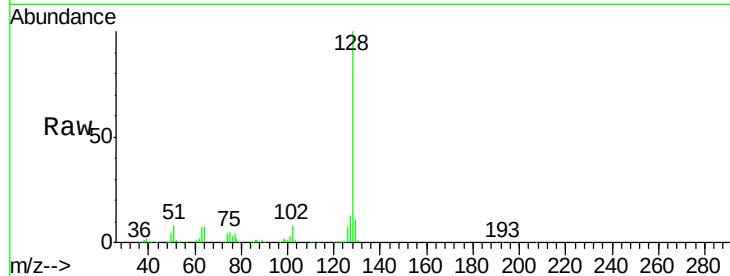
#95
Naphthalene
Concen: 53.677 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.488 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY001890.D
Acq: 05 Mar 2020 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	33.3	16.8	50.3

