

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003024.D
 Acq On : 29 Jun 2020 22:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:55:23 PM

Quant Time: Jun 30 07:44:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	580449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	872990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	795021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	419490	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	286432	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.72	113	272308	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.18	98	980543	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.48	95	355984	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	204766	46.581	ug/l	98
3) Chloromethane	2.12	50	282268	43.849	ug/l	97
4) Vinyl Chloride	2.26	62	311096	49.544	ug/l	97
5) Bromomethane	2.65	94	226733	53.182	ug/l	100
6) Chloroethane	2.80	64	206181	51.616	ug/l	98
7) Trichlorofluoromethane	3.13	101	434130	48.985	ug/l	97
8) Diethyl Ether	3.54	74	155203	51.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	261254	49.370	ug/l	98
10) Methyl Iodide	4.10	142	348261	53.074	ug/l	99
11) Tert butyl alcohol	4.97	59	146794	249.852	ug/l	99
12) 1,1-Dichloroethene	3.88	96	249112	49.476	ug/l	91
13) Acrolein	3.74	56	103895	196.890	ug/l	97
14) Allyl chloride	4.49	41	403256	45.872	ug/l	97
15) Acrylonitrile	5.18	53	388619	248.183	ug/l	100
16) Acetone	3.96	43	302442	222.438	ug/l	98
17) Carbon Disulfide	4.20	76	771499	47.958	ug/l	99
18) Methyl Acetate	4.49	43	174842	47.730	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	783796	53.405	ug/l	99
20) Methylene Chloride	4.72	84	307656	50.821	ug/l	92
21) trans-1,2-Dichloroethene	5.23	96	285447	50.120	ug/l	95
22) Diisopropyl ether	6.13	45	918323	48.740	ug/l	96
23) Vinyl Acetate	6.07	43	3119495	247.641	ug/l	97
24) 1,1-Dichloroethane	6.03	63	512020	49.748	ug/l	100
25) 2-Butanone	6.99	43	534979	247.694	ug/l	98
26) 2,2-Dichloropropane	6.99	77	428354	45.808	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	327038	51.196	ug/l	96
28) Bromochloromethane	7.34	49	227385	49.653	ug/l	90
29) Tetrahydrofuran	7.36	42	362418	252.327	ug/l	95
30) Chloroform	7.52	83	515859	50.592	ug/l	98
31) Cyclohexane	7.78	56	447354	44.120	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	465328	49.996	ug/l	99
36) 1,1-Dichloropropene	7.93	75	398226	47.357	ug/l	98
37) Ethyl Acetate	7.08	43	250155	49.477	ug/l	98
38) Carbon Tetrachloride	7.91	117	422267	48.264	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003024.D
 Acq On : 29 Jun 2020 22:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:55:23 PM

Quant Time: Jun 30 07:44:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	488745	46.878	ug/l	99
40) Benzene	8.16	78	1134176	49.266	ug/l	100
41) Methacrylonitrile	7.33	41	150396m	55.686	ug/l	
42) 1,2-Dichloroethane	8.24	62	359788	49.401	ug/l	100
43) Isopropyl Acetate	8.28	43	478656	49.800	ug/l	97
44) Trichloroethene	8.94	130	339612	50.754	ug/l	100
45) 1,2-Dichloropropane	9.22	63	296646	47.895	ug/l	98
46) Dibromomethane	9.31	93	177640	51.352	ug/l	98
47) Bromodichloromethane	9.50	83	428799	50.623	ug/l	99
48) Methyl methacrylate	9.30	41	216733	49.540	ug/l	95
49) 1,4-Dioxane	9.31	88	49073	1162.122	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	1247832	251.183	ug/l	98
52) Toluene	10.24	92	709303	48.944	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	443702	49.963	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	497414	48.975	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	250278	52.066	ug/l	99
56) Ethyl methacrylate	10.51	69	373008	53.606	ug/l	97
57) 1,3-Dichloropropane	10.79	76	431759	51.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	885124	248.023	ug/l	97
59) 2-Hexanone	10.83	43	885623	255.052	ug/l	98
60) Dibromochloromethane	10.99	129	318311	51.744	ug/l	100
61) 1,2-Dibromoethane	11.09	107	248338	52.403	ug/l	99
64) Tetrachloroethene	10.72	164	349095	51.882	ug/l	98
65) Chlorobenzene	11.52	112	794324	50.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	316442	51.703	ug/l	100
67) Ethyl Benzene	11.59	91	1417529	49.428	ug/l	98
68) m/p-Xylenes	11.70	106	1056211	98.955	ug/l	100
69) o-Xylene	12.03	106	506516	50.359	ug/l	98
70) Styrene	12.04	104	885521	51.534	ug/l	99
71) Bromoform	12.20	173	219469	53.777	ug/l	99
73) Isopropylbenzene	12.33	105	1365324	49.732	ug/l	99
74) N-amyl acetate	12.14	43	454534	50.857	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	288410	52.057	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	221341m	53.314	ug/l	
77) Bromobenzene	12.61	156	362679	51.523	ug/l	98
78) n-propylbenzene	12.67	91	1610797	48.787	ug/l	100
79) 2-Chlorotoluene	12.75	91	986528	53.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1150274	49.930	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	110275	51.678	ug/l	95
82) 4-Chlorotoluene	12.85	91	1011310	52.706	ug/l	100
83) tert-Butylbenzene	13.08	119	1011067	49.981	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1158208	49.892	ug/l	99
85) sec-Butylbenzene	13.25	105	1373682	49.267	ug/l	100
86) p-Isopropyltoluene	13.37	119	1278506	49.485	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	661741	50.354	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	657639	50.748	ug/l	100
89) n-Butylbenzene	13.69	91	1163154	47.054	ug/l	99
90) Hexachloroethane	13.96	117	258388	50.365	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	605362	51.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	53801	54.856	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
Data File : VY003024.D
Acq On : 29 Jun 2020 22:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

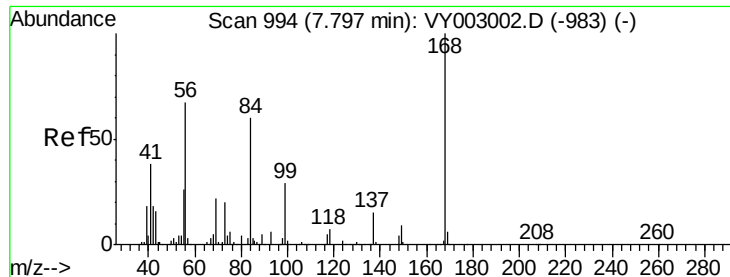
Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM

Quant Time: Jun 30 07:44:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	448115	51.146	ug/l	98
94) Hexachlorobutadiene	15.11	225	276838	50.093	ug/l	98
95) Naphthalene	15.23	128	887218	55.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	397694	52.274	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 580449

Ion Ratio Lower Upper

168 100

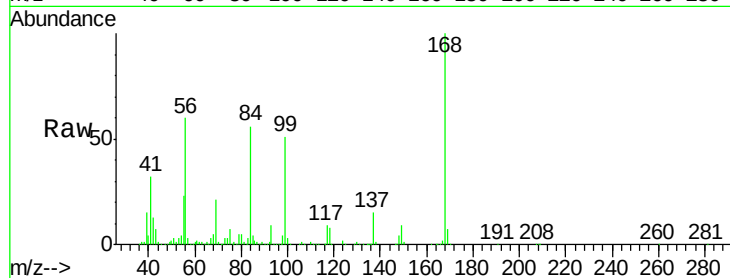
99 51.4 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

250000

200000

150000

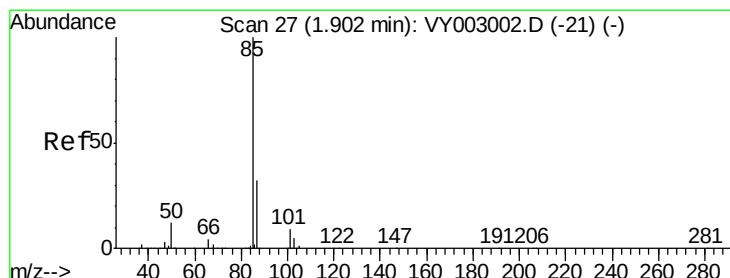
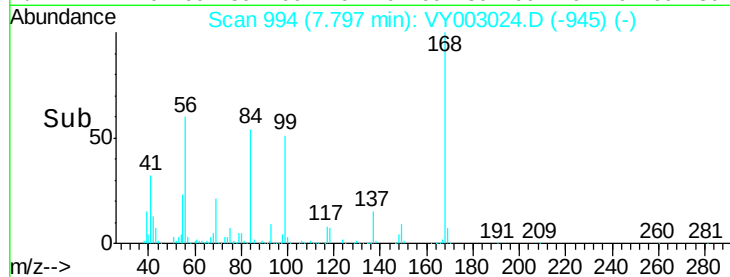
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.581 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003024.D

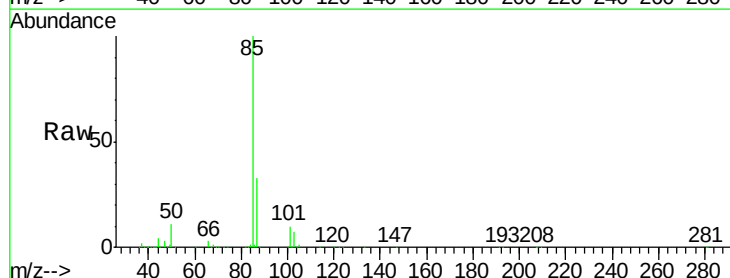
Acq: 29 Jun 2020 22:20

Tgt Ion: 85 Resp: 204766

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

150000

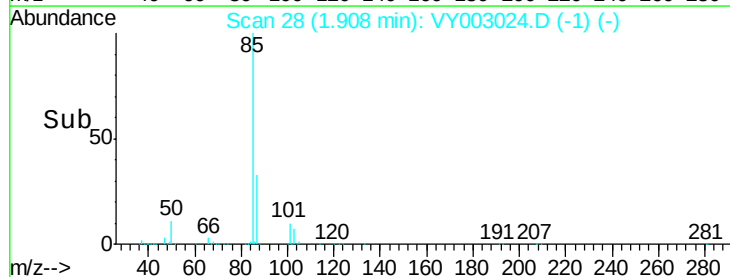
100000

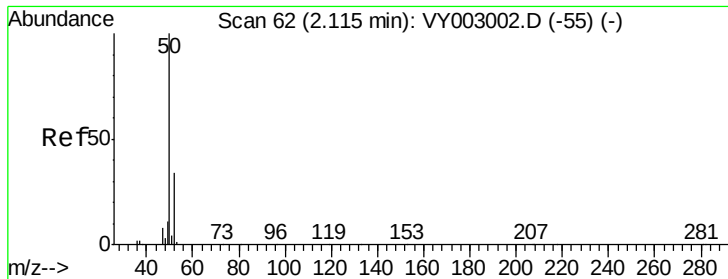
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.849 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 282268

Ion Ratio Lower Upper

50 100

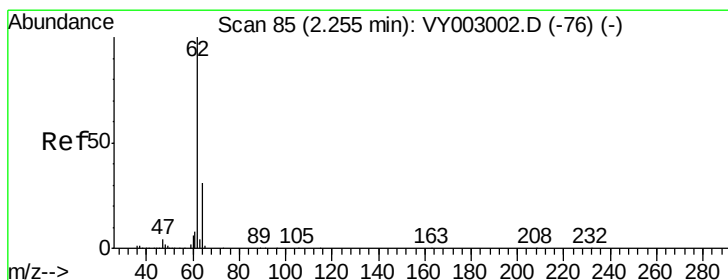
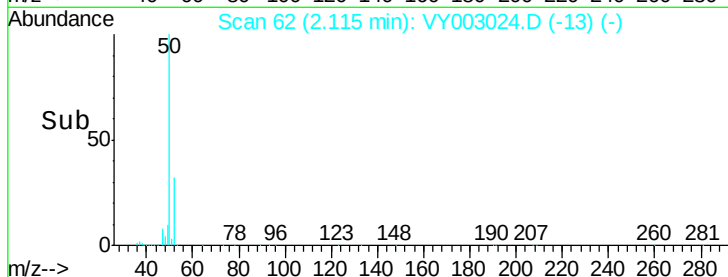
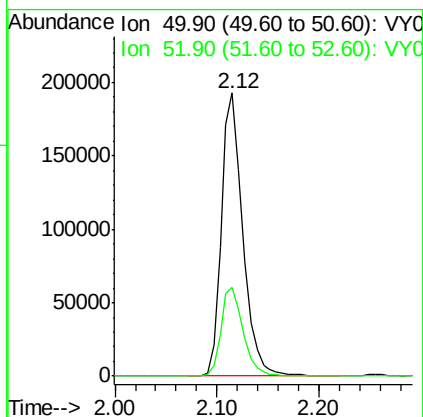
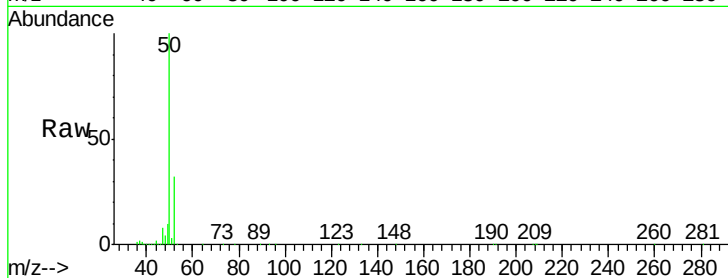
52 31.6 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM



#4

Vinyl Chloride

Concen: 49.544 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003024.D

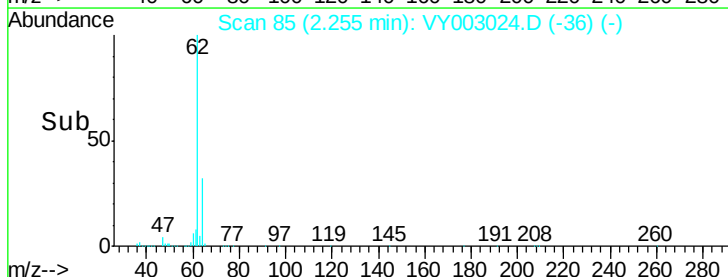
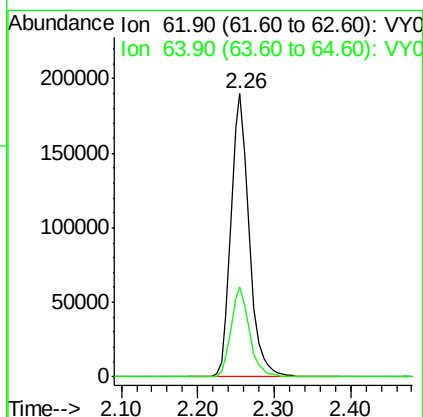
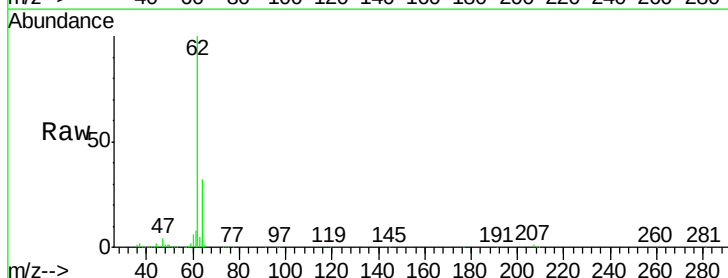
Acq: 29 Jun 2020 22:20

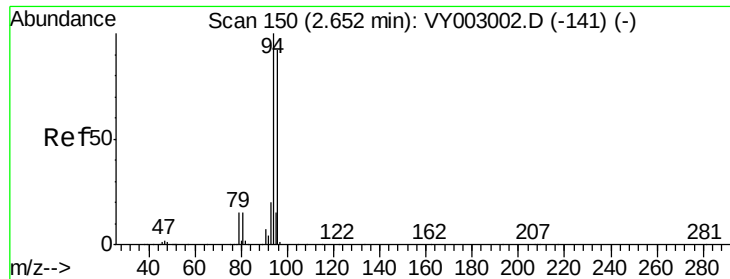
Tgt Ion: 62 Resp: 311096

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 53.182 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 226733

Ion Ratio Lower Upper

94 100

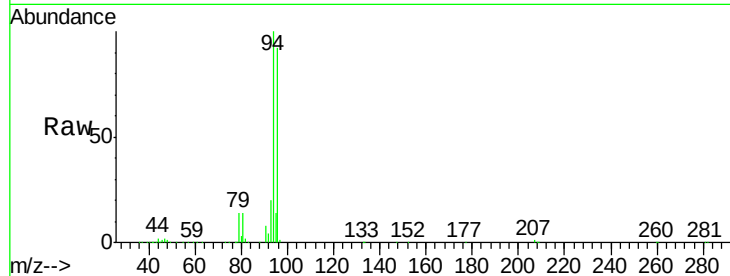
96 91.8 73.4 110.2

Manual Integrations

APPROVED

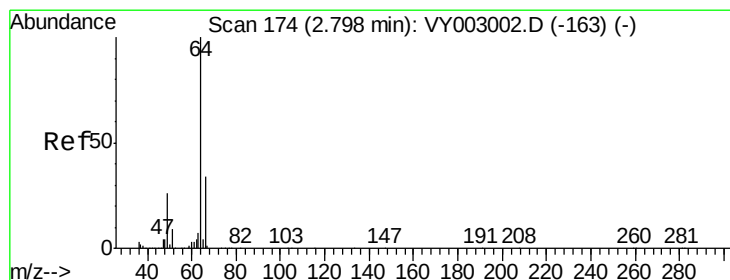
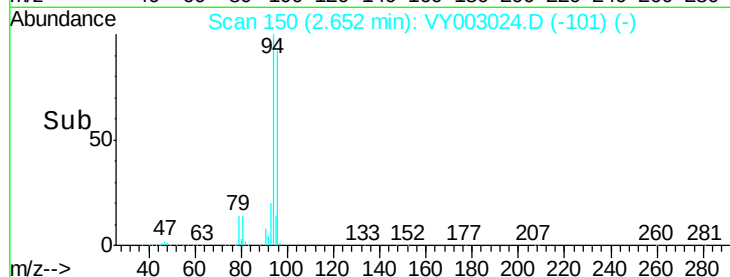
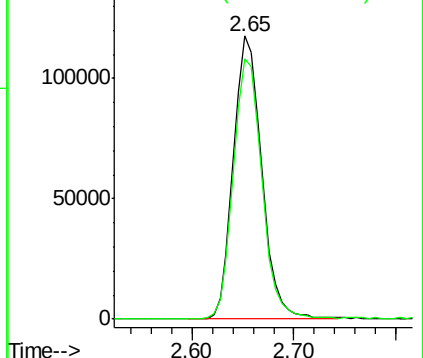
MMDadoda

6/30/2020 12:55:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.616 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003024.D

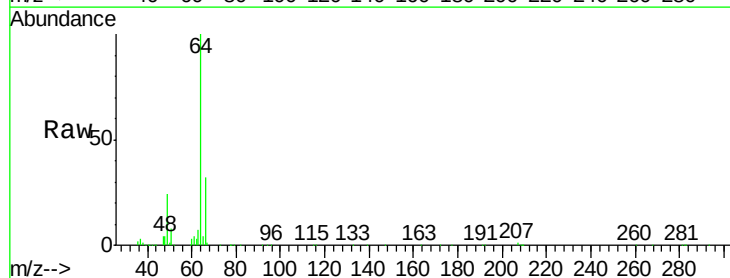
Acq: 29 Jun 2020 22:20

Tgt Ion: 64 Resp: 206181

Ion Ratio Lower Upper

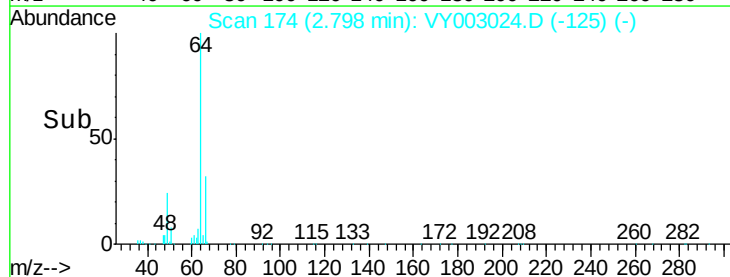
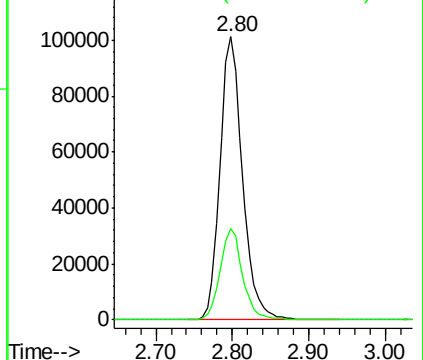
64 100

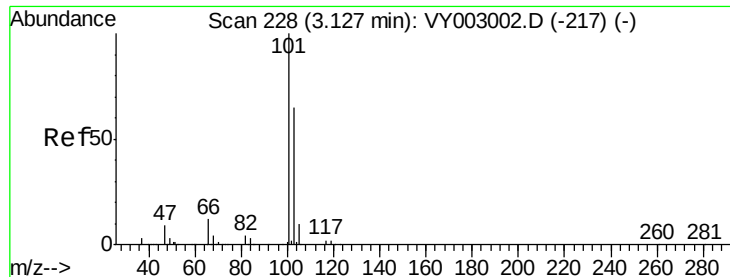
66 32.3 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

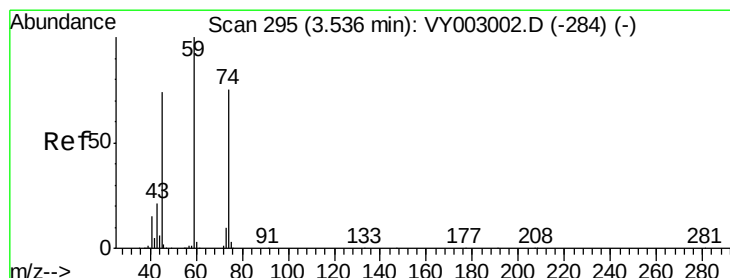
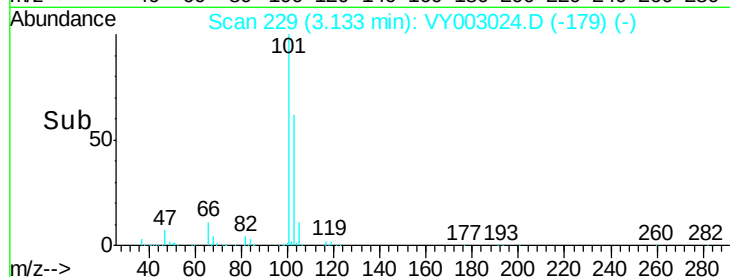
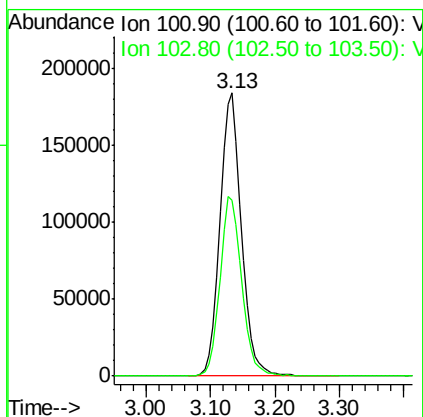
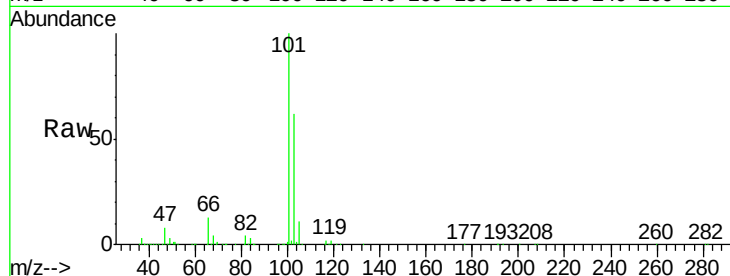
Trichlorofluoromethane
Concen: 48.985 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
434130	101	100			
	103	62.2	51.6	77.4	

Manual Integrations
APPROVED

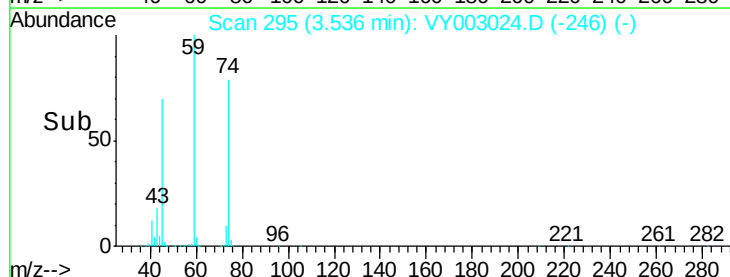
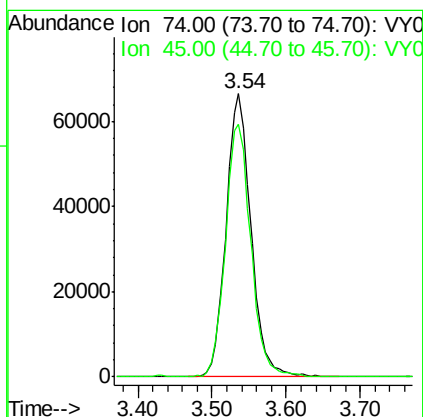
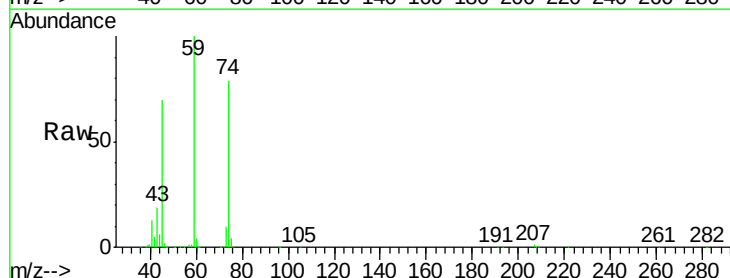
MMDadoda
6/30/2020 12:55:23 PM

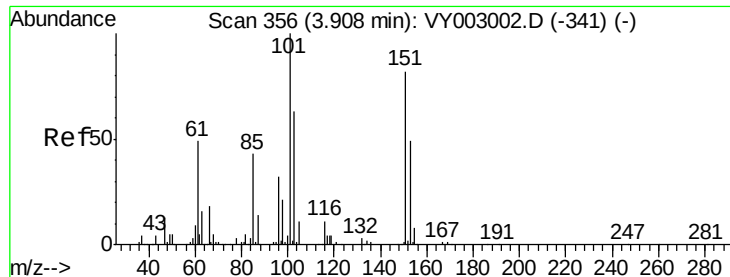


#8

Diethyl Ether
Concen: 51.083 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
155203	74	100			
	45	91.6	49.3	147.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.370 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

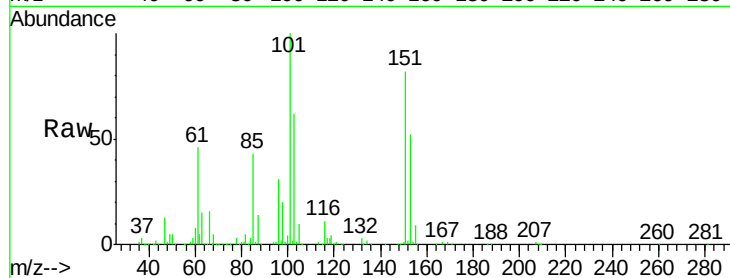
ClientSampleId :

VSTDCCC050EC

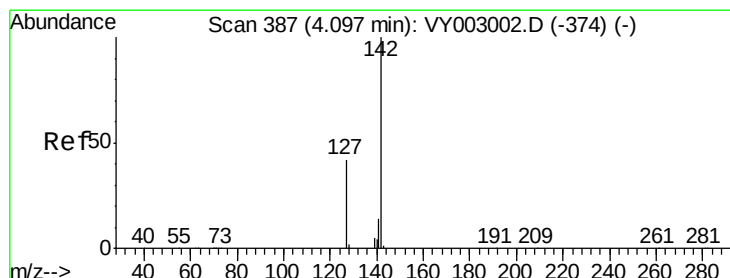
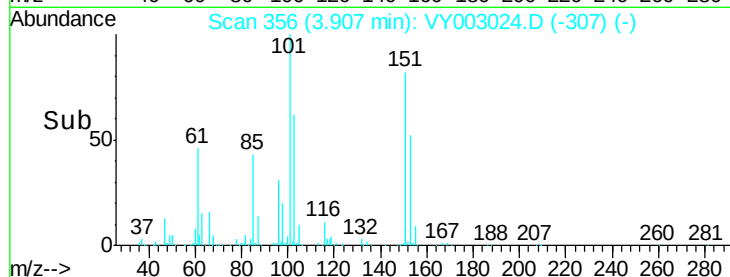
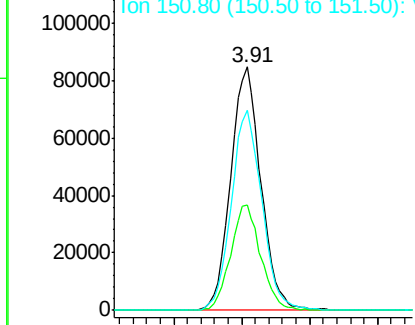
Tot Ion:	101	Resp:	261254
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.5	53.3
151	83.0	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



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



#10

Methyl Iodide

Concen: 53.074 ug/l

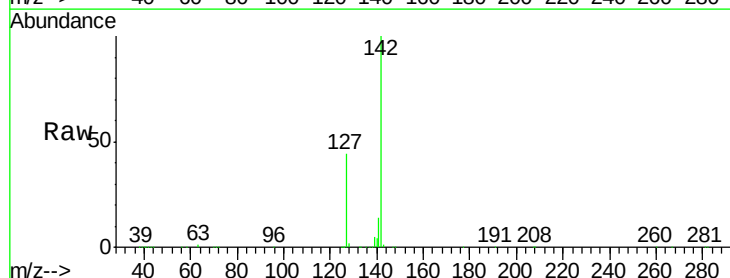
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

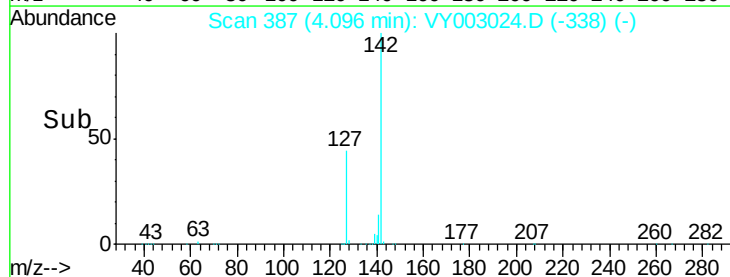
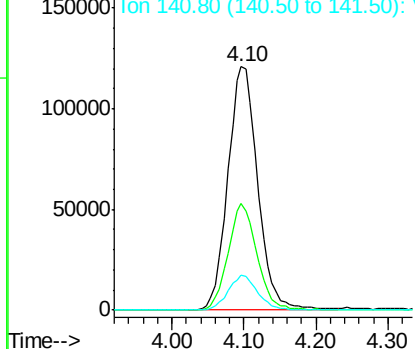
Lab File: VY003024.D

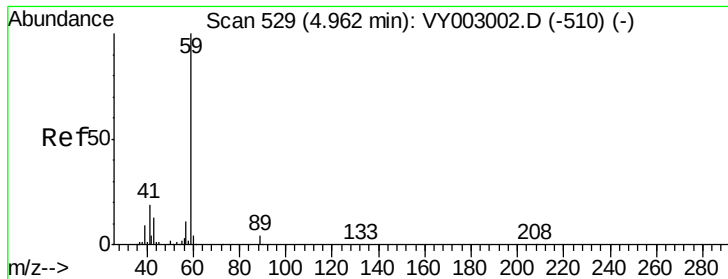
Acq: 29 Jun 2020 22:20

Tgt Ion:	142	Resp:	348261
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.2	51.2
141	14.1	11.7	17.5



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





#11

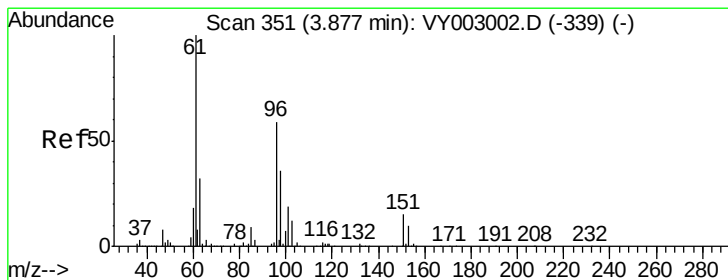
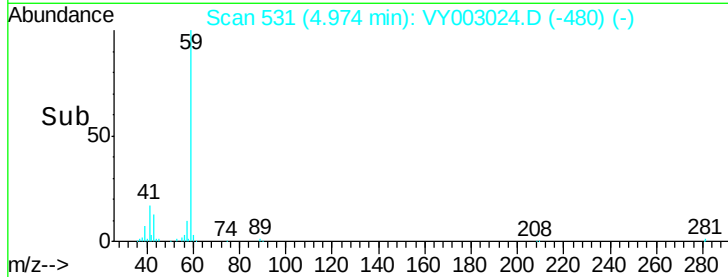
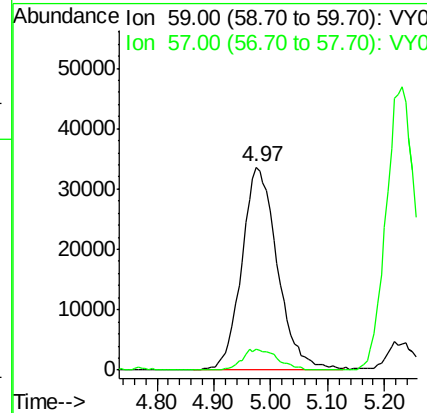
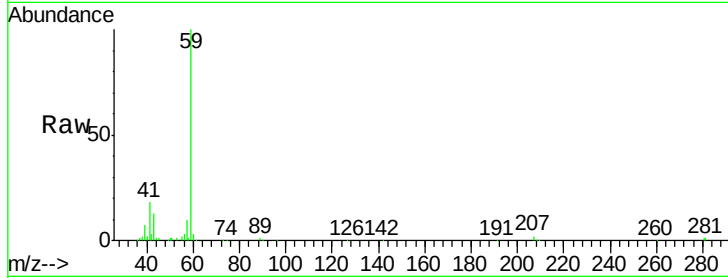
Tert butyl alcohol
 Concen: 249.852 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	146794
Ion Ratio	100	Lower	Upper
57	10.2	8.0	12.0

Manual Integrations
 APPROVED

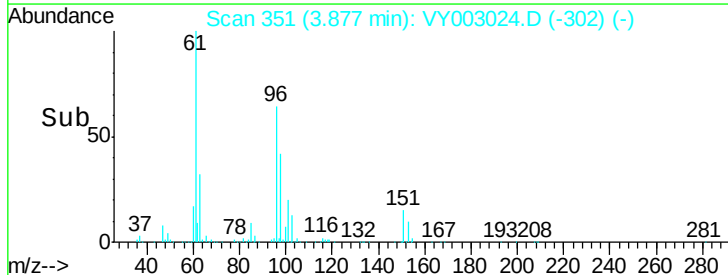
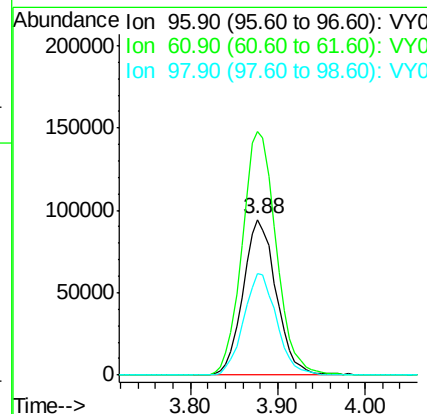
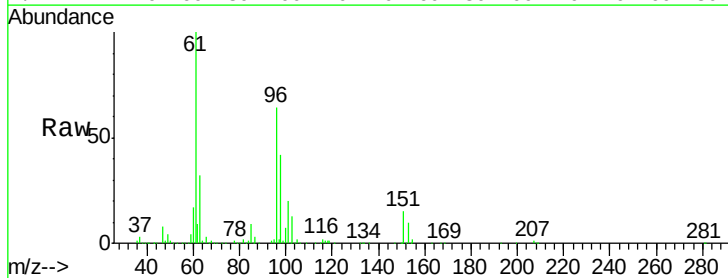
MMDadoda
 6/30/2020 12:55:23 PM

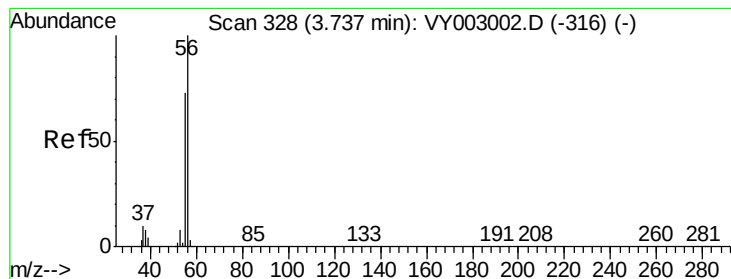


#12

1,1-Dichloroethene
 Concen: 49.476 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	96	Resp	249112
Ion Ratio	100	Lower	Upper
61	156.4	136.7	205.1
98	65.4	49.7	74.5





#13

Acrolein

Concen: 196.890 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 103895

Ion Ratio Lower Upper

56 100

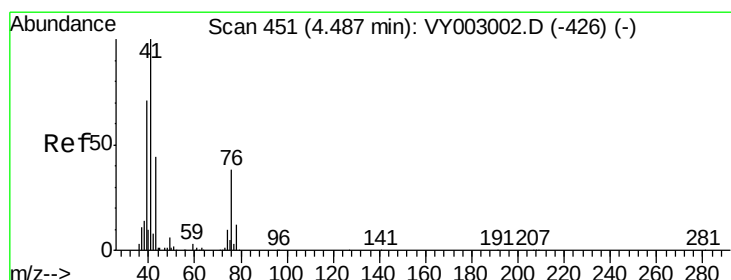
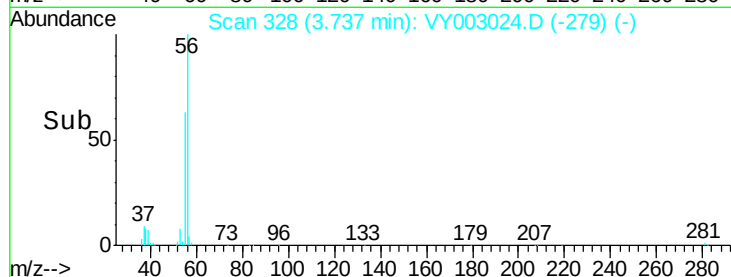
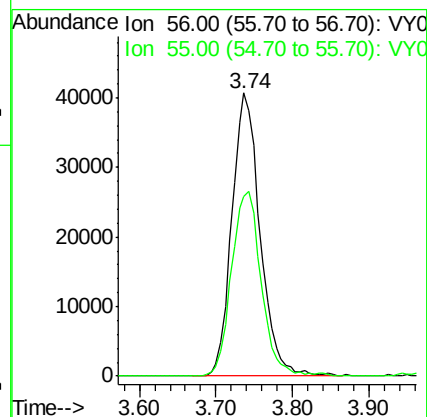
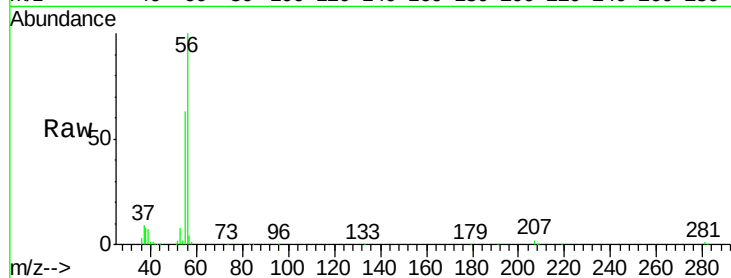
55 68.4 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM



#14

Allyl chloride

Concen: 45.872 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

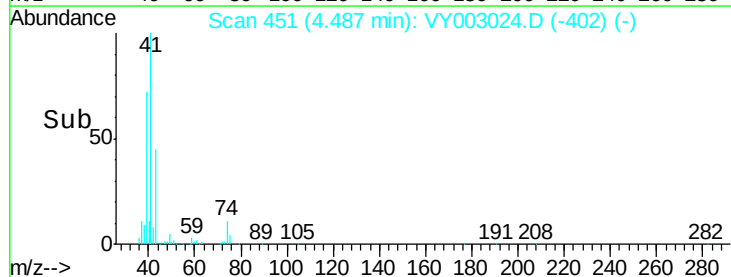
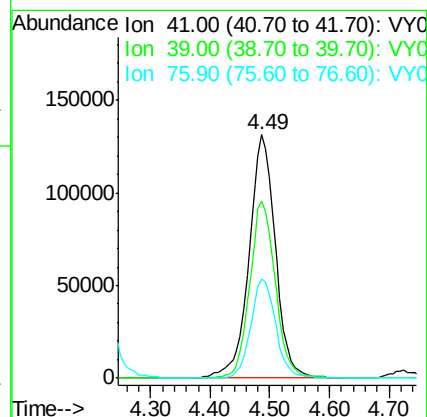
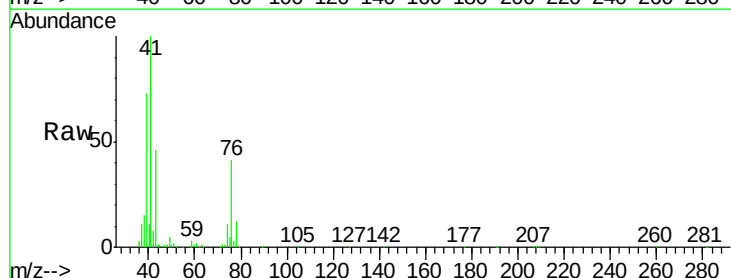
Tgt Ion: 41 Resp: 403256

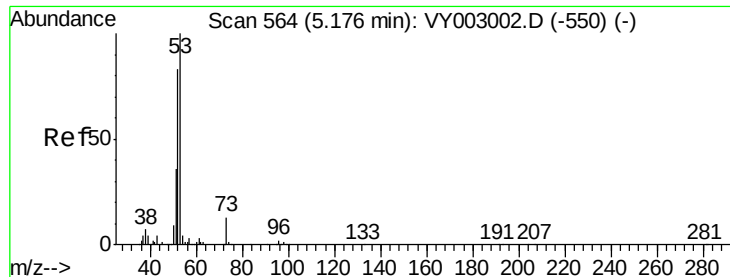
Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

76 38.5 28.6 43.0





#15

Acrylonitrile

Concen: 248.183 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

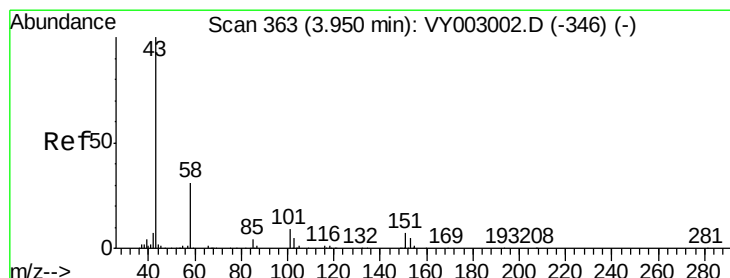
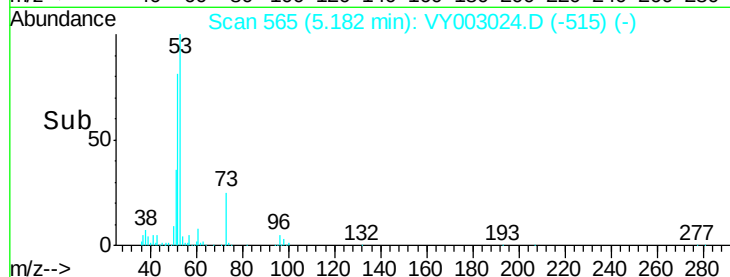
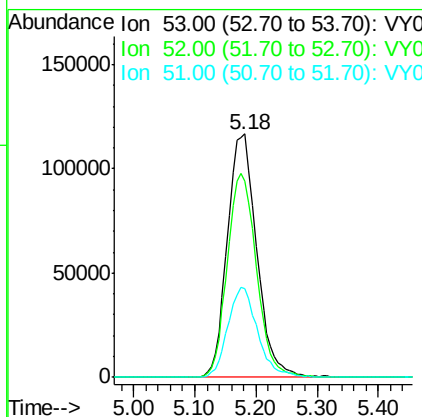
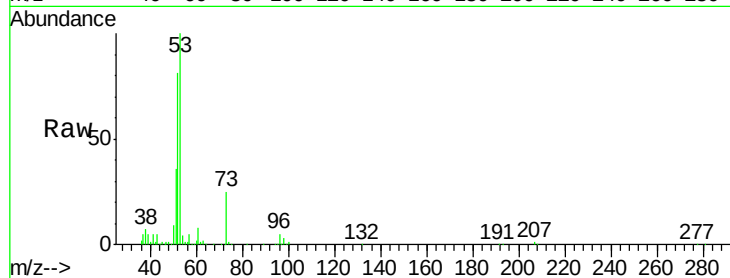
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	388619
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	37.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#16

Acetone

Concen: 222.438 ug/l

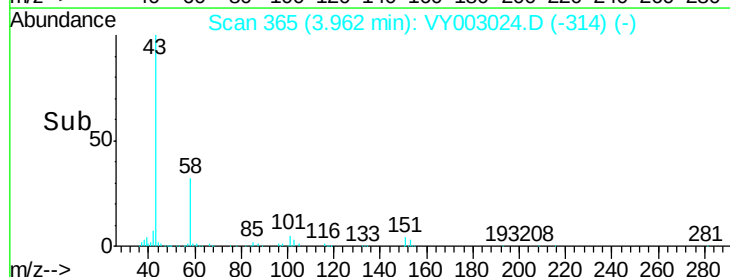
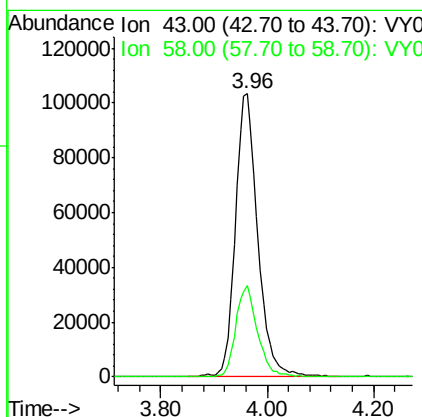
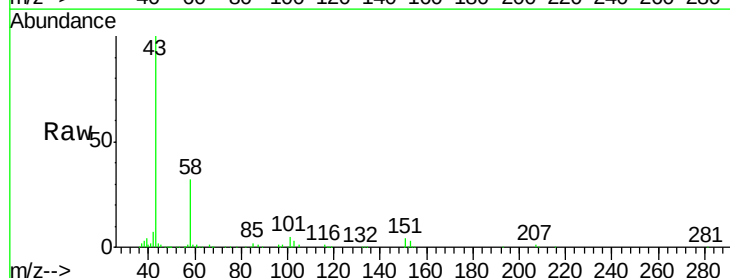
RT: 3.96 min Scan# 365

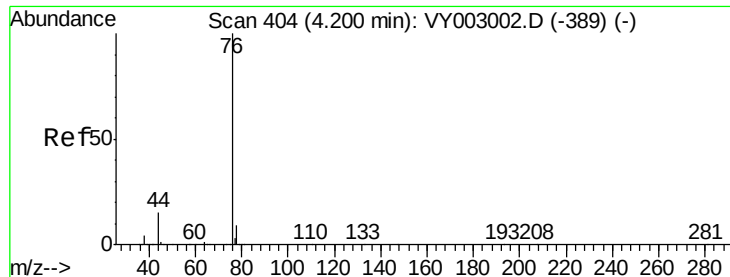
Delta R.T. 0.01 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	43	Resp:	302442
Ion Ratio	Lower	Upper	
43	100		
58	32.1	24.7	37.1





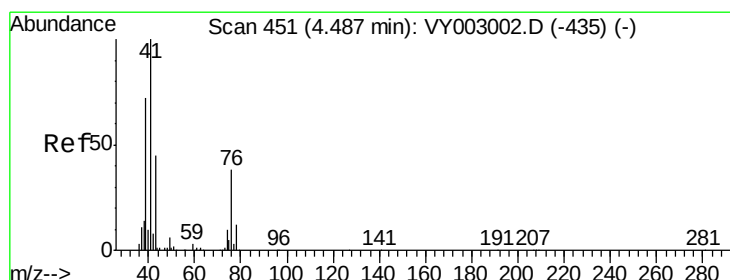
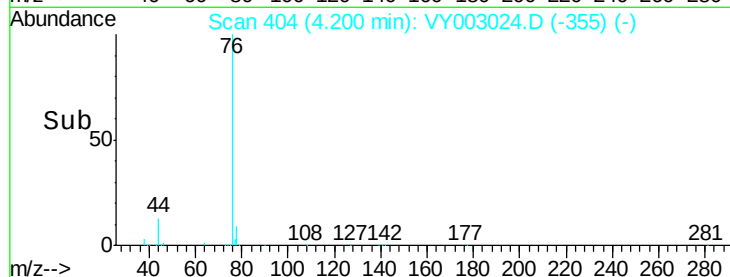
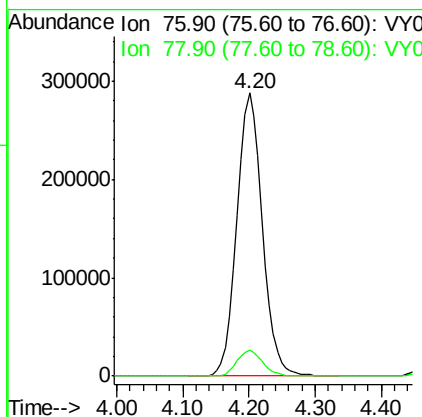
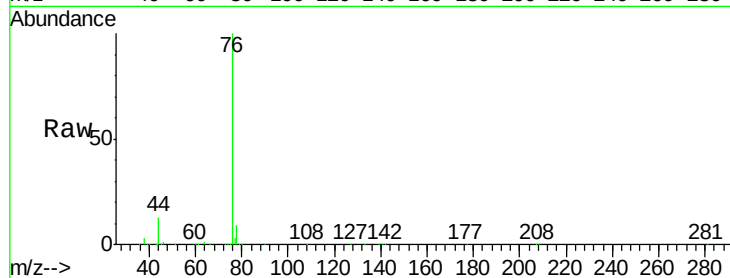
#17
Carbon Disulfide
Concen: 47.958 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

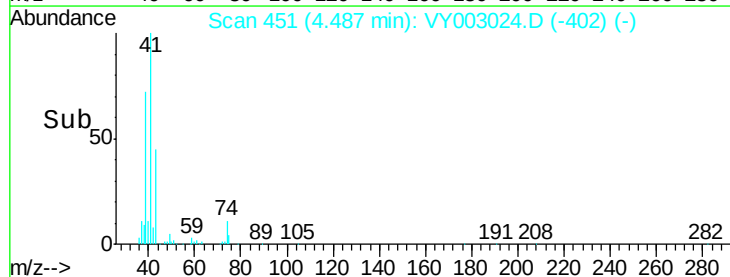
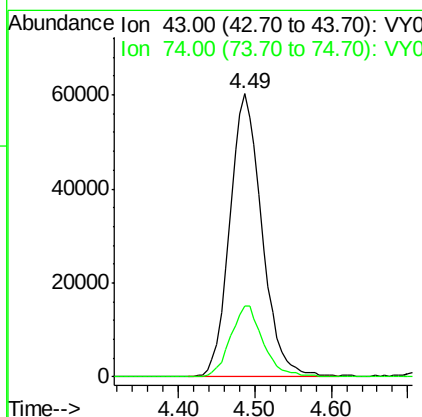
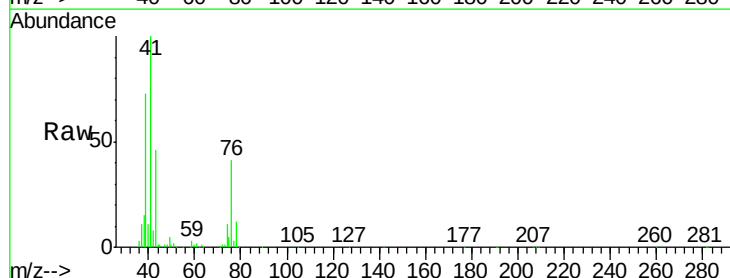
Manual Integrations
APPROVED

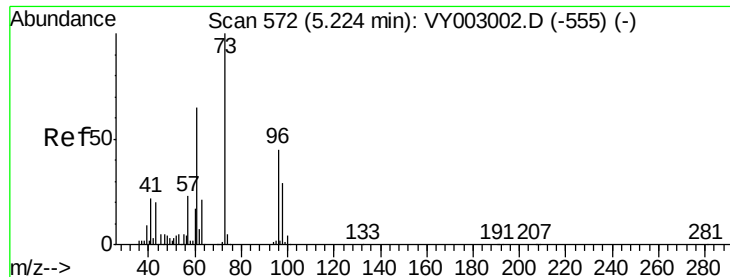
MMDadoda
6/30/2020 12:55:23 PM



#18
Methyl Acetate
Concen: 47.730 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	18.2	27.4





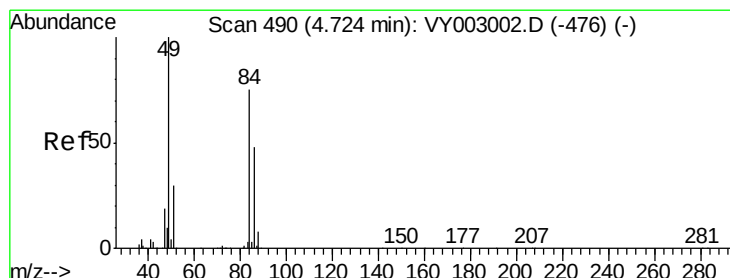
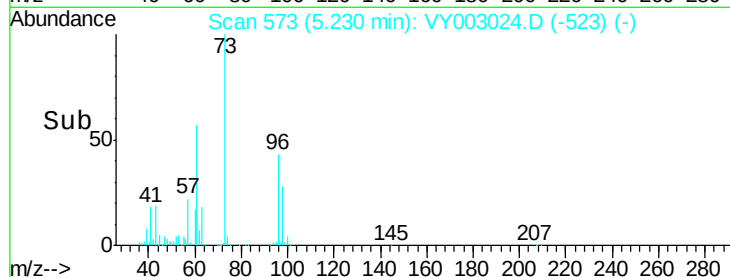
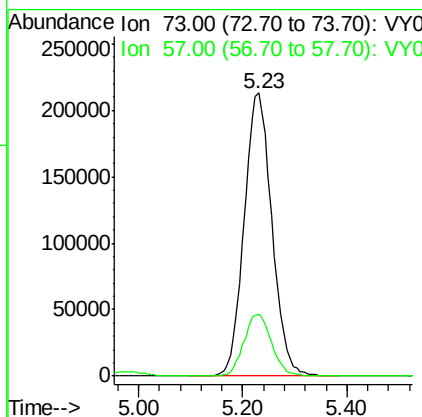
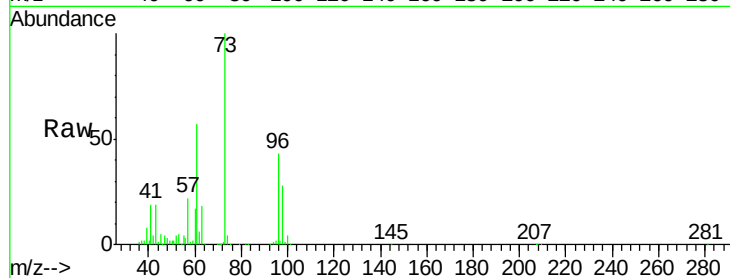
#19
Methyl tert-butyl Ether
Concen: 53.405 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	783796
Ion Ratio	100	Lower	Upper
73	100	18.2	27.2
57	22.0		

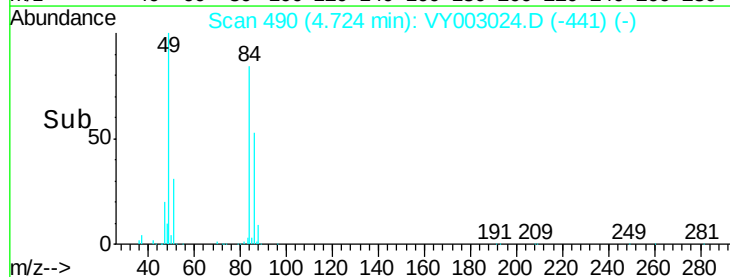
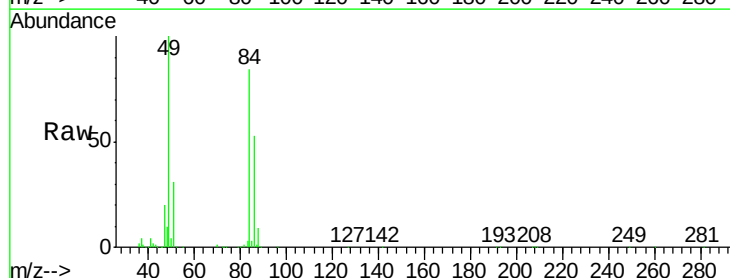
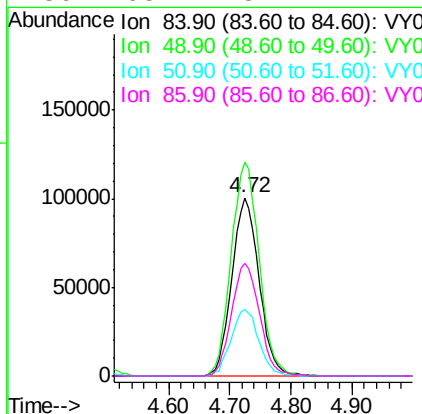
Manual Integrations
APPROVED

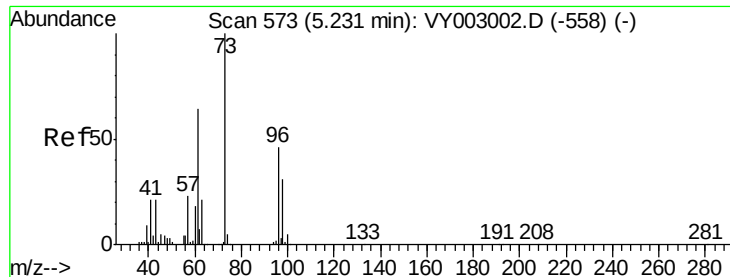
MMDadoda
6/30/2020 12:55:23 PM



#20
Methylene Chloride
Concen: 50.821 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	84	Resp	307656
Ion Ratio	100	Lower	Upper
84	100	106.8	160.2
49	119.7	32.0	48.0
51	37.0		
86	63.1	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 50.120 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

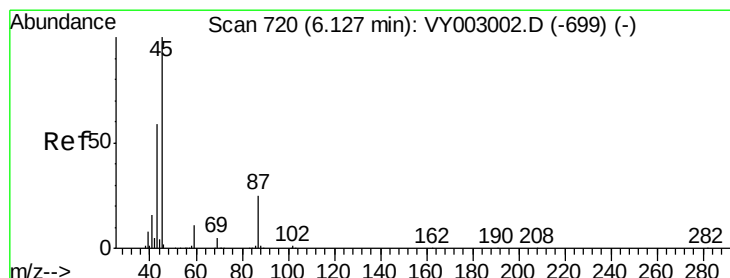
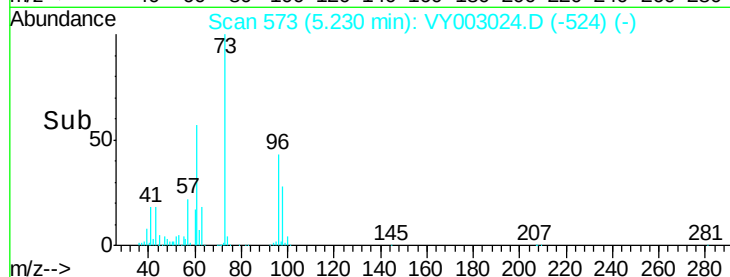
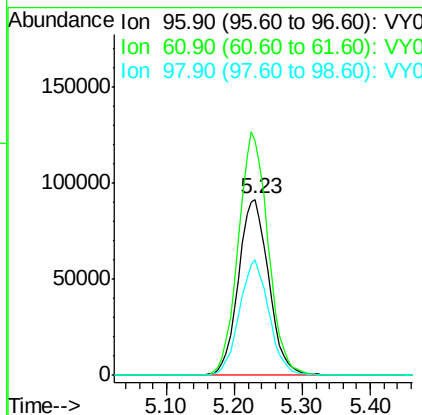
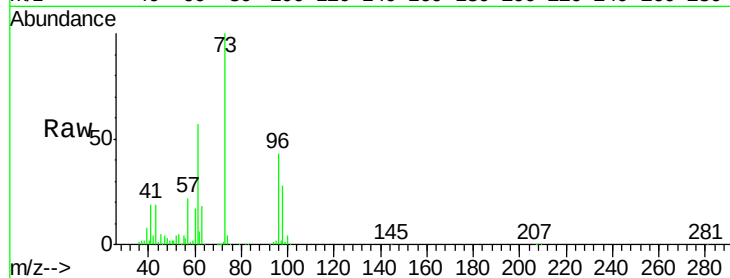
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	285447
Ion	Ratio	Lower	Upper
96	100		
61	133.1	112.3	168.5
98	65.3	53.8	80.8

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#22

Diisopropyl ether

Concen: 48.740 ug/l

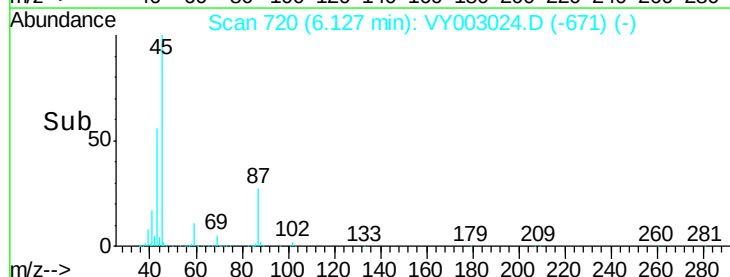
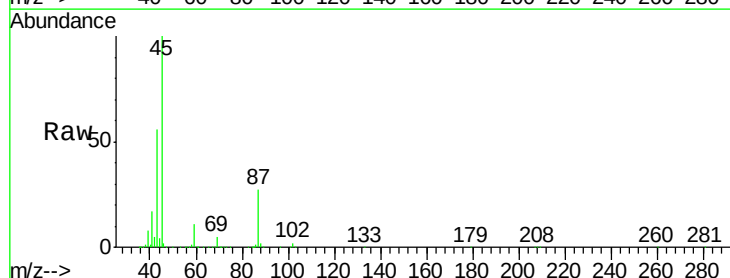
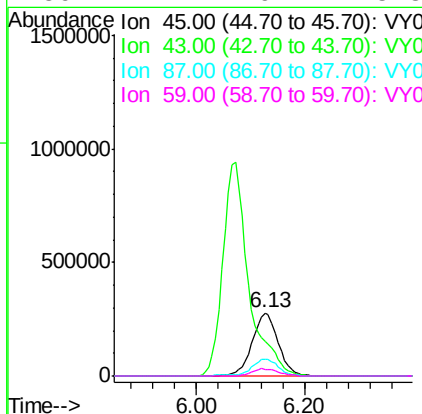
RT: 6.13 min Scan# 720

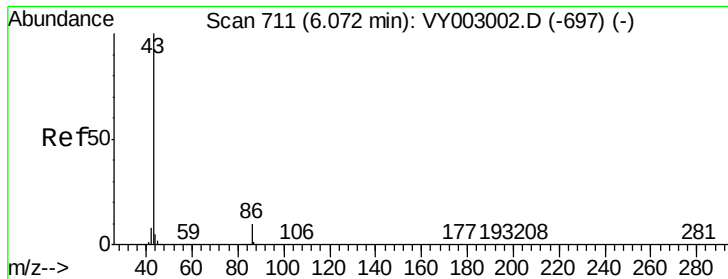
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	45	Resp:	918323
Ion	Ratio	Lower	Upper
45	100		
43	55.9	47.4	71.2
87	26.6	20.2	30.2
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 247.641 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tot Ion: 43 Resp: 3119495

Ion Ratio Lower Upper

43 100

86 11.0 8.1 12.1

Instrument :

MSVOA_Y

ClientSampleId :

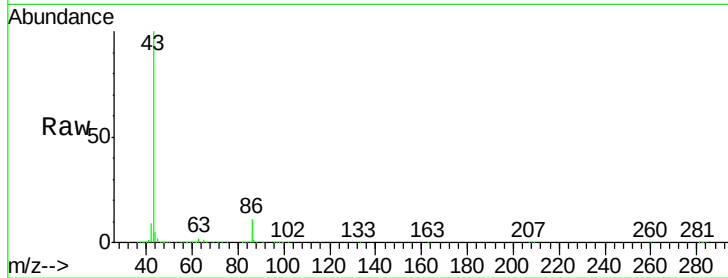
VSTDCCC050EC

Manual Integrations

APPROVED

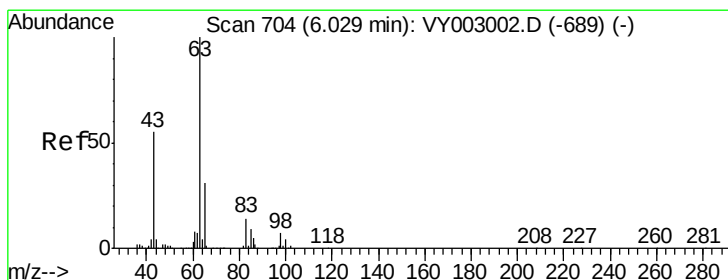
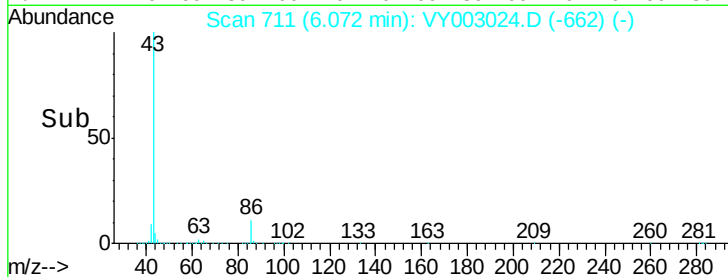
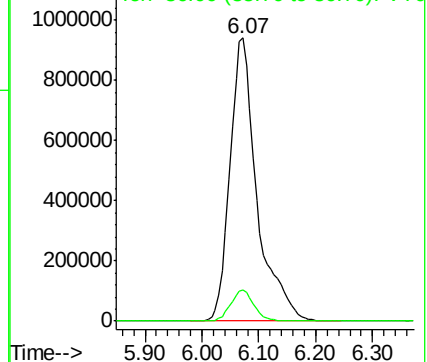
MMDadoda

6/30/2020 12:55:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.748 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

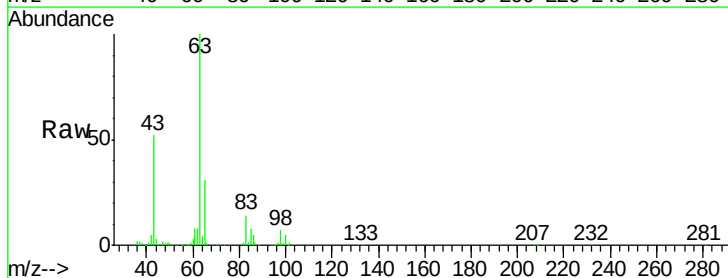
Tgt Ion: 63 Resp: 512020

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

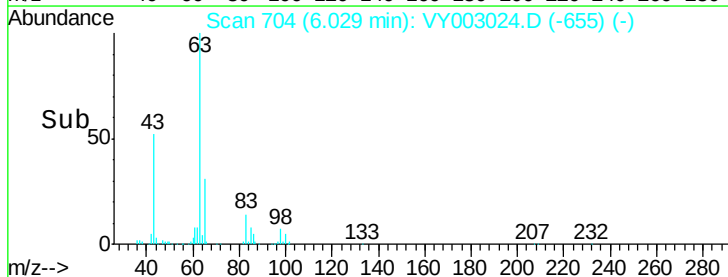
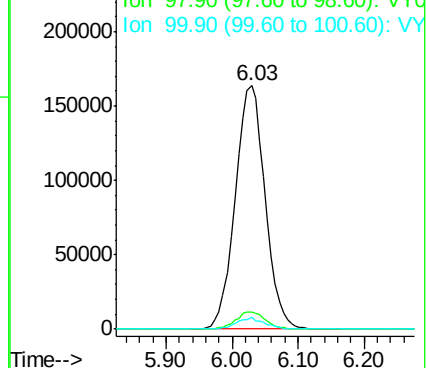
100 4.6 2.3 6.8

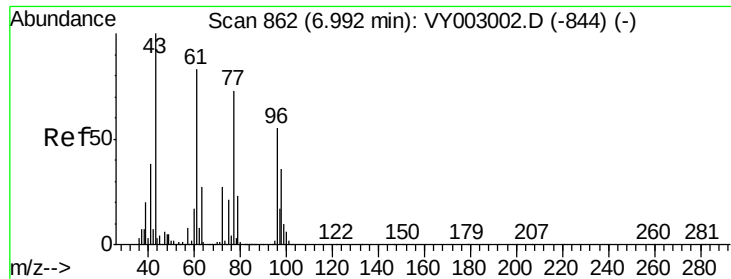


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





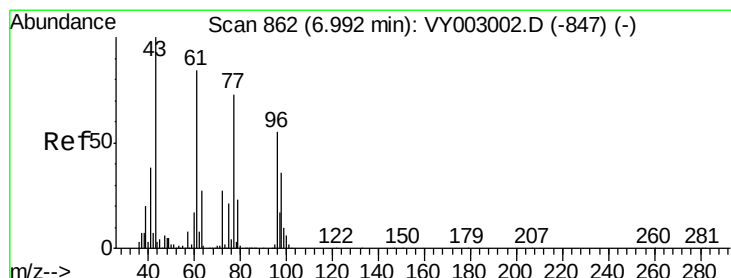
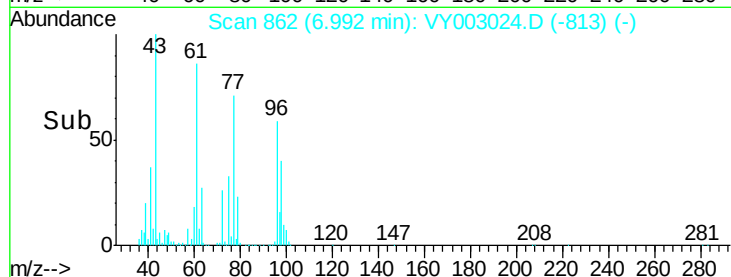
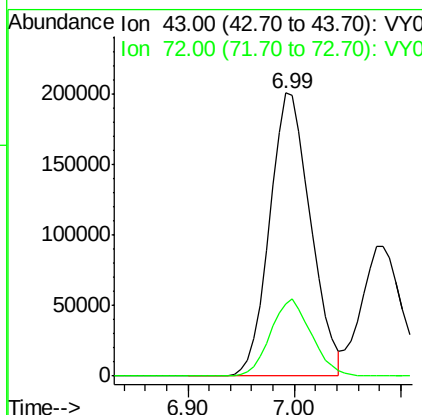
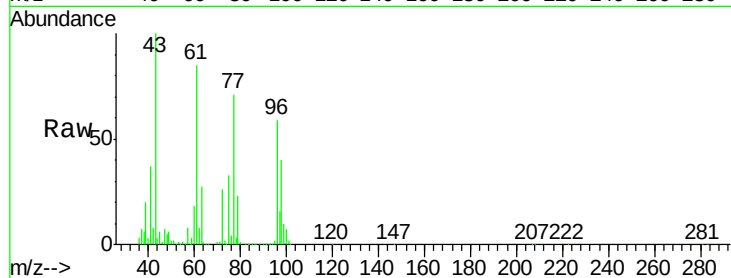
#25
2-Butanone
Concen: 247.694 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 534979
Ion Ratio Lower Upper
43 100
72 25.6 21.4 32.0

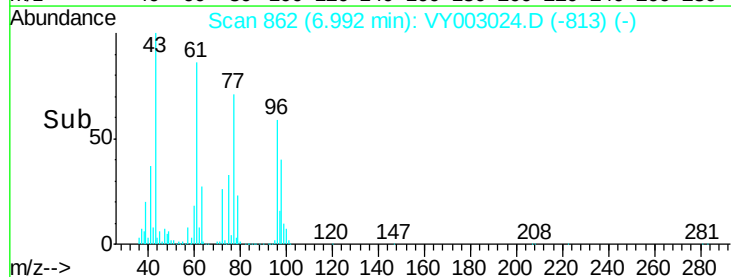
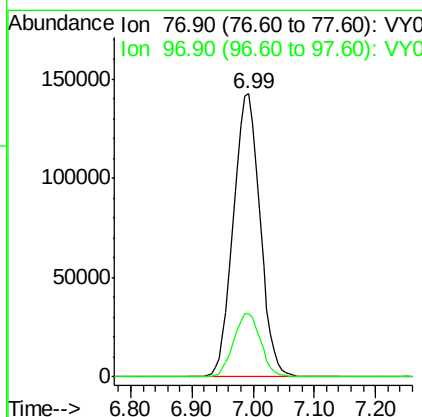
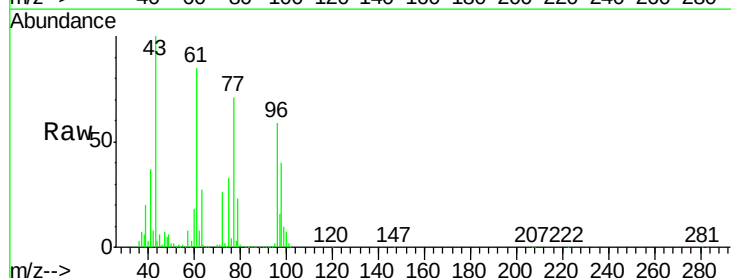
Manual Integrations
APPROVED

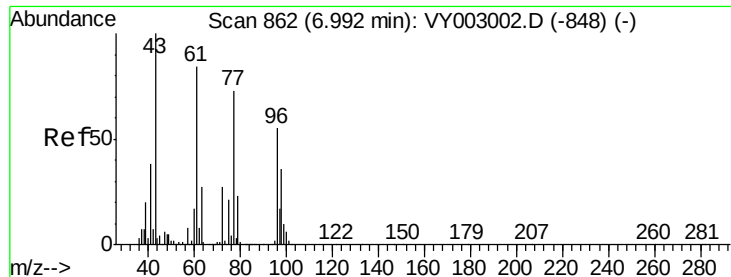
MMDadoda
6/30/2020 12:55:23 PM



#26
2,2-Dichloropropane
Concen: 45.808 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 77 Resp: 428354
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.9





#27

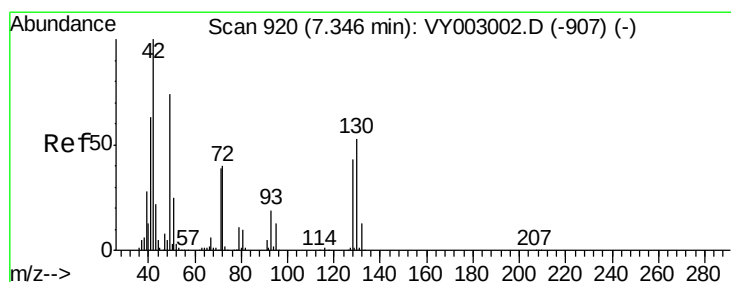
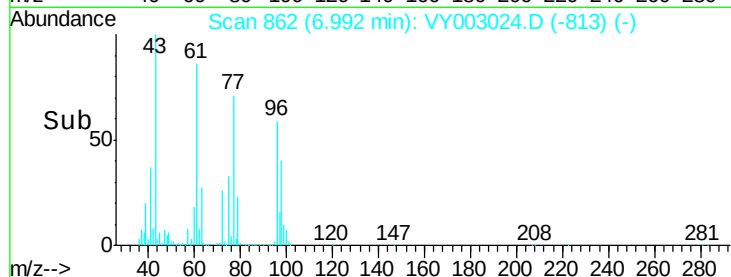
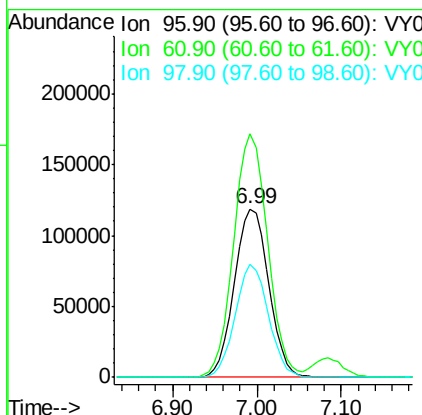
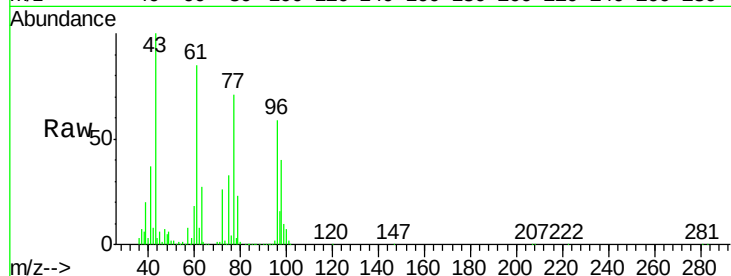
cis-1,2-Dichloroethene
Concen: 51.196 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	327038		
61	143.5	0.0	301.2	
98	64.9	0.0	129.0	

Manual Integrations
APPROVED

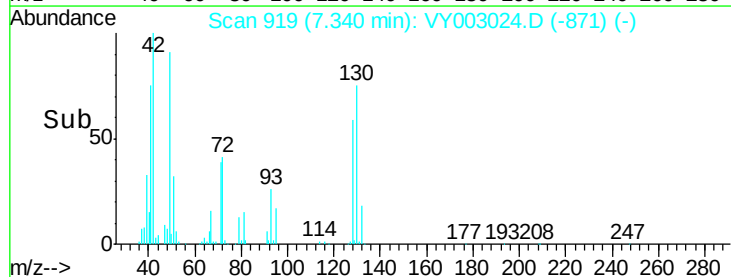
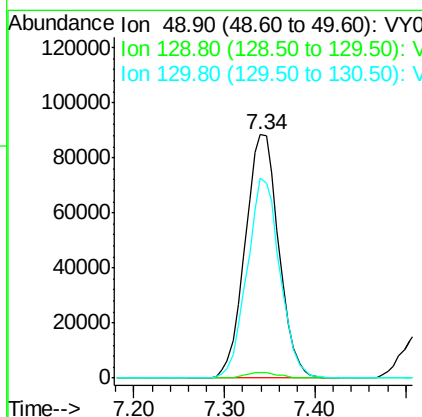
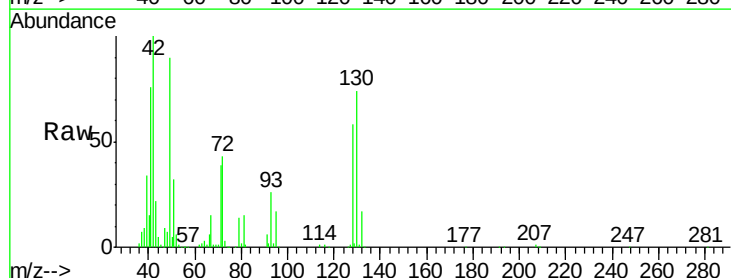
MMDadoda
6/30/2020 12:55:23 PM

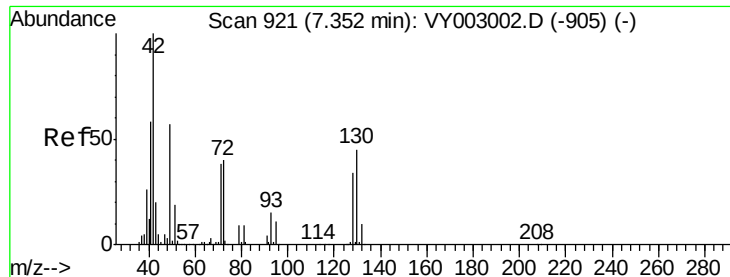


#28

Bromochloromethane
Concen: 49.653 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	227385		
129	2.4	0.0	4.4	
130	79.9	57.0	85.6	





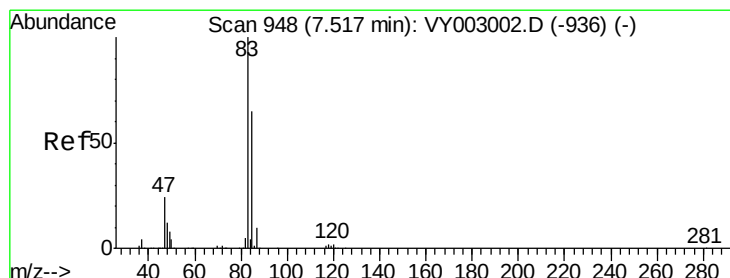
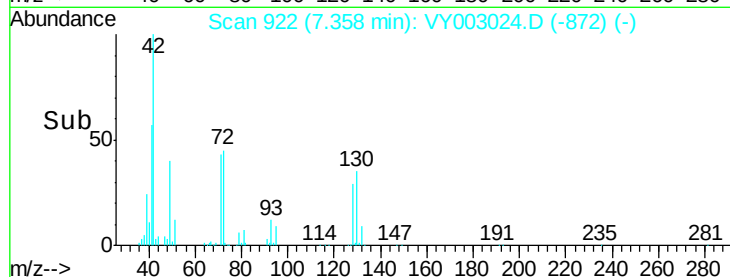
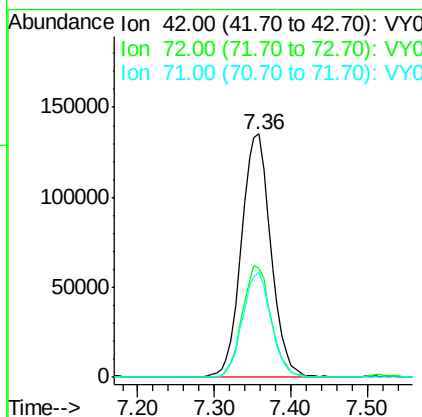
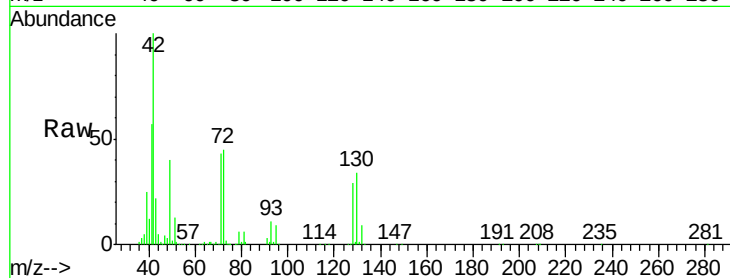
#29
Tetrahydrofuran
Concen: 252.327 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	32.9	49.3
71	41.9	31.2	46.8

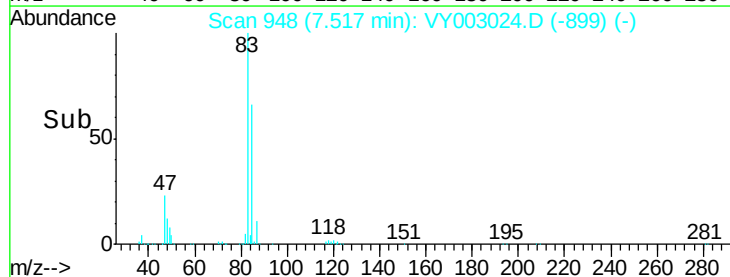
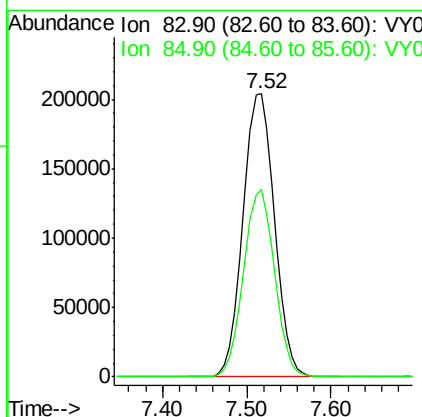
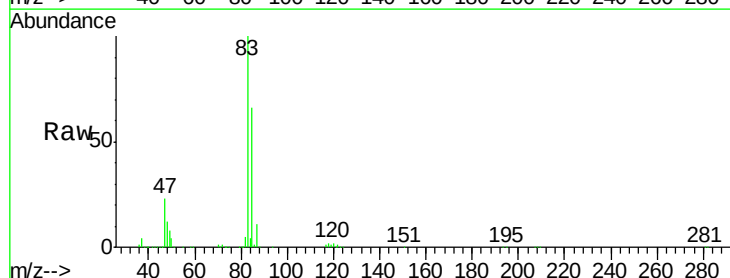
Manual Integrations
APPROVED

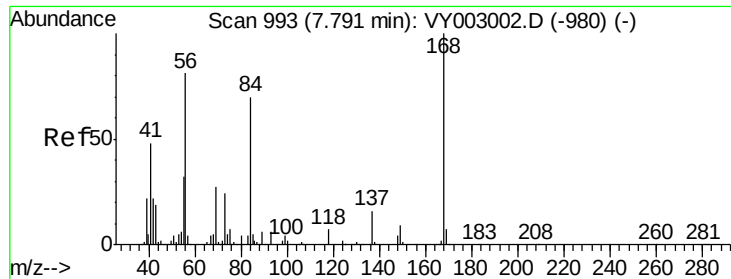
MMDadoda
6/30/2020 12:55:23 PM



#30
Chloroform
Concen: 50.592 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5





#31

Cyclohexane

Concen: 44.120 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

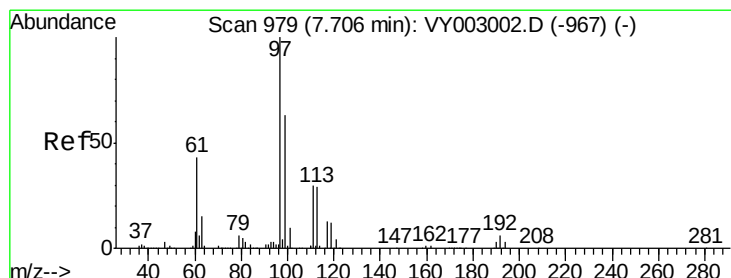
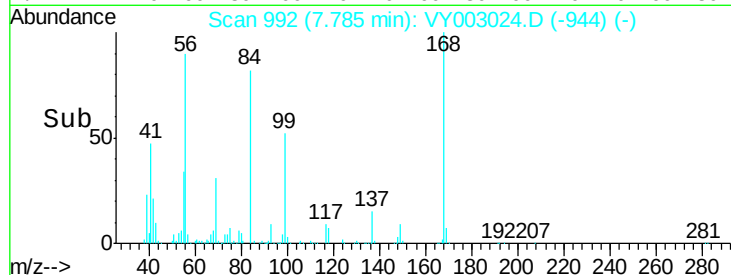
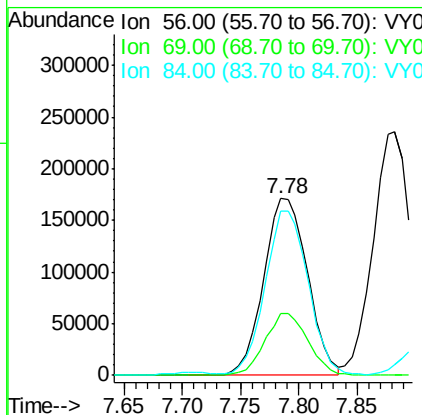
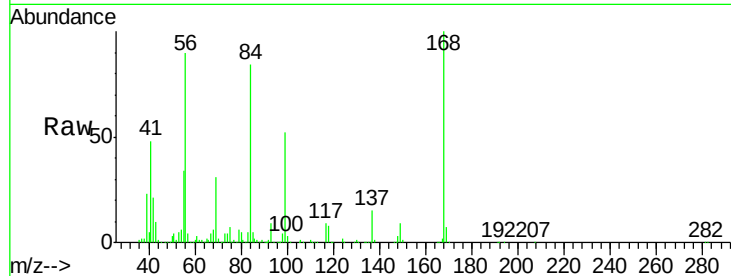
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	447354
Ion	Ratio	Lower	Upper
56	100		
69	34.7	27.0	40.4
84	91.3	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#32

1,1,1-Trichloroethane

Concen: 49.996 ug/l

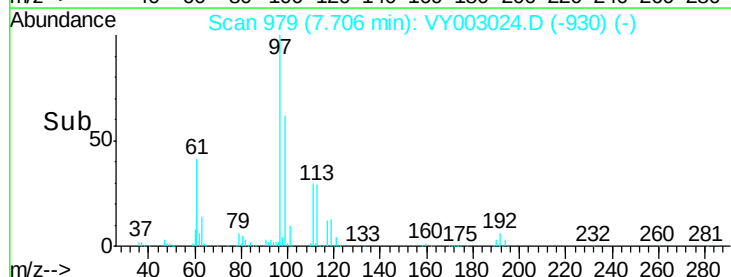
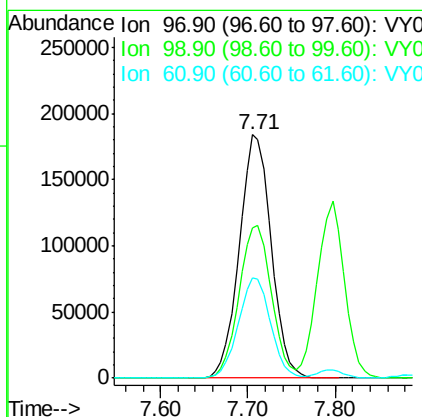
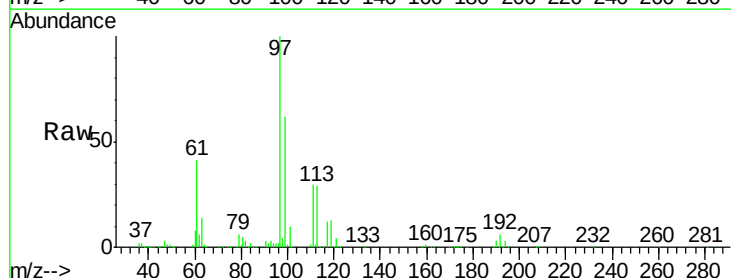
RT: 7.71 min Scan# 979

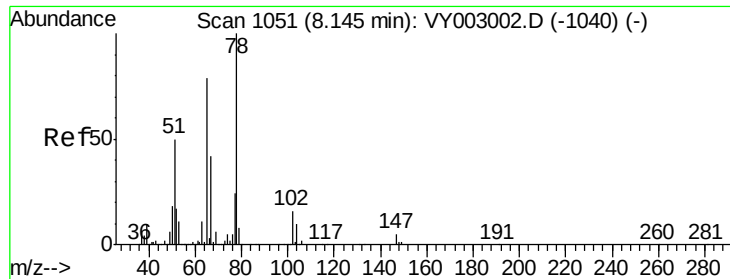
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	97	Resp:	465328
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	41.3	33.9	50.9





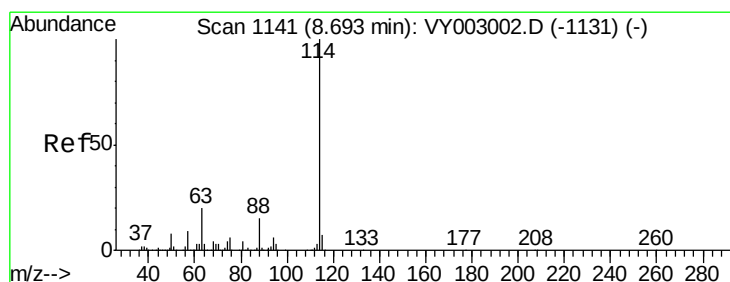
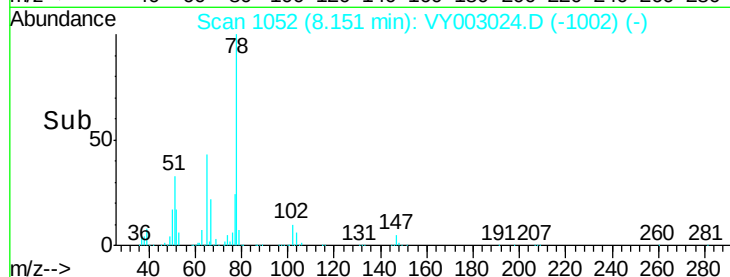
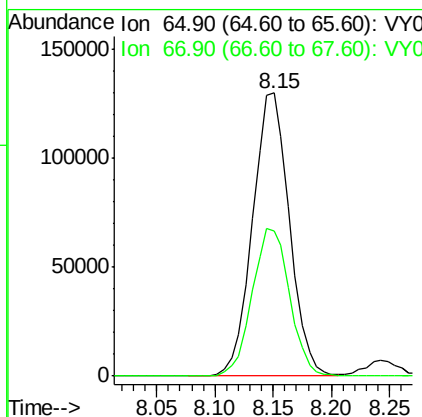
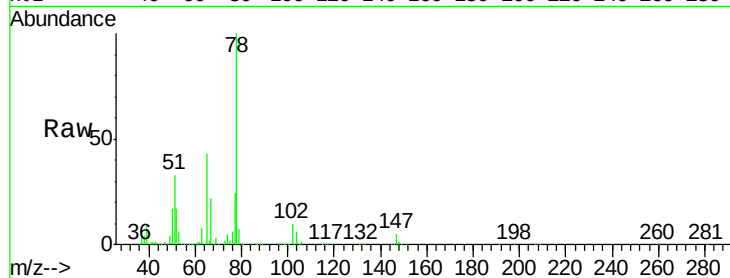
#33
 1,2-Dichloroethane-d4
 Concen: 49.684 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286432		
67	52.9	0.0	105.6	

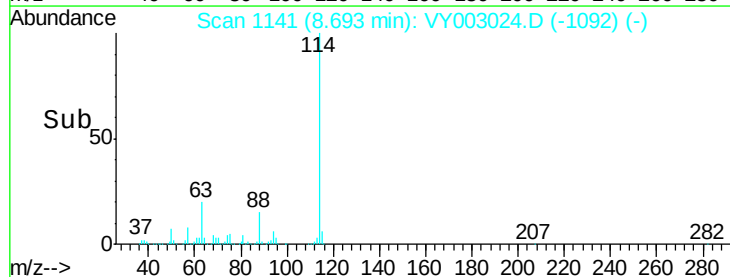
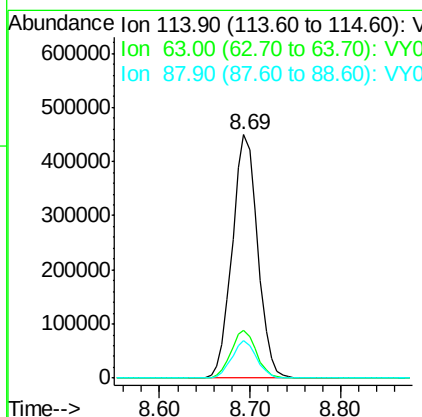
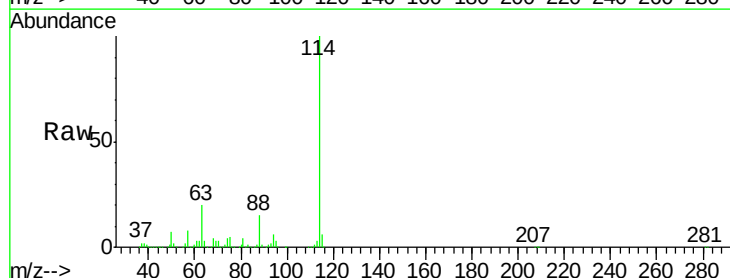
Manual Integrations
 APPROVED

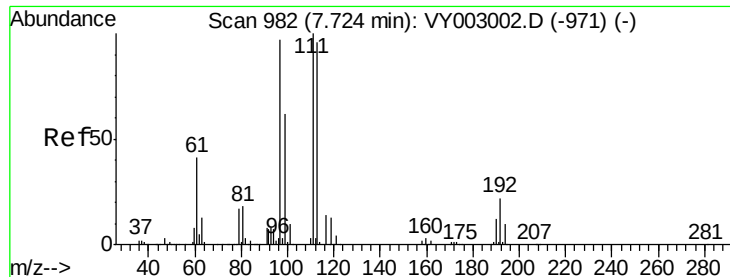
MMDadoda
 6/30/2020 12:55:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	872990		
63	19.5	0.0	40.6	
88	15.4	0.0	30.0	





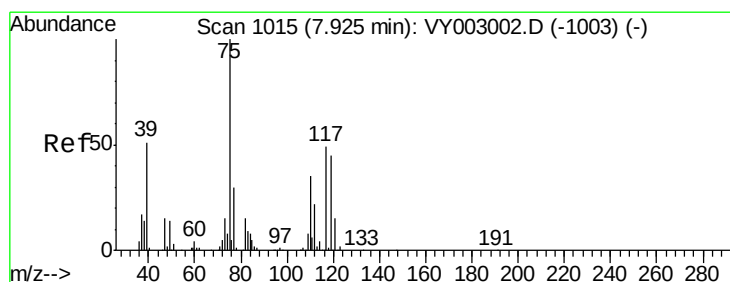
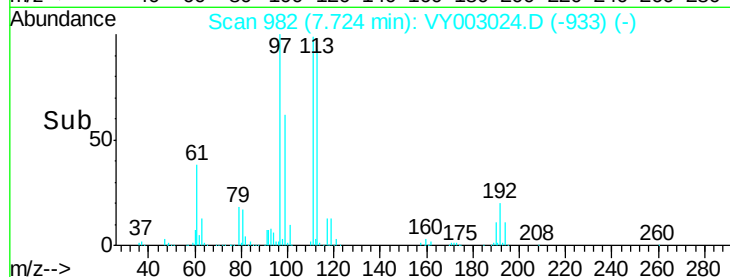
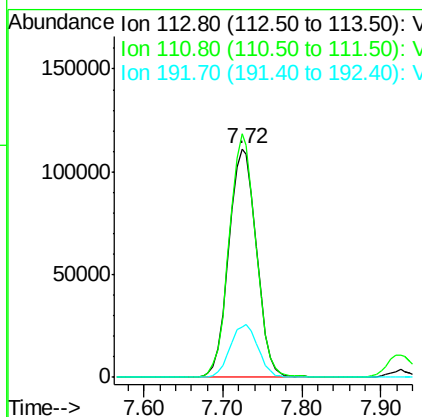
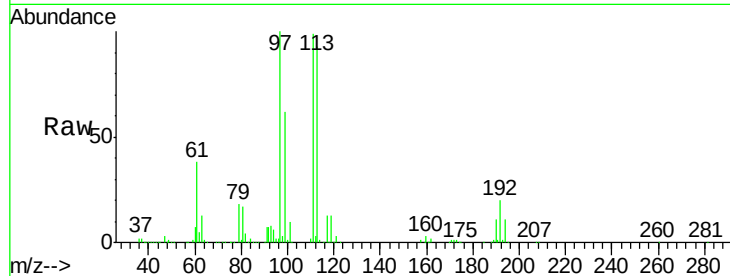
#35
 Dibromofluoromethane
 Concen: 50.003 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	272308		
111	102.5	82.6	123.8	
192	23.1	18.1	27.1	

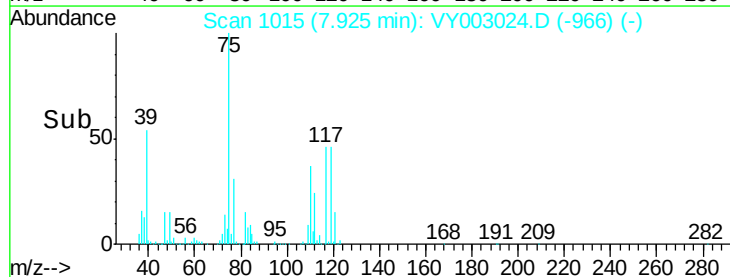
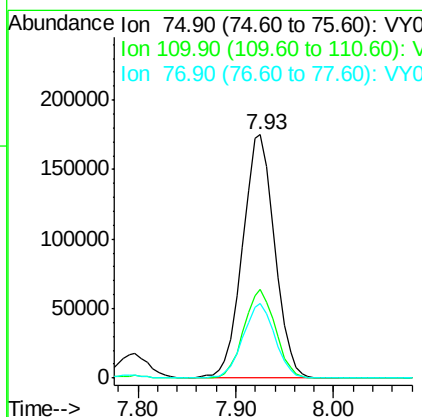
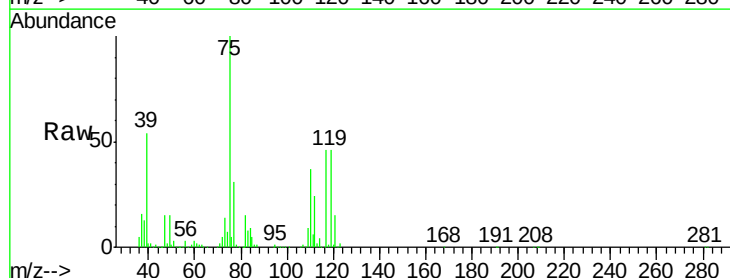
Manual Integrations
 APPROVED

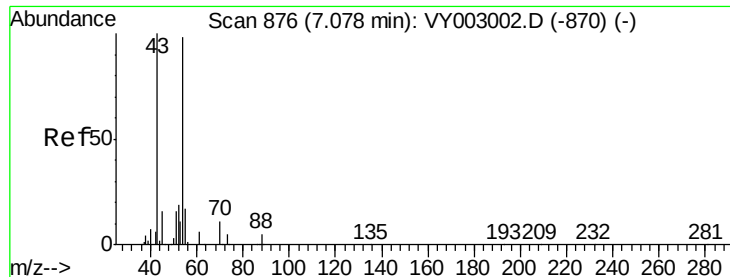
MMDadoda
 6/30/2020 12:55:23 PM



#36
 1,1-Dichloropropene
 Concen: 47.357 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	398226		
110	35.8	17.1	51.2	
77	30.6	24.9	37.3	





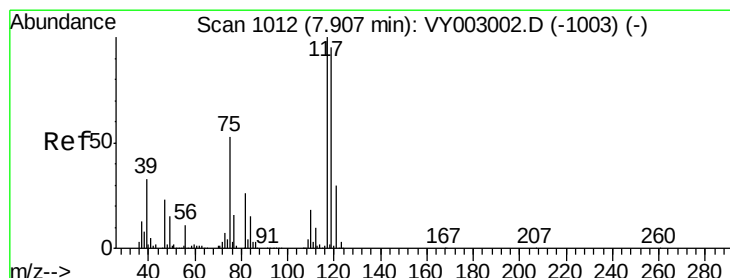
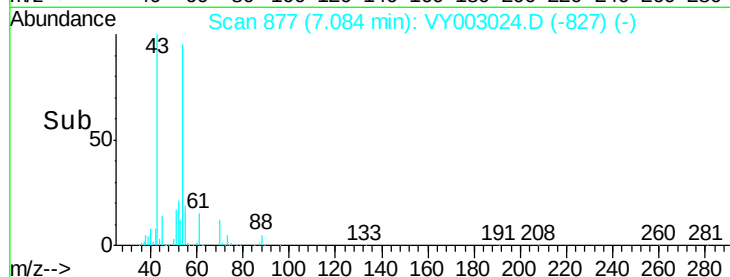
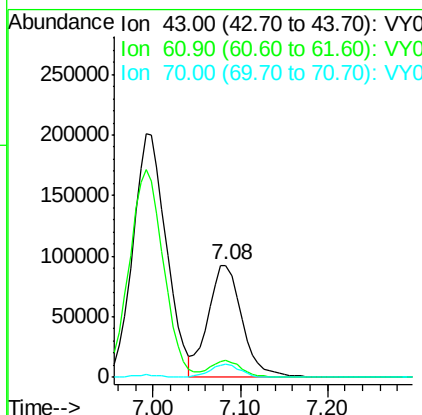
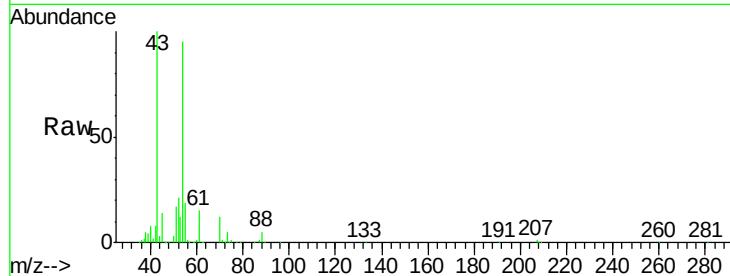
#37
Ethyl Acetate
Concen: 49.477 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	250155
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.6	7.7	11.5

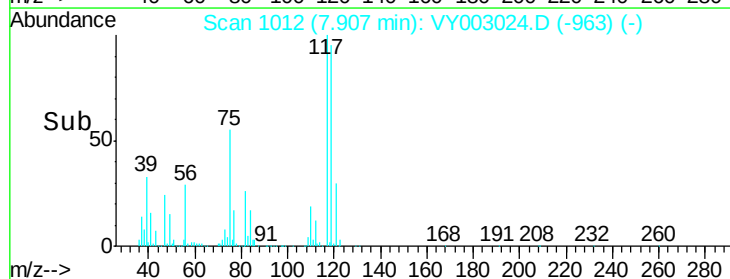
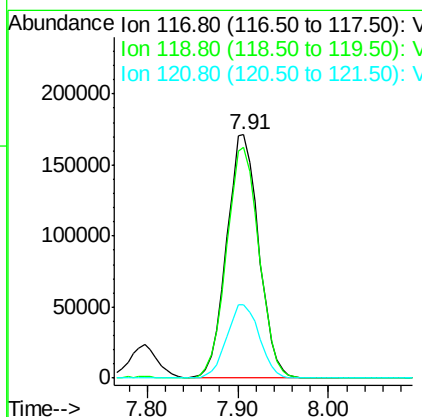
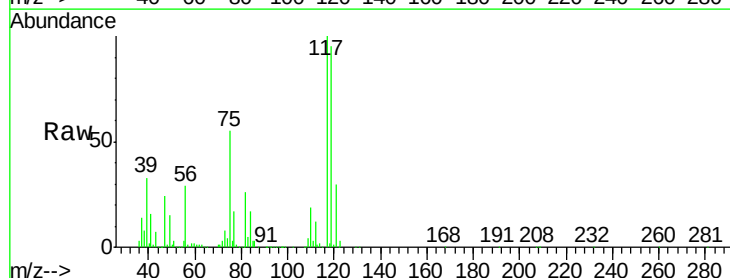
Manual Integrations
APPROVED

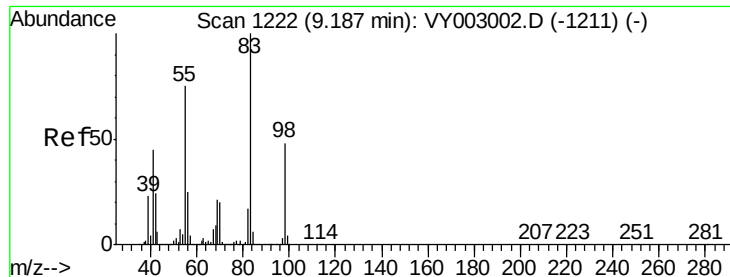
MMDadoda
6/30/2020 12:55:23 PM



#38
Carbon Tetrachloride
Concen: 48.264 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	117	Resp	422267
Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.7	113.5
121	30.1	23.9	35.9





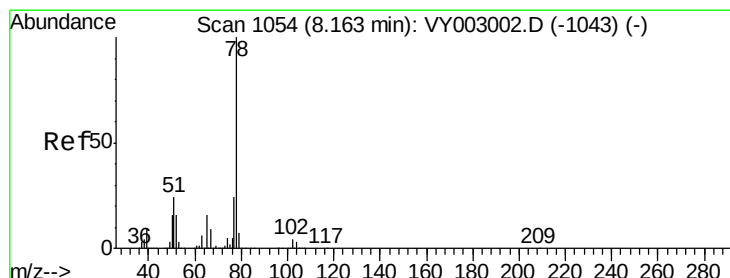
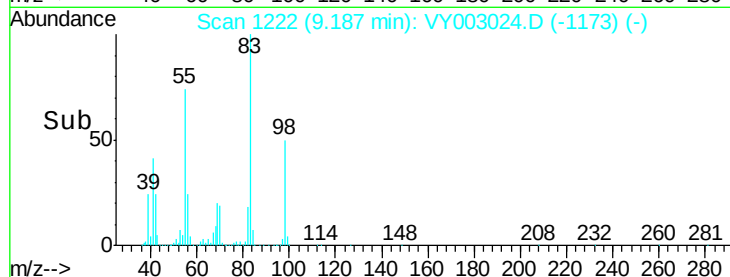
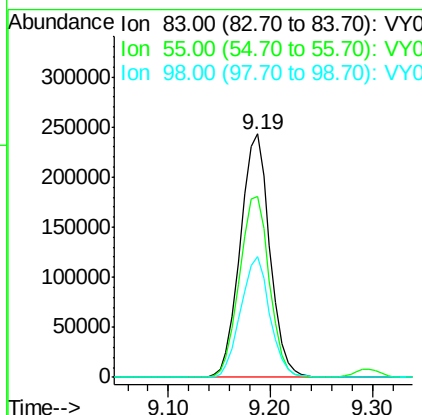
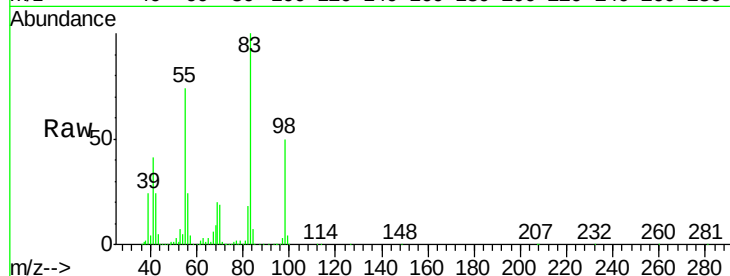
#39
Methylvlcyclohexane
Concen: 46.878 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.9	89.9
98	49.8	38.7	58.1

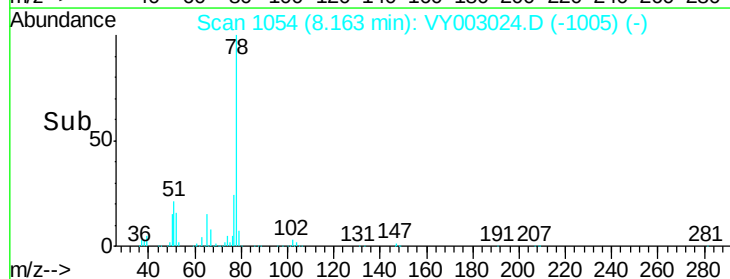
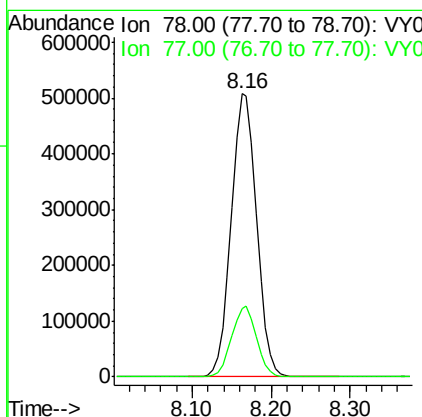
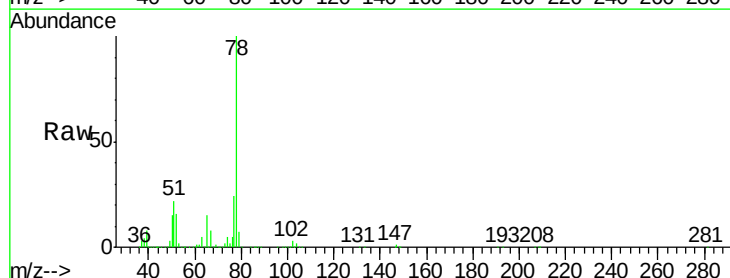
Manual Integrations
APPROVED

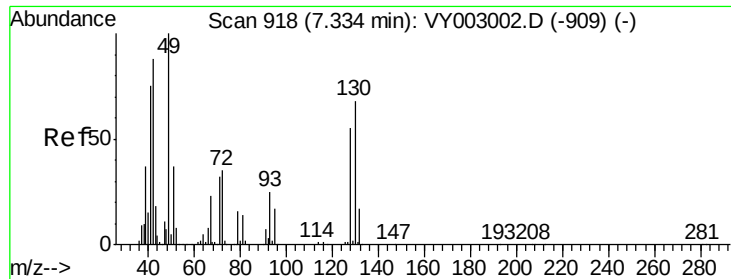
MMDadoda
6/30/2020 12:55:23 PM



#40
Benzene
Concen: 49.266 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





#41

Methacrylonitrile

Concen: 55.686 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 150396

Ion Ratio Lower Upper

41 100

39 106.2 85.7 128.5

67 0.0 0.0 0.0

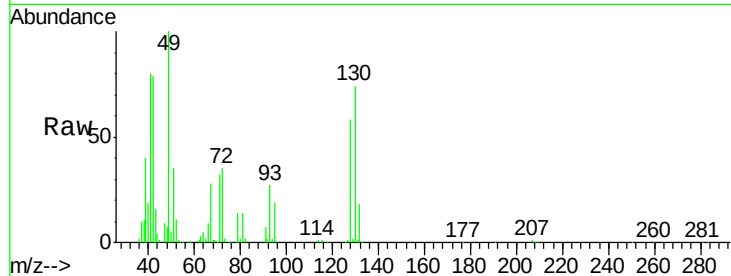
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM

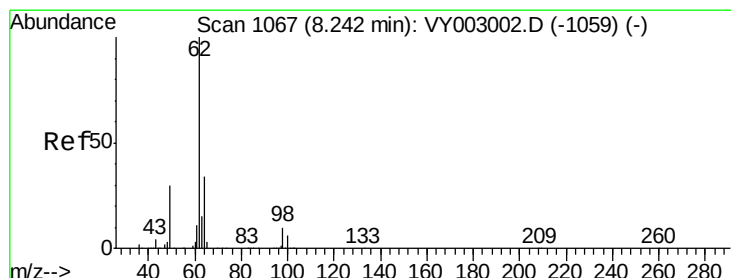
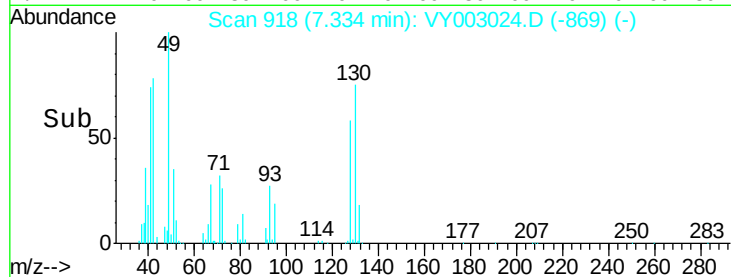
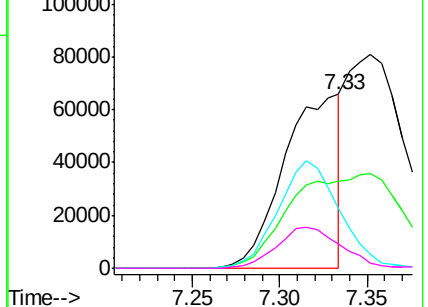


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 49.401 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003024.D

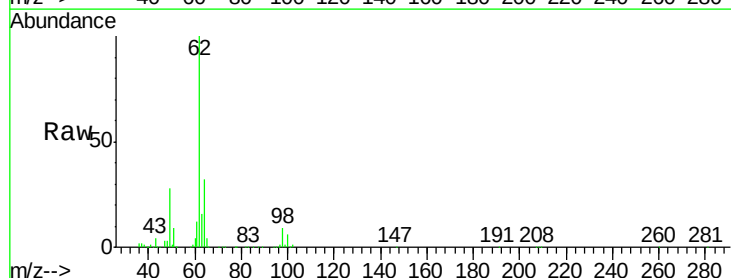
Acq: 29 Jun 2020 22:20

Tgt Ion: 62 Resp: 359788

Ion Ratio Lower Upper

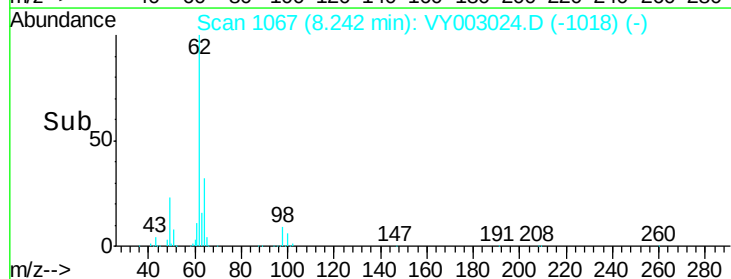
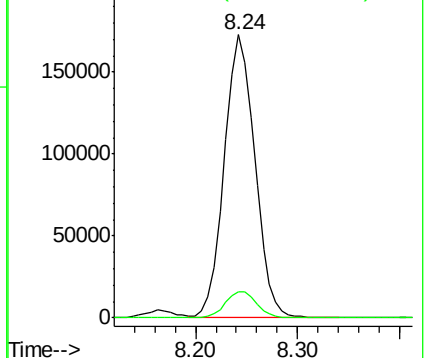
62 100

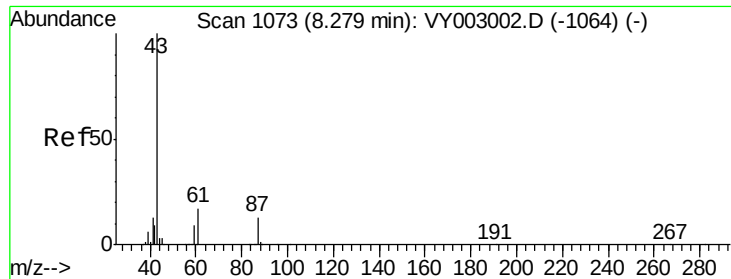
98 9.4 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 49.800 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

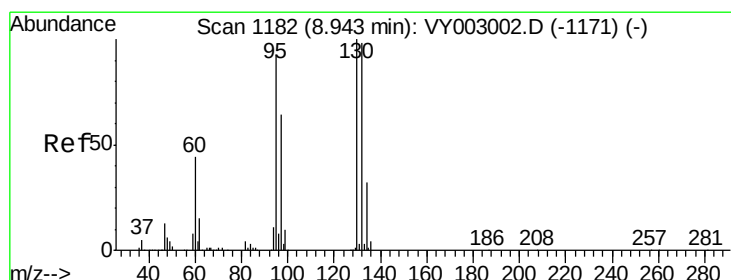
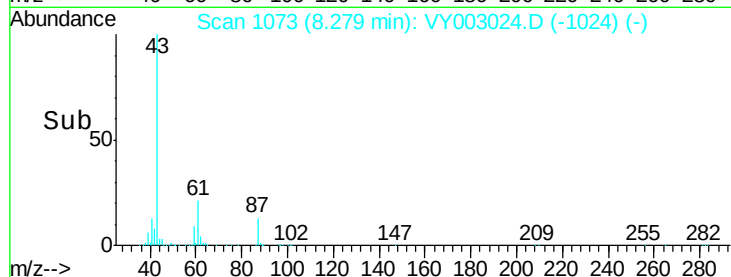
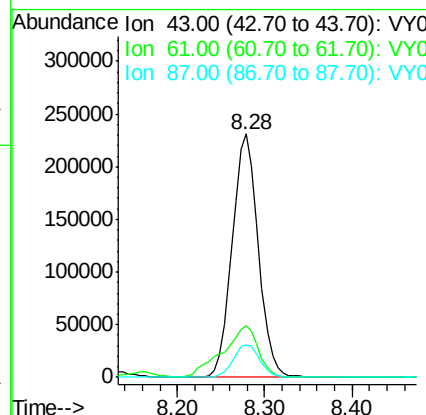
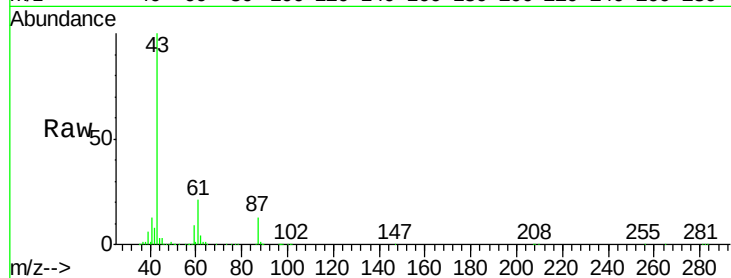
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	478656
Ion	Ratio	Lower	Upper
43	100		
61	29.0	21.8	32.6
87	13.7	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#44

Trichloroethene

Concen: 50.754 ug/l

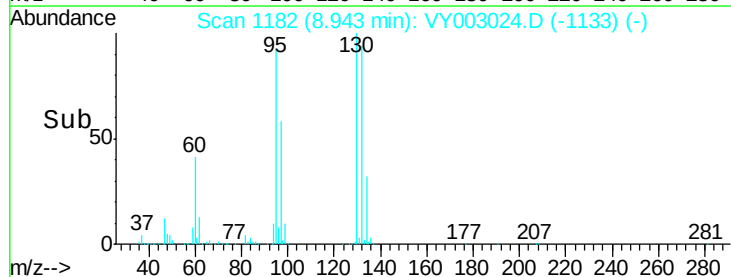
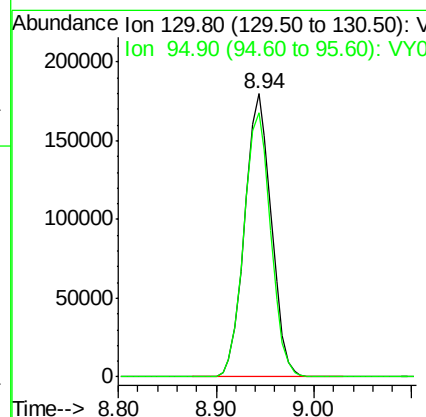
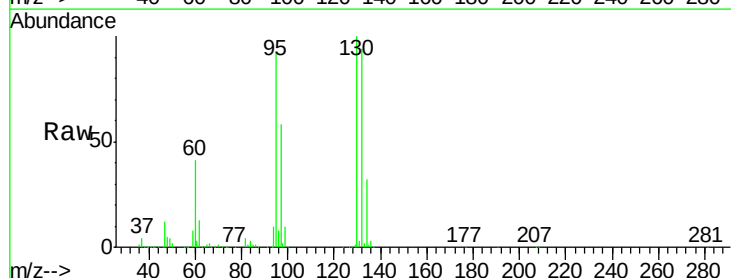
RT: 8.94 min Scan# 1182

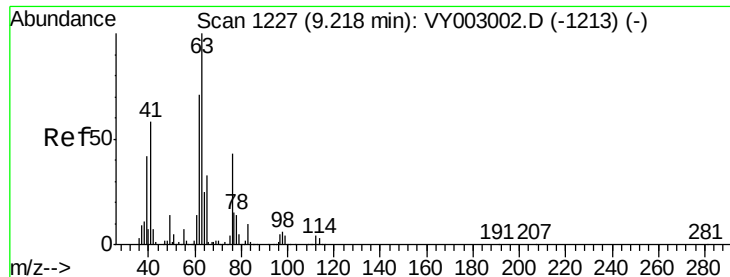
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	130	Resp:	339612
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	186.4





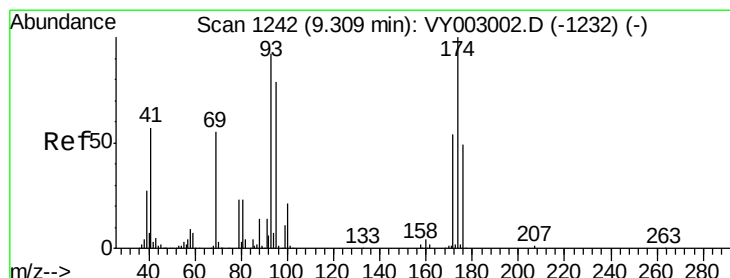
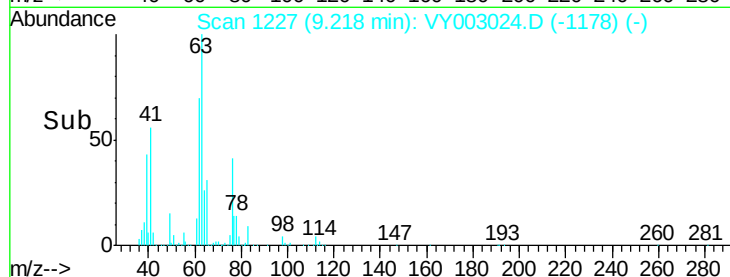
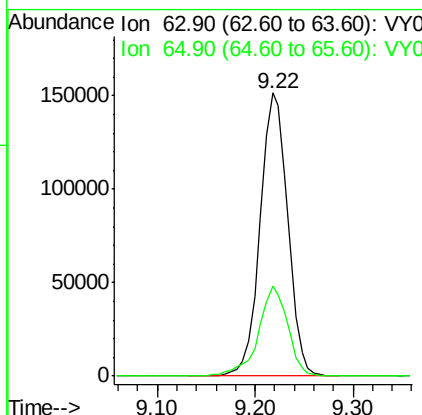
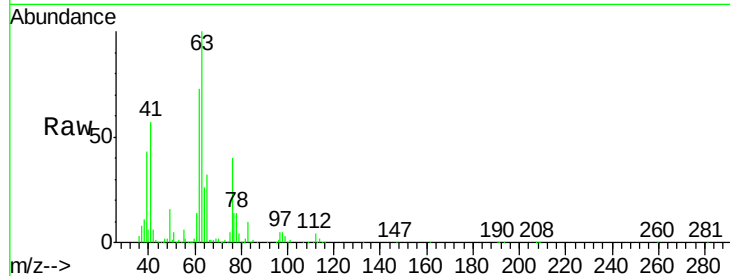
#45
 1,2-Dichloropropane
 Concen: 47.895 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.2	39.4

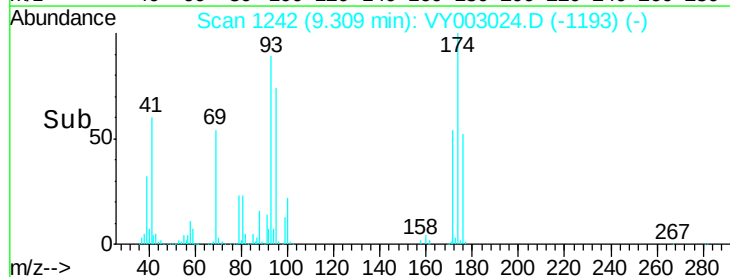
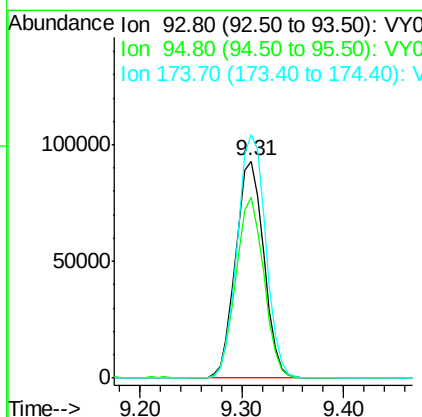
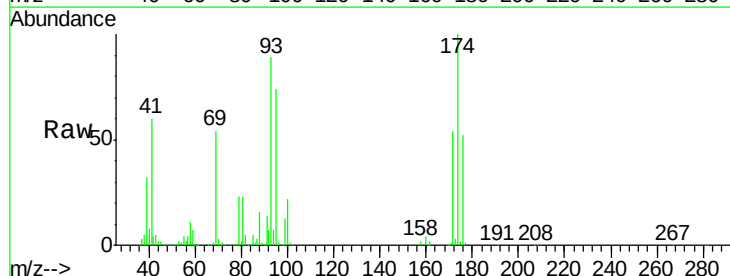
Manual Integrations
 APPROVED

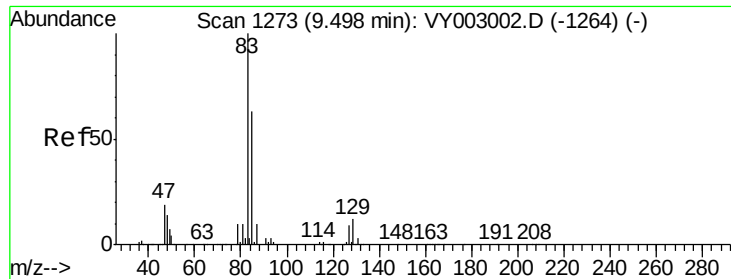
MMDadoda
 6/30/2020 12:55:23 PM



#46
 Dibromomethane
 Concen: 51.352 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.6	101.4
174	113.4	88.3	132.5





#47

Bromodichloromethane

Concen: 50.623 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

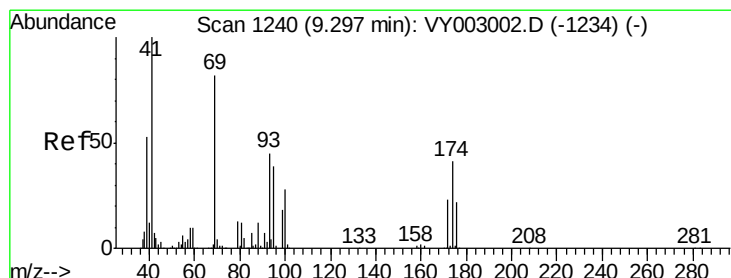
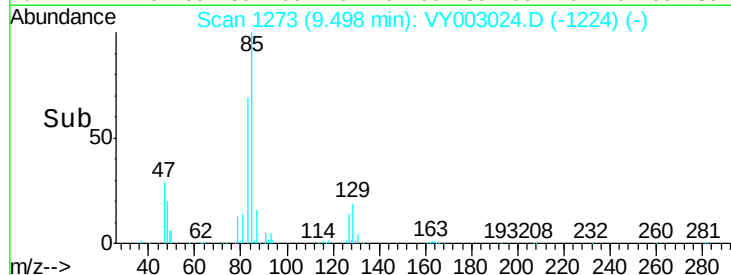
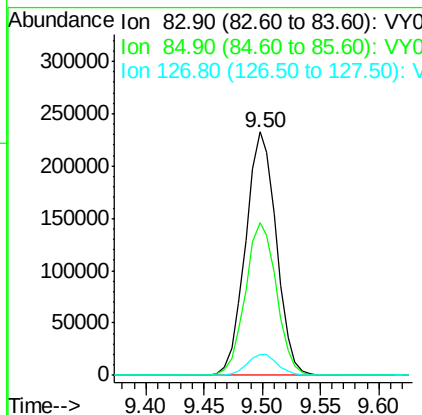
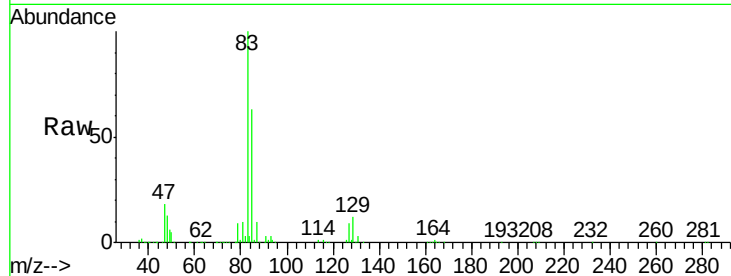
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	428799
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7
127	8.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#48

Methyl methacrylate

Concen: 49.540 ug/l

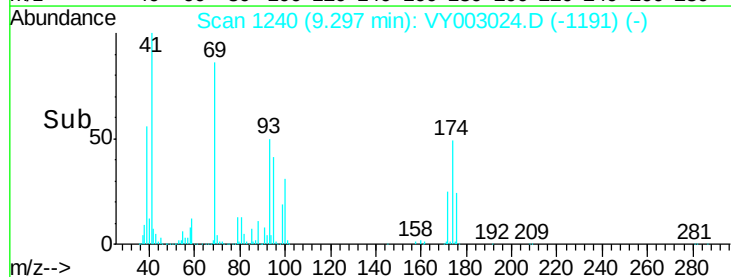
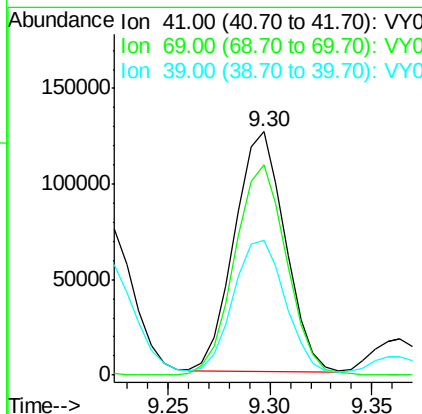
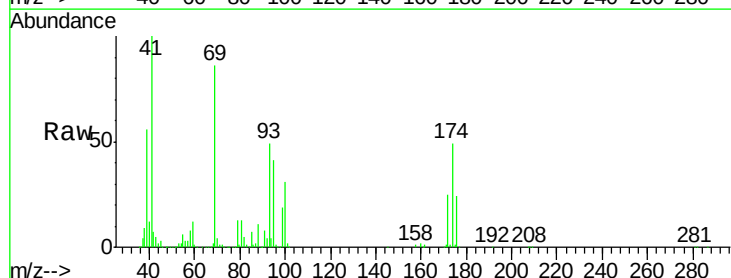
RT: 9.30 min Scan# 1240

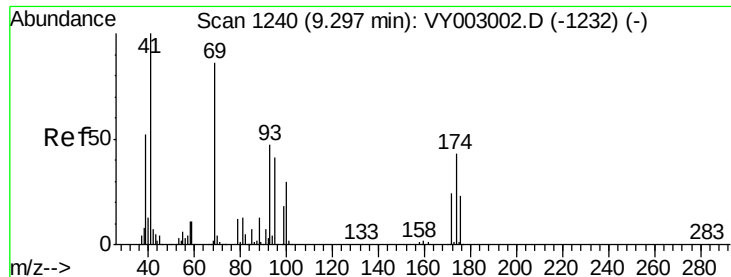
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	41	Resp:	216733
Ion	Ratio	Lower	Upper
41	100		
69	89.5	67.7	101.5
39	58.8	45.0	67.4





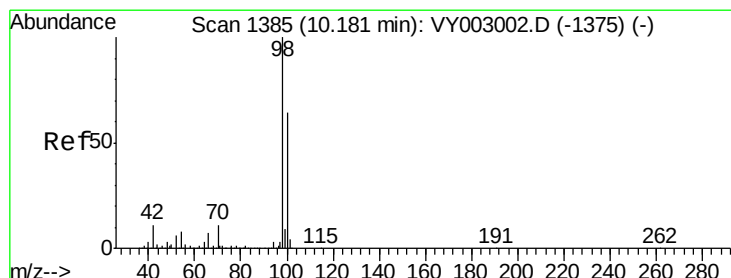
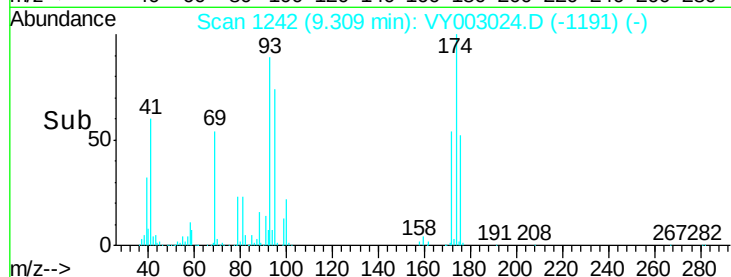
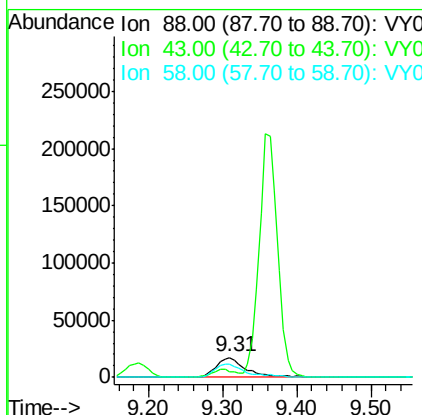
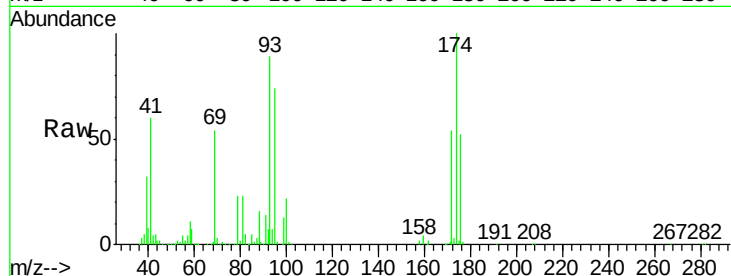
#49
1,4-Dioxane
Concen: 1162.122 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	28.6	42.8#
58	70.1	56.7	85.1

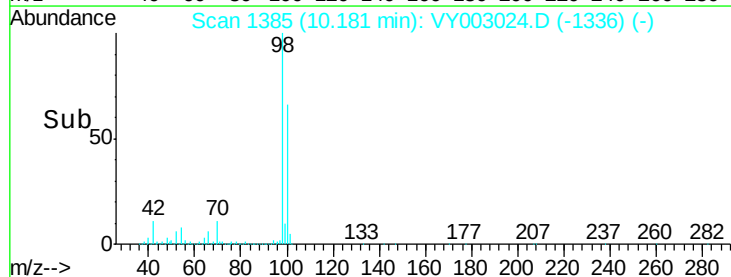
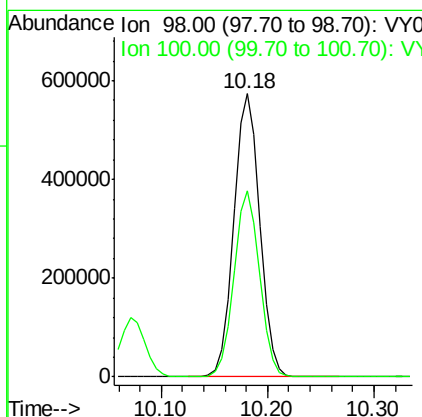
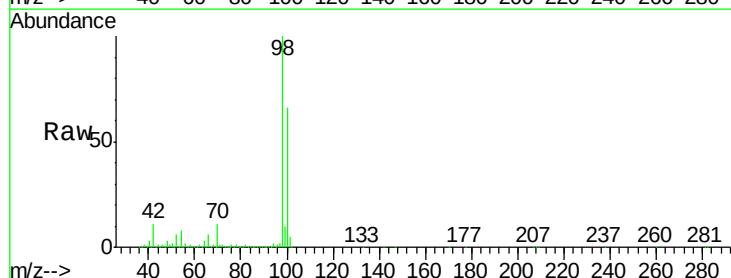
Manual Integrations
APPROVED

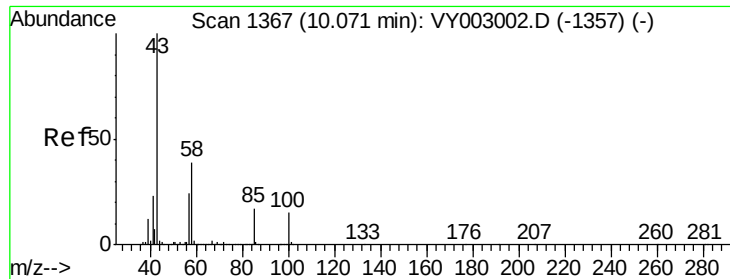
MMDadoda
6/30/2020 12:55:23 PM



#50
Toluene-d8
Concen: 48.331 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.1	76.7





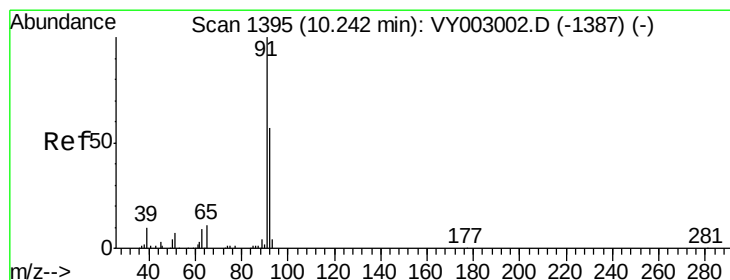
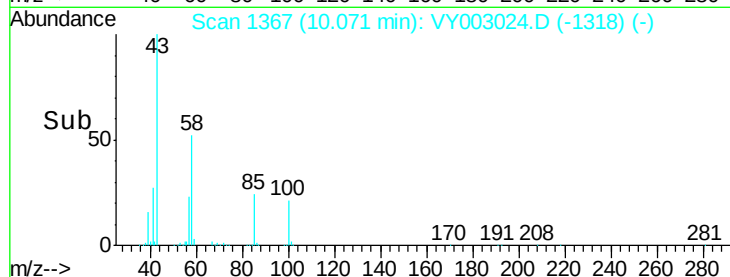
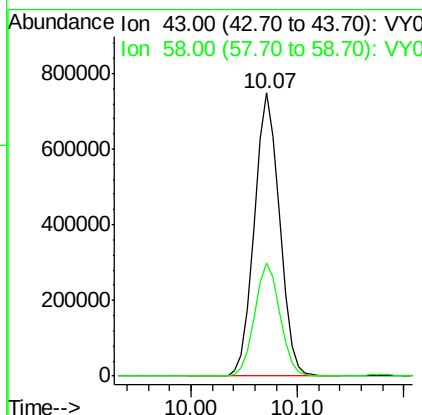
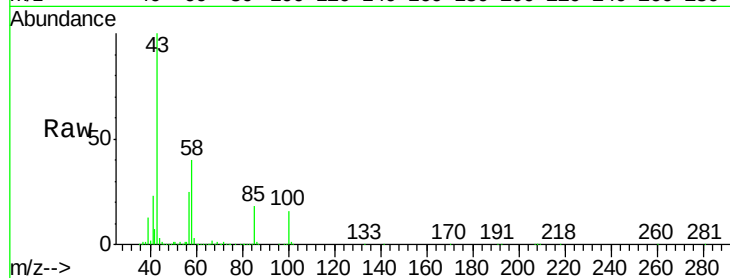
#51
4-Methyl-2-Pentanone
Concen: 251.183 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1247832
Ion Ratio Lower Upper
43 100
58 40.1 31.1 46.7

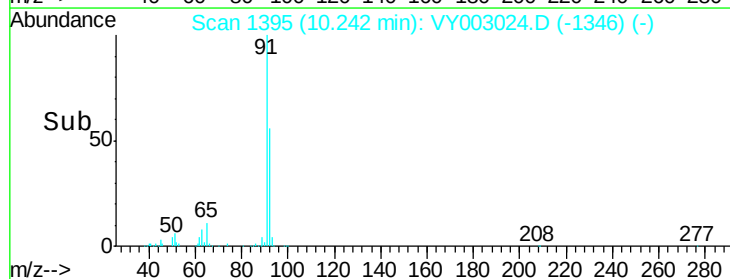
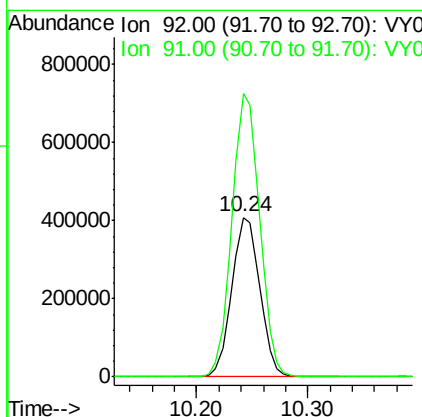
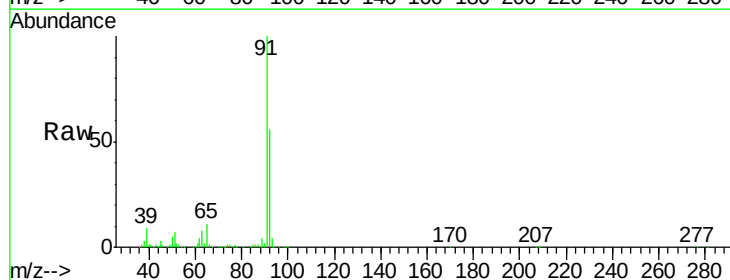
Manual Integrations
APPROVED

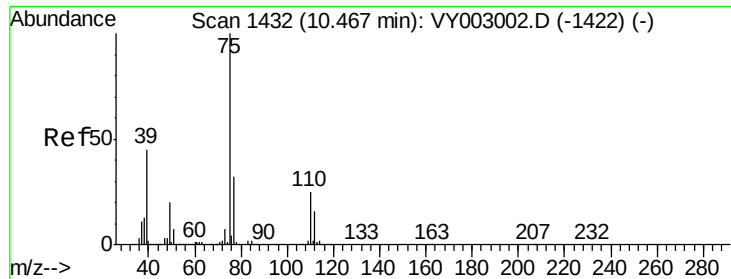
MMDadoda
6/30/2020 12:55:23 PM



#52
Toluene
Concen: 48.944 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 92 Resp: 709303
Ion Ratio Lower Upper
92 100
91 176.4 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 49.963 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 443702

Ion Ratio Lower Upper

75 100

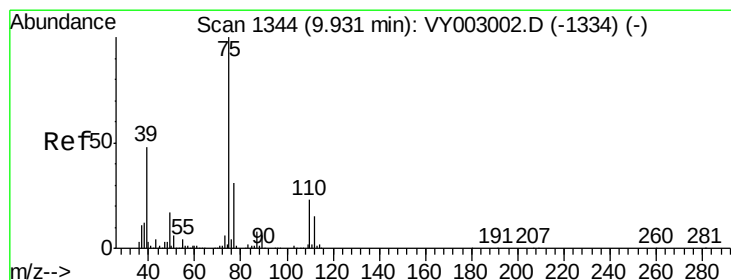
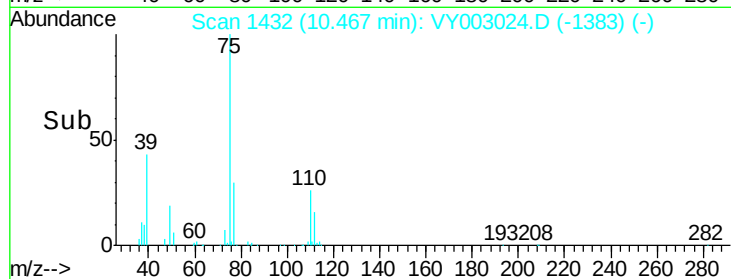
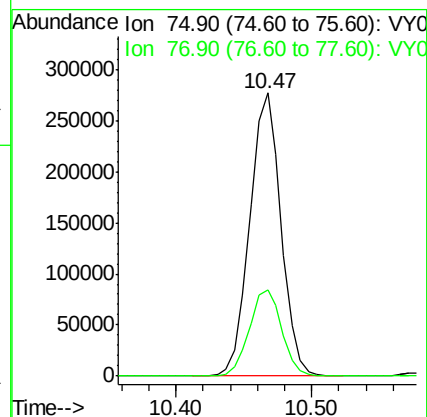
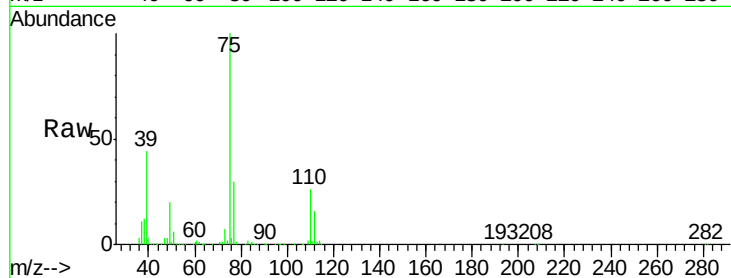
77 30.3 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM



#54

cis-1,3-Dichloropropene

Concen: 48.975 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

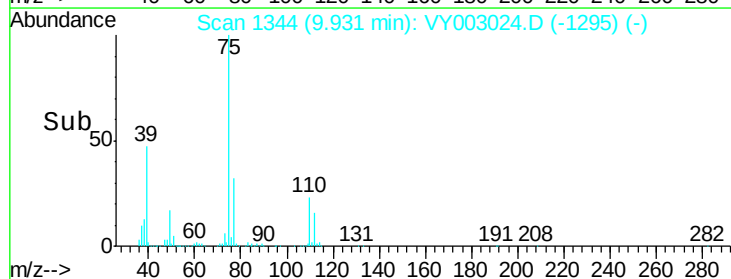
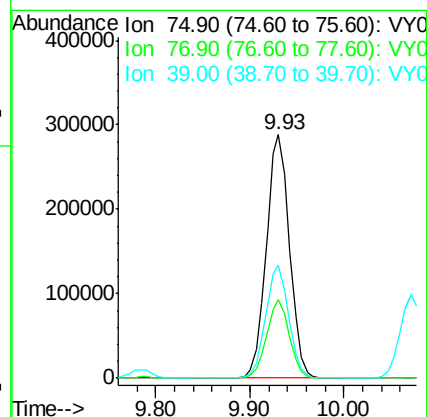
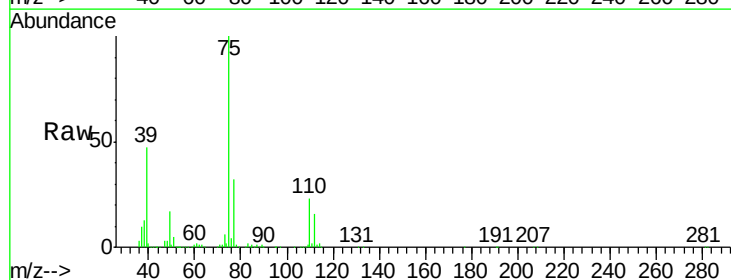
Tgt Ion: 75 Resp: 497414

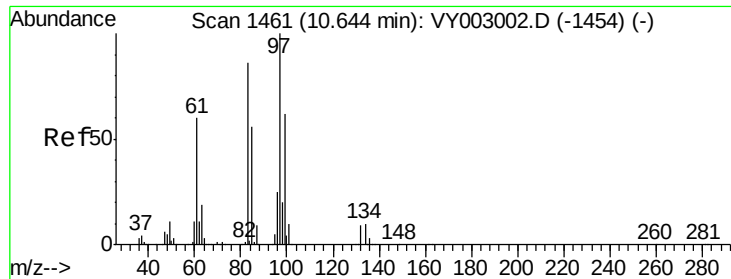
Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0

39 46.6 38.3 57.5





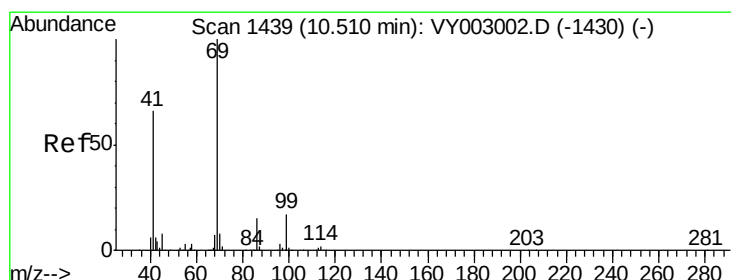
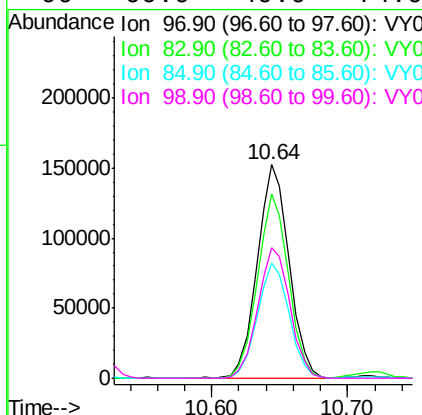
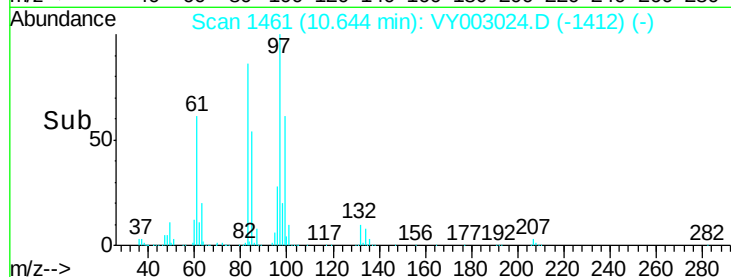
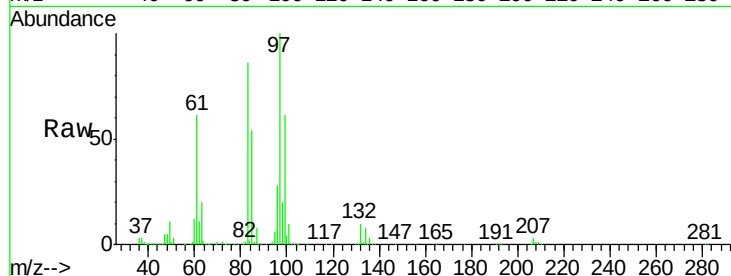
#55
 1,1,2-Trichloroethane
 Concen: 52.066 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	250278
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.0	103.6
85	54.0	44.8	67.2
99	60.9	49.9	74.9

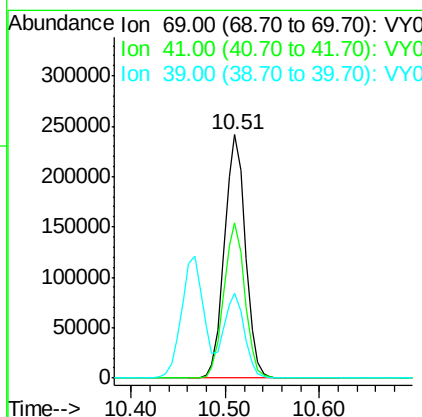
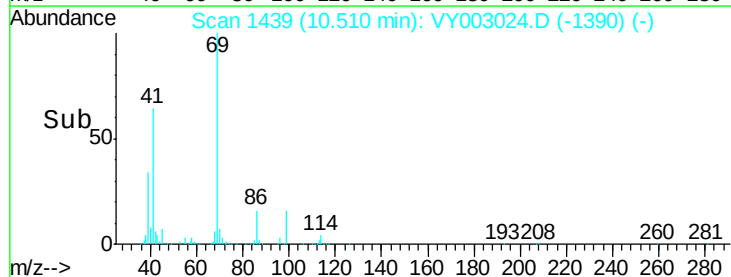
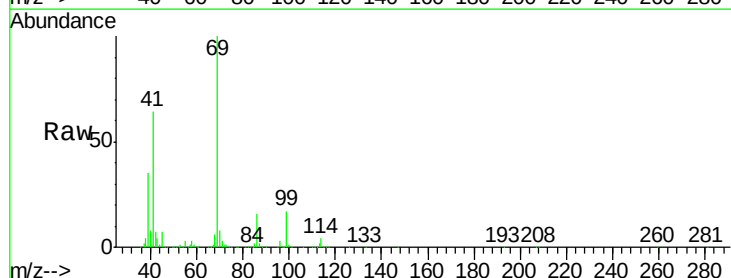
Manual Integrations
 APPROVED

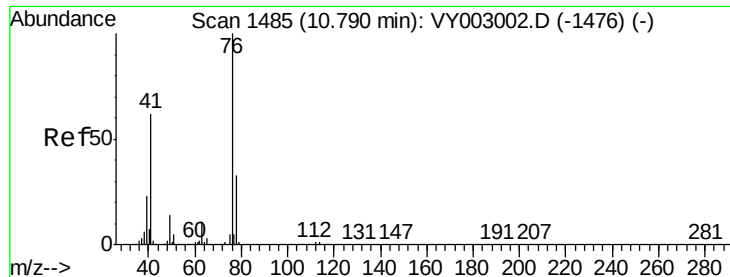
MMDadoda
 6/30/2020 12:55:23 PM



#56
 Ethyl methacrylate
 Concen: 53.606 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	69	Resp	373008
Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.7	80.5
39	34.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.164 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 431759

Ion Ratio Lower Upper

76 100

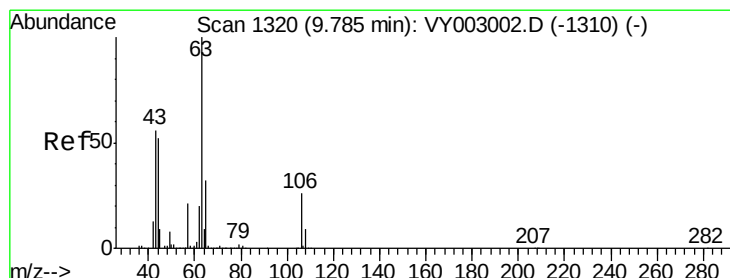
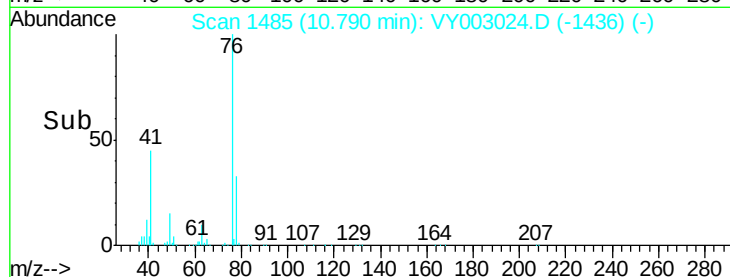
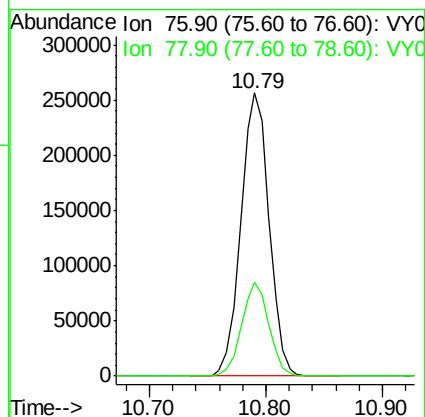
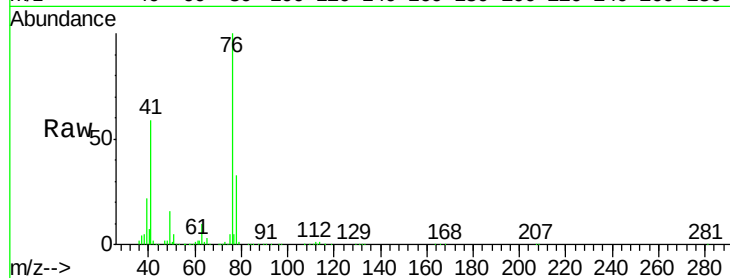
78 31.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/30/2020 12:55:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 248.023 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003024.D

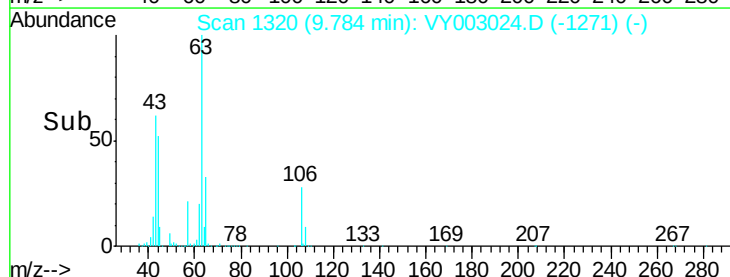
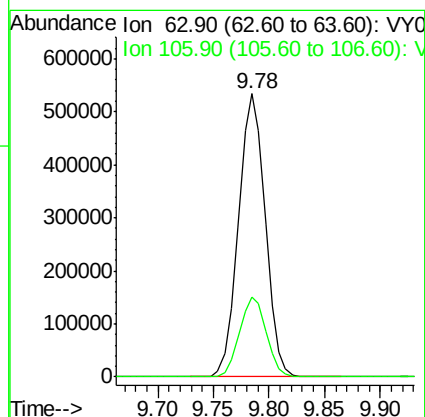
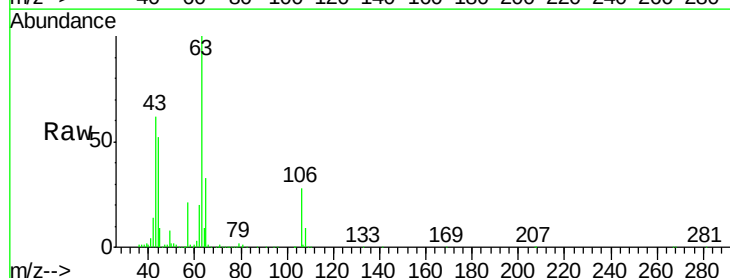
Acq: 29 Jun 2020 22:20

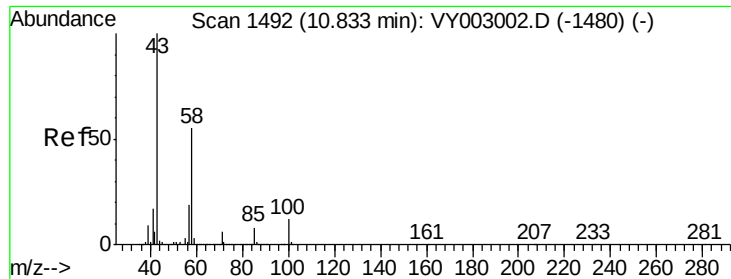
Tgt Ion: 63 Resp: 885124

Ion Ratio Lower Upper

63 100

106 28.3 21.5 32.3





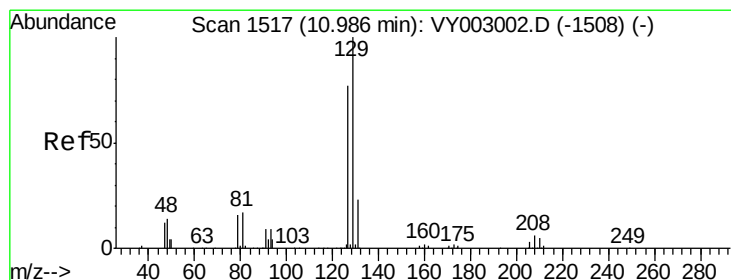
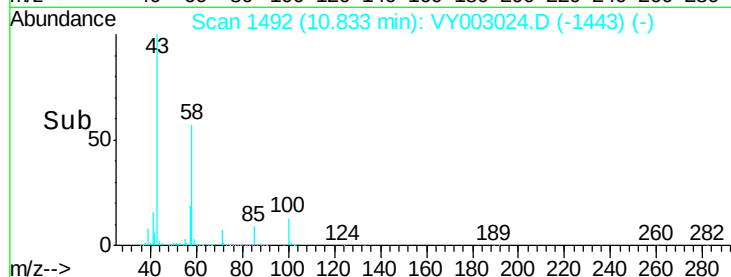
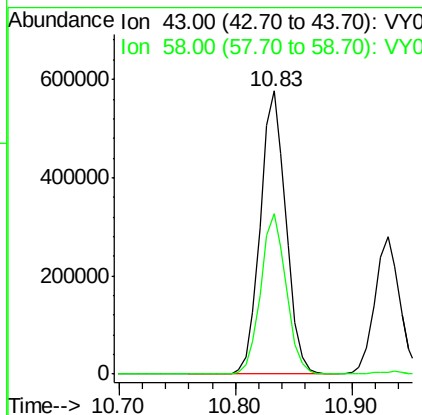
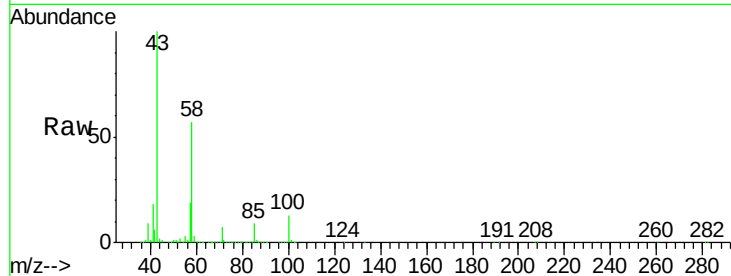
#59
2-Hexanone
Concen: 255.052 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 885623
Ion Ratio Lower Upper
43 100
58 56.2 27.5 82.4

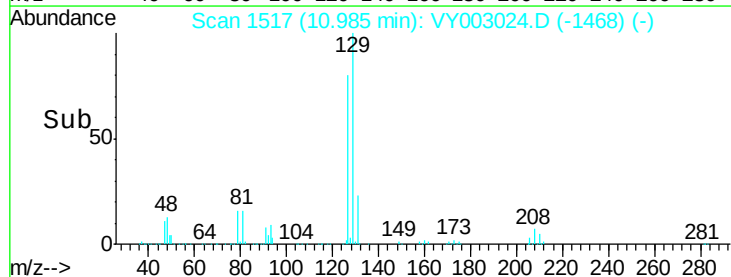
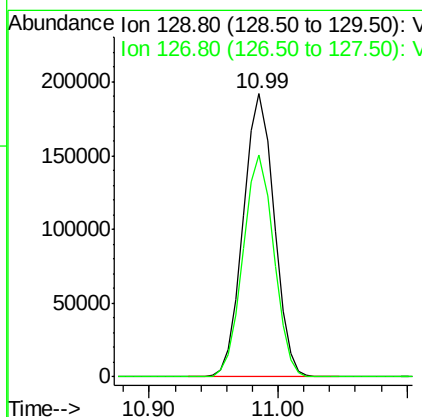
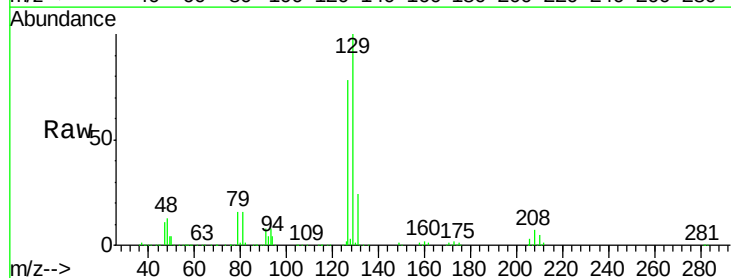
Manual Integrations
APPROVED

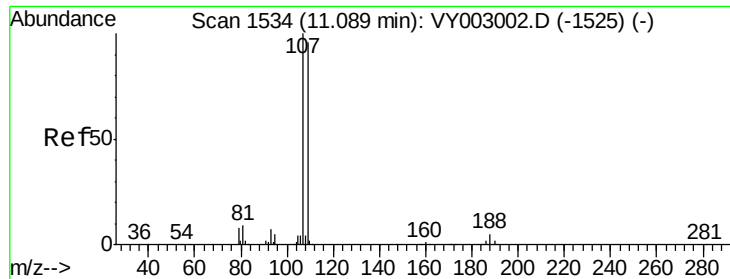
MMDadoda
6/30/2020 12:55:23 PM



#60
Dibromochloromethane
Concen: 51.744 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 129 Resp: 318311
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.3





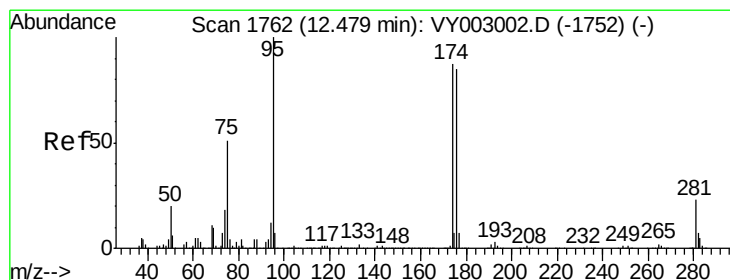
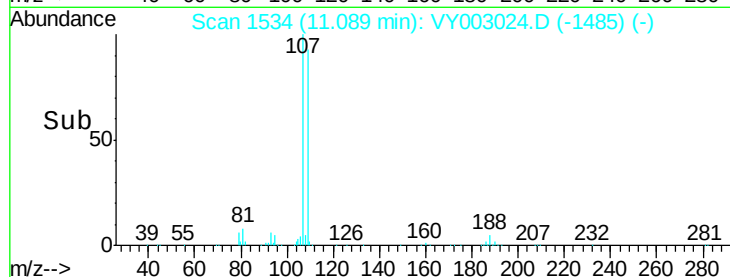
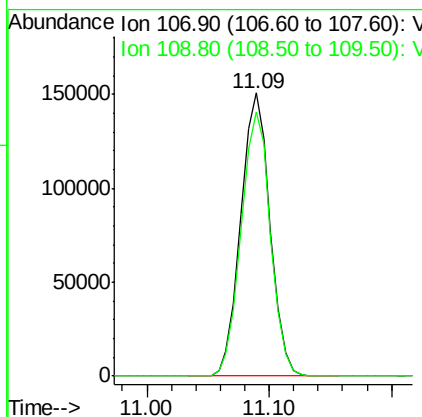
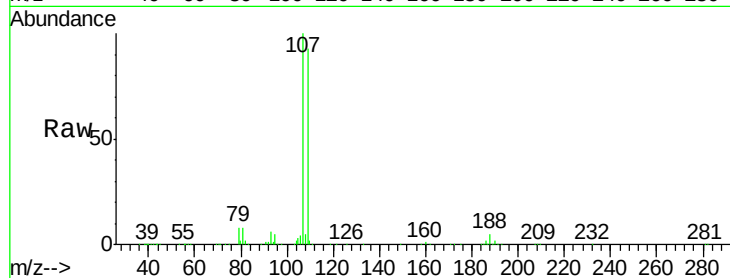
#61
 1,2-Dibromoethane
 Concen: 52.403 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.8	113.8

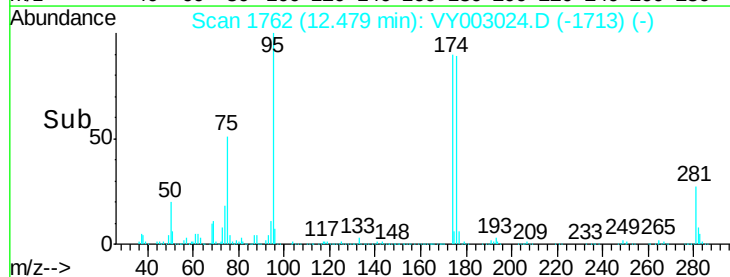
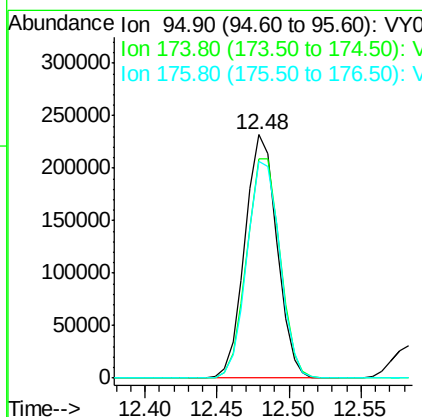
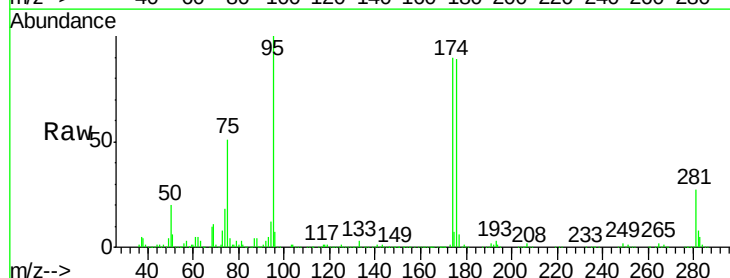
Manual Integrations
 APPROVED

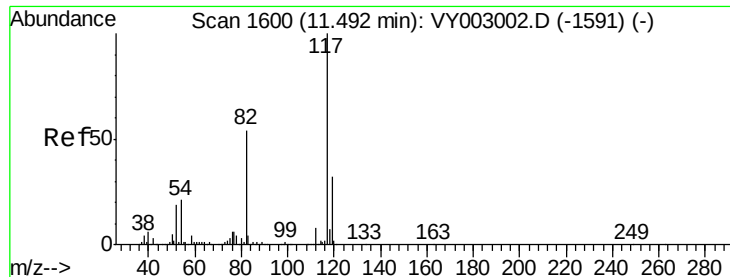
MMDadoda
 6/30/2020 12:55:23 PM



#62
 4-Bromofluorobenzene
 Concen: 49.847 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	184.8
176	91.2	0.0	183.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

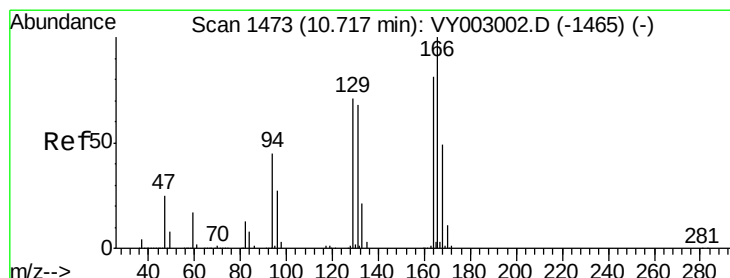
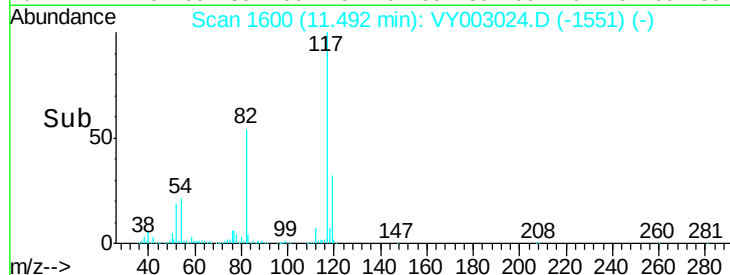
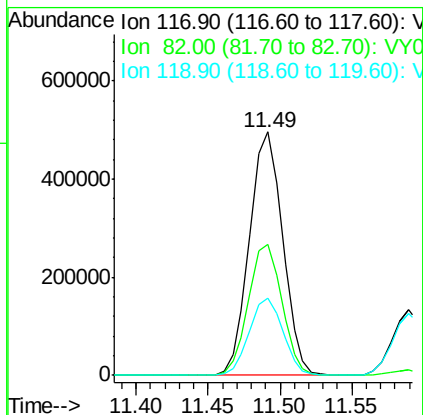
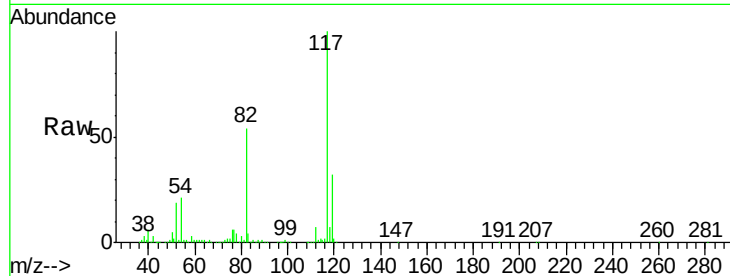
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	795021
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.0	64.6
119	31.6	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#64

Tetrachloroethene

Concen: 51.882 ug/l

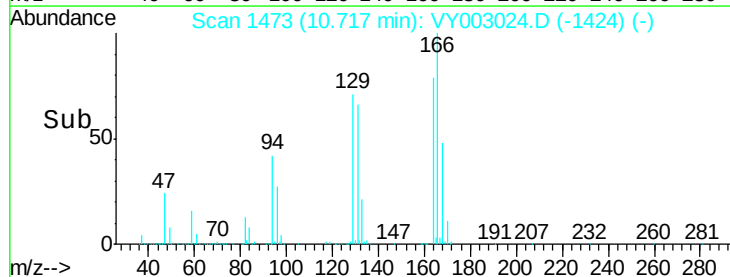
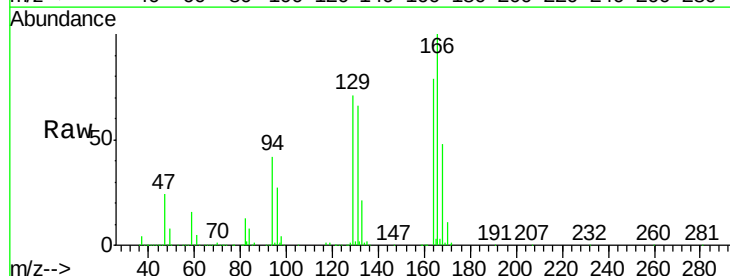
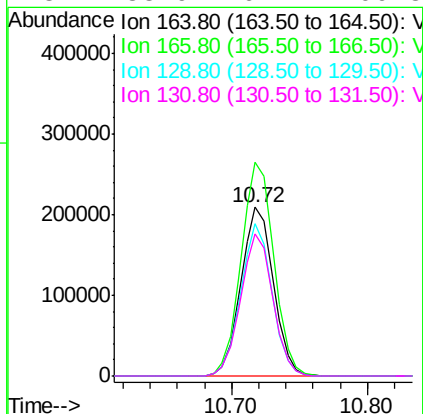
RT: 10.72 min Scan# 1473

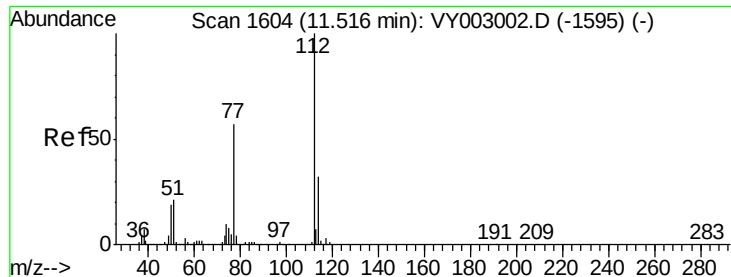
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	164	Resp:	349095
Ion Ratio	Lower	Upper	
164	100		
166	126.7	98.5	147.7
129	90.1	69.7	104.5
131	83.9	67.2	100.8





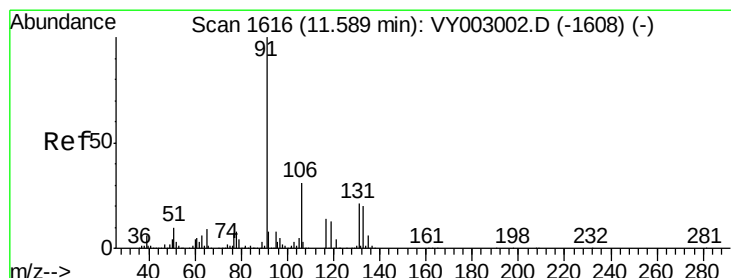
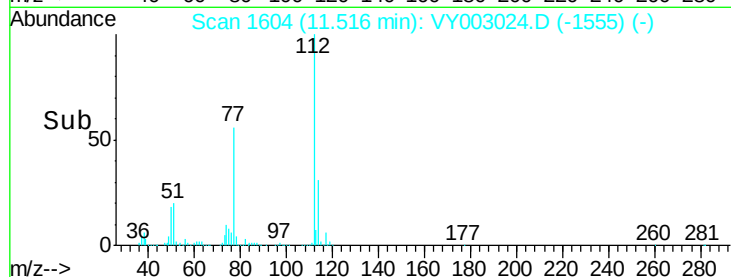
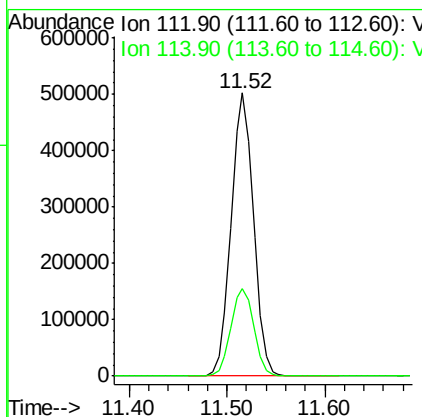
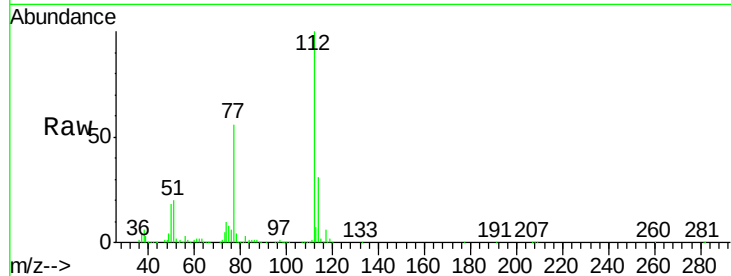
#65
Chlorobenzene
Concen: 50.670 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.7	38.5

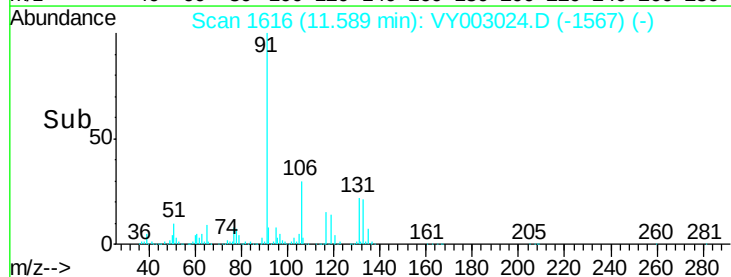
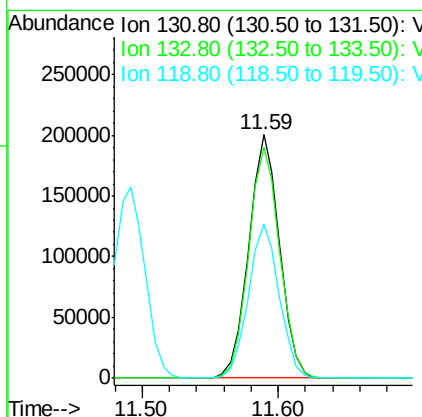
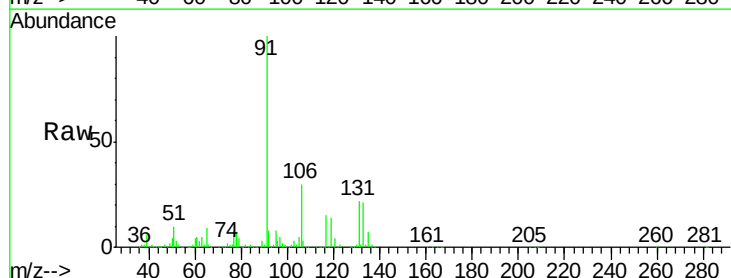
Manual Integrations
APPROVED

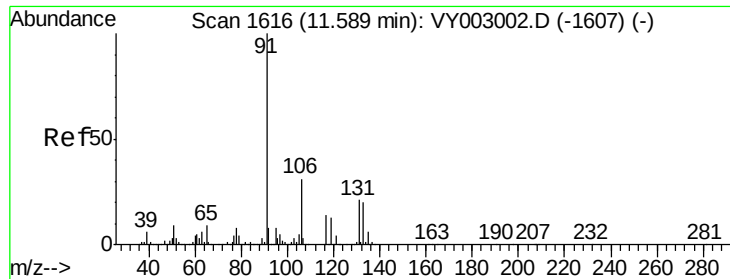
MMDadoda
6/30/2020 12:55:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.703 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.8
119	63.7	31.8	95.3





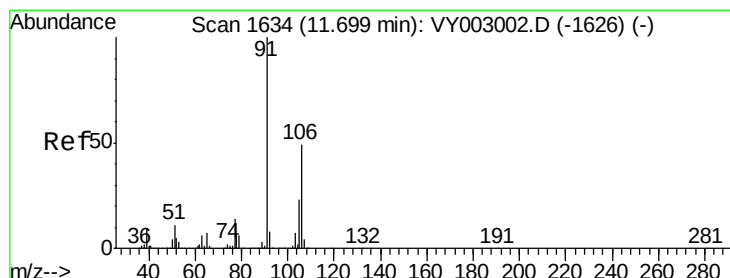
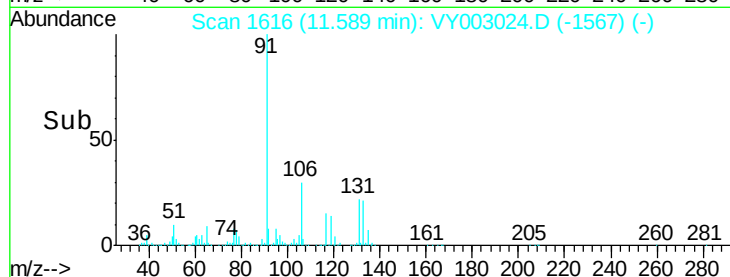
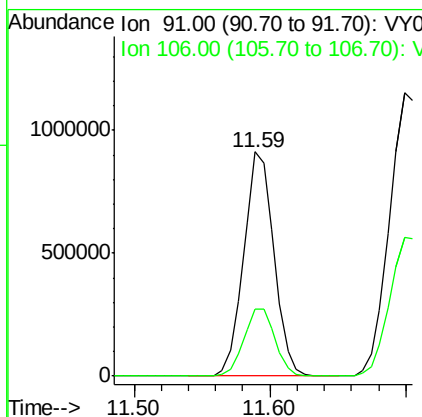
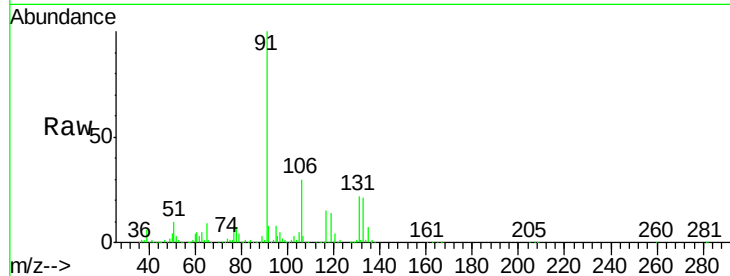
#67
Ethyl Benzene
Concen: 49.428 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1417529
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.4

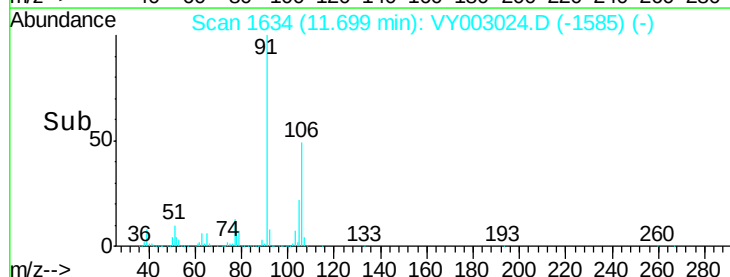
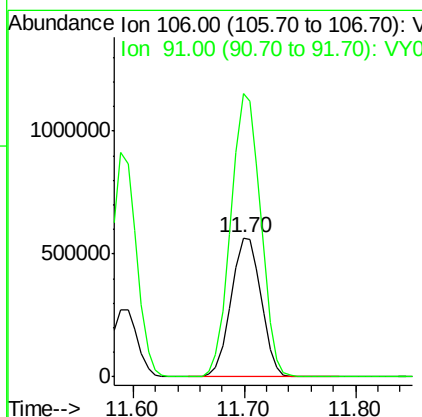
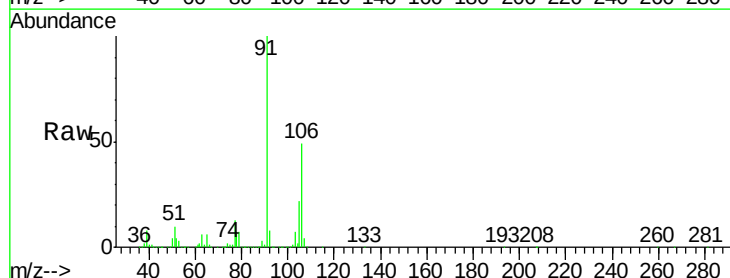
Manual Integrations
APPROVED

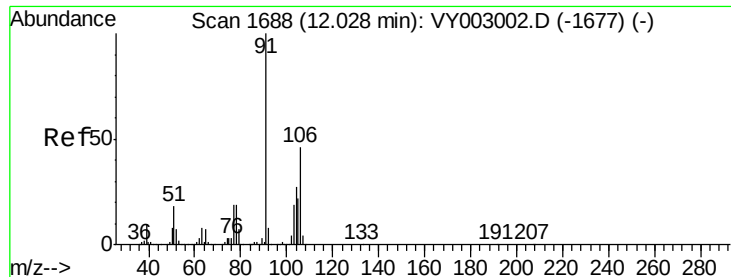
MMDadoda
6/30/2020 12:55:23 PM



#68
m/p-Xylenes
Concen: 98.955 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 106 Resp: 1056211
Ion Ratio Lower Upper
106 100
91 202.5 161.9 242.9





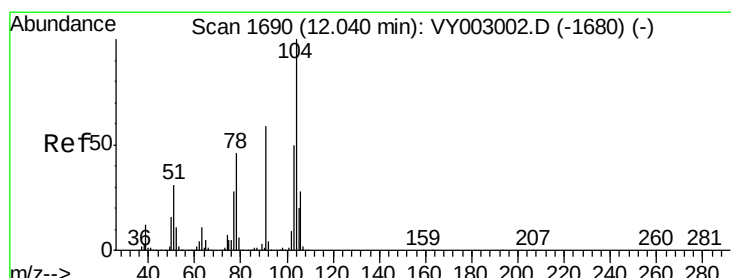
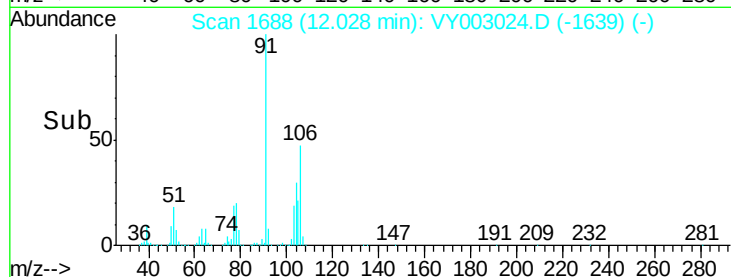
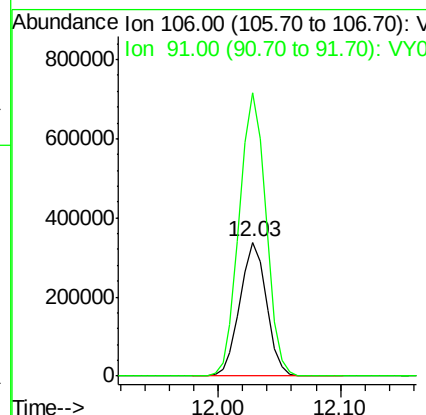
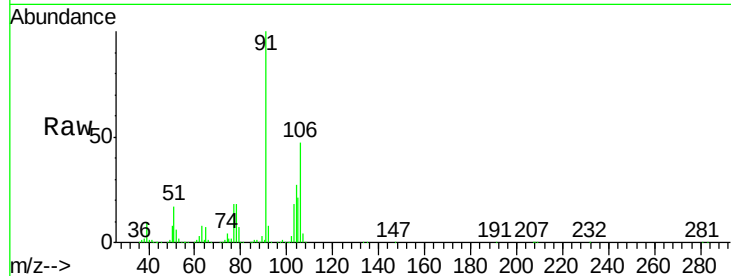
#69
o-Xylene
Concen: 50.359 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.5	107.9	506516	323.8	

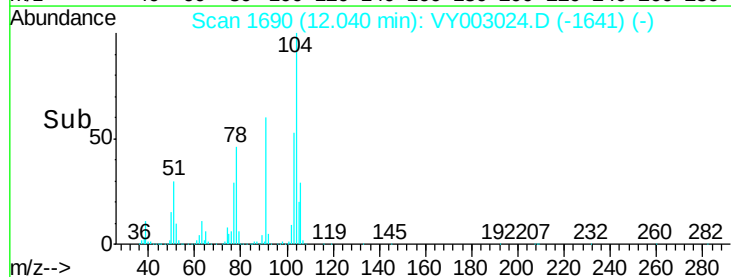
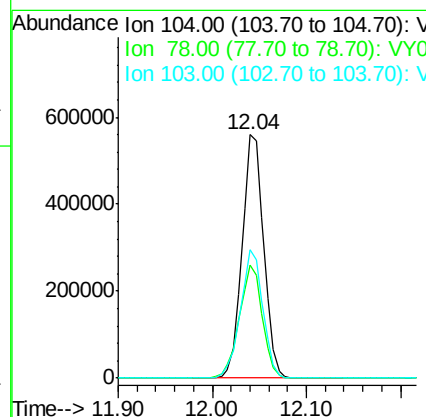
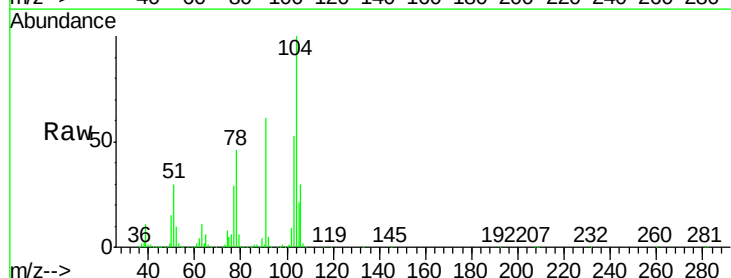
Manual Integrations
APPROVED

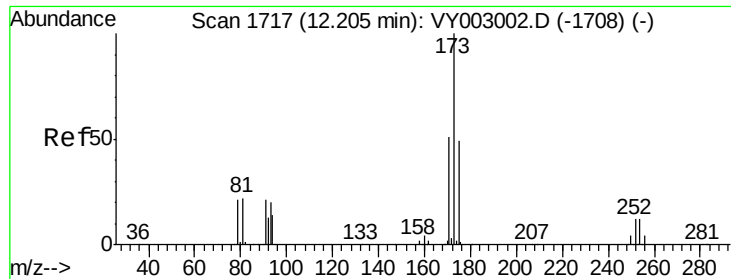
MMDadoda
6/30/2020 12:55:23 PM



#70
Styrene
Concen: 51.534 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.4	40.4	885521	60.6	
103	54.9	44.1		66.1	





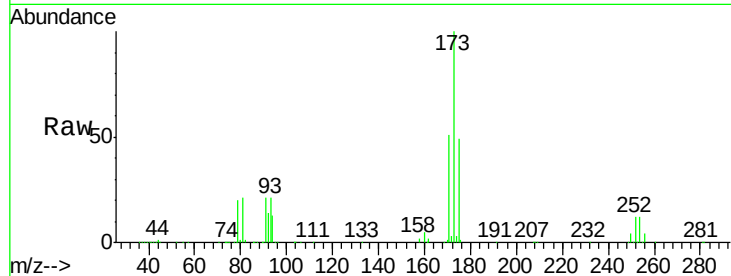
#71
Bromoform
Concen: 53.777 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

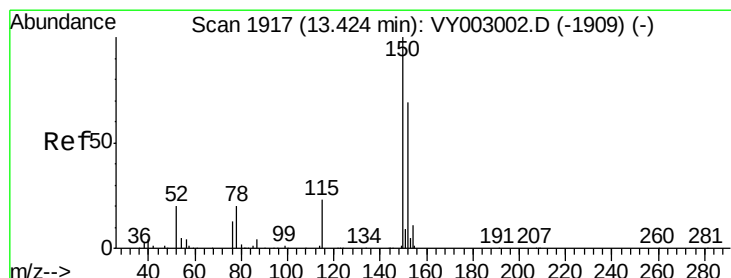
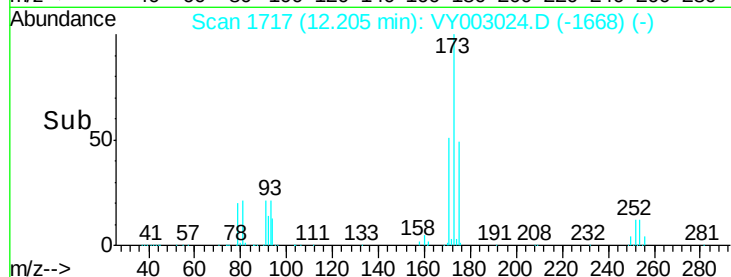
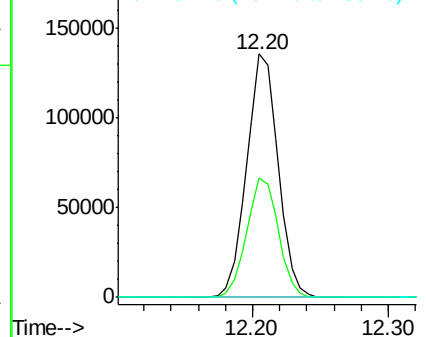
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM

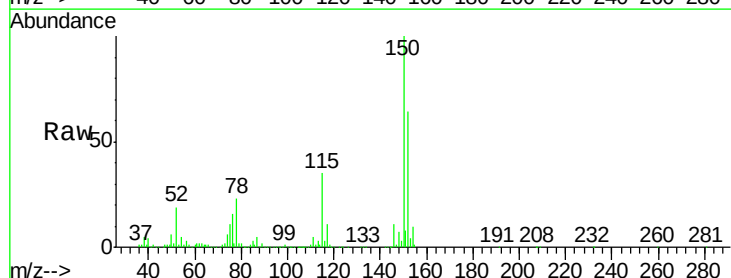


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

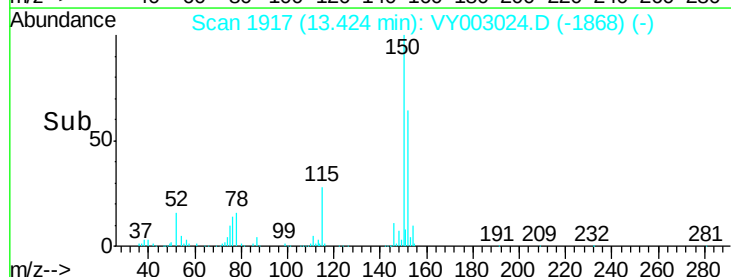
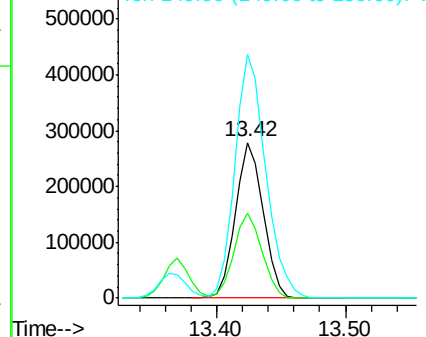


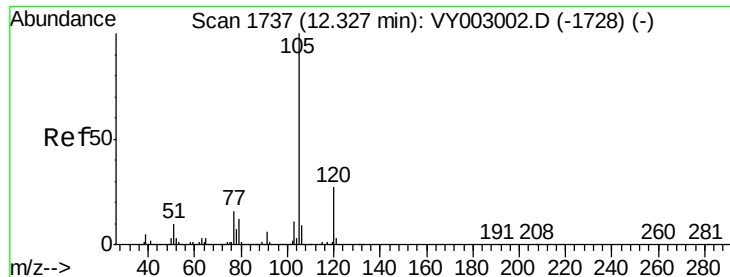
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	173.0	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





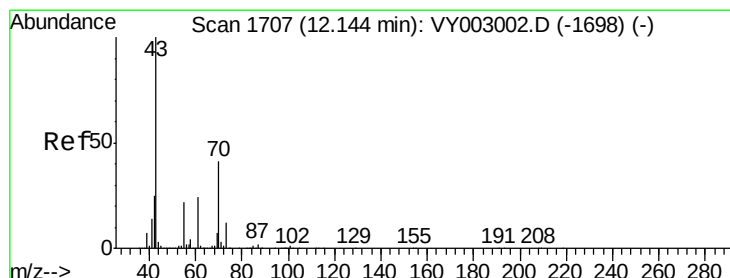
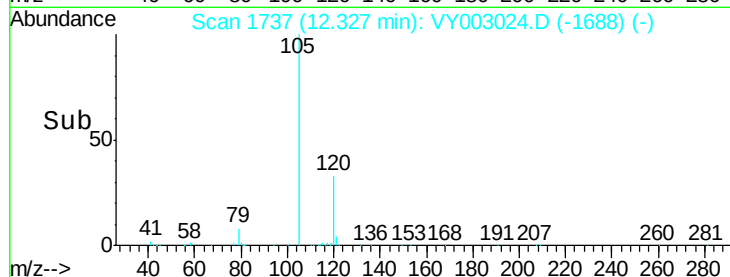
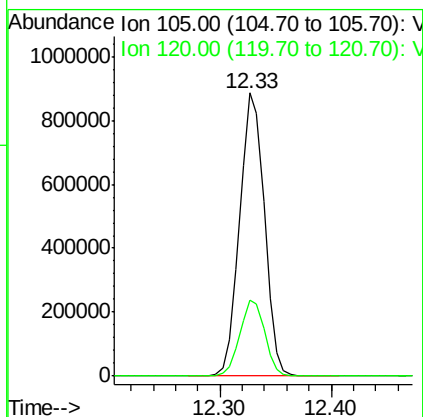
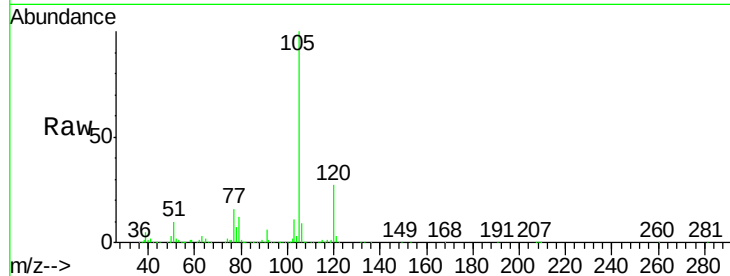
#73
Isopropylbenzene
Concen: 49.732 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1365324
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1

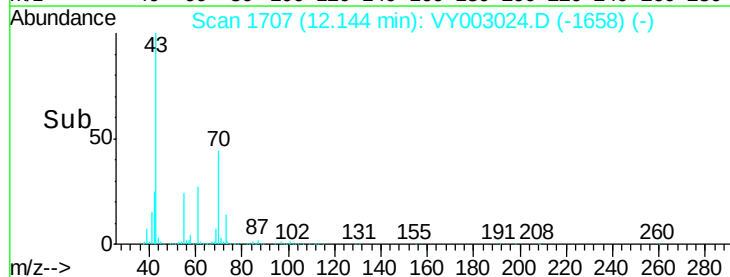
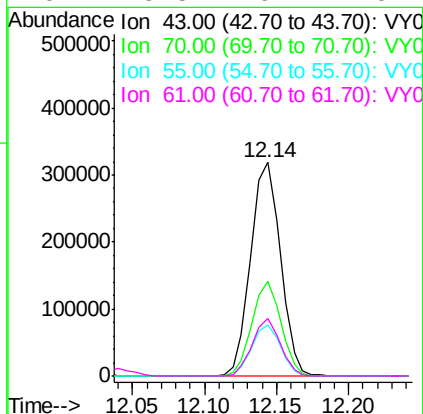
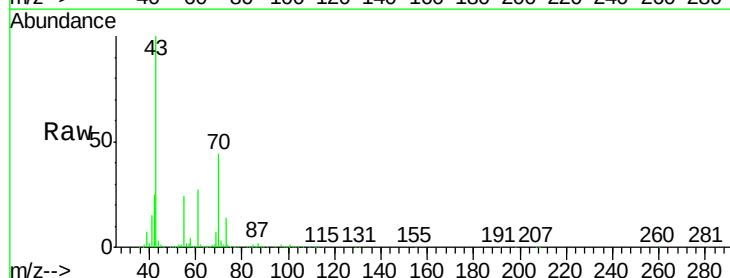
Manual Integrations
APPROVED

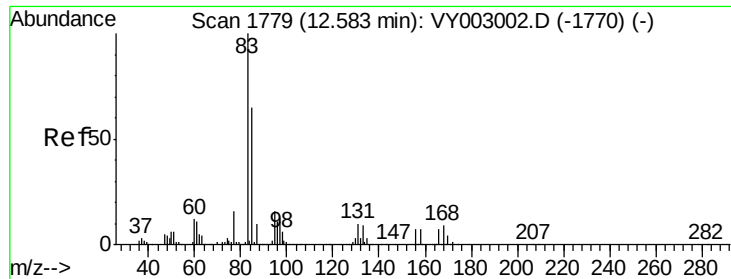
MMDadoda
6/30/2020 12:55:23 PM



#74
N-ethyl acetate
Concen: 50.857 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 43 Resp: 454534
Ion Ratio Lower Upper
43 100
70 43.0 33.0 49.4
55 23.6 18.2 27.2
61 25.5 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.057 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

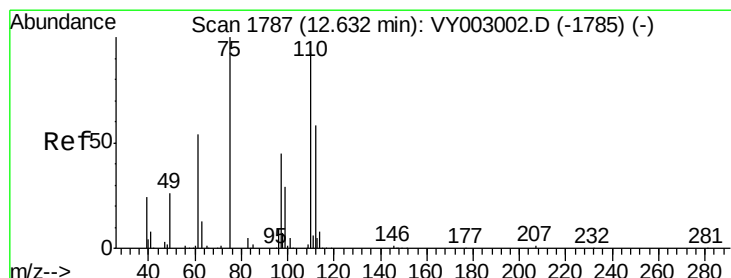
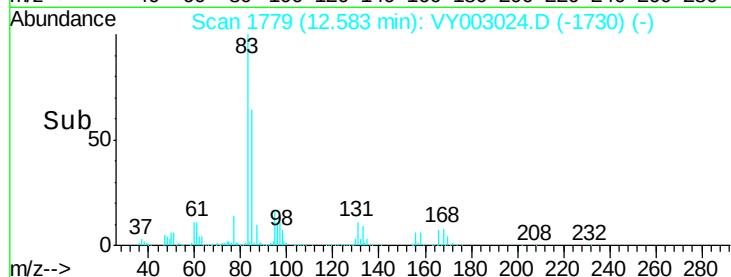
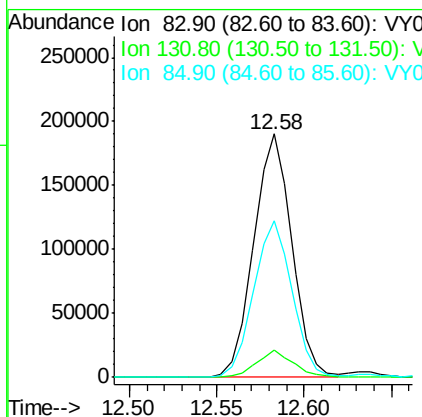
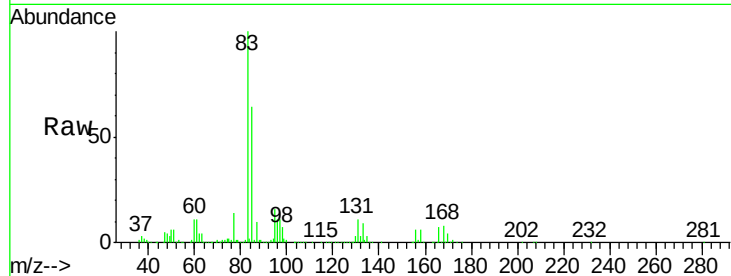
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	288410
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	64.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#76

1,2,3-Trichloropropane

Concen: 53.314 ug/l m

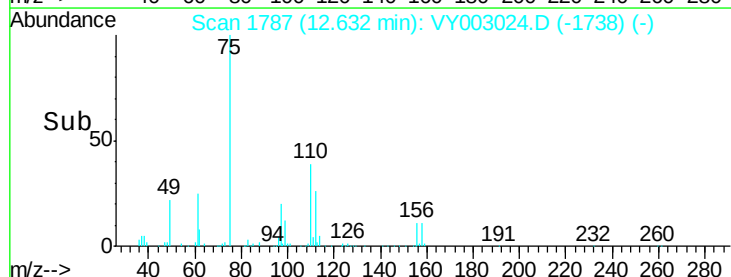
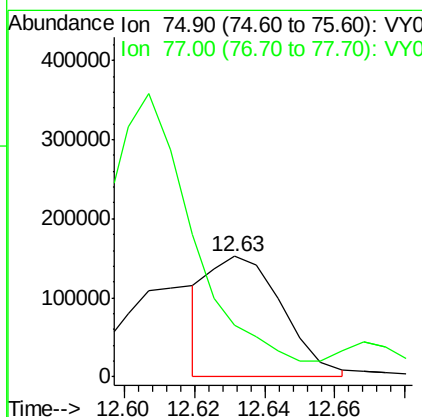
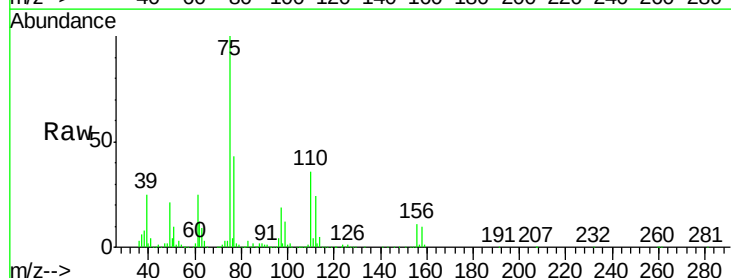
RT: 12.63 min Scan# 1787

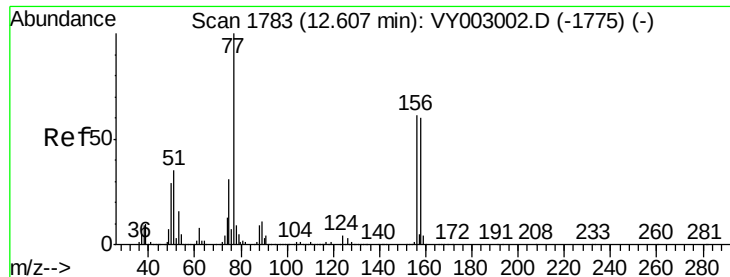
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	75	Resp:	221341
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.523 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

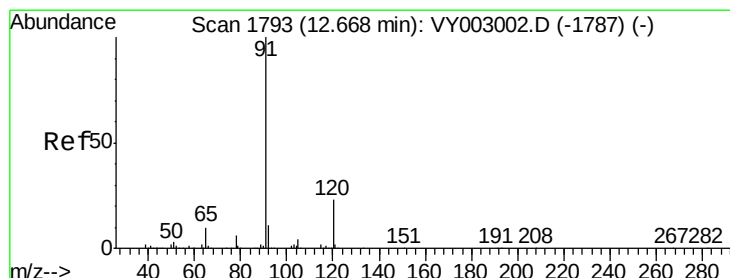
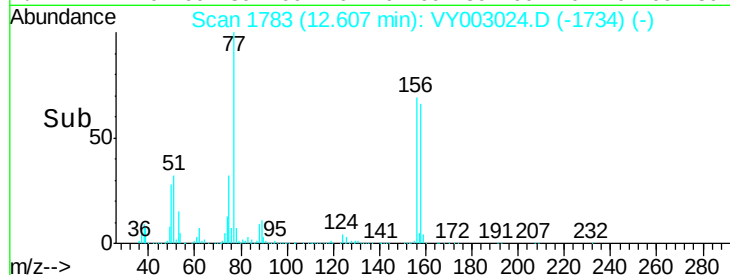
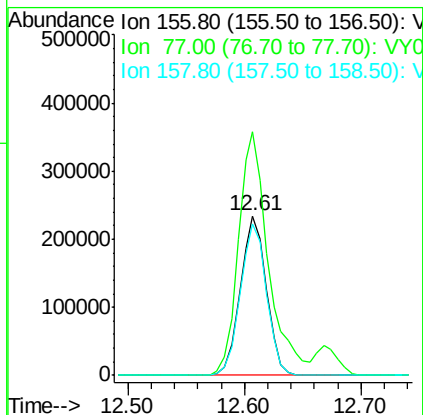
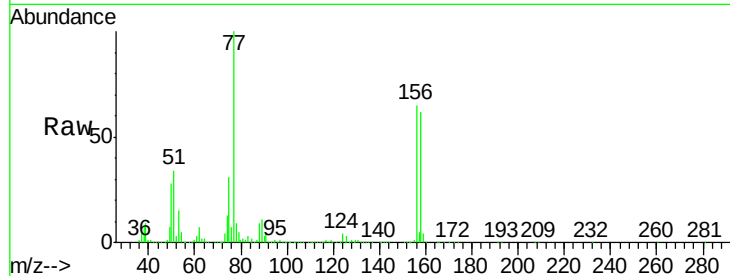
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	362679
Ion Ratio	Lower	Upper	
156	100		
77	176.4	90.0	270.0
158	96.3	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#78

n-propylbenzene

Concen: 48.787 ug/l

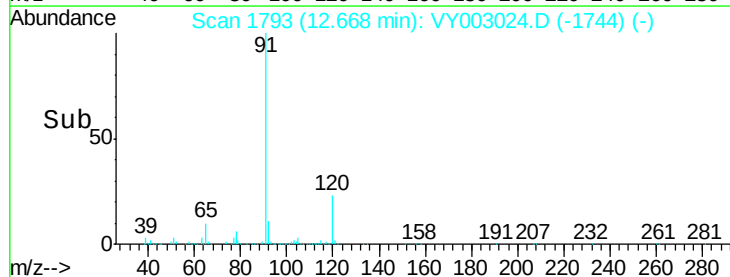
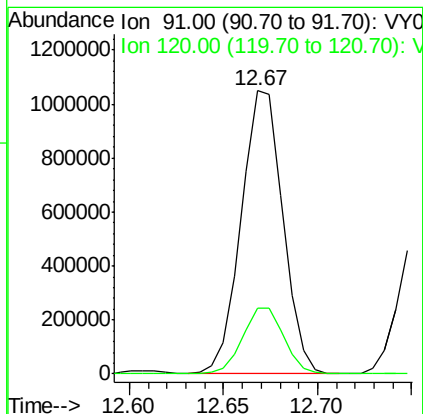
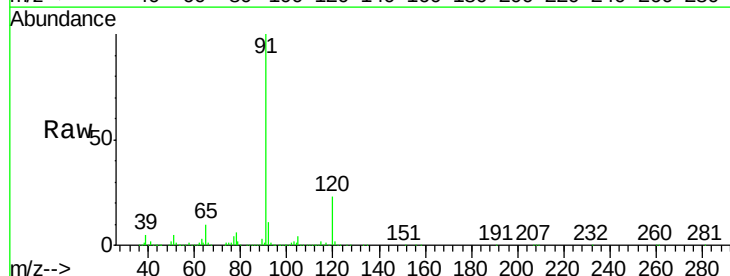
RT: 12.67 min Scan# 1793

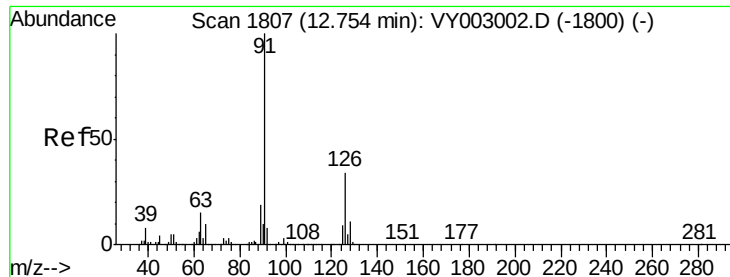
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion:	91	Resp:	1610797
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





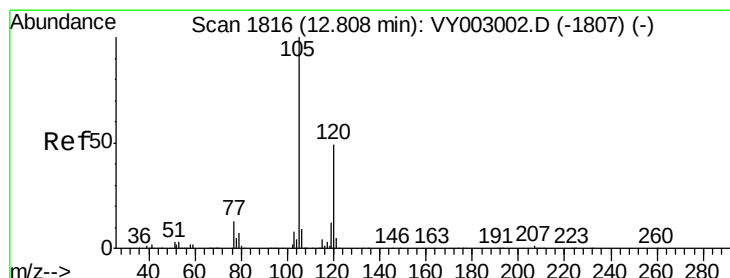
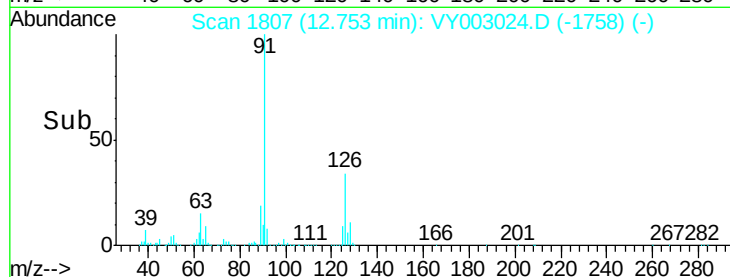
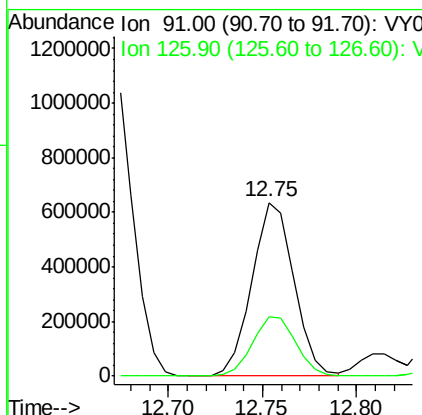
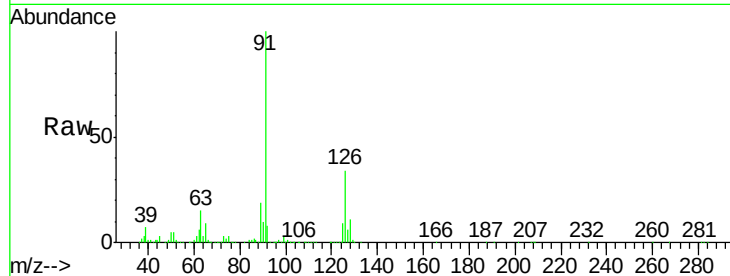
#79
 2-Chlorotoluene
 Concen: 53.530 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.1	51.3

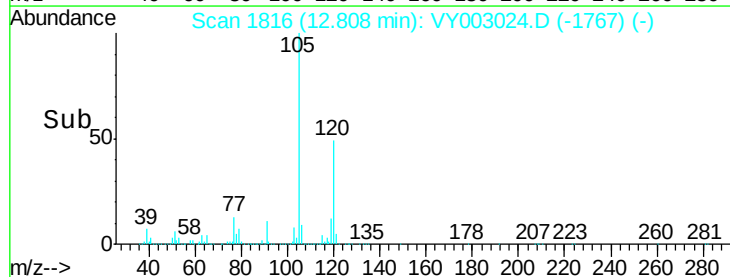
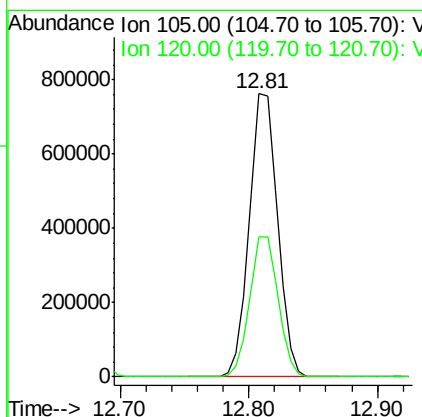
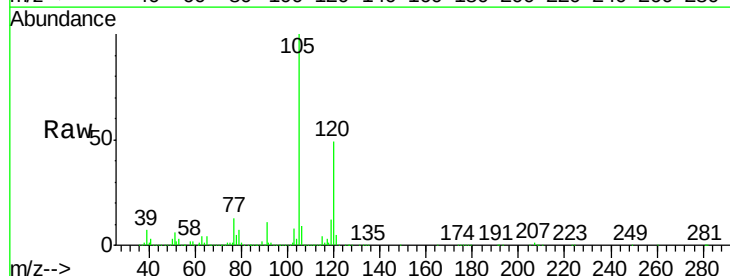
Manual Integrations
 APPROVED

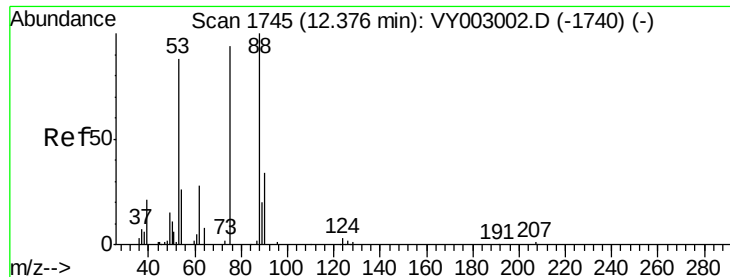
MMDadoda
 6/30/2020 12:55:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.930 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.6	73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.678 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 110275

Ion Ratio Lower Upper

75 100

53 87.7 73.9 110.9

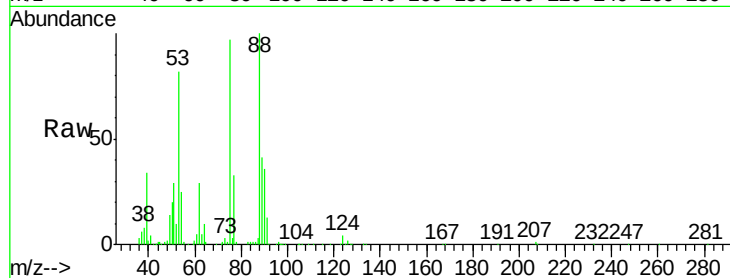
89 44.3 37.5 56.3

Manual Integrations

APPROVED

MMDadoda

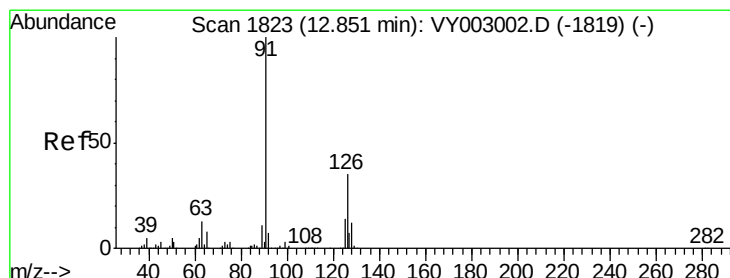
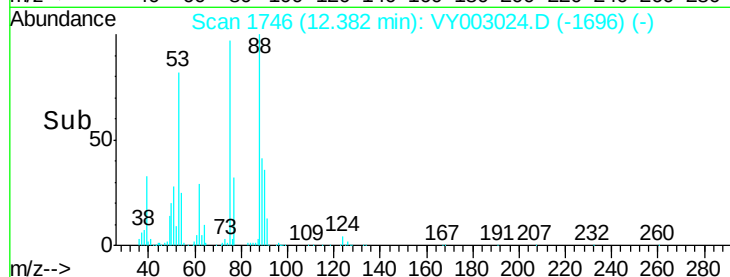
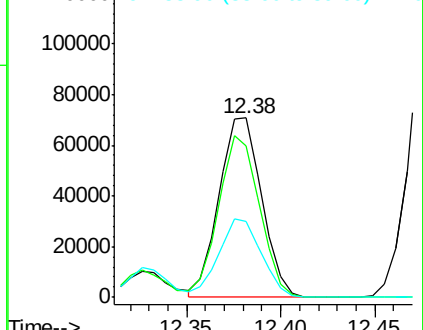
6/30/2020 12:55:23 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 52.706 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003024.D

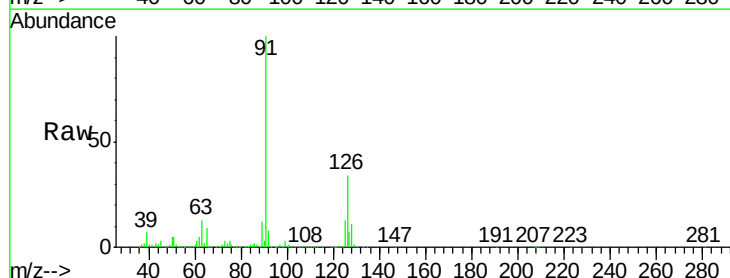
Acq: 29 Jun 2020 22:20

Tgt Ion: 91 Resp: 1011310

Ion Ratio Lower Upper

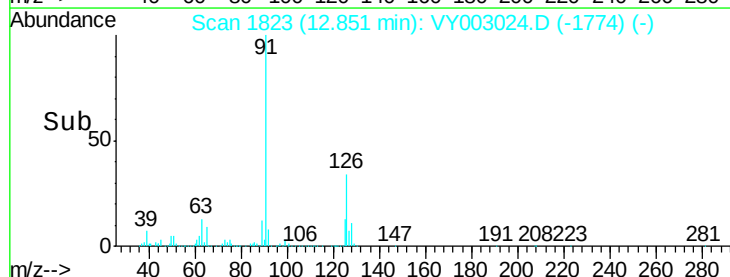
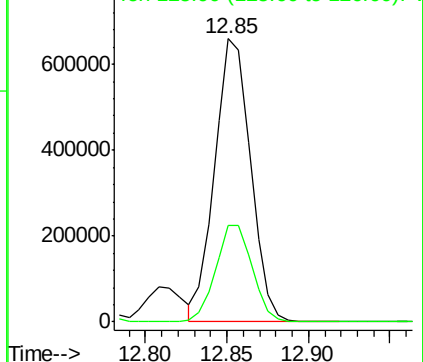
91 100

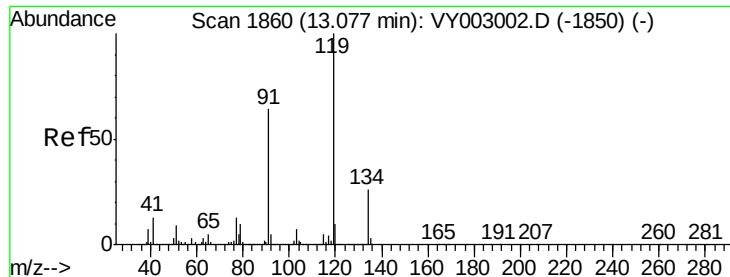
126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.981 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1011067

Ion Ratio Lower Upper

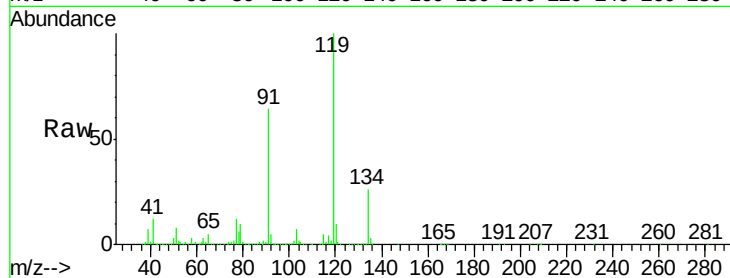
119 100

91 62.9 31.6 95.0

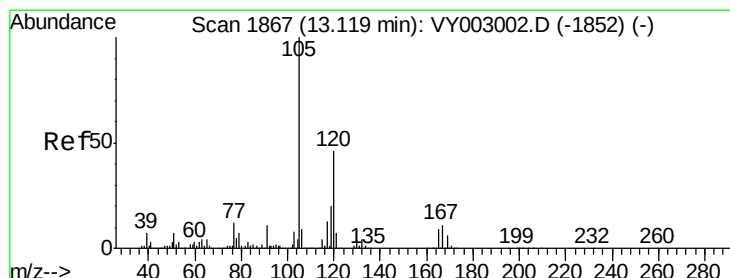
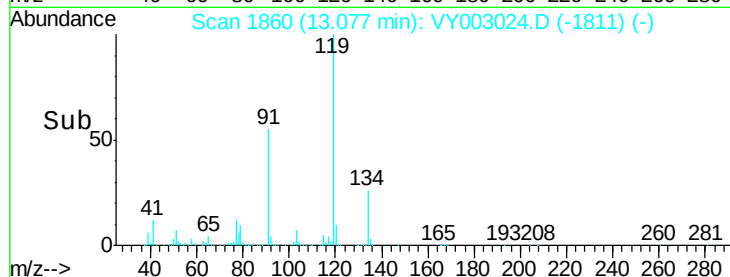
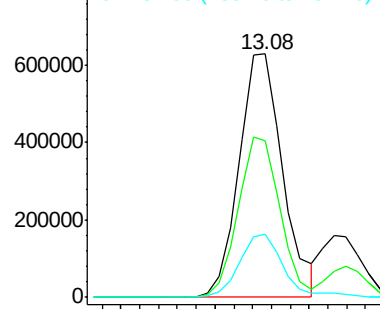
134 26.4 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.892 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003024.D

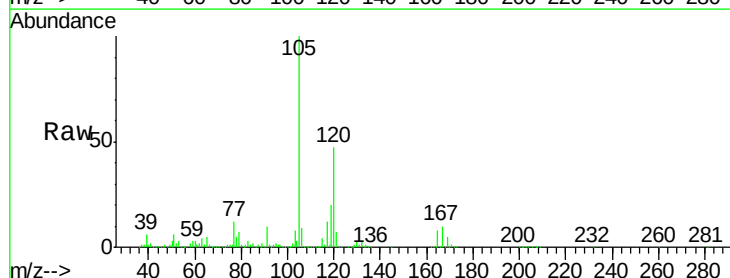
Acq: 29 Jun 2020 22:20

Tgt Ion:105 Resp: 1158208

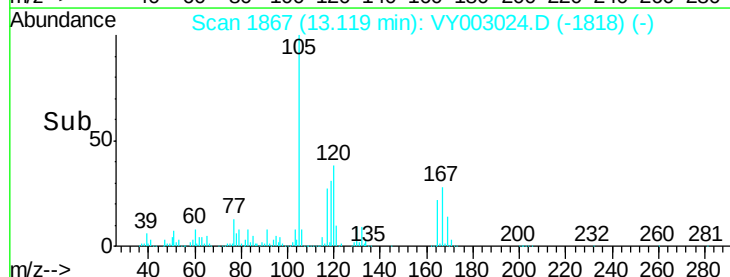
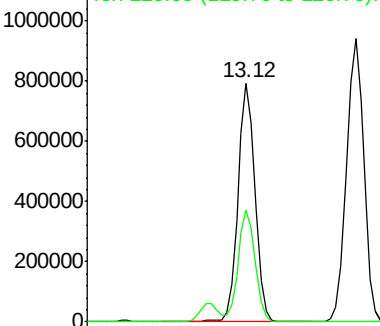
Ion Ratio Lower Upper

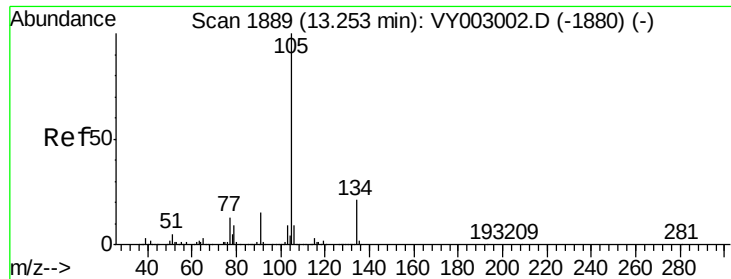
105 100

120 45.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.267 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1373682

Ion Ratio Lower Upper

105 100

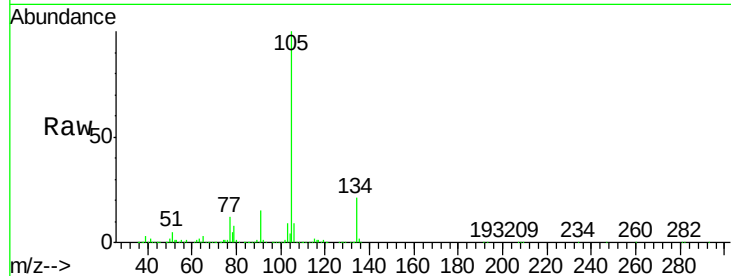
134 20.8 10.4 31.2

Manual Integrations

APPROVED

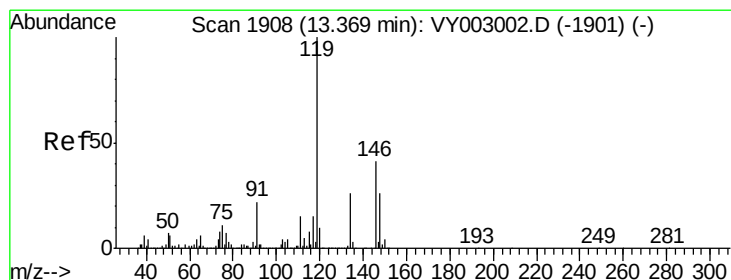
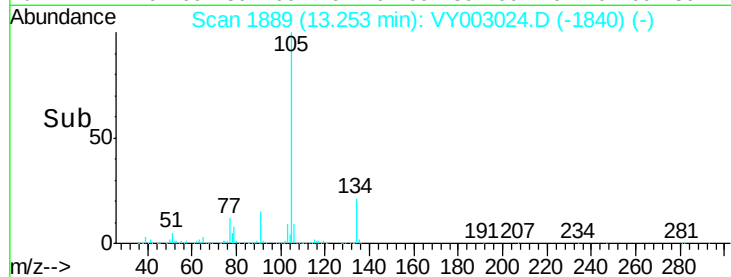
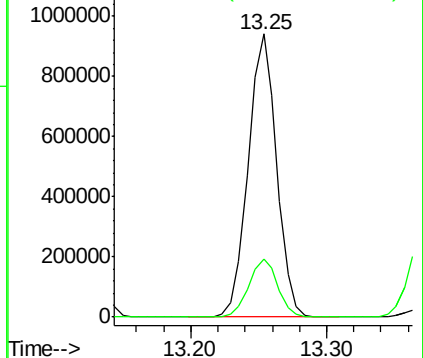
MMDadoda

6/30/2020 12:55:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.485 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

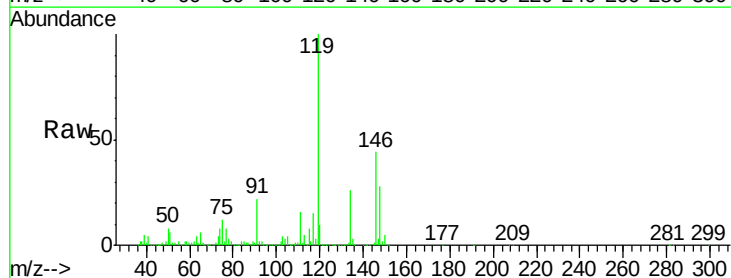
Tgt Ion:119 Resp: 1278506

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

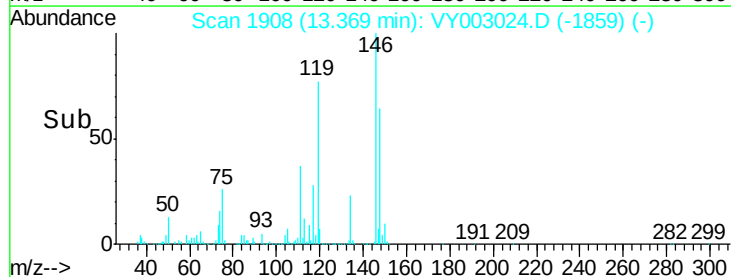
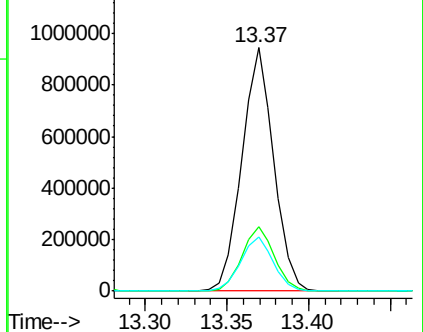
91 22.7 11.5 34.5

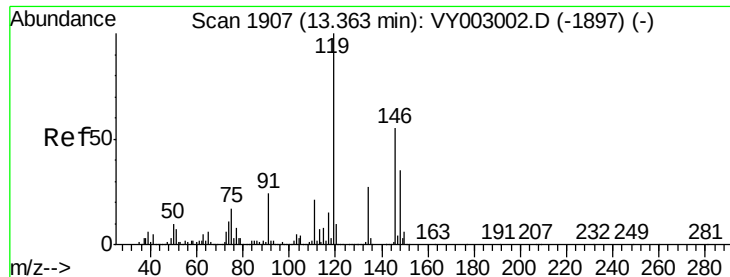


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 50.354 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

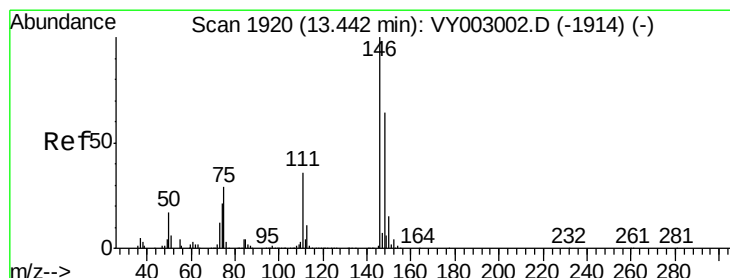
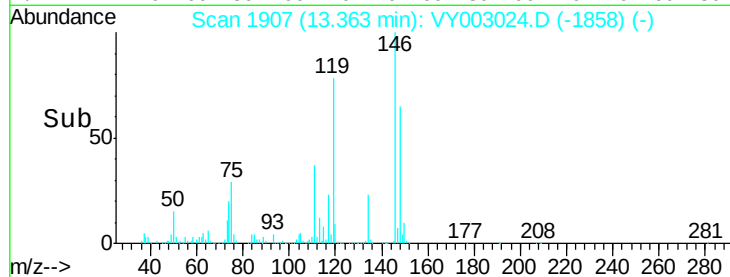
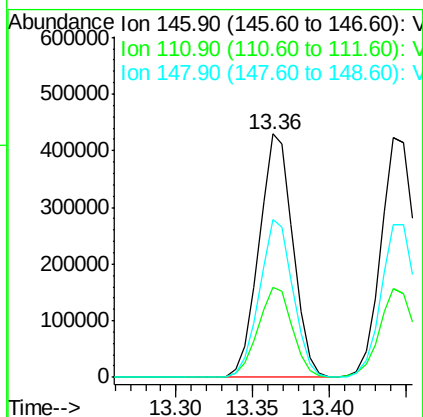
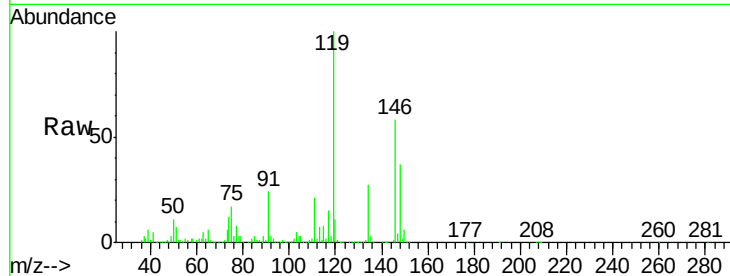
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	661741		
111	37.4	18.8	56.3	
148	64.3	31.8	95.3	

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#88

1,4-Dichlorobenzene

Concen: 50.748 ug/l

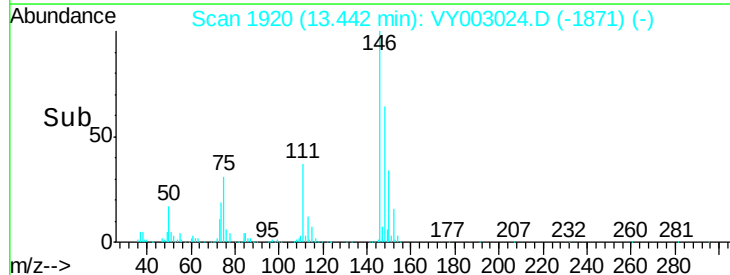
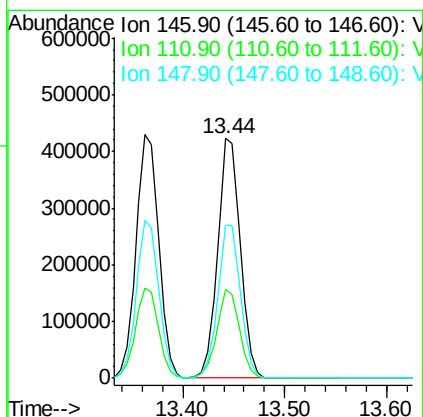
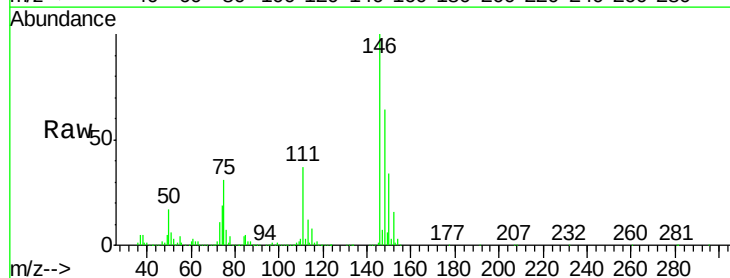
RT: 13.44 min Scan# 1920

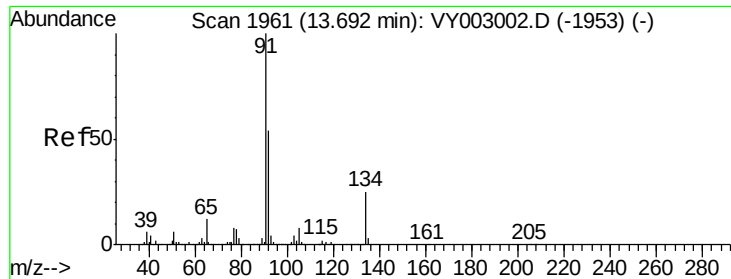
Delta R.T. -0.00 min

Lab File: VY003024.D

Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	657639		
111	37.0	18.4	55.4	
148	64.2	32.3	96.9	





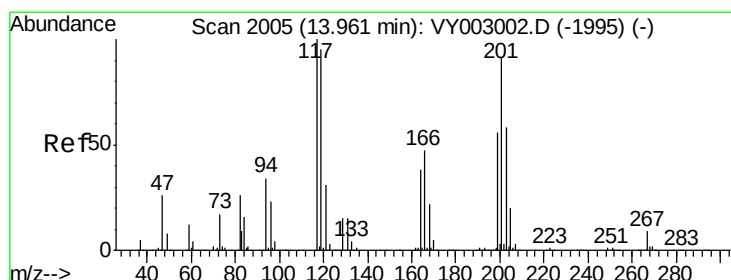
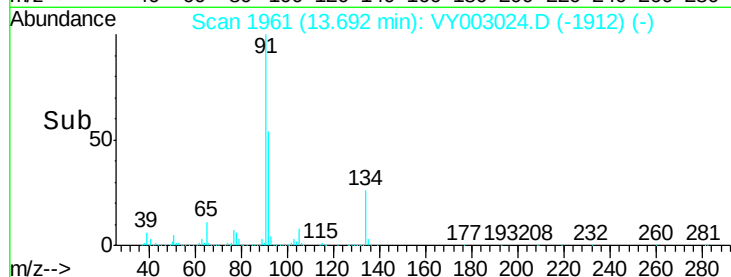
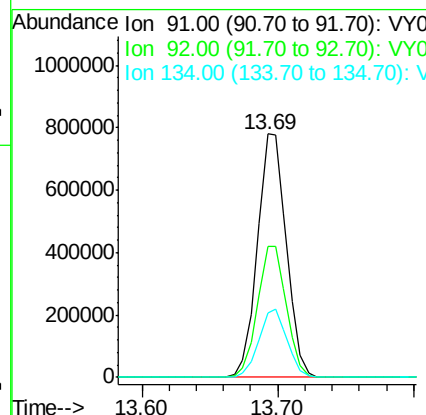
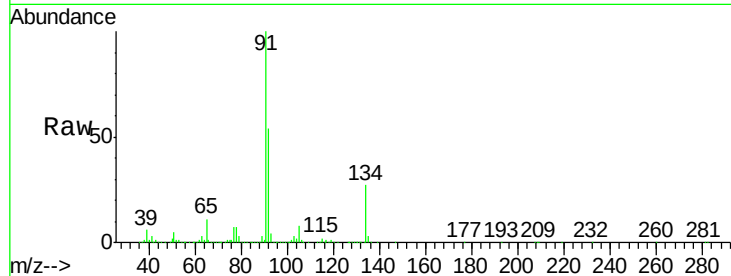
#89
n-Butylbenzene
Concen: 47.054 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	27.1	13.1	39.1

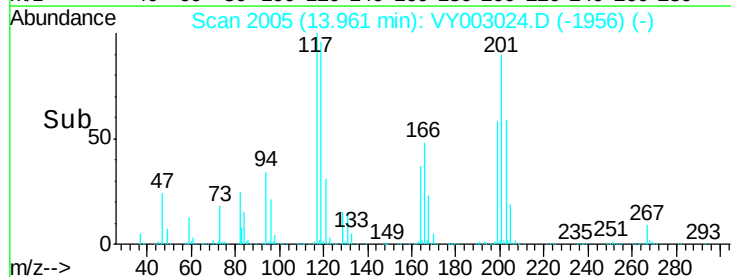
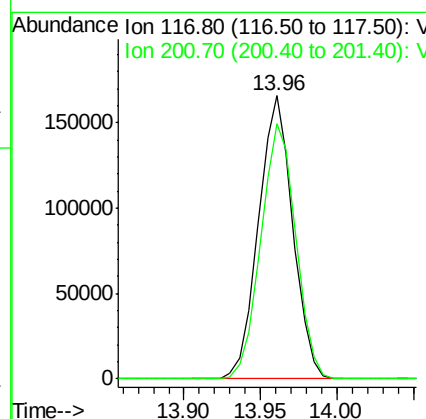
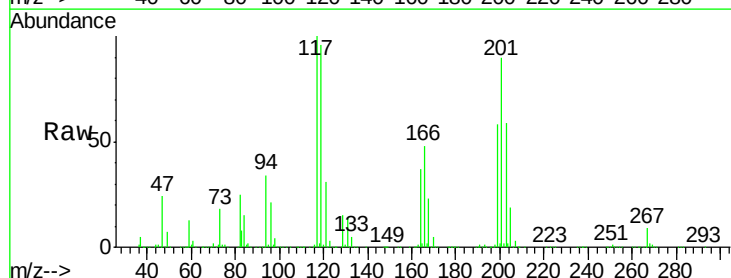
Manual Integrations
APPROVED

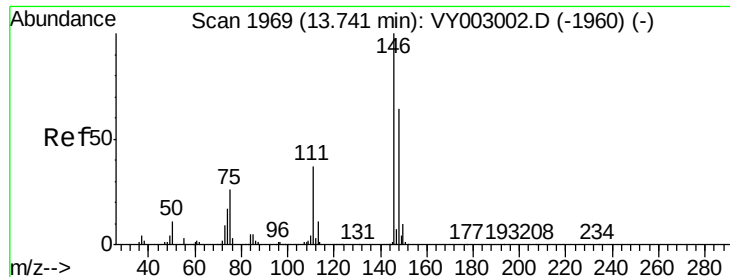
MMDadoda
6/30/2020 12:55:23 PM



#90
Hexachloroethane
Concen: 50.365 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	45.5	136.4





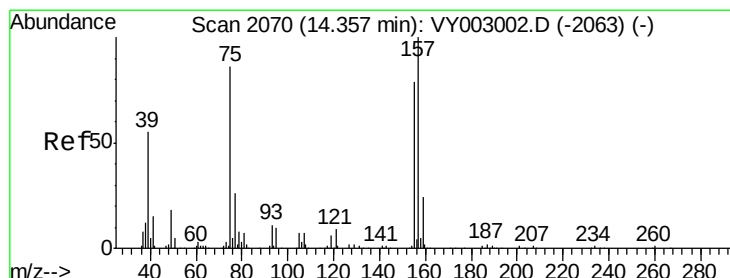
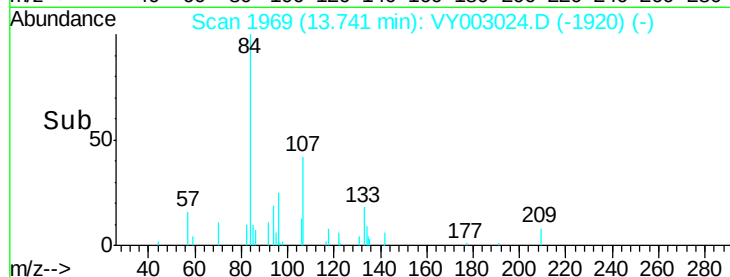
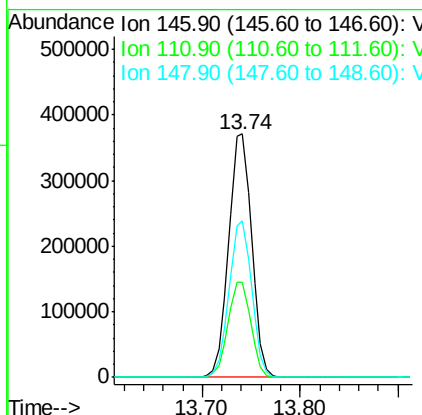
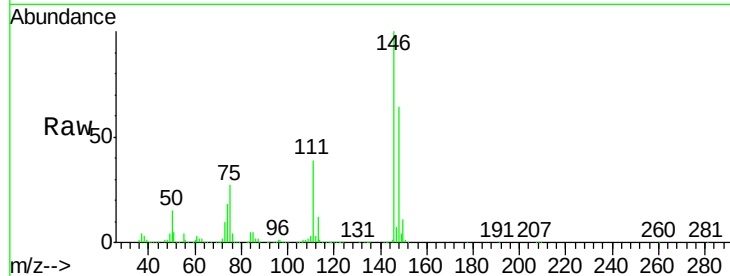
#91
 1,2-Dichlorobenzene
 Concen: 51.341 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.5
148	63.3	31.8	95.3

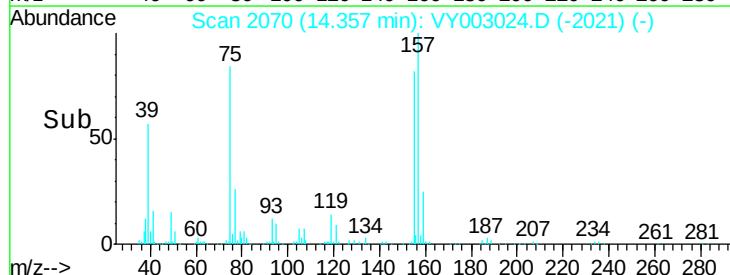
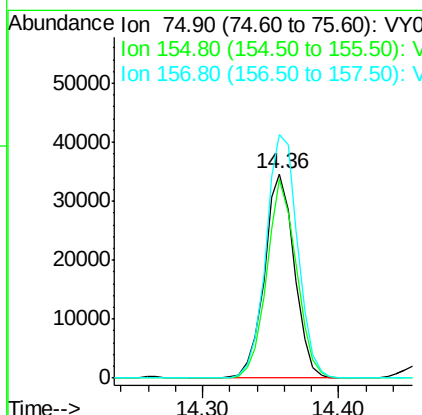
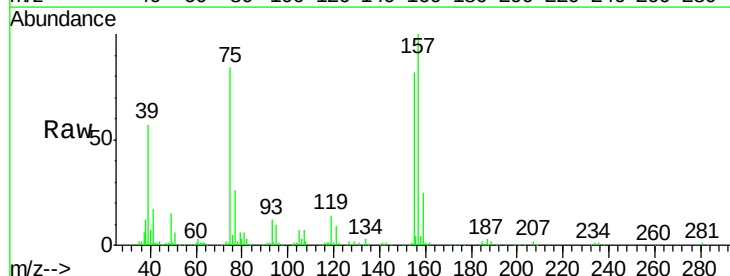
Manual Integrations
 APPROVED

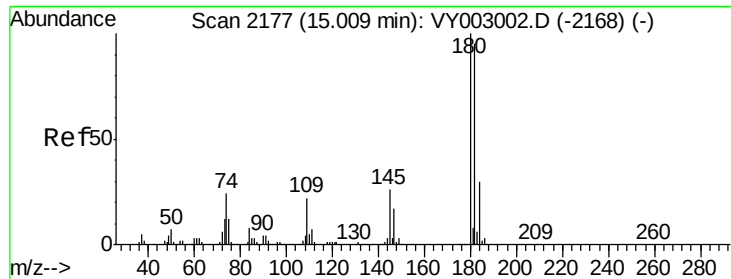
MMDadoda
 6/30/2020 12:55:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.856 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	46.5	139.3
157	125.3	59.2	177.5





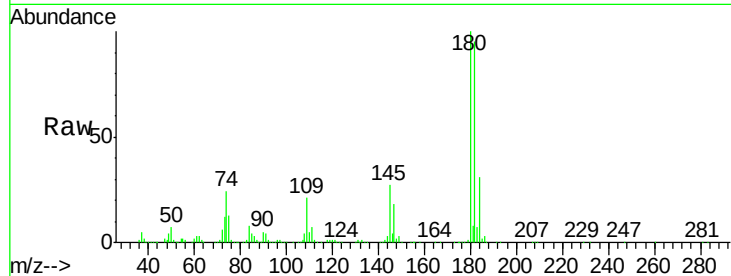
#93
 1,2,4-Trichlorobenzene
 Concen: 51.146 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

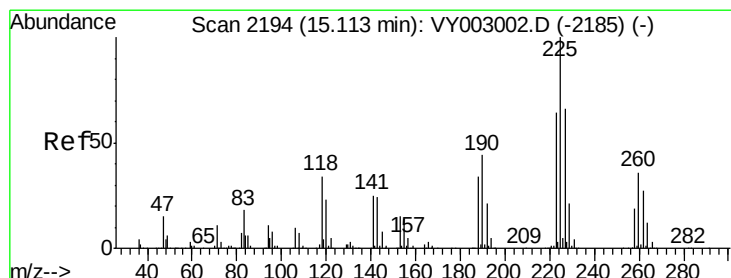
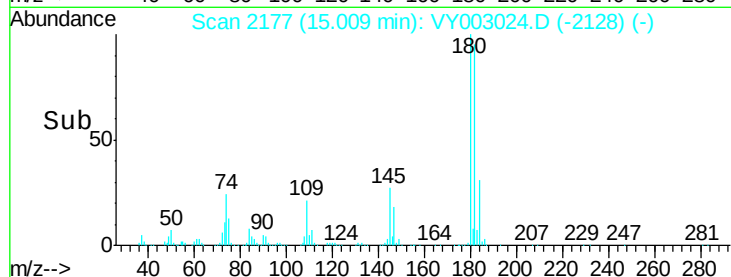
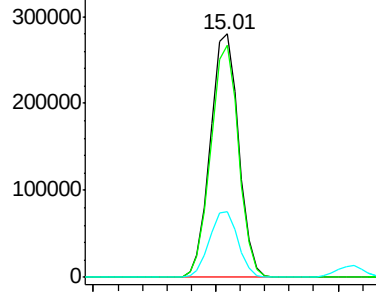
Tot Ion	Ratio	Resp	Lower	Upper
180	100	448115		
182	94.0	48.1	144.3	
145	27.4	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:55:23 PM

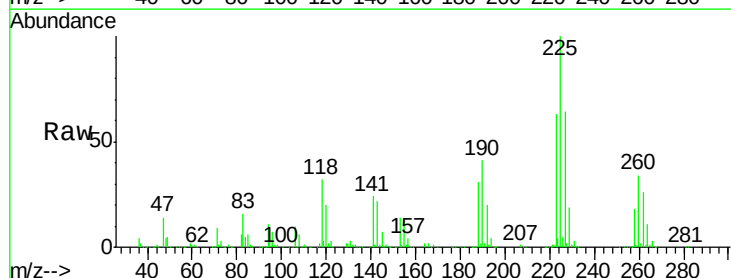


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

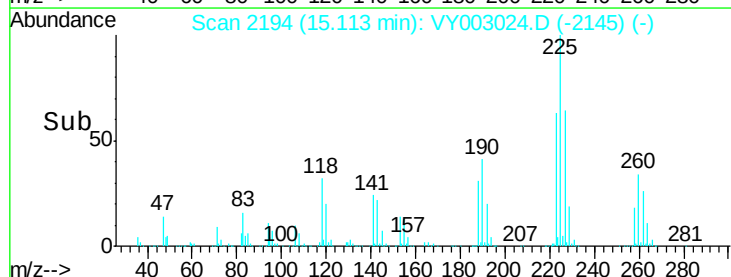
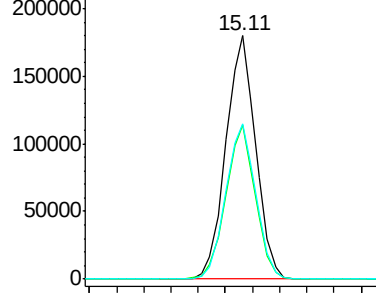


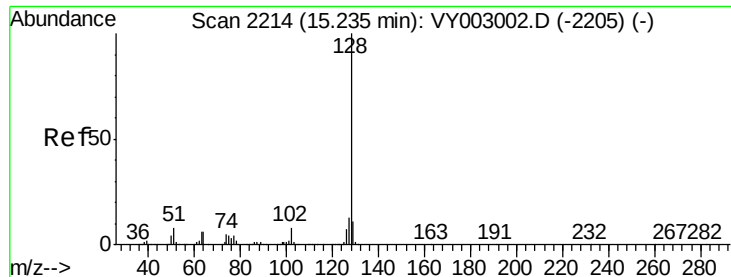
#94
 Hexachlorobutadiene
 Concen: 50.093 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003024.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	276838		
223	62.6	32.4	97.0	
227	64.1	32.4	97.2	



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





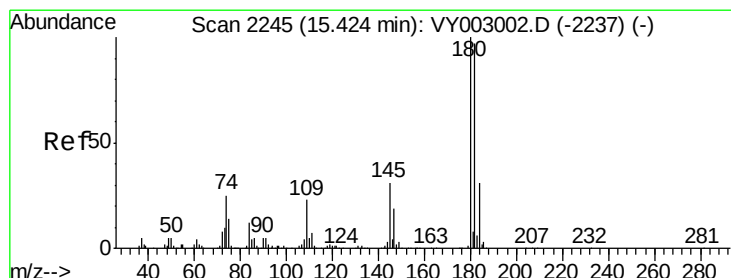
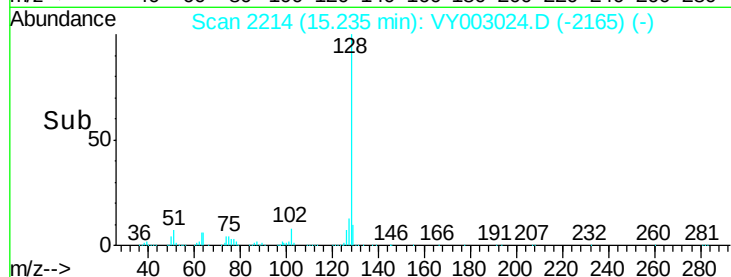
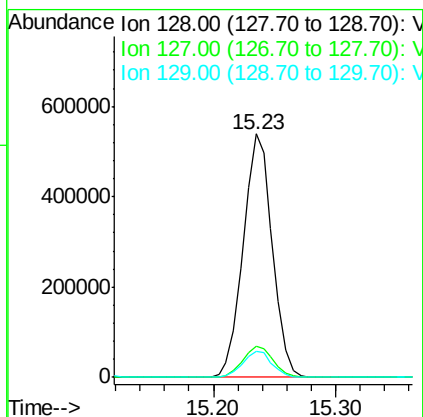
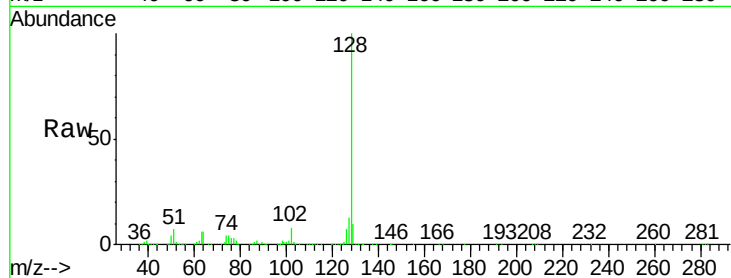
#95
Naphthalene
Concen: 55.441 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:55:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.274 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003024.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	29.6	14.7	44.1

