

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002553.D
 Acq On : 04 May 2020 20:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:17 AM

Quant Time: May 05 08:40:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	393162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	601510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	548707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	280473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	168869	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.74	113	175545	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.19	98	668118	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.49	95	230437	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	159100	49.010	ug/l	96
3) Chloromethane	2.12	50	168600	52.930	ug/l	99
4) Vinyl Chloride	2.26	62	193794	52.689	ug/l	99
5) Bromomethane	2.66	94	135753	53.520	ug/l	100
6) Chloroethane	2.80	64	115334	52.516	ug/l	99
7) Trichlorofluoromethane	3.14	101	295032	51.756	ug/l	99
8) Diethyl Ether	3.55	74	108157	56.460	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	179900	51.636	ug/l	99
10) Methyl Iodide	4.11	142	268111	56.486	ug/l	99
11) Tert butyl alcohol	4.99	59	89847	264.172	ug/l	100
12) 1,1-Dichloroethene	3.89	96	178652	52.785	ug/l	99
13) Acrolein	3.76	56	59956	254.931	ug/l	97
14) Allyl chloride	4.51	41	271490	55.054	ug/l	100
15) Acrylonitrile	5.19	53	254765	282.013	ug/l	99
16) Acetone	3.97	43	189524	277.796	ug/l	97
17) Carbon Disulfide	4.21	76	556618	54.667	ug/l	100
18) Methyl Acetate	4.51	43	126442	55.468	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	495961	56.166	ug/l	96
20) Methylene Chloride	4.74	84	211505	55.438	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	201817	54.556	ug/l	94
22) Diisopropyl ether	6.14	45	555500	55.673	ug/l	97
23) Vinyl Acetate	6.08	43	1777823	283.315	ug/l	99
24) 1,1-Dichloroethane	6.04	63	322676	54.664	ug/l	99
25) 2-Butanone	7.00	43	318270	284.988	ug/l	97
26) 2,2-Dichloropropane	7.00	77	270282	48.171	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	224628	54.879	ug/l	99
28) Bromochloromethane	7.36	49	134812	55.741	ug/l	98
29) Tetrahydrofuran	7.36	42	212835	288.049	ug/l	99
30) Chloroform	7.53	83	333010	54.257	ug/l	98
31) Cyclohexane	7.80	56	296048	49.825	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	299230	52.452	ug/l	100
36) 1,1-Dichloropropene	7.94	75	258699	51.303	ug/l	100
37) Ethyl Acetate	7.10	43	139551	53.855	ug/l	99
38) Carbon Tetrachloride	7.92	117	279672	50.801	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	333671	50.099	ug/l	99
40) Benzene	8.18	78	771786	52.993	ug/l	99
41) Methacrylonitrile	7.35	41	84104m	60.366	ug/l	
42) 1,2-Dichloroethane	8.25	62	217273	53.186	ug/l	99
43) Isopropyl Acetate	8.29	43	269954	55.571	ug/l	99
44) Trichloroethene	8.95	130	242872	53.362	ug/l	96
45) 1,2-Dichloropropane	9.23	63	188747	53.699	ug/l	99
46) Dibromomethane	9.32	93	110373	54.577	ug/l	99
47) Bromodichloromethane	9.51	83	264099	53.707	ug/l	99
48) Methyl methacrylate	9.30	41	122814	55.863	ug/l	98
49) 1,4-Dioxane	9.31	88	31007	1157.993	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	702789	280.677	ug/l	99
52) Toluene	10.25	92	497347	53.136	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	277396	53.840	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	315908	53.038	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	157883	53.535	ug/l	99
56) Ethyl methacrylate	10.52	69	221186	56.378	ug/l	98
57) 1,3-Dichloropropane	10.80	76	270731	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	558568	269.976	ug/l	99
59) 2-Hexanone	10.84	43	488576	283.502	ug/l	100
60) Dibromochloromethane	10.99	129	203862	54.350	ug/l	99
61) 1,2-Dibromoethane	11.10	107	160286	54.890	ug/l	99
64) Tetrachloroethene	10.73	164	264240	54.200	ug/l	99
65) Chlorobenzene	11.52	112	545396	52.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	206989	53.458	ug/l	99
67) Ethyl Benzene	11.60	91	946974	51.683	ug/l	100
68) m/p-Xylenes	11.71	106	726906	102.534	ug/l	99
69) o-Xylene	12.03	106	348939	52.567	ug/l	98
70) Styrene	12.05	104	604749	53.292	ug/l	99
71) Bromoform	12.22	173	131530	54.731	ug/l	100
73) Isopropylbenzene	12.34	105	923707	50.816	ug/l	100
74) N-amyl acetate	12.15	43	243206	55.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	149667	51.773	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	133722m	53.650	ug/l	
77) Bromobenzene	12.61	156	238551	52.528	ug/l	99
78) n-propylbenzene	12.67	91	1063079	50.396	ug/l	100
79) 2-Chlorotoluene	12.77	91	602526	51.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	771949	51.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	64610	51.979	ug/l	99
82) 4-Chlorotoluene	12.86	91	630468	51.366	ug/l	99
83) tert-Butylbenzene	13.08	119	671644	50.837	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	767678	51.122	ug/l	100
85) sec-Butylbenzene	13.26	105	911504	49.720	ug/l	100
86) p-Isopropyltoluene	13.38	119	857863	49.941	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	437939	50.950	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	438715	51.546	ug/l	100
89) n-Butylbenzene	13.70	91	768363	49.135	ug/l	100
90) Hexachloroethane	13.97	117	161186	51.526	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	398802	51.997	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29428	54.610	ug/l	99

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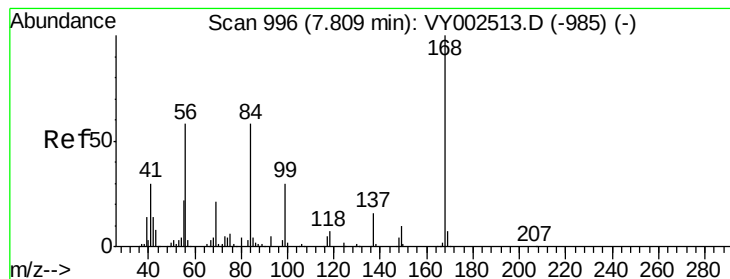
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	277991	49.924	ug/l	100
94) Hexachlorobutadiene	15.12	225	163965	49.056	ug/l	99
95) Naphthalene	15.25	128	556379	54.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	242158	51.228	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 393162

Ion Ratio Lower Upper

168 100

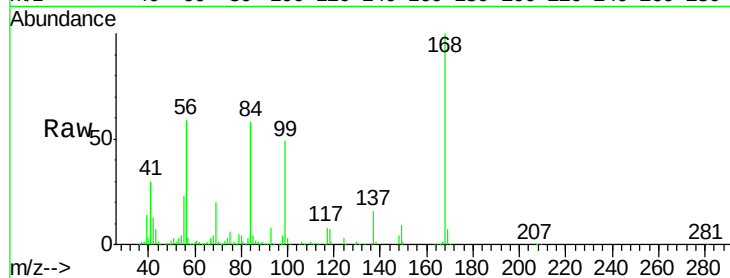
99 48.8 39.2 58.8

Manual Integrations

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5/5/2020 11:29:17 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002553.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002553.D (-947) (-)

7.81

200000

150000

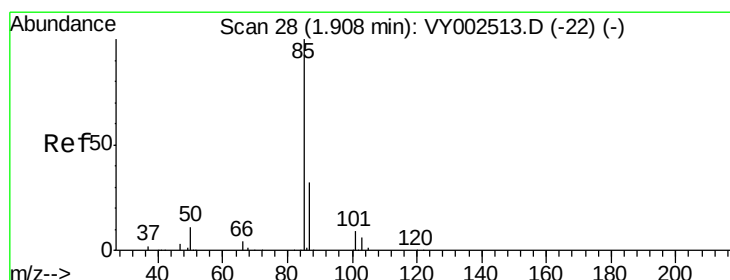
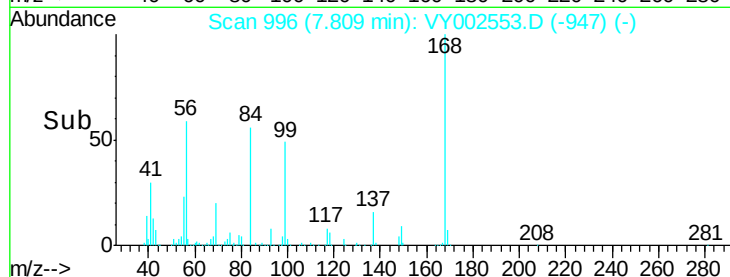
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.010 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002553.D

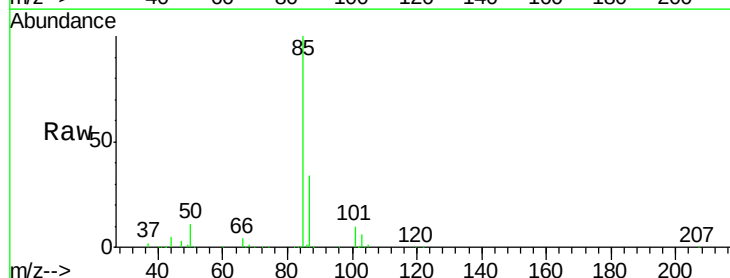
Acq: 04 May 2020 20:07

Tgt Ion: 85 Resp: 159100

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002553.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002553.D (-1) (-)

1.91

120000

100000

80000

60000

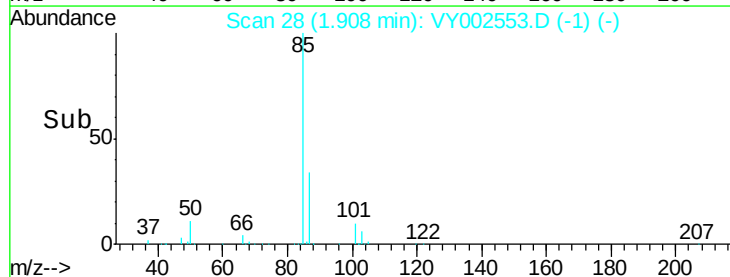
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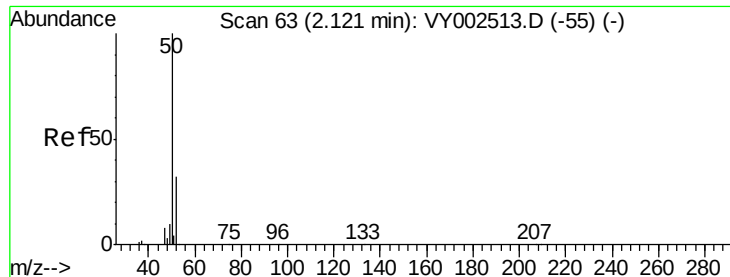
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.930 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 168600

Ion Ratio Lower Upper

50 100

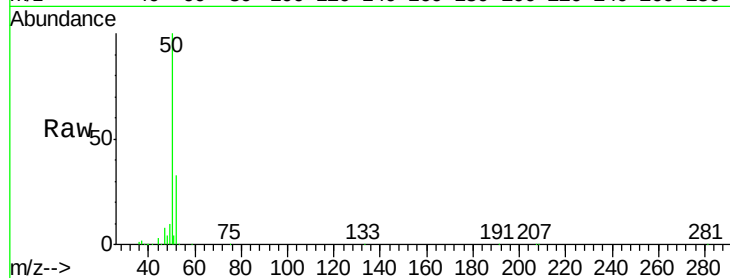
52 32.8 25.9 38.9

Manual Integrations

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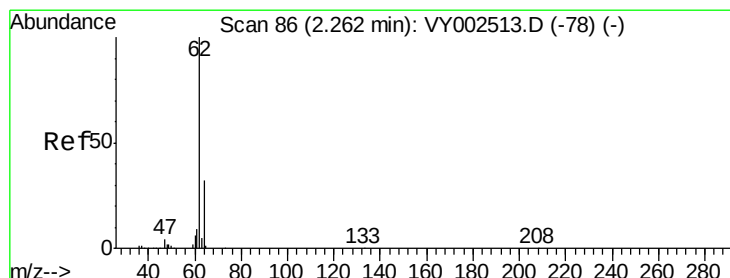
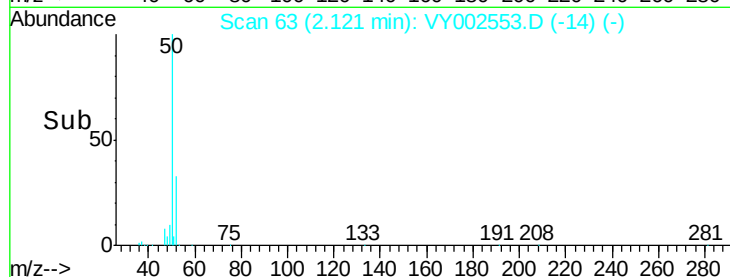
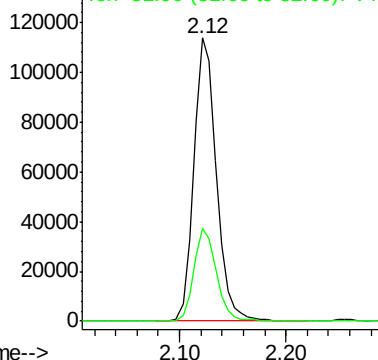
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.689 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002553.D

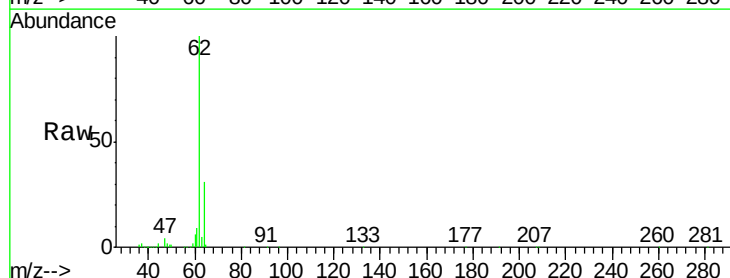
Acq: 04 May 2020 20:07

Tgt Ion: 62 Resp: 193794

Ion Ratio Lower Upper

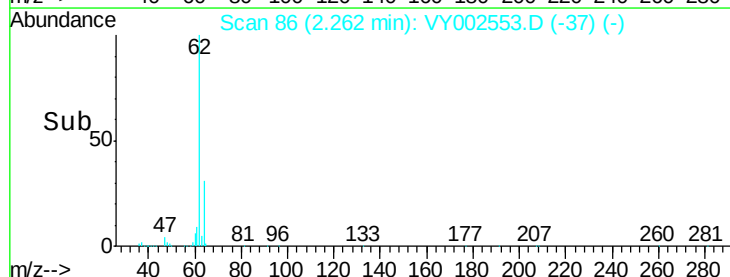
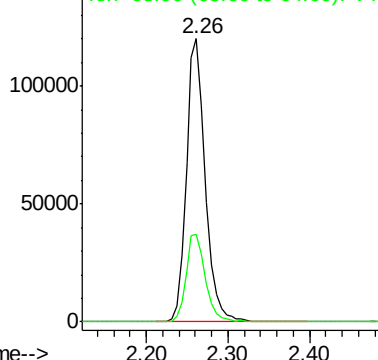
62 100

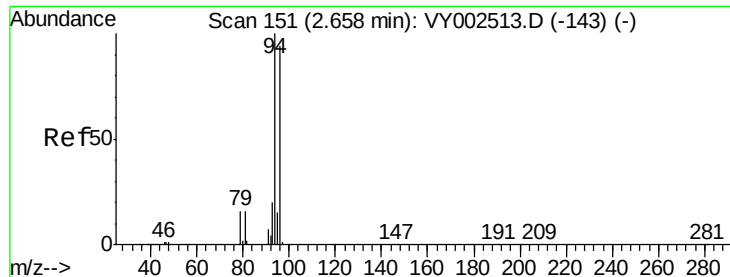
64 31.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 53.520 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 135753

Ion Ratio Lower Upper

94 100

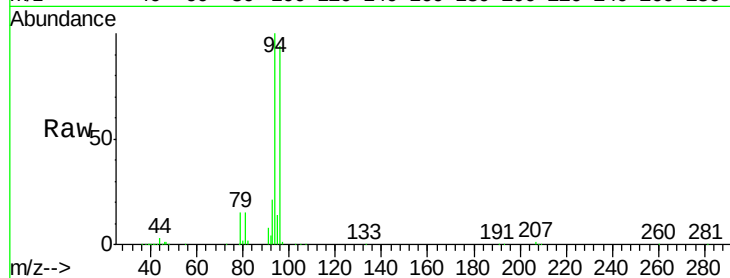
96 93.9 74.9 112.3

Manual Integrations

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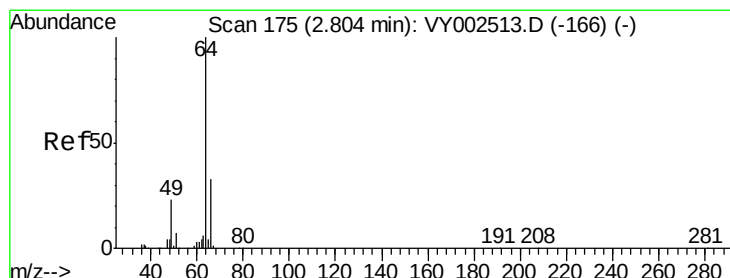
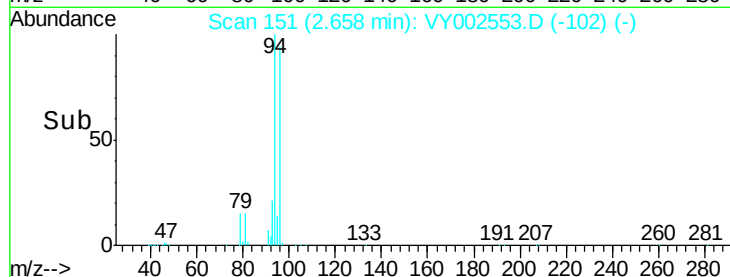
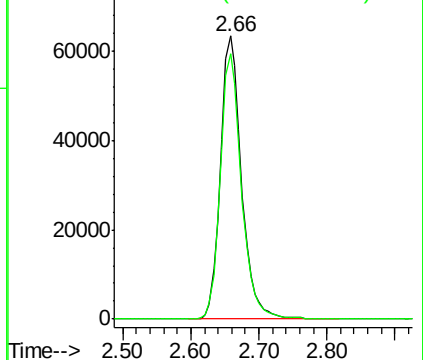
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.516 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002553.D

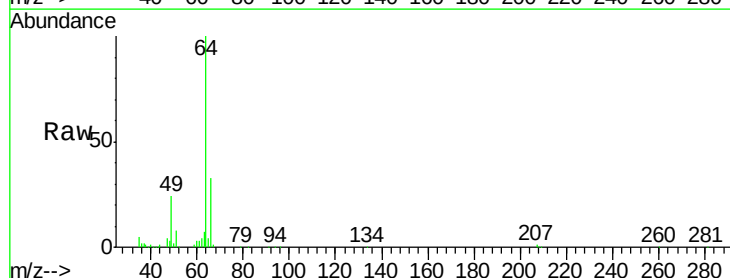
Acq: 04 May 2020 20:07

Tgt Ion: 64 Resp: 115334

Ion Ratio Lower Upper

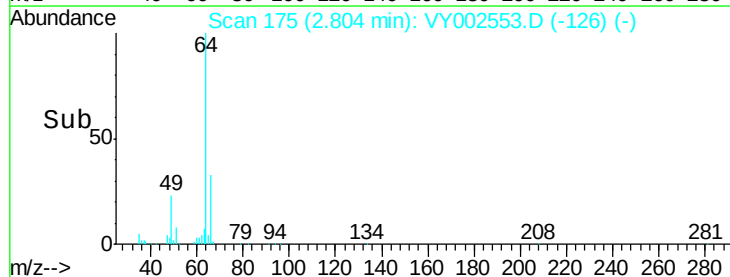
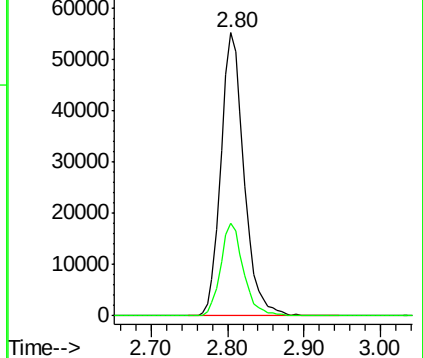
64 100

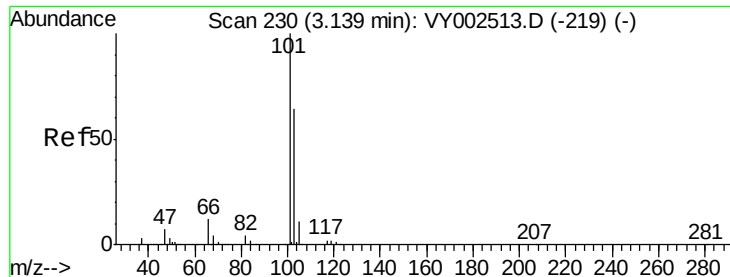
66 32.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

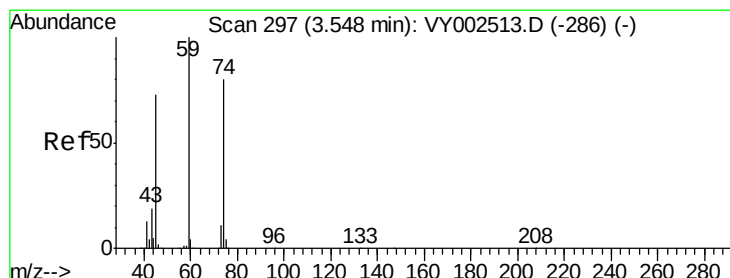
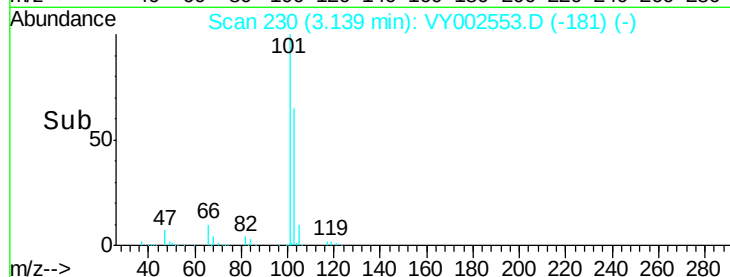
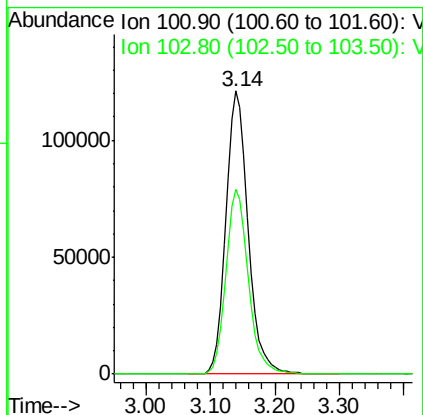
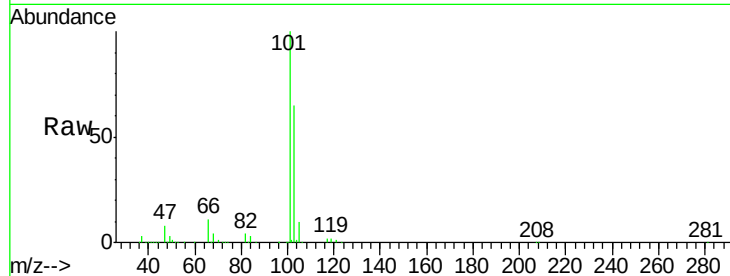
Trichlorofluoromethane
 Concen: 51.756 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	295032		
103	65.2	51.4	77.0	

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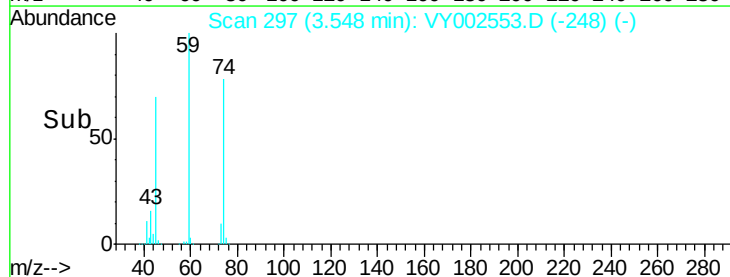
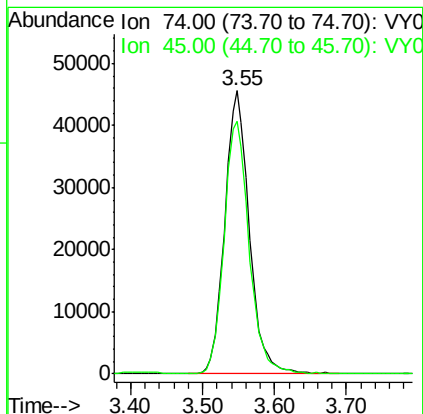
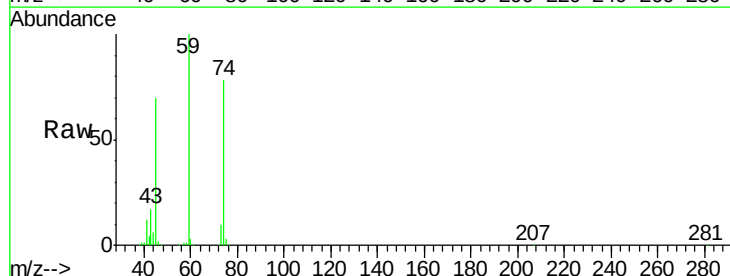
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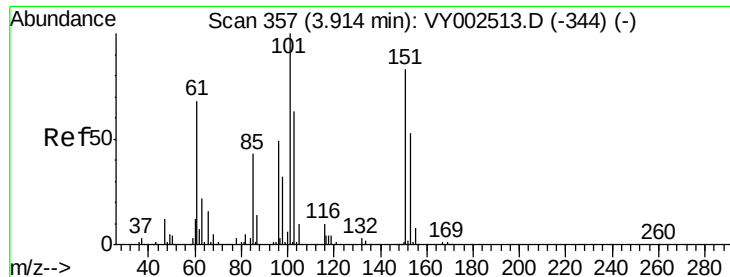


#8

Diethyl Ether
 Concen: 56.460 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	108157		
45	91.5	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.636 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

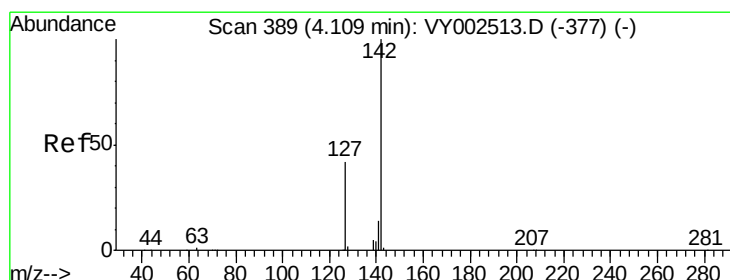
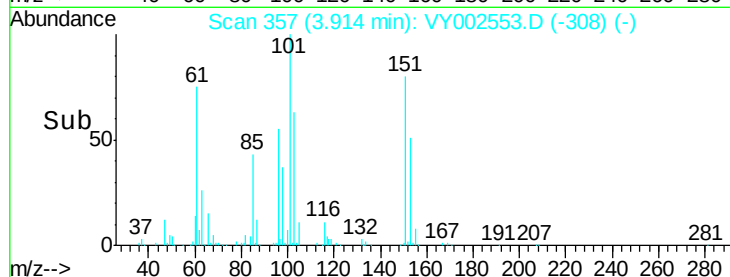
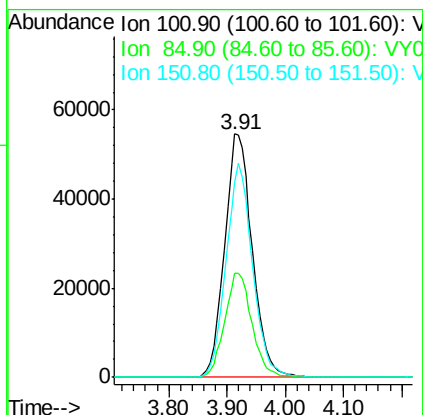
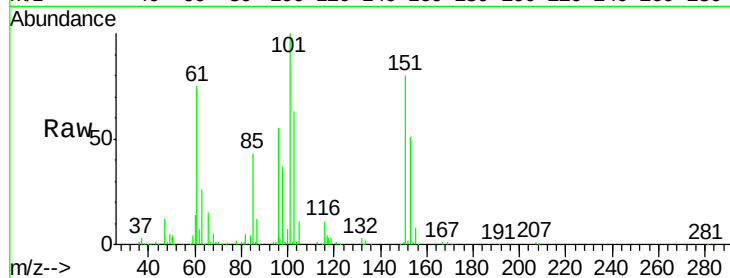
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	179900
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.2
151	84.3	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 56.486 ug/l

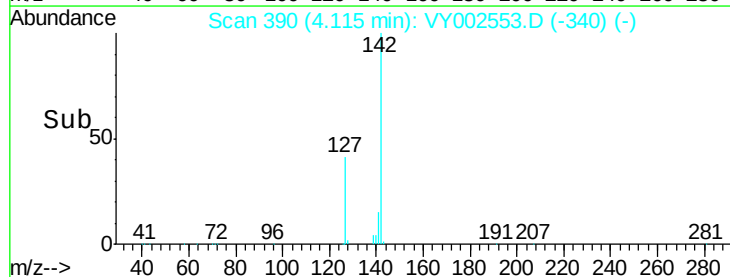
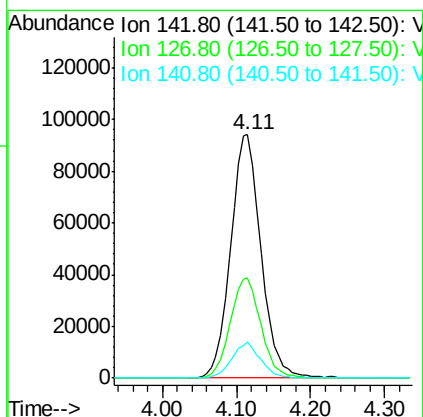
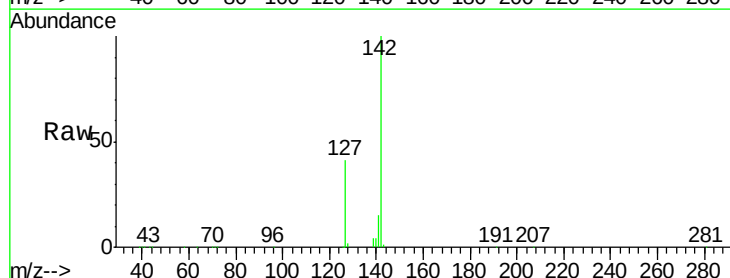
RT: 4.11 min Scan# 390

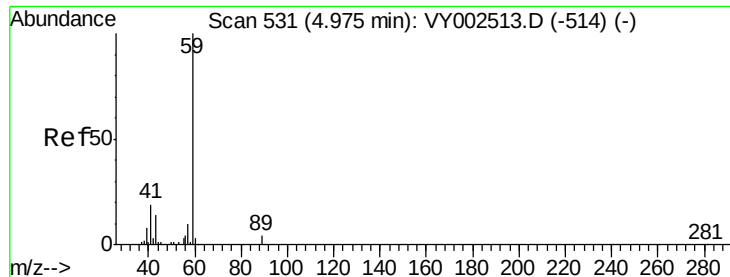
Delta R.T. 0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	142	Resp:	268111
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.7	50.5
141	14.1	11.4	17.0





#11

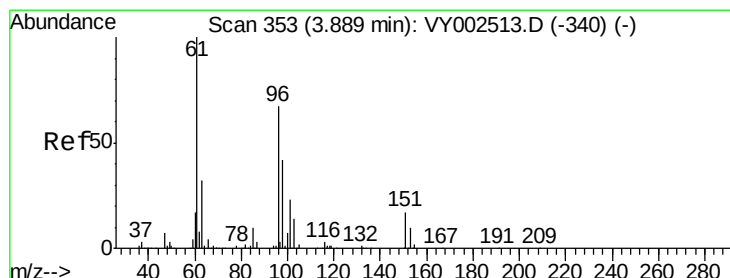
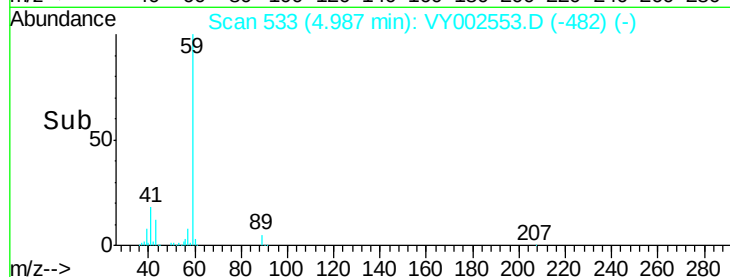
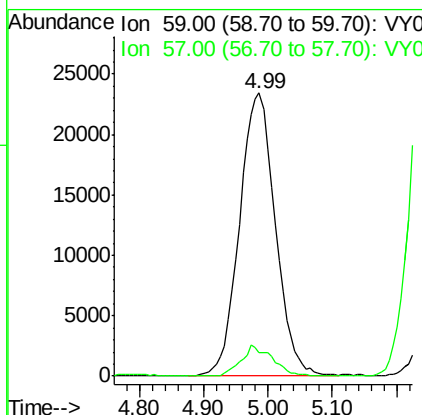
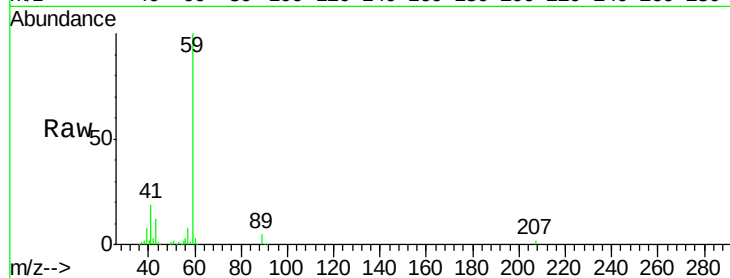
Tert butyl alcohol
Concen: 264.172 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.6

Manual Integrations
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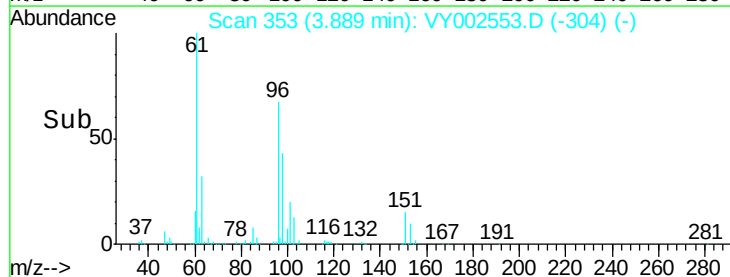
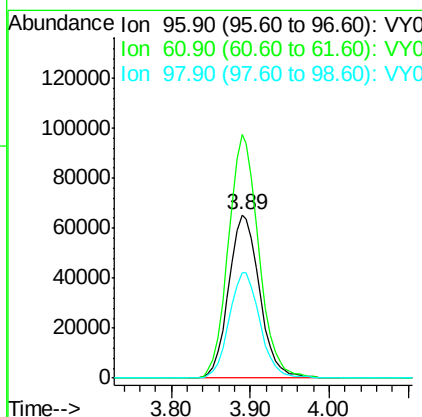
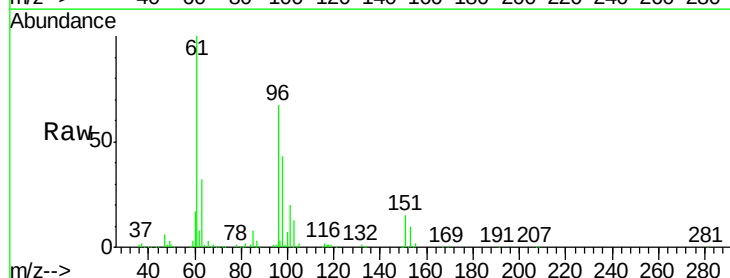
MMDadoda
5/5/2020 11:29:17 AM

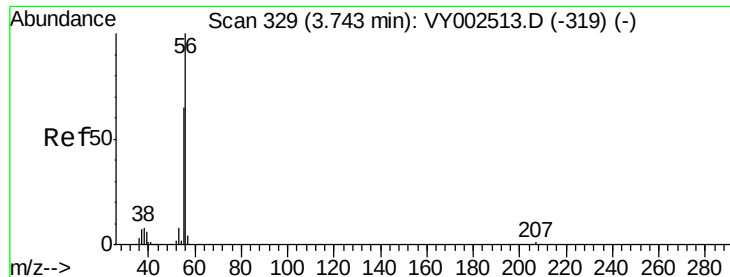


#12

1,1-Dichloroethene
Concen: 52.785 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	118.8	178.2
98	64.5	49.6	74.4





#13

Acrolein

Concen: 254.931 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59956

Ion Ratio Lower Upper

56 100

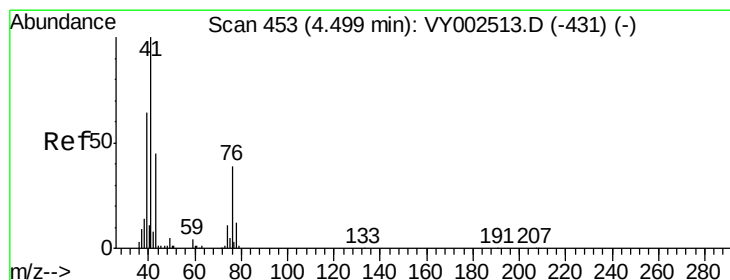
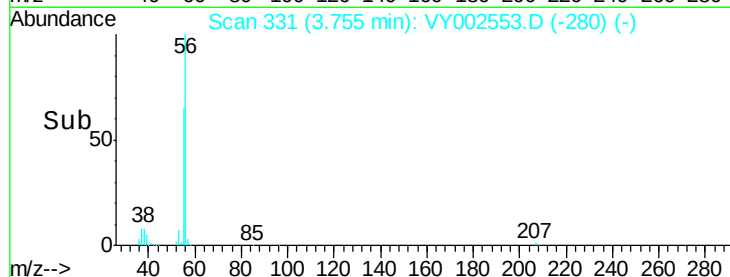
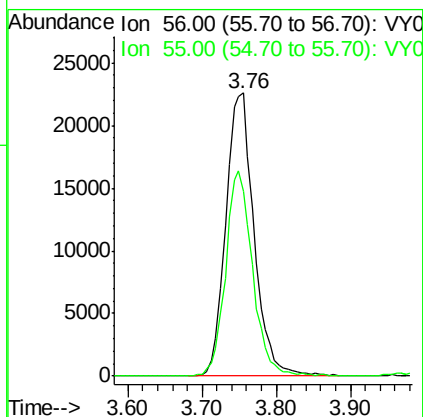
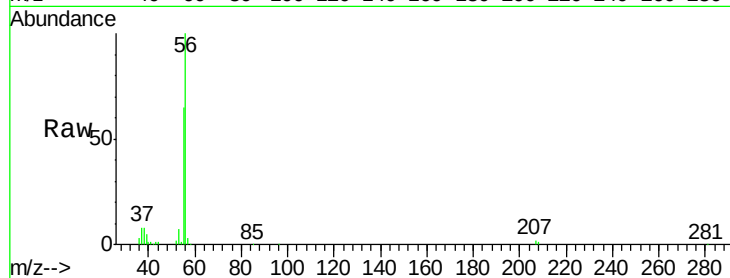
55 69.2 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 55.054 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

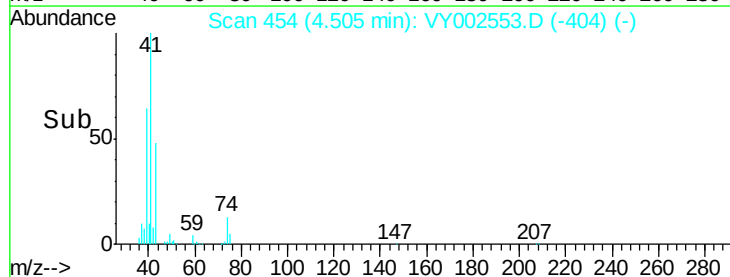
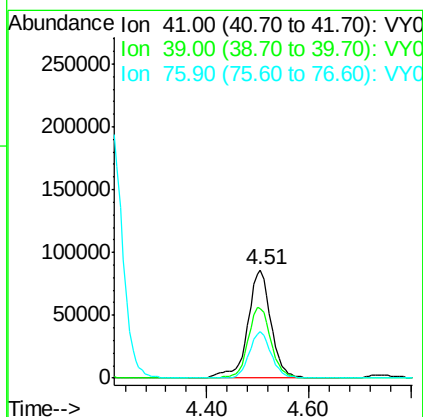
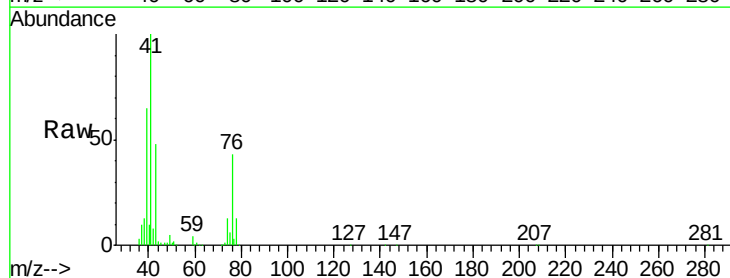
Tgt Ion: 41 Resp: 271490

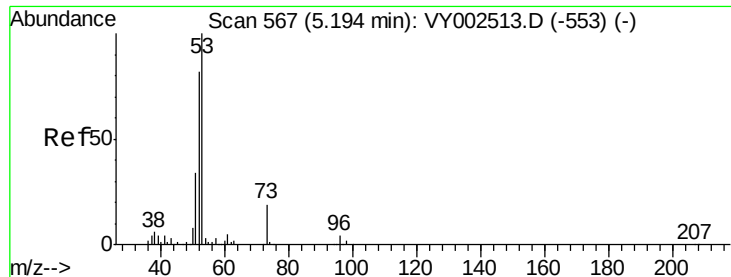
Ion Ratio Lower Upper

41 100

39 64.6 51.8 77.6

76 40.2 31.7 47.5





#15

Acrylonitrile

Concen: 282.013 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

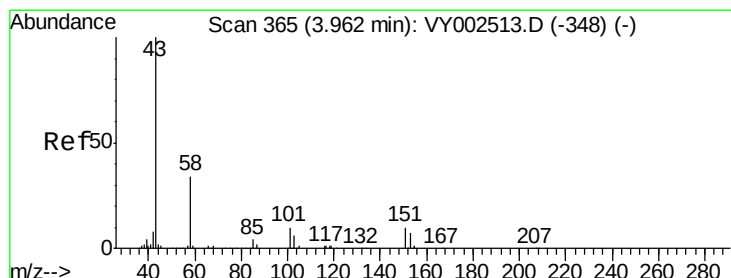
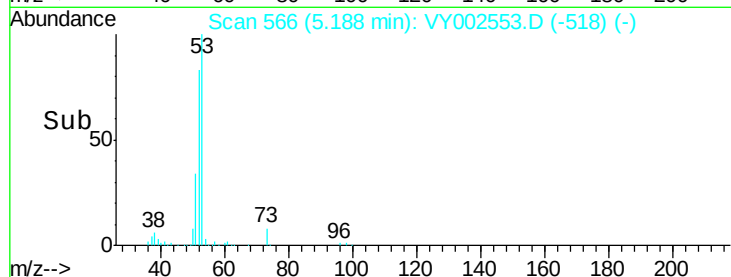
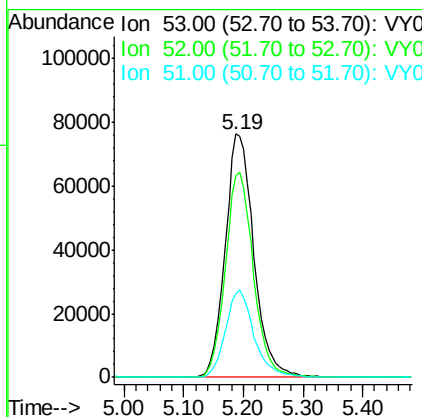
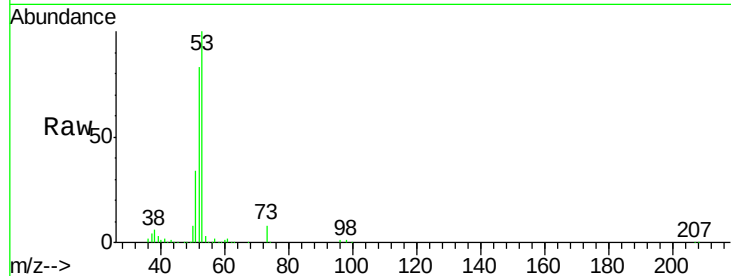
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	254765
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 277.796 ug/l

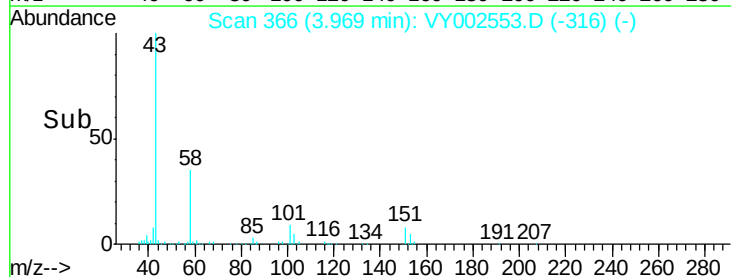
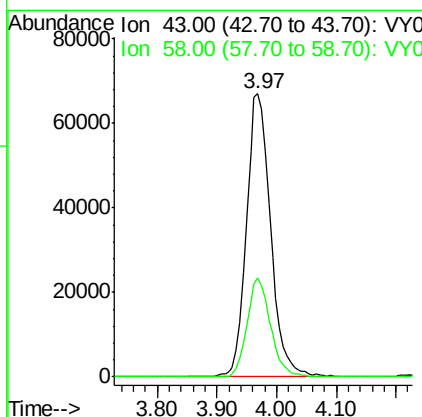
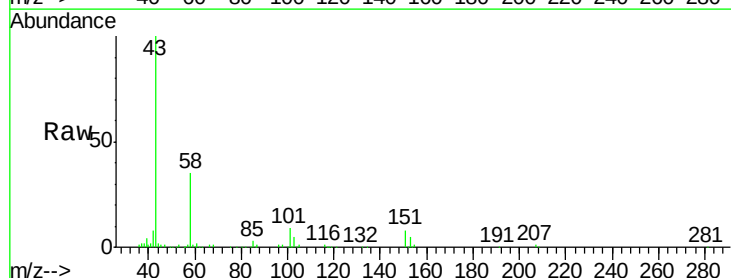
RT: 3.97 min Scan# 366

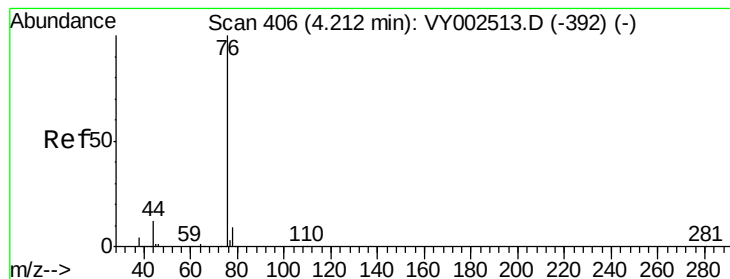
Delta R.T. 0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	43	Resp:	189524
Ion	Ratio	Lower	Upper
43	100		
58	35.1	26.9	40.3





#17

Carbon Disulfide

Concen: 54.667 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 556618

Ion Ratio Lower Upper

76 100

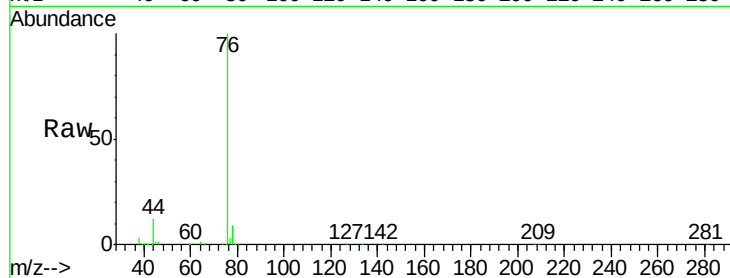
78 9.3 7.4 11.2

Manual Integrations

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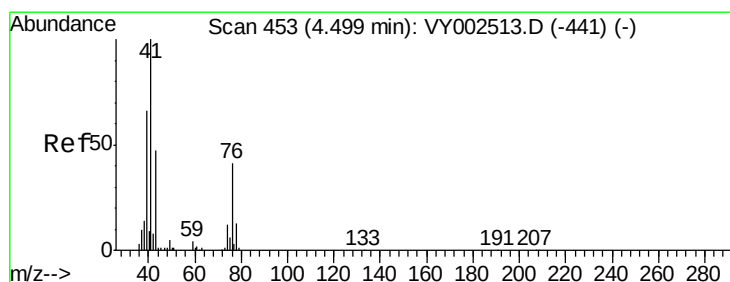
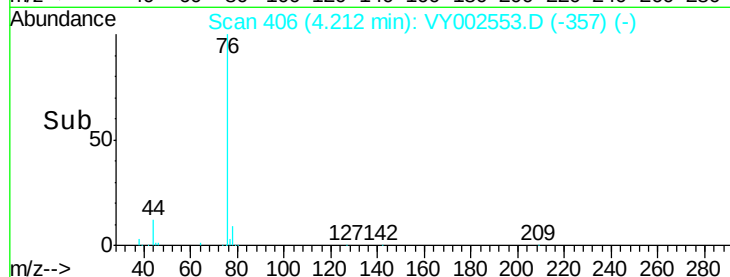
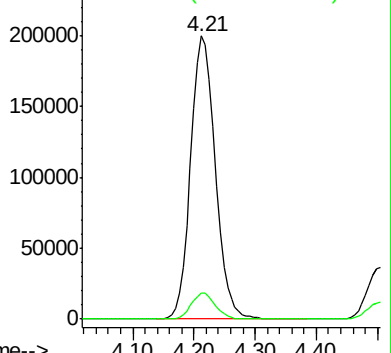
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 55.468 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002553.D

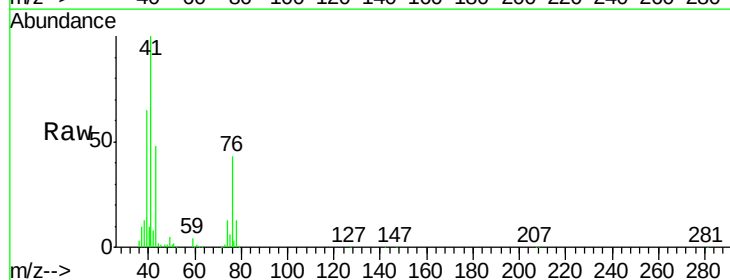
Acq: 04 May 2020 20:07

Tgt Ion: 43 Resp: 126442

Ion Ratio Lower Upper

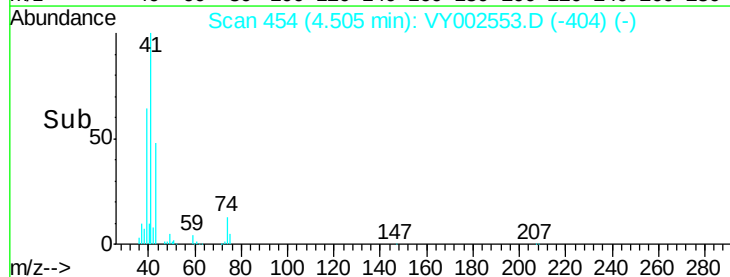
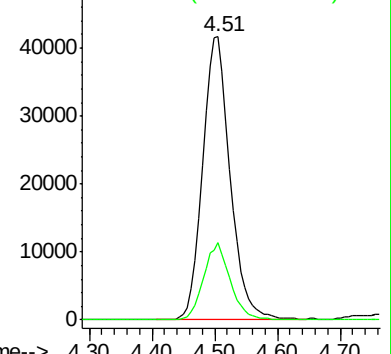
43 100

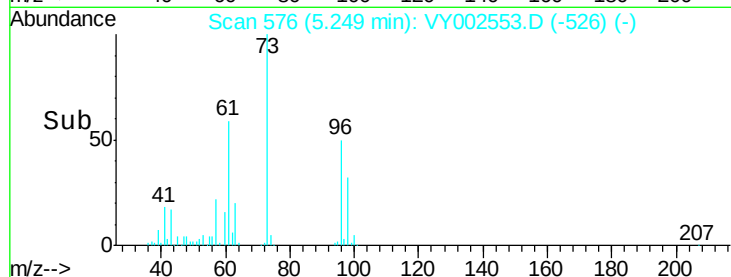
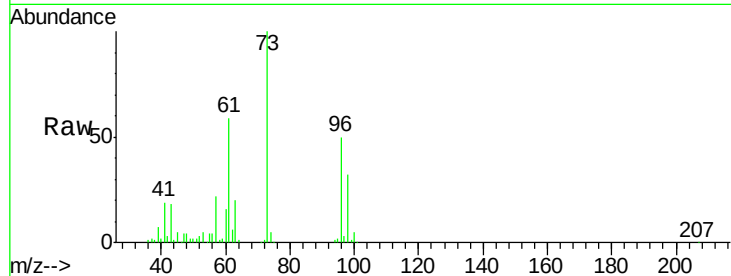
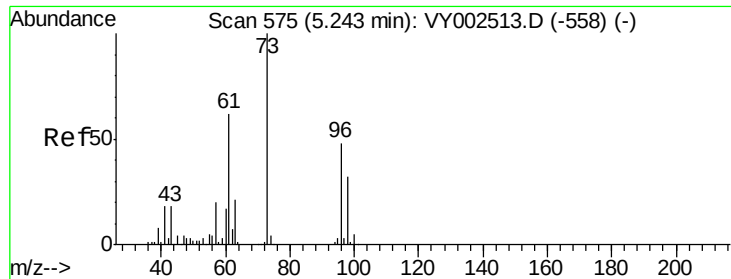
74 26.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





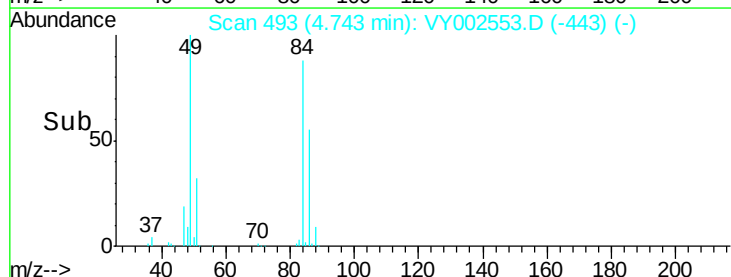
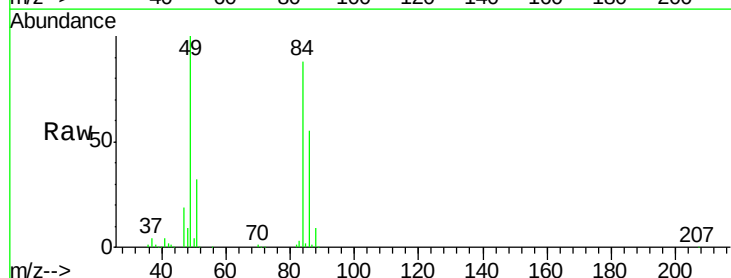
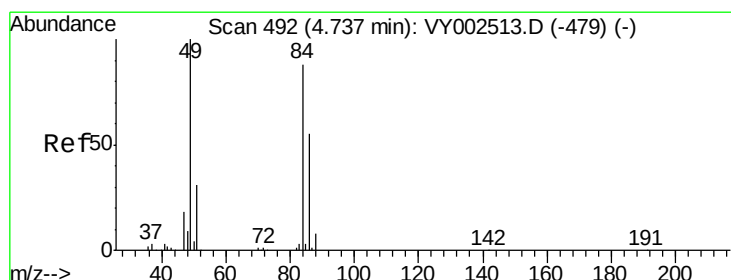
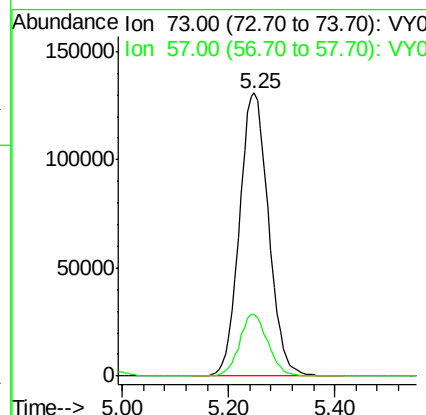
#19
Methyl tert-butyl Ether
Concen: 56.166 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tot Ion: 73 Resp: 495961
Ion Ratio Lower Upper
73 100
57 22.1 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

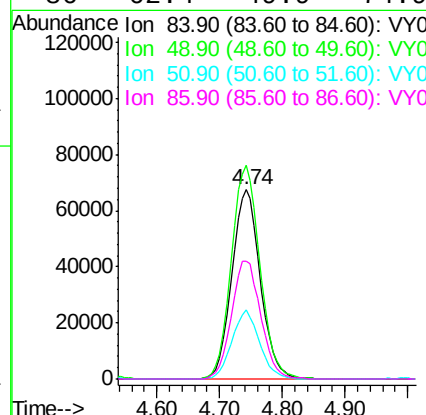
Manual Integrations
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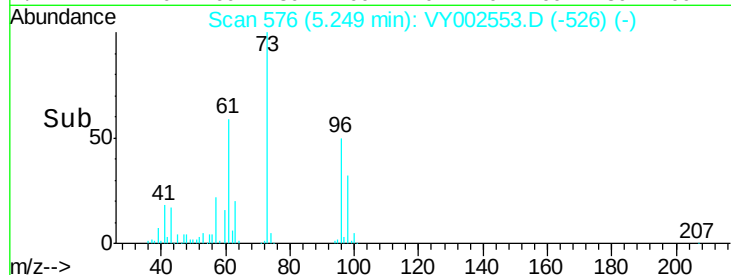
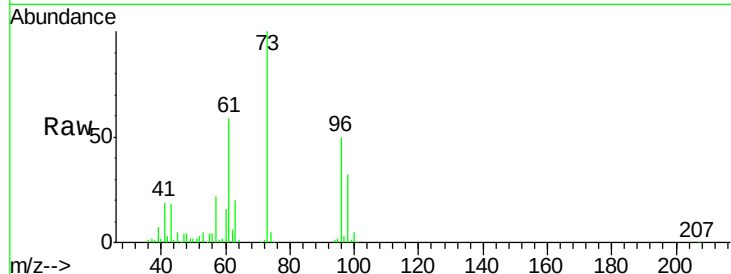
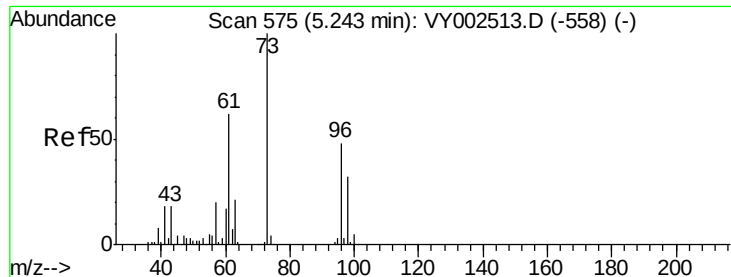
MMDadoda
5/5/2020 11:29:17 AM



#20
Methylene Chloride
Concen: 55.438 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion: 84 Resp: 211505
Ion Ratio Lower Upper
84 100
49 113.0 90.5 135.7
51 36.3 28.3 42.5
86 62.4 49.9 74.9





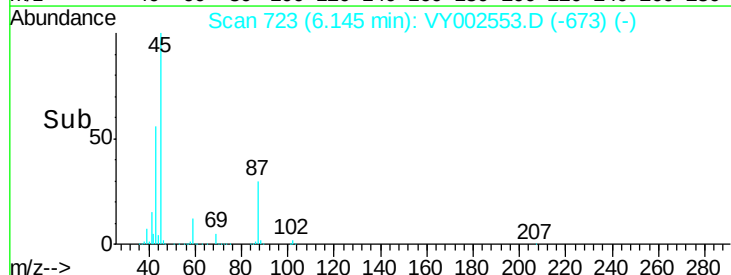
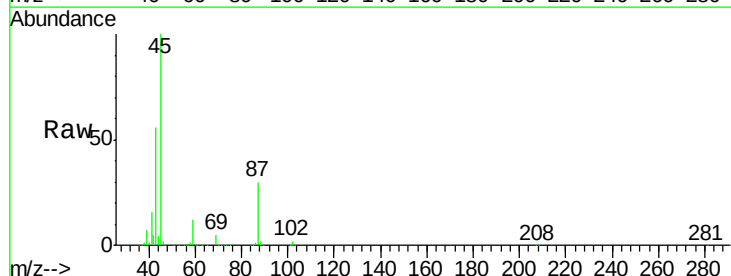
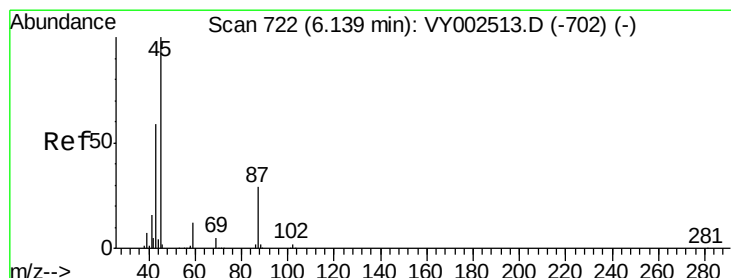
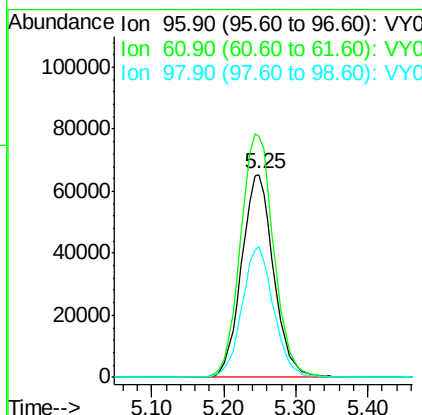
#21
trans-1,2-Dichloroethene
Concen: 54.556 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tot Ion	Ratio	Resp	Lower	Upper
96	100	201817		
61	118.3	102.0	153.0	
98	64.5	53.0	79.4	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

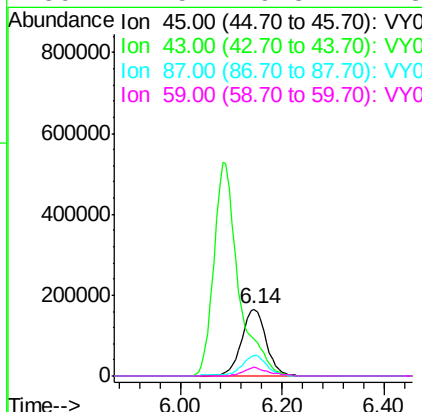
Manual Integrations
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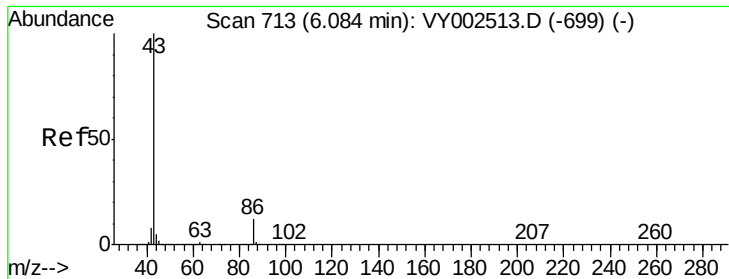
MMDadoda
5/5/2020 11:29:17 AM



#22
Diisopropyl ether
Concen: 55.673 ug/l
RT: 6.14 min Scan# 723
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	555500		
43	56.1	47.4	71.0	
87	30.3	24.0	36.0	
59	12.5	9.8	14.8	





#23

Vinyl Acetate

Concen: 283.315 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1777823

Ion Ratio Lower Upper

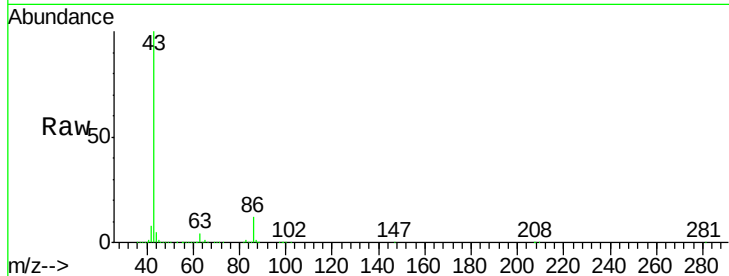
43 100

86 11.8 9.8 14.6

Manual Integrations
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MMDadoda

5/5/2020 11:29:17 AM

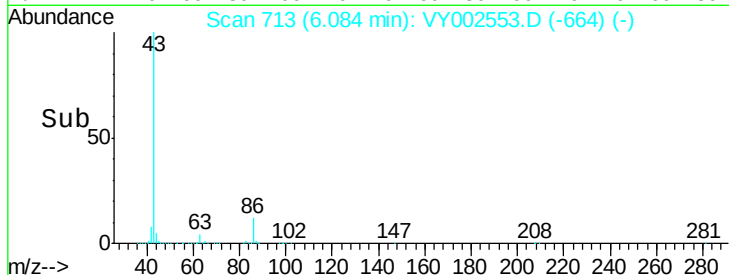


Abundance Ion 43.00 (42.70 to 43.70): VY0

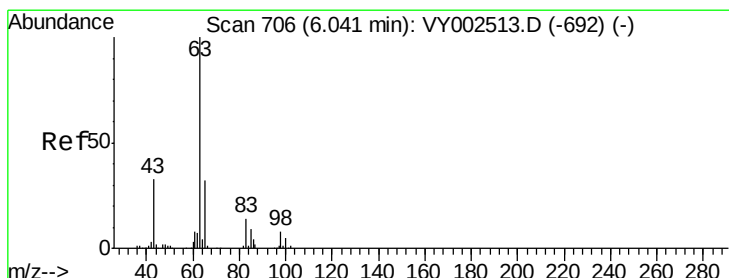
Ion 86.00 (85.70 to 86.70): VY0

6.08

6.00 6.20



Time-->



#24

1,1-Dichloroethane

Concen: 54.664 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

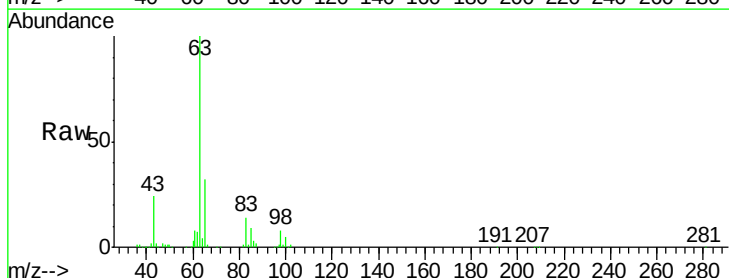
Tgt Ion: 63 Resp: 322676

Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 4.5 2.4 7.2



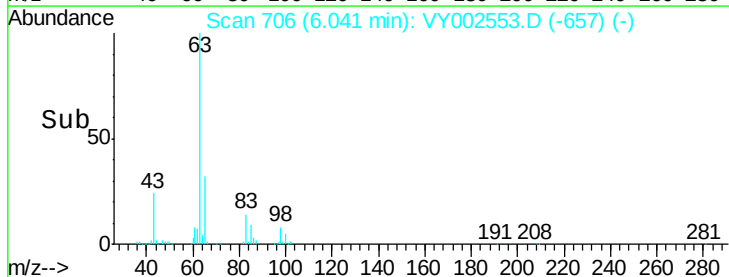
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

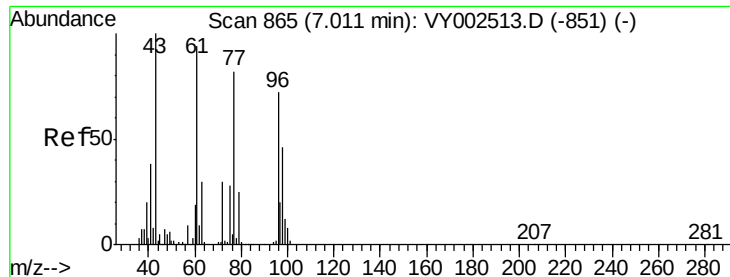
Ion 99.90 (99.60 to 100.60): VY0

6.04

5.90 6.00 6.10 6.20



Time-->



#25

2-Butanone

Concen: 284.988 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 318270

Ion Ratio Lower Upper

43 100

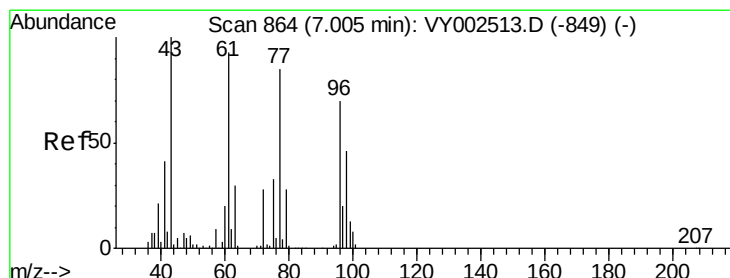
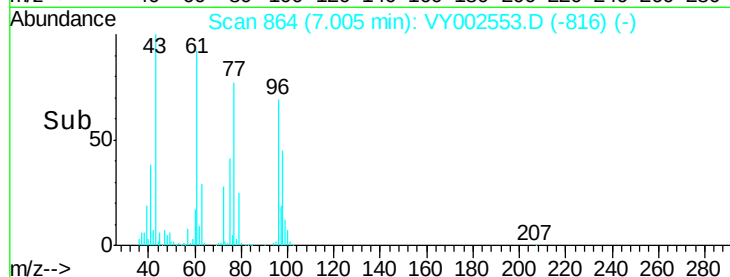
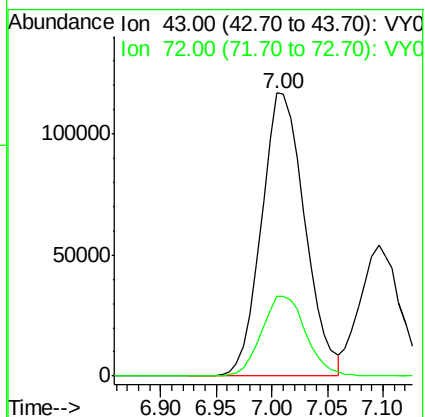
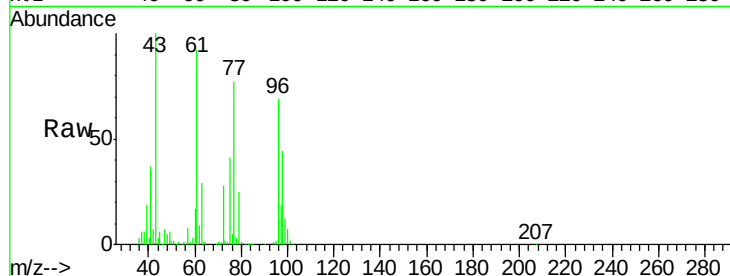
72 28.3 24.1 36.1

Manual Integrations

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MMDadoda

5/5/2020 11:29:17 AM



#26

2,2-Dichloropropane

Concen: 48.171 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002553.D

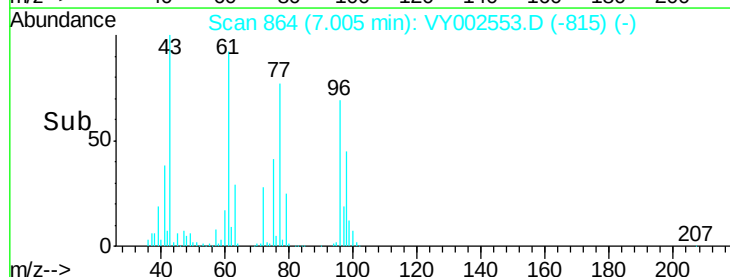
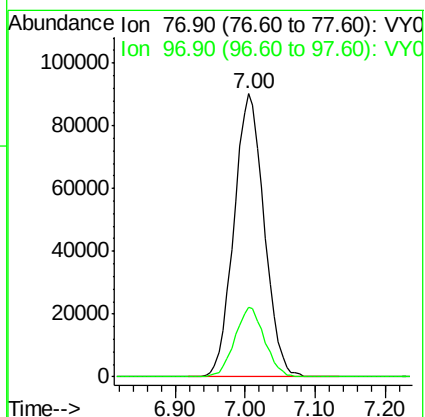
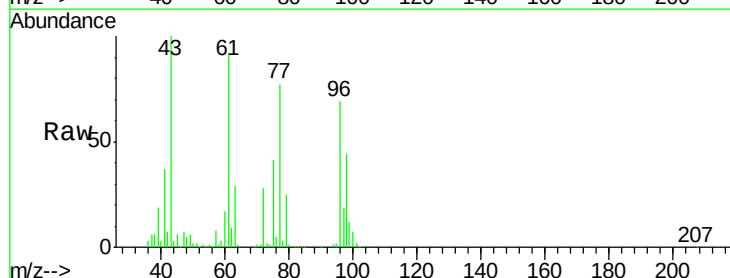
Acq: 04 May 2020 20:07

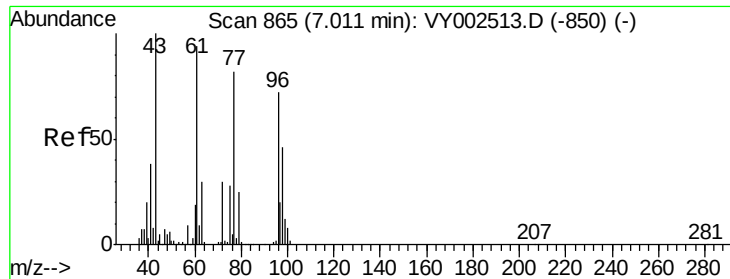
Tgt Ion: 77 Resp: 270282

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.5





#27

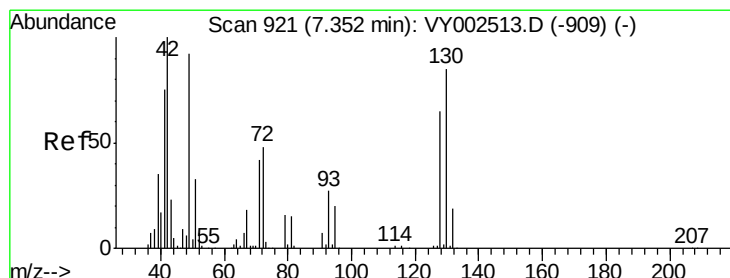
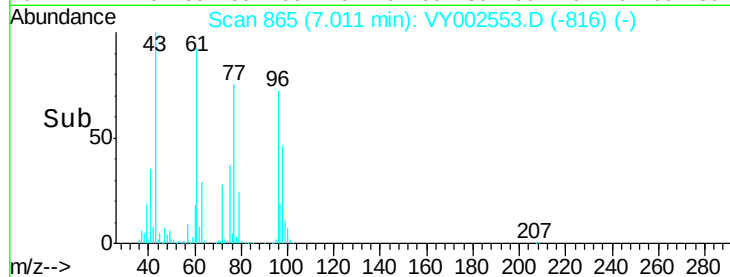
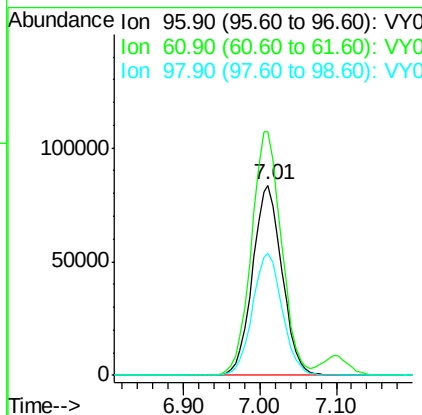
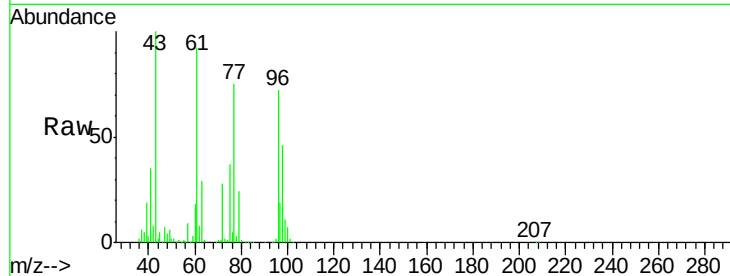
cis-1,2-Dichloroethene
 Concen: 54.879 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.0	0.0	266.6	
98	64.9	0.0	129.2	

Manual Integrations
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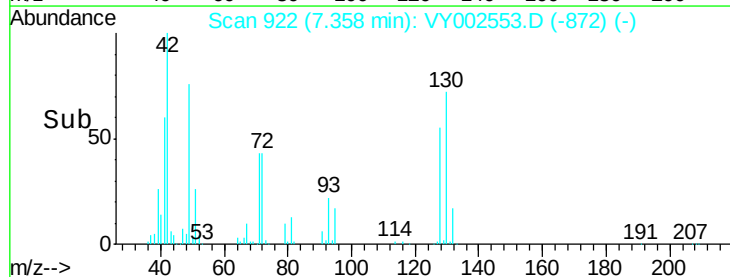
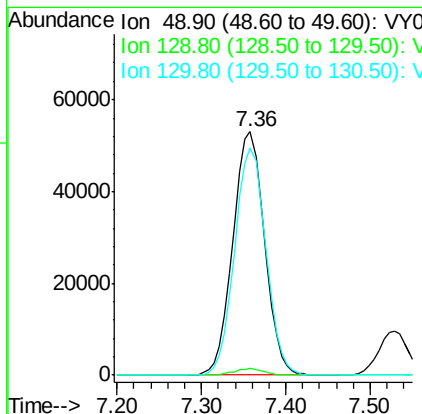
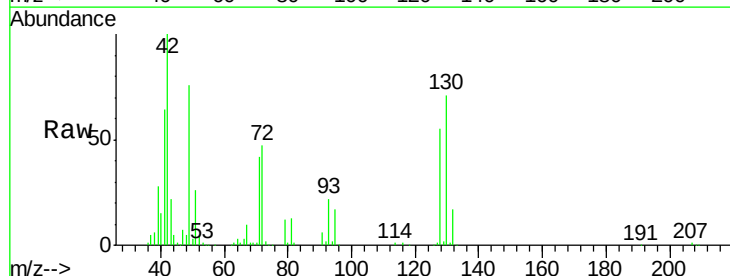
MMDadoda
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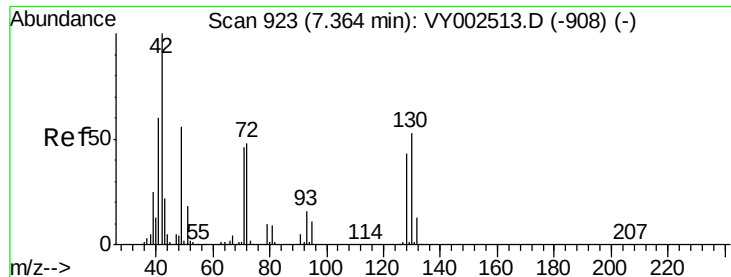


#28

Bromochloromethane
 Concen: 55.741 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.8	
130	92.1	72.5	108.7	





#29

Tetrahydrofuran

Concen: 288.049 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

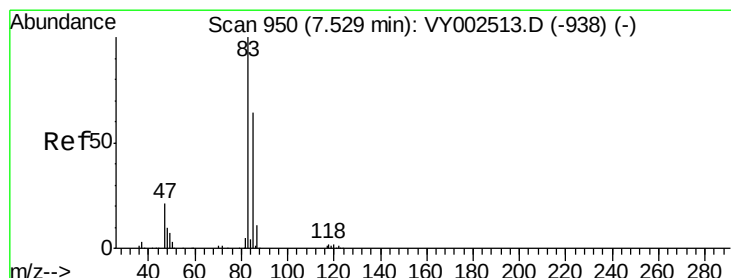
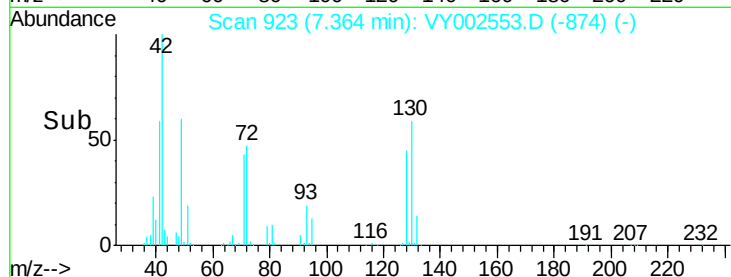
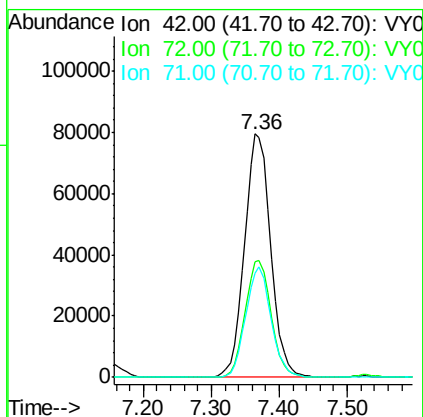
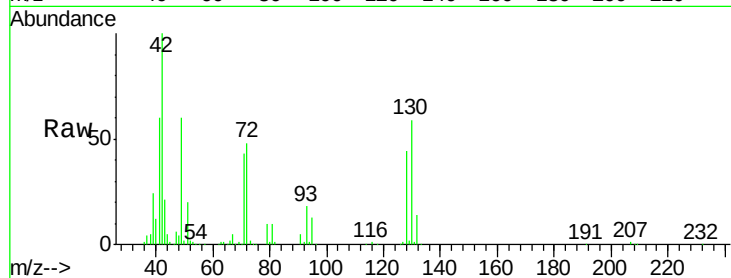
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	212835
Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.4	56.2
71	44.0	35.0	52.4

Manual Integrations
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#30

Chloroform

Concen: 54.257 ug/l

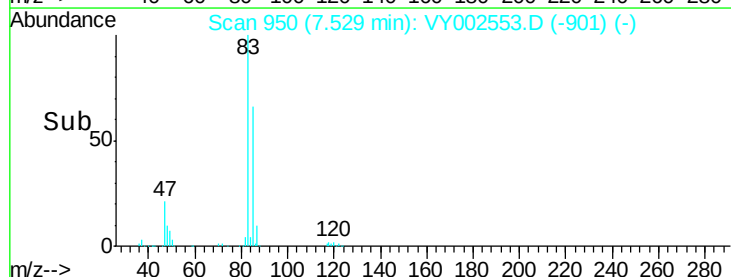
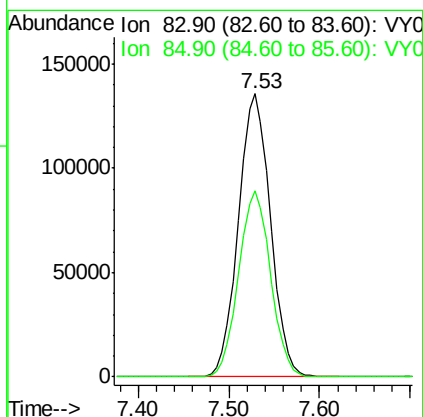
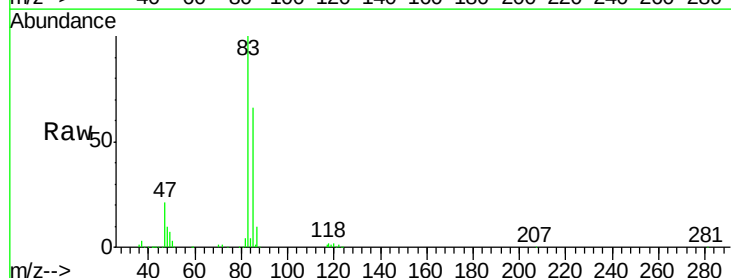
RT: 7.53 min Scan# 950

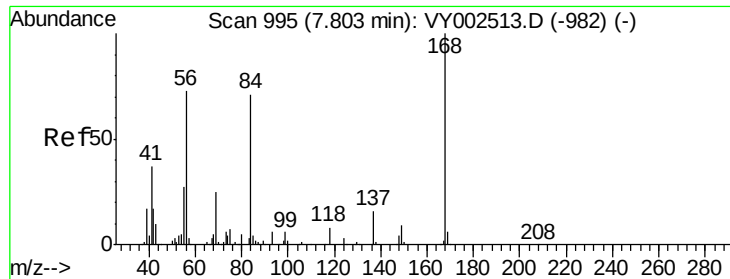
Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	83	Resp:	333010
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





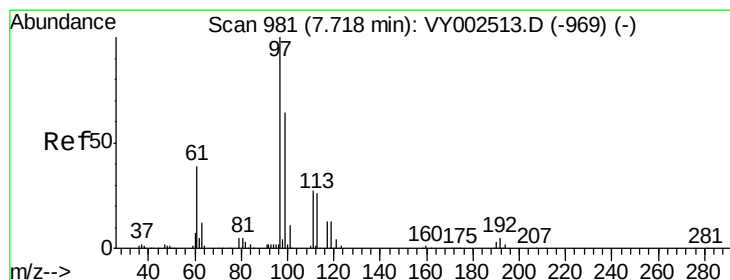
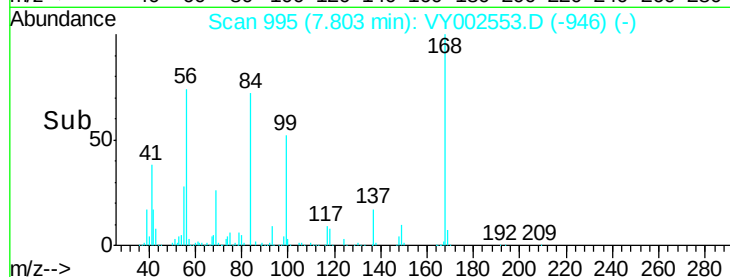
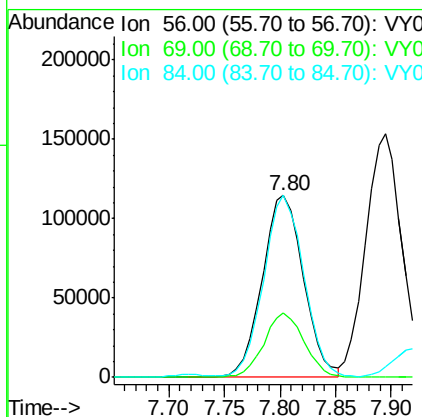
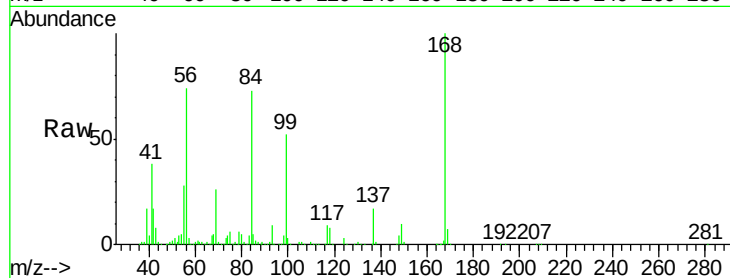
#31
Cyclohexane
Concen: 49.825 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.6	27.6	41.4	
84	98.3	77.7	116.5	

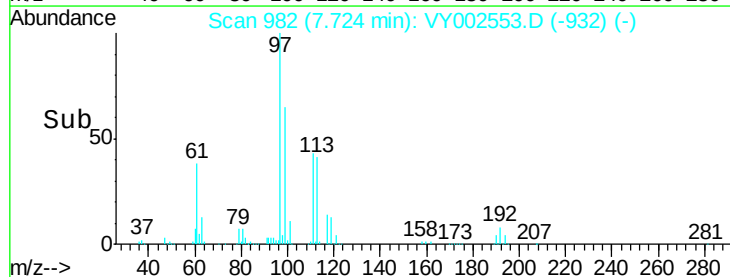
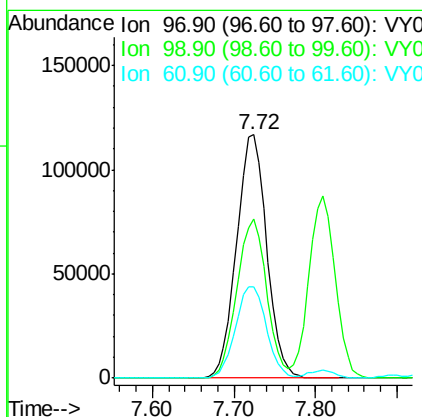
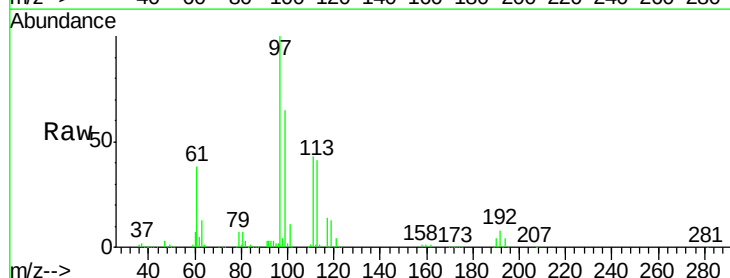
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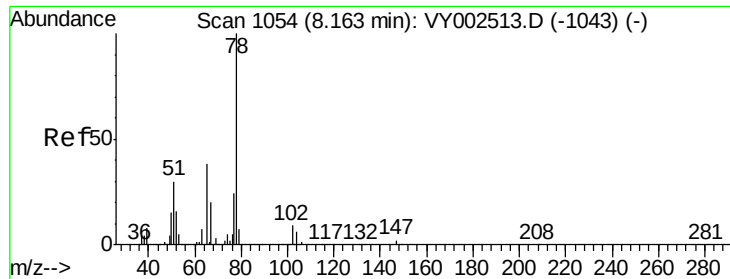
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#32
1,1,1-Trichloroethane
Concen: 52.452 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	51.9	77.9	
61	38.7	31.0	46.6	





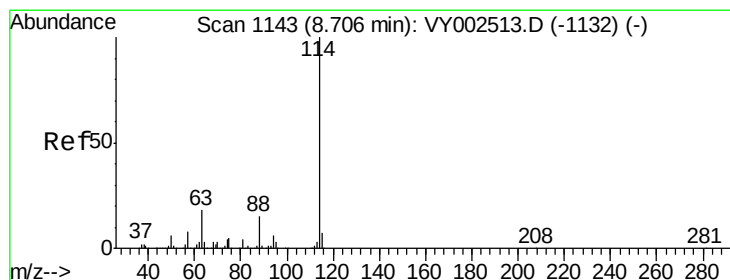
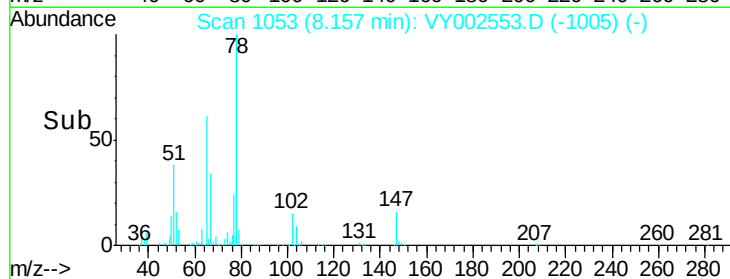
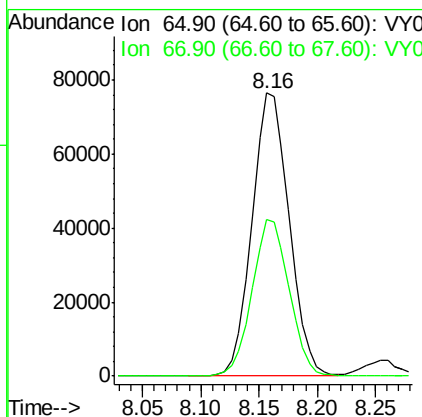
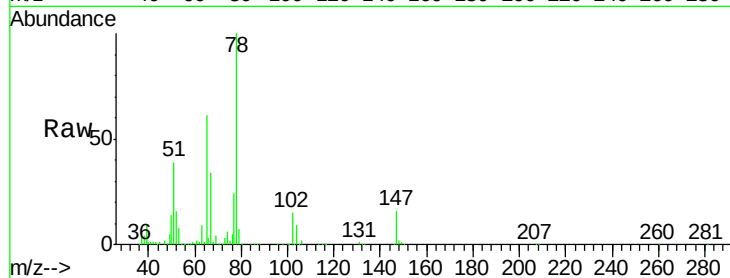
#33
 1,2-Dichloroethane-d4
 Concen: 51.083 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168869		
67	55.3	0.0	107.2	

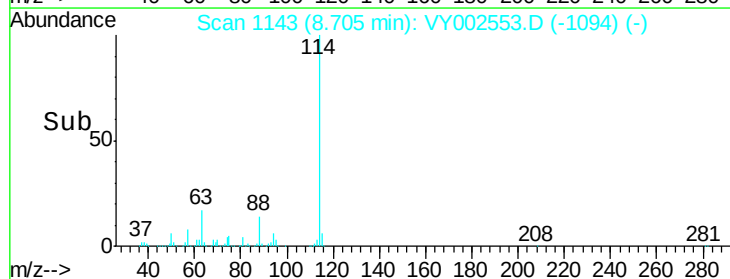
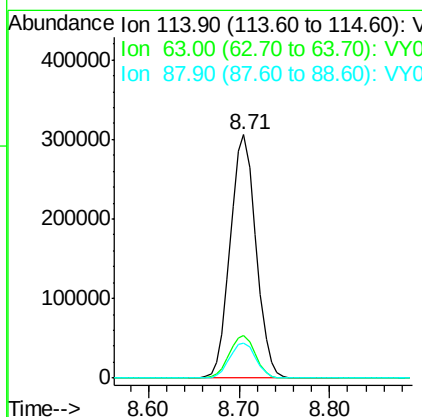
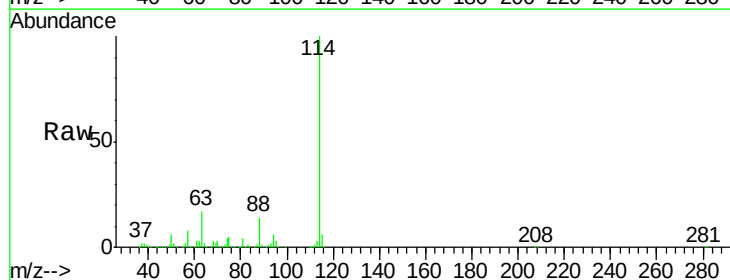
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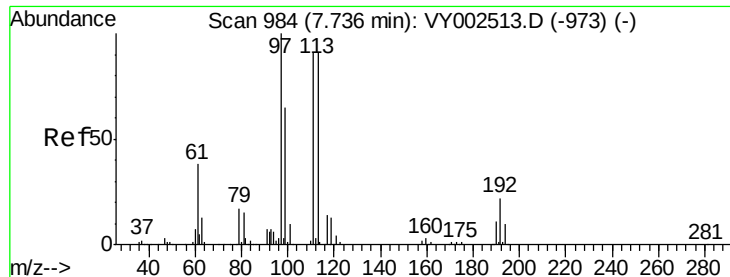
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	601510		
63	17.4	0.0	36.4	
88	14.3	0.0	29.6	





#35

Dibromofluoromethane

Concen: 51.030 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

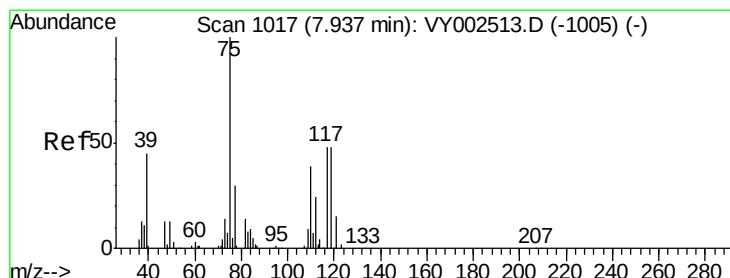
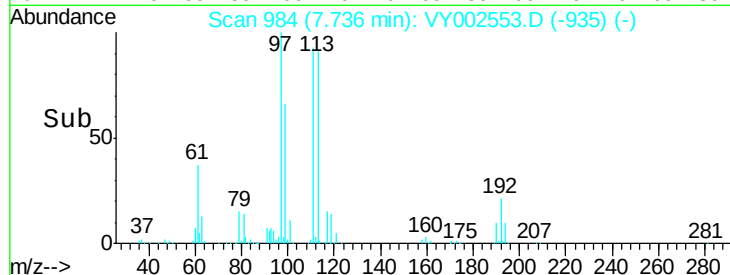
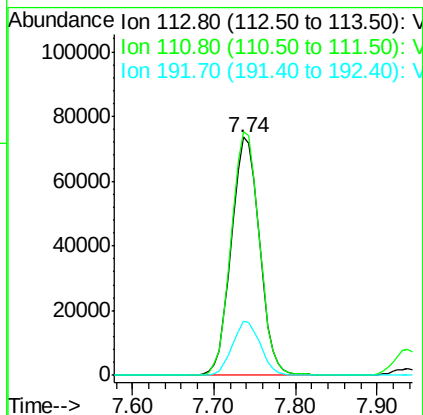
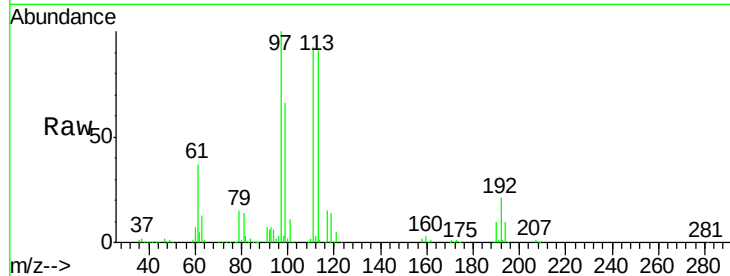
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	175545
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.6
192	22.2	18.2	27.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.303 ug/l

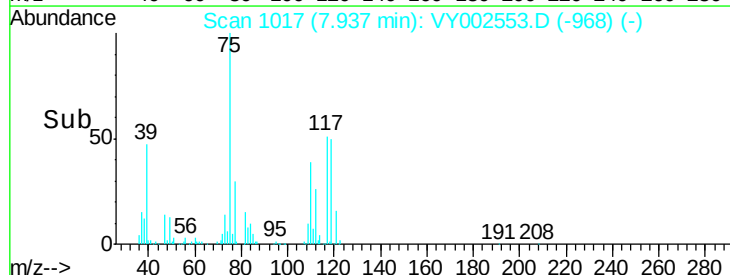
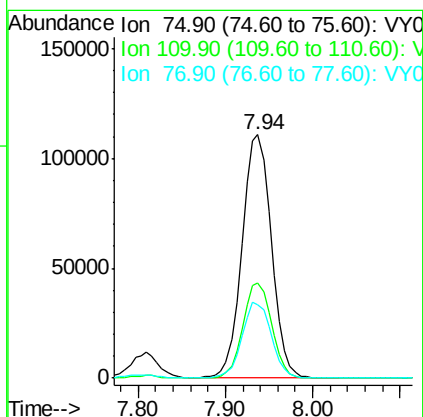
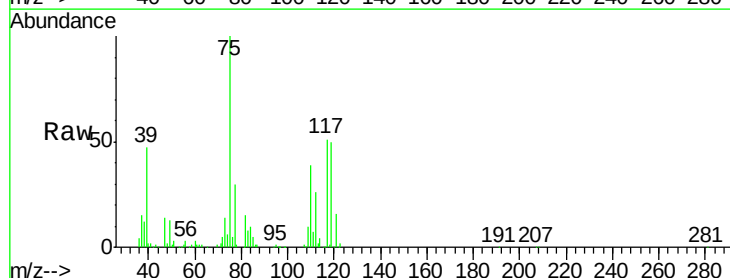
RT: 7.94 min Scan# 1017

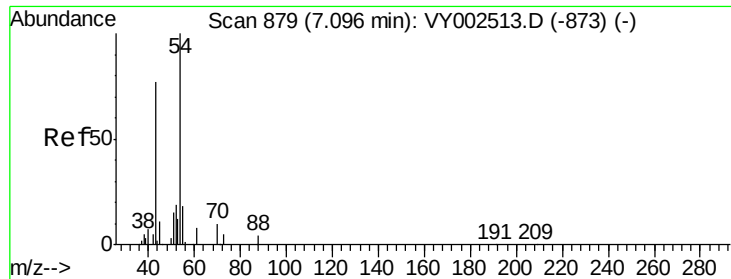
Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	75	Resp:	258699
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.1	57.3
77	31.1	24.6	37.0





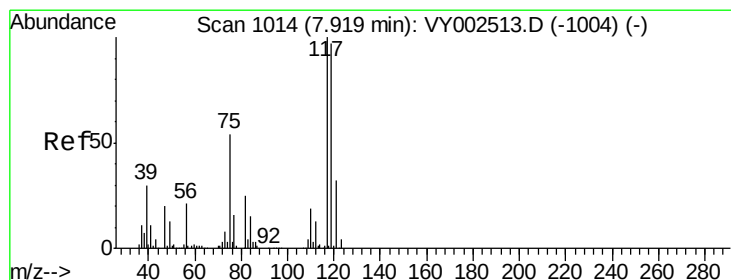
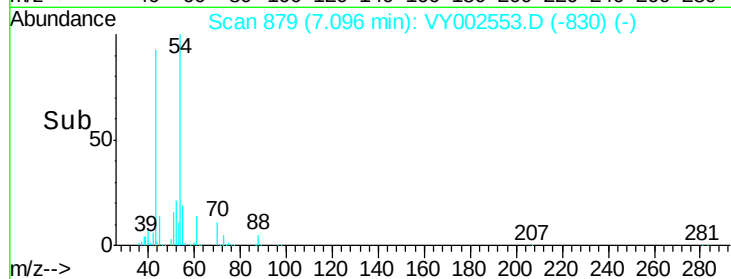
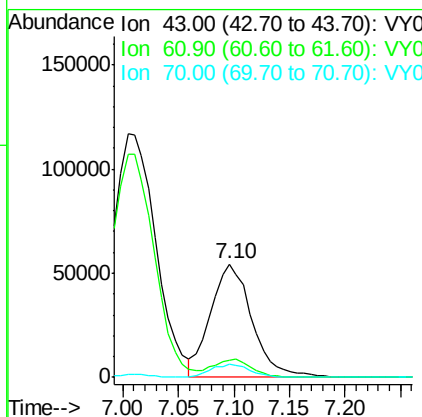
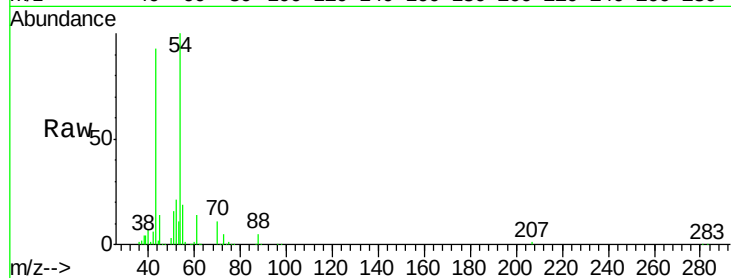
#37
Ethyl Acetate
Concen: 53.855 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	139551
Ion Ratio	Lower	Upper	
43	100		
61	15.5	11.6	17.4
70	11.3	9.0	13.6

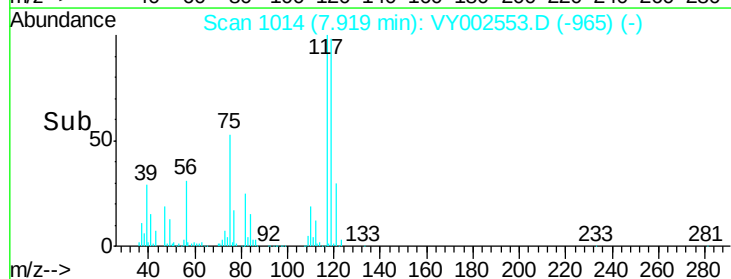
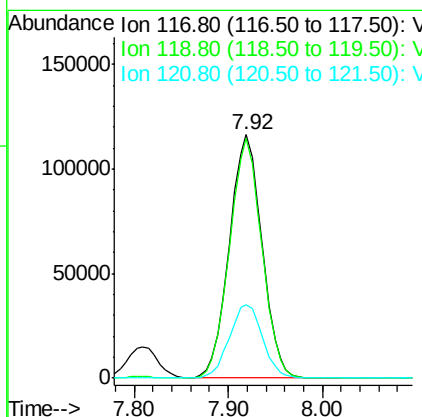
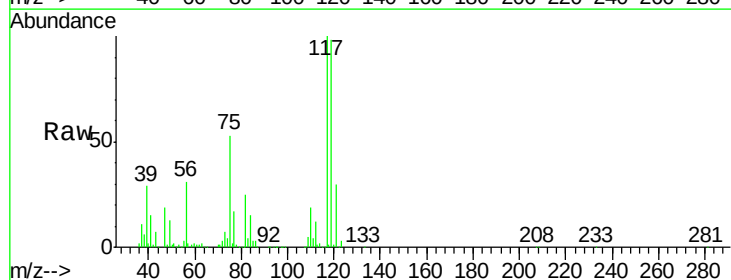
Manual Integrations
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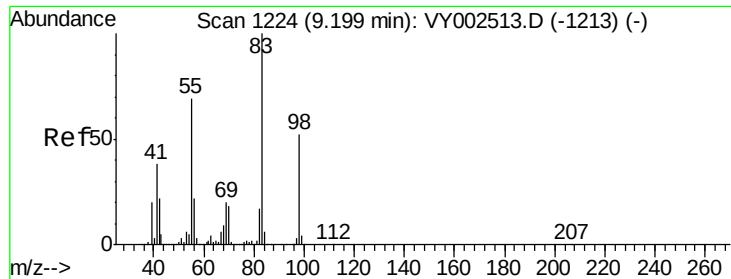
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#38
Carbon Tetrachloride
Concen: 50.801 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	117	Resp	279672
Ion Ratio	Lower	Upper	
117	100		
119	98.2	77.1	115.7
121	30.2	25.2	37.8





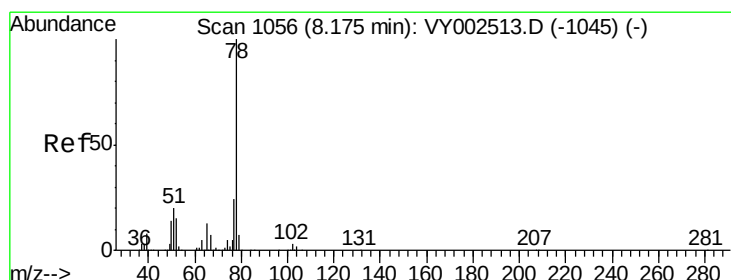
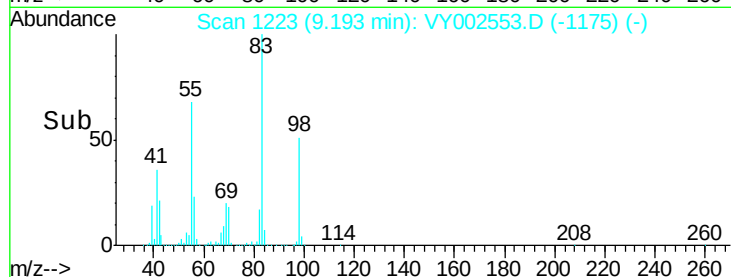
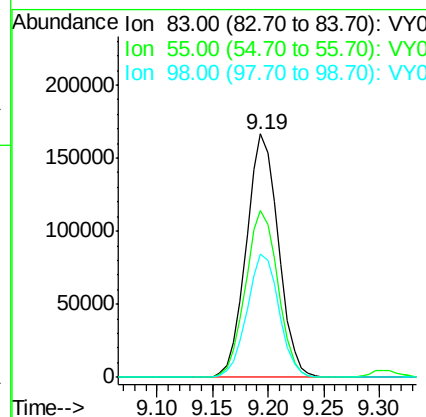
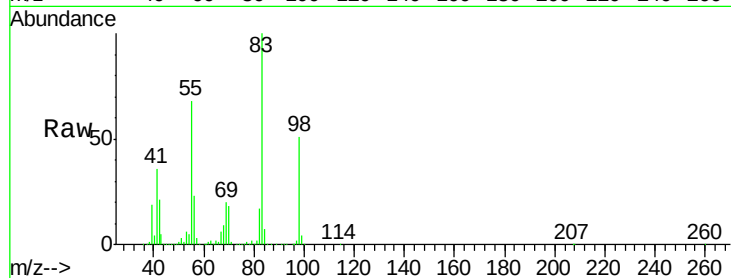
#39
Methylvlcyclohexane
Concen: 50.099 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	55.4	83.0
98	50.7	41.3	61.9

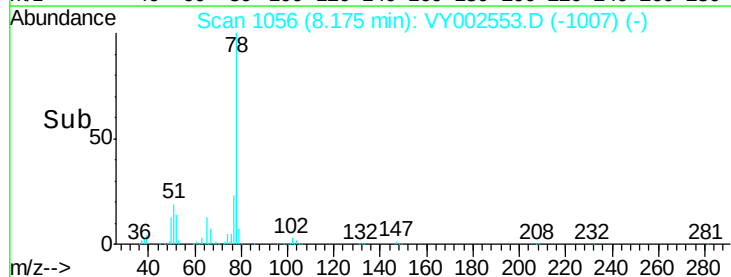
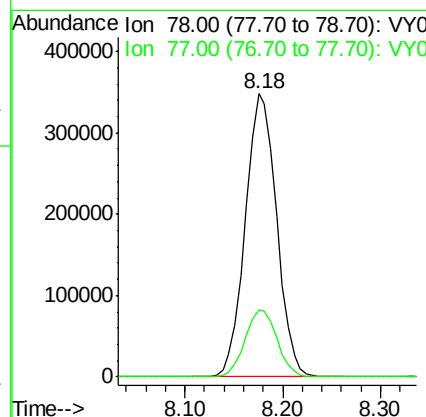
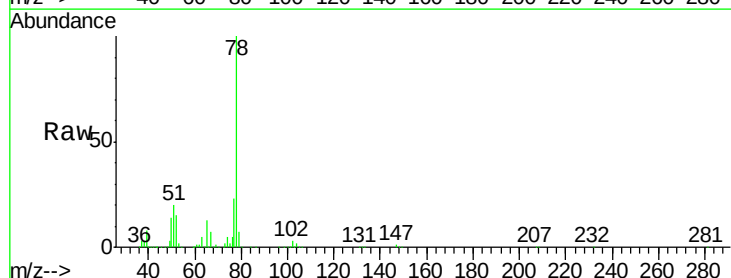
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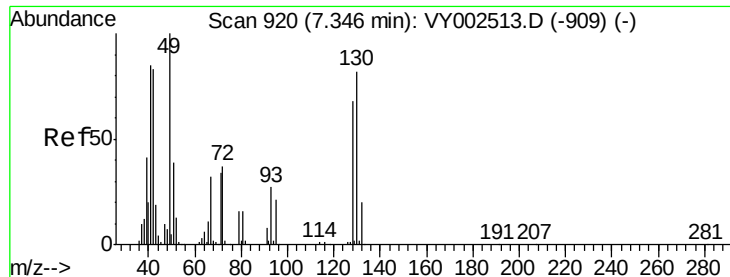
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5/5/2020 11:29:17 AM



#40
Benzene
Concen: 52.993 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





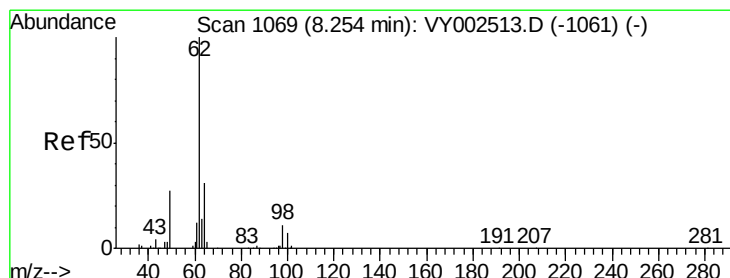
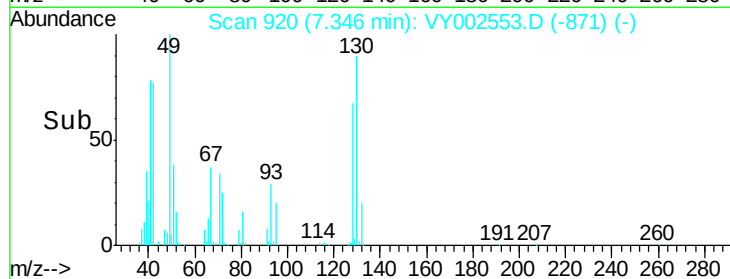
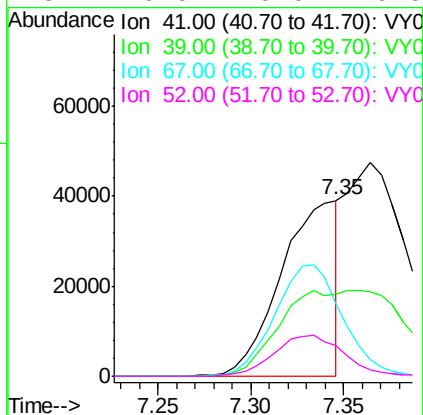
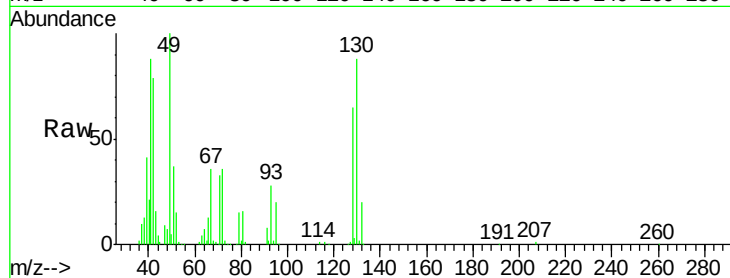
#41
Methacrylonitrile
Concen: 60.366 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	84104
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

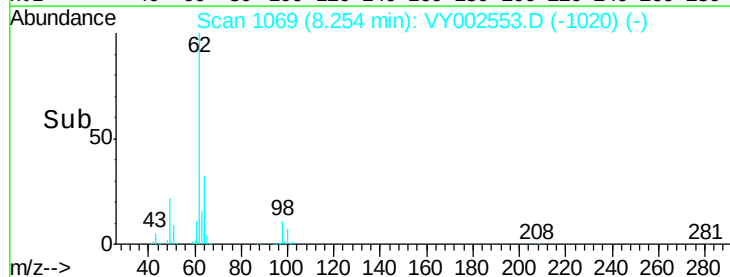
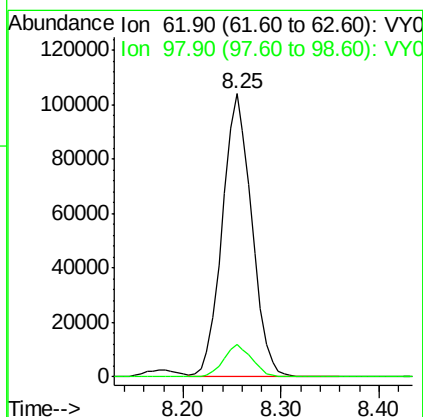
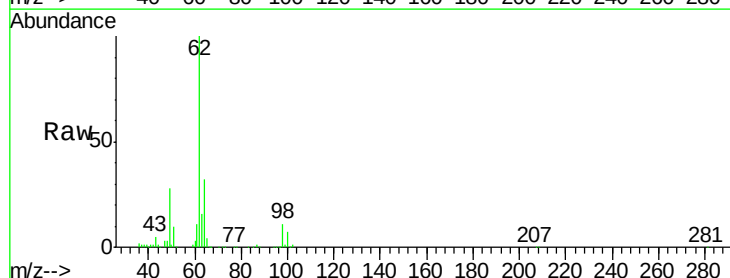
Manual Integrations
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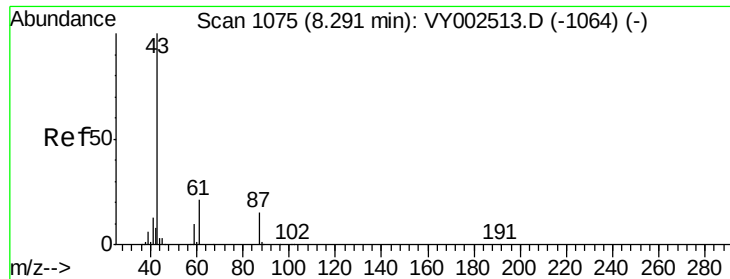
MMDadoda
5/5/2020 11:29:17 AM



#42
1,2-Dichloroethane
Concen: 53.186 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	62	Resp	217273
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 55.571 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

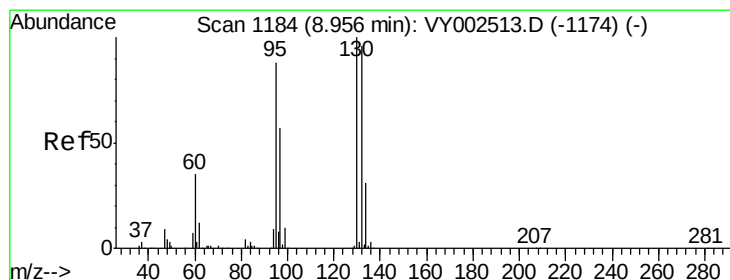
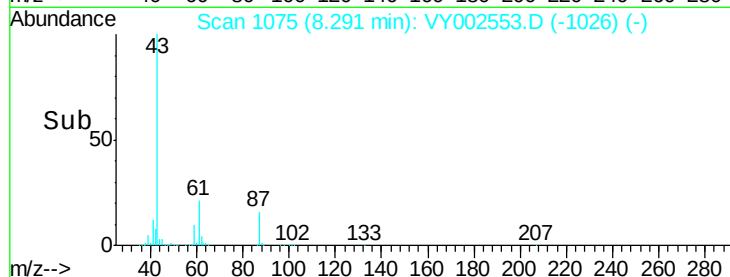
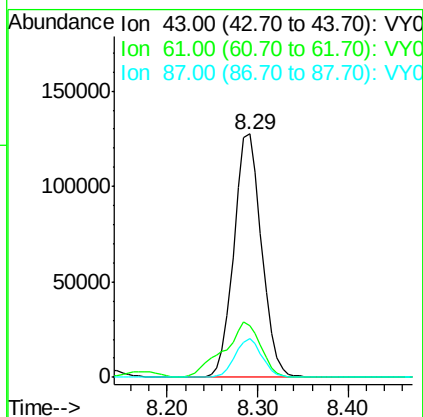
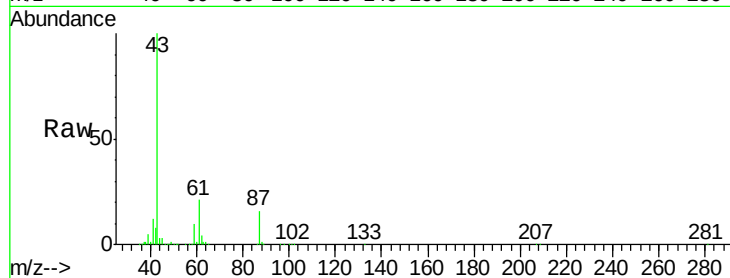
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	269954
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	15.4	12.2	18.2

Manual Integrations
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#44

Trichloroethene

Concen: 53.362 ug/l

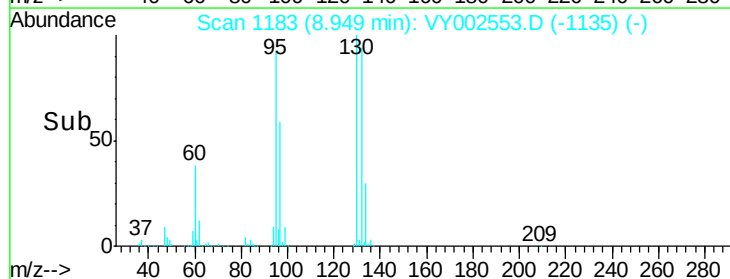
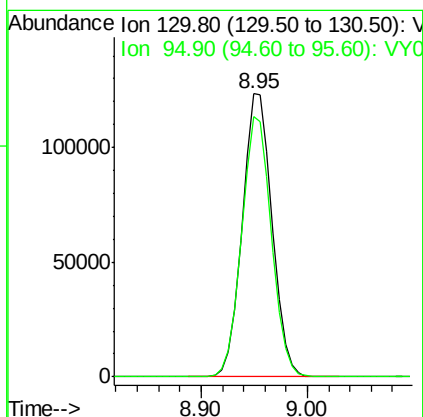
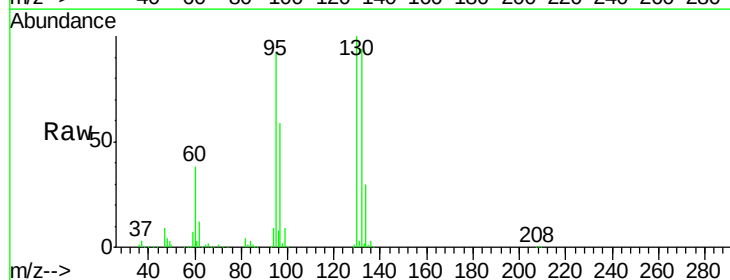
RT: 8.95 min Scan# 1183

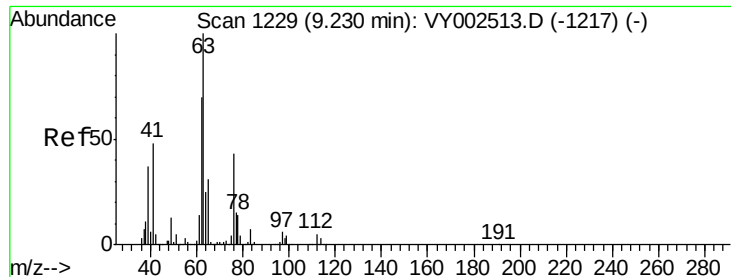
Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	130	Resp:	242872
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	175.8





#45

1,2-Dichloropropane

Concen: 53.699 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 188747

Ion Ratio Lower Upper

63 100

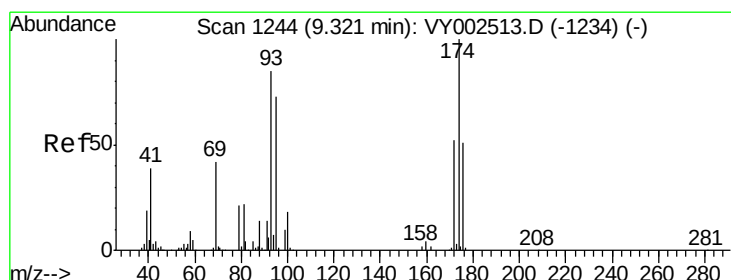
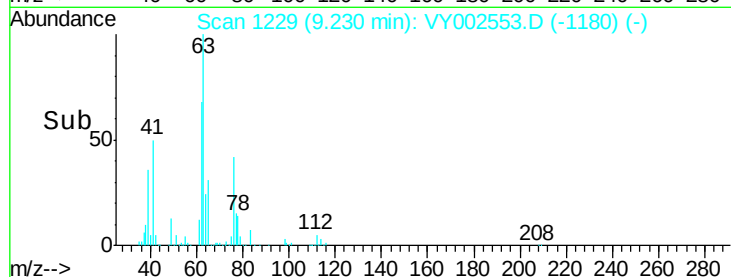
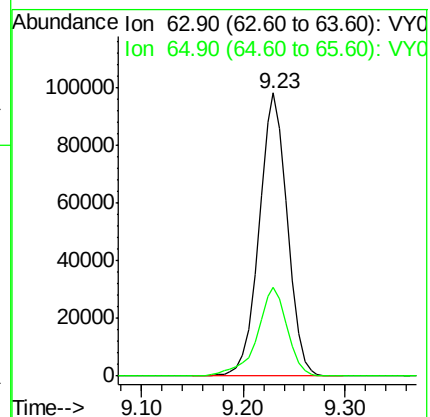
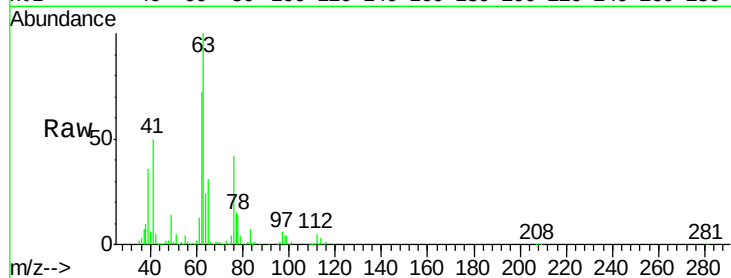
65 31.2 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 54.577 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

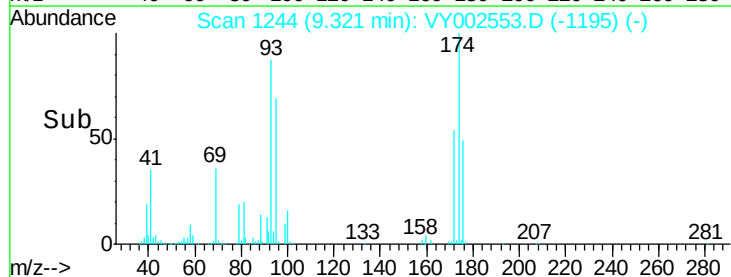
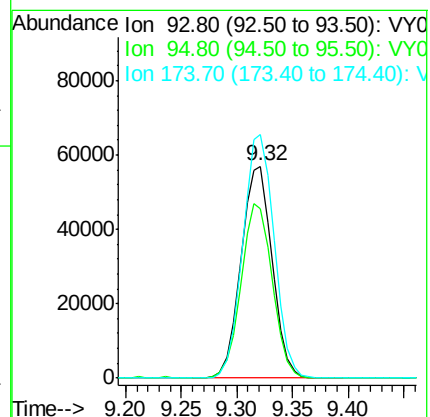
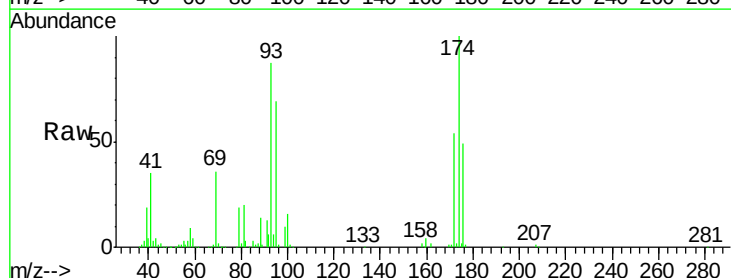
Tgt Ion: 93 Resp: 110373

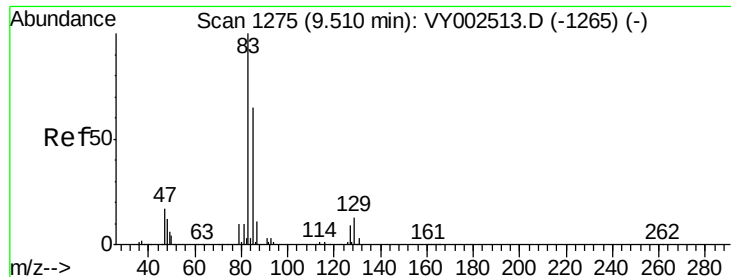
Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 115.8 92.7 139.1





#47

Bromodichloromethane

Concen: 53.707 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

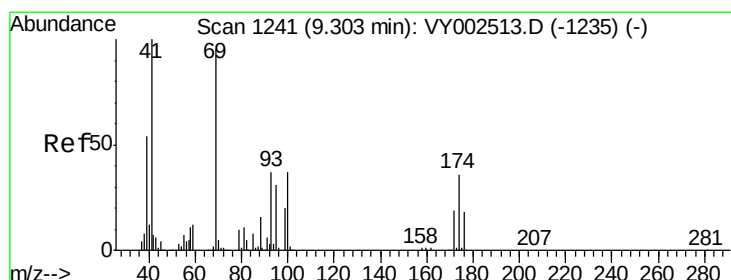
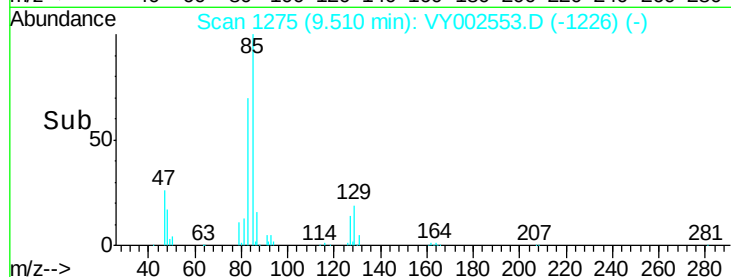
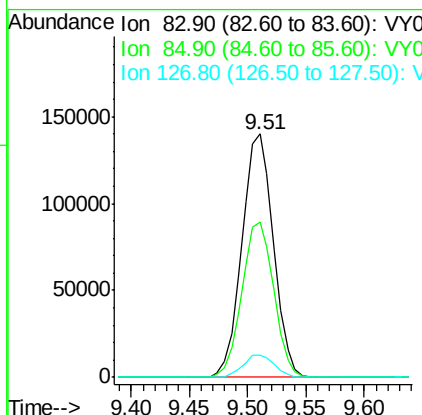
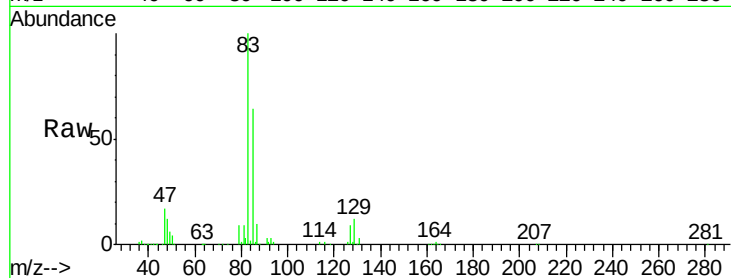
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	264099
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8
127	9.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.863 ug/l

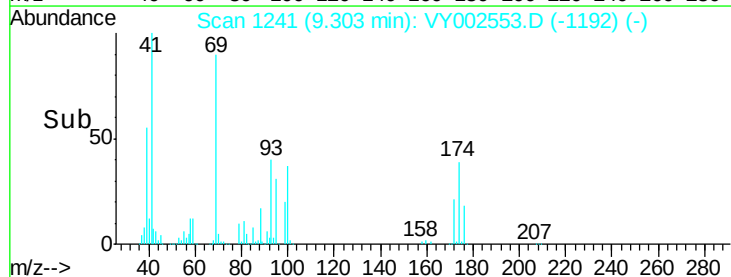
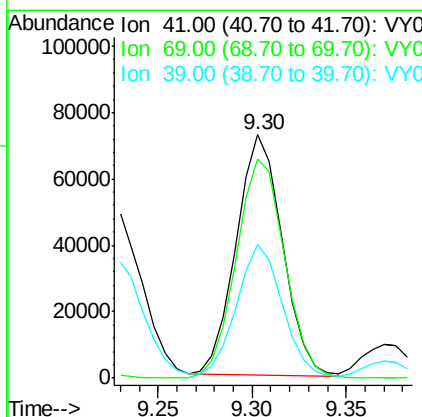
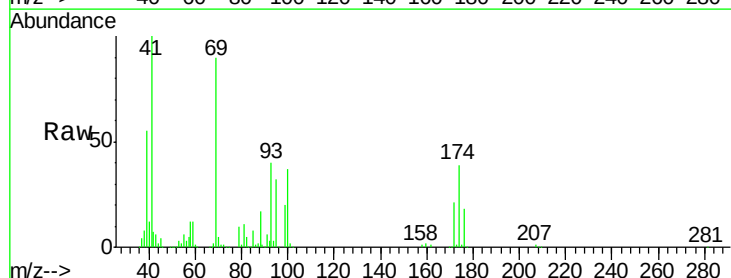
RT: 9.30 min Scan# 1241

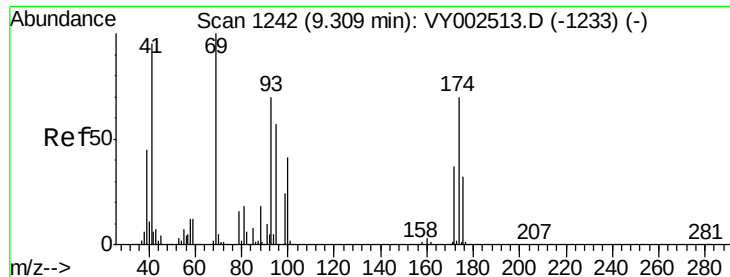
Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	41	Resp:	122814
Ion	Ratio	Lower	Upper
41	100		
69	96.2	76.2	114.4
39	56.1	42.7	64.1





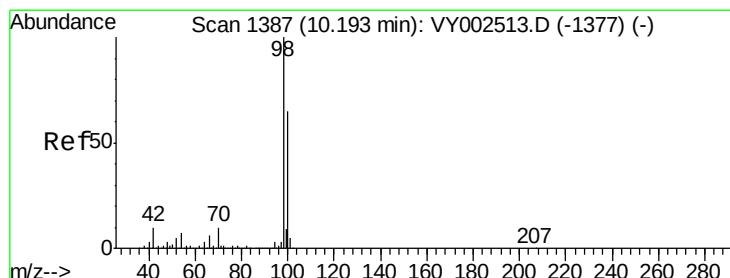
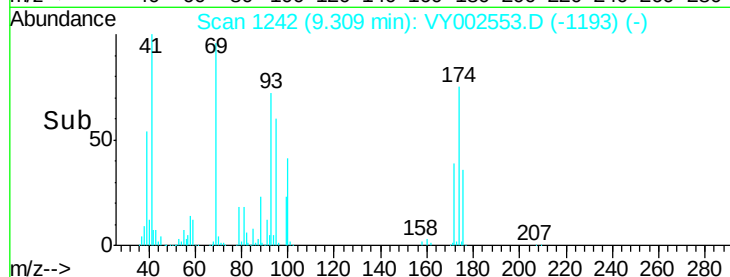
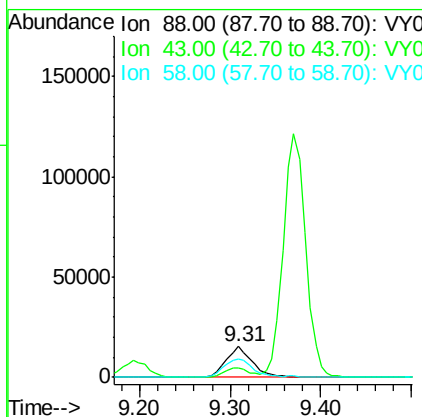
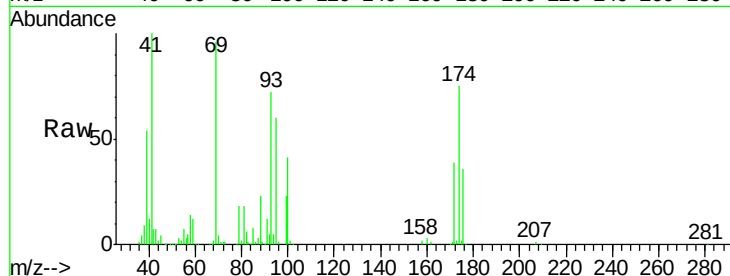
#49
1,4-Dioxane
Concen: 1157.993 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	22.8	34.2
58	64.8	51.4	77.2

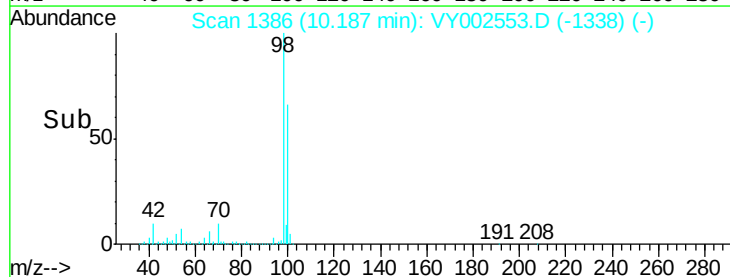
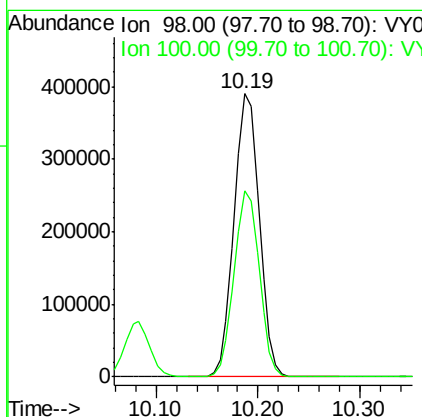
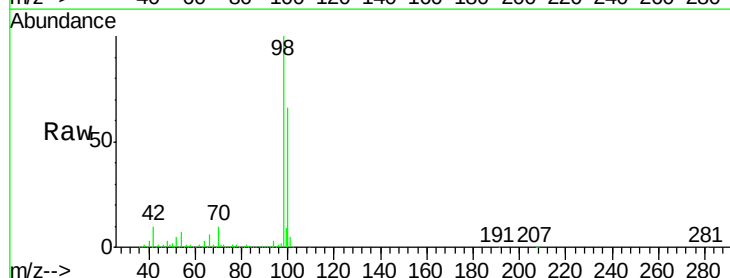
Manual Integrations
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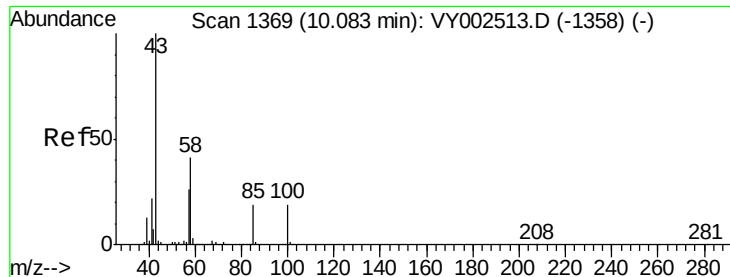
MMDadoda
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#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 280.677 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 702789

Ion Ratio Lower Upper

43 100

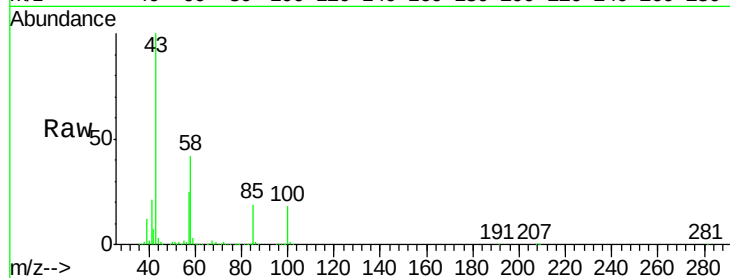
58 41.9 33.2 49.8

Manual Integrations

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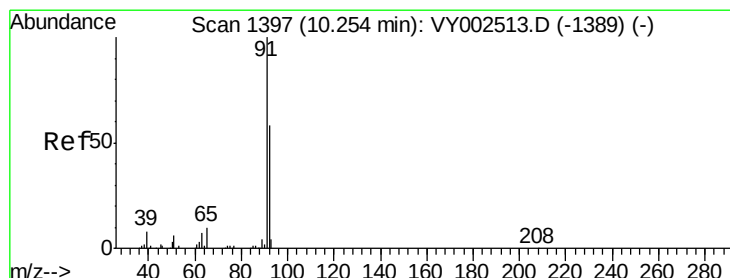
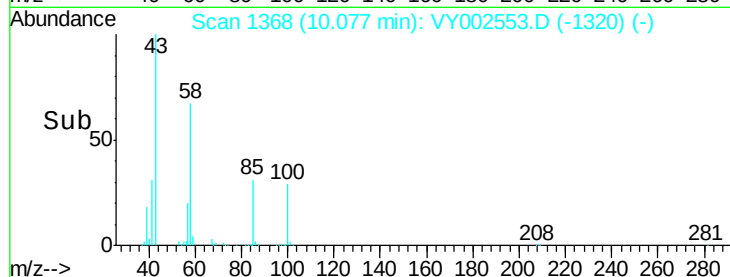
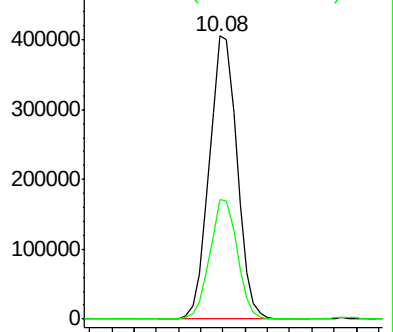
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 53.136 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002553.D

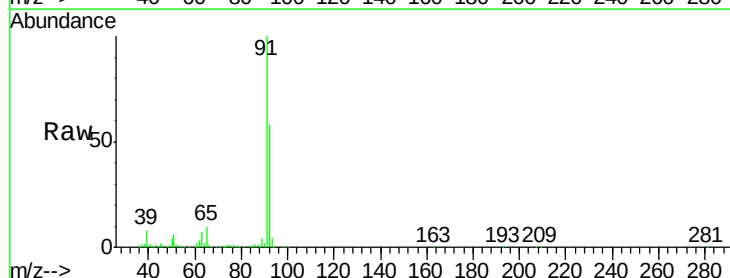
Acq: 04 May 2020 20:07

Tgt Ion: 92 Resp: 497347

Ion Ratio Lower Upper

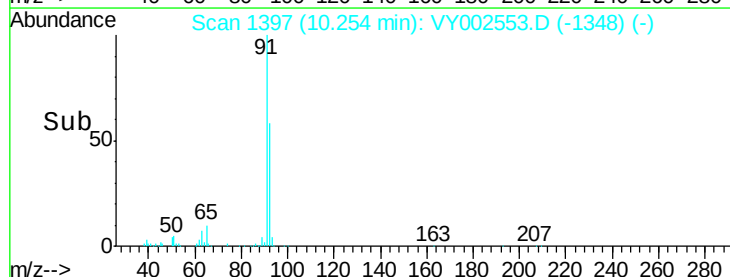
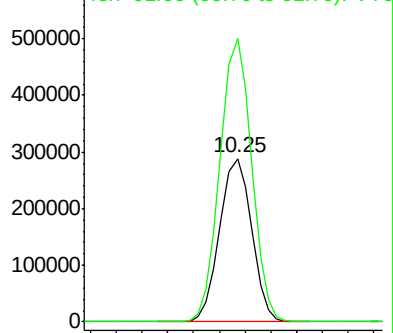
92 100

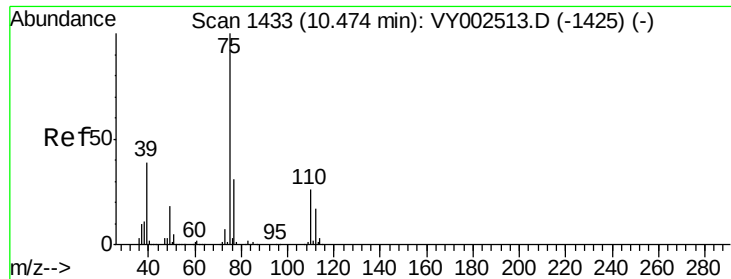
91 171.0 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 53.840 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 277396

Ion Ratio Lower Upper

75 100

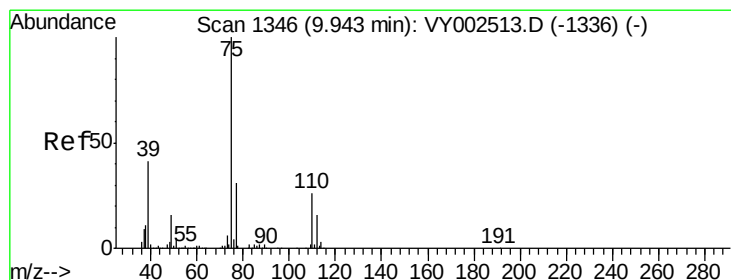
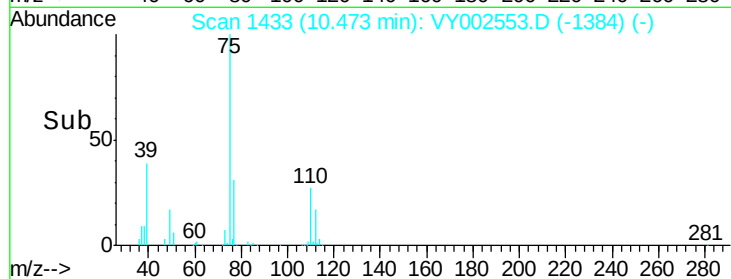
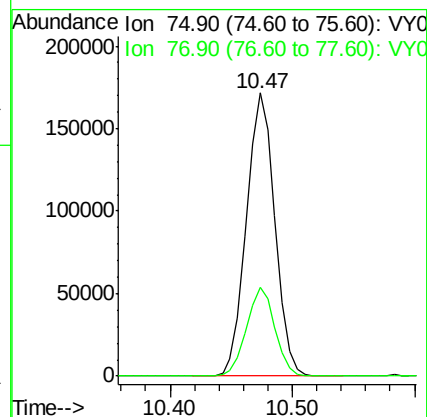
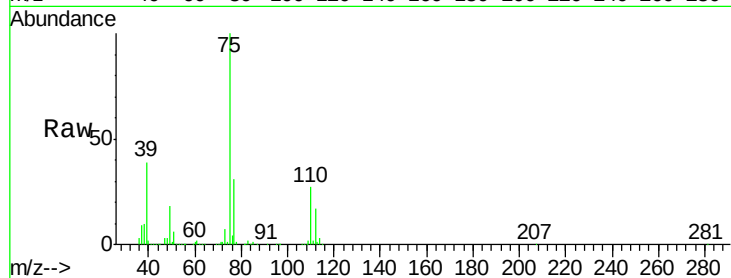
77 31.4 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.038 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

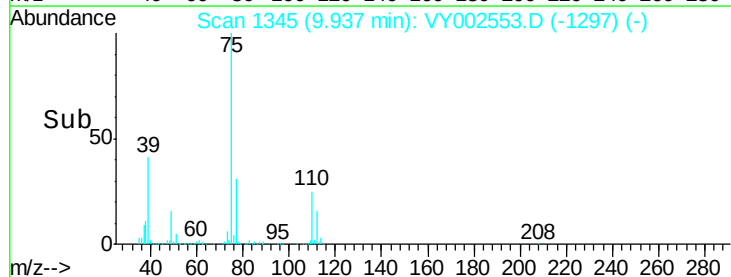
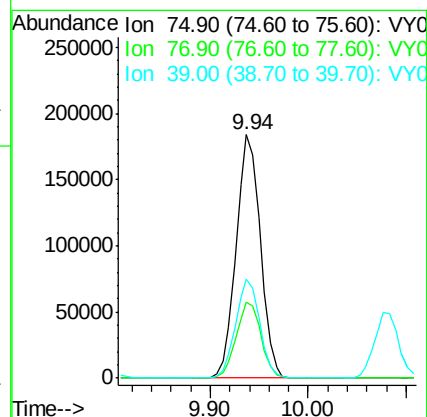
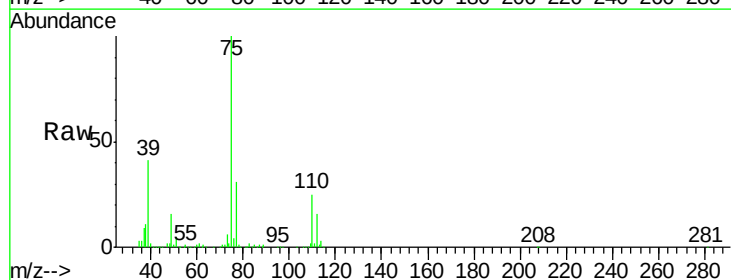
Tgt Ion: 75 Resp: 315908

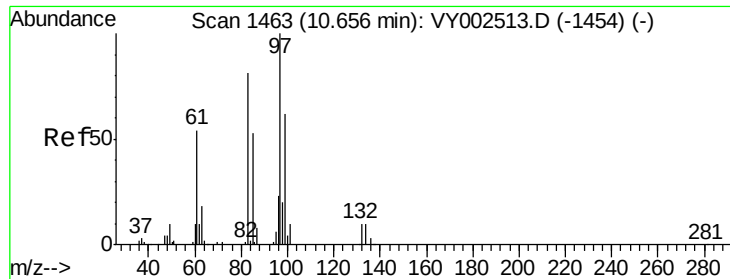
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 40.7 32.7 49.1





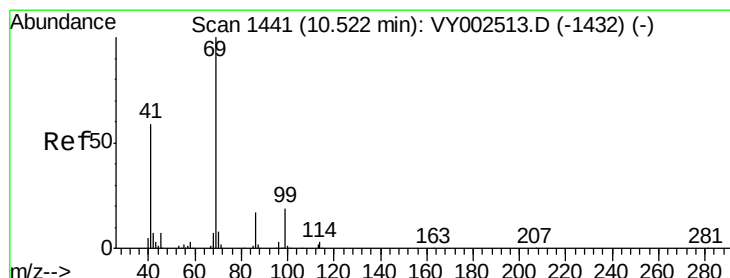
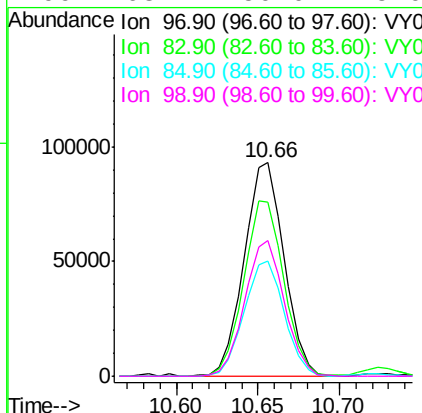
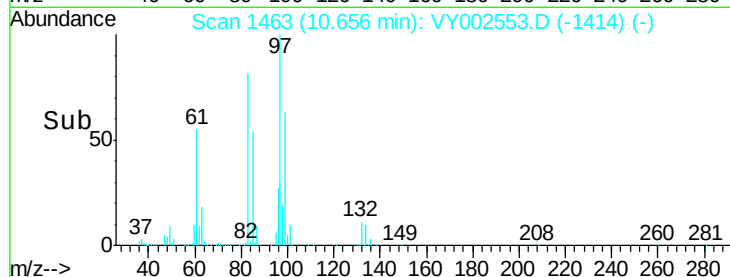
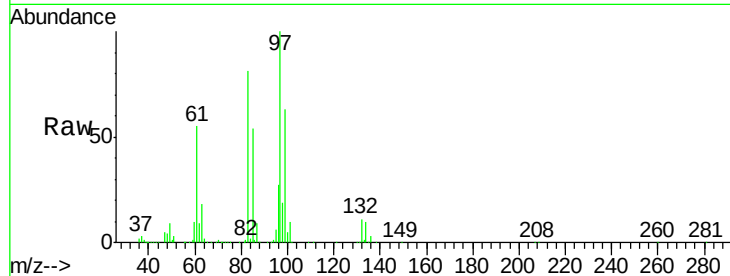
#55
 1,1,2-Trichloroethane
 Concen: 53.535 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		157883		
83	81.5	65.1	97.7		
85	54.2	42.7	64.1		
99	63.4	50.0	75.0		

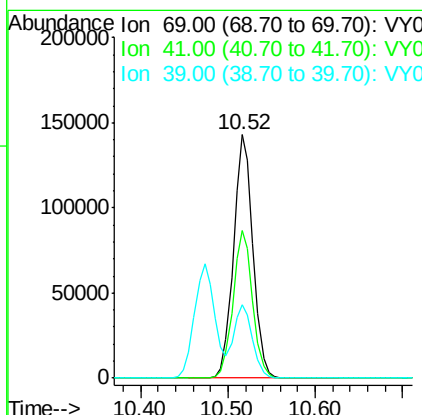
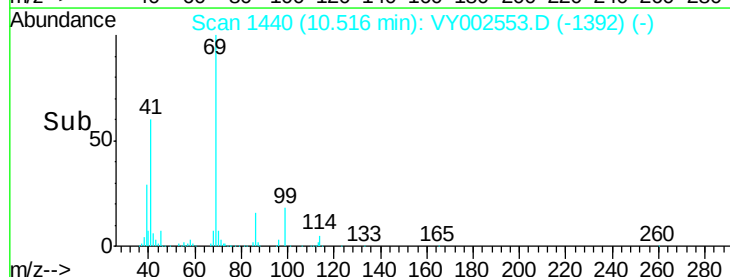
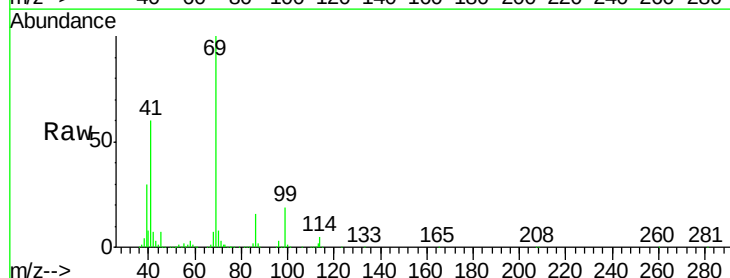
Manual Integrations
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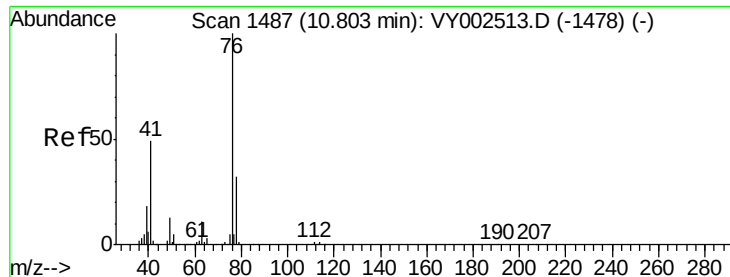
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#56
 Ethyl methacrylate
 Concen: 56.378 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221186		
41	60.6	48.6	73.0		
39	28.9	25.0	37.4		





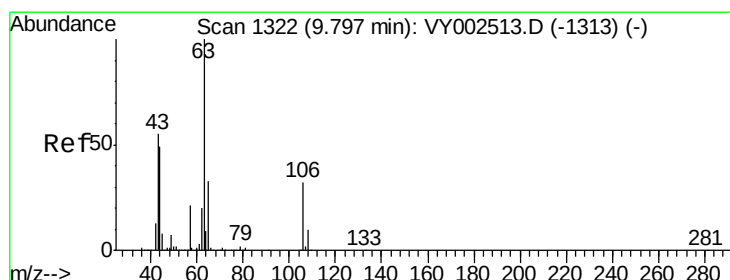
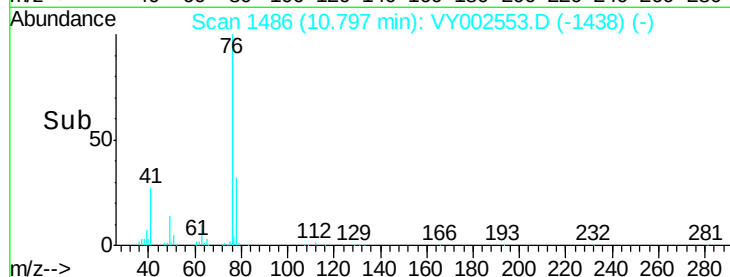
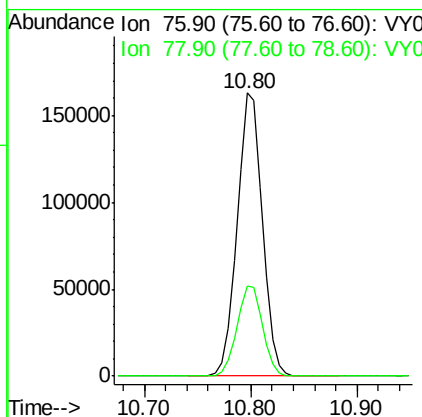
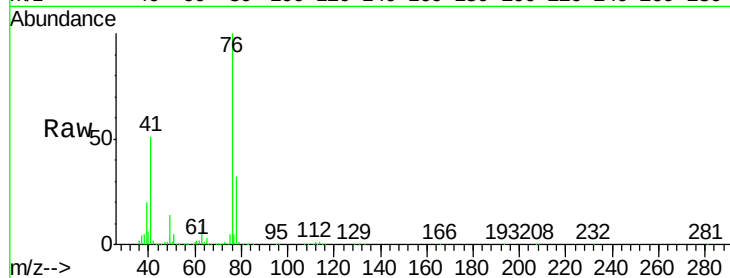
#57
 1,3-Dichloropropane
 Concen: 54.132 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.2

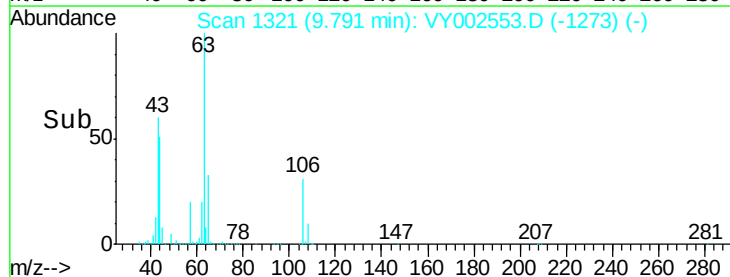
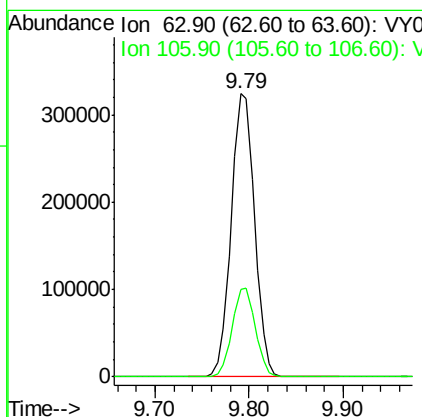
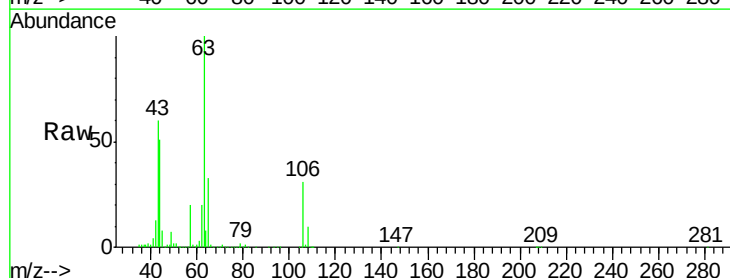
Manual Integrations
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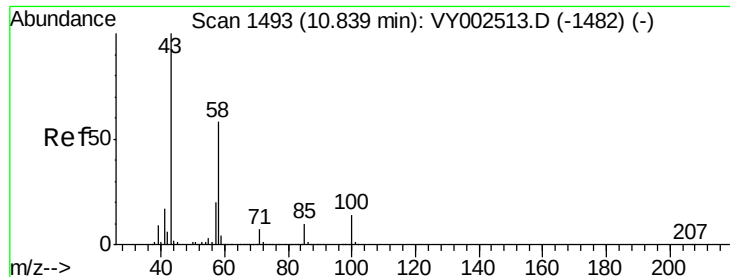
MMDadoda
 5/5/2020 11:29:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.976 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	25.2	37.8





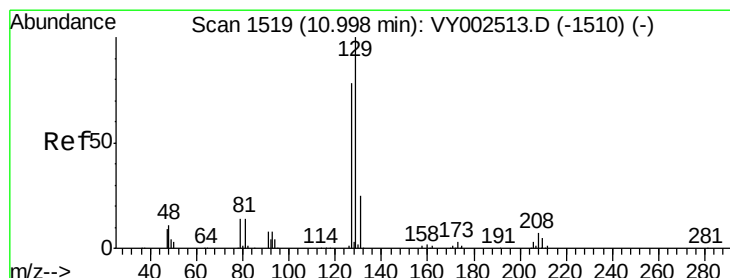
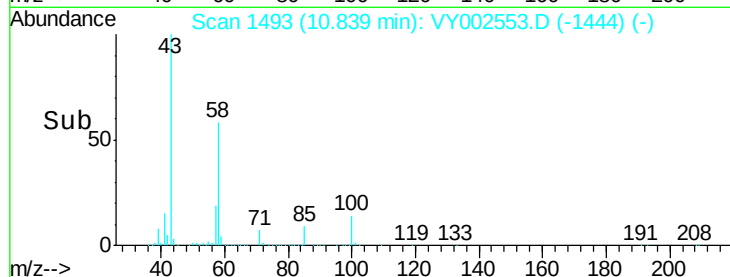
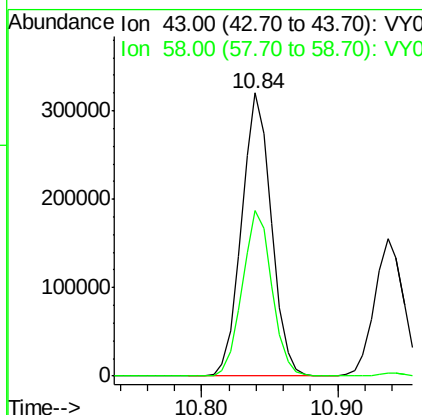
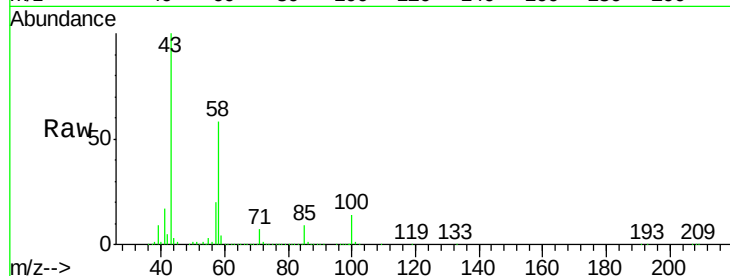
#59
2-Hexanone
Concen: 283.502 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 488576
Ion Ratio Lower Upper
43 100
58 58.1 29.1 87.3

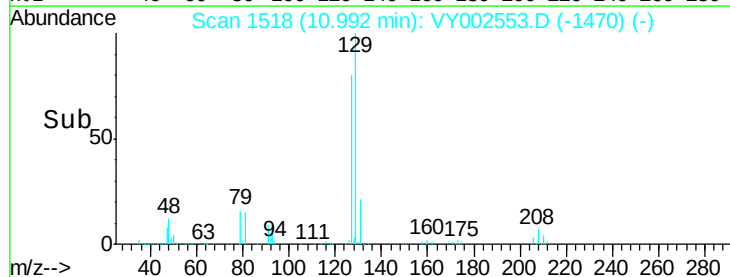
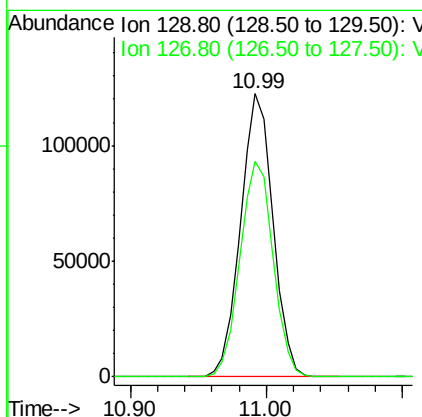
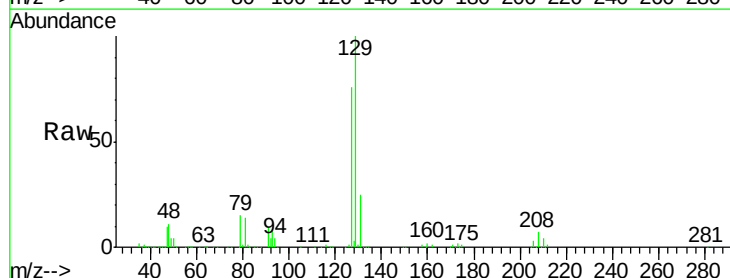
Manual Integrations
APPROVED

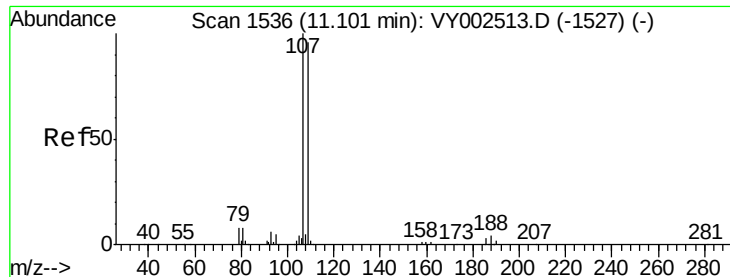
MMDadoda
5/5/2020 11:29:17 AM



#60
Dibromochloromethane
Concen: 54.350 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion: 129 Resp: 203862
Ion Ratio Lower Upper
129 100
127 77.5 39.0 117.0





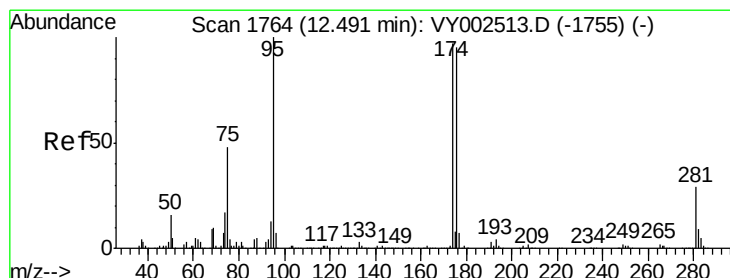
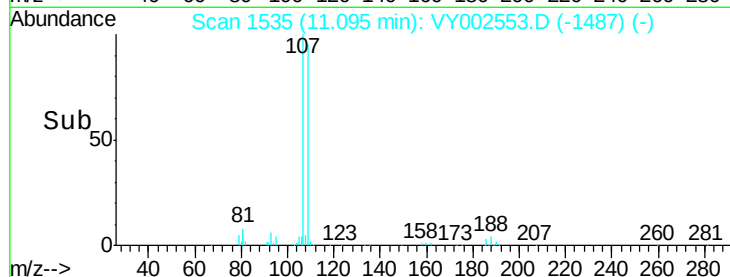
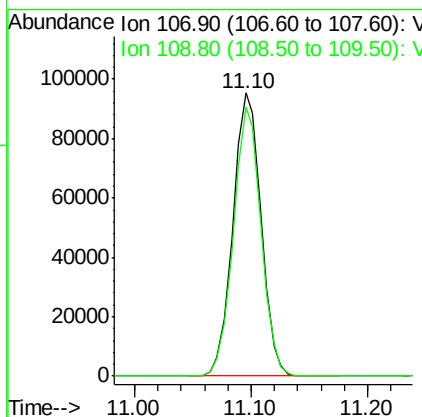
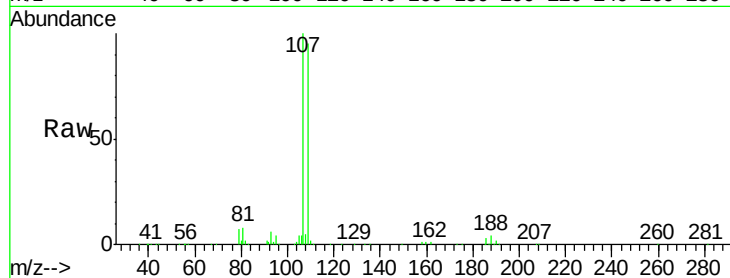
#61
 1,2-Dibromoethane
 Concen: 54.890 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

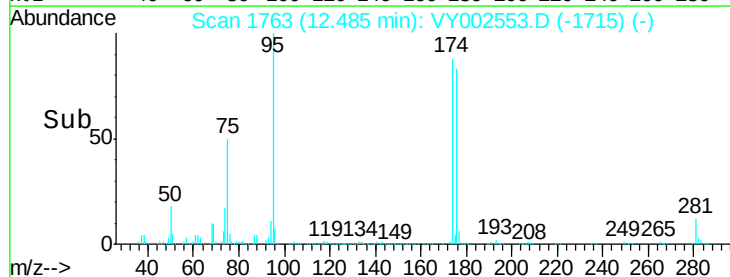
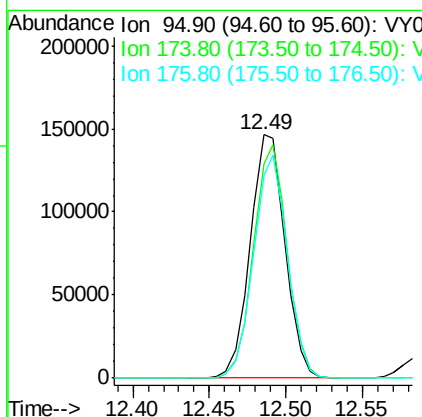
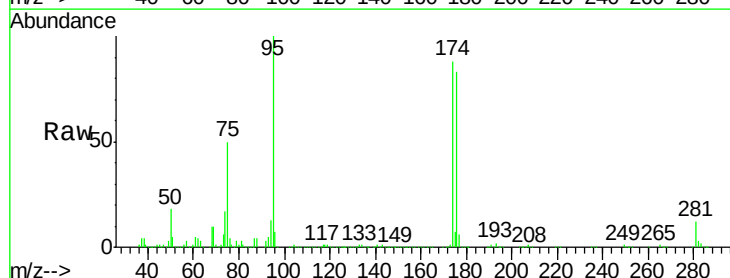
Manual Integrations
 APPROVED

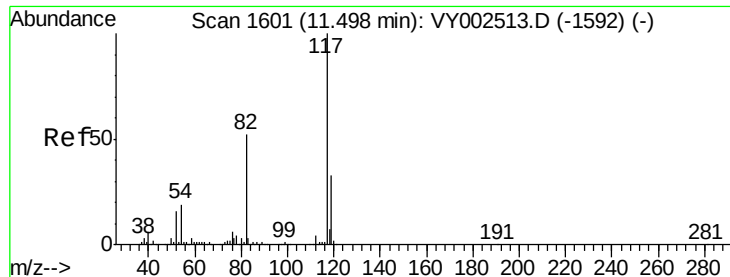
MMDadoda
 5/5/2020 11:29:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.552 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	188.8
176	89.5	0.0	183.2





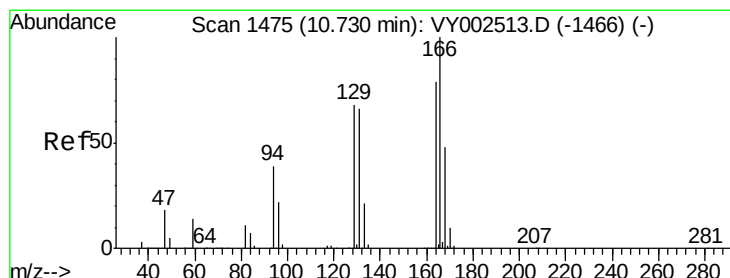
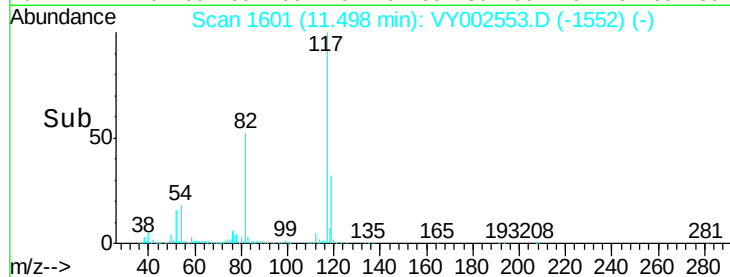
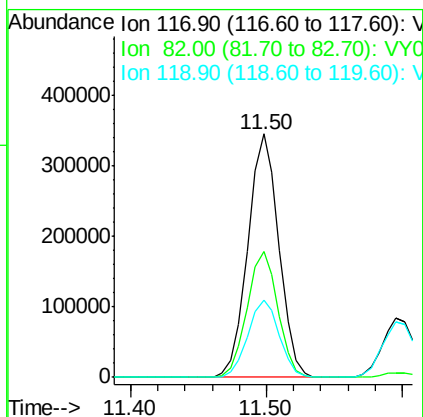
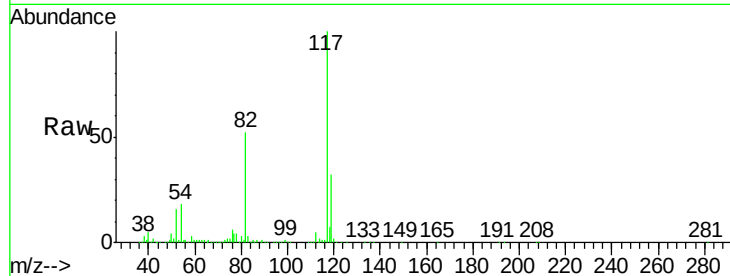
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	548707		
82	51.9		41.3	61.9
119	31.7		26.0	39.0

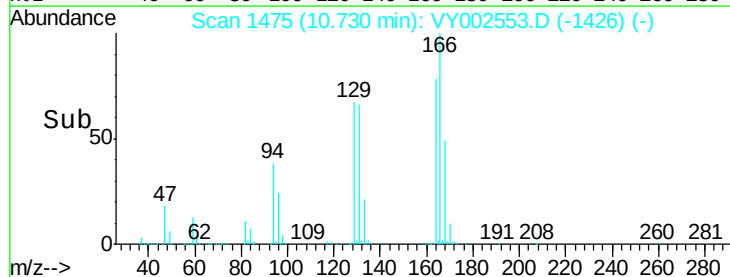
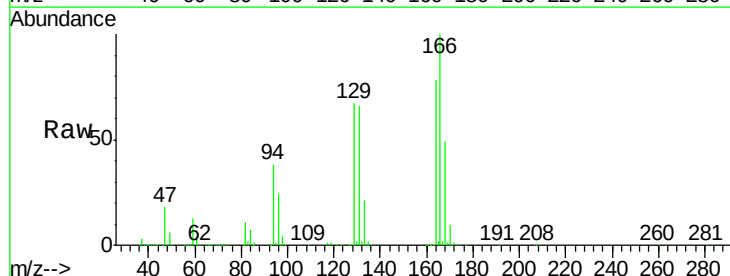
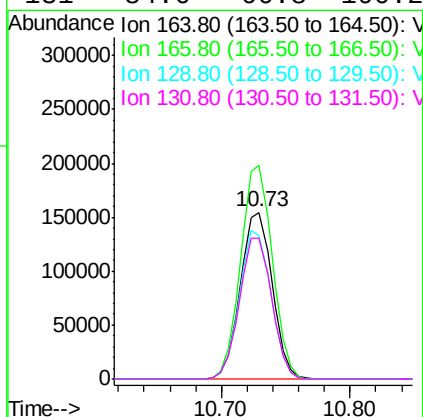
Manual Integrations
APPROVED

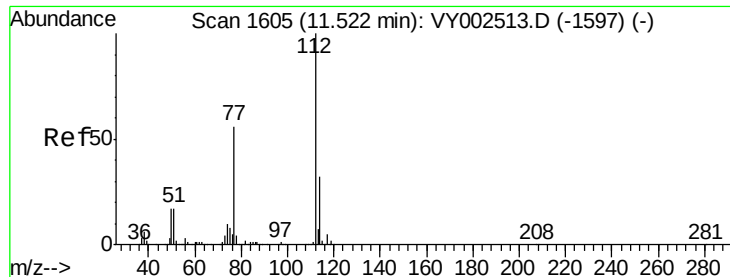
MMDadoda
5/5/2020 11:29:17 AM



#64
Tetrachloroethene
Concen: 54.200 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	264240		
166	127.9		100.7	151.1
129	86.1		68.3	102.5
131	84.6		66.8	100.2





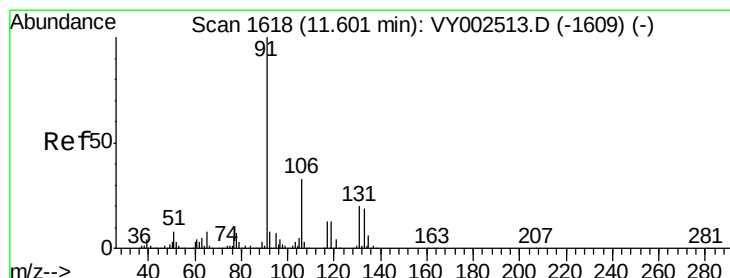
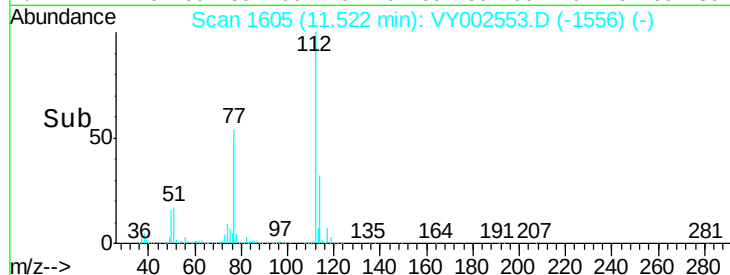
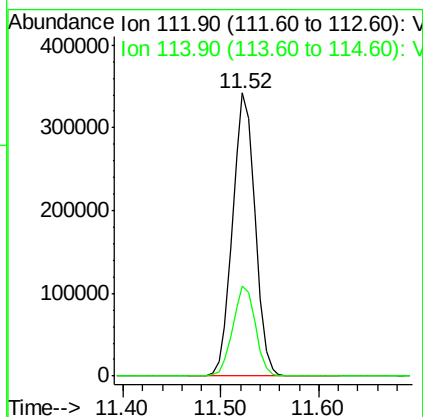
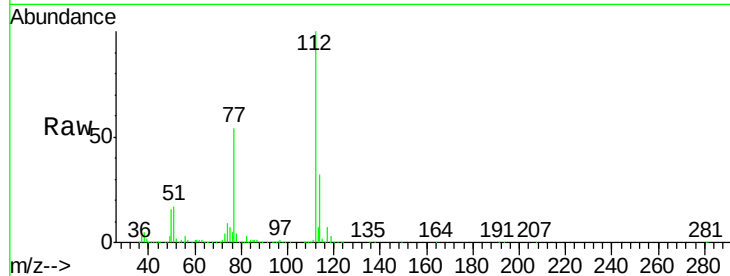
#65
Chlorobenzene
Concen: 52.287 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

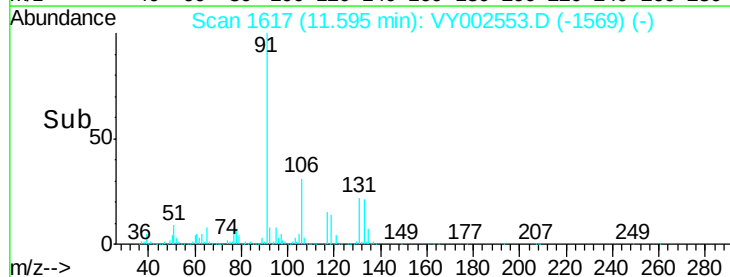
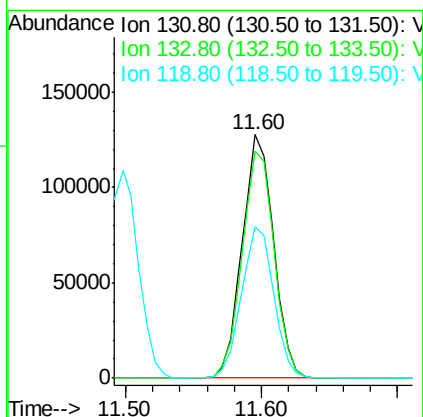
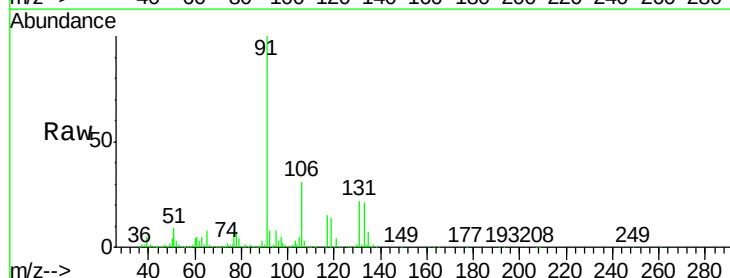
Manual Integrations
APPROVED

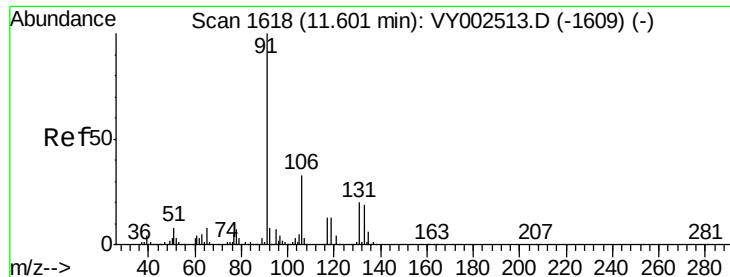
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.458 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.1	144.4
119	63.7	31.6	95.0





#67

Ethyl Benzene

Concen: 51.683 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 946974

Ion Ratio Lower Upper

91 100

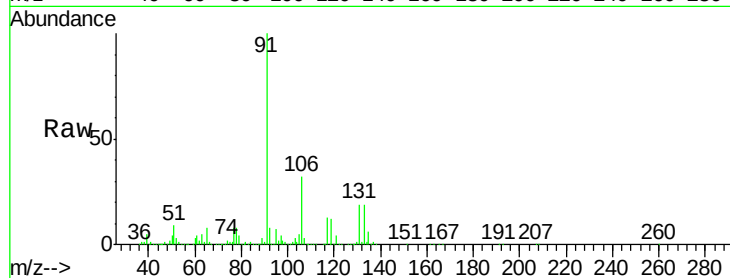
106 32.4 26.1 39.1

Manual Integrations

APPROVED

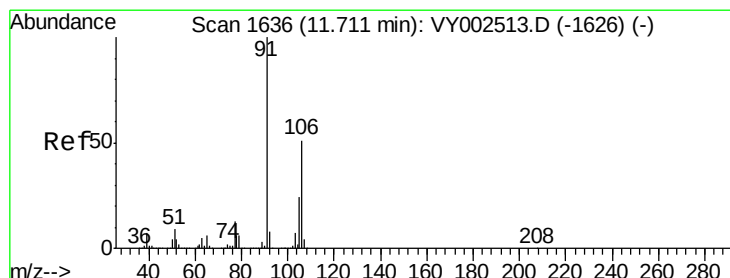
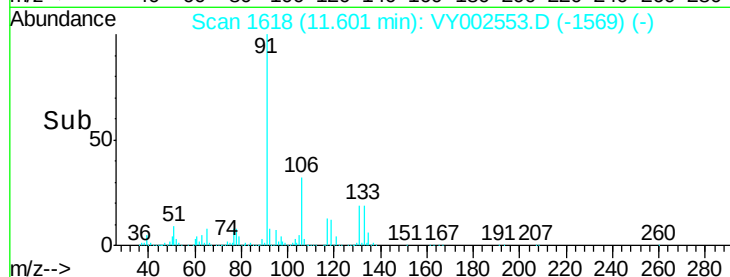
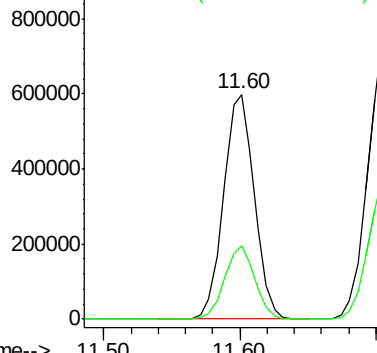
MMDadoda

5/5/2020 11:29:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.534 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002553.D

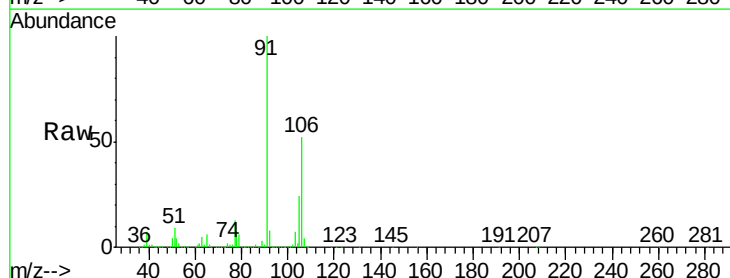
Acq: 04 May 2020 20:07

Tgt Ion: 106 Resp: 726906

Ion Ratio Lower Upper

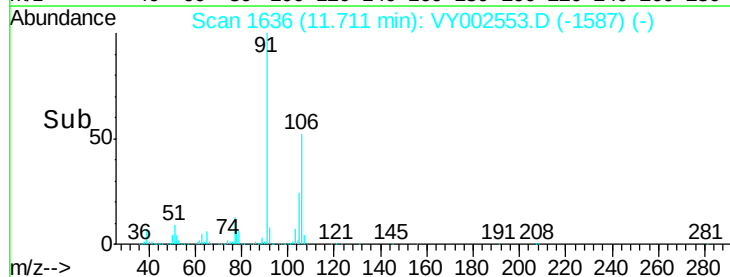
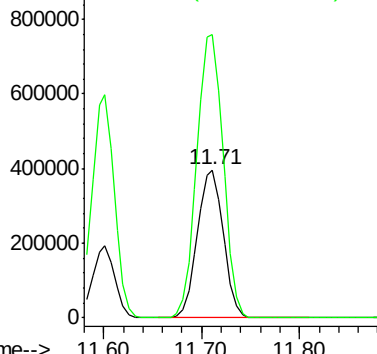
106 100

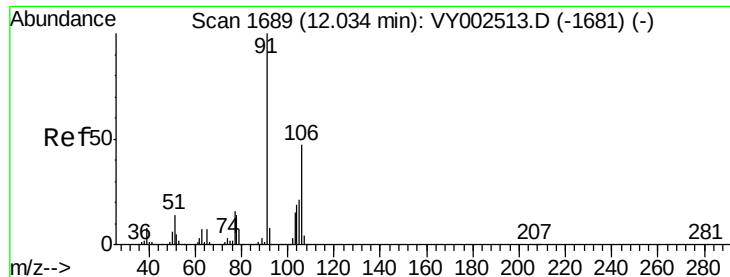
91 195.5 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





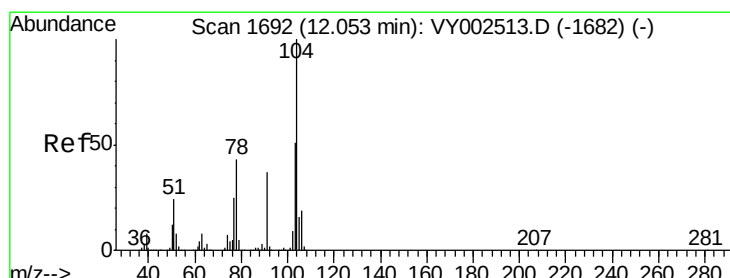
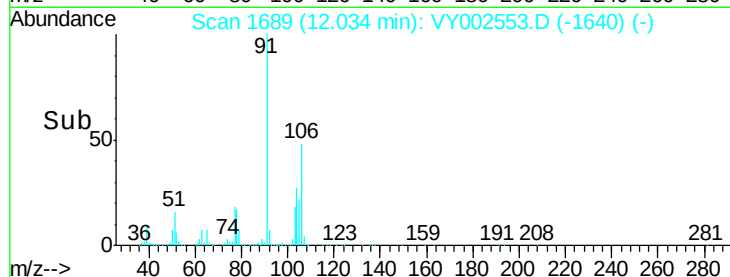
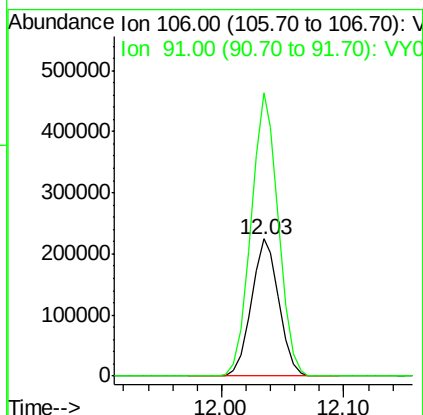
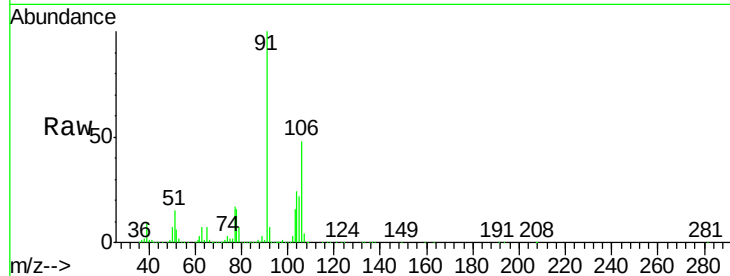
#69
o-Xylene
Concen: 52.567 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.0	103.8	311.3	

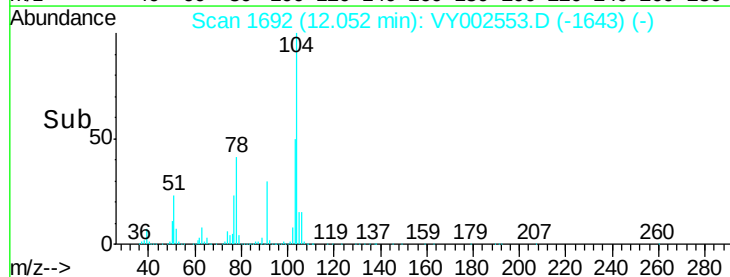
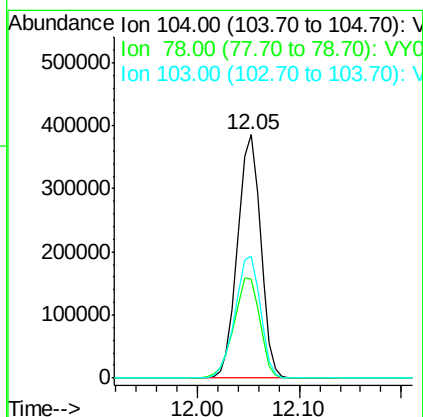
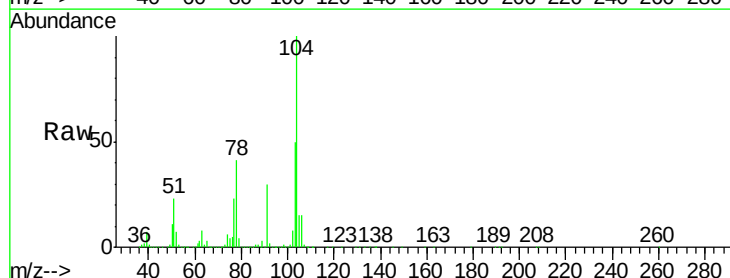
Manual Integrations
APPROVED

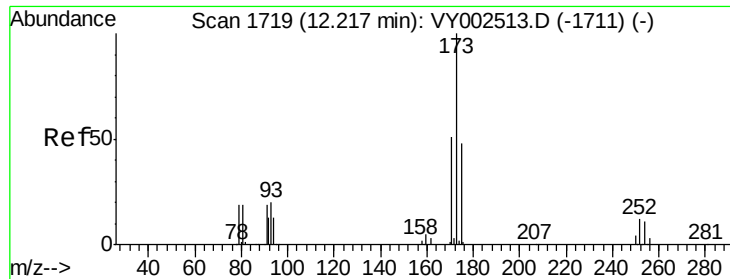
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#70
Styrene
Concen: 53.292 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.9	37.4	56.0	
103	54.6	43.9	65.9	





#71

Bromoform

Concen: 54.731 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 131530

Ion Ratio Lower Upper

173 100

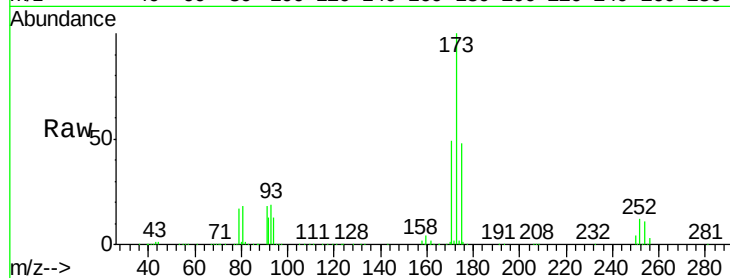
175 48.8 24.3 72.8

254 0.2 0.2 0.2

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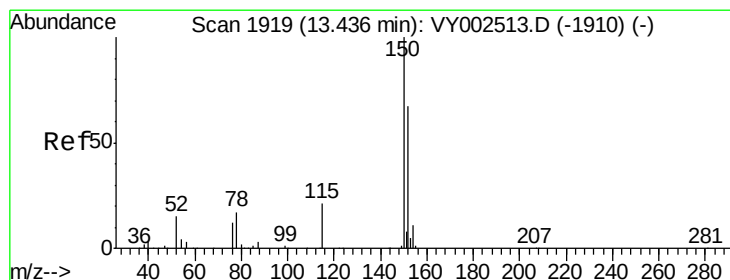
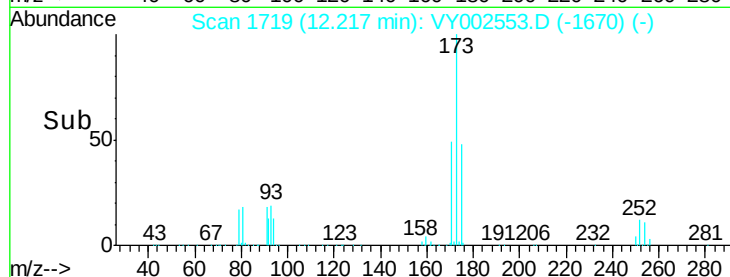
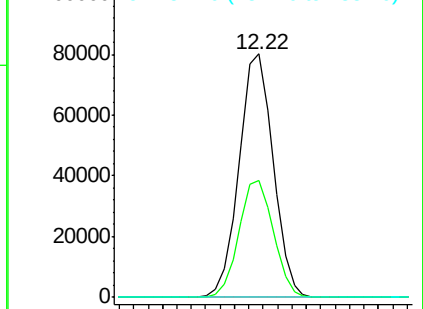
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

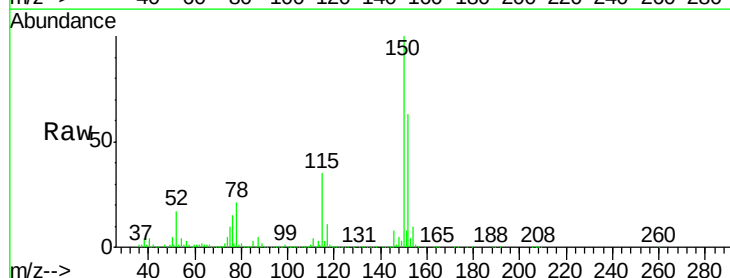
Tgt Ion:152 Resp: 280473

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

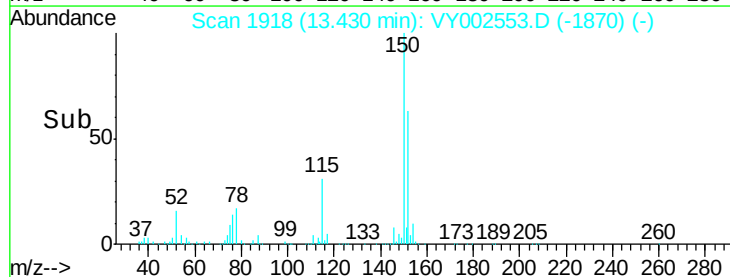
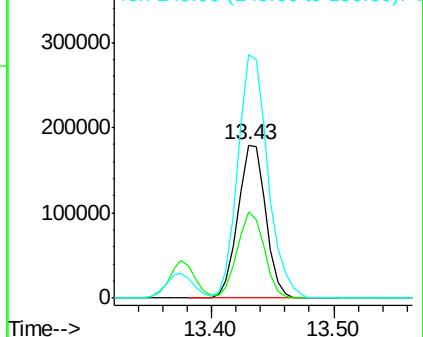
150 173.2 0.0 346.4

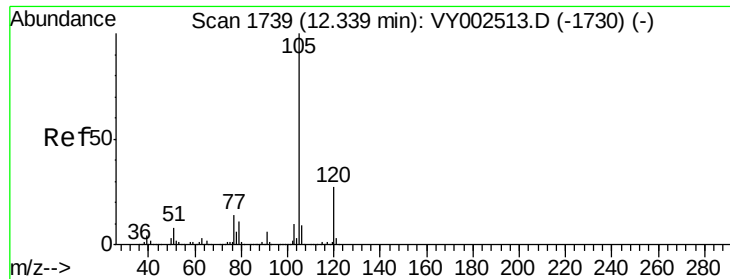


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.816 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 923707

Ion Ratio Lower Upper

105 100

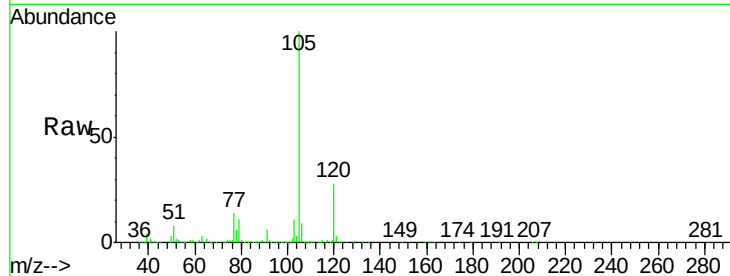
120 27.6 13.8 41.3

Manual Integrations

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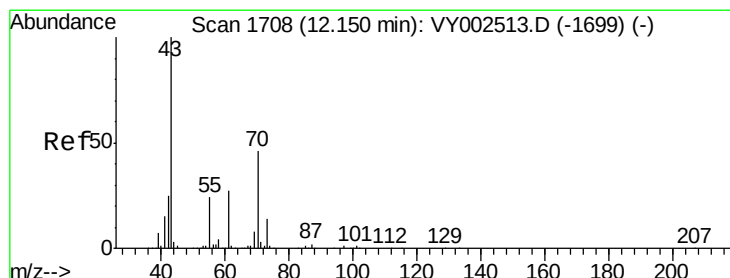
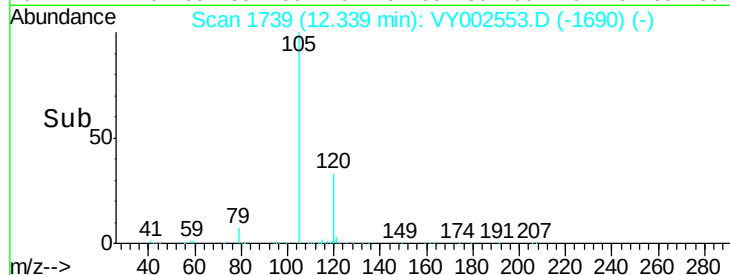
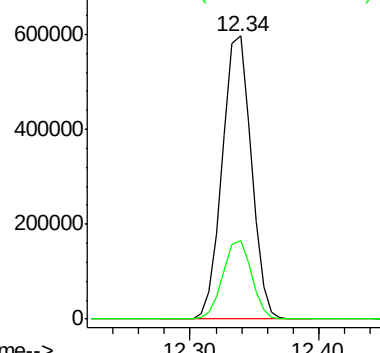
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.620 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion: 43 Resp: 243206

Ion Ratio Lower Upper

43 100

70 47.1 36.7 55.1

55 24.6 19.2 28.8

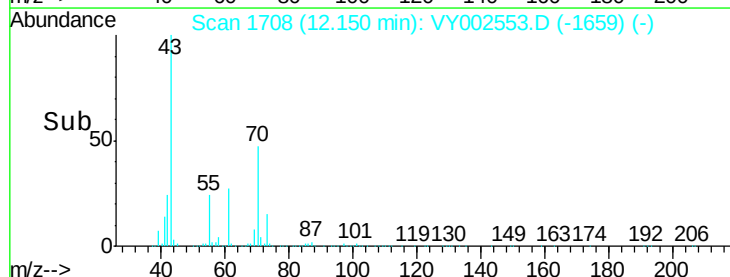
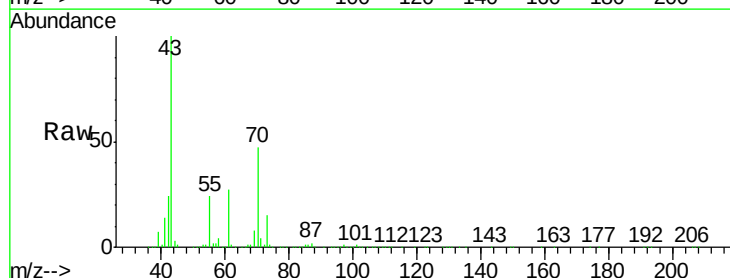
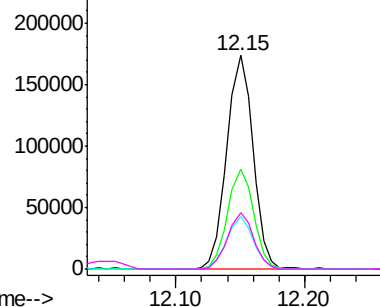
61 26.3 21.1 31.7

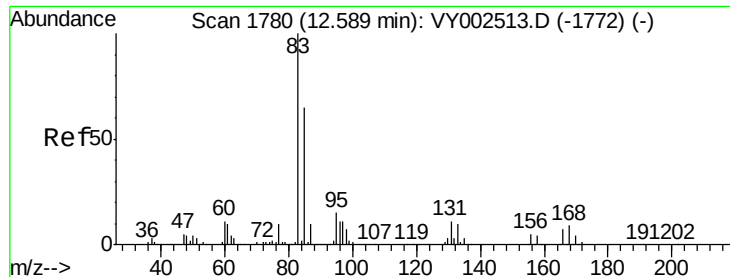
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.773 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

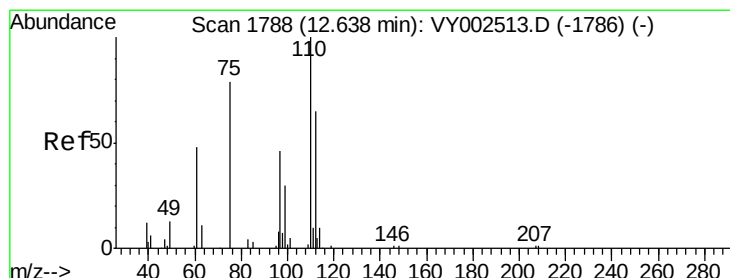
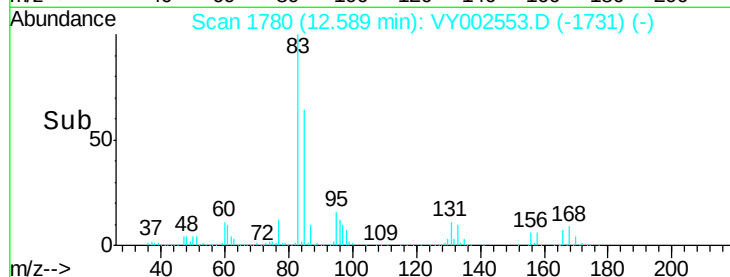
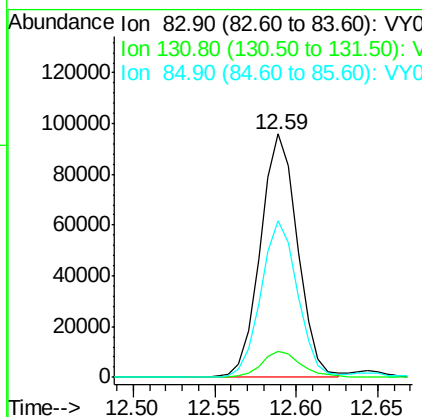
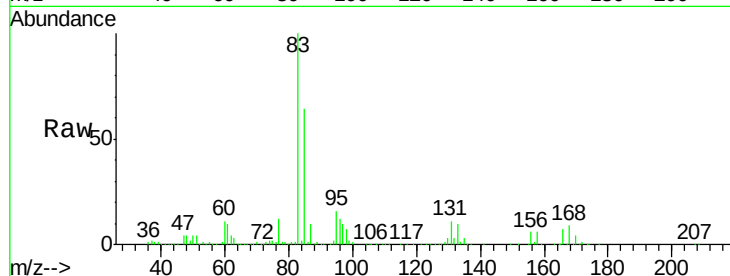
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149667
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.8
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.650 ug/l m

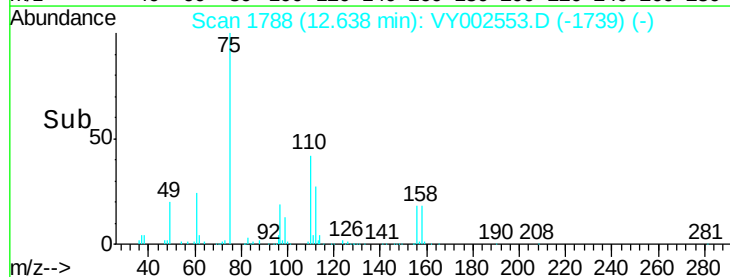
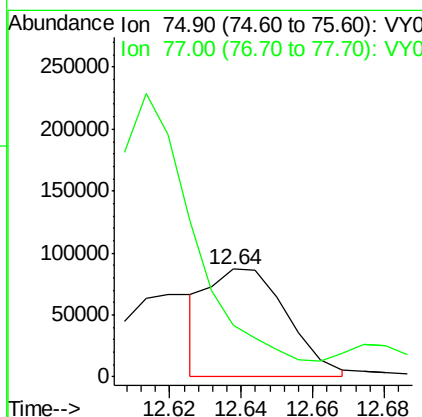
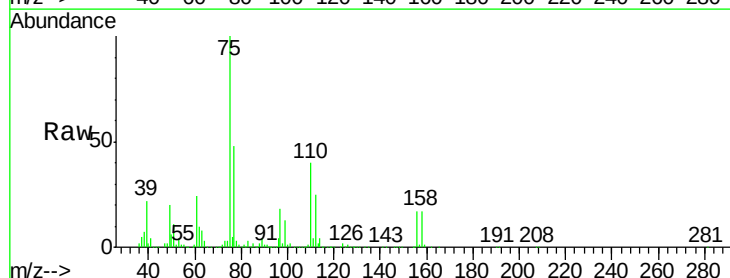
RT: 12.64 min Scan# 1788

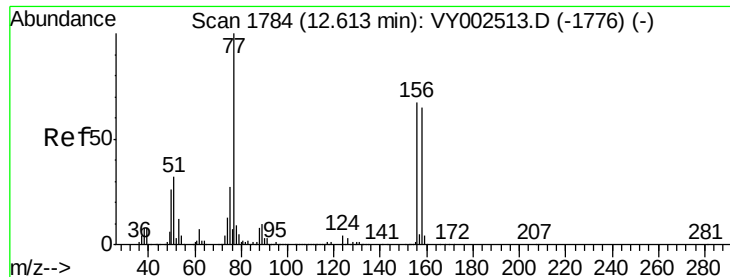
Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	75	Resp:	133722
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.528 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

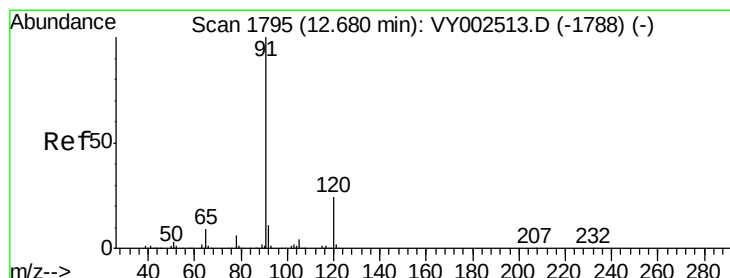
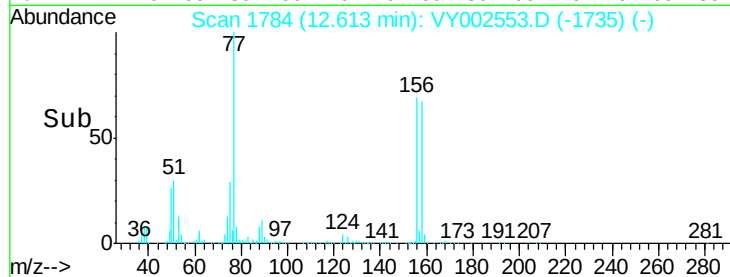
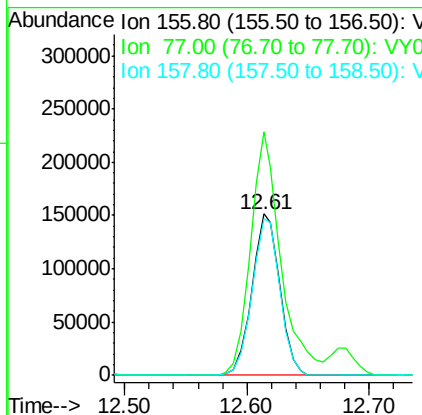
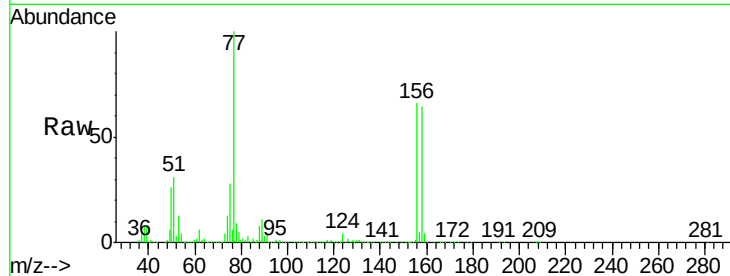
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	238551
Ion Ratio	Lower	Upper	
156	100		
77	165.7	82.0	245.8
158	97.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.396 ug/l

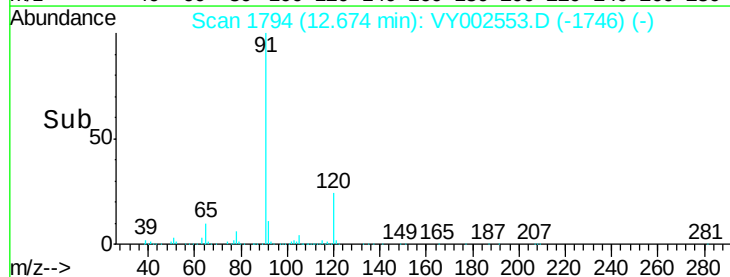
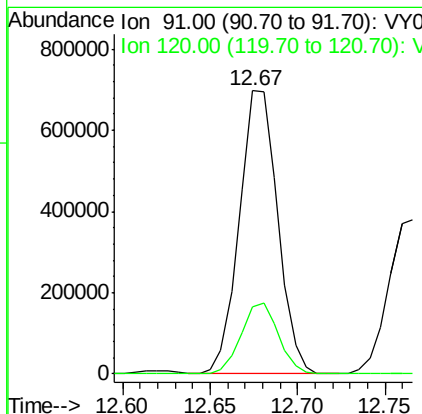
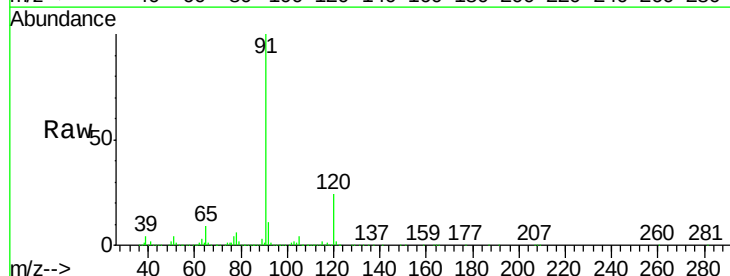
RT: 12.67 min Scan# 1794

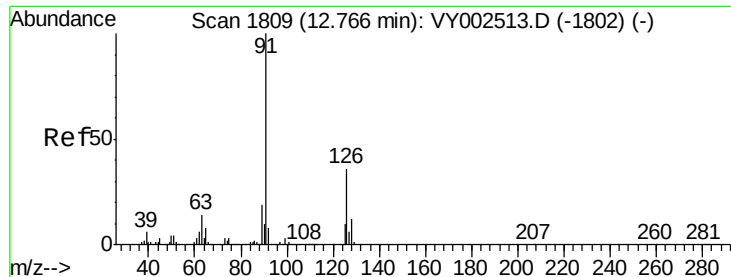
Delta R.T. -0.01 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Tgt Ion:	91	Resp:	1063079
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.2	36.4





#79

2-Chlorotoluene

Concen: 51.565 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 602526

Ion Ratio Lower Upper

91 100

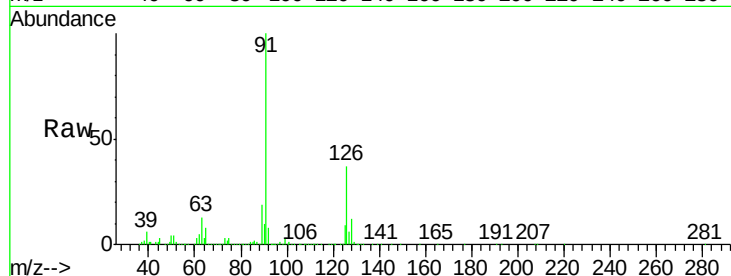
126 36.4 18.4 55.2

Manual Integrations

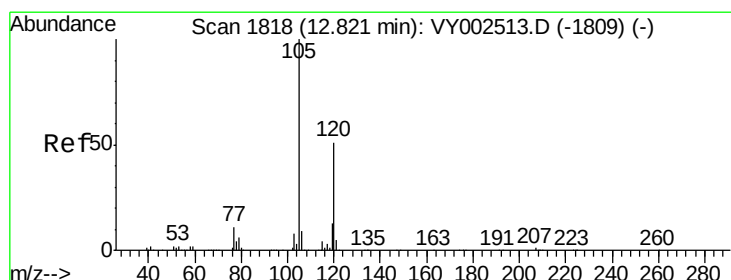
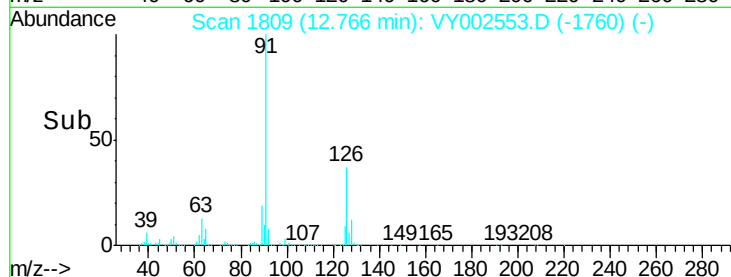
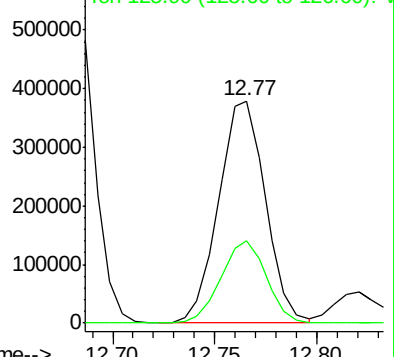
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Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.232 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002553.D

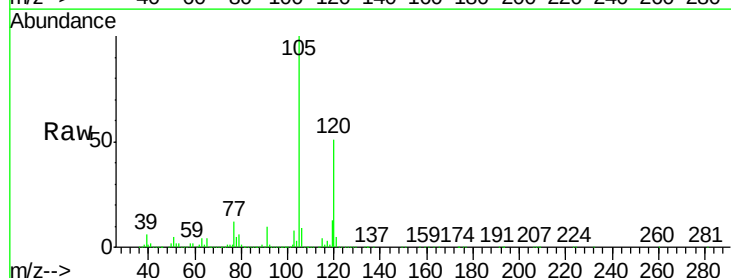
Acq: 04 May 2020 20:07

Tgt Ion: 105 Resp: 771949

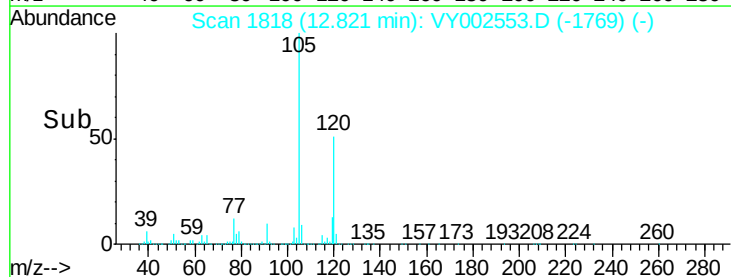
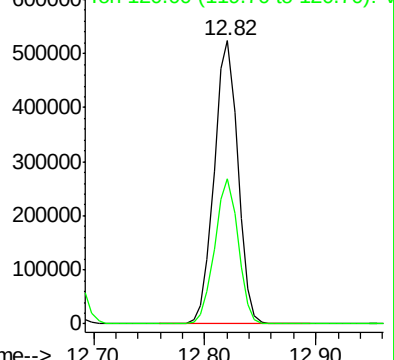
Ion Ratio Lower Upper

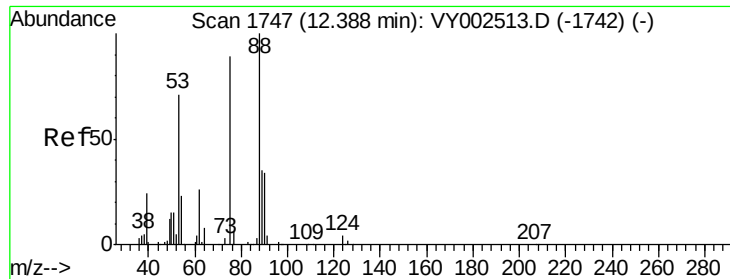
105 100

120 50.7 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002513.D (-1809) (-)





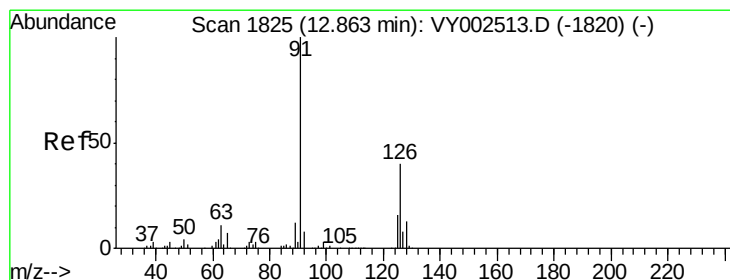
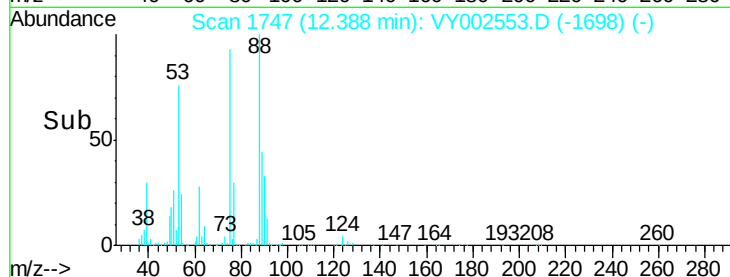
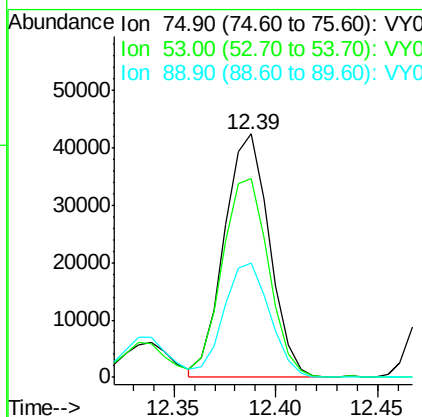
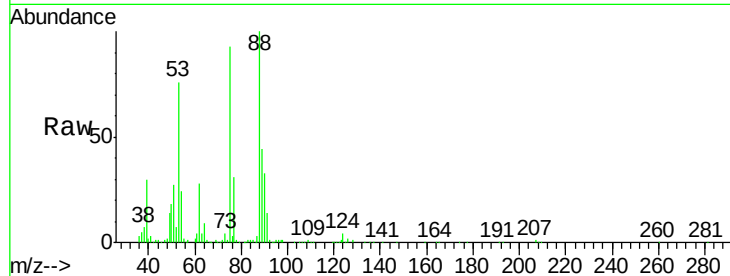
#81
trans-1,4-Dichloro-2-butene
Concen: 51.979 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.9	67.4	101.0
89	48.5	37.4	56.0

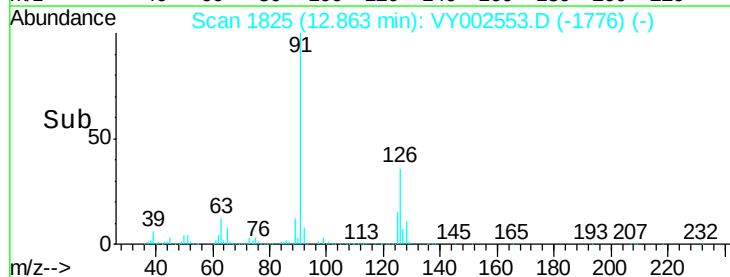
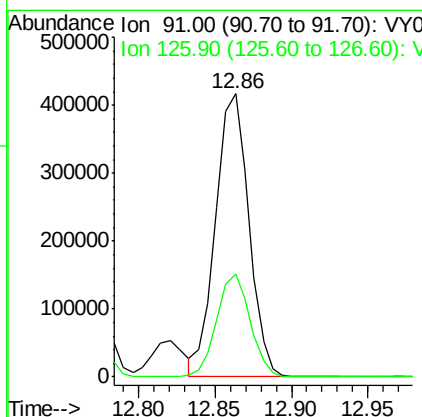
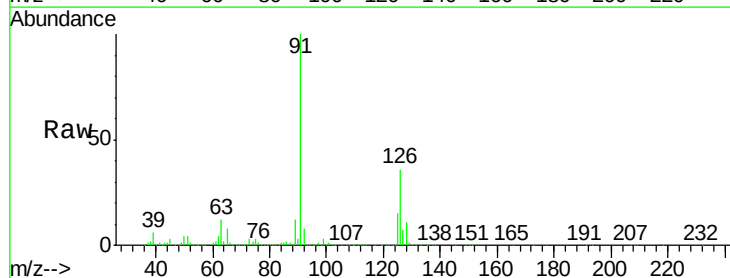
Manual Integrations
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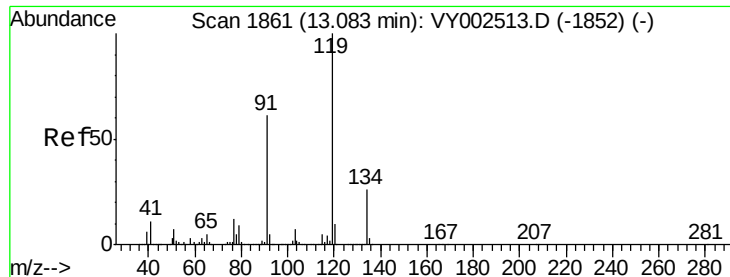
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#82
4-Chlorotoluene
Concen: 51.366 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.5	55.5





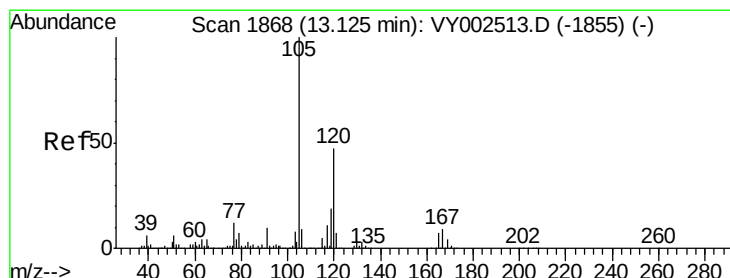
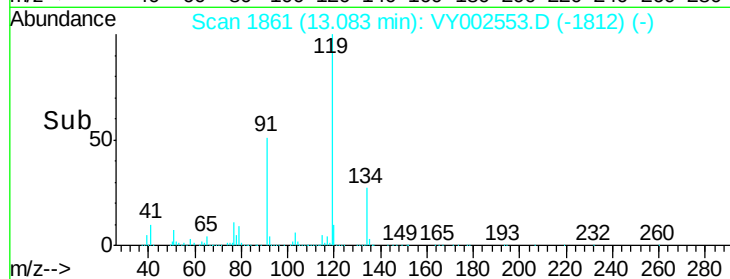
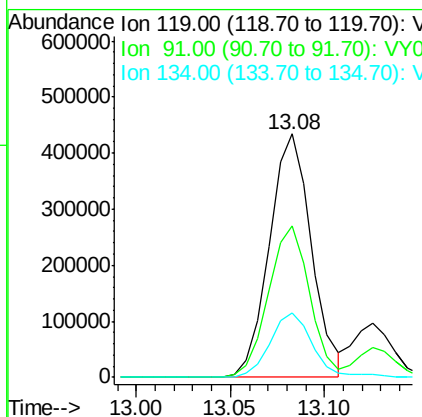
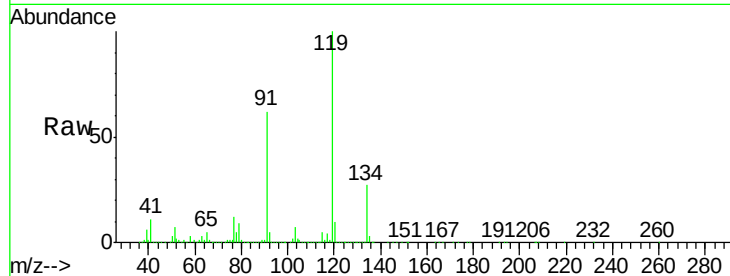
#83
 tert-Butylbenzene
 Concen: 50.837 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.6	91.6
134	27.1	13.5	40.4

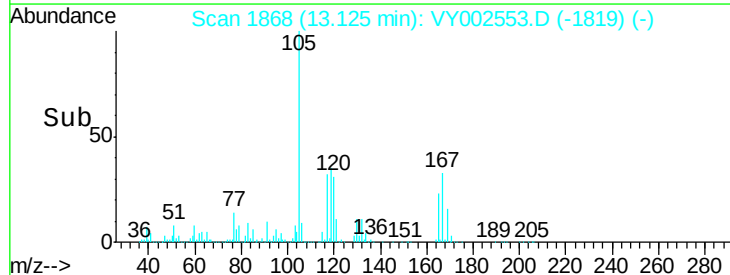
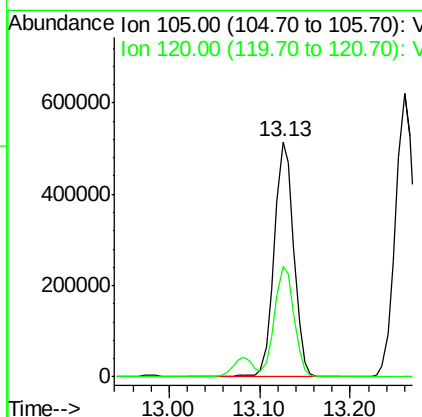
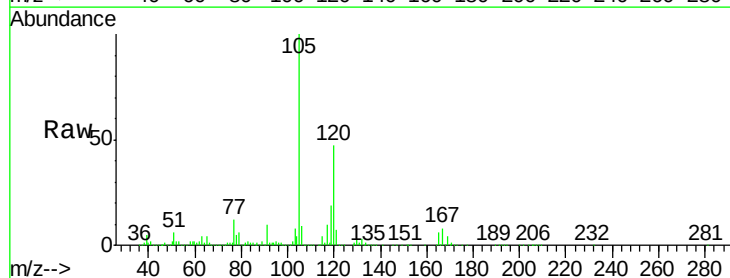
Manual Integrations
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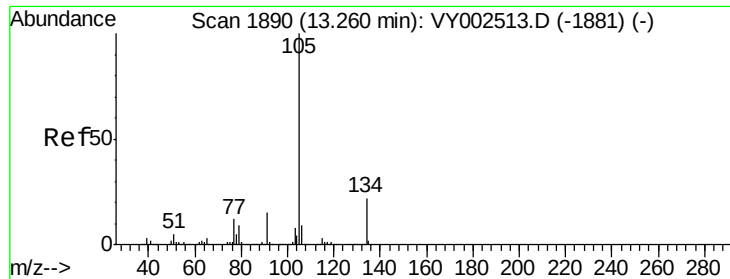
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.122 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.720 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 911504

Ion Ratio Lower Upper

105 100

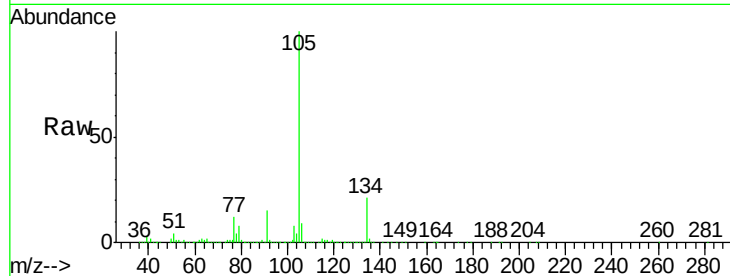
134 21.6 10.8 32.3

Manual Integrations

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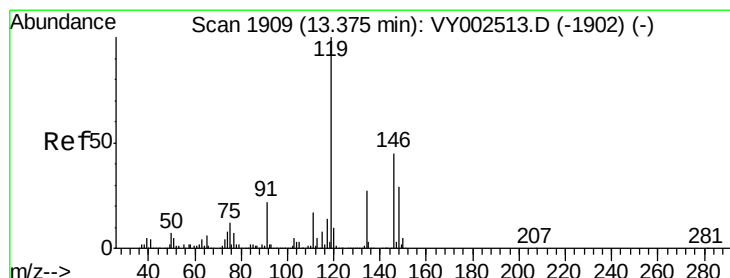
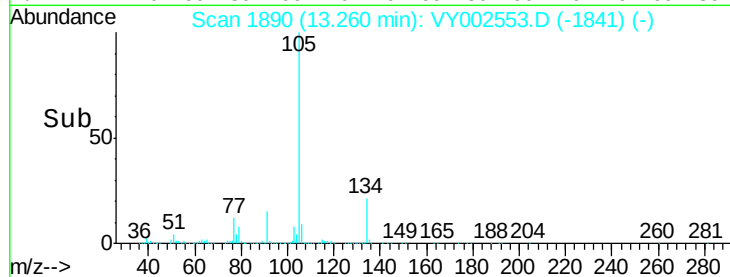
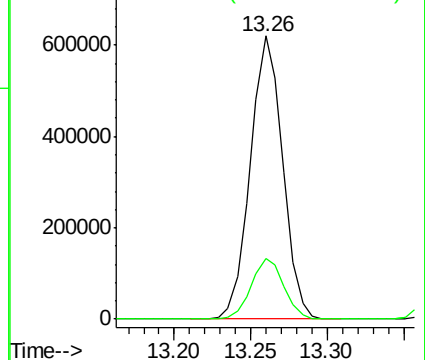
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.941 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002553.D

Acq: 04 May 2020 20:07

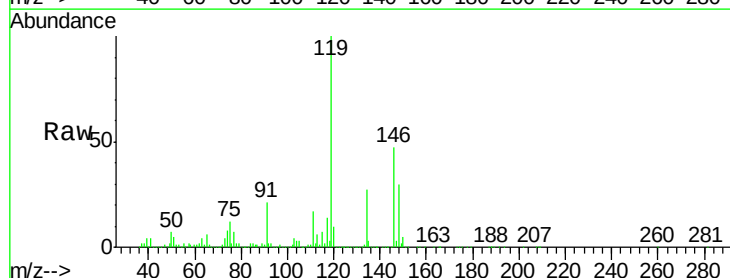
Tgt Ion:119 Resp: 857863

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

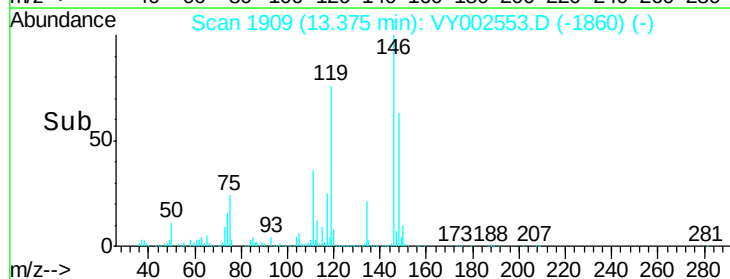
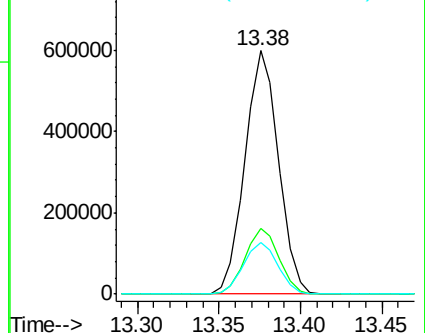
91 21.8 10.9 32.9

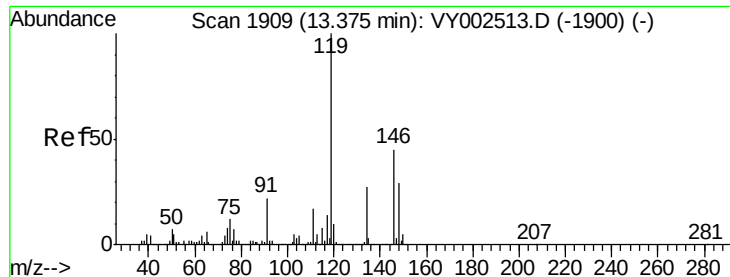


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





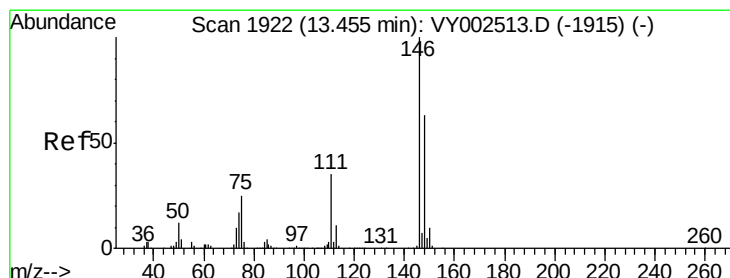
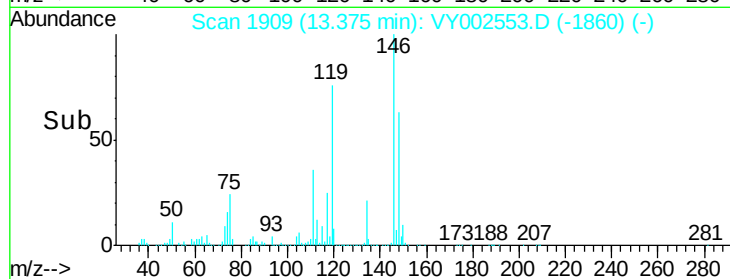
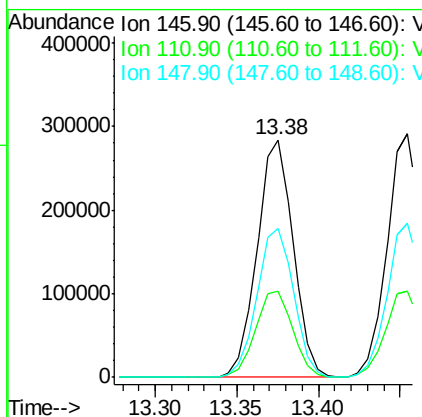
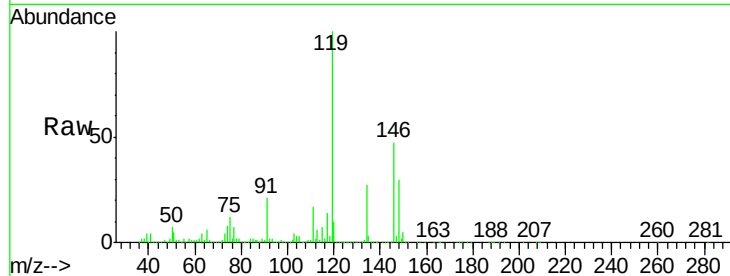
#87
 1,3-Dichlorobenzene
 Concen: 50.950 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	63.8	32.1	96.3

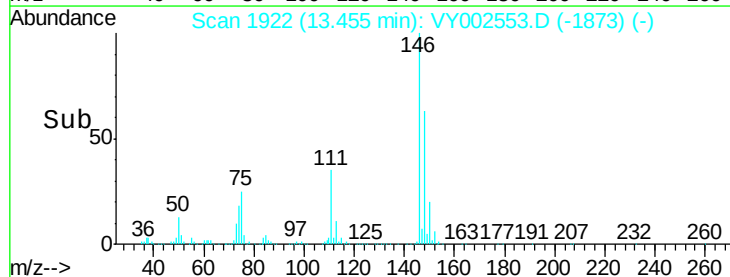
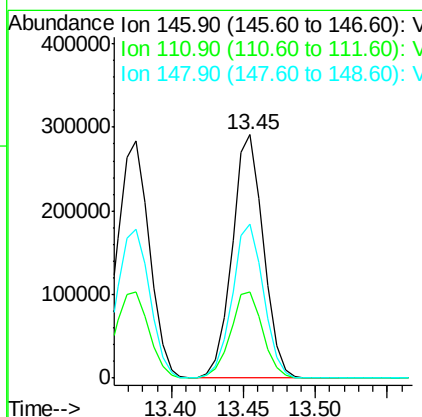
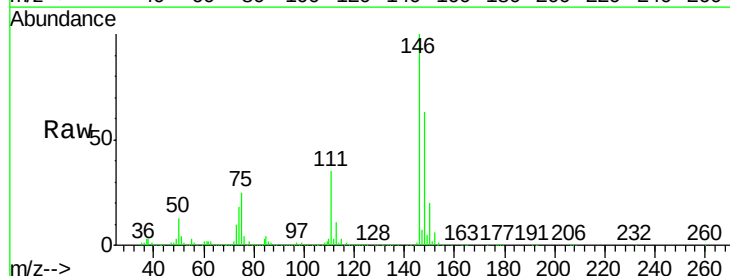
Manual Integrations
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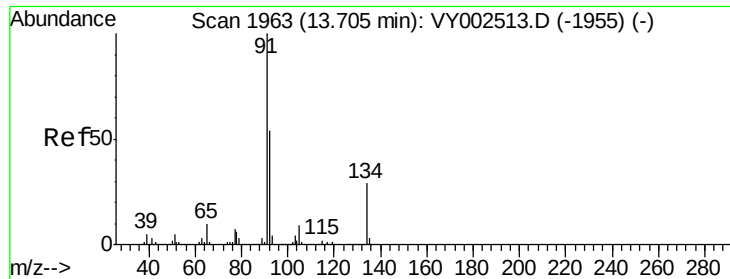
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#88
 1,4-Dichlorobenzene
 Concen: 51.546 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	63.7	31.9	95.5





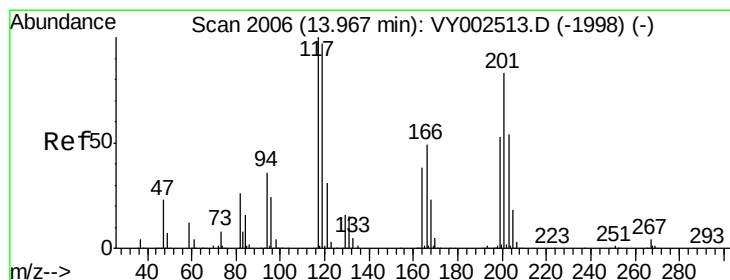
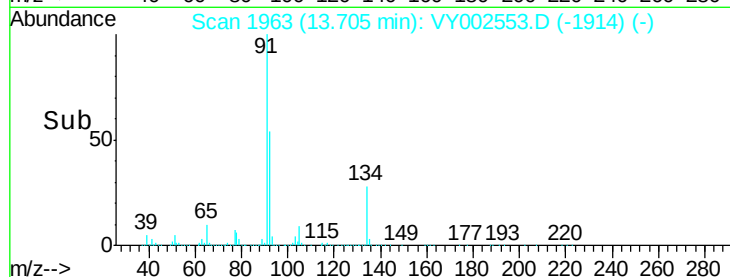
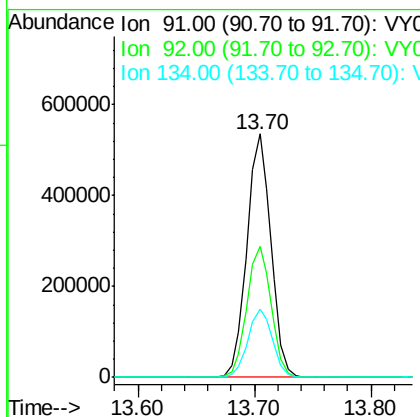
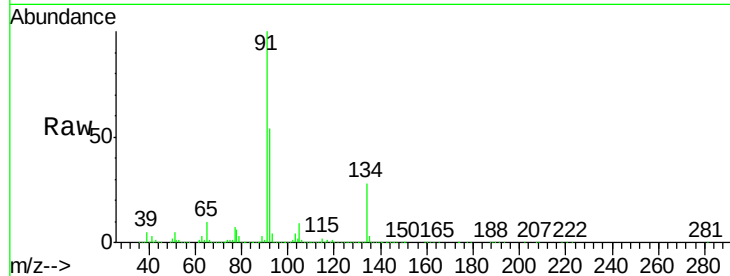
#89
n-Butylbenzene
Concen: 49.135 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.1	81.3
134	28.5	14.4	43.0

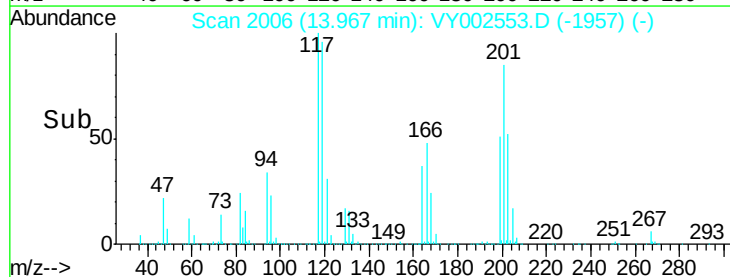
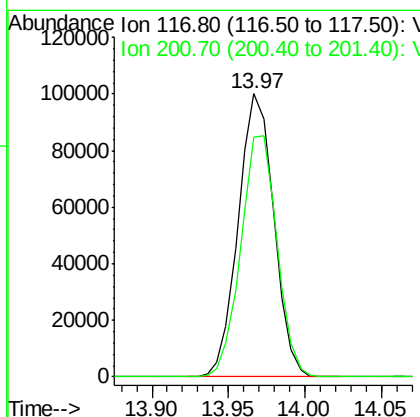
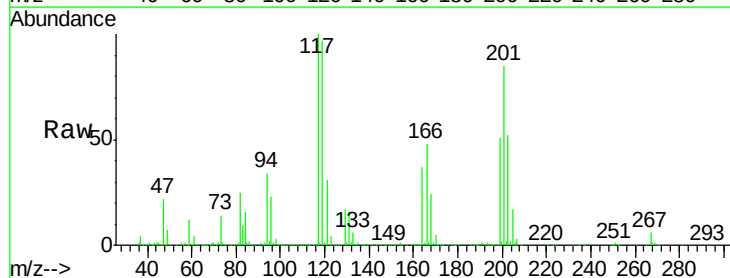
Manual Integrations
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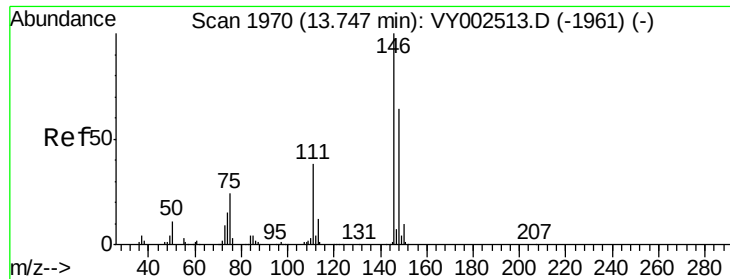
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#90
Hexachloroethane
Concen: 51.526 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.4	133.2





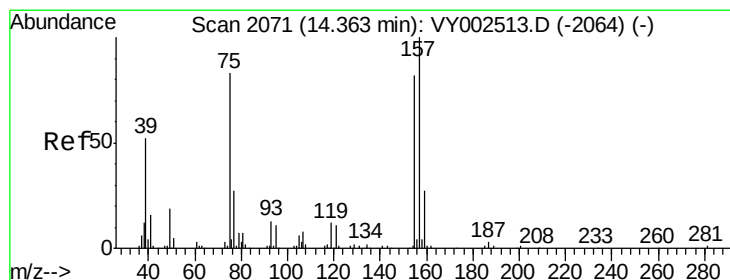
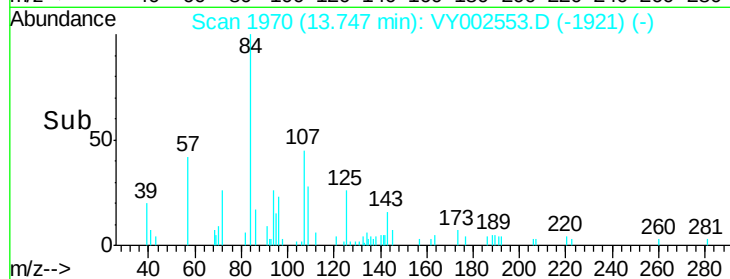
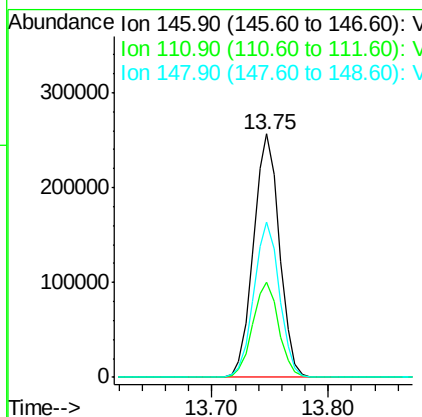
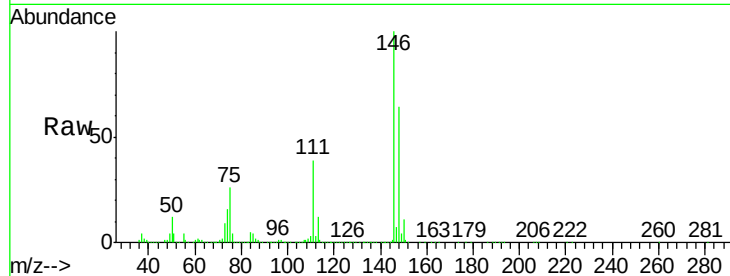
#91
 1,2-Dichlorobenzene
 Concen: 51.997 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	398802		
111	39.1	19.1	57.5	
148	63.1	31.9	95.7	

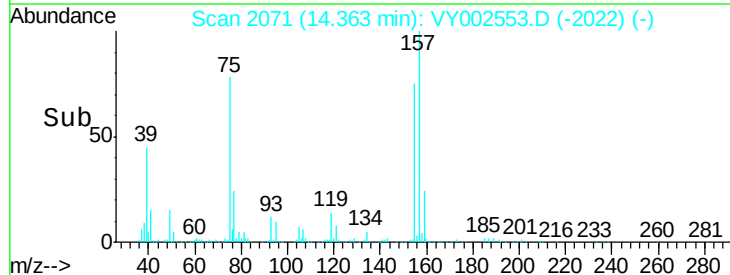
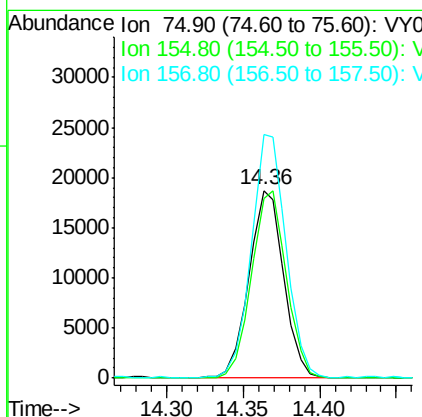
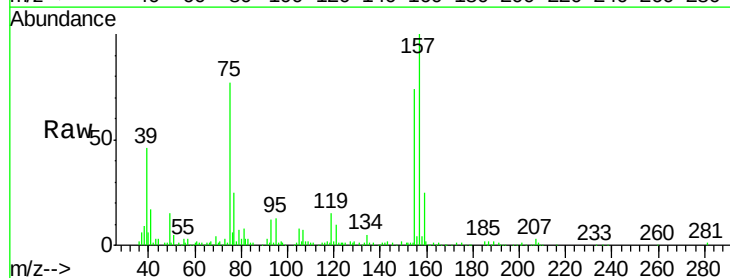
Manual Integrations
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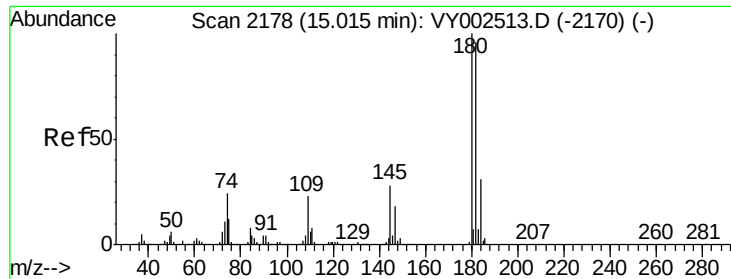
MMDadoda
 5/5/2020 11:29:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.610 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29428		
155	100.2	51.3	153.9	
157	130.4	65.0	195.0	





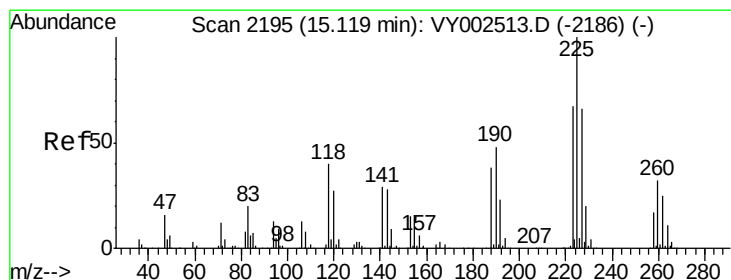
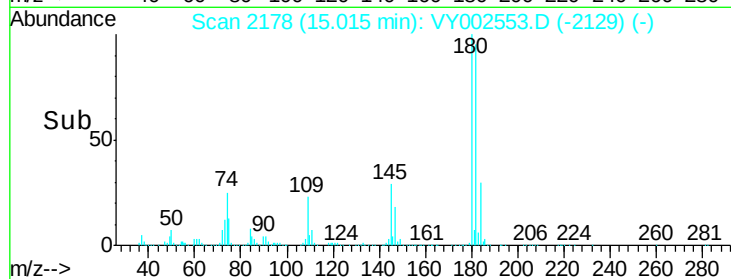
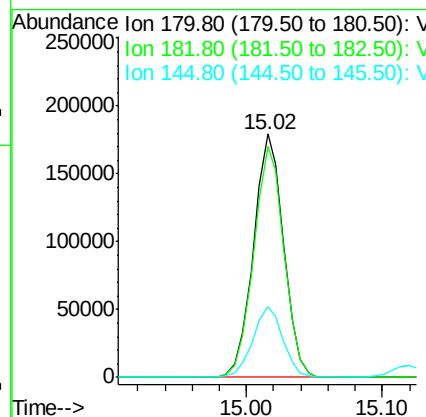
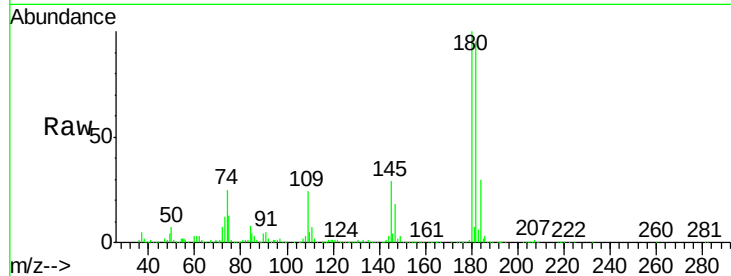
#93
 1,2,4-Trichlorobenzene
 Concen: 49.924 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277991		
182	95.5	47.9	143.6	
145	28.8	14.4	43.0	

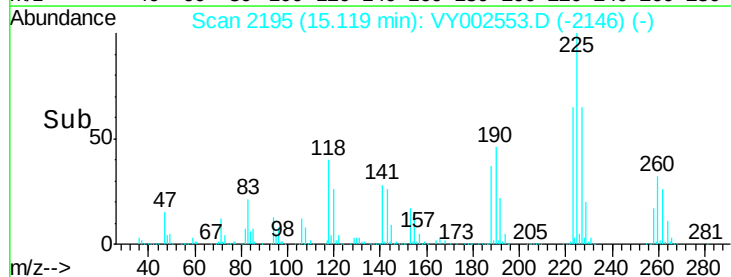
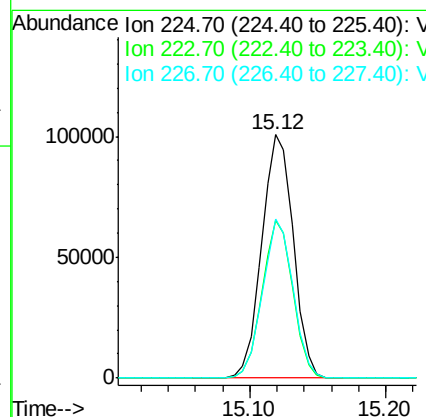
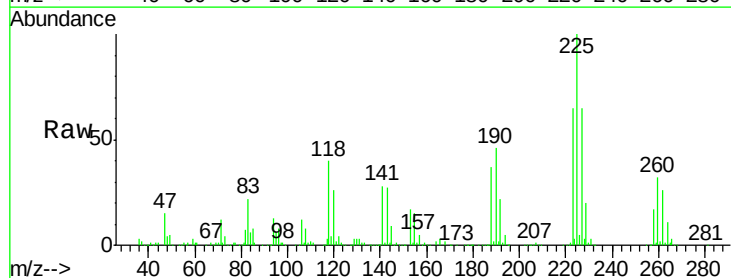
Manual Integrations
 APPROVED

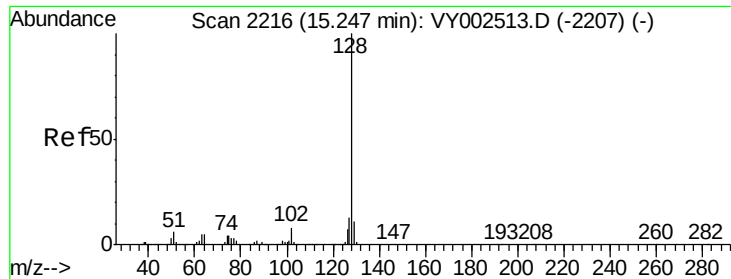
MMDadoda
 5/5/2020 11:29:17 AM



#94
 Hexachlorobutadiene
 Concen: 49.056 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002553.D
 Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163965		
223	63.1	32.1	96.5	
227	63.2	32.0	96.2	





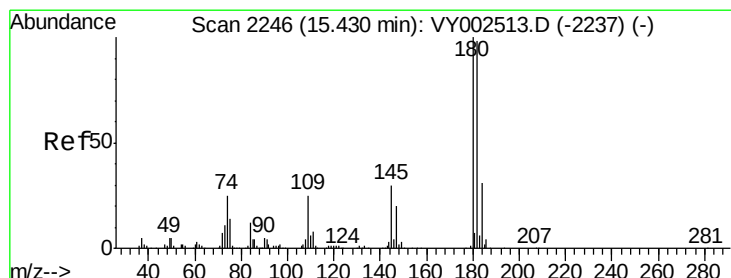
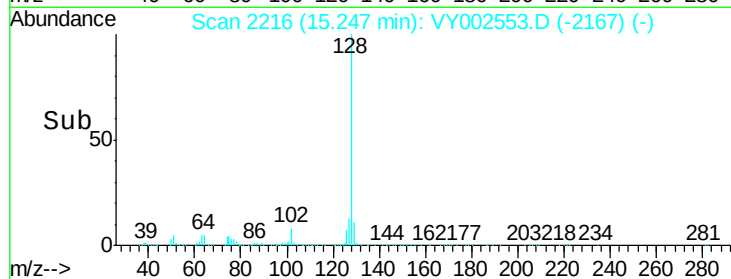
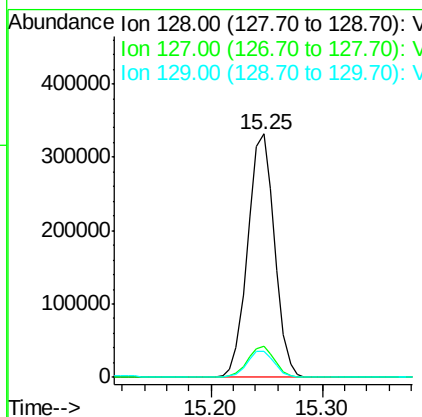
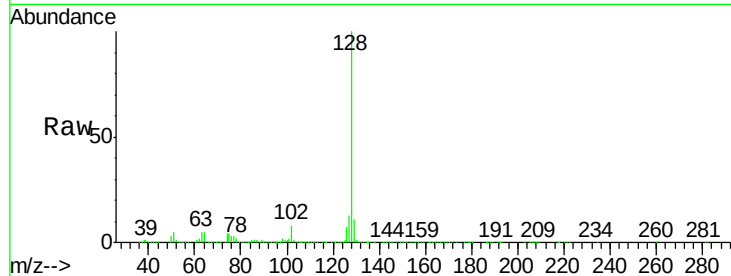
#95
Naphthalene
Concen: 54.773 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	556379		
127	12.8		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.228 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002553.D
Acq: 04 May 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	242158		
182	95.6		47.9	143.8
145	30.6		15.0	45.1

