

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002555.D
 Acq On : 04 May 2020 21:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:14 AM

Quant Time: May 05 08:44:11 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	7.82	168	386602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	590880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	538482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	273771	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	165527	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
35) Dibromofluoromethane	7.74	113	173689	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.19	98	669376	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.49	95	228644	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	166746	52.120	ug/l	99
3) Chloromethane	2.13	50	173065	55.254	ug/l	99
4) Vinyl Chloride	2.26	62	201158	55.619	ug/l	99
5) Bromomethane	2.66	94	135366	54.273	ug/l	99
6) Chloroethane	2.81	64	116731	54.054	ug/l	99
7) Trichlorofluoromethane	3.15	101	291742	52.047	ug/l	98
8) Diethyl Ether	3.55	74	105119	55.805	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	179203	52.309	ug/l	99
10) Methyl Iodide	4.12	142	271280	58.123	ug/l	99
11) Tert butyl alcohol	4.99	59	83549	249.823	ug/l	100
12) 1,1-Dichloroethene	3.90	96	177873	53.446	ug/l	99
13) Acrolein	3.76	56	60848	263.113	ug/l	96
14) Allyl chloride	4.51	41	269331	55.543	ug/l	99
15) Acrylonitrile	5.20	53	238886	268.922	ug/l	99
16) Acetone	3.97	43	172223	256.721	ug/l	98
17) Carbon Disulfide	4.22	76	551055	55.039	ug/l	99
18) Methyl Acetate	4.51	43	118752	52.979	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	477972	55.048	ug/l	99
20) Methylene Chloride	4.75	84	200936	53.561	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	200966	55.248	ug/l	99
22) Diisopropyl ether	6.15	45	551371	56.197	ug/l	98
23) Vinyl Acetate	6.10	43	1711936	277.444	ug/l	100
24) 1,1-Dichloroethane	6.05	63	324792	55.956	ug/l	99
25) 2-Butanone	7.02	43	289925	264.012	ug/l	99
26) 2,2-Dichloropropane	7.01	77	266921	48.379	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	224230	55.711	ug/l	98
28) Bromochloromethane	7.36	49	137317	57.740	ug/l	99
29) Tetrahydrofuran	7.38	42	195998	269.763	ug/l	100
30) Chloroform	7.53	83	330719	54.798	ug/l	99
31) Cyclohexane	7.81	56	299635	51.284	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	298369	53.189	ug/l	99
36) 1,1-Dichloropropene	7.94	75	260335	52.557	ug/l	99
37) Ethyl Acetate	7.10	43	132459	52.038	ug/l	100
38) Carbon Tetrachloride	7.93	117	276039	51.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	335364	51.259	ug/l	99
40) Benzene	8.18	78	768907	53.745	ug/l	100
41) Methacrylonitrile	7.34	41	63184m	46.167	ug/l	
42) 1,2-Dichloroethane	8.26	62	211791	52.777	ug/l	99
43) Isopropyl Acetate	8.29	43	252462	52.905	ug/l	100
44) Trichloroethene	8.96	130	240144	53.712	ug/l	100
45) 1,2-Dichloropropane	9.24	63	186657	54.060	ug/l	98
46) Dibromomethane	9.32	93	106733	53.726	ug/l	100
47) Bromodichloromethane	9.52	83	259213	53.662	ug/l	99
48) Methyl methacrylate	9.31	41	114601	53.065	ug/l	99
49) 1,4-Dioxane	9.32	88	30360	1154.228	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	651498	264.874	ug/l	100
52) Toluene	10.26	92	490068	53.301	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	267012	52.757	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	309984	52.980	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	154130	53.203	ug/l	99
56) Ethyl methacrylate	10.52	69	210869	54.715	ug/l	98
57) 1,3-Dichloropropane	10.80	76	259989	52.920	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	554085	272.628	ug/l	99
59) 2-Hexanone	10.85	43	449686	265.630	ug/l	100
60) Dibromochloromethane	11.00	129	200392	54.386	ug/l	98
61) 1,2-Dibromoethane	11.10	107	152414	53.133	ug/l	99
64) Tetrachloroethene	10.73	164	262567	54.880	ug/l	98
65) Chlorobenzene	11.53	112	537921	52.549	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	205855	54.175	ug/l	99
67) Ethyl Benzene	11.60	91	940502	52.305	ug/l	99
68) m/p-Xylenes	11.71	106	728044	104.644	ug/l	100
69) o-Xylene	12.04	106	345345	53.014	ug/l	100
70) Styrene	12.05	104	601463	54.009	ug/l	99
71) Bromoform	12.22	173	125286	53.122	ug/l	100
73) Isopropylbenzene	12.34	105	927029	52.248	ug/l	100
74) N-amyl acetate	12.16	43	230849	54.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	141659	50.202	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	112606m	46.284	ug/l	
77) Bromobenzene	12.62	156	237212	53.512	ug/l	99
78) n-propylbenzene	12.68	91	1073626	52.142	ug/l	100
79) 2-Chlorotoluene	12.77	91	601851	52.768	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	778862	52.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60601	49.947	ug/l	99
82) 4-Chlorotoluene	12.86	91	623561	52.047	ug/l	99
83) tert-Butylbenzene	13.08	119	691508	53.622	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	778114	53.085	ug/l	100
85) sec-Butylbenzene	13.27	105	932666	52.120	ug/l	100
86) p-Isopropyltoluene	13.38	119	868346	51.788	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	441802	52.658	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	435026	52.364	ug/l	99
89) n-Butylbenzene	13.70	91	785564	51.465	ug/l	100
90) Hexachloroethane	13.97	117	164711	53.942	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	394730	52.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27601	52.473	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	281110	51.720	ug/l	100
94) Hexachlorobutadiene	15.13	225	170597	52.290	ug/l	98
95) Naphthalene	15.25	128	532890	53.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	241297	52.295	ug/l	99

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

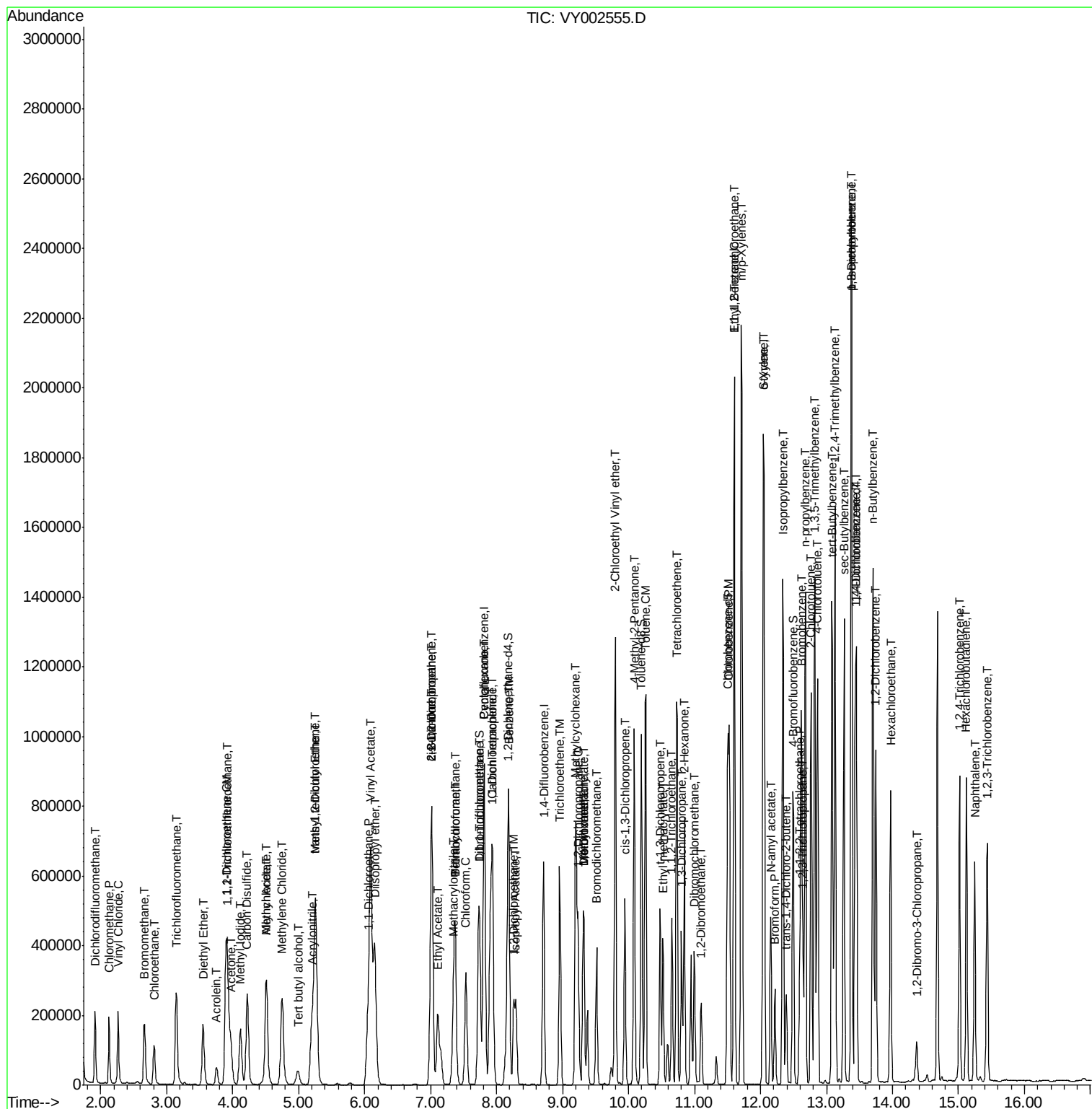
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
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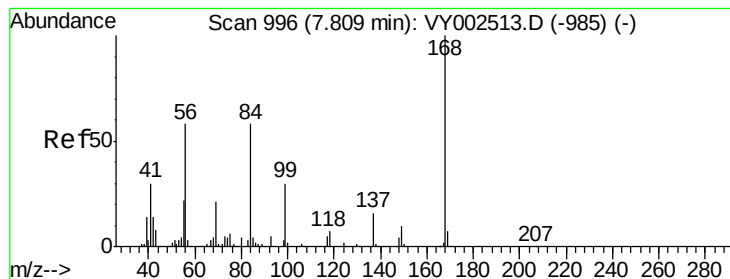
Instrument :
MSVOA_Y
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 386602

Ion Ratio Lower Upper

168 100

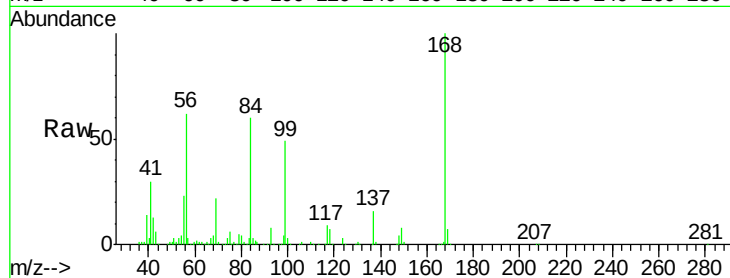
99 49.2 39.2 58.8

Manual Integrations

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5/5/2020 11:29:14 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

200000

150000

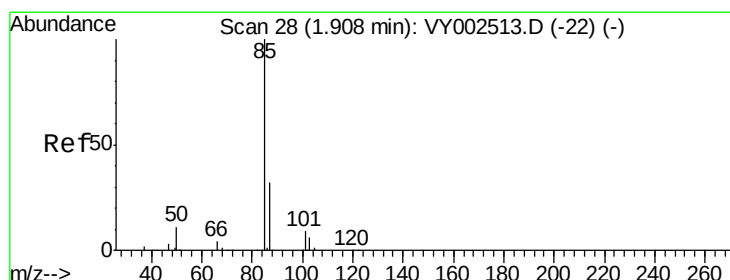
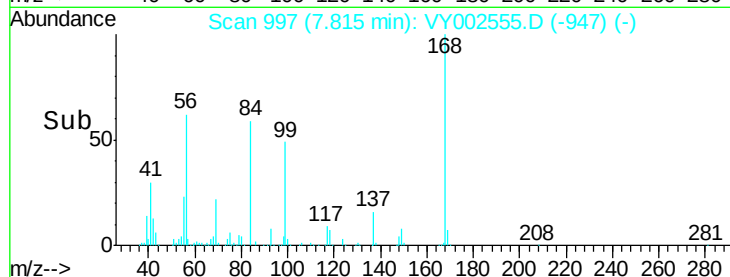
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.120 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002555.D

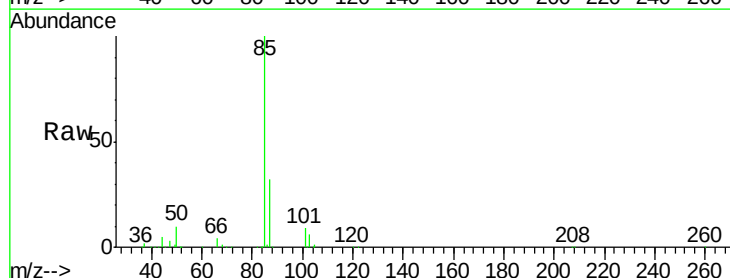
Acq: 04 May 2020 21:33

Tgt Ion: 85 Resp: 166746

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

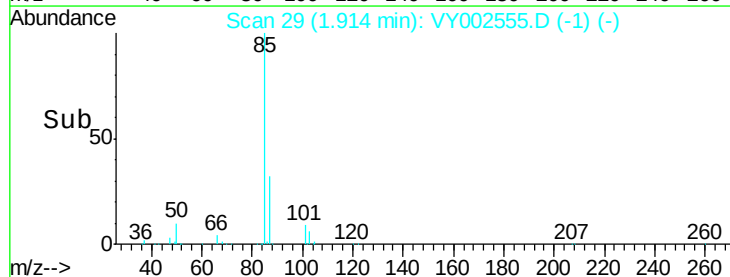
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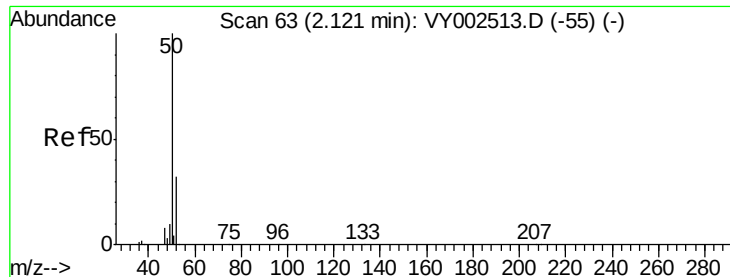
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 55.254 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 173065

Ion Ratio Lower Upper

50 100

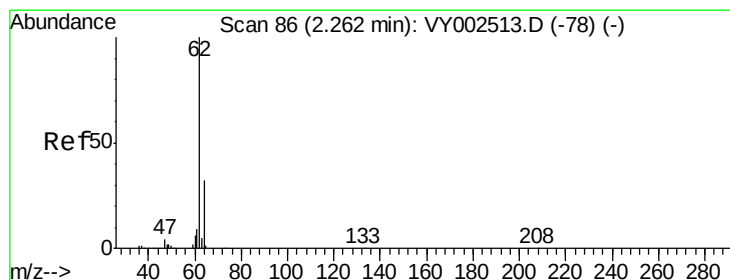
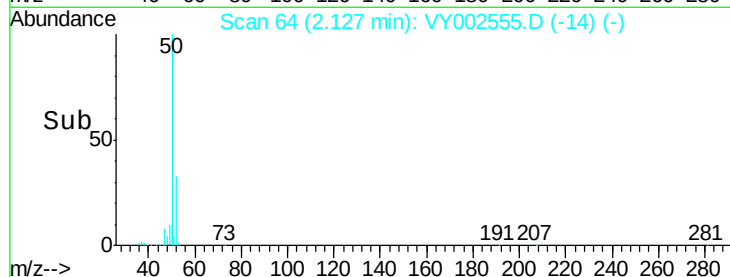
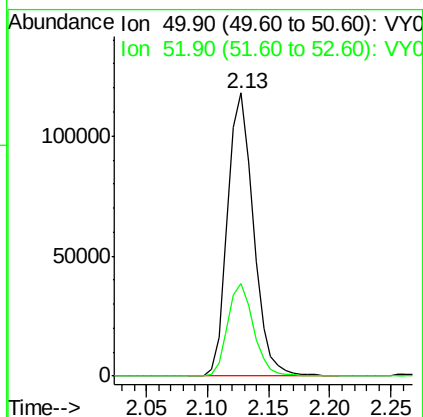
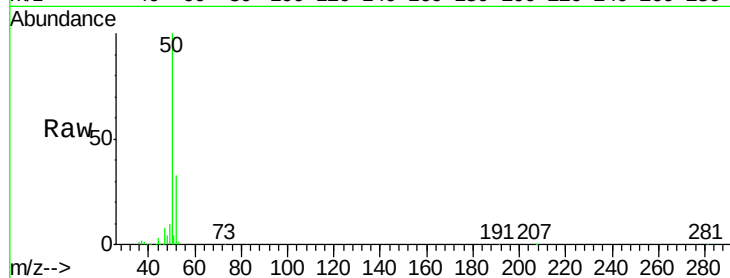
52 32.8 25.9 38.9

Manual Integrations

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5/5/2020 11:29:14 AM



#4

Vinyl Chloride

Concen: 55.619 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002555.D

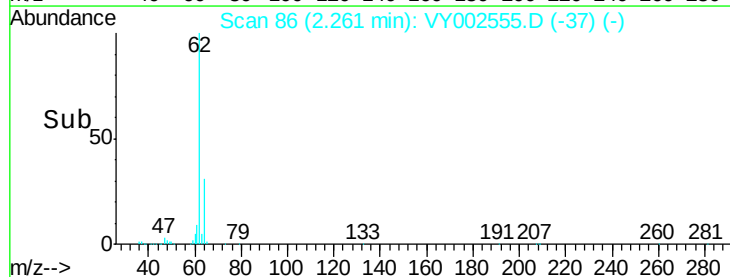
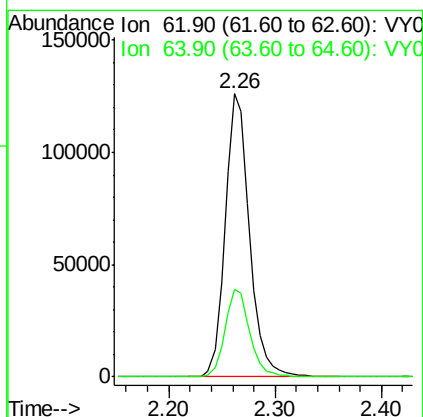
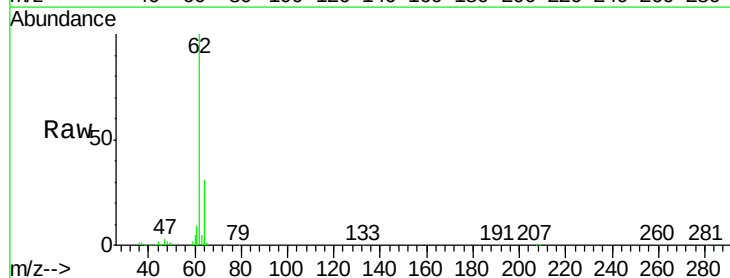
Acq: 04 May 2020 21:33

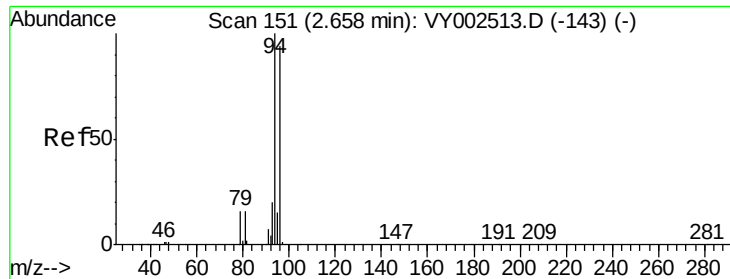
Tgt Ion: 62 Resp: 201158

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 54.273 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 135366

Ion Ratio Lower Upper

94 100

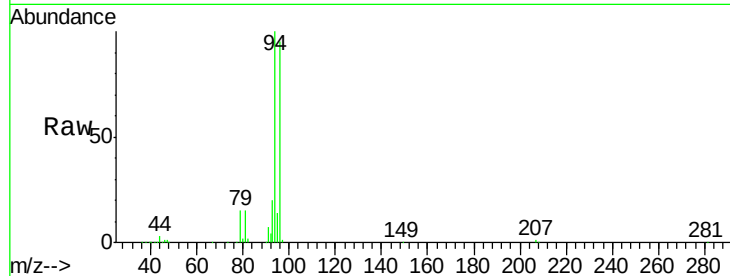
96 94.7 74.9 112.3

Manual Integrations

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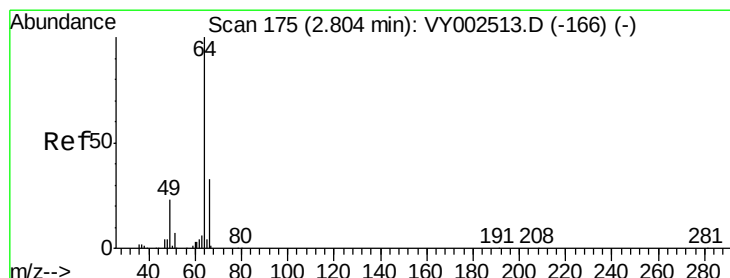
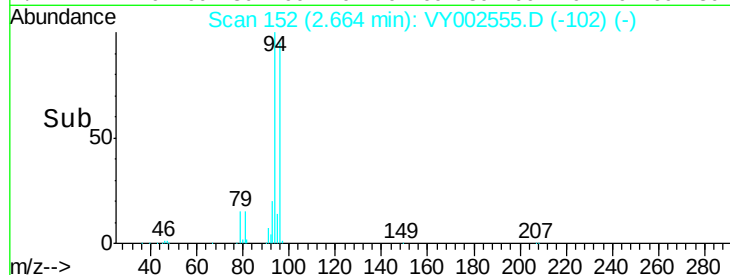
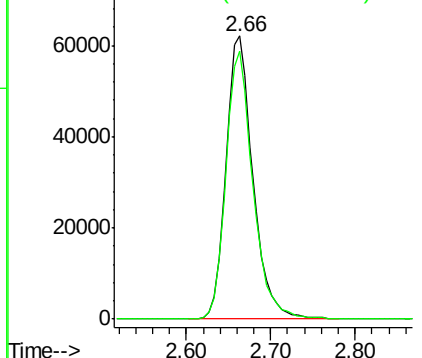
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 54.054 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002555.D

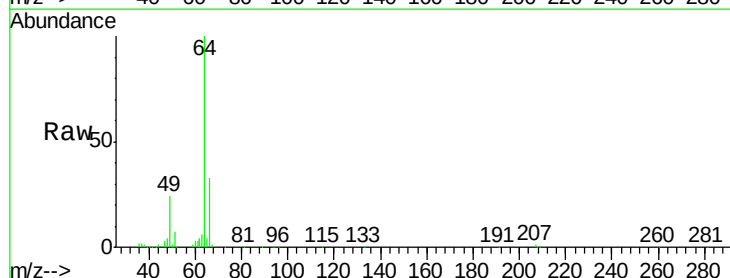
Acq: 04 May 2020 21:33

Tgt Ion: 64 Resp: 116731

Ion Ratio Lower Upper

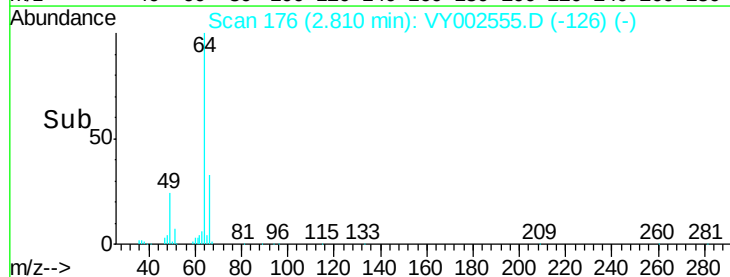
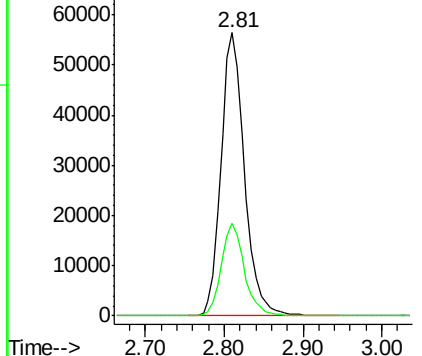
64 100

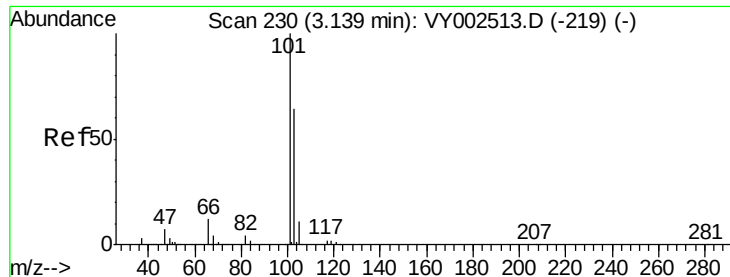
66 32.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

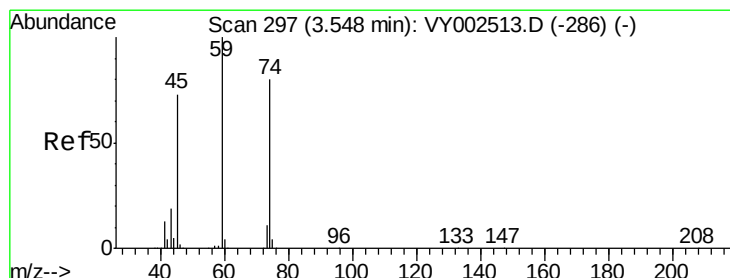
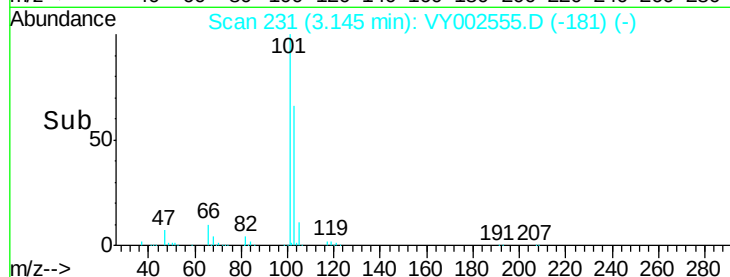
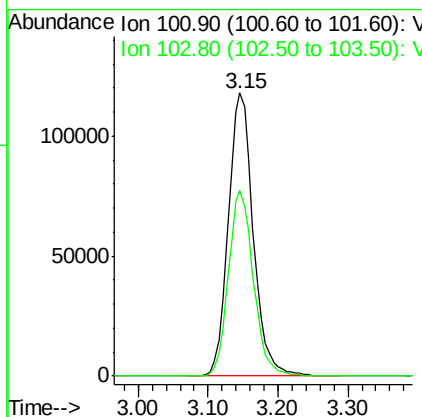
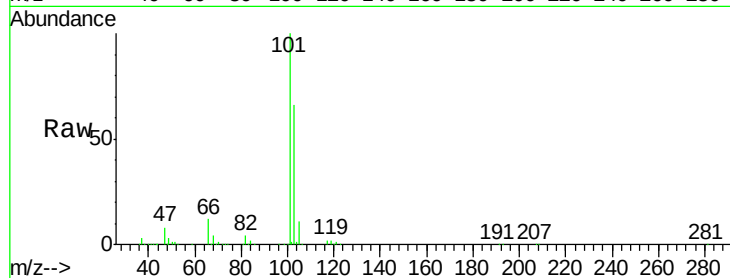
Trichlorofluoromethane
Concen: 52.047 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002555.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	291742		
103	65.8	51.4	77.0	

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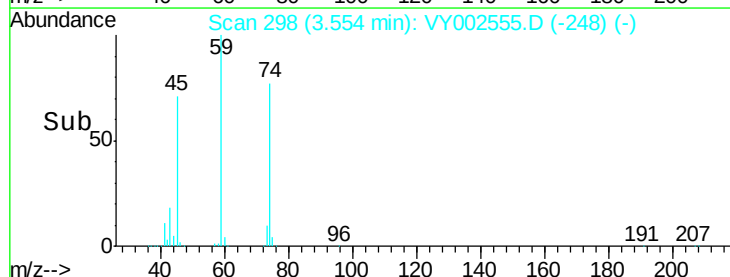
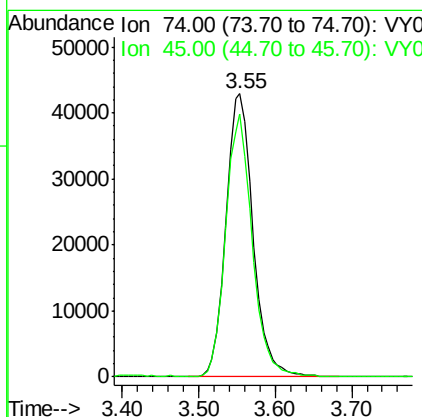
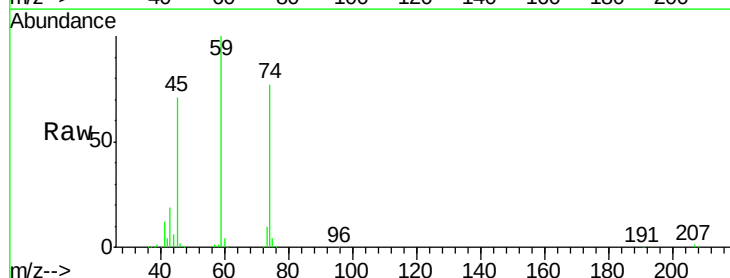
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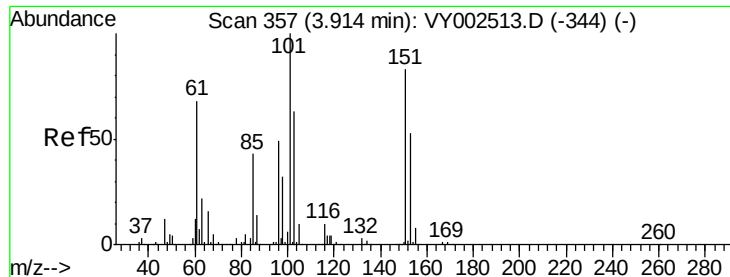


#8

Diethyl Ether
Concen: 55.805 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	105119		
45	91.1	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.309 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

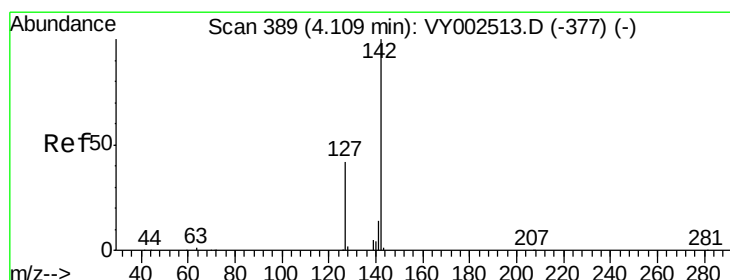
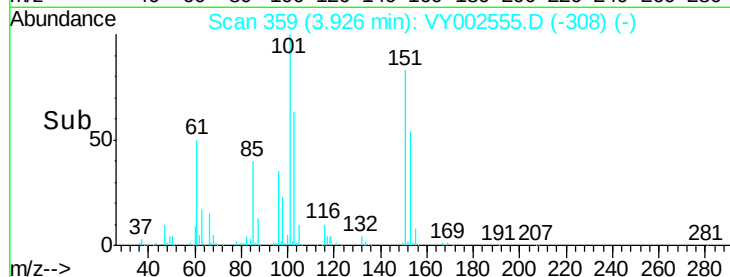
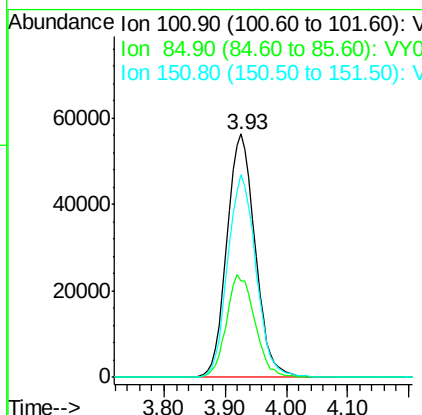
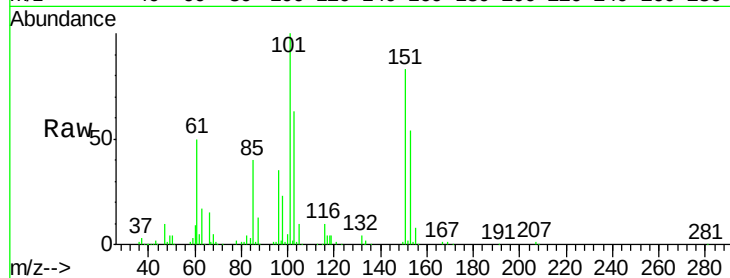
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	179203
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.4	50.2
151	83.7	66.8	100.2

Manual Integrations
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5/5/2020 11:29:14 AM



#10

Methyl Iodide

Concen: 58.123 ug/l

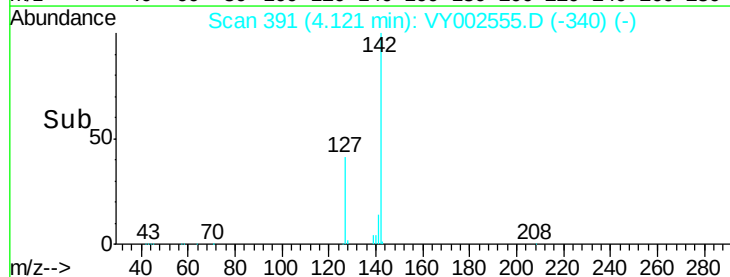
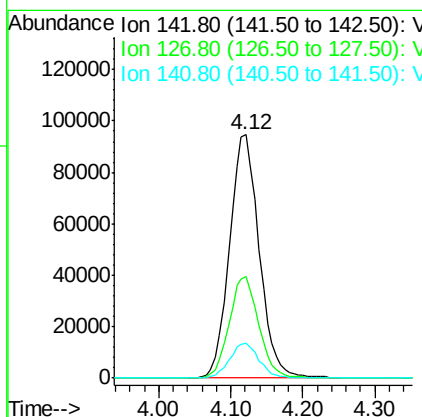
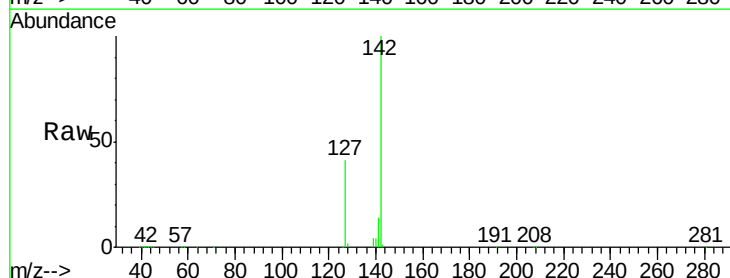
RT: 4.12 min Scan# 391

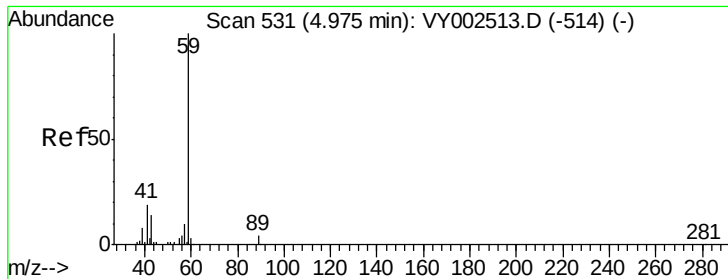
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	142	Resp:	271280
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.7	50.5
141	14.1	11.4	17.0





#11

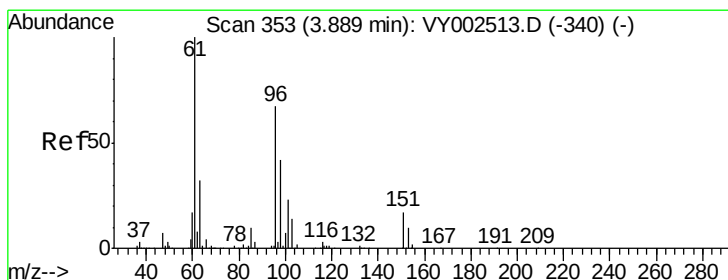
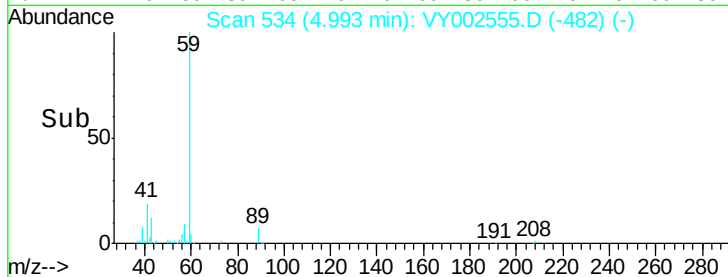
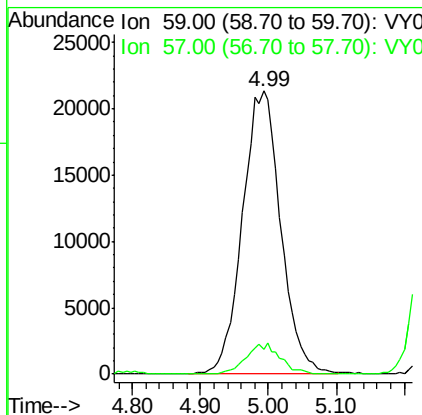
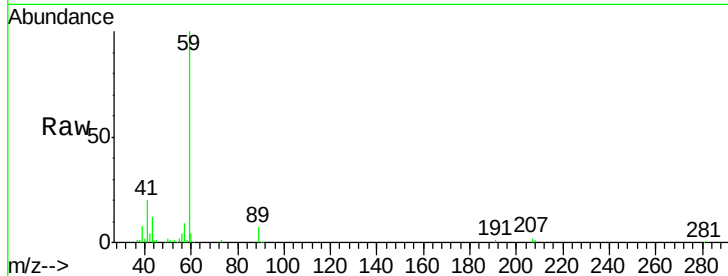
Tert butyl alcohol
Concen: 249.823 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.7	7.8	11.6

Manual Integrations
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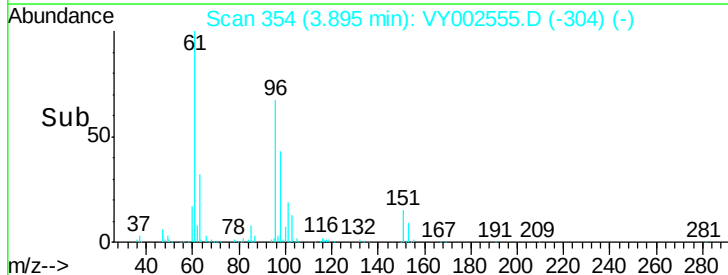
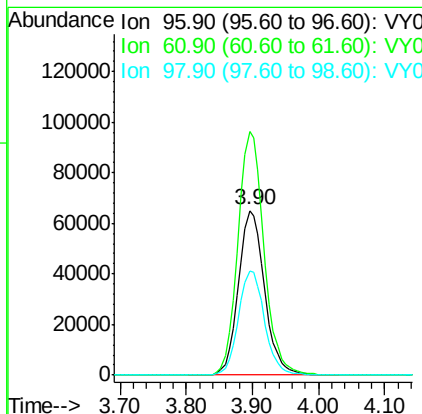
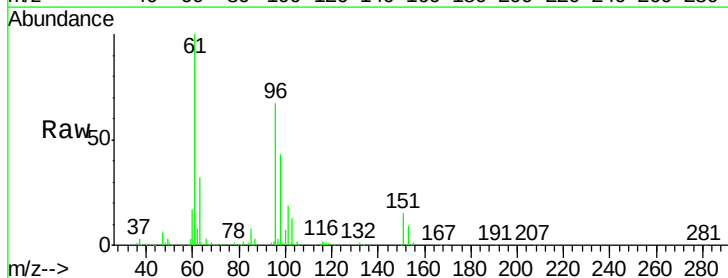
MMDadoda
5/5/2020 11:29:14 AM

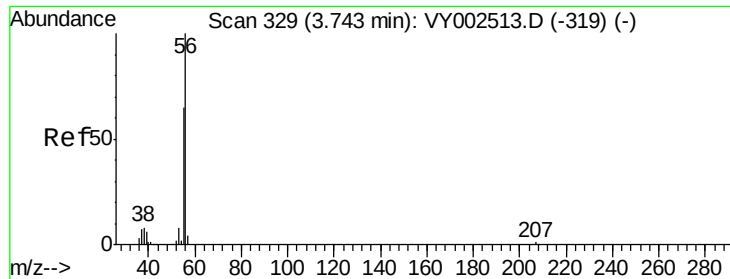


#12

1,1-Dichloroethene
Concen: 53.446 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	148.2	118.8	178.2
98	98	63.7	49.6	74.4





#13

Acrolein

Concen: 263.113 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60848

Ion Ratio Lower Upper

56 100

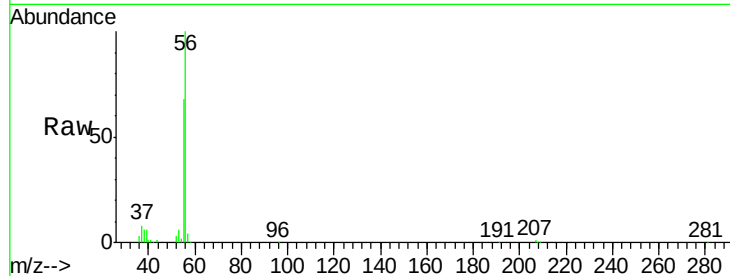
55 70.4 53.8 80.6

Manual Integrations

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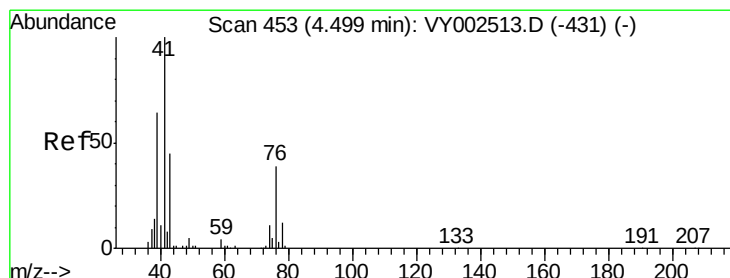
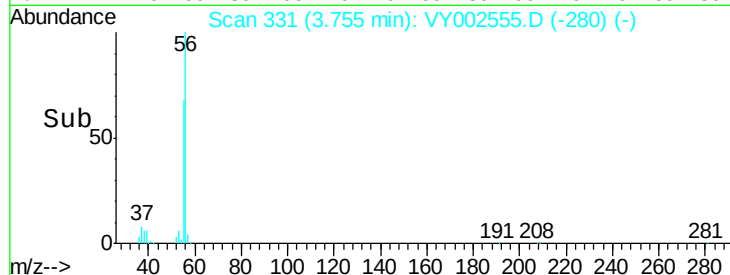
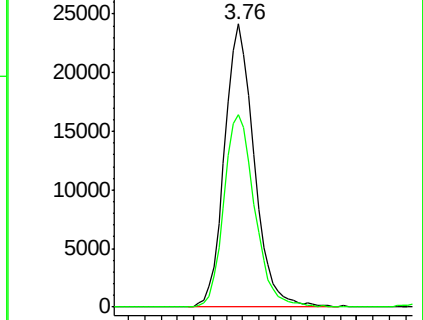
MMDadoda

5/5/2020 11:29:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 55.543 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

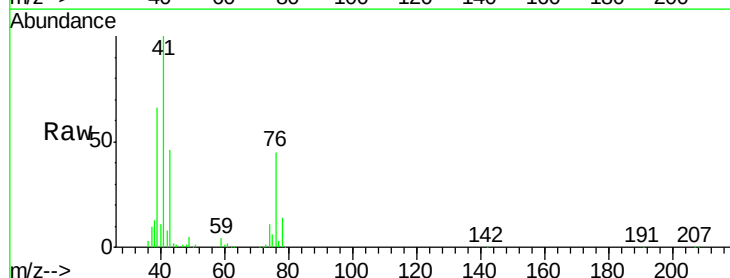
Tgt Ion: 41 Resp: 269331

Ion Ratio Lower Upper

41 100

39 63.8 51.8 77.6

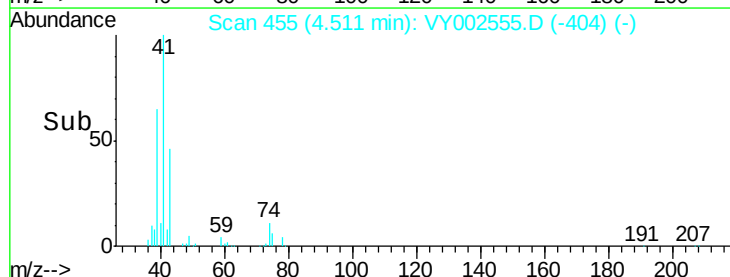
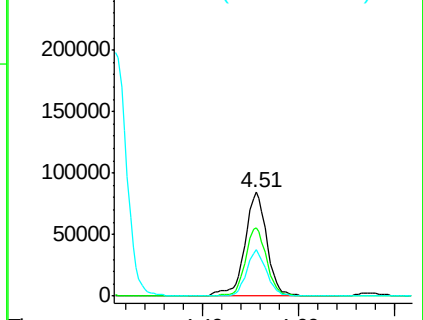
76 40.3 31.7 47.5

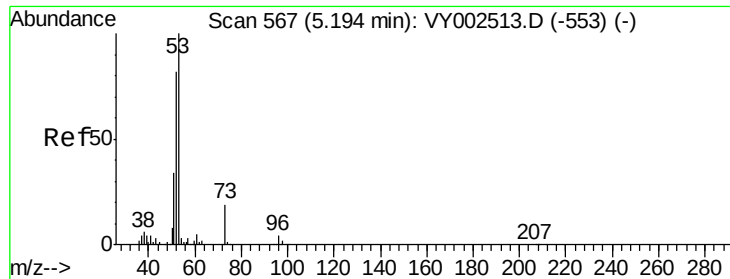


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 268.922 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

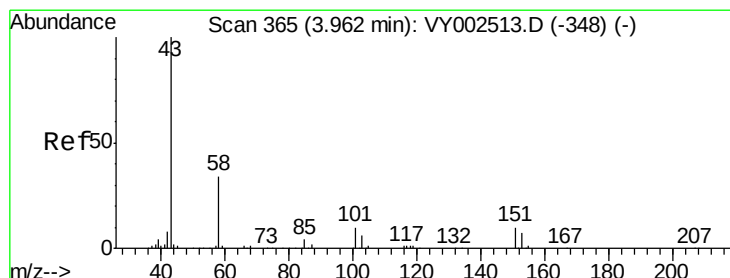
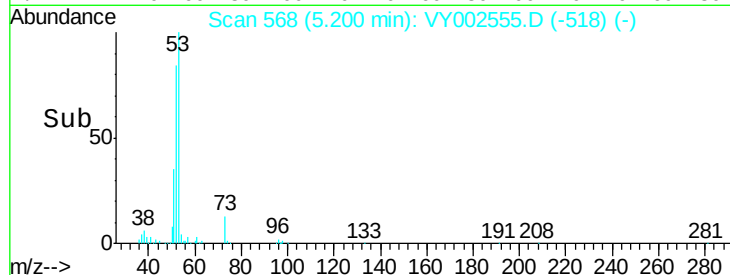
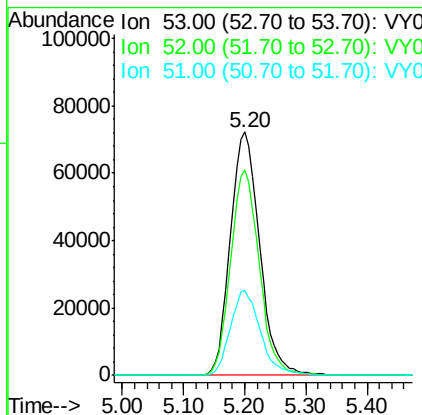
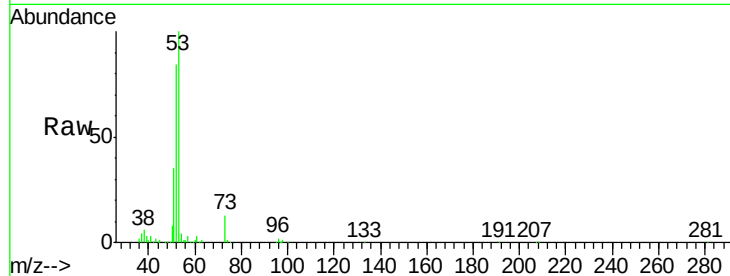
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	238886
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.4	98.0
51	35.6	28.7	43.1

Manual Integrations
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MMDadoda
5/5/2020 11:29:14 AM



#16

Acetone

Concen: 256.721 ug/l

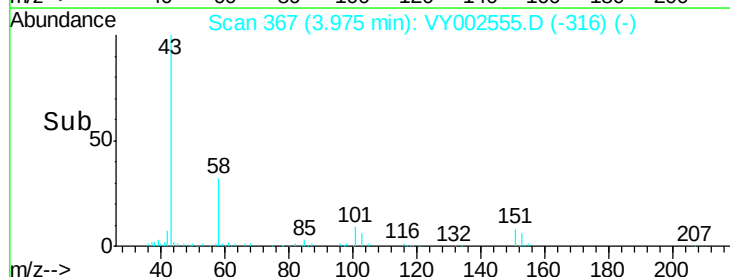
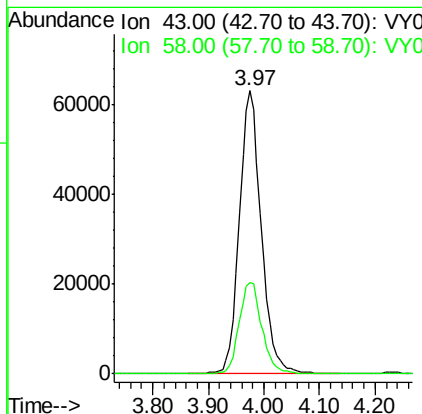
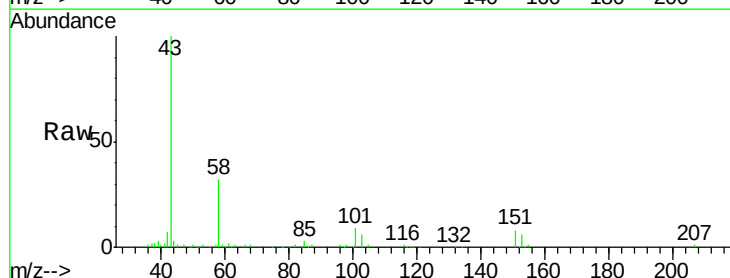
RT: 3.97 min Scan# 367

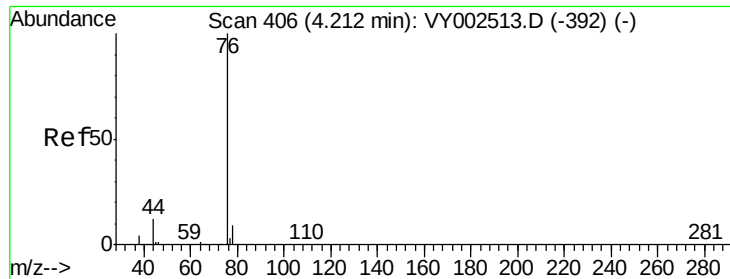
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion	43	Resp	172223
Ion Ratio	Lower	Upper	
43	100		
58	32.3	26.9	40.3





#17

Carbon Disulfide

Concen: 55.039 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 551055

Ion Ratio Lower Upper

76 100

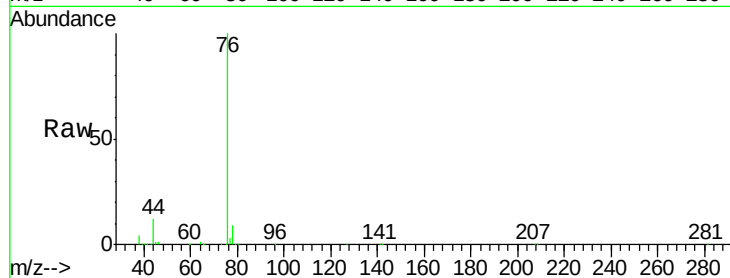
78 9.1 7.4 11.2

Manual Integrations

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5/5/2020 11:29:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

200000

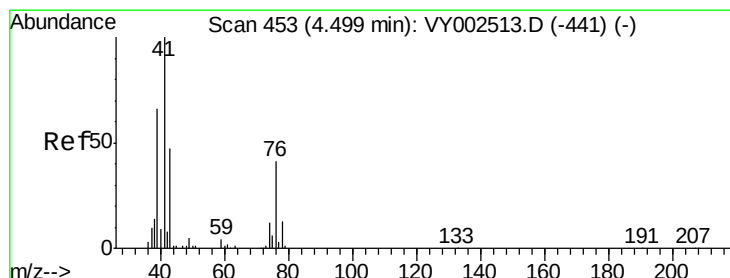
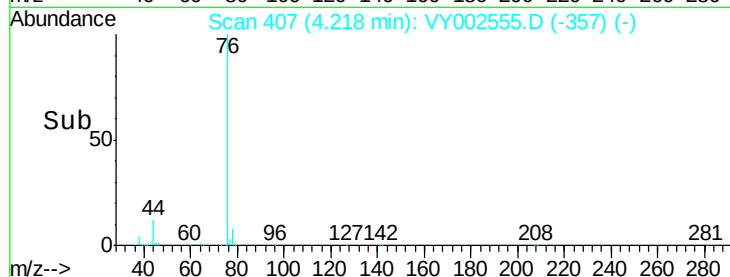
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.979 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002555.D

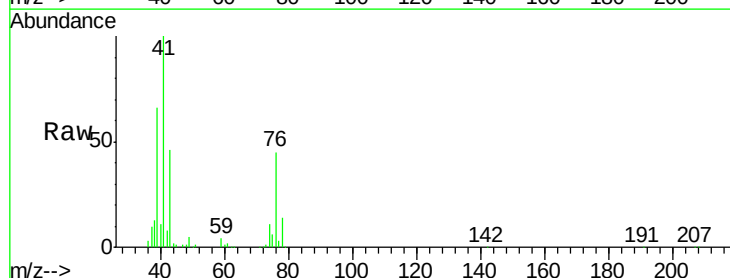
Acq: 04 May 2020 21:33

Tgt Ion: 43 Resp: 118752

Ion Ratio Lower Upper

43 100

74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

40000

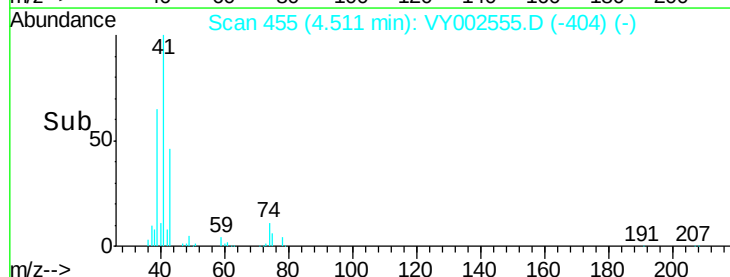
30000

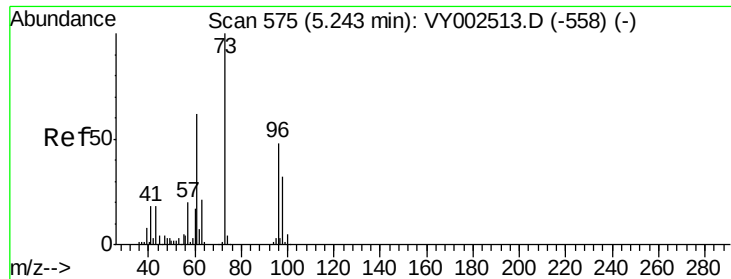
20000

10000

0

Time-->





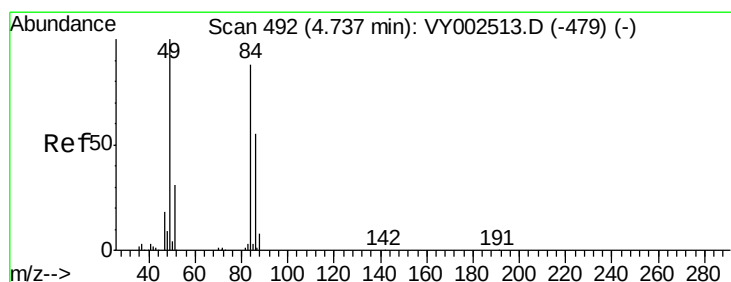
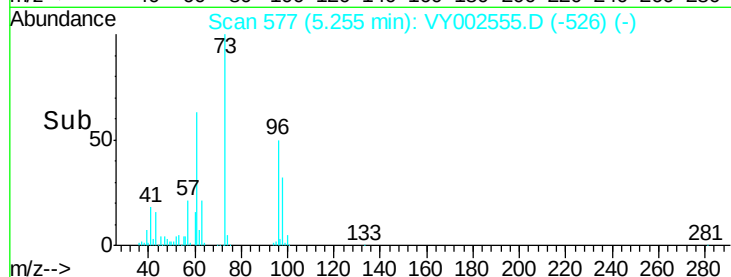
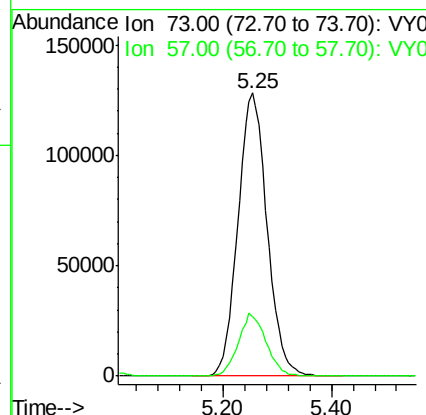
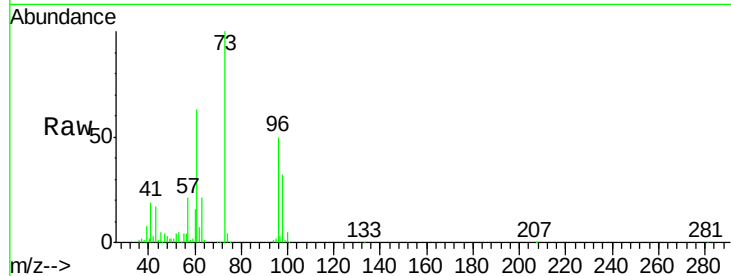
#19
Methyl tert-butyl Ether
Concen: 55.048 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.3	24.5

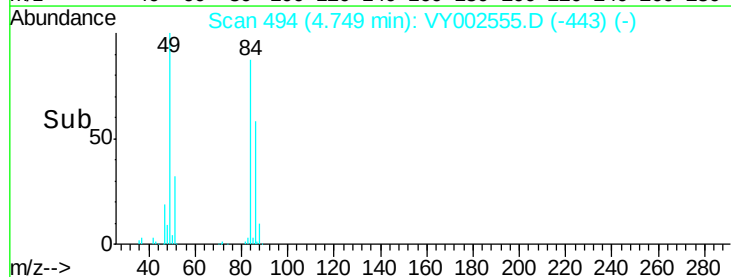
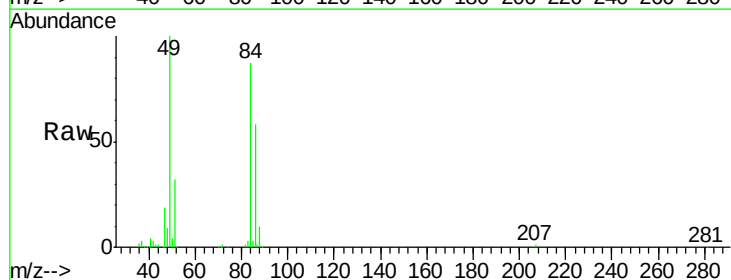
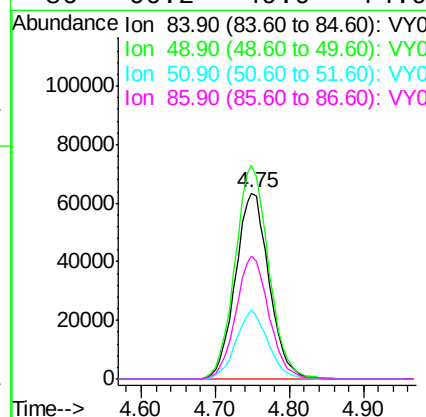
Manual Integrations
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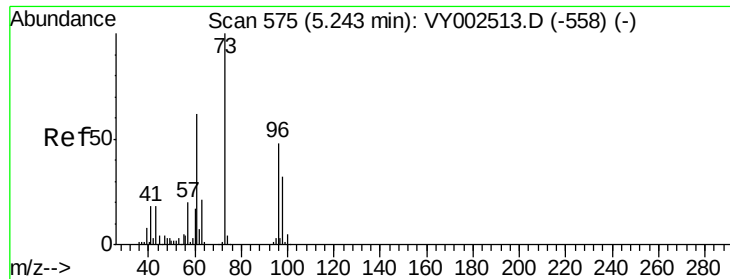
MMDadoda
5/5/2020 11:29:14 AM



#20
Methylene Chloride
Concen: 53.561 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	90.5	135.7
51	37.0	28.3	42.5
86	66.2	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 55.248 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

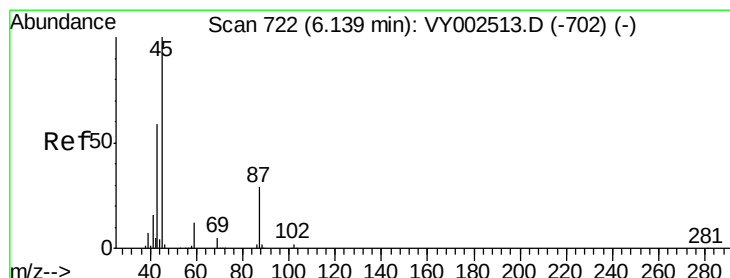
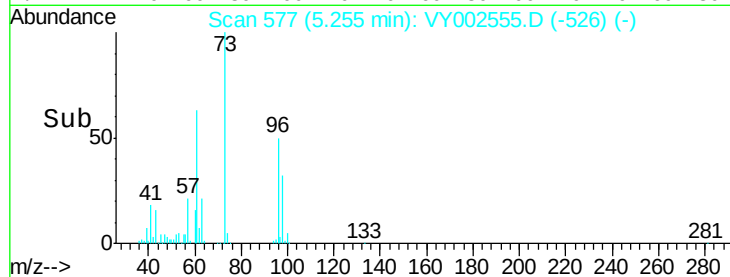
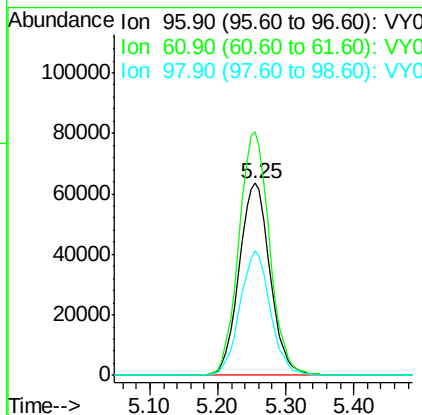
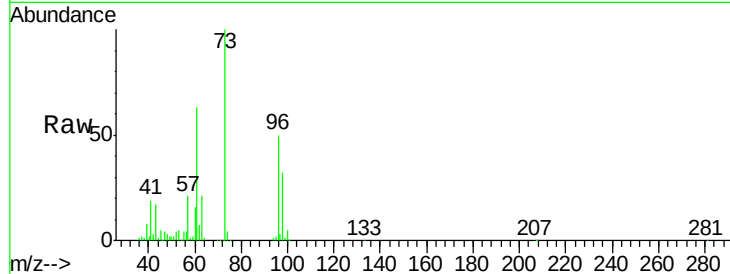
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	200966
Ion	Ratio	Lower	Upper
96	100		
61	126.6	102.0	153.0
98	64.7	53.0	79.4

Manual Integrations
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MMDadoda
5/5/2020 11:29:14 AM



#22

Diisopropyl ether

Concen: 56.197 ug/l

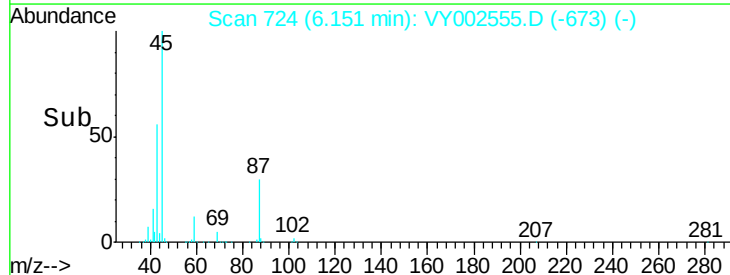
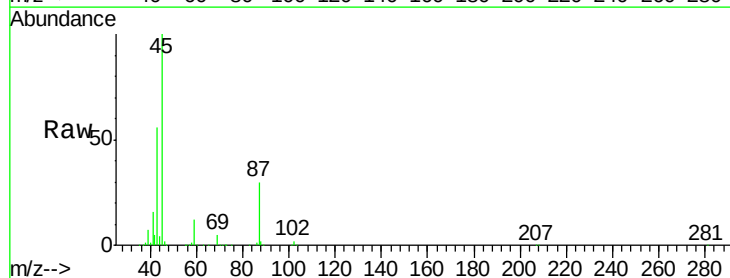
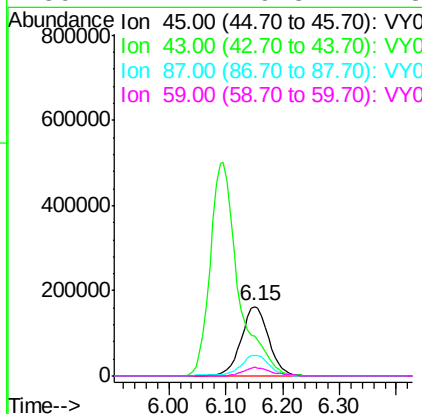
RT: 6.15 min Scan# 724

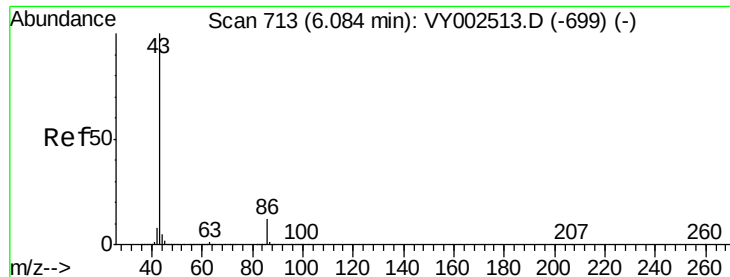
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	45	Resp:	551371
Ion	Ratio	Lower	Upper
45	100		
43	56.3	47.4	71.0
87	30.1	24.0	36.0
59	12.4	9.8	14.8





#23

Vinyl Acetate

Concen: 277.444 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1711936

Ion Ratio Lower Upper

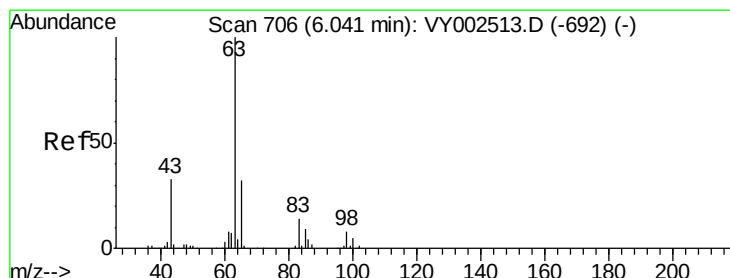
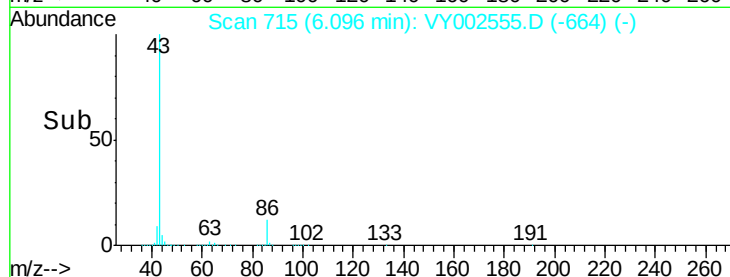
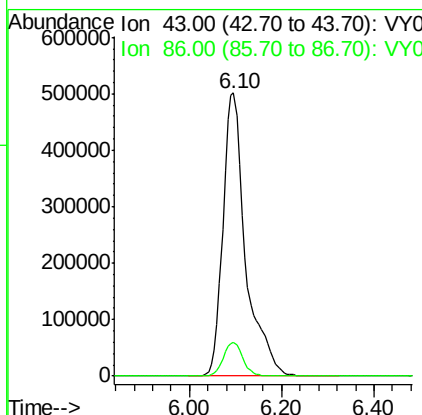
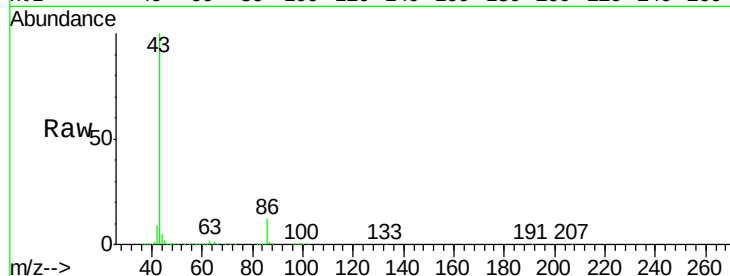
43 100

86 12.1 9.8 14.6

Manual Integrations
APPROVED

MMDadoda

5/5/2020 11:29:14 AM



#24

1,1-Dichloroethane

Concen: 55.956 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

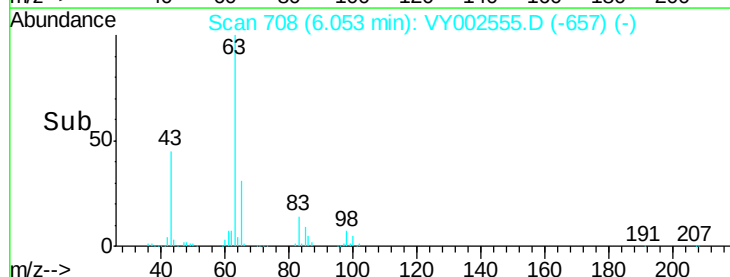
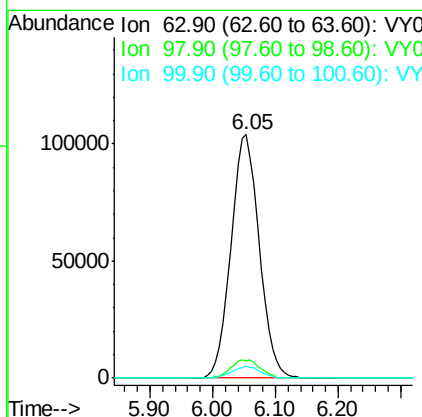
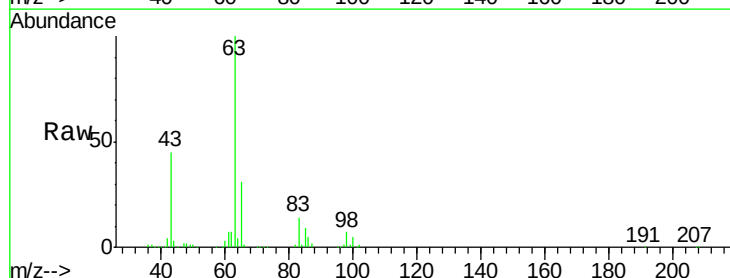
Tgt Ion: 63 Resp: 324792

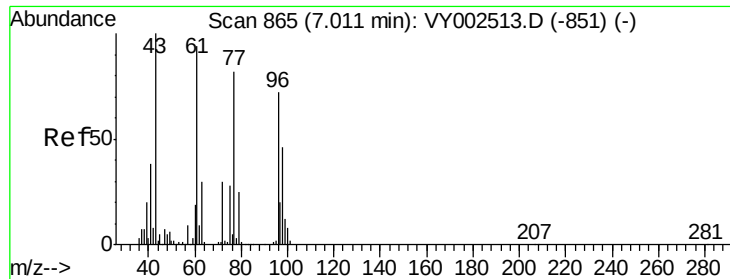
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

100 4.8 2.4 7.2





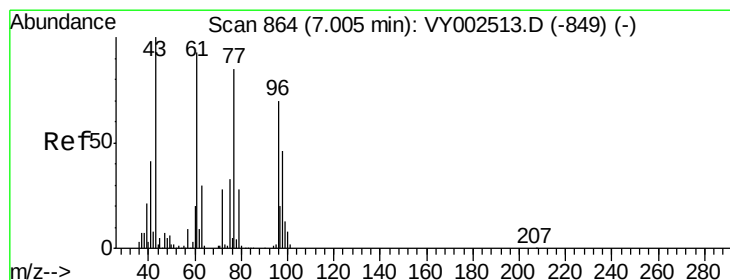
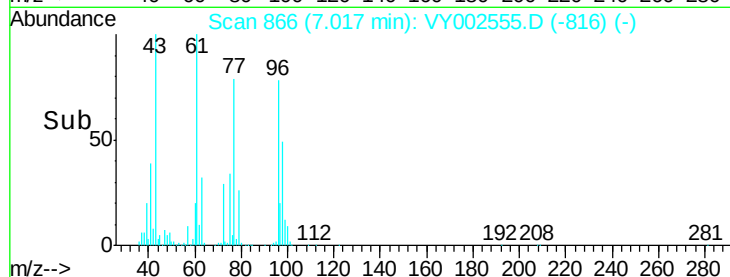
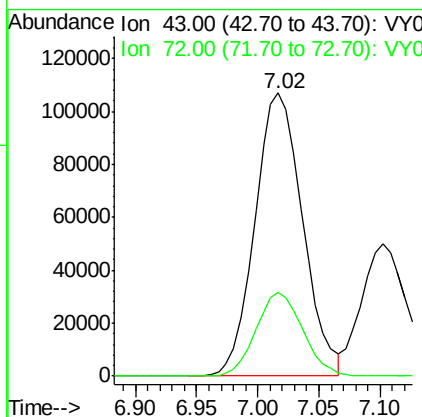
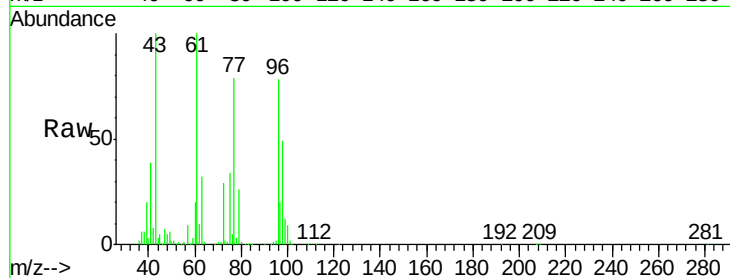
#25
2-Butanone
Concen: 264.012 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	29.4	24.1	36.1

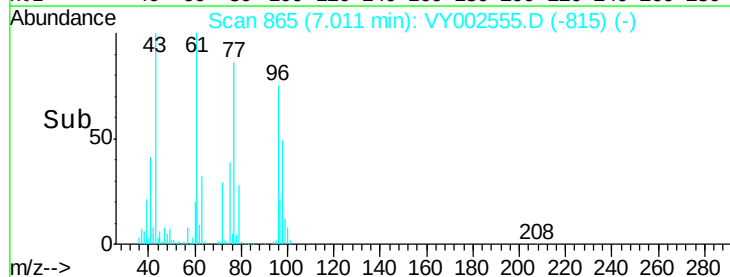
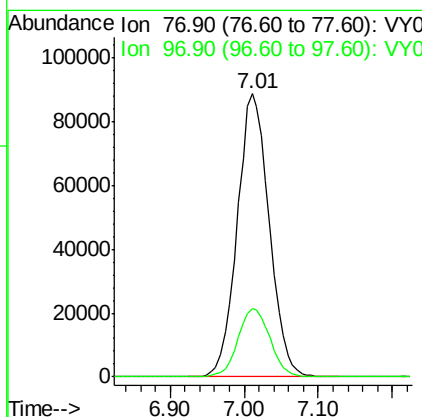
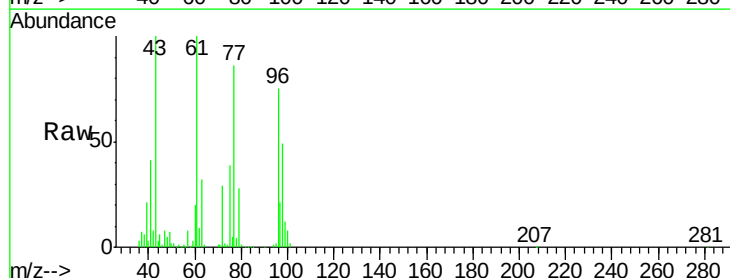
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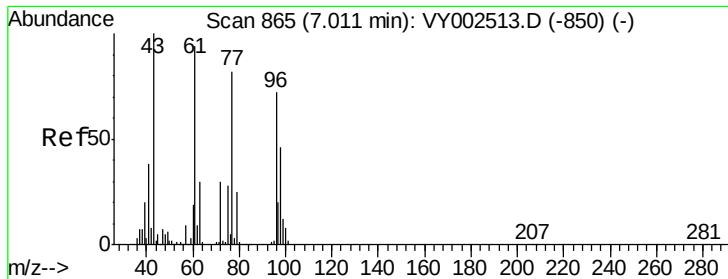
MMDadoda
5/5/2020 11:29:14 AM



#26
2,2-Dichloropropane
Concen: 48.379 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.9	35.5





#27

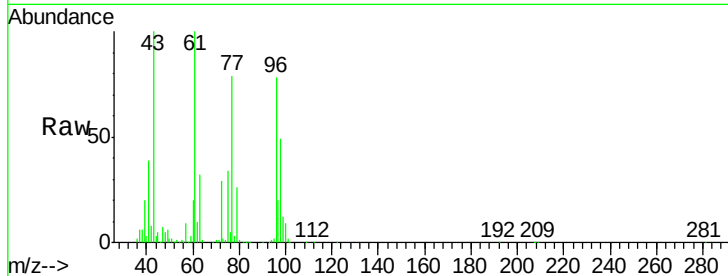
cis-1,2-Dichloroethene
 Concen: 55.711 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

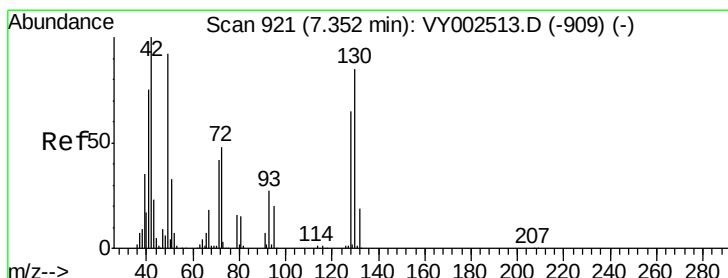
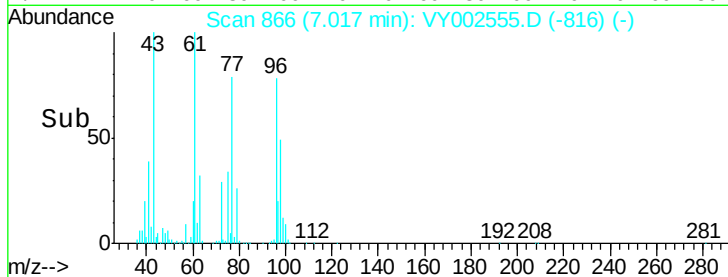
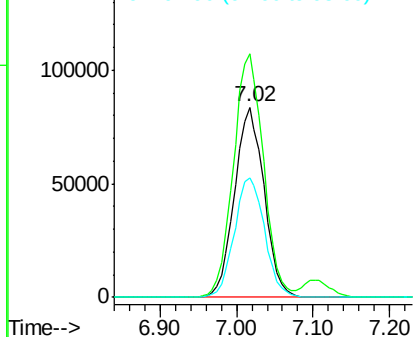
Tot Ion	Ratio	Resp	Lower	Upper
96	100	224230		
61	130.0		0.0	266.6
98	64.1		0.0	129.2

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 5/5/2020 11:29:14 AM



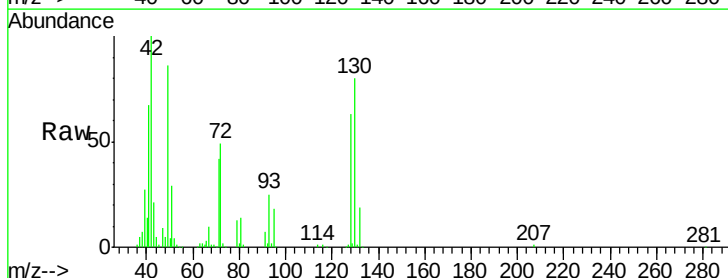
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



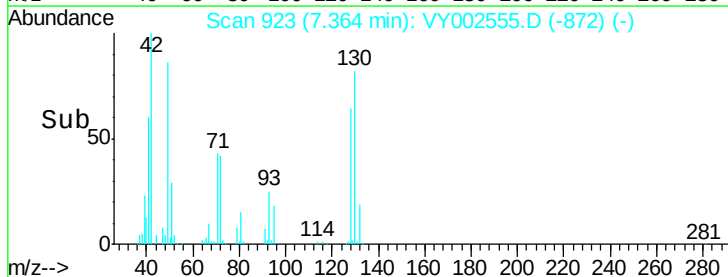
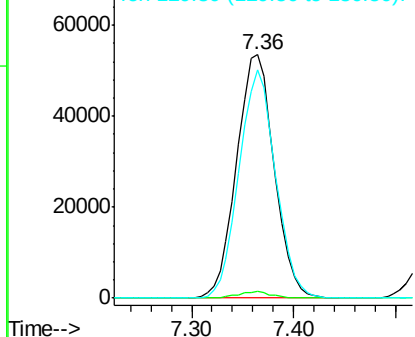
#28

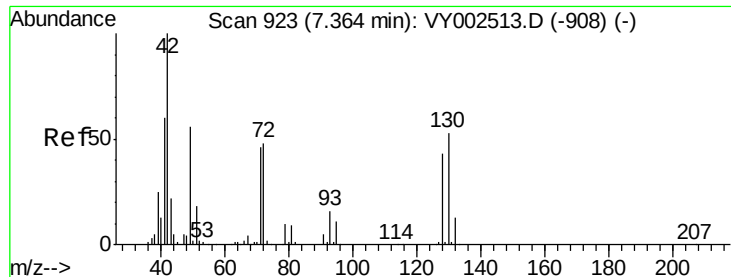
Bromochloromethane
 Concen: 57.740 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137317		
129	2.4		0.0	4.8
130	91.2		72.5	108.7



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): VY0
 Ion 129.80 (129.50 to 130.50): VY0





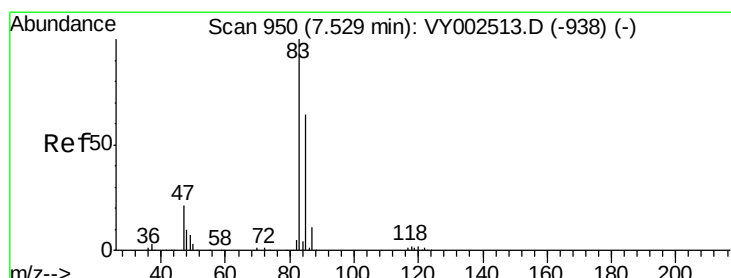
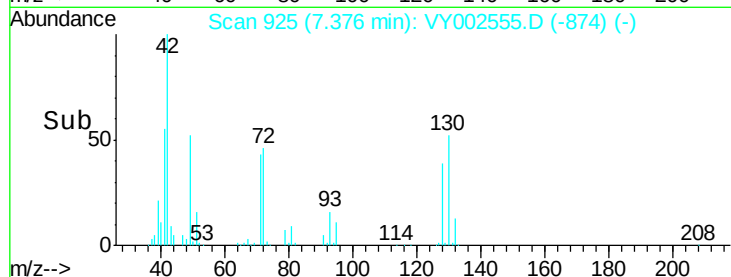
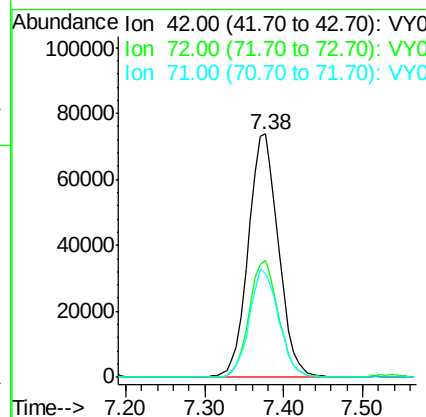
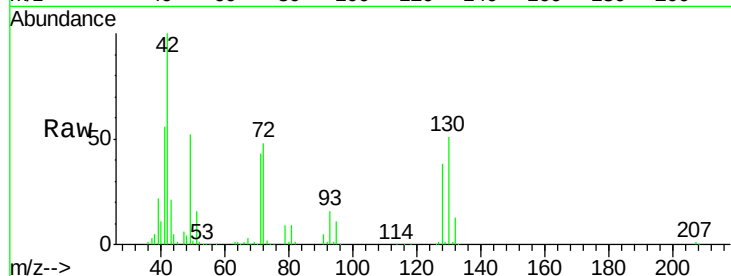
#29
Tetrahydrofuran
Concen: 269.763 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	43.3	35.0	52.4

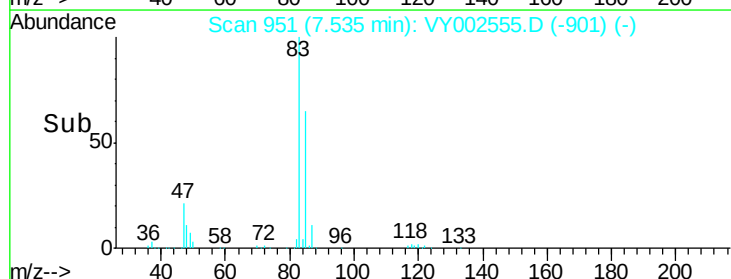
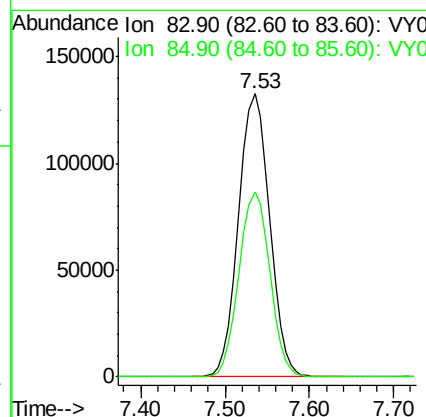
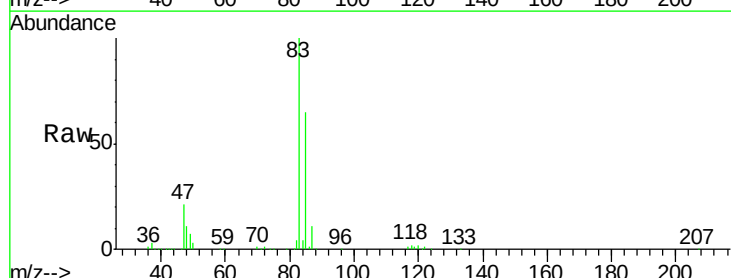
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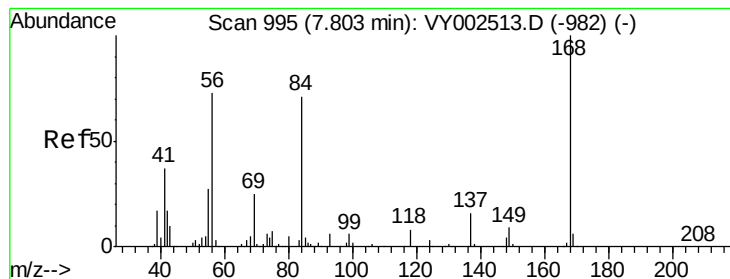
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#30
Chloroform
Concen: 54.798 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





#31

Cyclohexane

Concen: 51.284 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

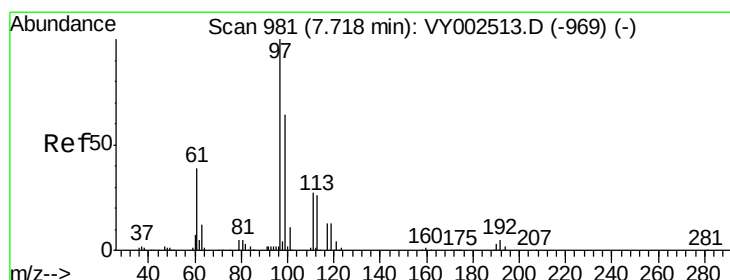
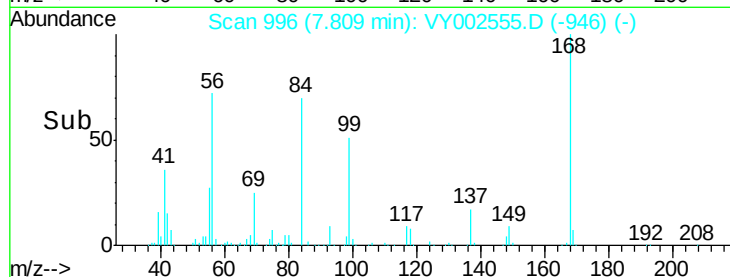
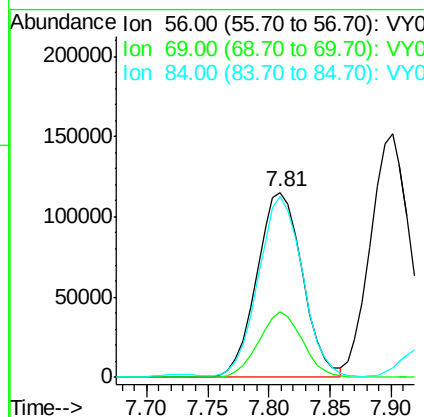
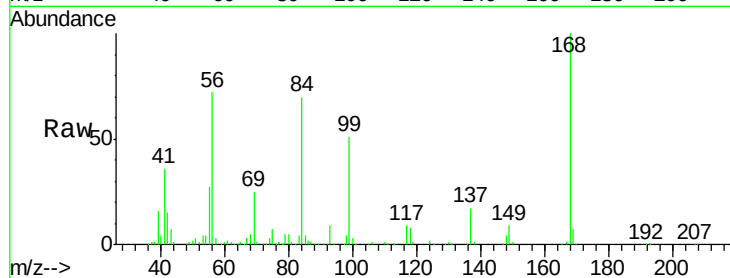
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	299635
Ion	Ratio	Lower	Upper
56	100		
69	35.3	27.6	41.4
84	96.1	77.7	116.5

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#32

1,1,1-Trichloroethane

Concen: 53.189 ug/l

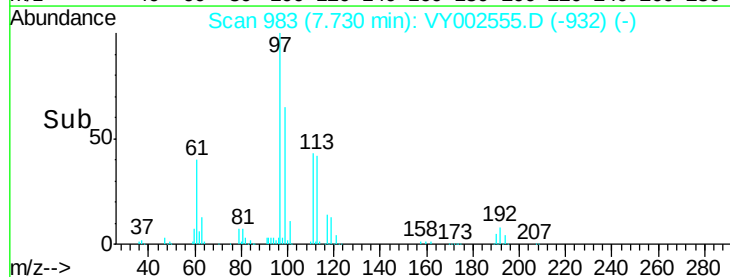
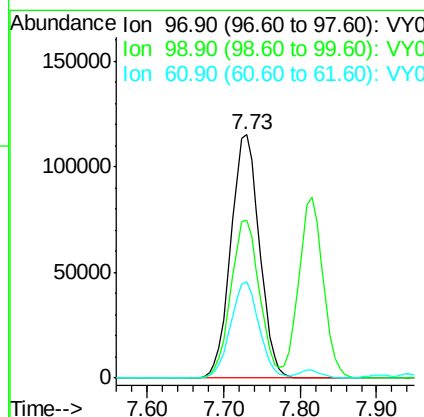
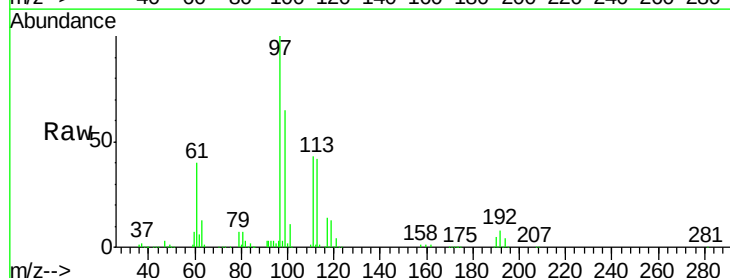
RT: 7.73 min Scan# 983

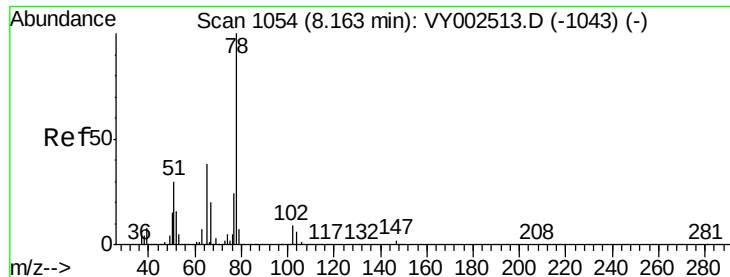
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion	97	Resp	298369
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	39.3	31.0	46.6





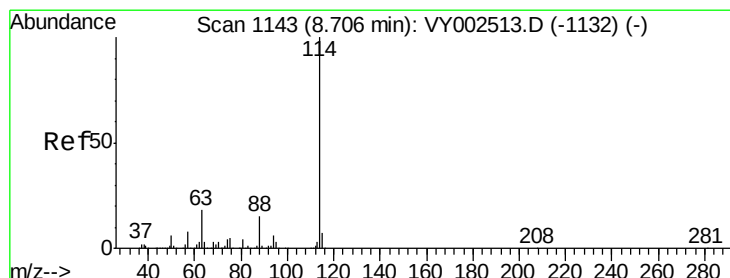
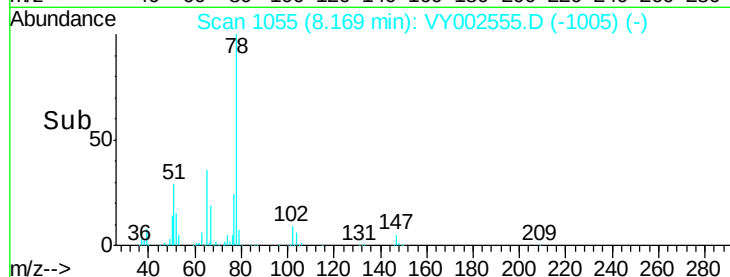
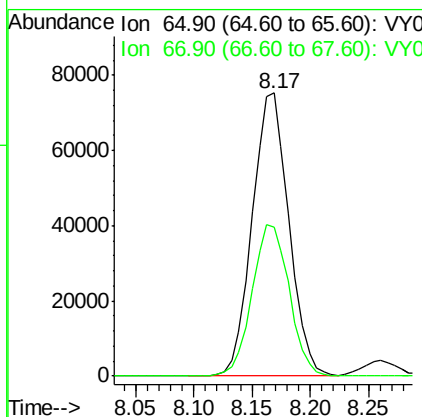
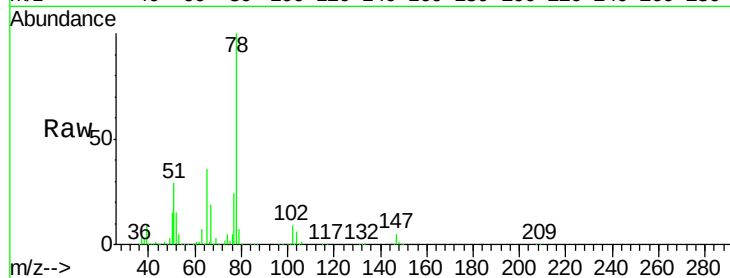
#33
 1,2-Dichloroethane-d4
 Concen: 50.922 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165527		
67	54.3	0.0	107.2	

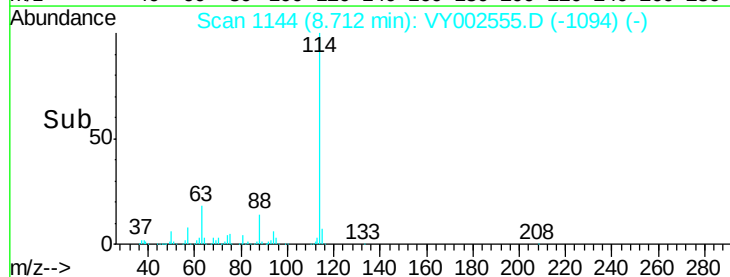
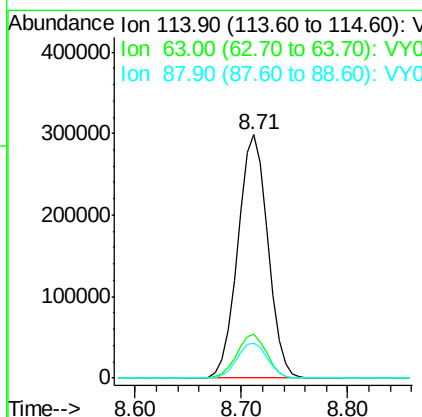
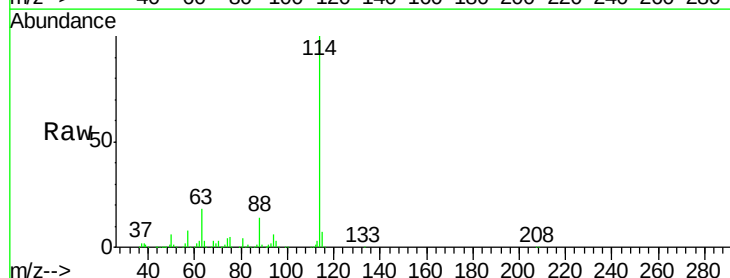
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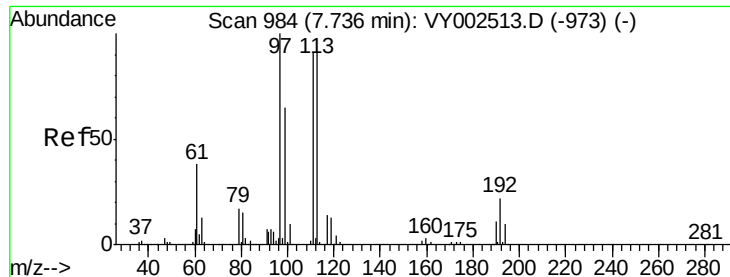
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	590880		
63	18.0	0.0	36.4	
88	14.2	0.0	29.6	





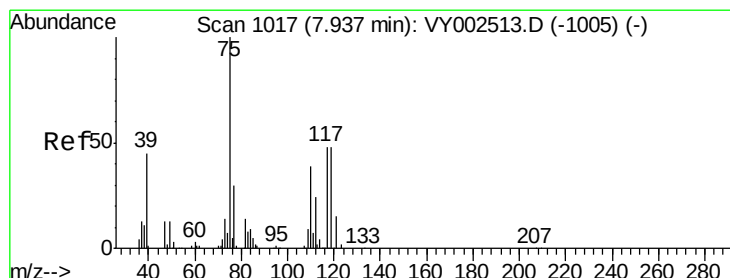
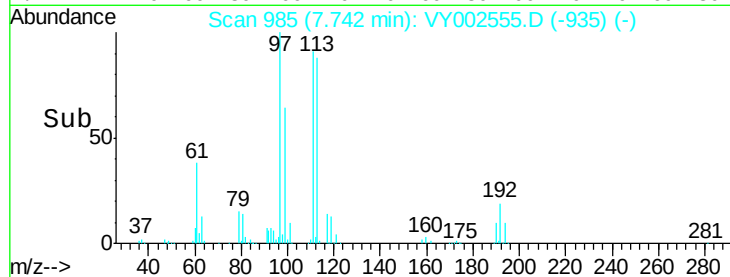
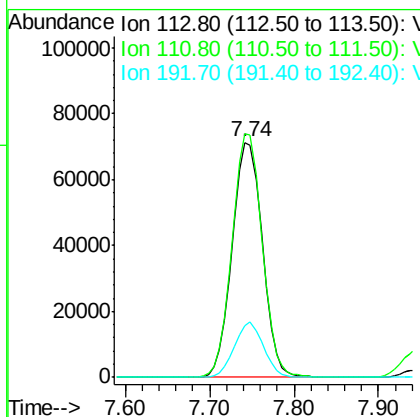
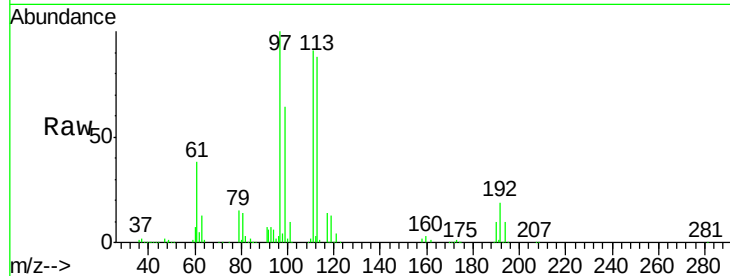
#35
 Dibromofluoromethane
 Concen: 51.399 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	113	Resp:	173689
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.6	18.2	27.4

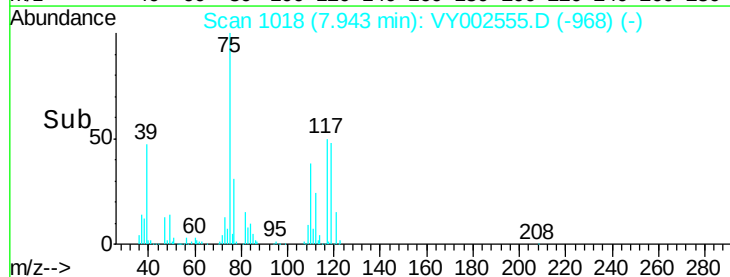
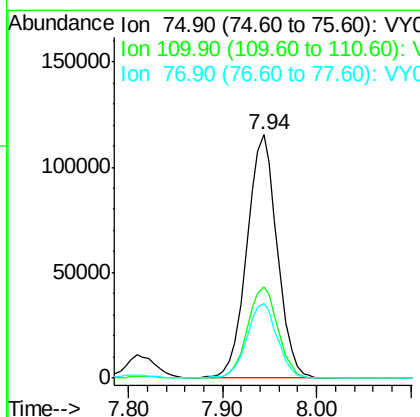
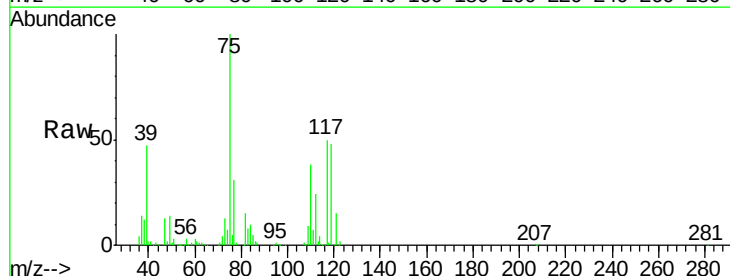
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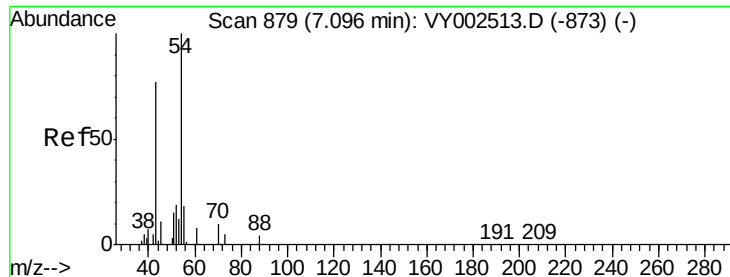
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#36
 1,1-Dichloropropene
 Concen: 52.557 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion:	75	Resp:	260335
Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.1	57.3
77	31.1	24.6	37.0





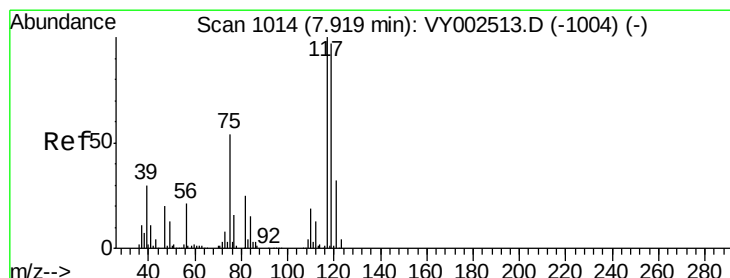
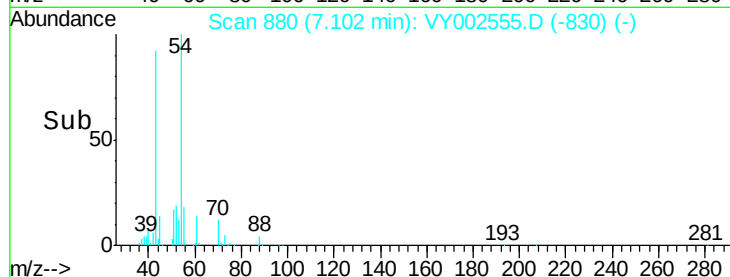
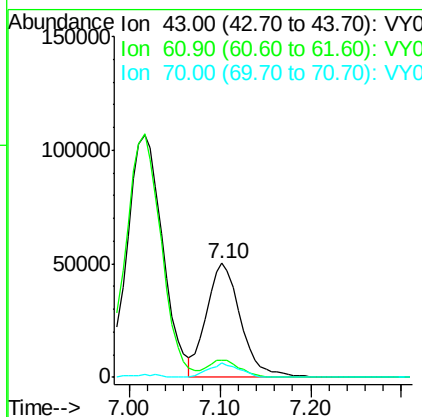
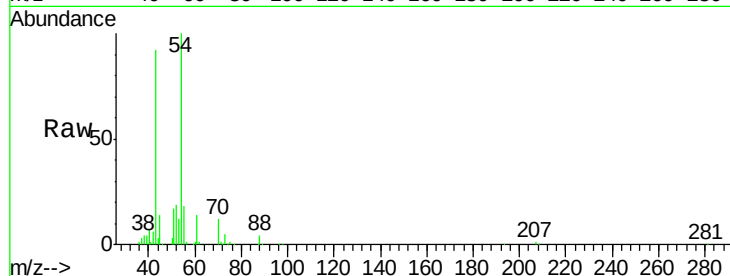
#37
Ethyl Acetate
Concen: 52.038 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.6	17.4
70	11.3	9.0	13.6

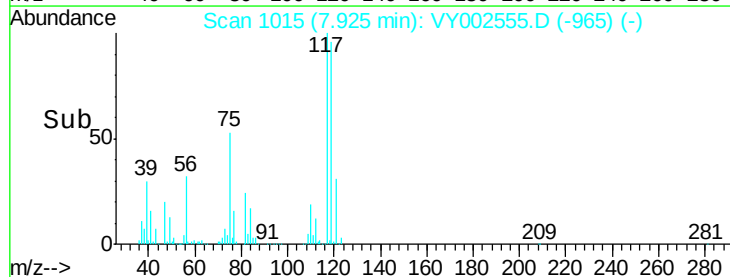
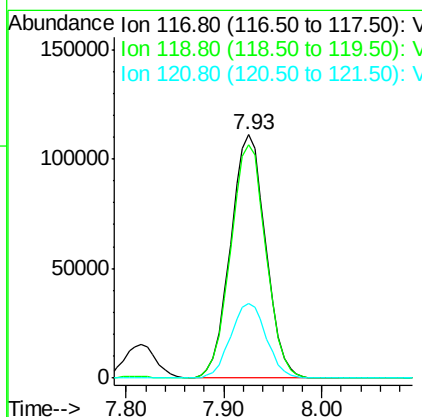
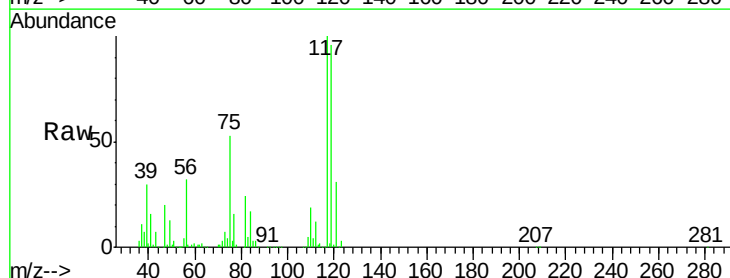
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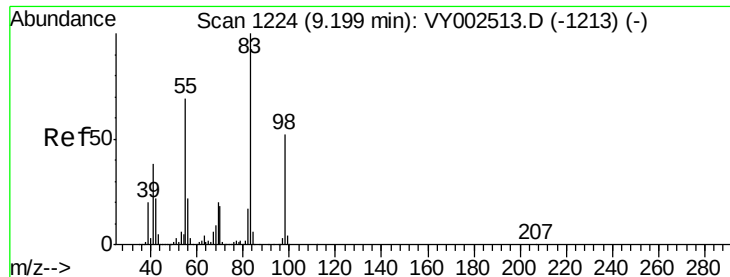
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#38
Carbon Tetrachloride
Concen: 51.043 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.1	115.7
121	30.9	25.2	37.8





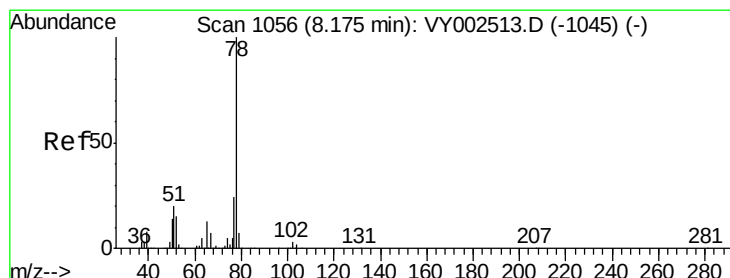
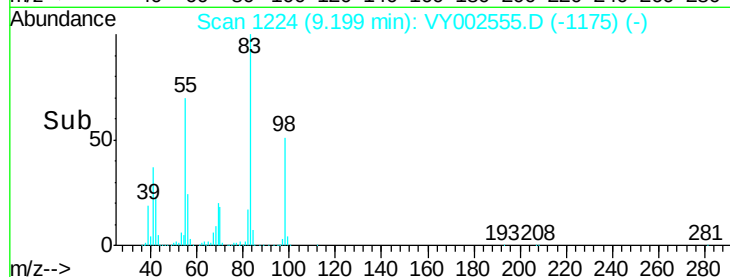
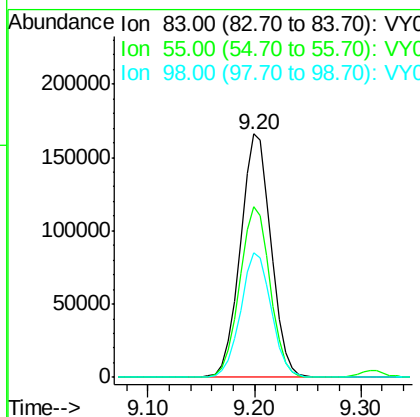
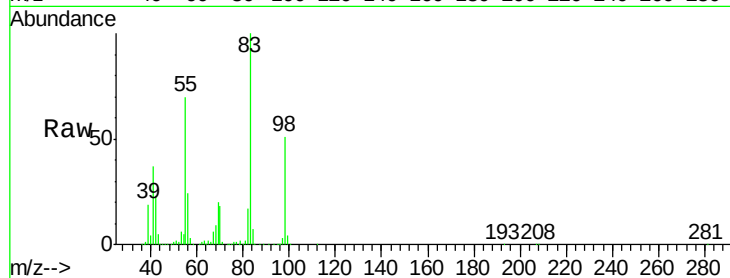
#39
Methylvlcyclohexane
Concen: 51.259 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	55.4	83.0
98	51.3	41.3	61.9

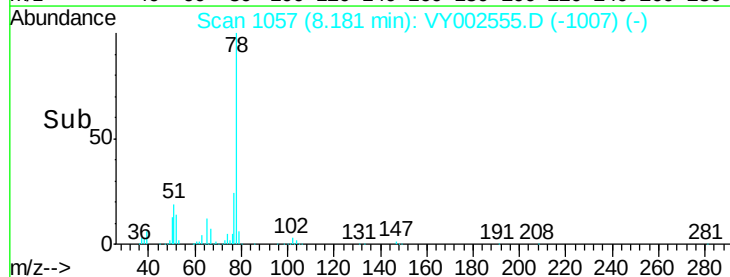
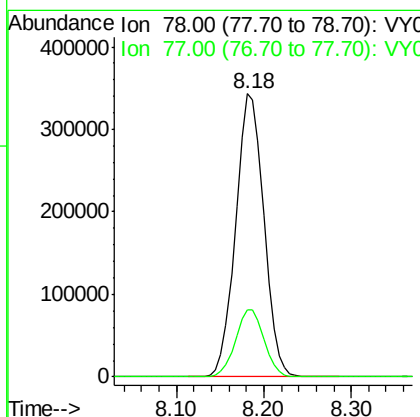
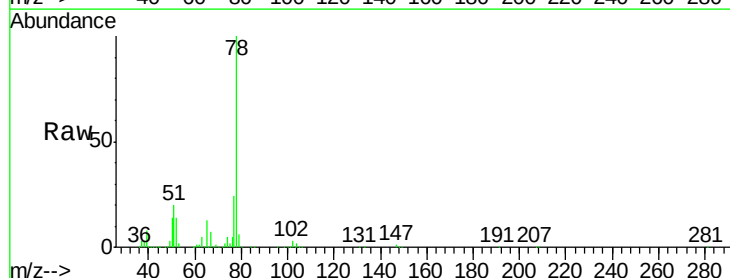
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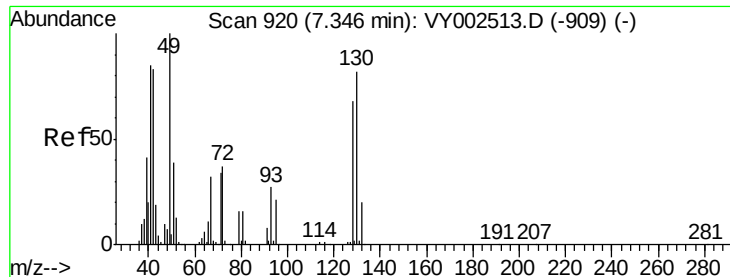
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#40
Benzene
Concen: 53.745 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





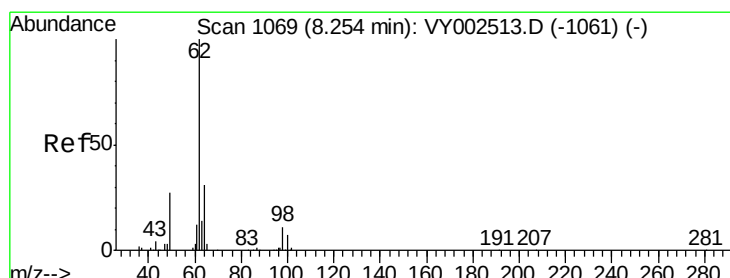
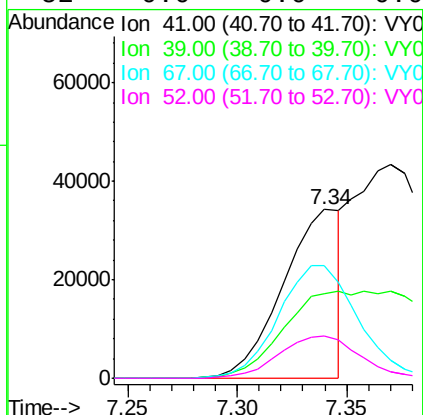
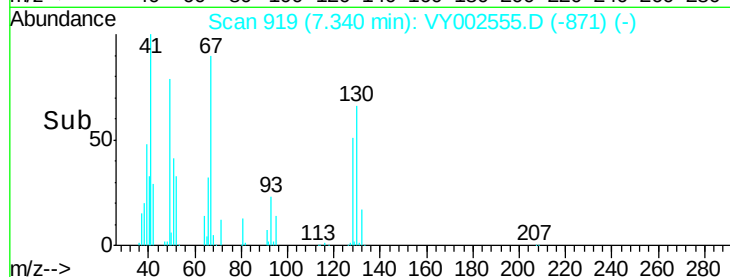
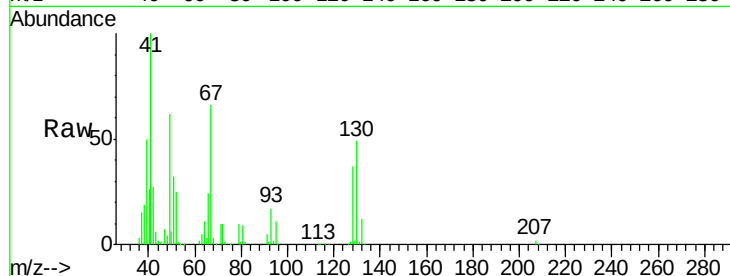
#41
Methacrylonitrile
Concen: 46.167 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot 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

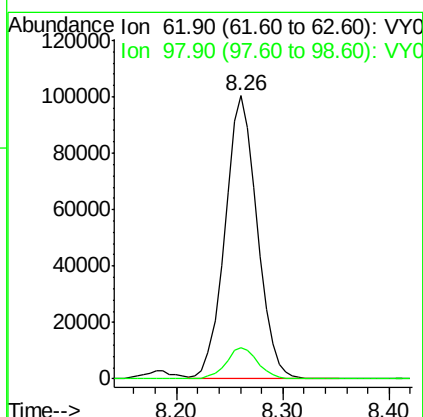
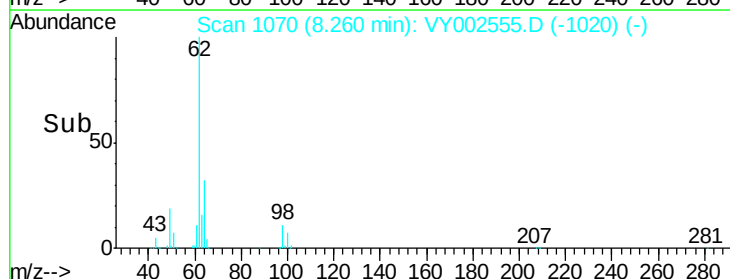
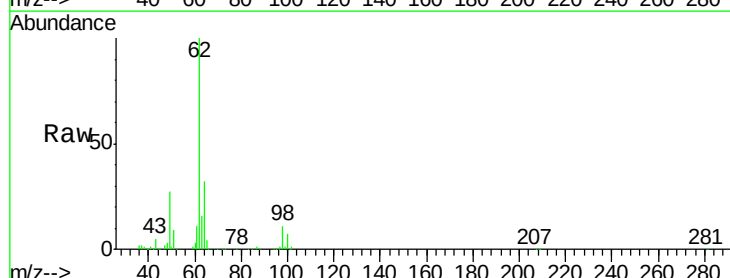
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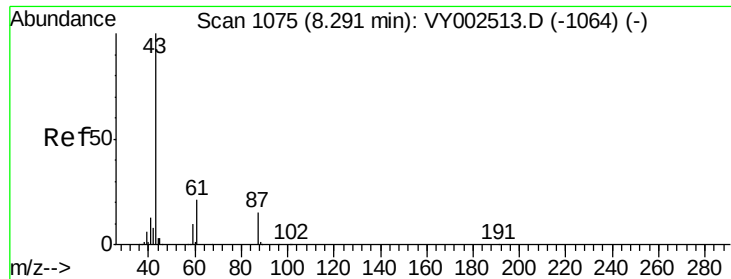
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.777 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





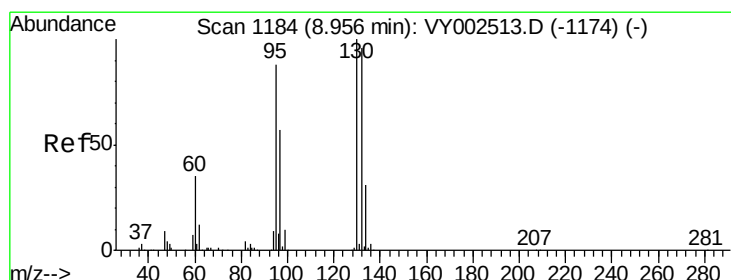
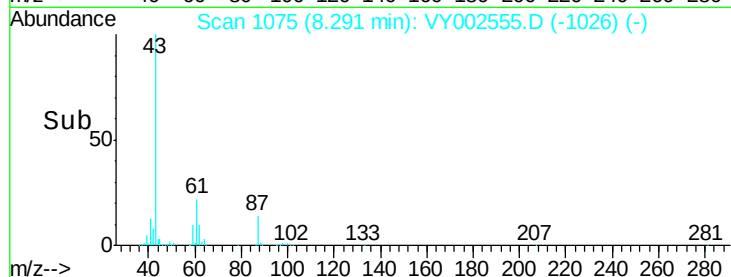
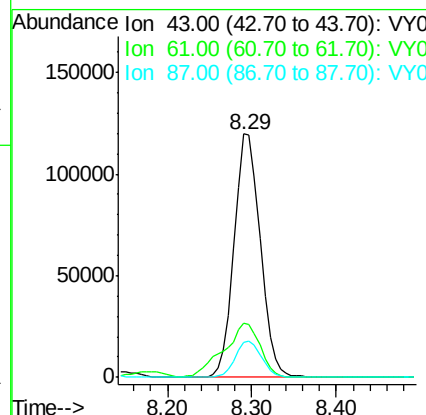
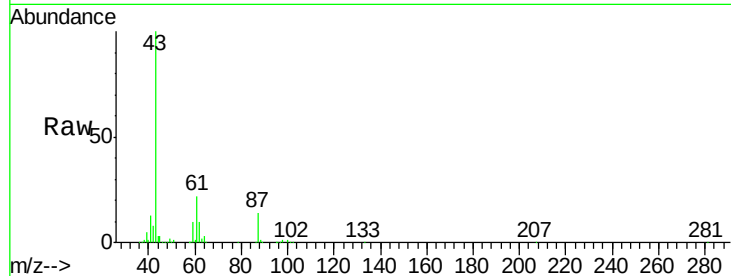
#43
Isopropyl Acetate
Concen: 52.905 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	15.0	12.2	18.2

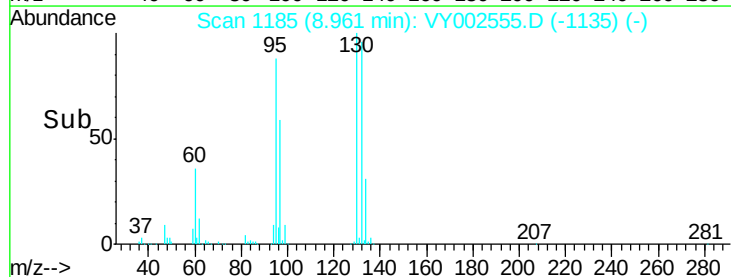
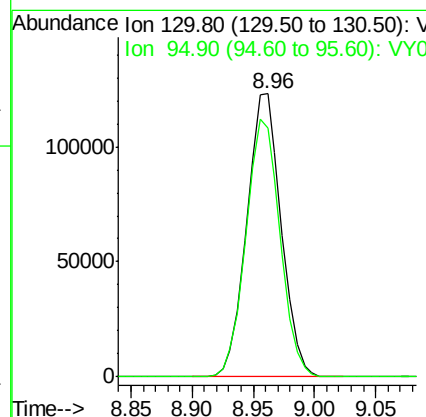
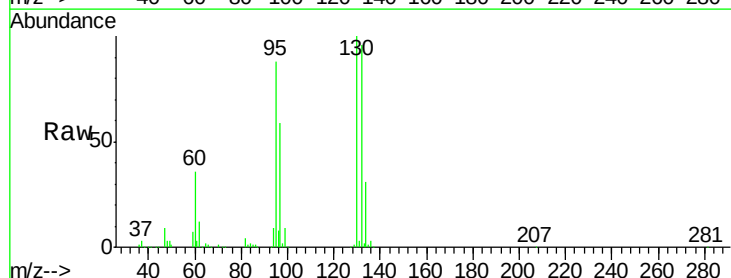
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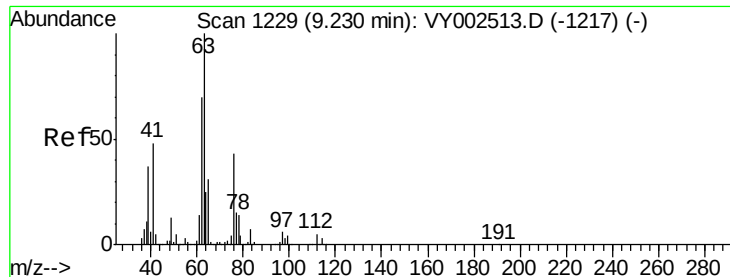
MMDadoda
5/5/2020 11:29:14 AM



#44
Trichloroethene
Concen: 53.712 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	175.8





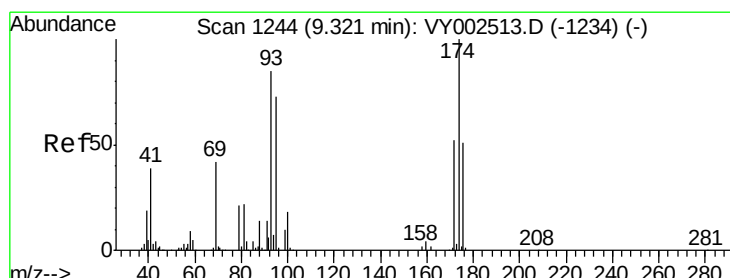
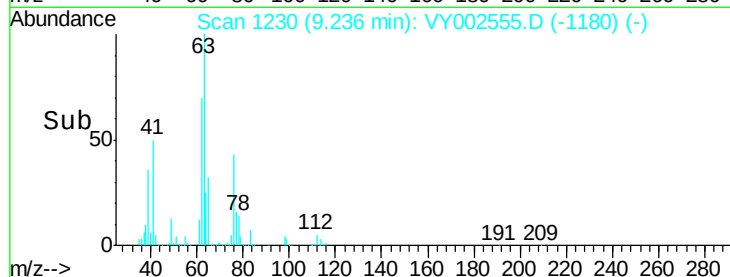
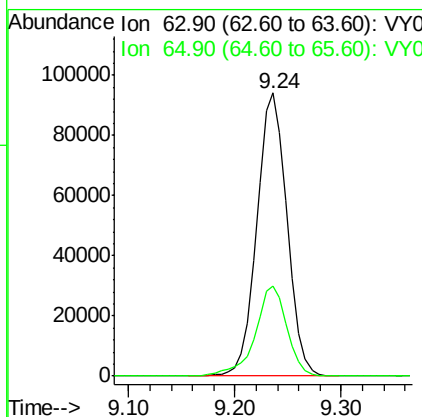
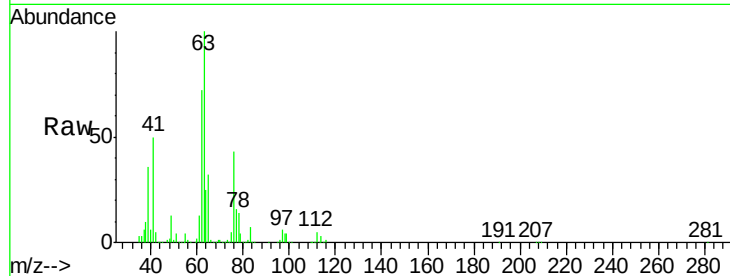
#45
 1,2-Dichloropropane
 Concen: 54.060 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.5	36.7

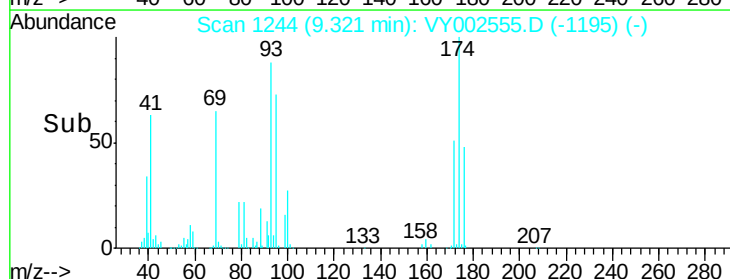
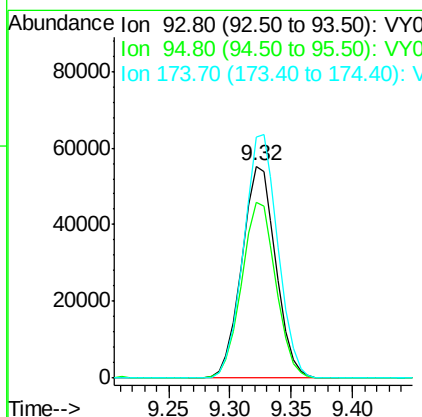
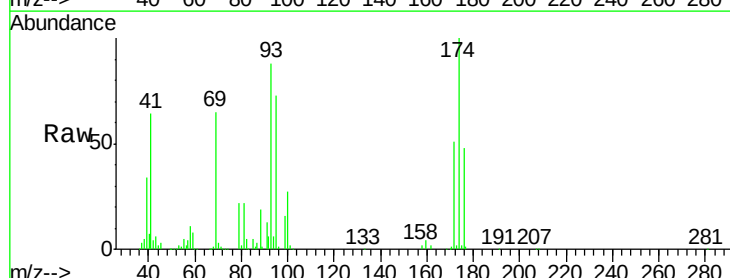
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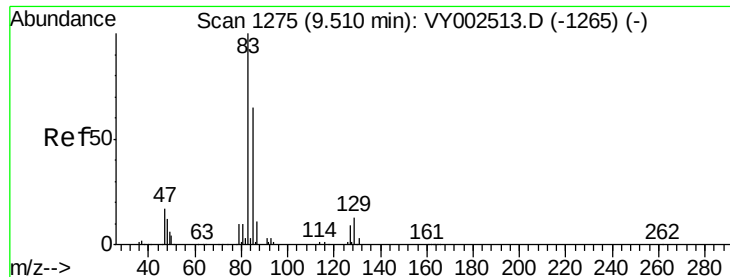
MMDadoda
 5/5/2020 11:29:14 AM



#46
 Dibromomethane
 Concen: 53.726 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.0	100.4
174	115.5	92.7	139.1





#47

Bromodichloromethane

Concen: 53.662 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

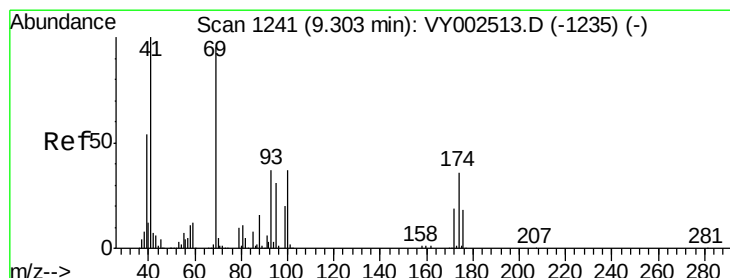
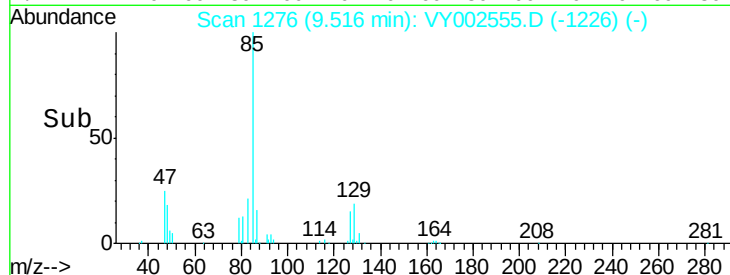
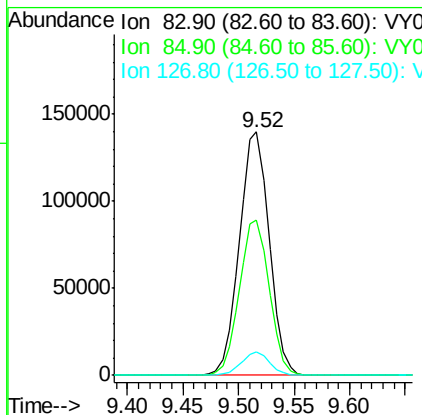
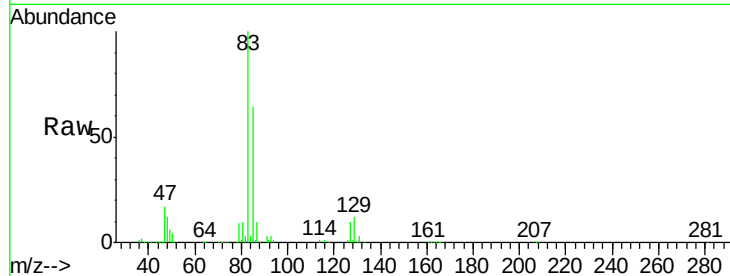
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	259213
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.8	77.8
127	9.6	7.4	11.0

Manual Integrations
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MMDadoda
5/5/2020 11:29:14 AM



#48

Methyl methacrylate

Concen: 53.065 ug/l

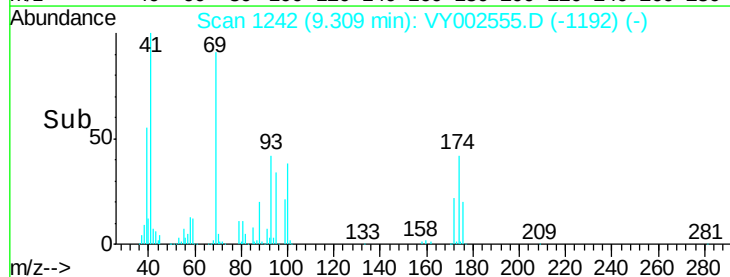
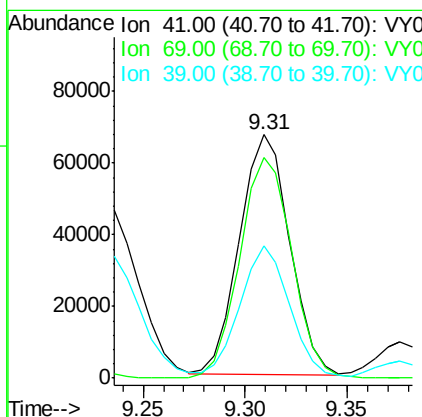
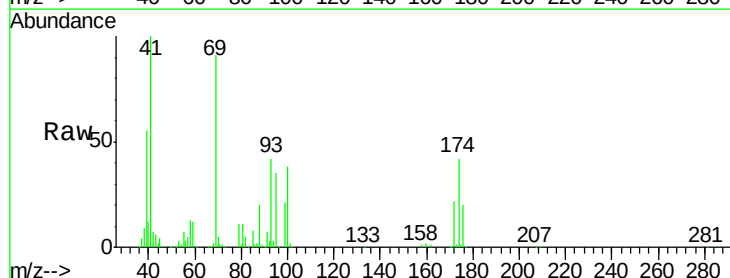
RT: 9.31 min Scan# 1242

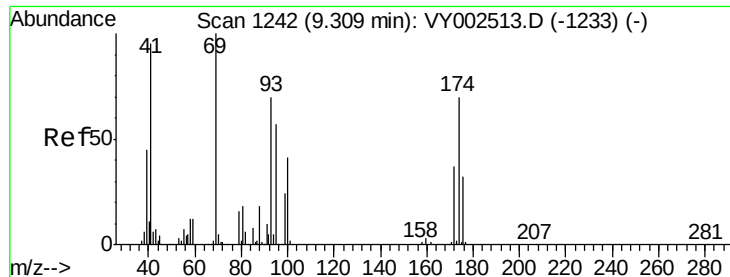
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	41	Resp:	114601
Ion Ratio	Lower	Upper	
41	100		
69	95.6	76.2	114.4
39	52.5	42.7	64.1





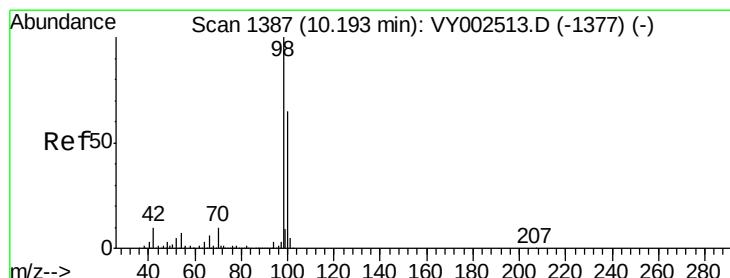
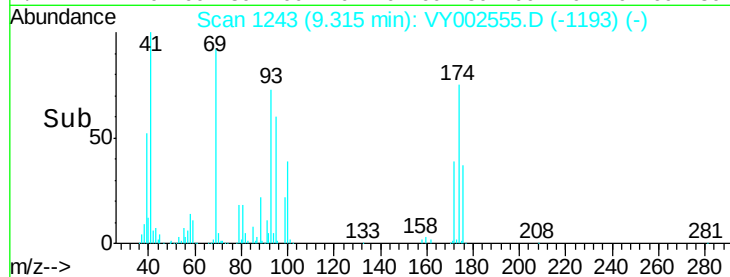
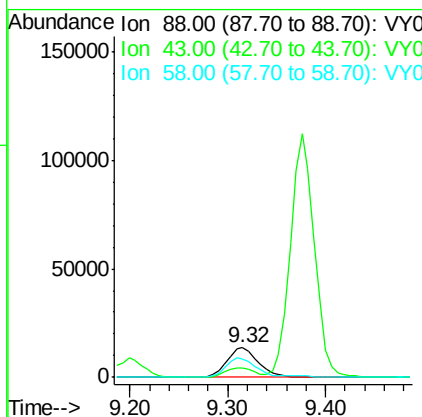
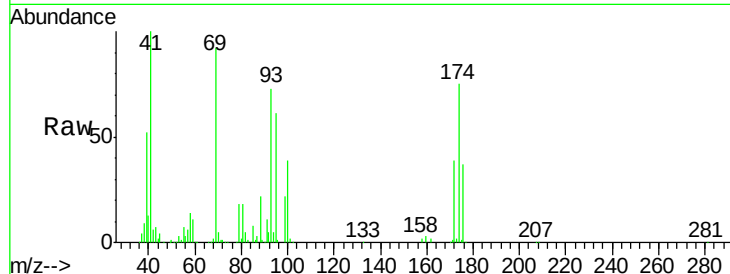
#49
1,4-Dioxane
Concen: 1154.228 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.8	34.2
58	66.3	51.4	77.2

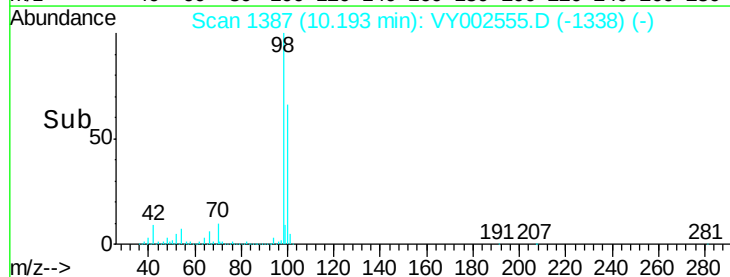
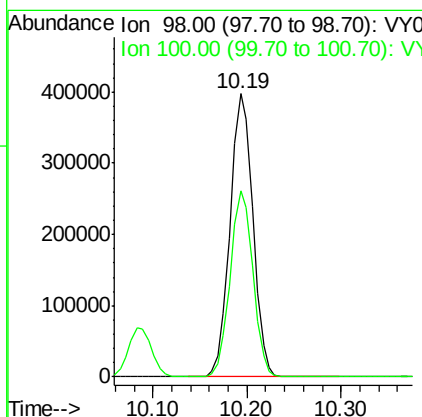
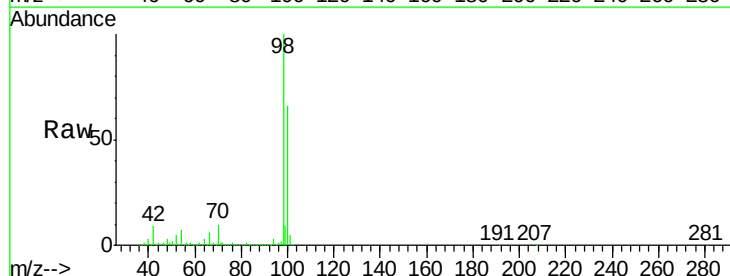
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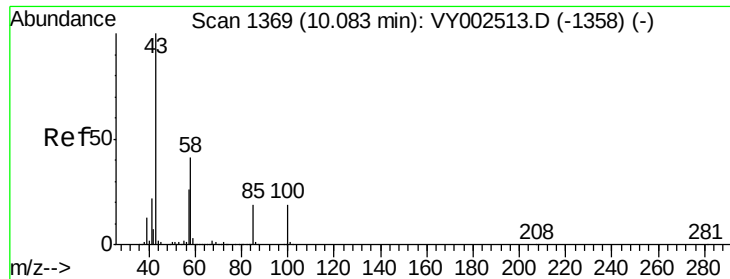
MMDadoda
5/5/2020 11:29:14 AM



#50
Toluene-d8
Concen: 50.724 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





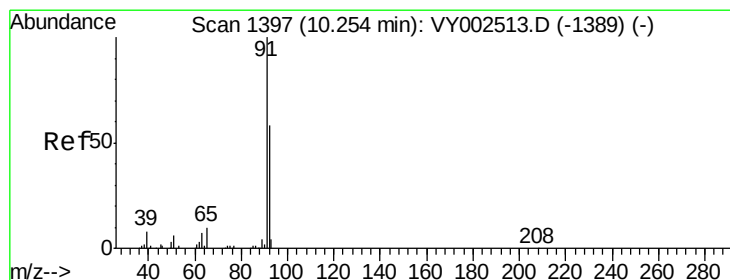
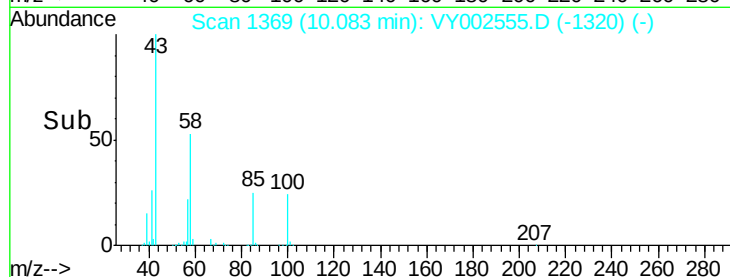
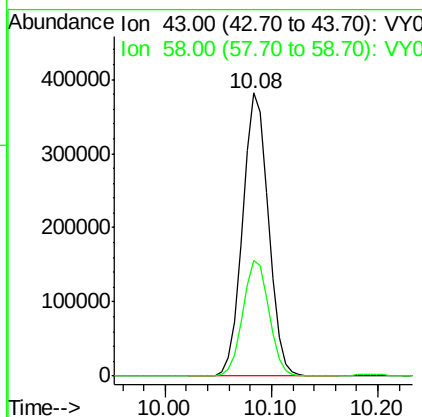
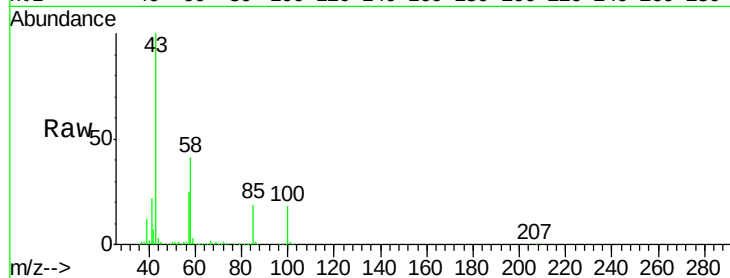
#51
4-Methyl-2-Pentanone
Concen: 264.874 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	651498
Ion Ratio	100	Lower	Upper
43	100		
58	41.5	33.2	49.8

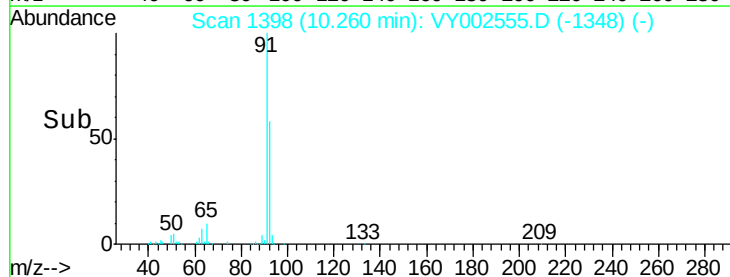
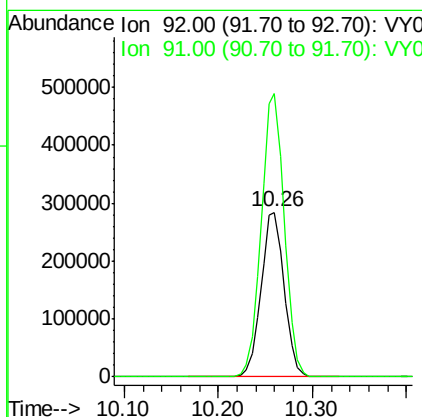
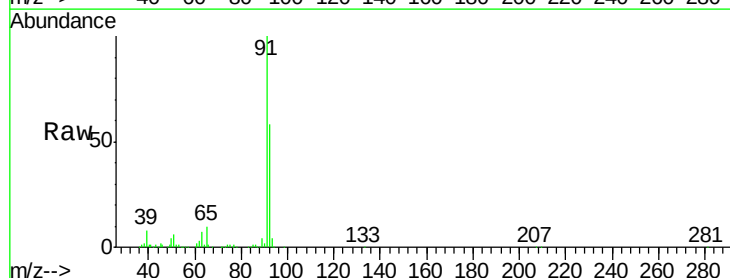
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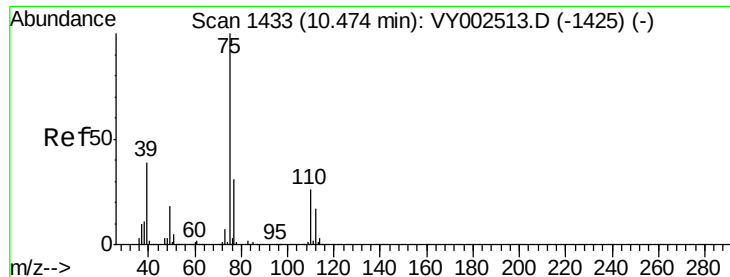
MMDadoda
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#52
Toluene
Concen: 53.301 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	92	Resp	490068
Ion Ratio	100	Lower	Upper
92	100		
91	172.3	139.3	208.9





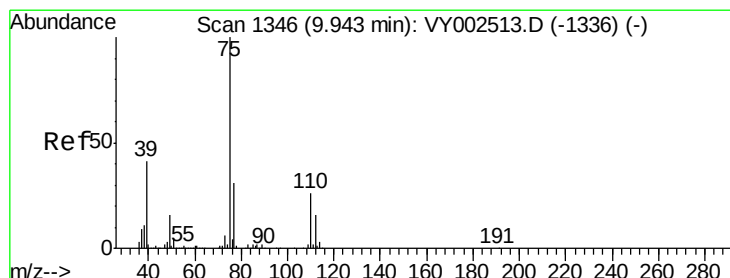
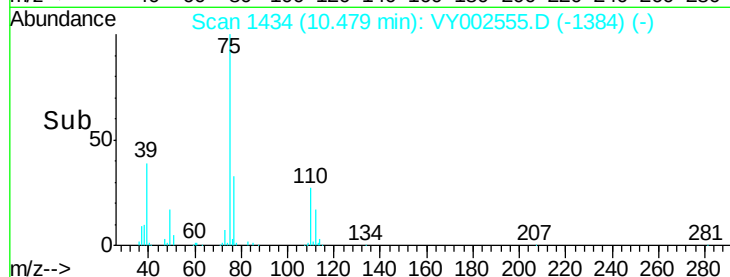
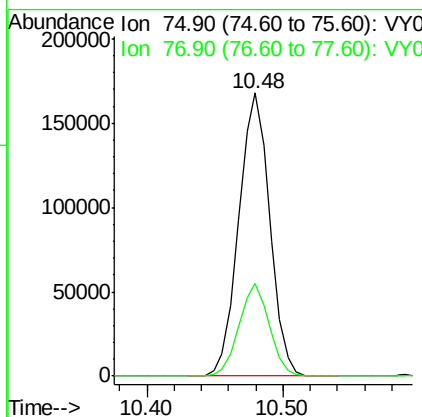
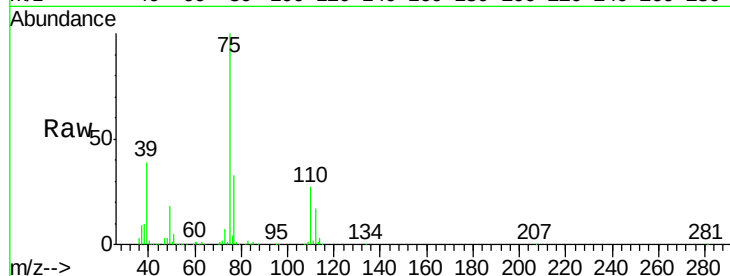
#53
t-1,3-Dichloropropene
Concen: 52.757 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6

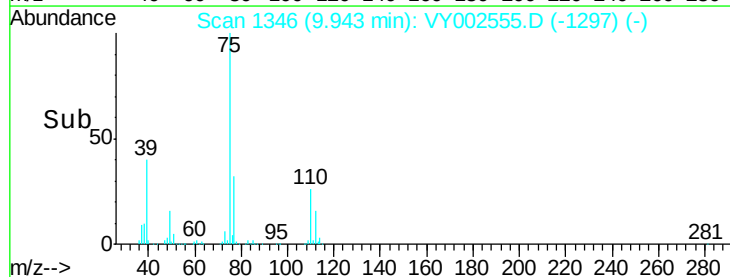
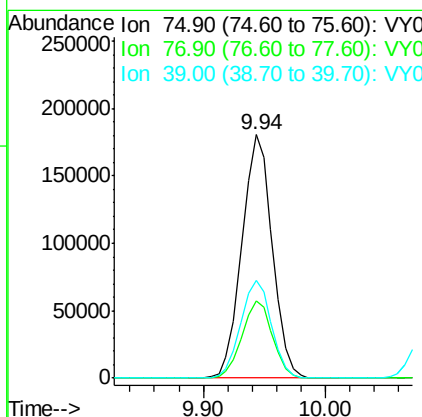
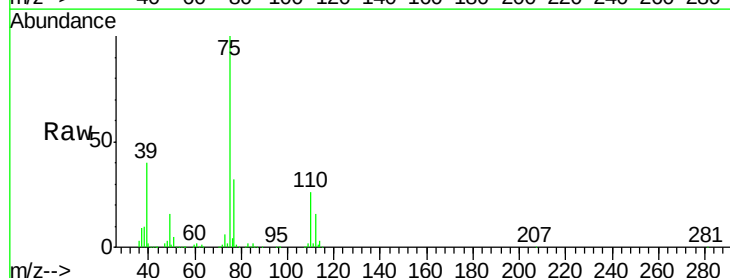
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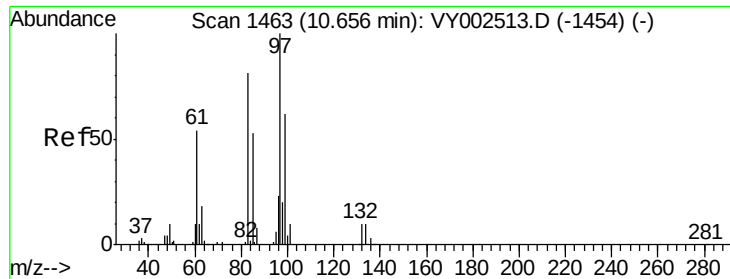
MMDadoda
5/5/2020 11:29:14 AM



#54
cis-1,3-Dichloropropene
Concen: 52.980 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	40.3	32.7	49.1





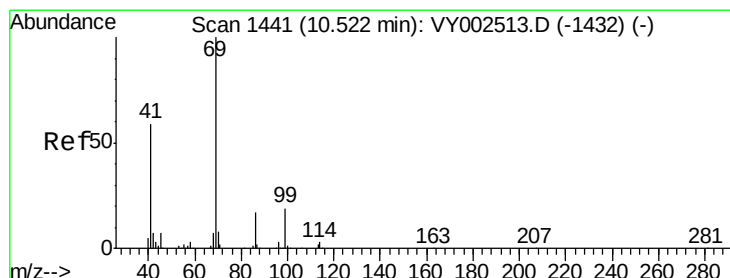
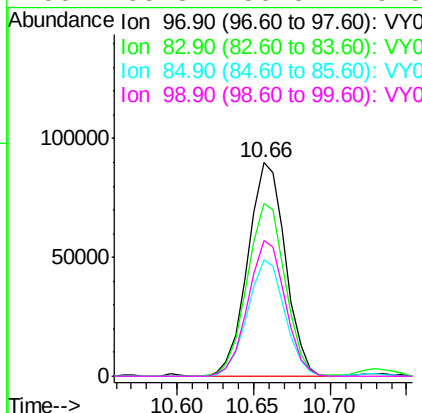
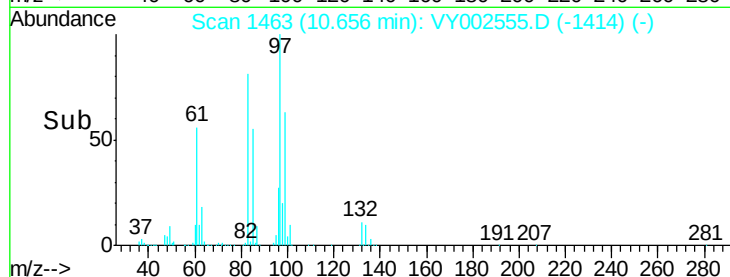
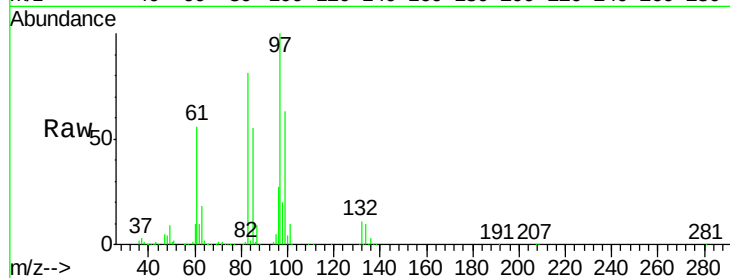
#55
 1,1,2-Trichloroethane
 Concen: 53.203 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	154130
Ion	Ratio	Lower	Upper
97	100		
83	80.8	65.1	97.7
85	54.6	42.7	64.1
99	63.3	50.0	75.0

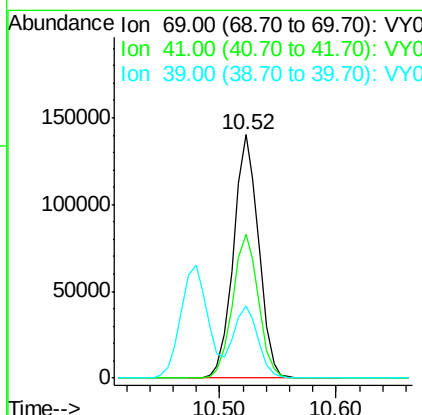
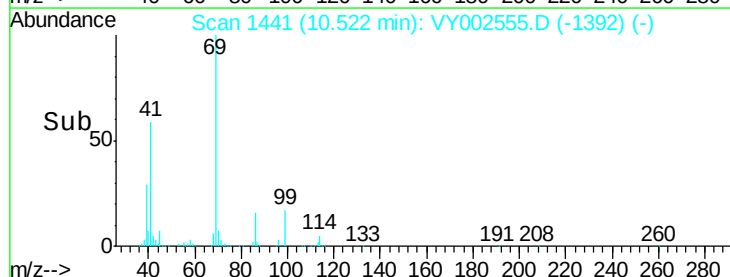
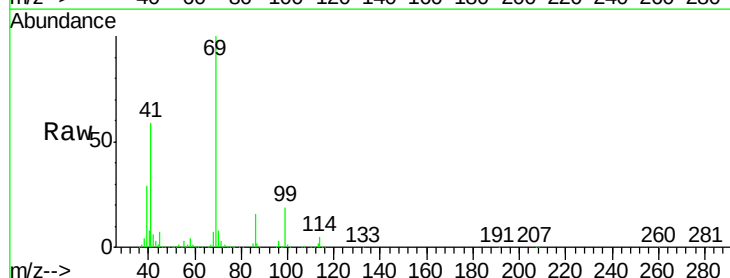
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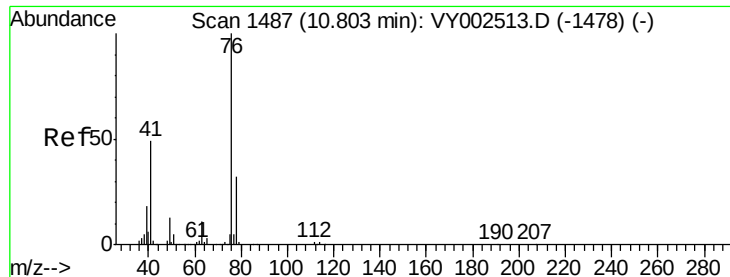
MMDadoda
 5/5/2020 11:29:14 AM



#56
 Ethyl methacrylate
 Concen: 54.715 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion:	69	Resp:	210869
Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.6	73.0
39	28.2	25.0	37.4





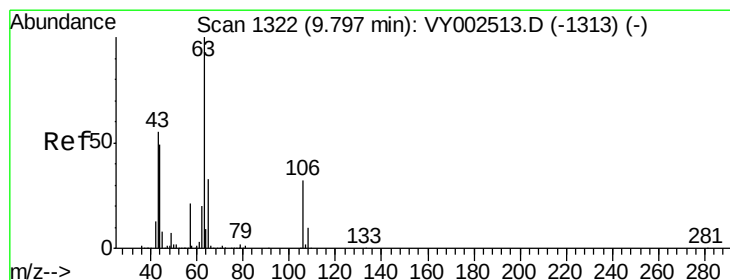
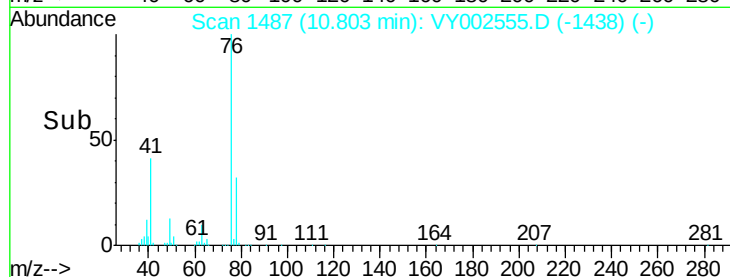
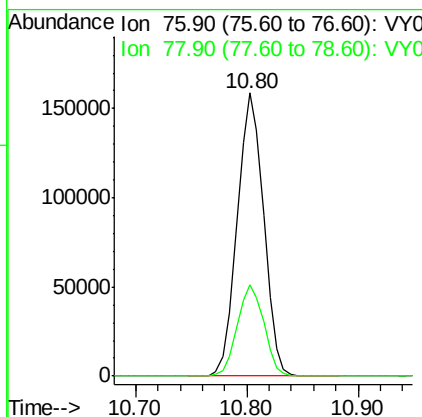
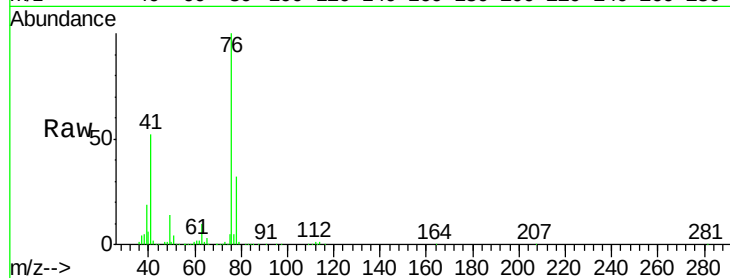
#57
 1,3-Dichloropropane
 Concen: 52.920 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.2

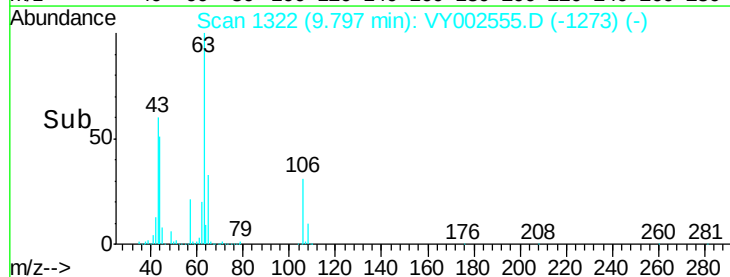
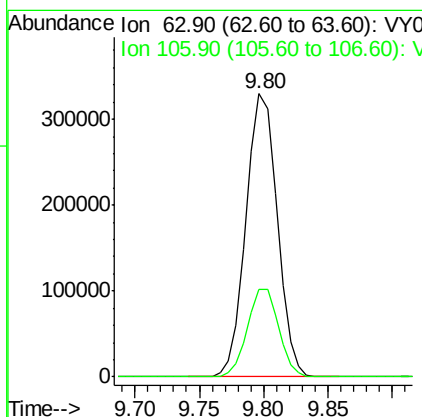
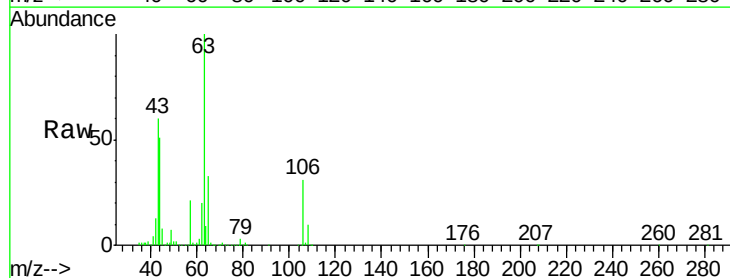
Manual Integrations
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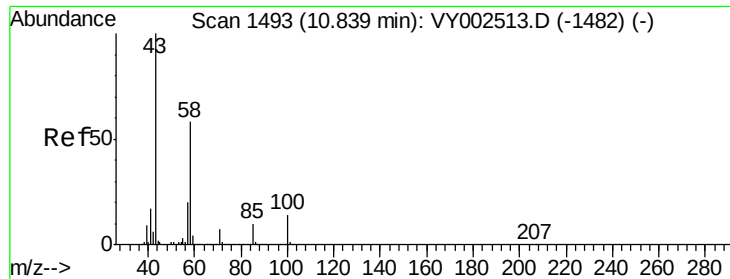
MMDadoda
 5/5/2020 11:29:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.628 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	25.2	37.8





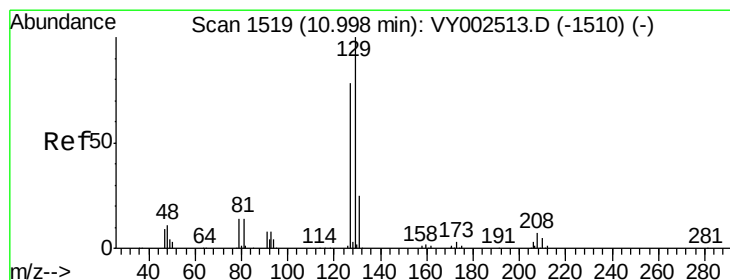
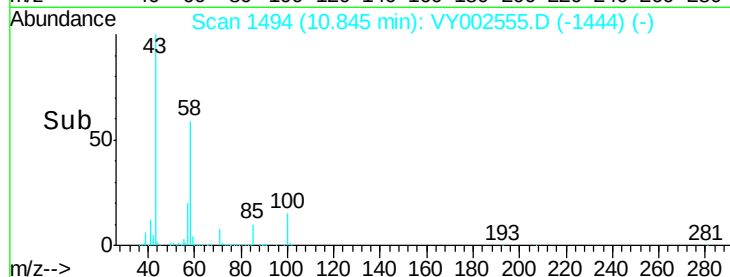
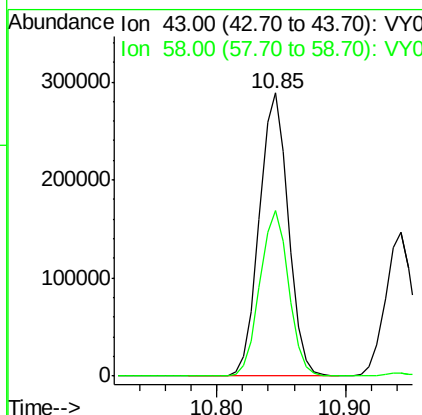
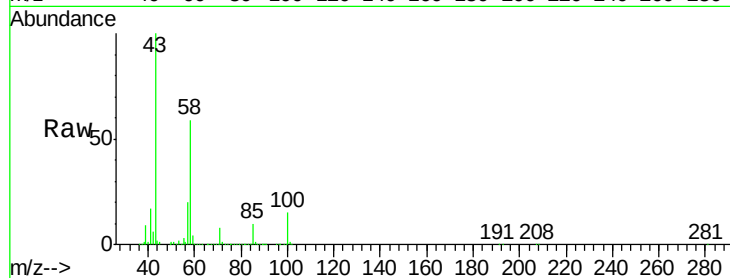
#59
2-Hexanone
Concen: 265.630 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	449686
Ion Ratio	Lower	Upper	
43	100		
58	58.0	29.1	87.3

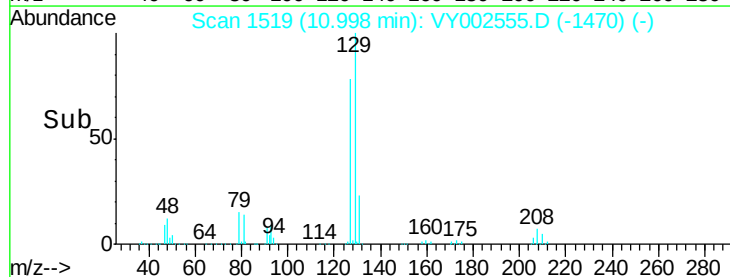
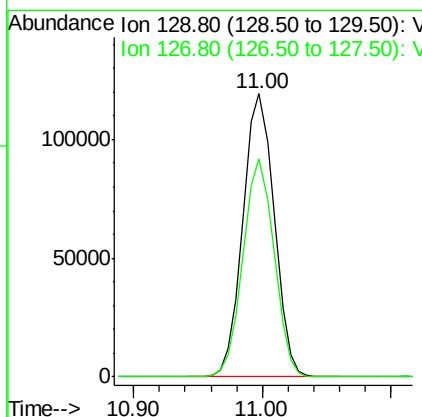
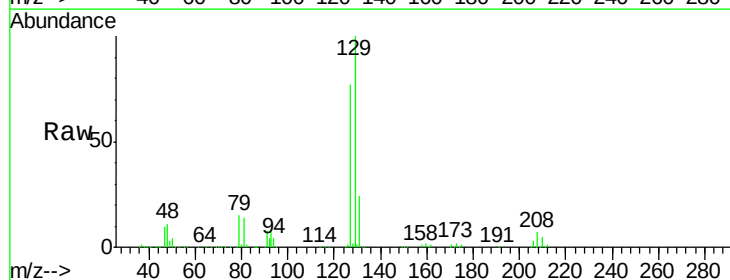
Manual Integrations
APPROVED

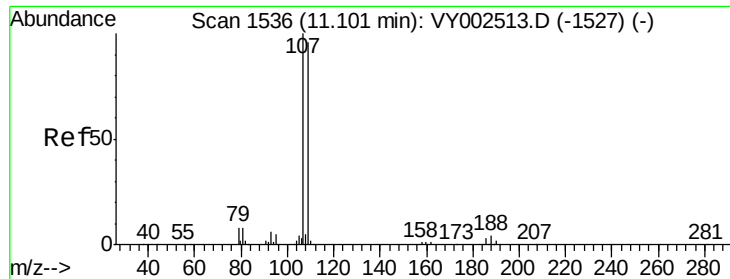
MMDadoda
5/5/2020 11:29:14 AM



#60
Dibromochloromethane
Concen: 54.386 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	129	Resp	200392
Ion Ratio	Lower	Upper	
129	100		
127	76.2	39.0	117.0





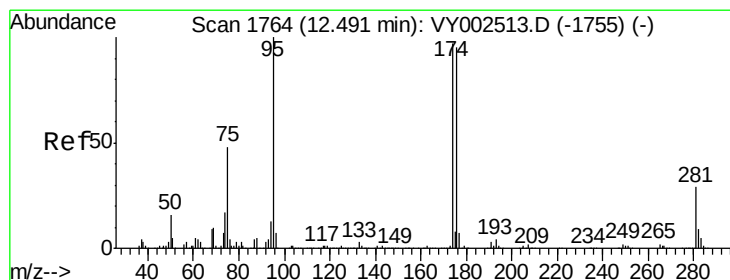
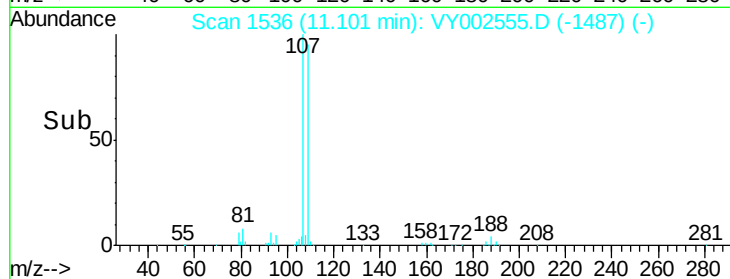
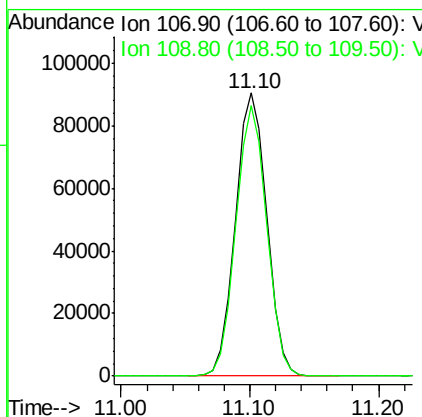
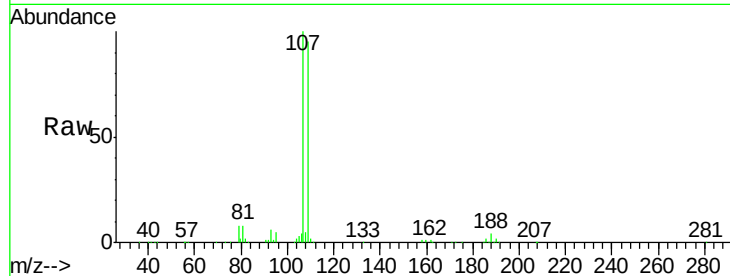
#61
 1,2-Dibromoethane
 Concen: 53.133 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8

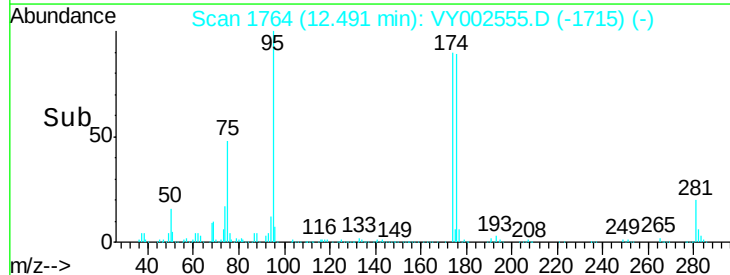
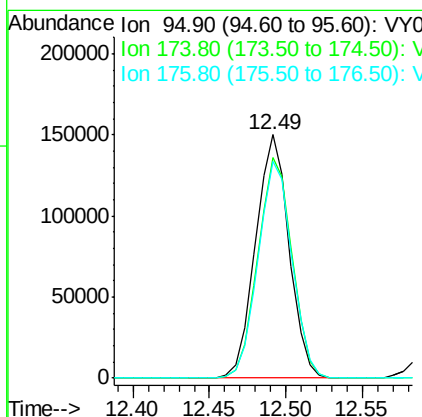
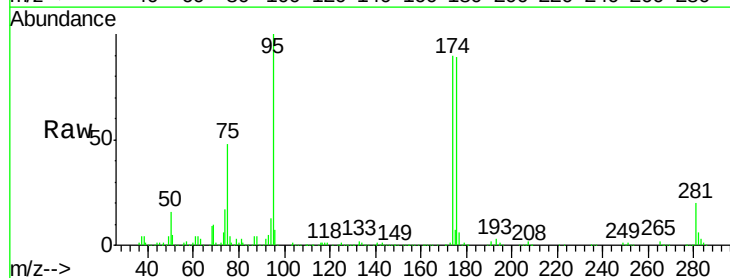
Manual Integrations
 APPROVED

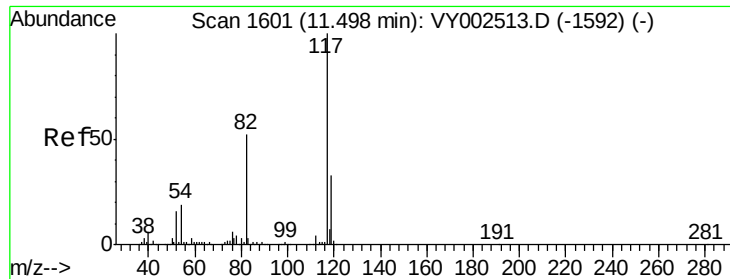
MMDadoda
 5/5/2020 11:29:14 AM



#62
 4-Bromofluorobenzene
 Concen: 51.061 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	188.8
176	90.5	0.0	183.2





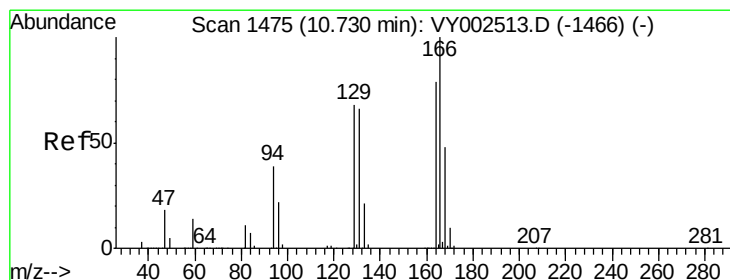
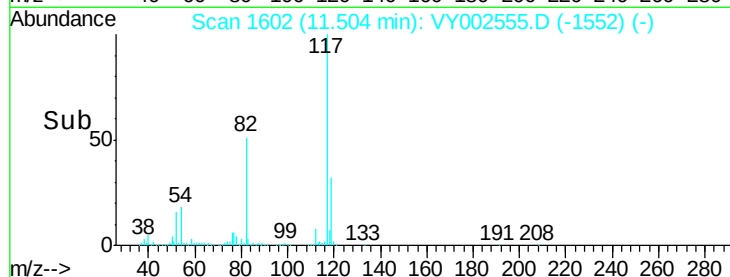
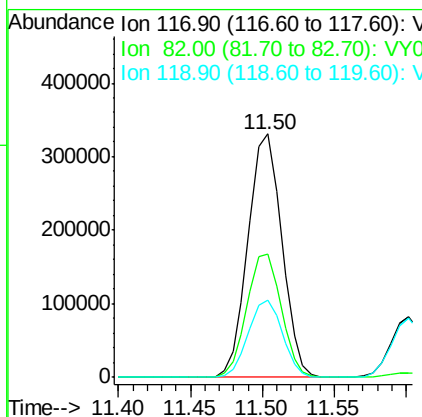
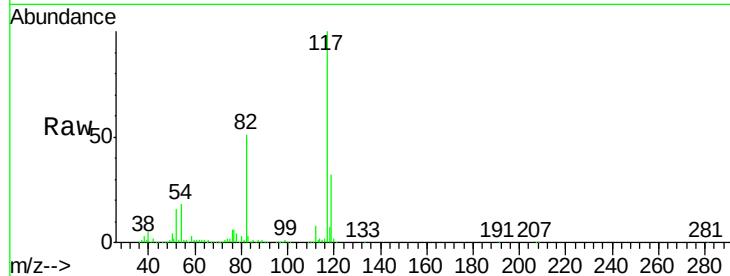
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	538482		
82	50.9		41.3	61.9
119	31.5		26.0	39.0

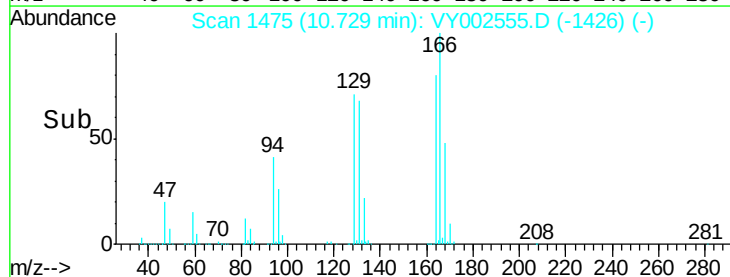
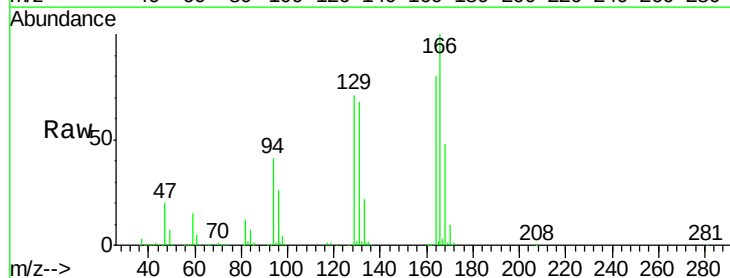
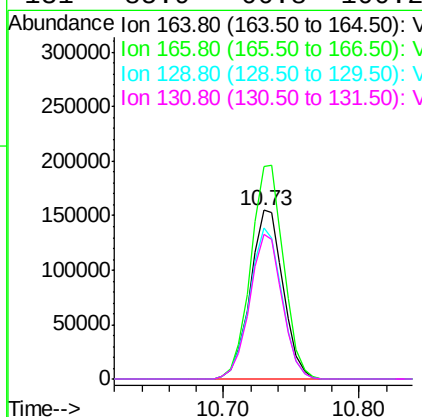
Manual Integrations
APPROVED

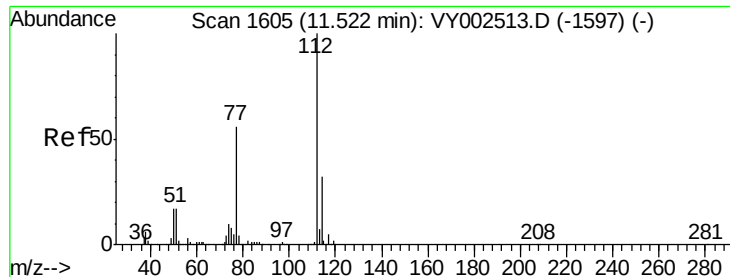
MMDadoda
5/5/2020 11:29:14 AM



#64
Tetrachloroethene
Concen: 54.880 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	262567		
166	125.6		100.7	151.1
129	89.4		68.3	102.5
131	85.9		66.8	100.2





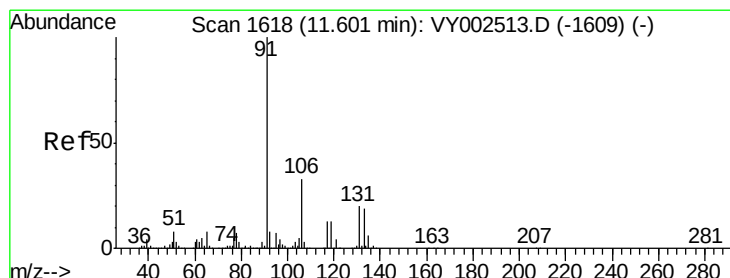
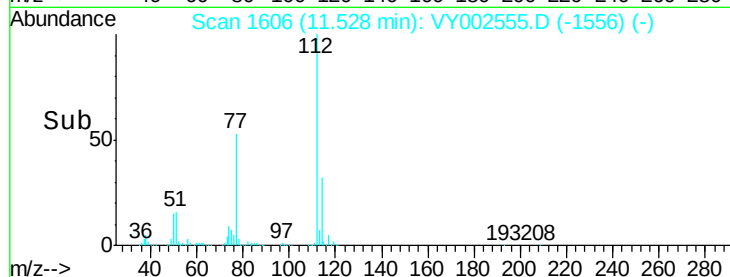
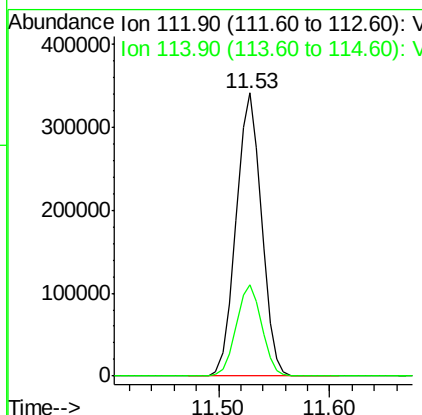
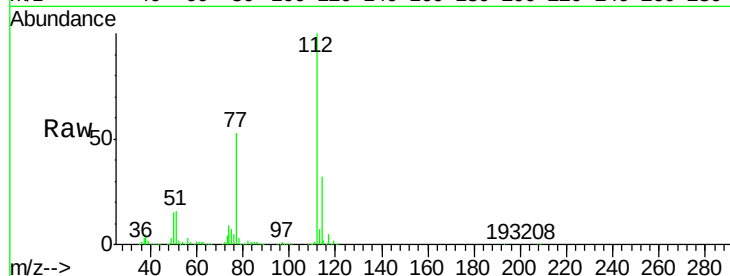
#65
Chlorobenzene
Concen: 52.549 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

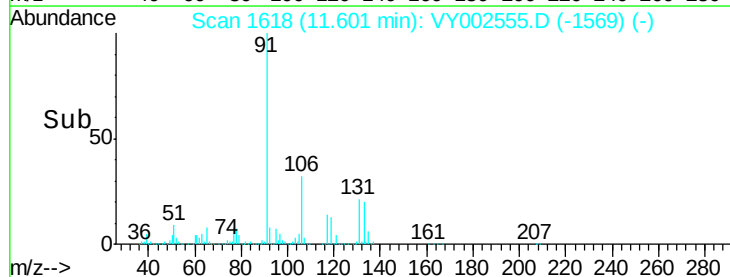
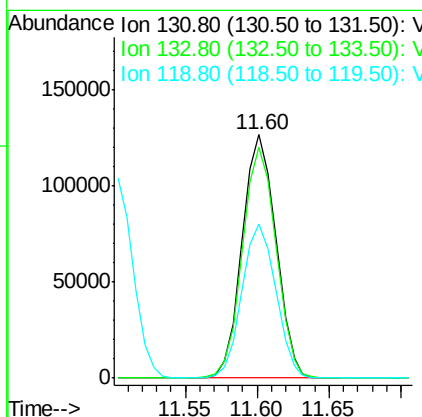
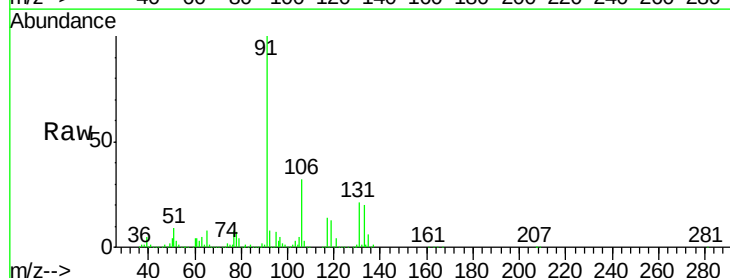
Manual Integrations
APPROVED

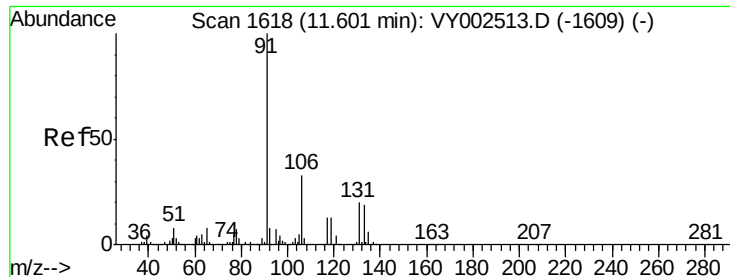
MMDadoda
5/5/2020 11:29:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.175 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.1	144.4
119	63.6	31.6	95.0





#67

Ethyl Benzene

Concen: 52.305 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 940502

Ion Ratio Lower Upper

91 100

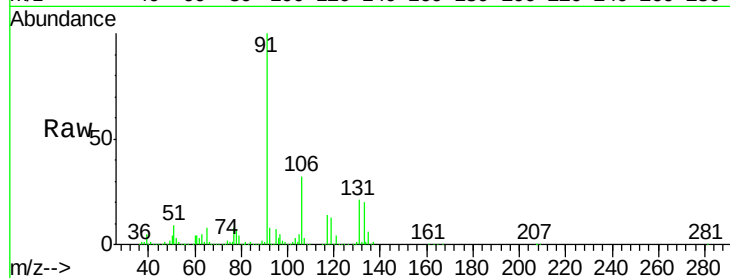
106 32.0 26.1 39.1

Manual Integrations

APPROVED

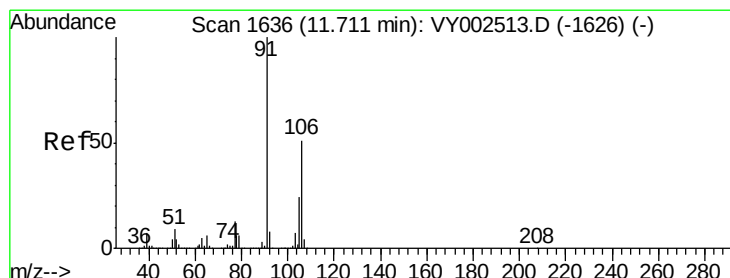
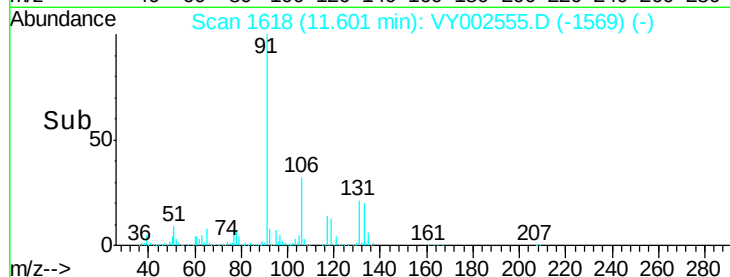
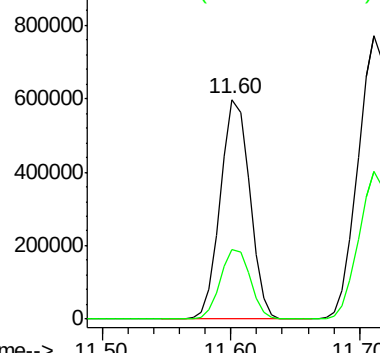
MMDadoda

5/5/2020 11:29:14 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: 104.644 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002555.D

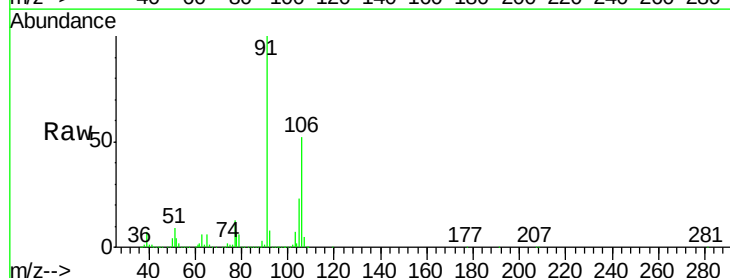
Acq: 04 May 2020 21:33

Tgt Ion: 106 Resp: 728044

Ion Ratio Lower Upper

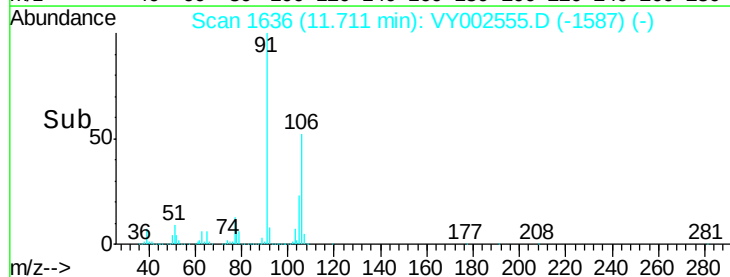
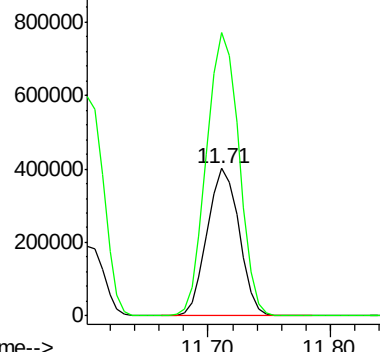
106 100

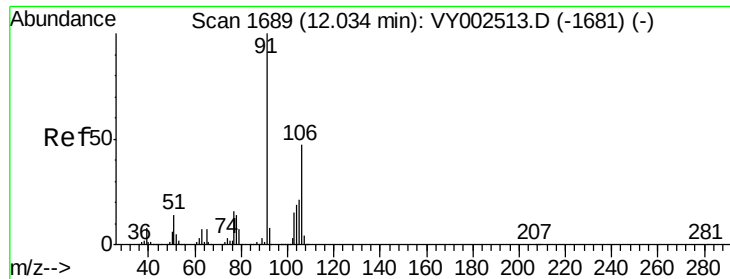
91 194.7 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





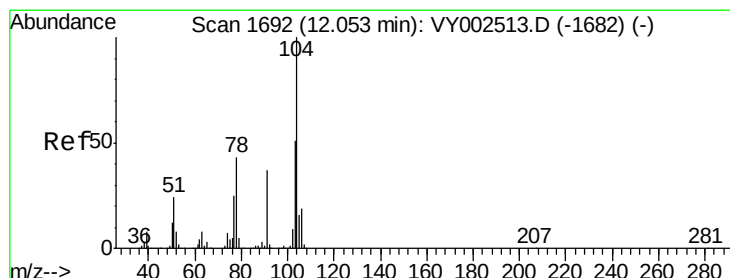
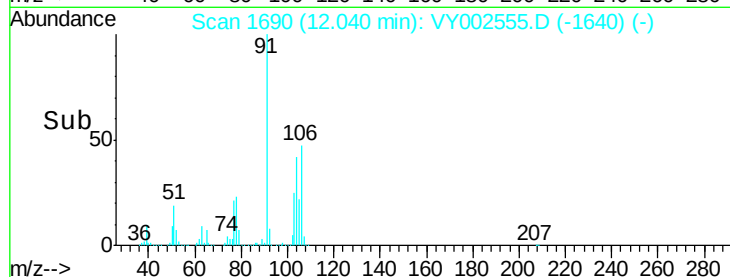
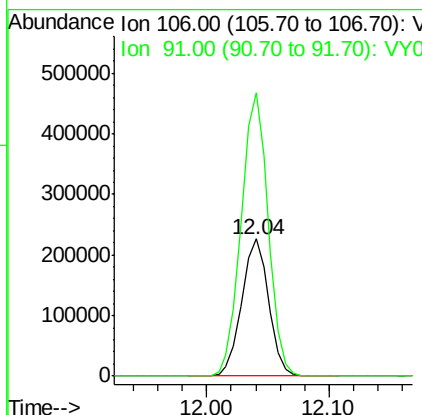
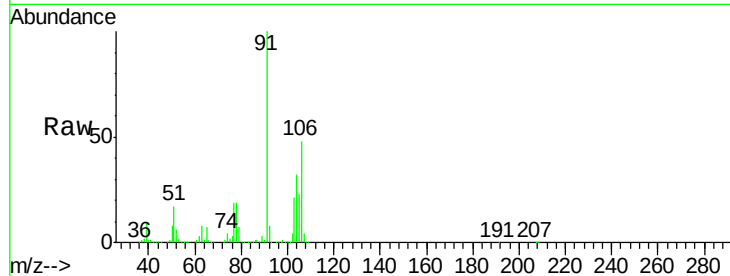
#69
o-Xylene
Concen: 53.014 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		345345		
91	207.0	103.8	311.3		

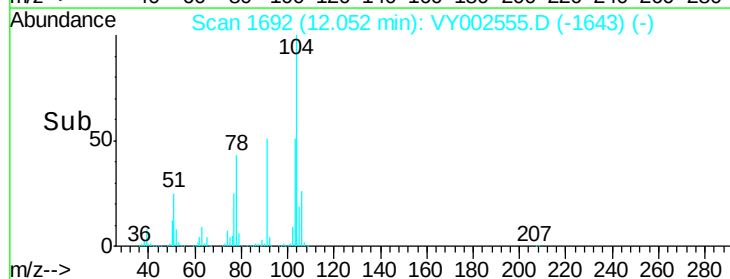
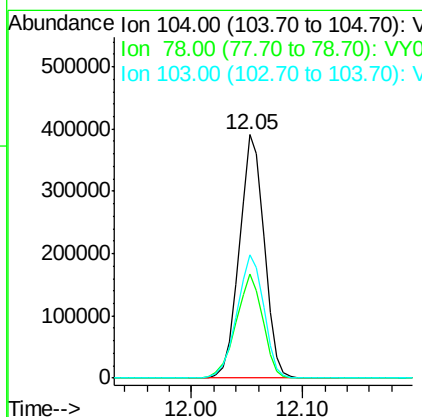
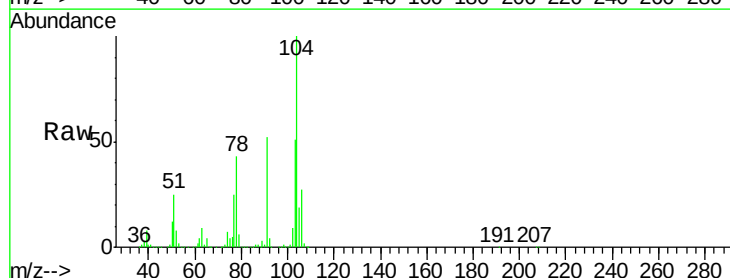
Manual Integrations
APPROVED

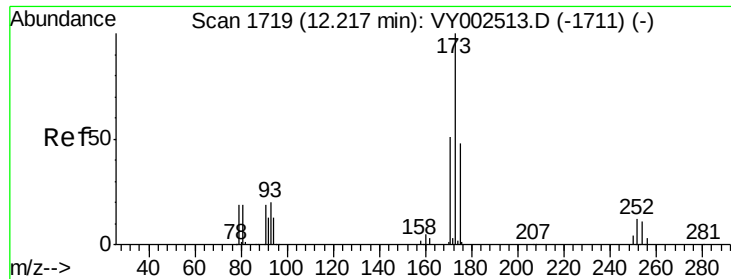
MMDadoda
5/5/2020 11:29:14 AM



#70
Styrene
Concen: 54.009 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		601463		
78	45.9	37.4	56.0		
103	54.6	43.9	65.9		





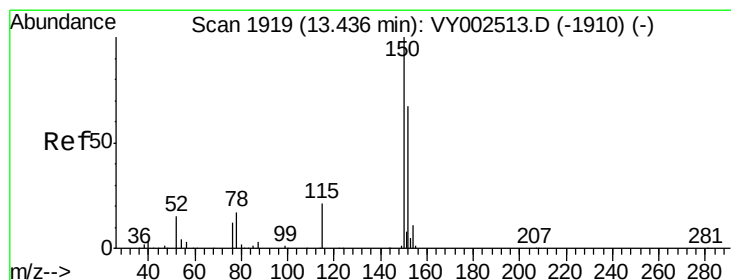
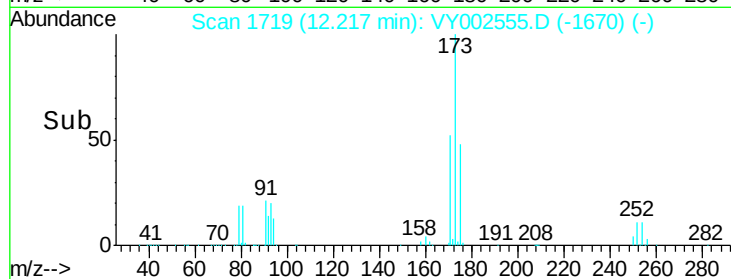
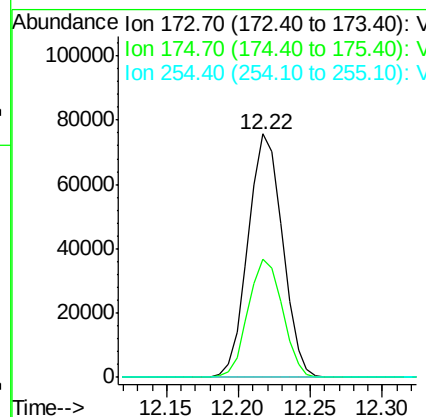
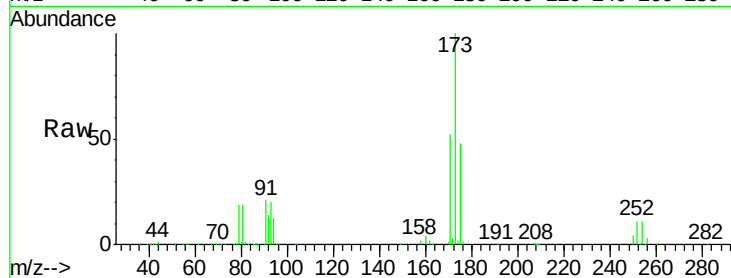
#71
Bromoform
Concen: 53.122 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.2	0.2	0.2

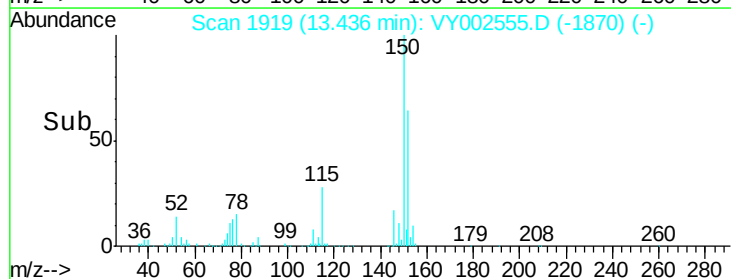
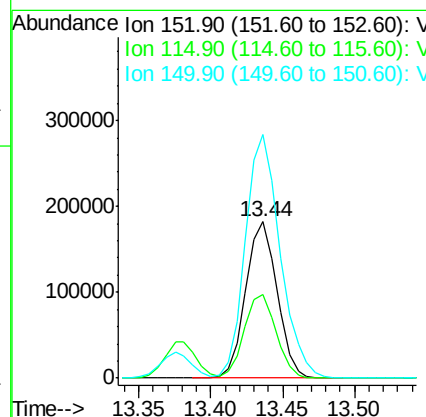
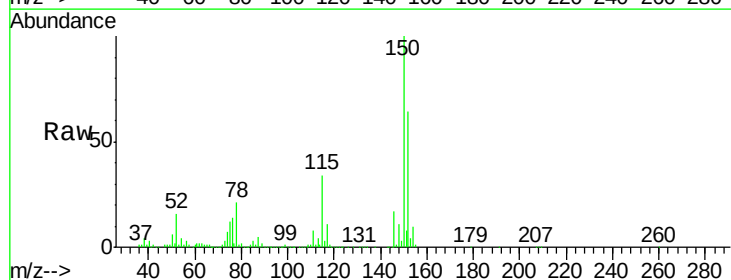
Manual Integrations
APPROVED

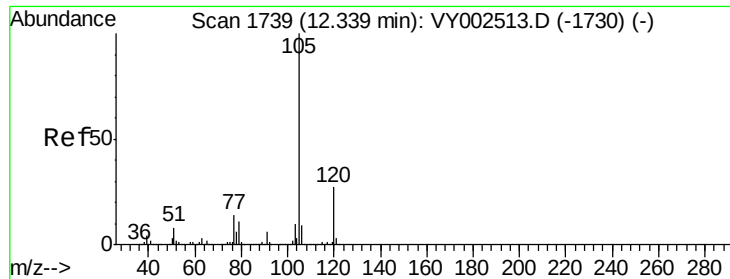
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5/5/2020 11:29:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.5	82.4
150	172.7	0.0	346.4





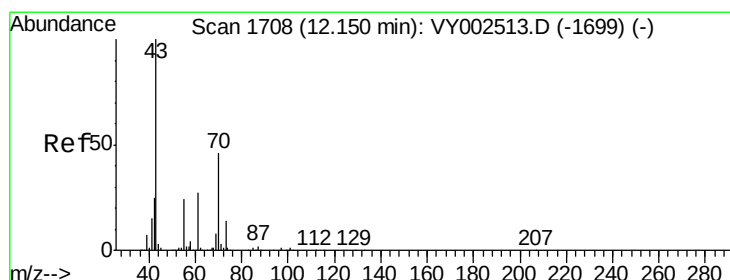
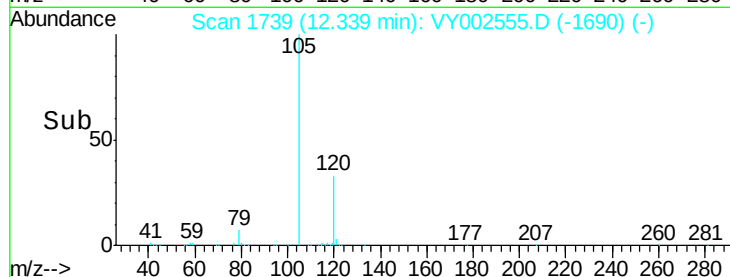
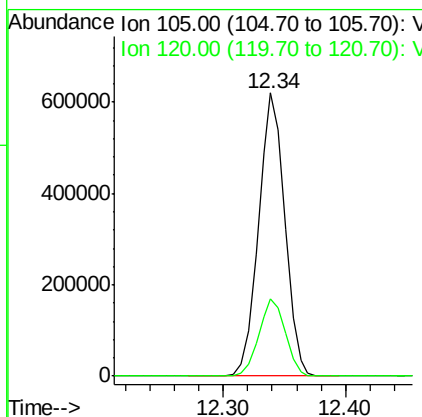
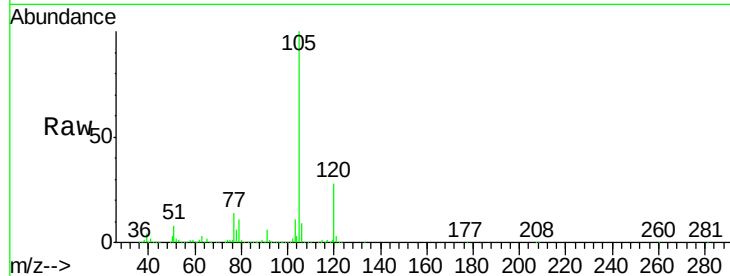
#73
Isopropylbenzene
Concen: 52.248 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.8	41.3

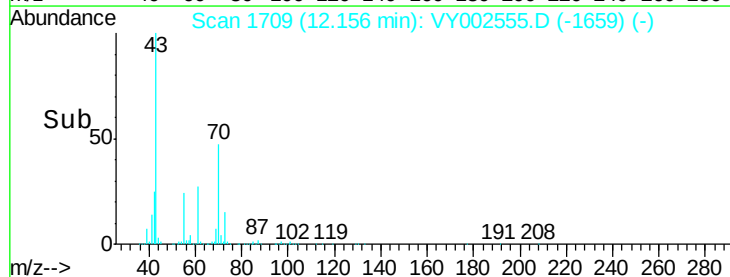
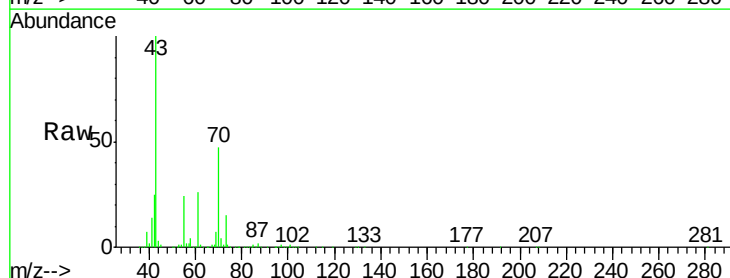
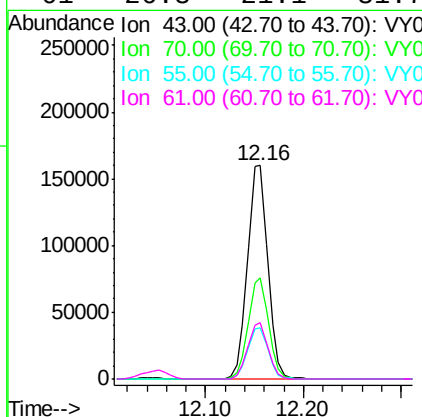
Manual Integrations
APPROVED

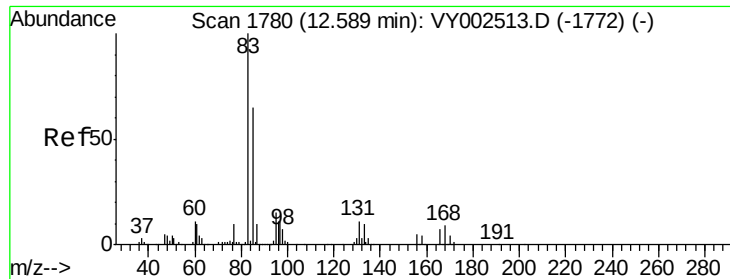
MMDadoda
5/5/2020 11:29:14 AM



#74
N-ethyl acetate
Concen: 54.086 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.2	36.7	55.1
55	24.2	19.2	28.8
61	26.3	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.202 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

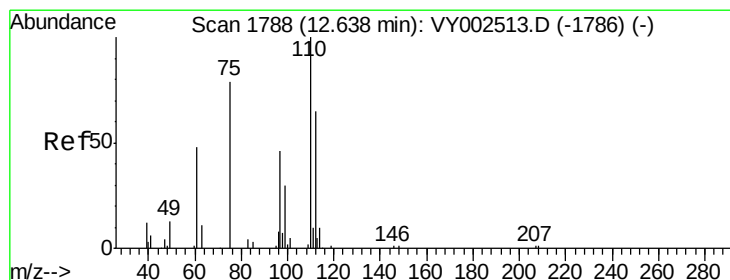
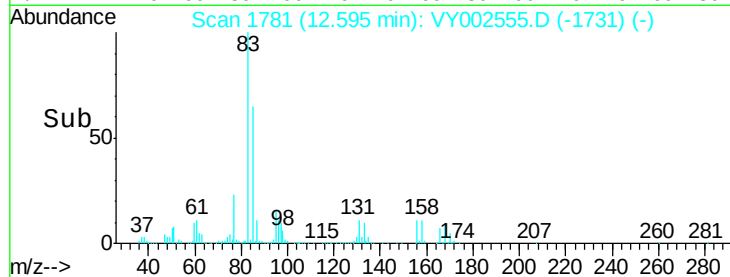
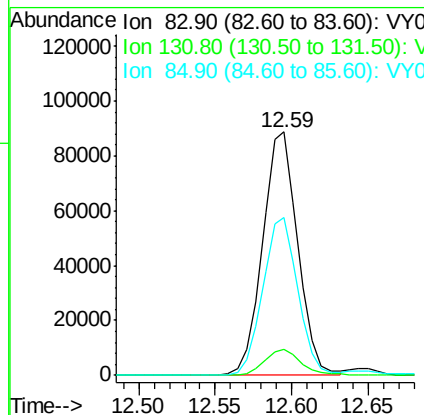
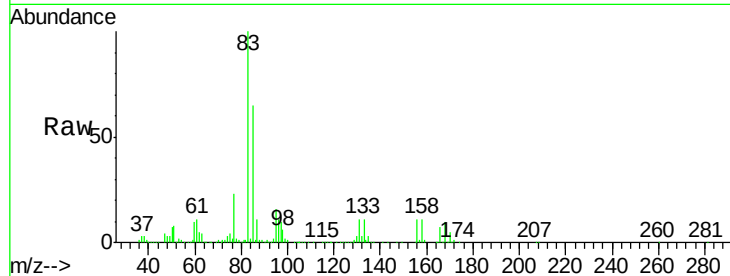
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141659
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.8
85	64.7	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:14 AM



#76

1,2,3-Trichloropropane

Concen: 46.284 ug/l m

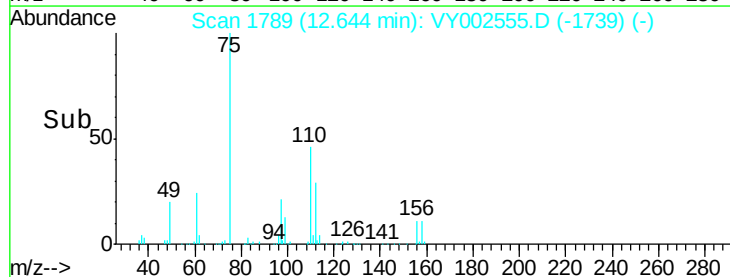
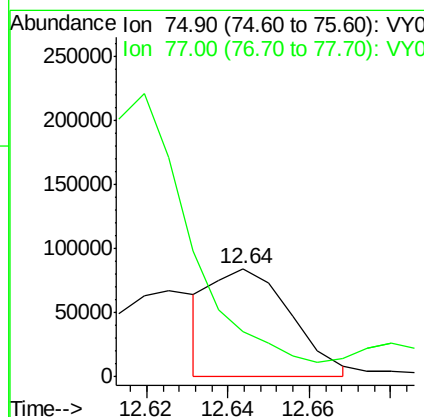
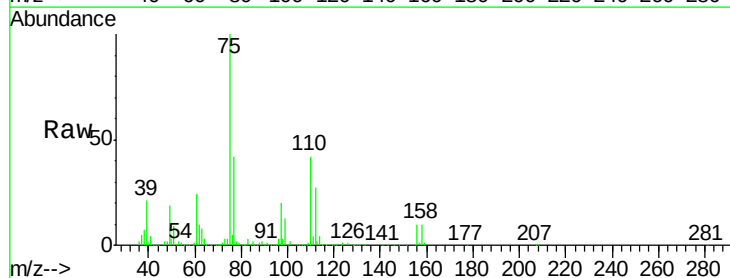
RT: 12.64 min Scan# 1789

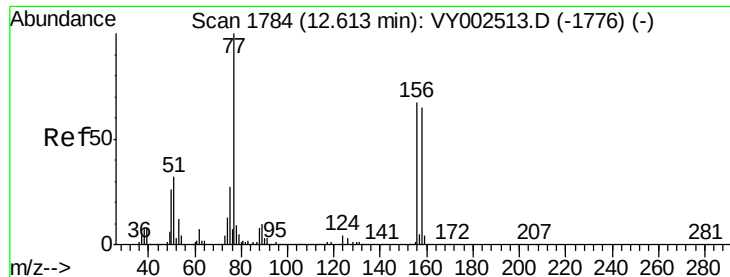
Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	75	Resp:	112606
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.512 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

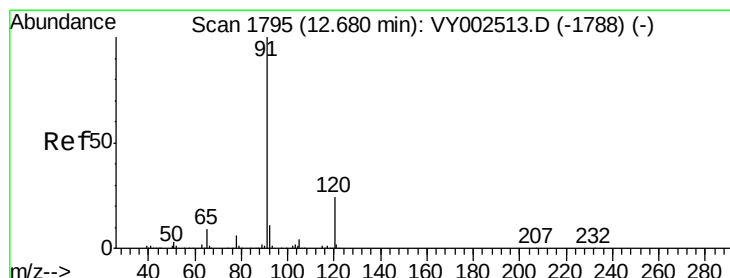
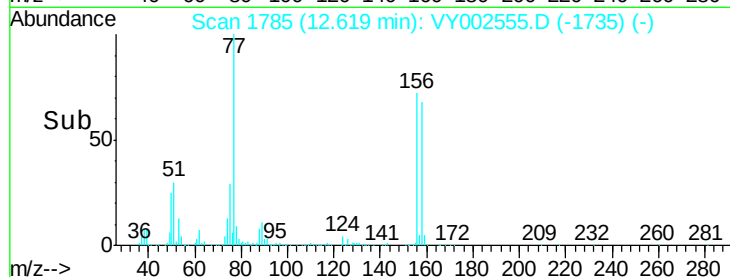
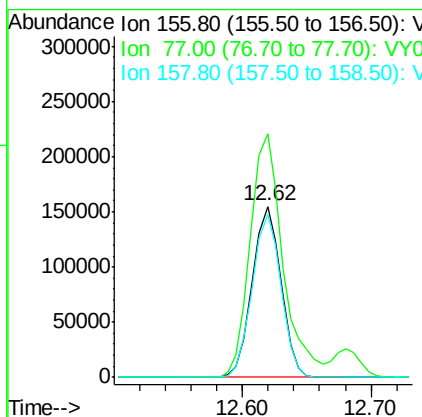
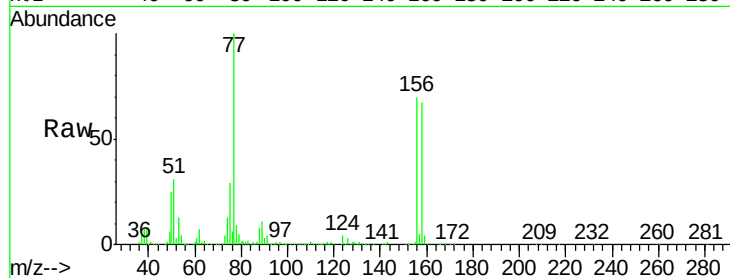
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	237212
Ion Ratio	Lower	Upper	
156	100		
77	162.9	82.0	245.8
158	96.2	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.142 ug/l

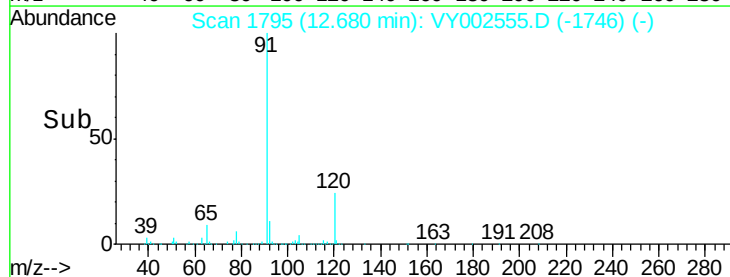
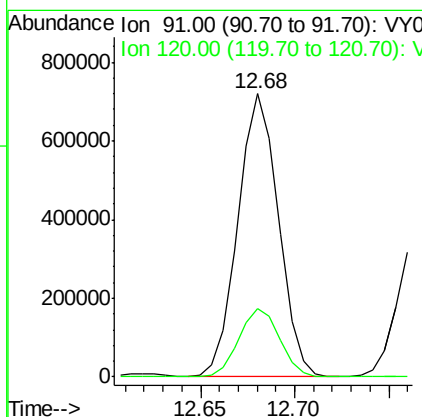
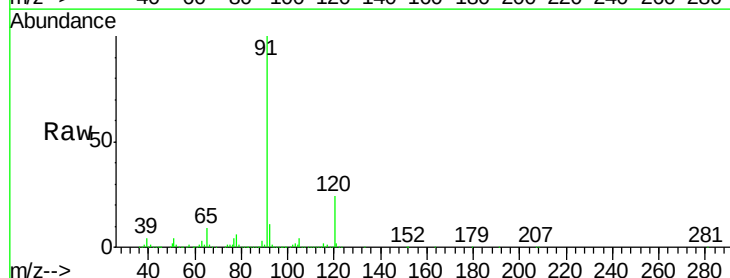
RT: 12.68 min Scan# 1795

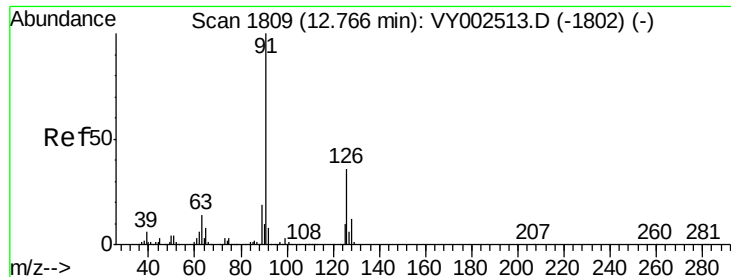
Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	91	Resp:	1073626
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.2	36.4





#79

2-Chlorotoluene

Concen: 52.768 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 601851

Ion Ratio Lower Upper

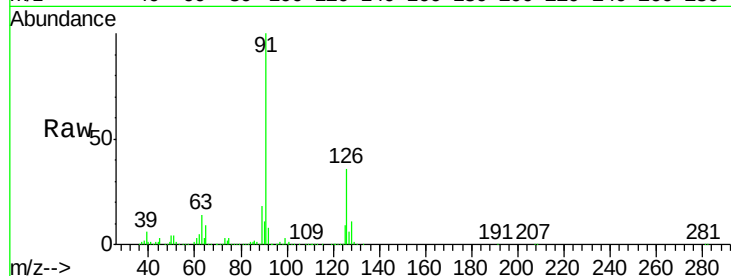
91 100

126 36.7 18.4 55.2

Manual Integrations
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MMDadoda

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

Ion 125.90 (125.60 to 126.60): VY002513.D (-1802) (-)

600000

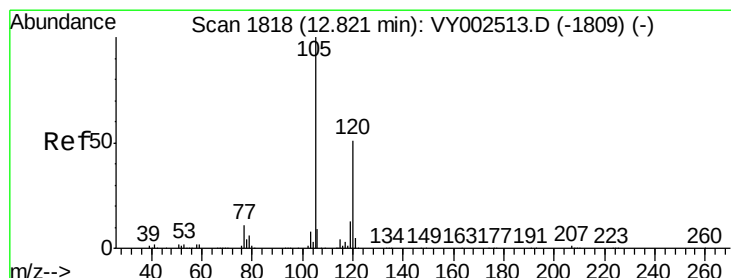
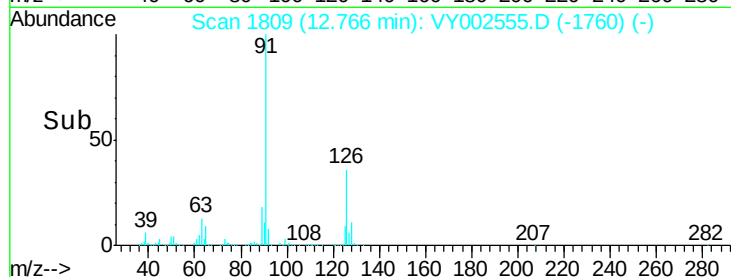
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.957 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002555.D

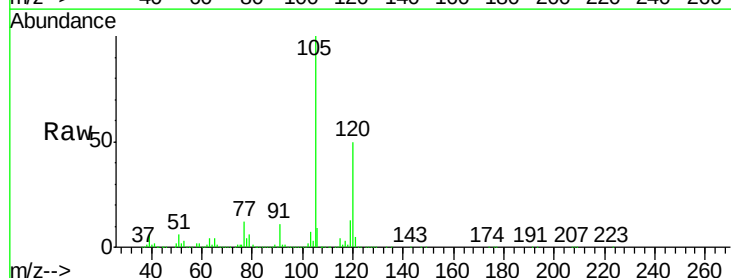
Acq: 04 May 2020 21:33

Tgt Ion: 105 Resp: 778862

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) (-)

Ion 120.00 (119.70 to 120.70): VY002513.D (-1809) (-)

600000

500000

400000

300000

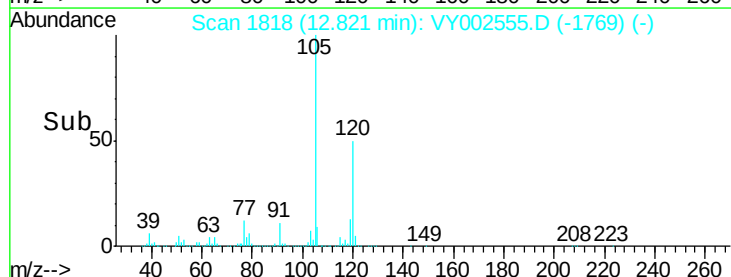
200000

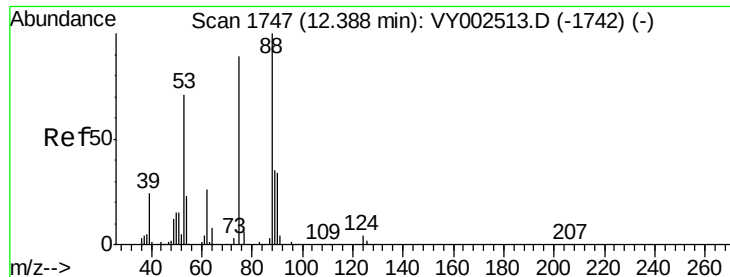
100000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.947 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

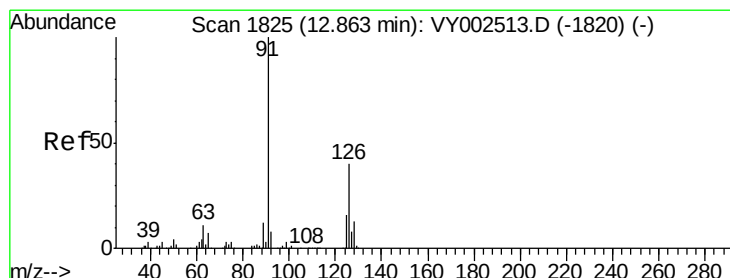
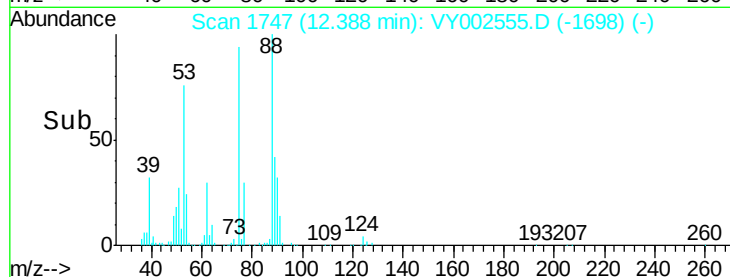
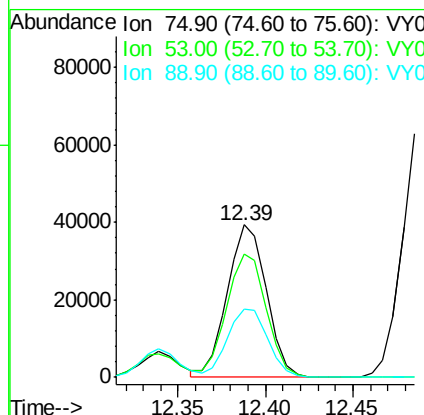
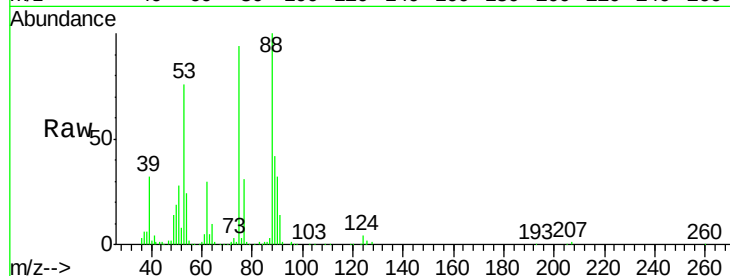
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	60601
Ion	Ratio	Lower	Upper
75	100		
53	82.8	67.4	101.0
89	46.4	37.4	56.0

Manual Integrations
APPROVED

MMDadoda
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#82

4-Chlorotoluene

Concen: 52.047 ug/l

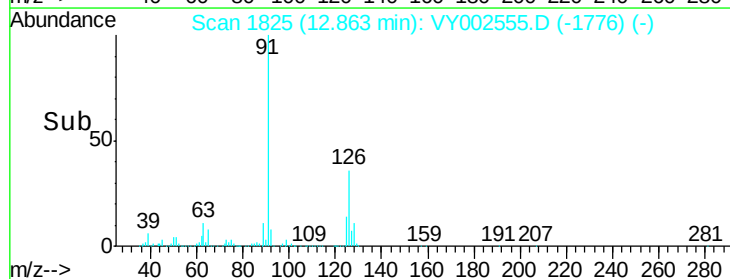
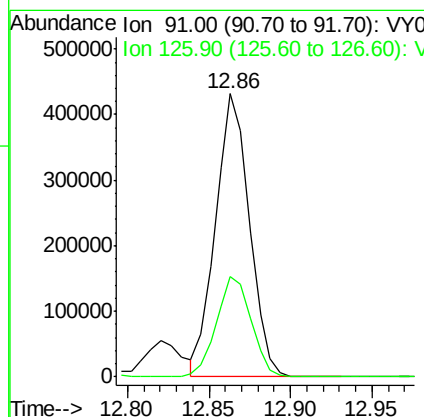
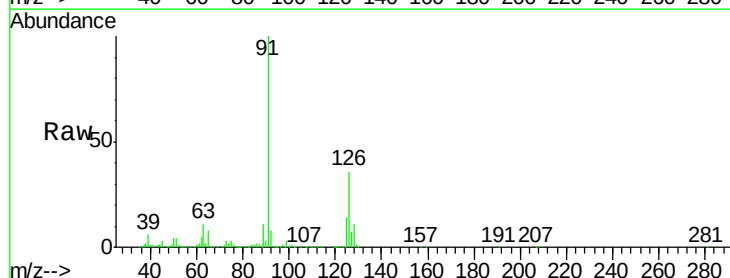
RT: 12.86 min Scan# 1825

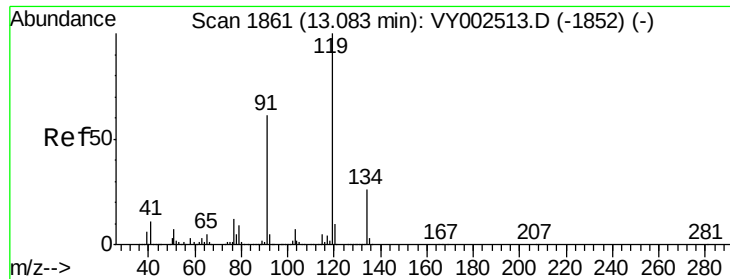
Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	91	Resp:	623561
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.5	55.5





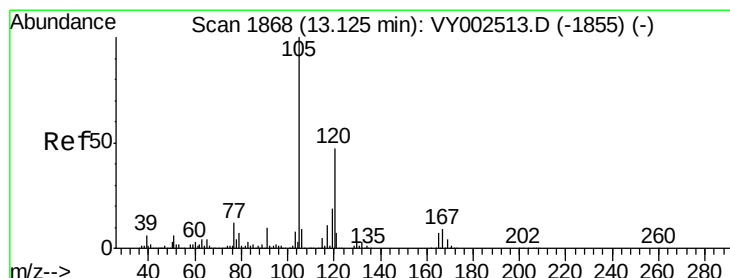
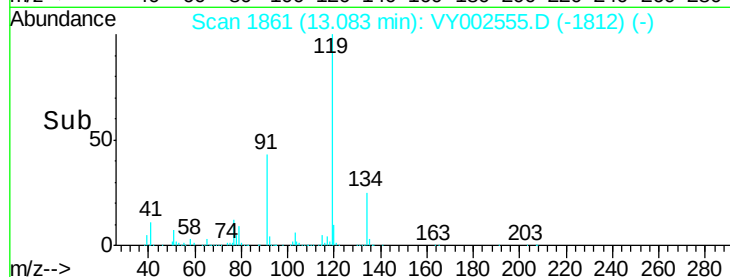
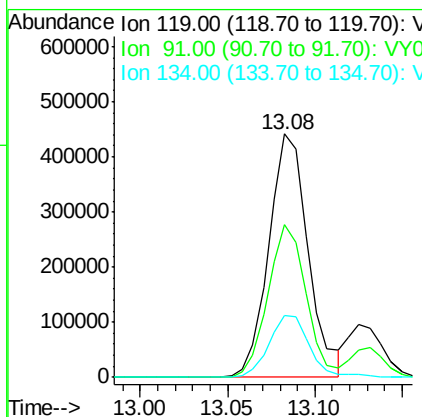
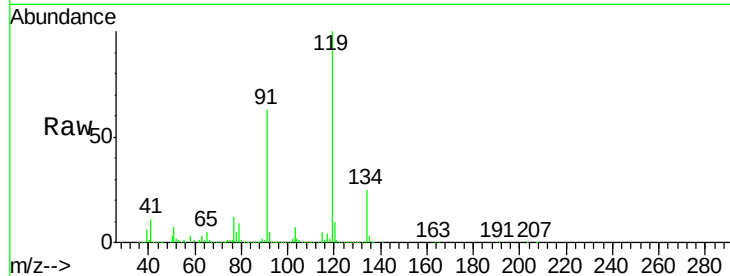
#83
 tert-Butylbenzene
 Concen: 53.622 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	691508
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.6	91.6
134	26.4	13.5	40.4

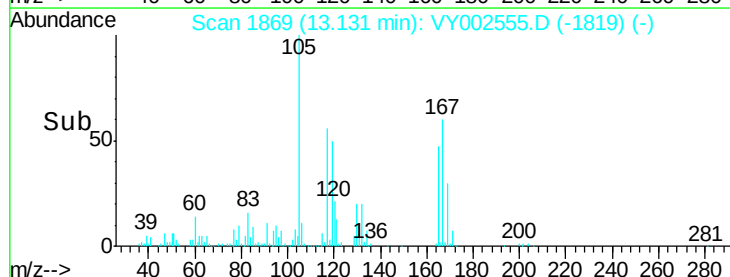
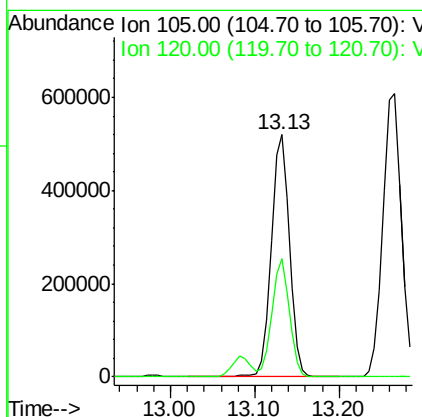
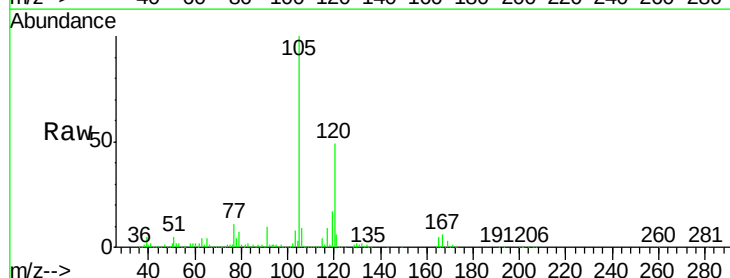
Manual Integrations
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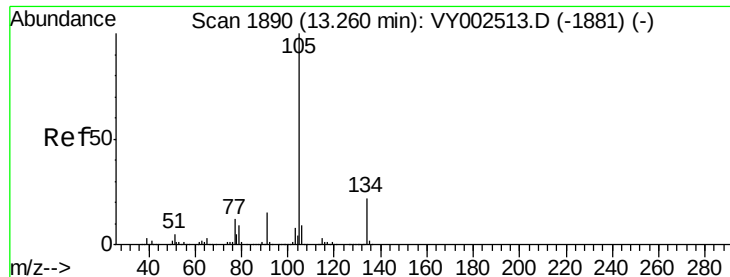
MMDadoda
 5/5/2020 11:29:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.085 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion:	105	Resp:	778114
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 52.120 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 932666

Ion Ratio Lower Upper

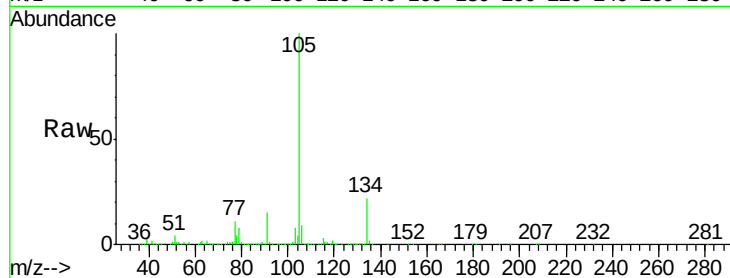
105 100

134 21.7 10.8 32.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

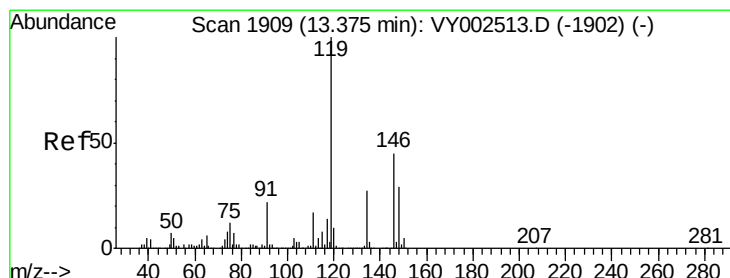
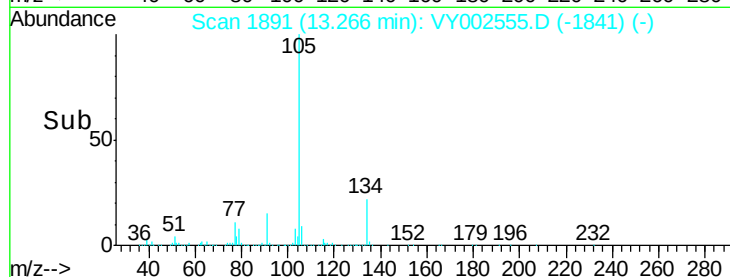
400000

200000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 51.788 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

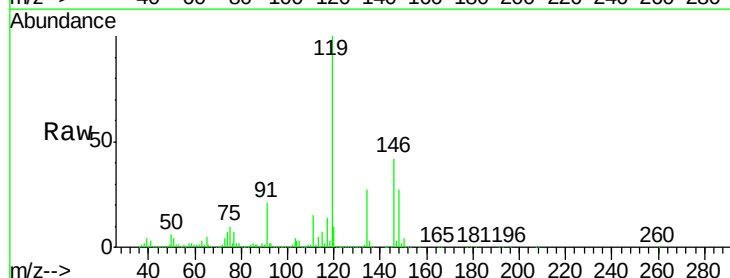
Tgt Ion:119 Resp: 868346

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 21.9 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

800000

600000

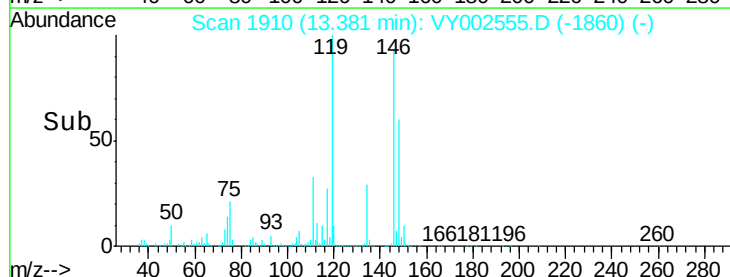
400000

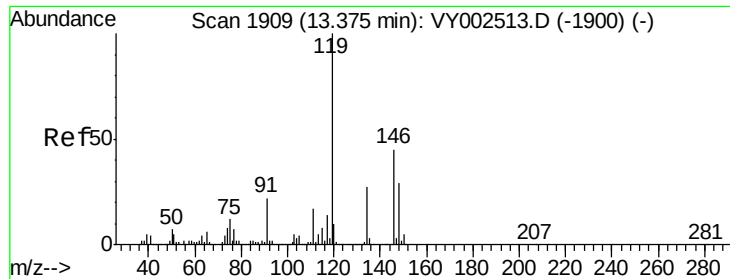
200000

0

13.30 13.35 13.40 13.45

Time-->





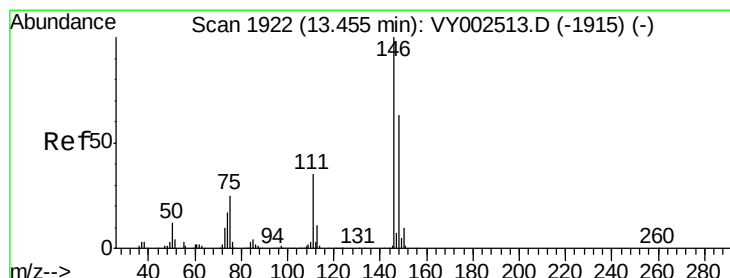
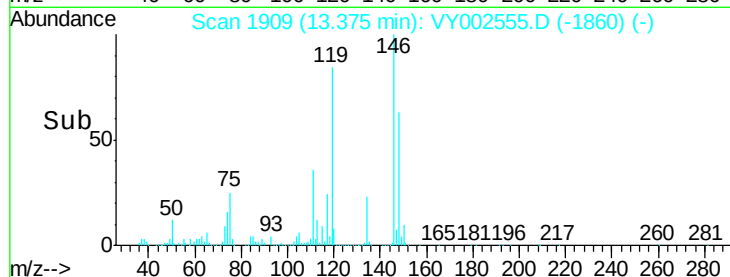
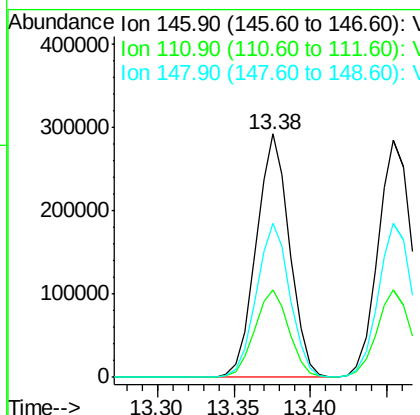
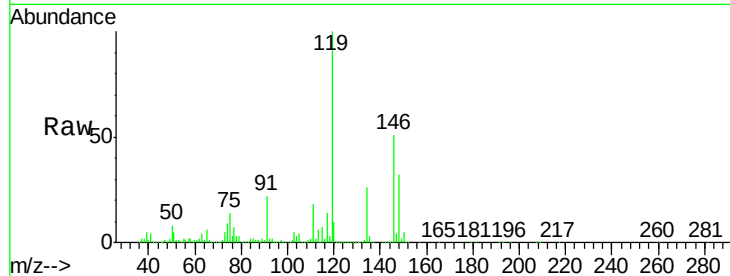
#87
 1,3-Dichlorobenzene
 Concen: 52.658 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	441802		
111	36.6	18.8	56.3	
148	63.4	32.1	96.3	

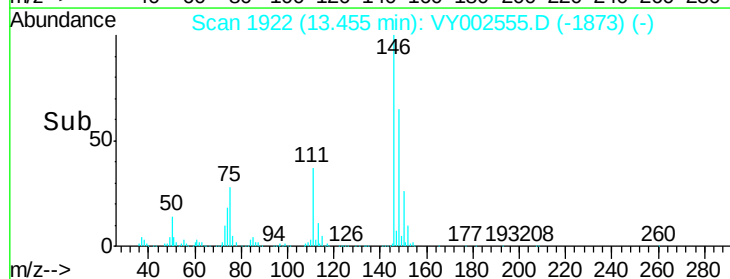
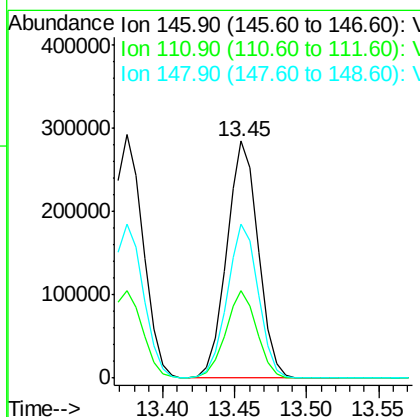
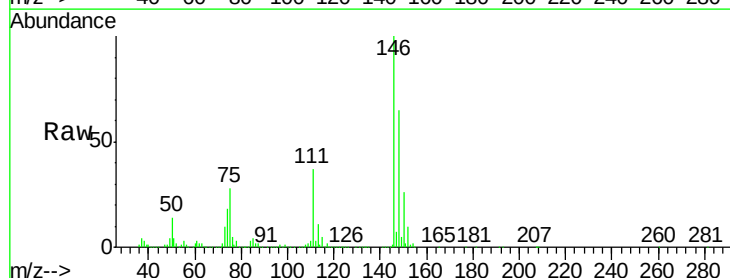
Manual Integrations
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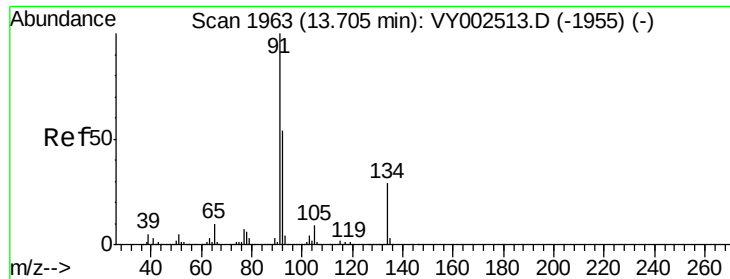
MMDadoda
 5/5/2020 11:29:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.364 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002555.D
 Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	435026		
111	36.4	18.1	54.1	
148	64.6	31.9	95.5	





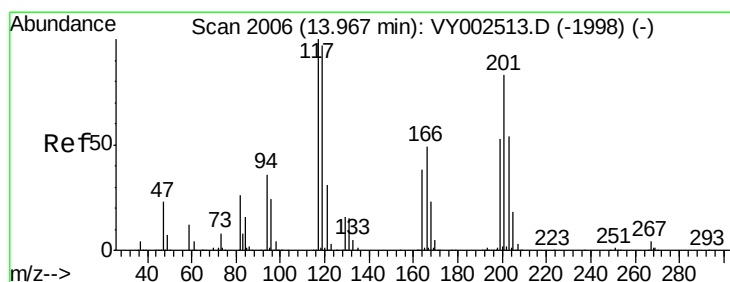
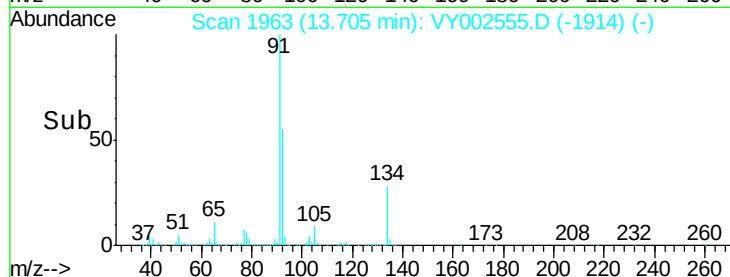
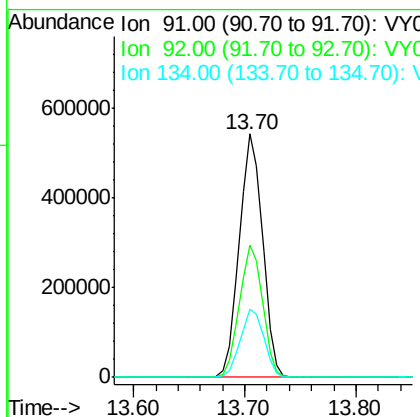
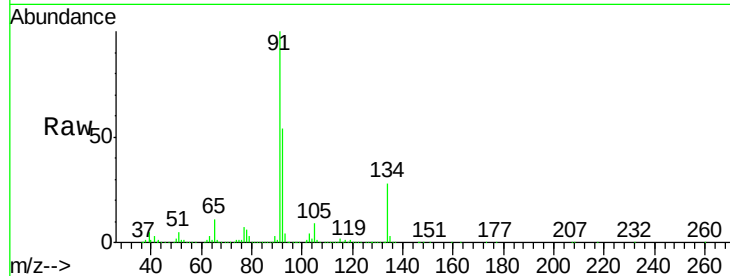
#89
n-Butylbenzene
Concen: 51.465 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.1	81.3	
134	28.4	14.4	43.0	

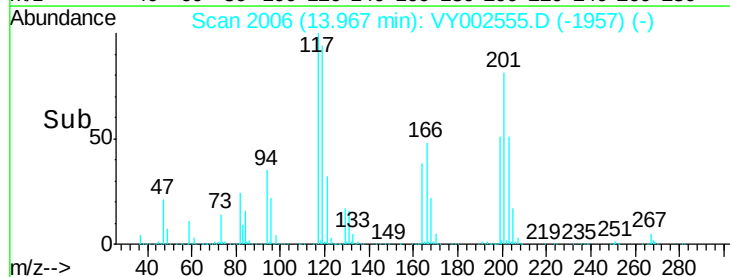
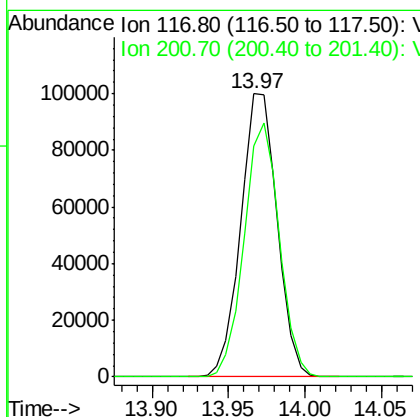
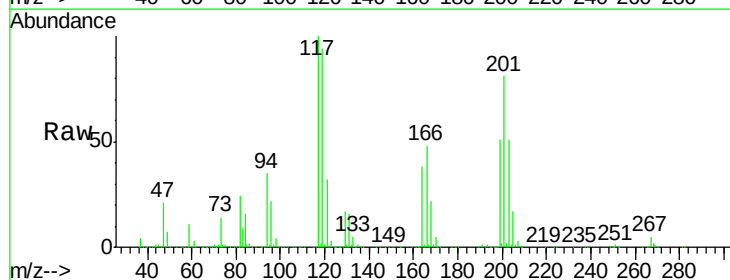
Manual Integrations
APPROVED

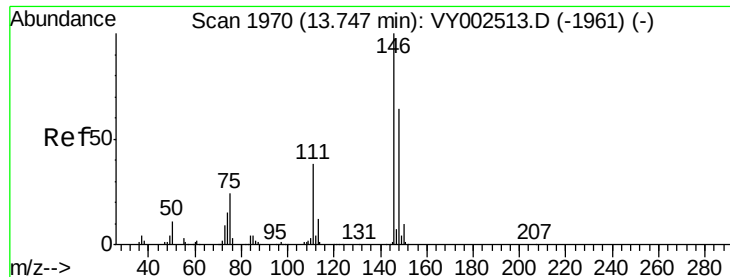
MMDadoda
5/5/2020 11:29:14 AM



#90
Hexachloroethane
Concen: 53.942 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.0	44.4	133.2	





#91

1,2-Dichlorobenzene

Concen: 52.726 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Instrument :

MSVOA_Y

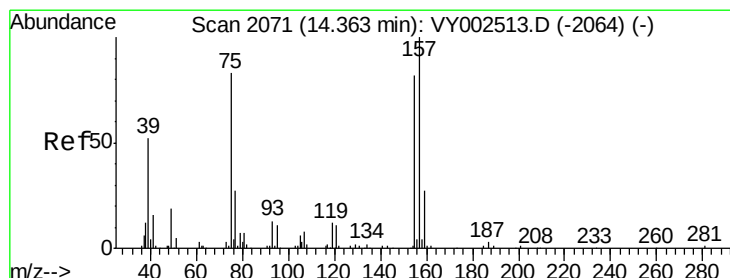
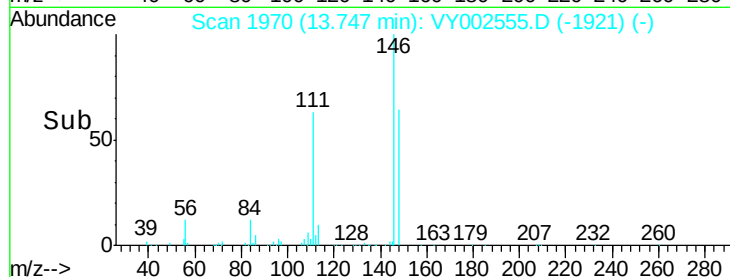
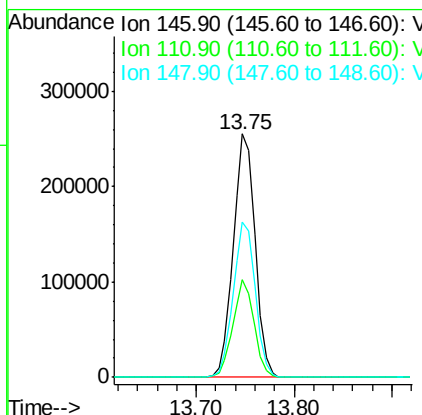
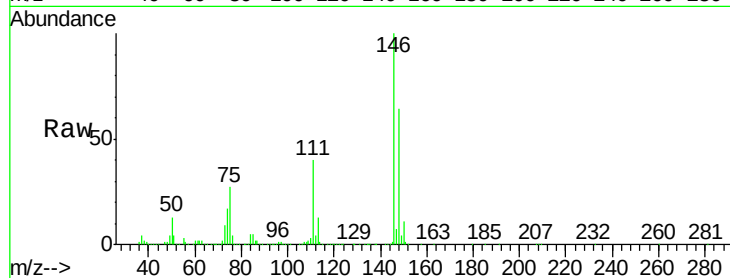
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	394730
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.5
148	64.3	31.9	95.7

Manual Integrations
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5/5/2020 11:29:14 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.473 ug/l

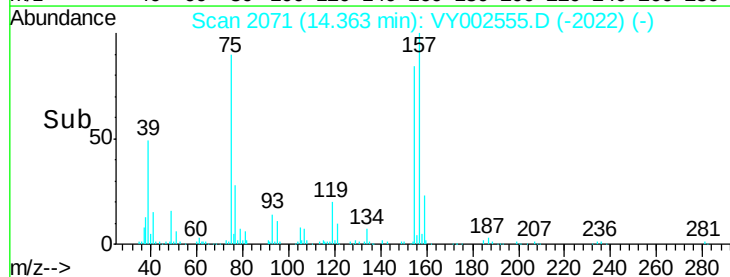
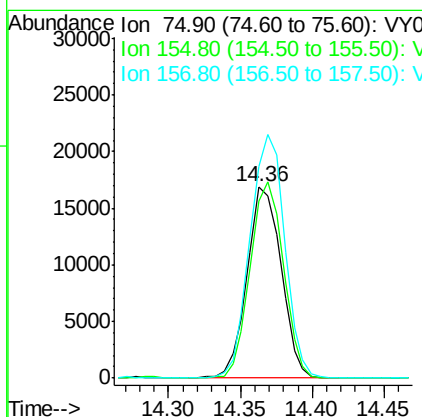
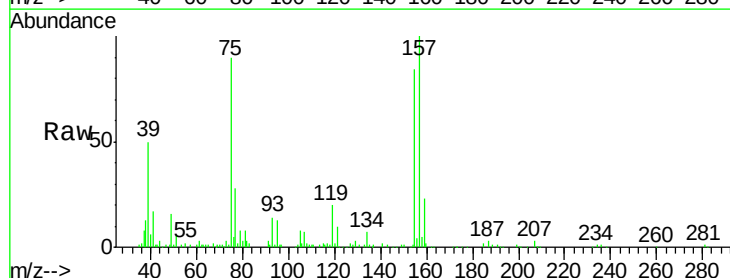
RT: 14.36 min Scan# 2071

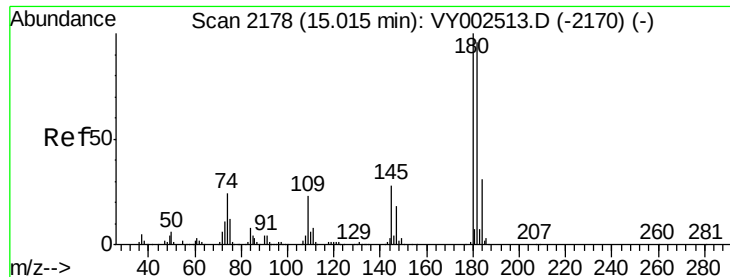
Delta R.T. -0.00 min

Lab File: VY002555.D

Acq: 04 May 2020 21:33

Tgt Ion:	75	Resp:	27601
Ion Ratio	Lower	Upper	
75	100		
155	100.8	51.3	153.9
157	129.9	65.0	195.0





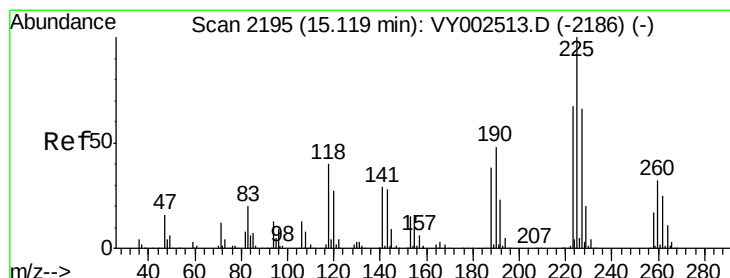
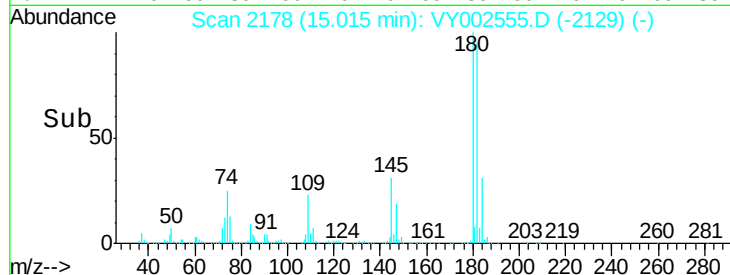
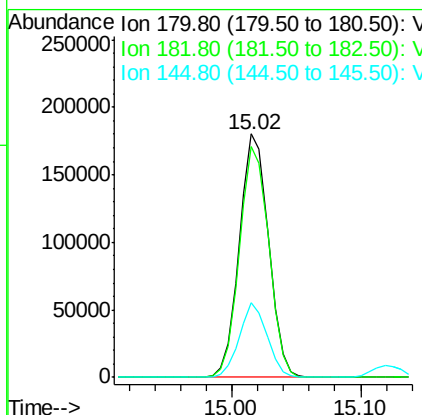
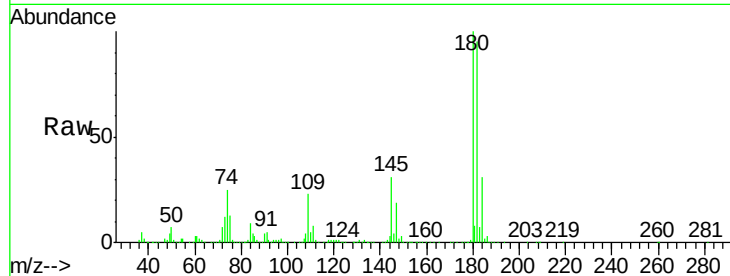
#93
1,2,4-Trichlorobenzene
Concen: 51.720 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281110		
182	95.5	47.9	143.6	
145	29.3	14.4	43.0	

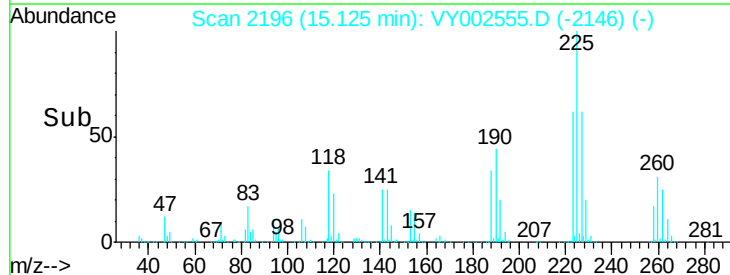
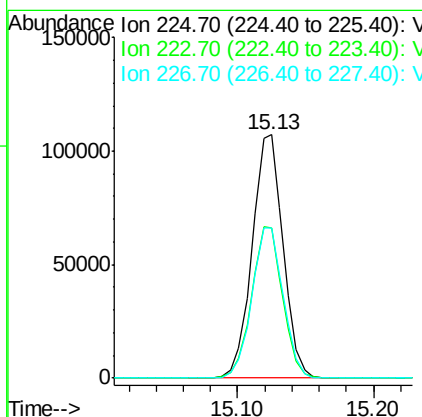
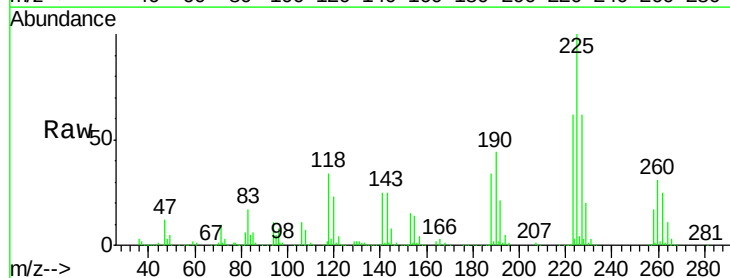
Manual Integrations
APPROVED

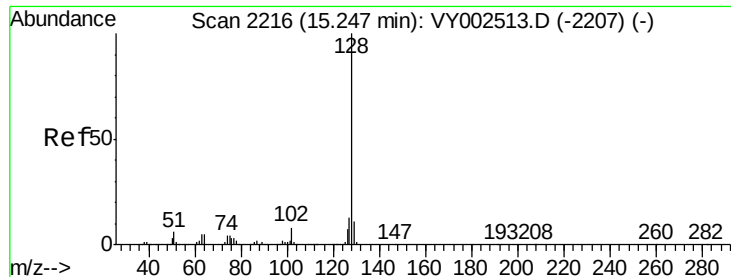
MMDadoda
5/5/2020 11:29:14 AM



#94
Hexachlorobutadiene
Concen: 52.290 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170597		
223	62.1	32.1	96.5	
227	62.6	32.0	96.2	





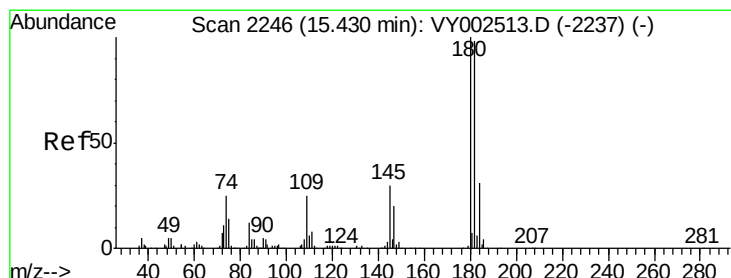
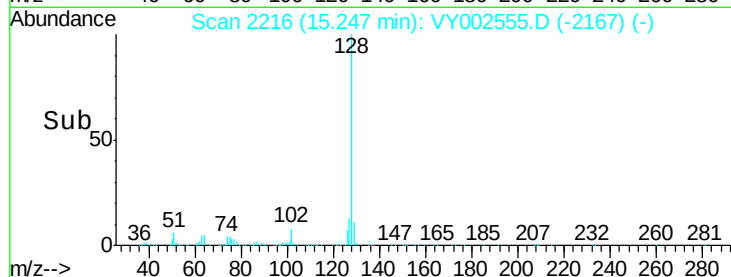
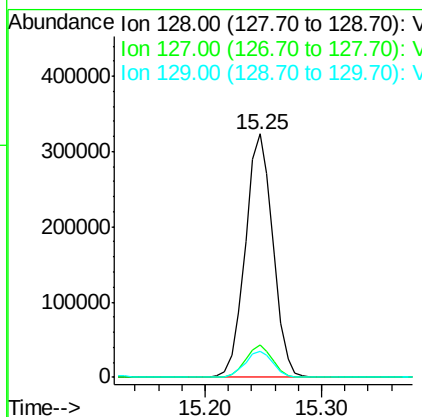
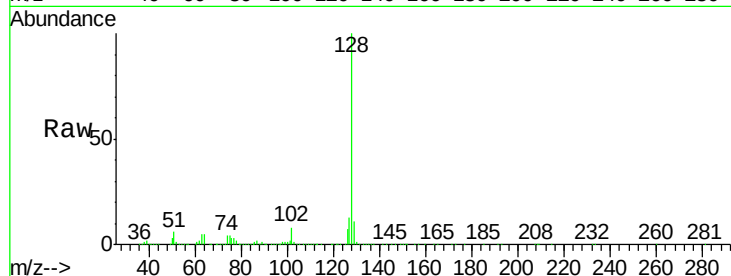
#95
Naphthalene
Concen: 53.745 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	532890		
127	13.0		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.295 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002555.D
Acq: 04 May 2020 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	241297		
182	96.0		47.9	143.8
145	31.3		15.0	45.1

