

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001866.D
 Acq On : 04 Mar 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:30 PM

Quant Time: Mar 05 05:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90432	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.74	113	81843	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.19	98	342489	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.49	95	121971	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	67061	47.049	ug/l	98
3) Chloromethane	2.13	50	94255	49.048	ug/l	100
4) Vinyl Chloride	2.26	62	95913	49.069	ug/l	99
5) Bromomethane	2.66	94	65722	58.570	ug/l	96
6) Chloroethane	2.81	64	63042	51.342	ug/l	96
7) Trichlorofluoromethane	3.15	101	130246	49.132	ug/l	95
8) Diethyl Ether	3.55	74	56355	53.938	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	84027	49.282	ug/l	99
10) Methyl Iodide	4.12	142	96031	48.703	ug/l	99
11) Tert butyl alcohol	4.99	59	52526	311.772	ug/l	99
12) 1,1-Dichloroethene	3.90	96	85168	49.609	ug/l	97
13) Acrolein	3.75	56	61122	263.859	ug/l	96
14) Allyl chloride	4.50	41	159233	52.319	ug/l	99
15) Acrylonitrile	5.20	53	158922	284.650	ug/l	99
16) Acetone	3.97	43	123017	256.217	ug/l	96
17) Carbon Disulfide	4.22	76	285219	49.421	ug/l	99
18) Methyl Acetate	4.50	43	70066	56.796	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	254724	54.752	ug/l	98
20) Methylene Chloride	4.75	84	103824	50.455	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	99245	50.931	ug/l	96
22) Diisopropyl ether	6.15	45	337164	54.044	ug/l	98
23) Vinyl Acetate	6.10	43	1162731	284.294	ug/l	98
24) 1,1-Dichloroethane	6.05	63	173472	51.347	ug/l	97
25) 2-Butanone	7.02	43	207394	284.046	ug/l	99
26) 2,2-Dichloropropane	7.01	77	136089	49.078	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	110342	52.057	ug/l	100
28) Bromochloromethane	7.36	49	86537	56.827	ug/l	98
29) Tetrahydrofuran	7.38	42	141917	292.696	ug/l	99
30) Chloroform	7.53	83	165176	52.038	ug/l	97
31) Cyclohexane	7.81	56	174280	48.111	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	135587	50.681	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135410	48.651	ug/l	99
37) Ethyl Acetate	7.10	43	92097	56.932	ug/l	99
38) Carbon Tetrachloride	7.92	117	116615	49.046	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001866.D
 Acq On : 04 Mar 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:30 PM

Quant Time: Mar 05 05:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	180093	48.785	ug/l	97
40) Benzene	8.18	78	414667	50.264	ug/l	99
41) Methacrylonitrile	7.34	41	43671m	59.987	ug/l	
42) 1,2-Dichloroethane	8.26	62	111888	52.633	ug/l	99
43) Isopropyl Acetate	8.29	43	170731	55.745	ug/l	98
44) Trichloroethene	8.96	130	98711	49.130	ug/l	99
45) 1,2-Dichloropropane	9.24	63	107121	51.654	ug/l	100
46) Dibromomethane	9.32	93	57389	53.700	ug/l	97
47) Bromodichloromethane	9.52	83	129956	52.275	ug/l	99
48) Methyl methacrylate	9.31	41	76113	56.006	ug/l	97
49) 1,4-Dioxane	9.31	88	17113	1168.616	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	450824	285.783	ug/l	100
52) Toluene	10.26	92	255554	50.993	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	145903	53.869	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	167882	52.068	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	83206	53.200	ug/l	97
56) Ethyl methacrylate	10.52	69	127199	55.485	ug/l	97
57) 1,3-Dichloropropane	10.80	76	147411	52.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	209899	263.673	ug/l	99
59) 2-Hexanone	10.85	43	316790	281.354	ug/l	100
60) Dibromochloromethane	11.00	129	87897	53.334	ug/l	99
61) 1,2-Dibromoethane	11.10	107	79261	53.500	ug/l	99
64) Tetrachloroethene	10.73	164	80367	48.256	ug/l	94
65) Chlorobenzene	11.53	112	260877	49.300	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	86763	49.999	ug/l	100
67) Ethyl Benzene	11.60	91	485470	49.192	ug/l	96
68) m/p-Xylenes	11.71	106	360728	98.867	ug/l	100
69) o-Xylene	12.04	106	172026	50.023	ug/l	99
70) Styrene	12.05	104	303267	51.489	ug/l	99
71) Bromoform	12.22	173	51482	54.705	ug/l #	99
73) Isopropylbenzene	12.34	105	458605	49.420	ug/l	100
74) N-amyl acetate	12.15	43	159055	55.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	108641	54.290	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	70510m	48.884	ug/l	
77) Bromobenzene	12.62	156	98781	50.243	ug/l	99
78) n-propylbenzene	12.68	91	565673	49.411	ug/l	100
79) 2-Chlorotoluene	12.77	91	313766	49.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	377357	49.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	38583	54.032	ug/l	98
82) 4-Chlorotoluene	12.86	91	331697	50.367	ug/l	99
83) tert-Butylbenzene	13.08	119	312300	49.219	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	382252	50.420	ug/l	100
85) sec-Butylbenzene	13.27	105	467909	50.030	ug/l	100
86) p-Isopropyltoluene	13.38	119	406526	50.388	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	192337	49.923	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	195303	49.969	ug/l	100
89) n-Butylbenzene	13.70	91	416031	49.703	ug/l	99
90) Hexachloroethane	13.97	117	77637	51.010	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	178912	51.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17362	55.600	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001866.D
 Acq On : 04 Mar 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:30 PM

Quant Time: Mar 05 05:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	112086	49.380	ug/l	98
94) Hexachlorobutadiene	15.12	225	53213	48.085	ug/l	98
95) Naphthalene	15.25	128	283376	52.632	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	101013	50.516	ug/l	99

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

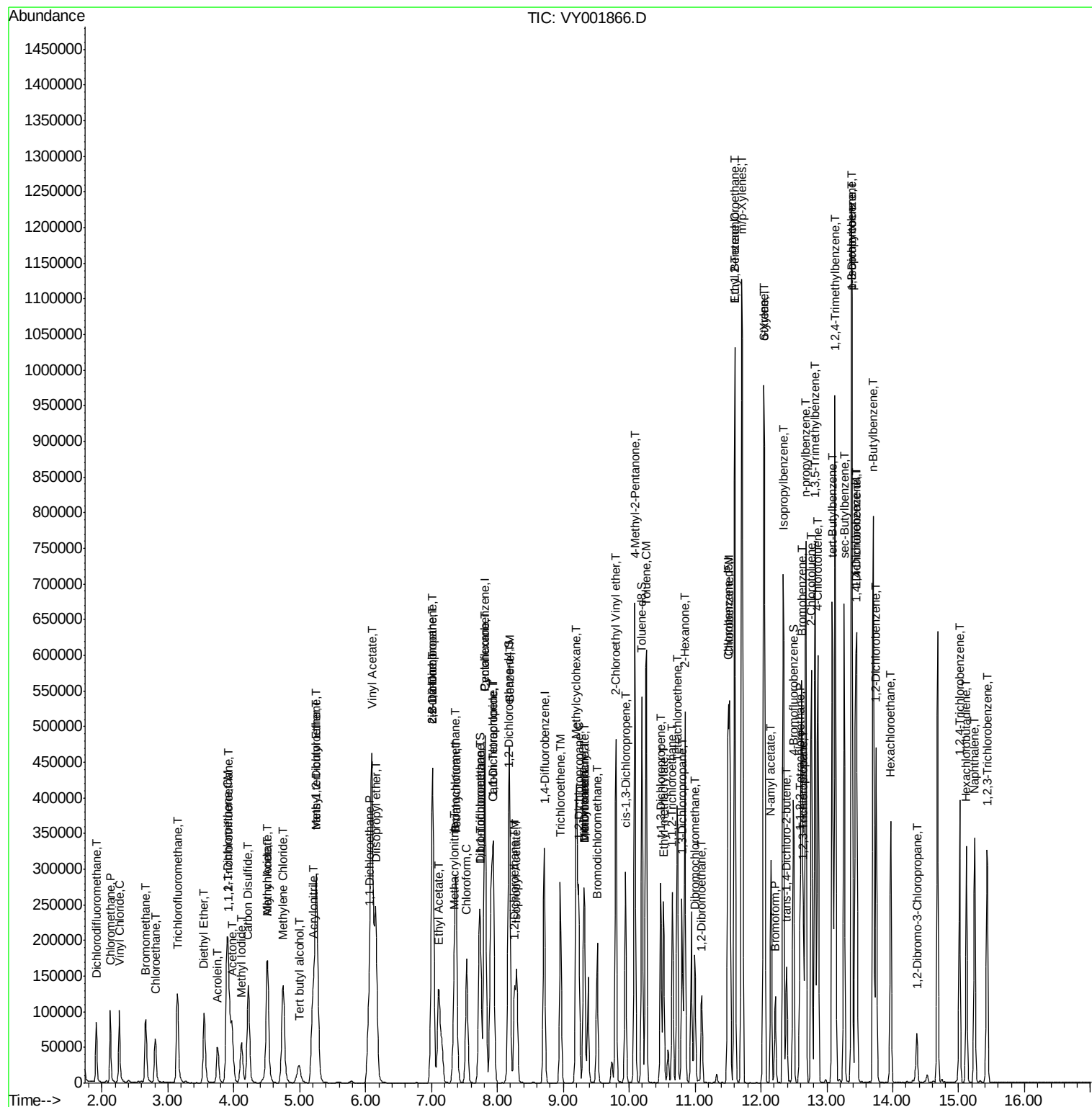
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001866.D
 Acq On : 04 Mar 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

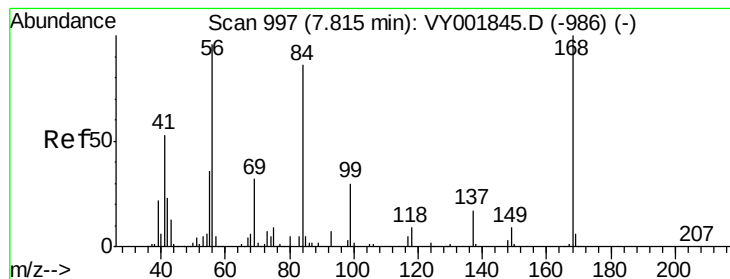
Instrument :
 MSVOA_Y
 Client Sample ID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:30 PM

Quant Time: Mar 05 05:42:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 154412

Ion Ratio Lower Upper

168 100

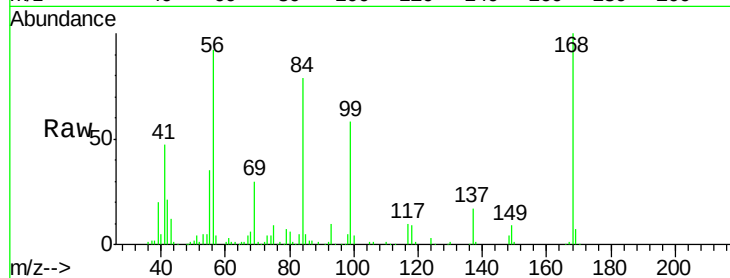
99 58.4 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

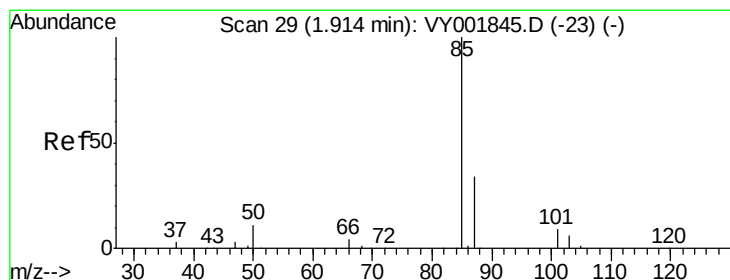
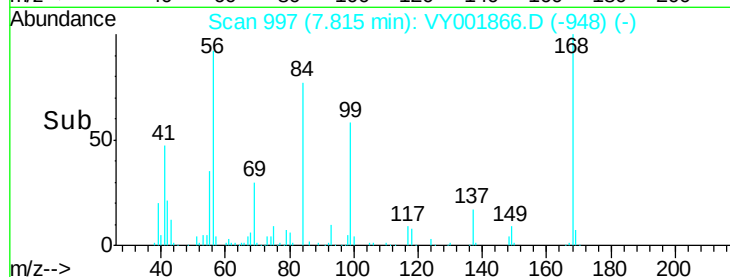
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 47.049 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001866.D

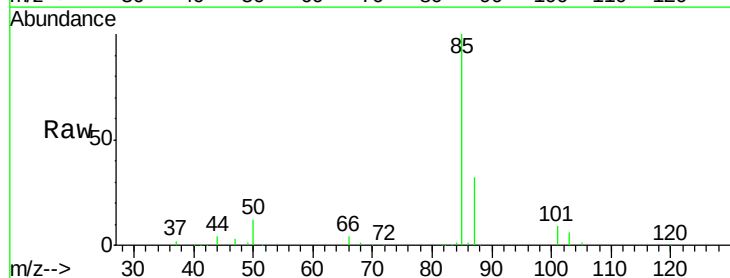
Acq: 04 Mar 2020 19:55

Tgt Ion: 85 Resp: 67061

Ion Ratio Lower Upper

85 100

87 32.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

50000

40000

30000

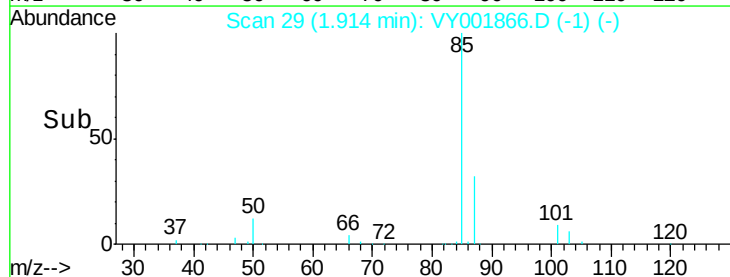
20000

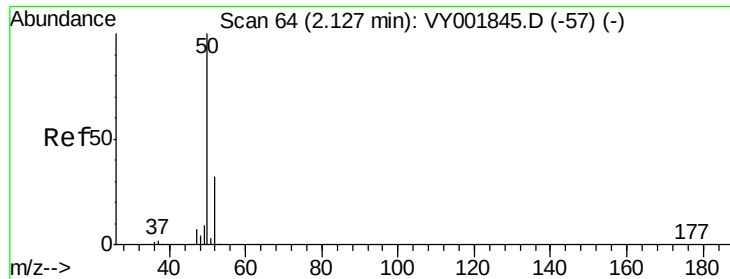
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.048 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94255

Ion Ratio Lower Upper

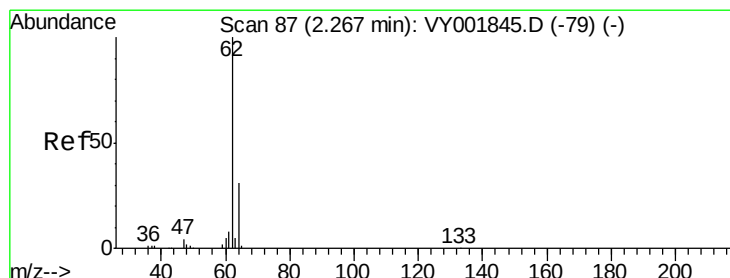
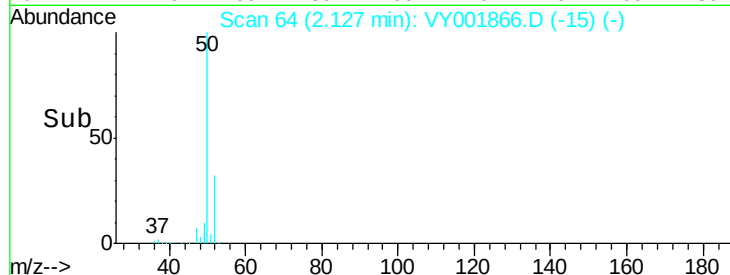
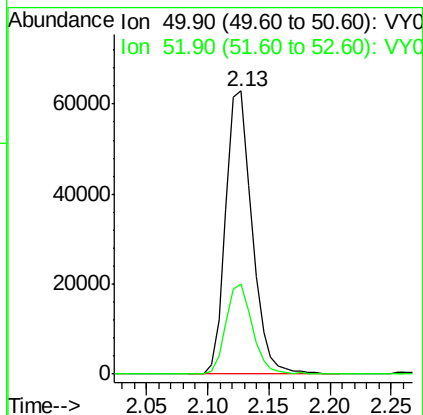
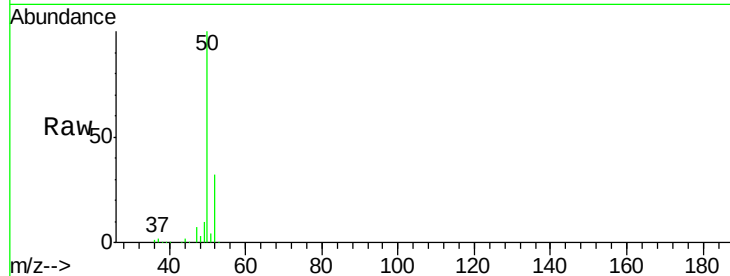
50 100

52 32.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#4

Vinyl Chloride

Concen: 49.069 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001866.D

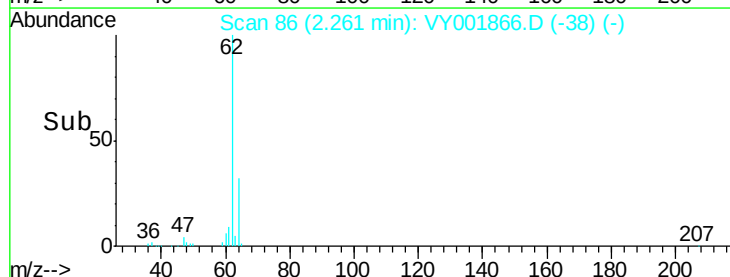
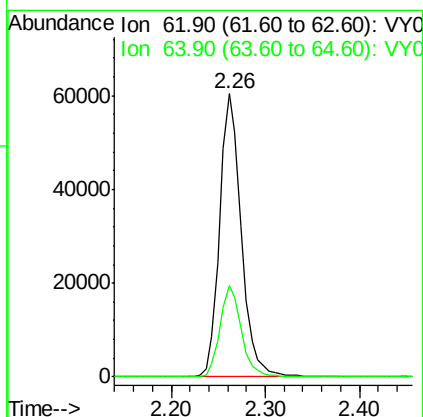
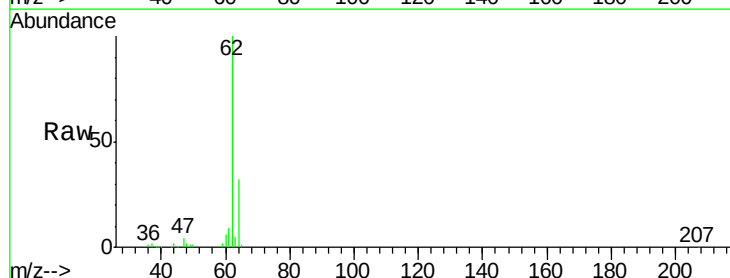
Acq: 04 Mar 2020 19:55

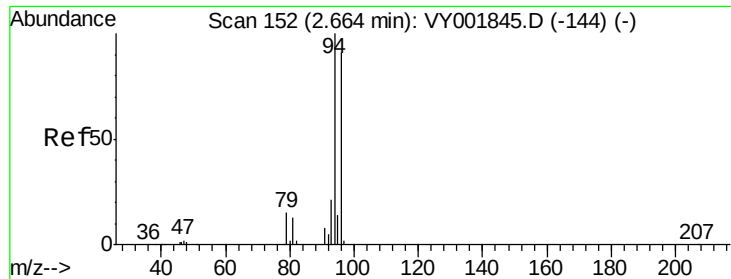
Tgt Ion: 62 Resp: 95913

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7





#5

Bromomethane

Concen: 58.570 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65722

Ion Ratio Lower Upper

94 100

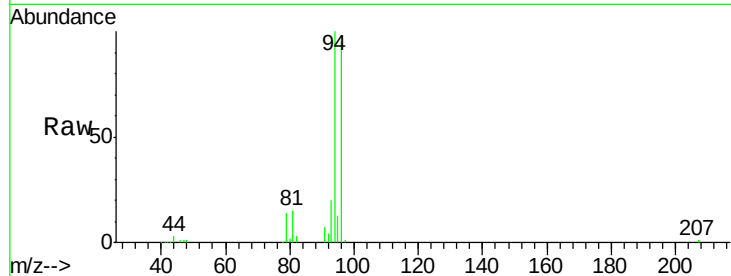
96 95.0 73.2 109.8

Manual Integrations

APPROVED

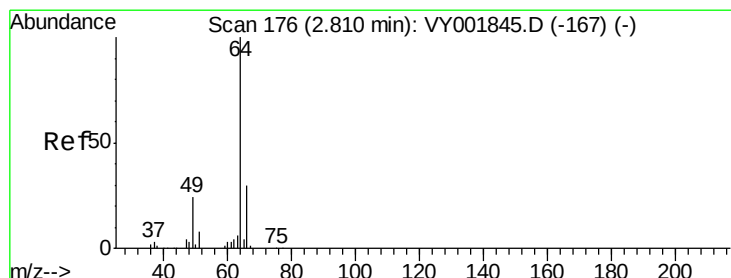
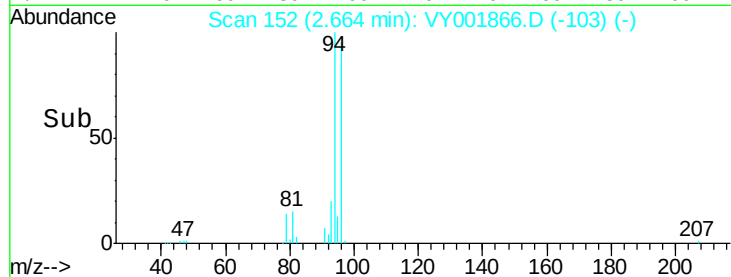
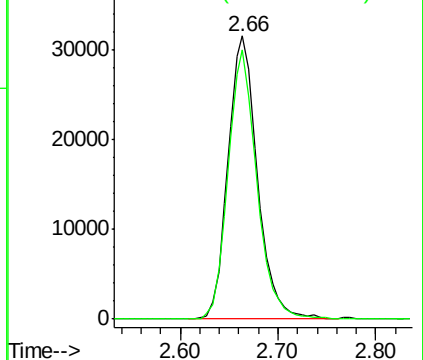
MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.342 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001866.D

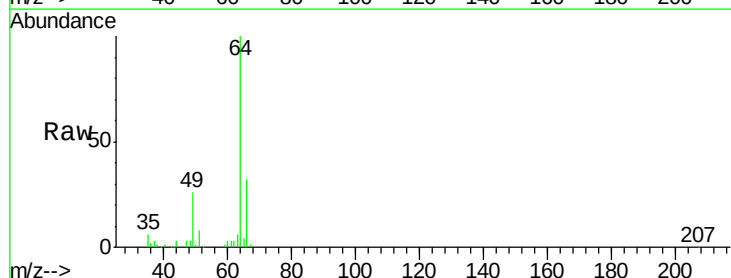
Acq: 04 Mar 2020 19:55

Tgt Ion: 64 Resp: 63042

Ion Ratio Lower Upper

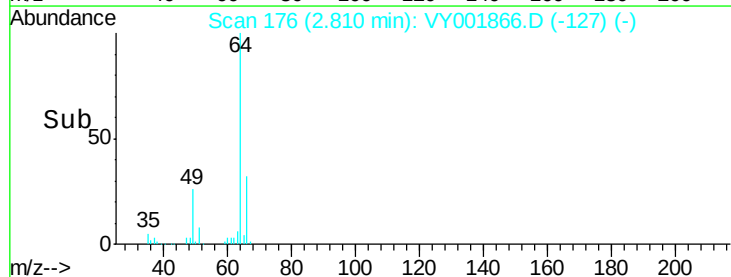
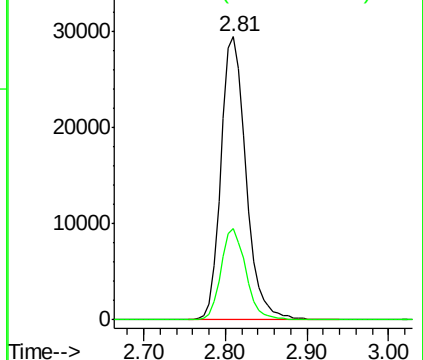
64 100

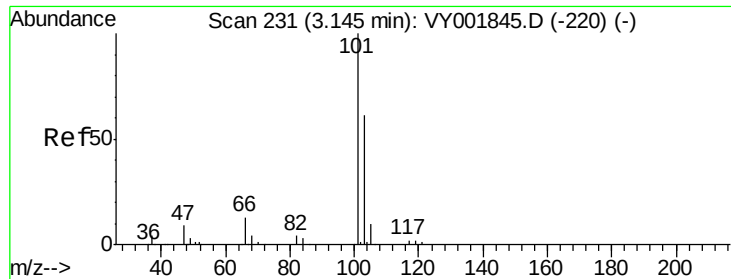
66 32.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

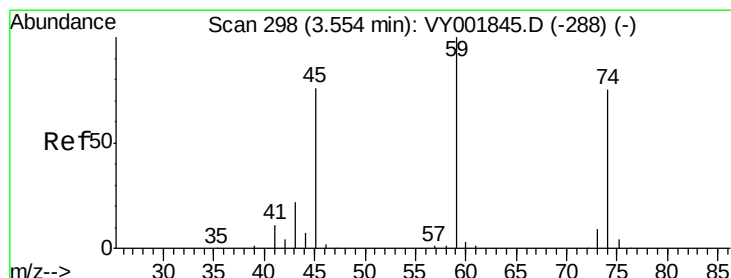
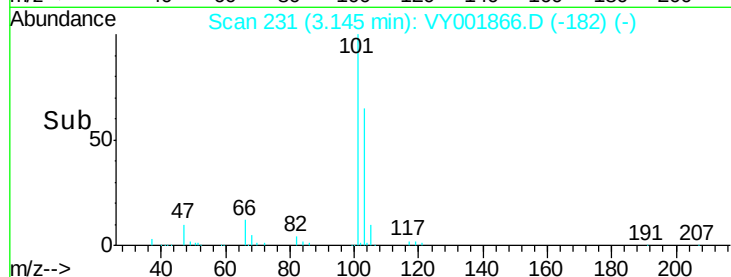
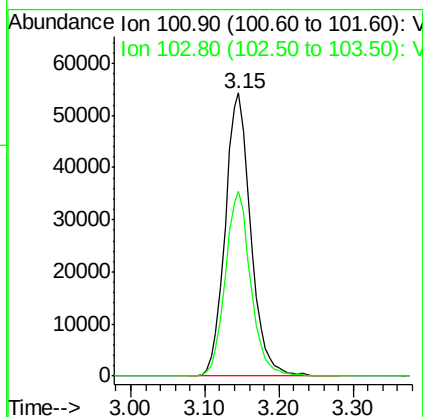
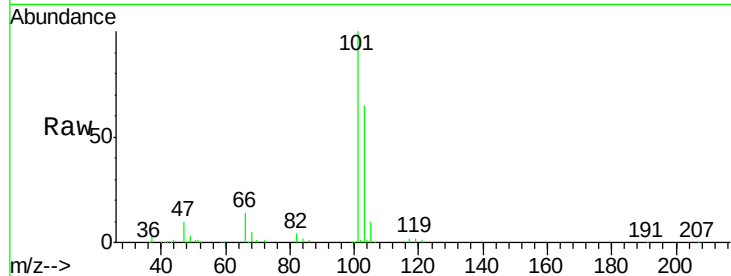
Trichlorofluoromethane
Concen: 49.132 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.1	73.7

Manual Integrations
APPROVED

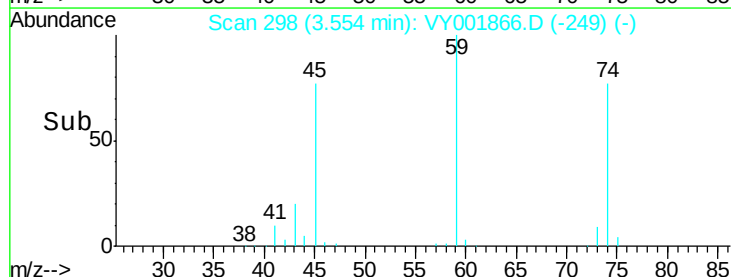
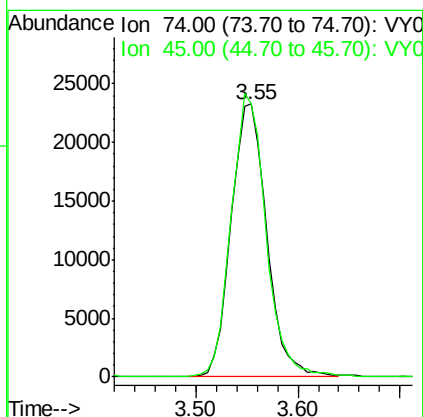
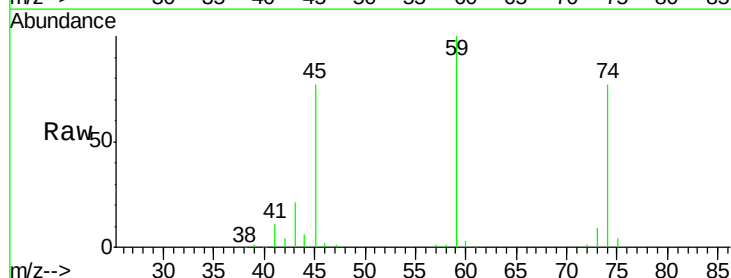
MMDadoda
3/5/2020 1:37:30 PM

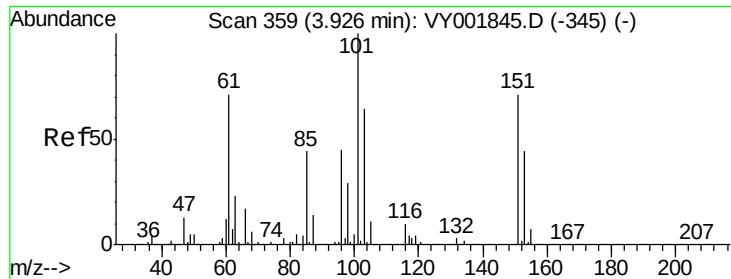


#8

Diethyl Ether
Concen: 53.938 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	50.5	151.5





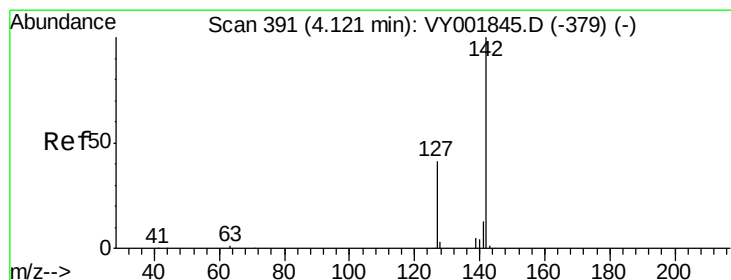
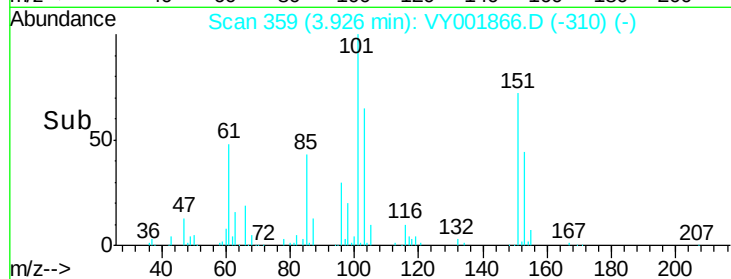
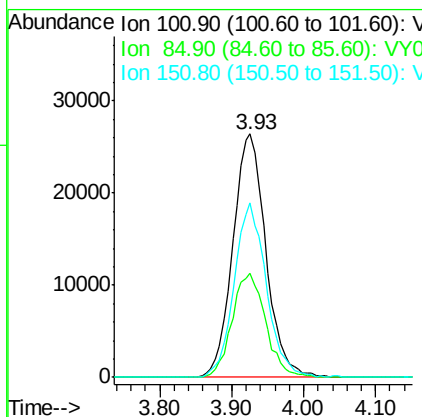
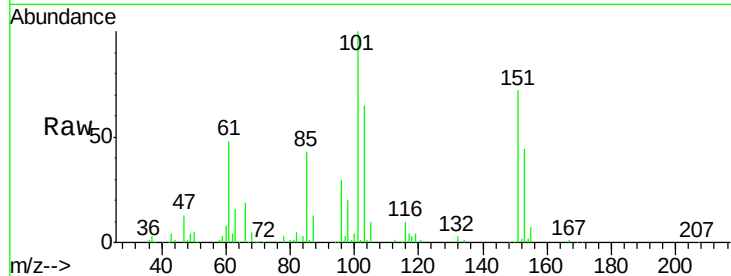
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.282 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.3	52.9
151	70.1	57.0	85.4

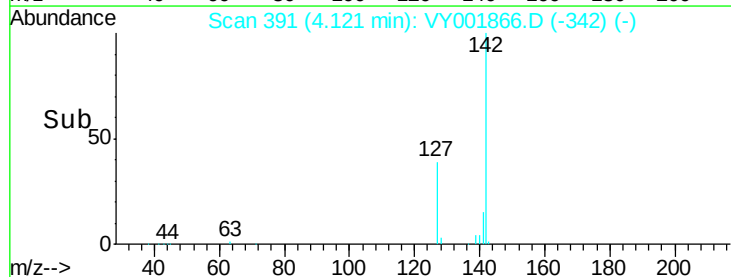
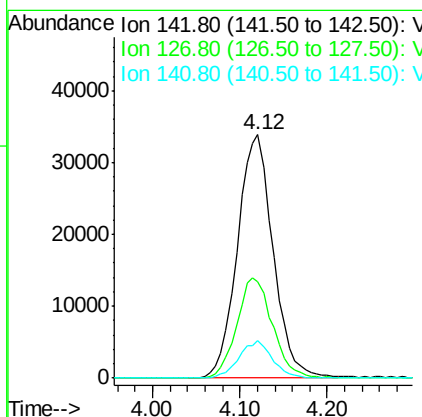
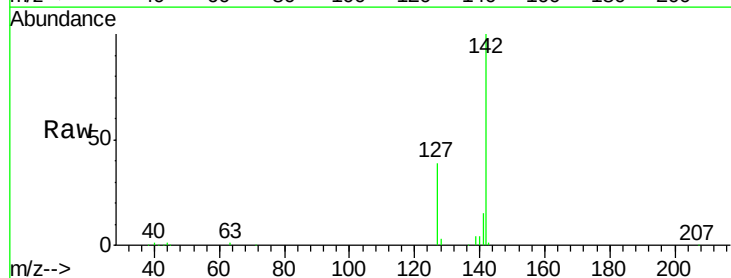
Manual Integrations
 APPROVED

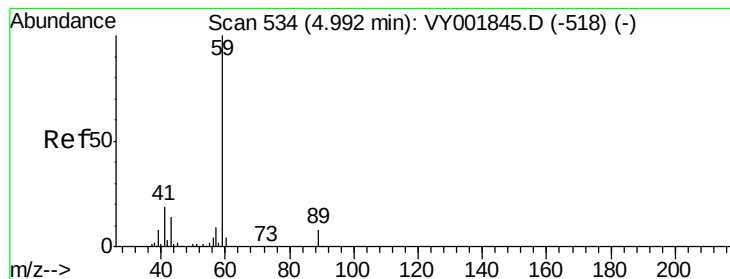
MMDadoda
 3/5/2020 1:37:30 PM



#10
 Methyl Iodide
 Concen: 48.703 ug/l
 RT: 4.12 min Scan# 391
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	32.7	49.1
141	14.4	11.0	16.6





#11

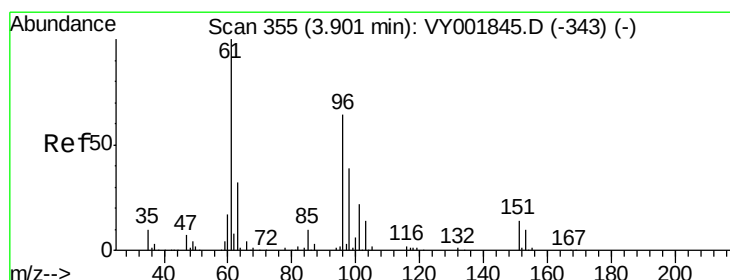
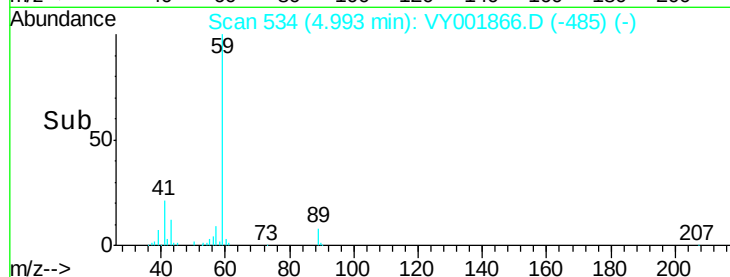
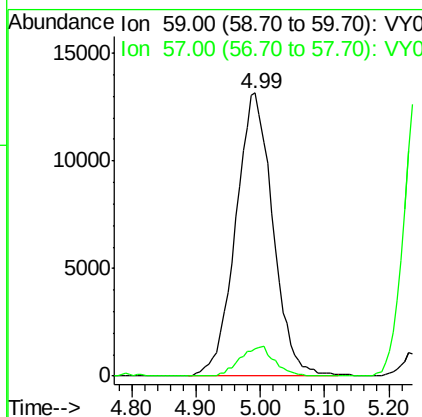
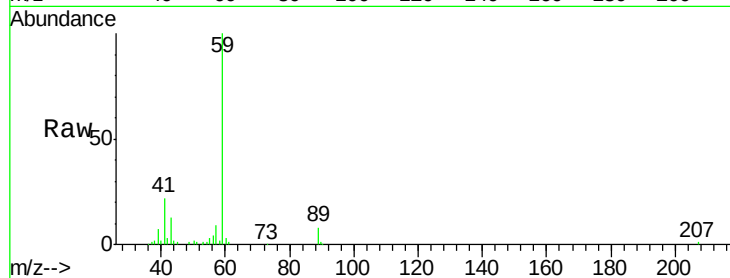
Tert butyl alcohol
 Concen: 311.772 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.2

Manual Integrations
 APPROVED

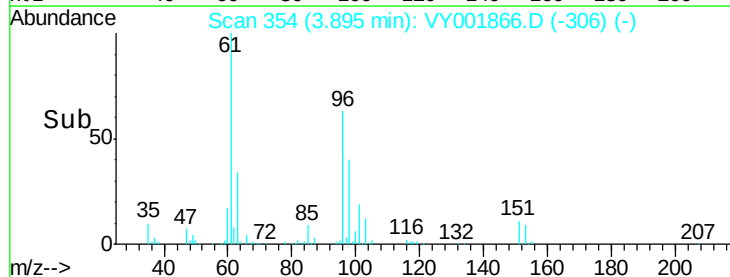
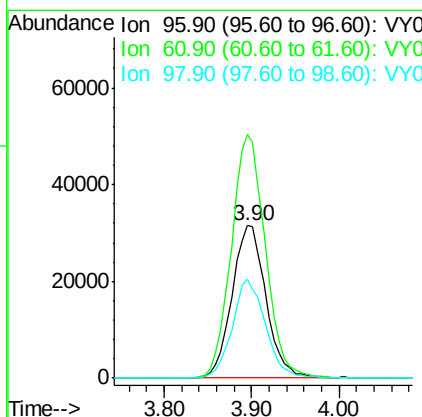
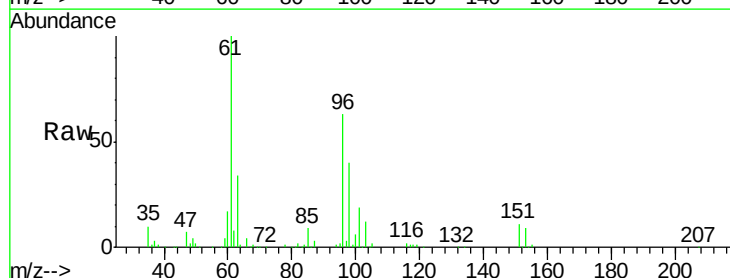
MMDadoda
 3/5/2020 1:37:30 PM

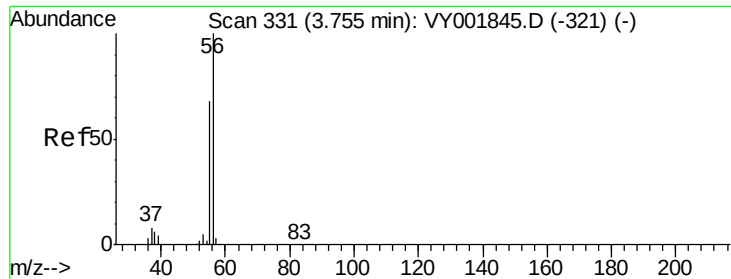


#12

1,1-Dichloroethene
 Concen: 49.609 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	124.8	187.2
98	64.7	49.2	73.8





#13

Acrolein

Concen: 263.859 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 61122

Ion Ratio Lower Upper

56 100

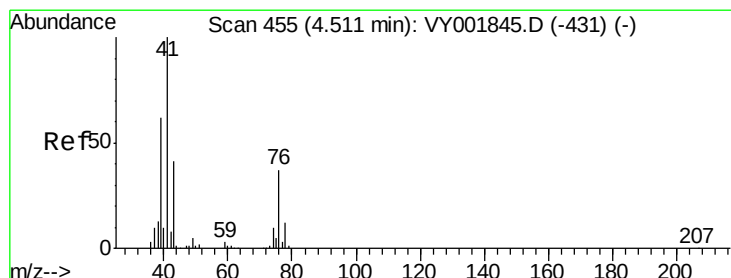
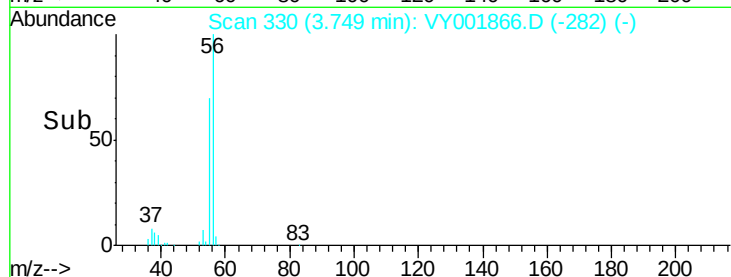
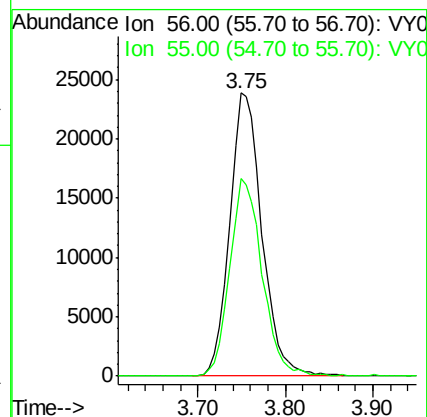
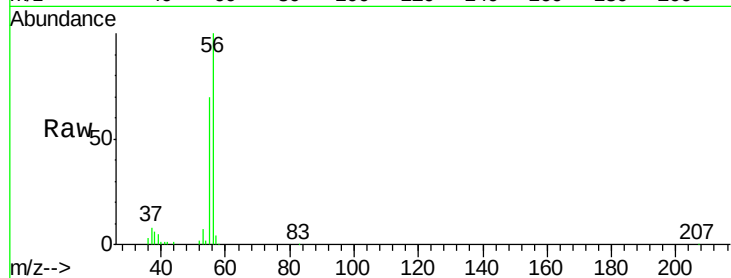
55 70.4 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#14

Allyl chloride

Concen: 52.319 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

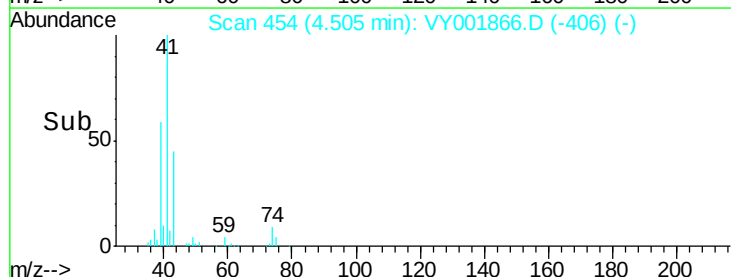
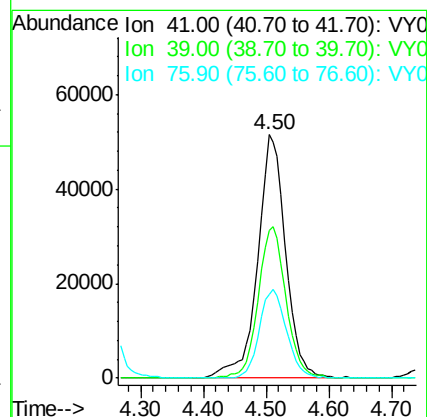
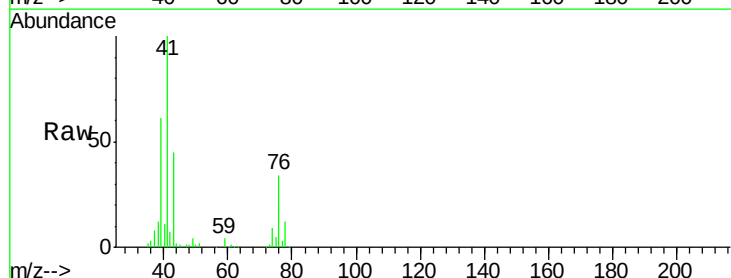
Tgt Ion: 41 Resp: 159233

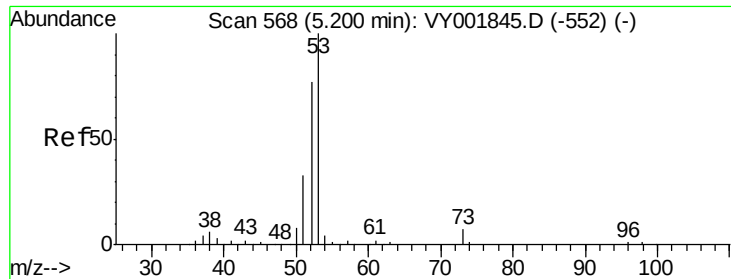
Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

76 35.2 28.9 43.3





#15

Acrylonitrile

Concen: 284.650 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

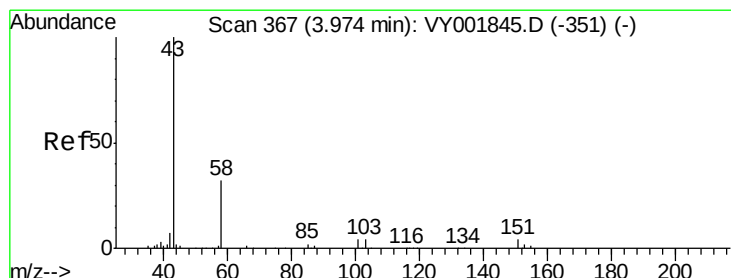
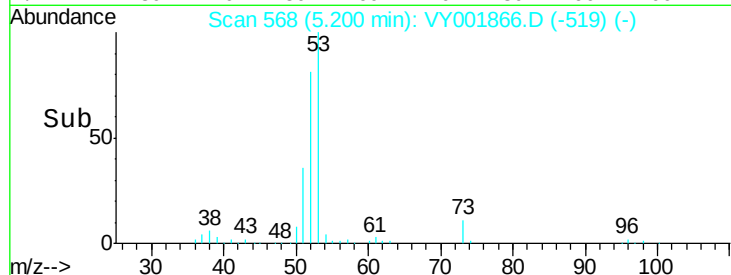
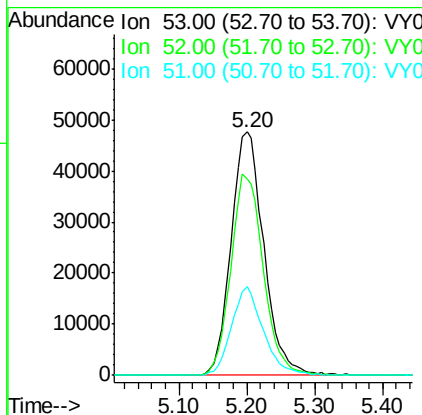
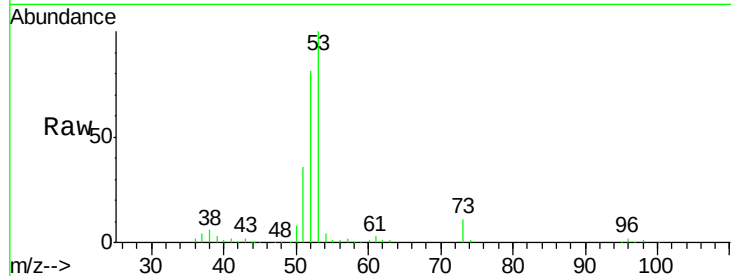
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	158922
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	35.6	27.5	41.3

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#16

Acetone

Concen: 256.217 ug/l

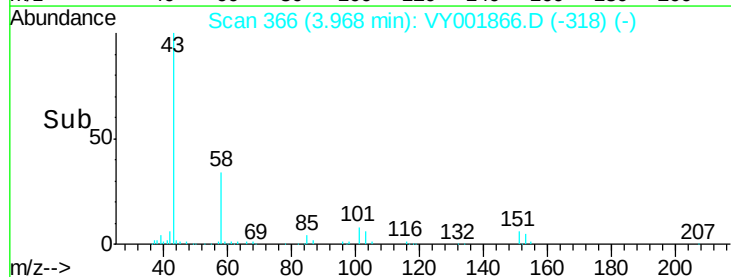
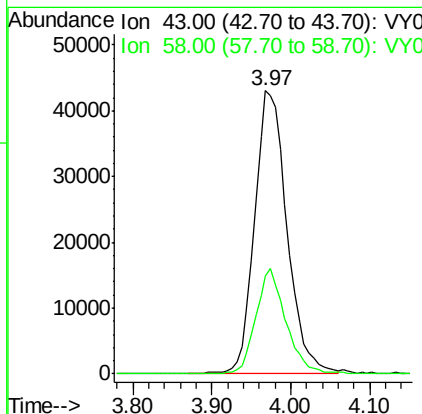
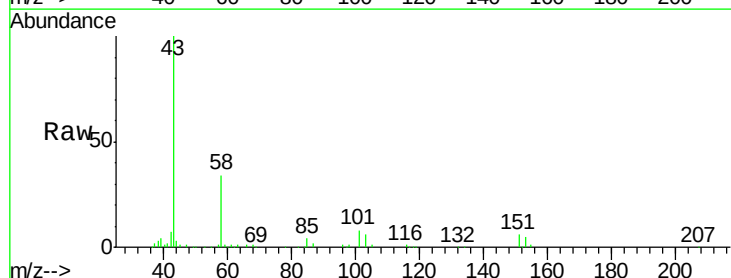
RT: 3.97 min Scan# 366

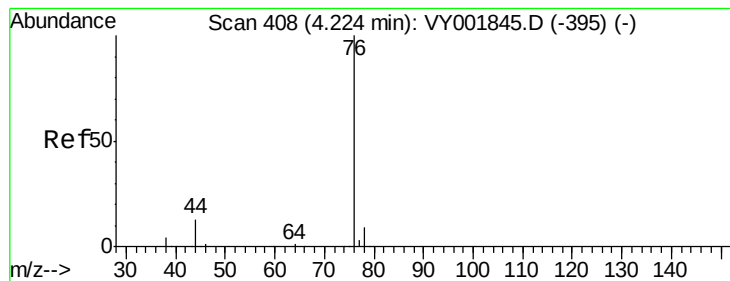
Delta R.T. -0.01 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion:	43	Resp:	123017
Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.9	38.9





#17

Carbon Disulfide

Concen: 49.421 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 285219

Ion Ratio Lower Upper

76 100

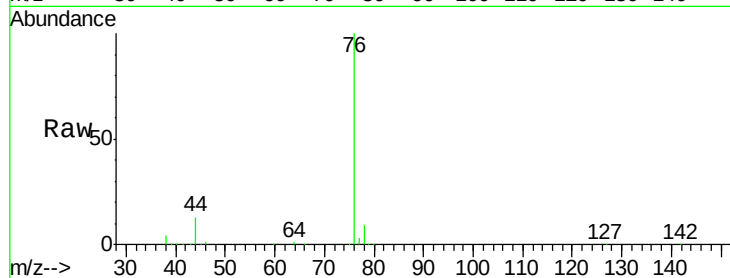
78 9.1 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

120000

100000

80000

60000

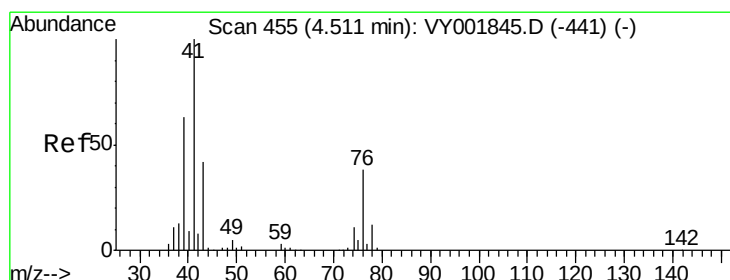
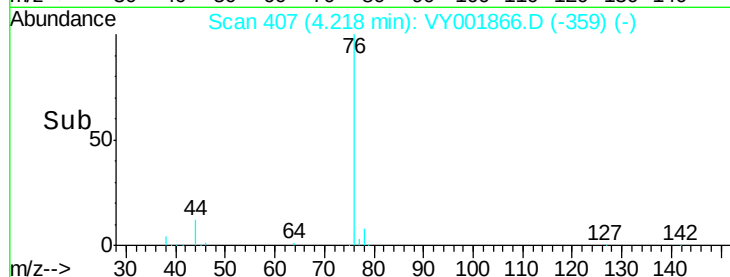
40000

20000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 56.796 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001866.D

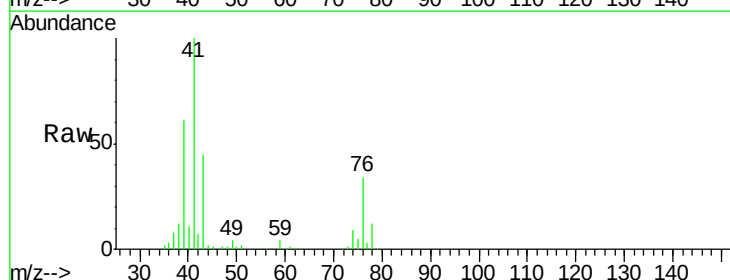
Acq: 04 Mar 2020 19:55

Tgt Ion: 43 Resp: 70066

Ion Ratio Lower Upper

43 100

74 22.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

25000

20000

15000

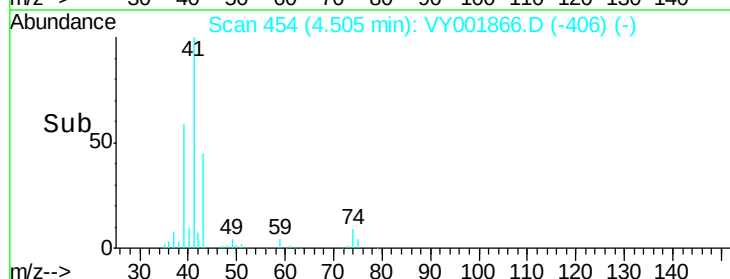
10000

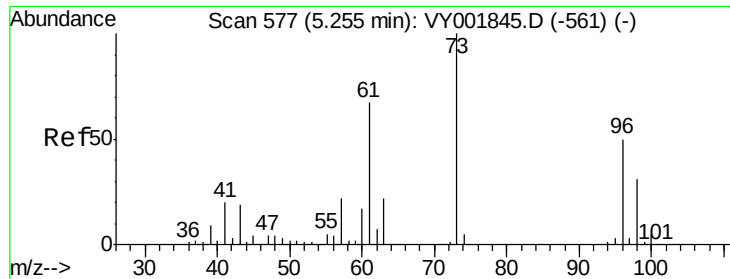
5000

0

4.40 4.50 4.60

Time-->





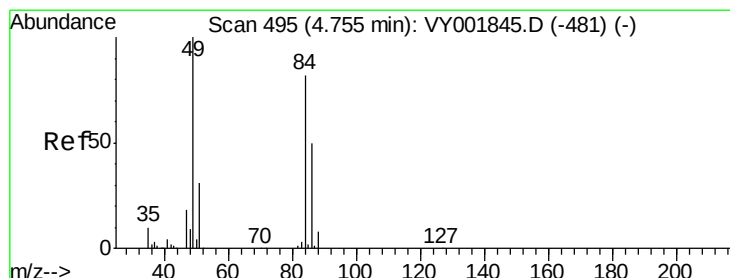
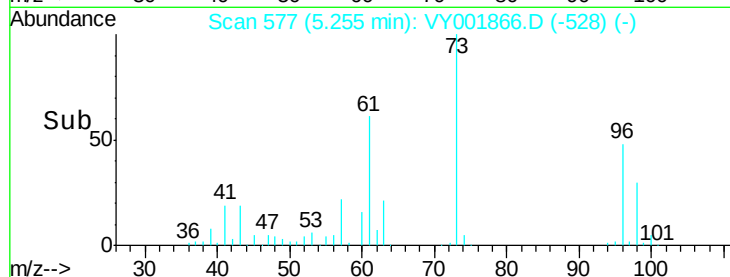
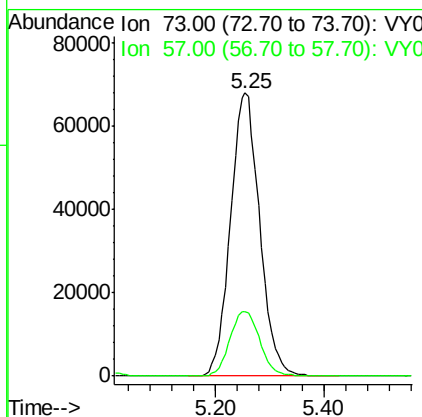
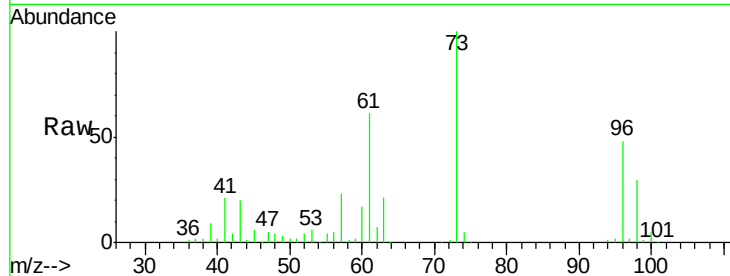
#19
Methyl tert-butyl Ether
Concen: 54.752 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 254724
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.2

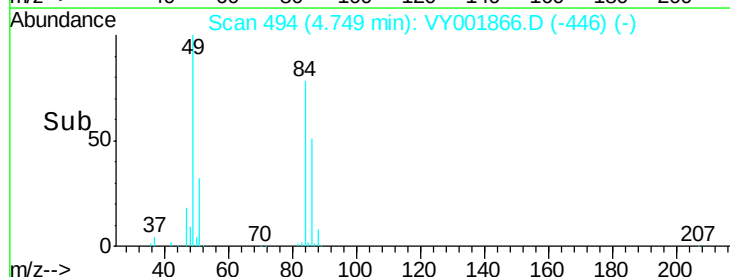
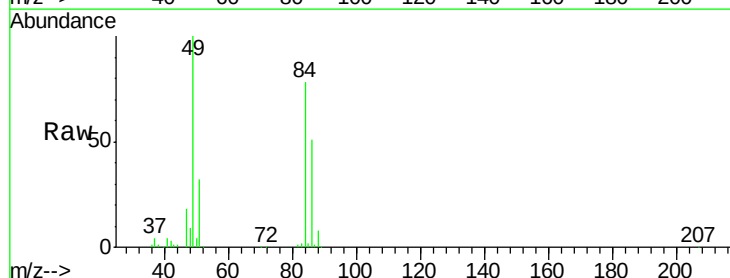
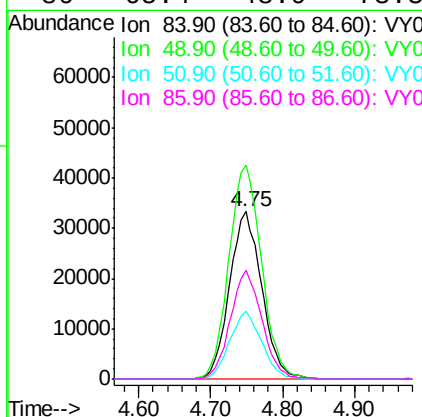
Manual Integrations
APPROVED

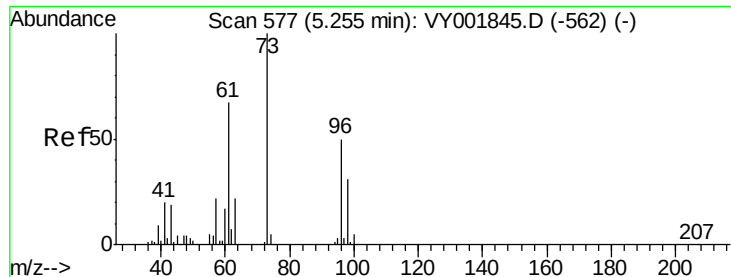
MMDadoda
3/5/2020 1:37:30 PM



#20
Methylene Chloride
Concen: 50.455 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion: 84 Resp: 103824
Ion Ratio Lower Upper
84 100
49 127.6 98.2 147.2
51 40.3 30.2 45.2
86 65.4 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 50.931 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

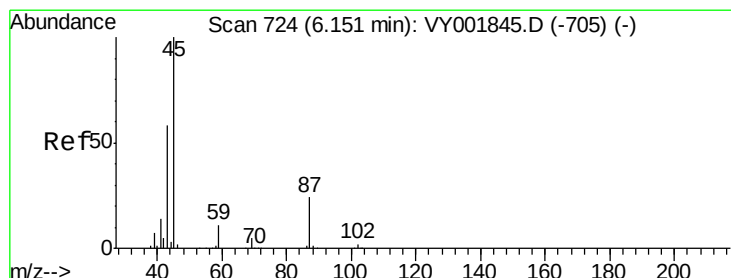
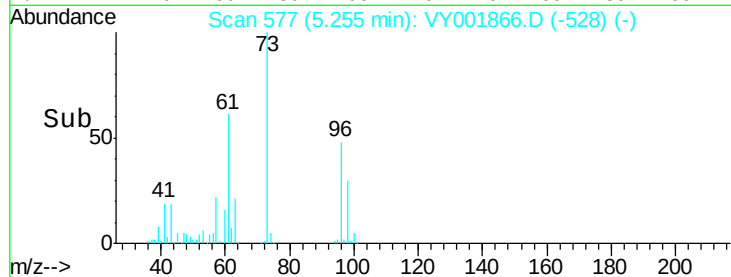
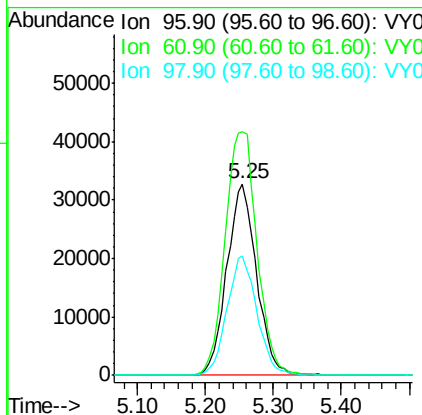
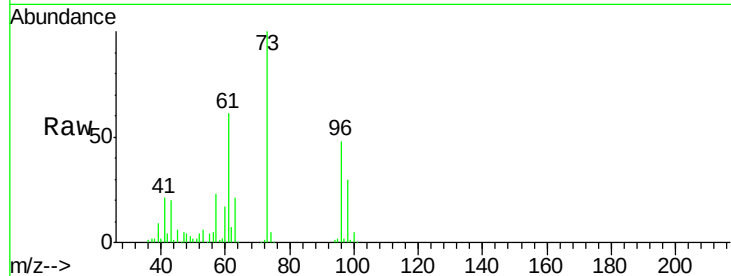
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	99245
Ion	Ratio	Lower	Upper
96	100		
61	127.1	107.7	161.5
98	62.1	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#22

Diisopropyl ether

Concen: 54.044 ug/l

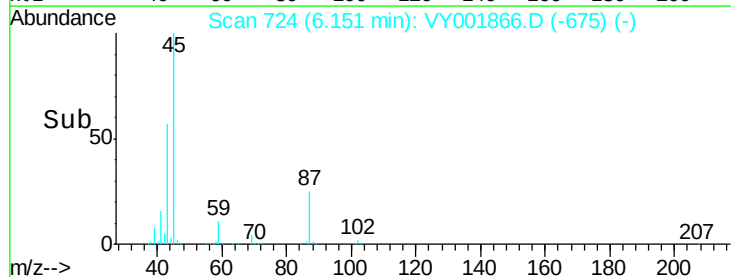
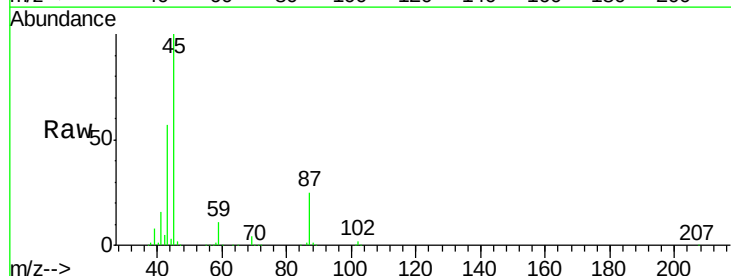
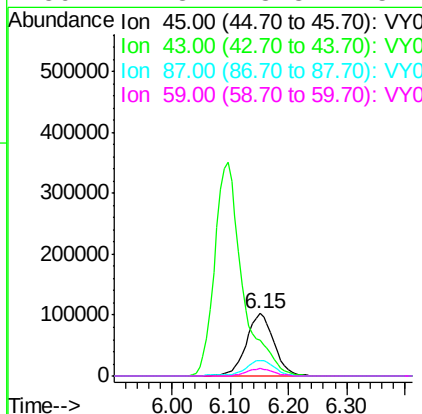
RT: 6.15 min Scan# 724

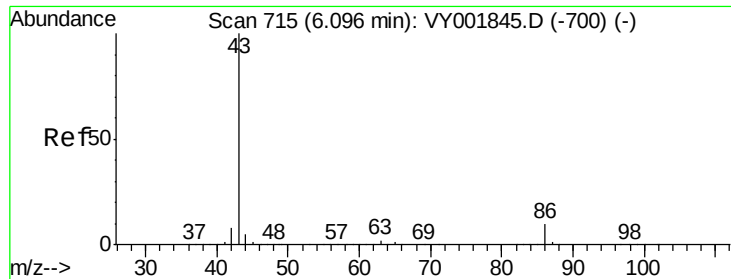
Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion:	45	Resp:	337164
Ion	Ratio	Lower	Upper
45	100		
43	56.5	47.2	70.8
87	24.7	19.8	29.8
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 284.294 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1162731

Ion Ratio Lower Upper

43 100

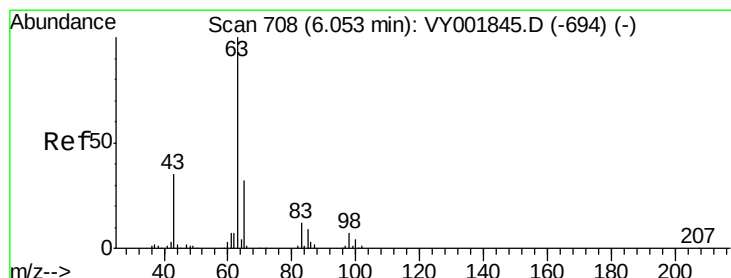
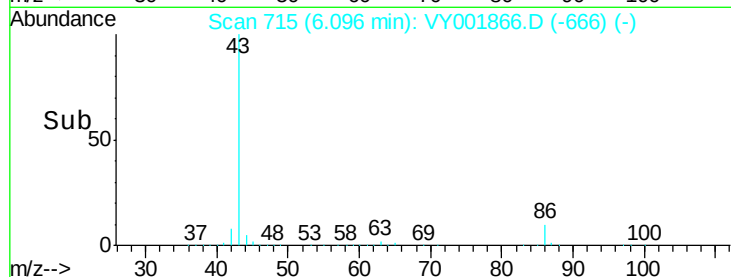
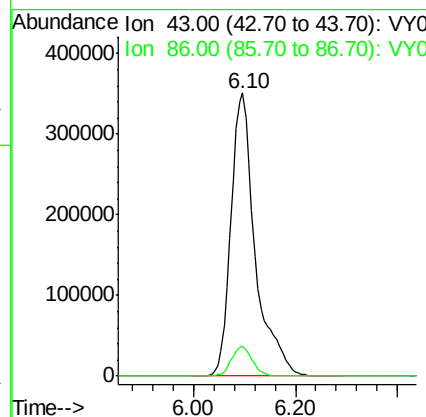
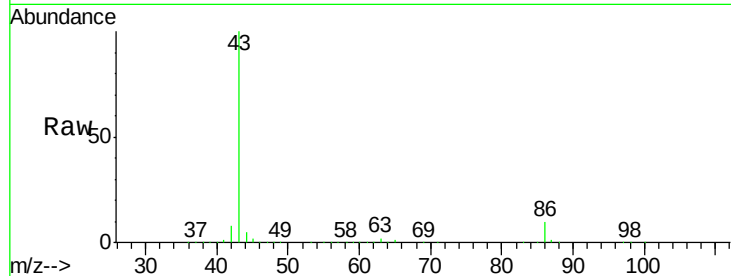
86 10.4 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#24

1,1-Dichloroethane

Concen: 51.347 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

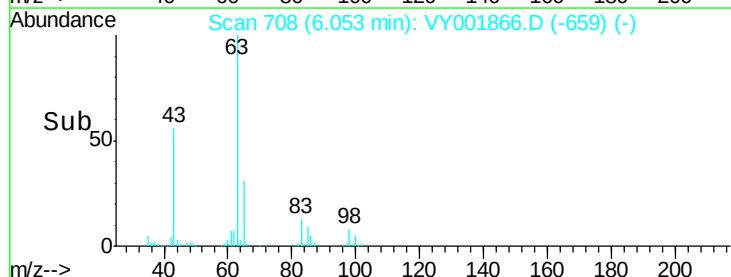
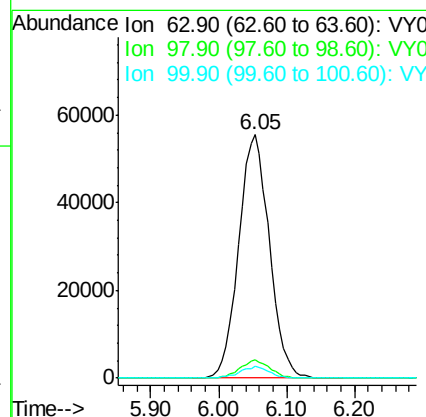
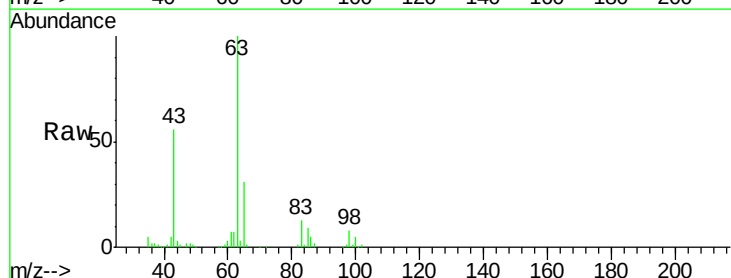
Tgt Ion: 63 Resp: 173472

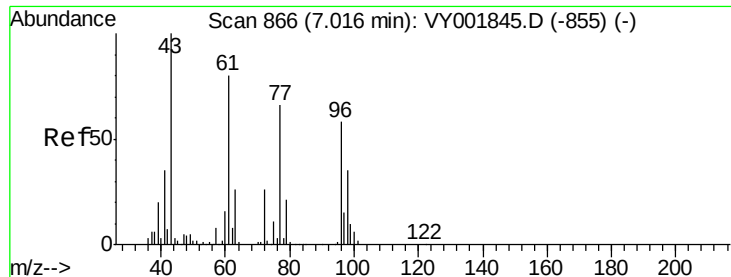
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 5.0 2.0 6.0





#25

2-Butanone

Concen: 284.046 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 207394

Ion Ratio Lower Upper

43 100

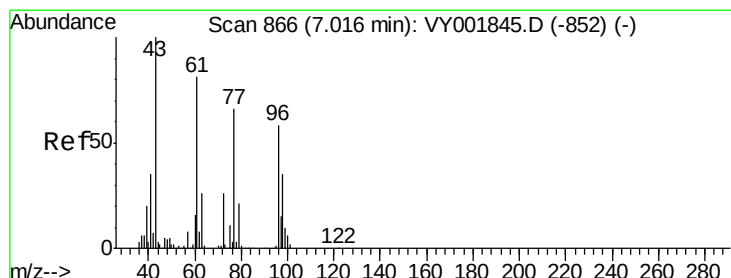
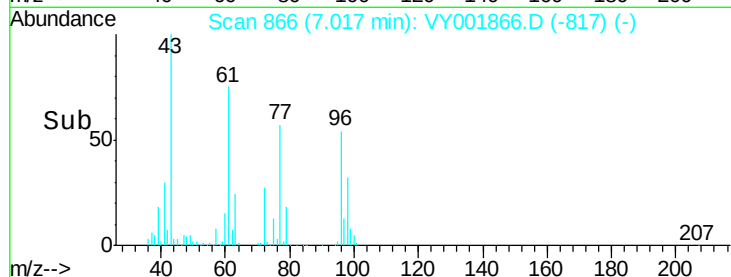
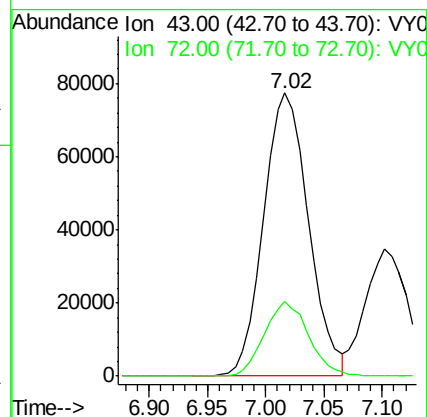
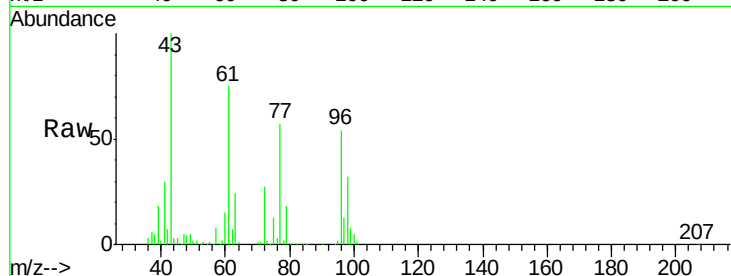
72 26.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#26

2,2-Dichloropropane

Concen: 49.078 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001866.D

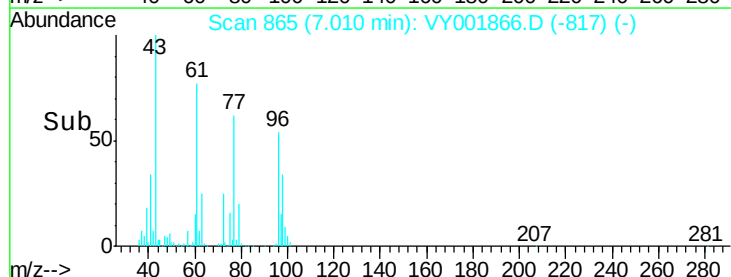
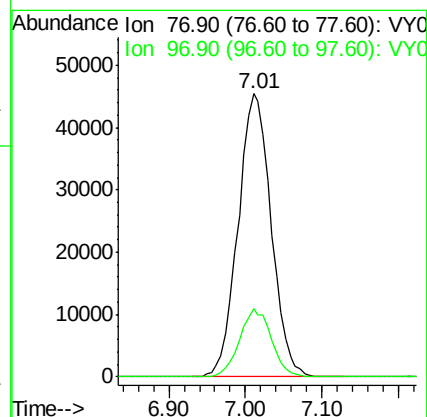
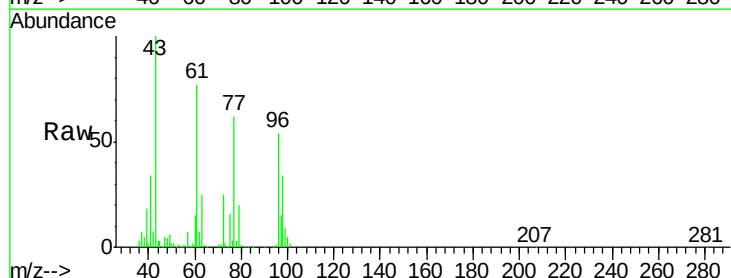
Acq: 04 Mar 2020 19:55

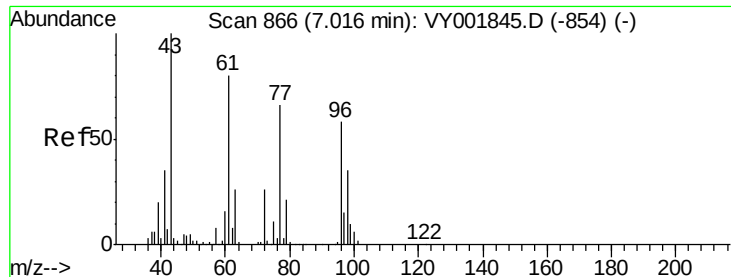
Tgt Ion: 77 Resp: 136089

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.7





#27

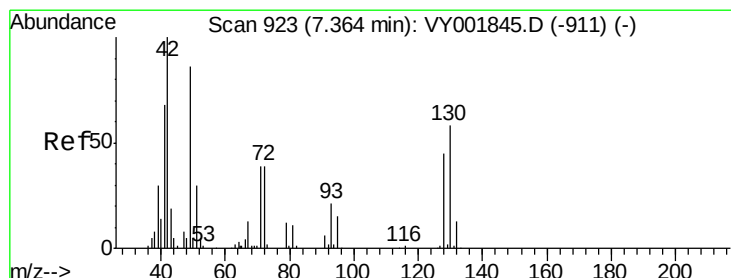
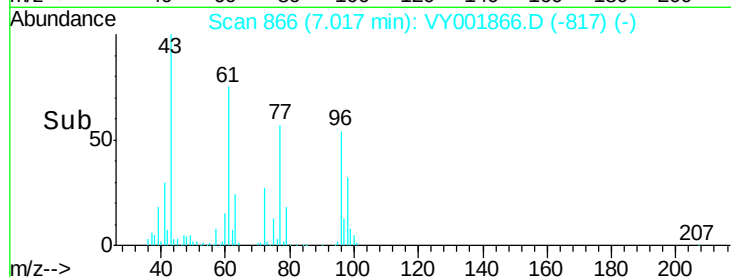
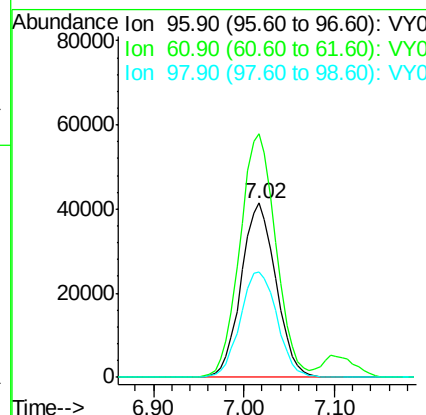
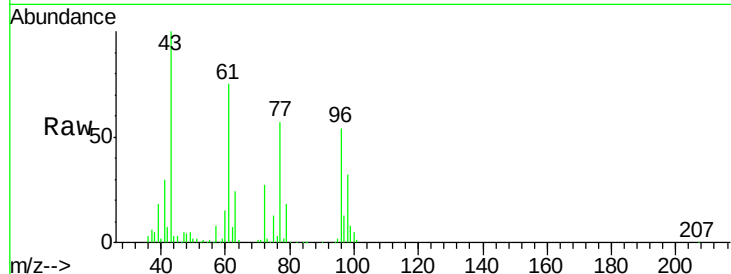
cis-1,2-Dichloroethene
Concen: 52.057 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.5	0.0	288.2	
98	63.9	0.0	129.0	

Manual Integrations
APPROVED

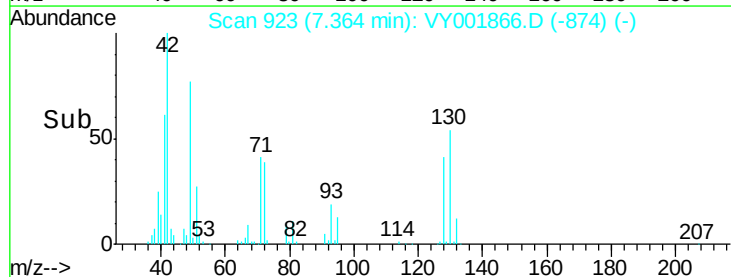
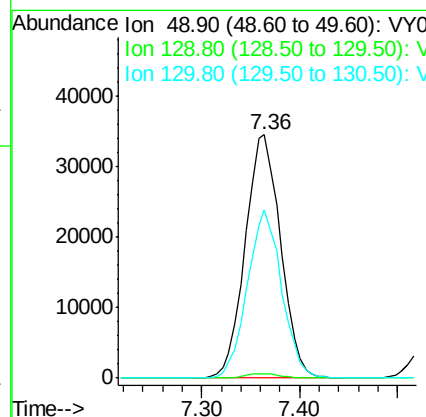
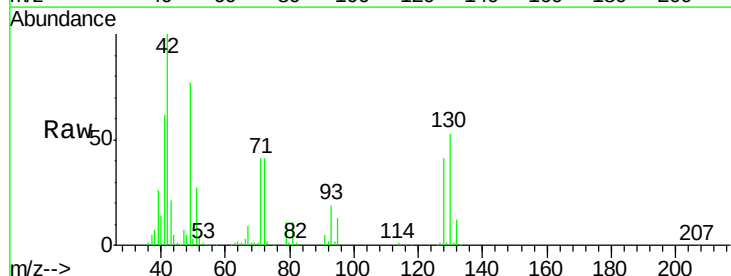
MMDadoda
3/5/2020 1:37:30 PM

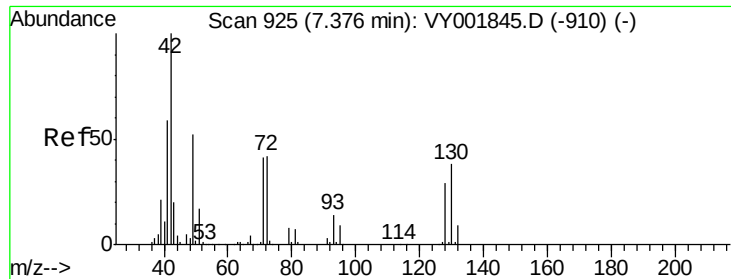


#28

Bromochloromethane
Concen: 56.827 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	66.7	54.4	81.6	





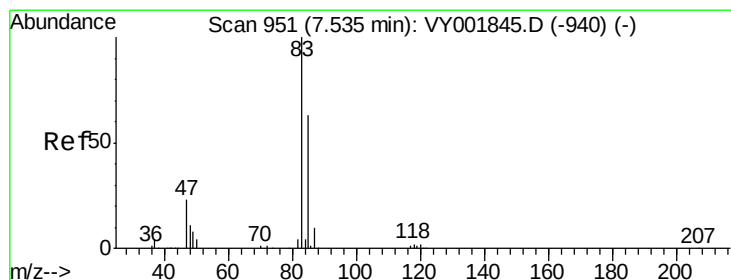
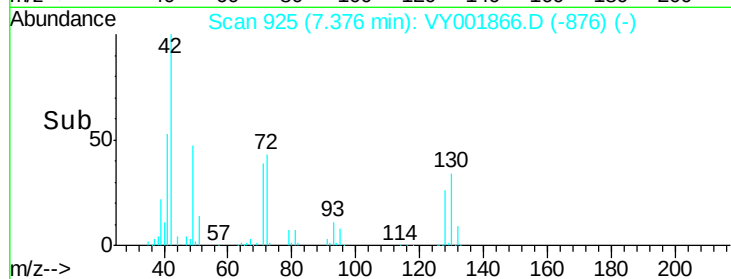
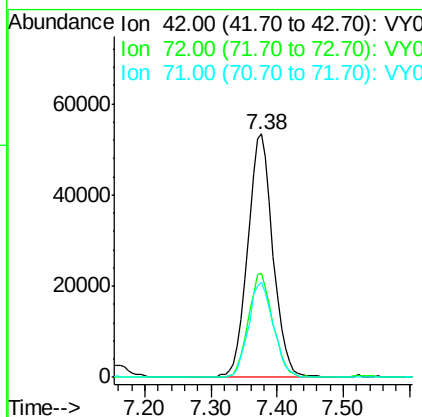
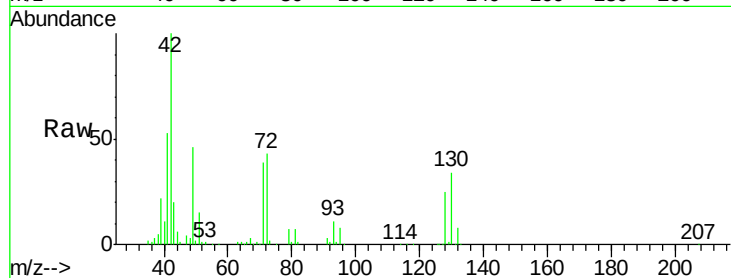
#29
Tetrahydrofuran
Concen: 292.696 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.5	50.3
71	38.6	31.3	46.9

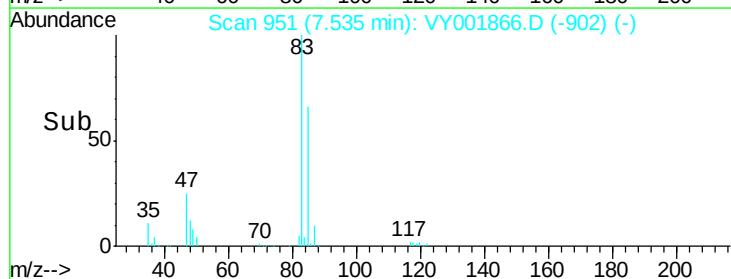
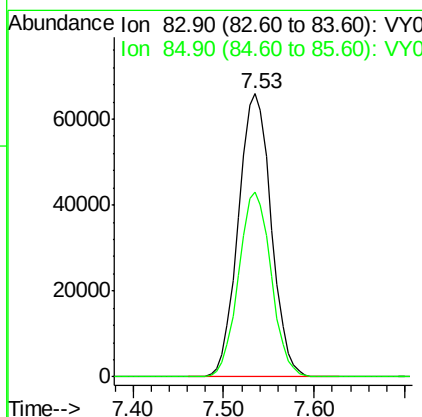
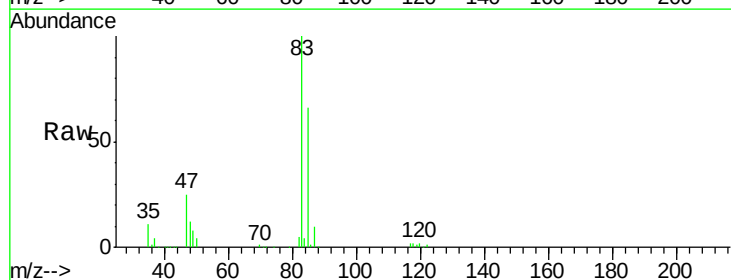
Manual Integrations
APPROVED

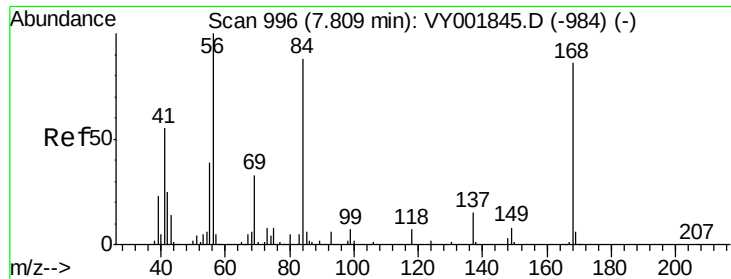
MMDadoda
3/5/2020 1:37:30 PM



#30
Chloroform
Concen: 52.038 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.7	76.1





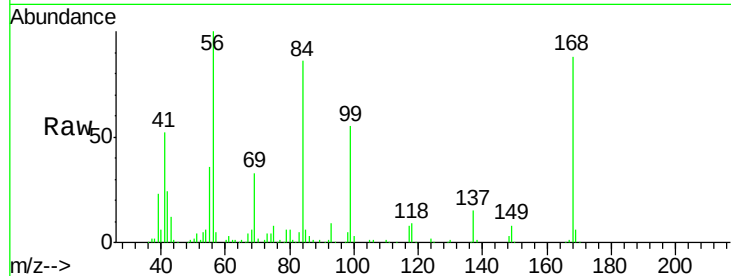
#31
Cyclohexane
Concen: 48.111 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.7	40.1
84	84.5	70.4	105.6

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM

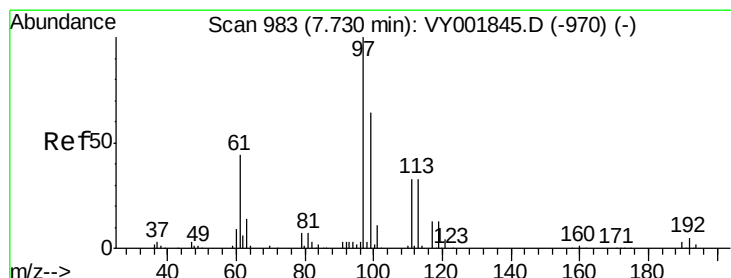
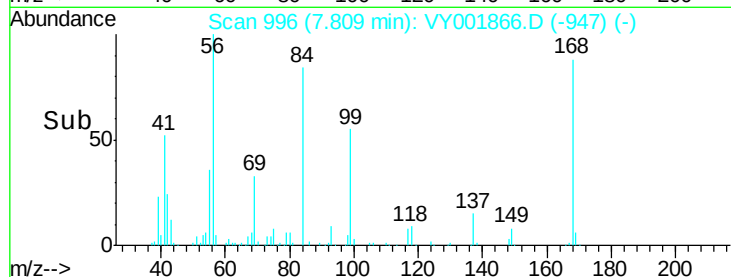
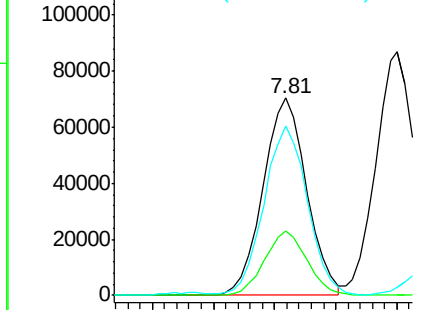


Abundance

Ion 56.00 (55.70 to 56.70): VY0

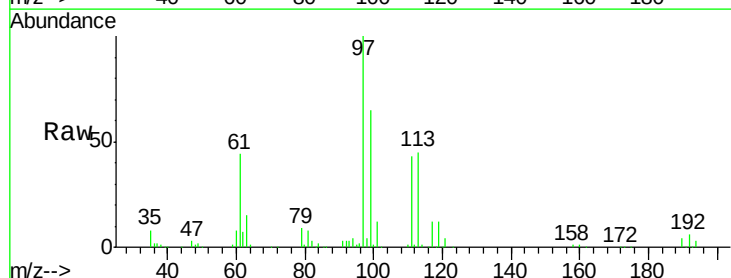
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32
1,1,1-Trichloroethane
Concen: 50.681 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	45.1	35.0	52.4

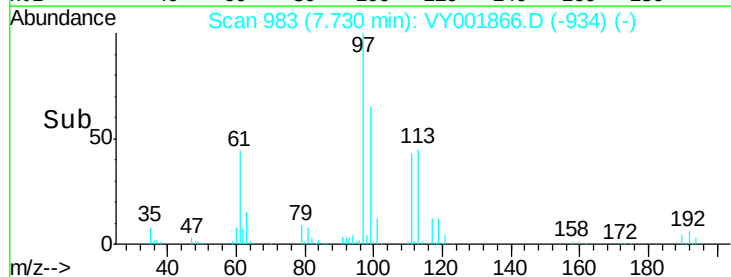
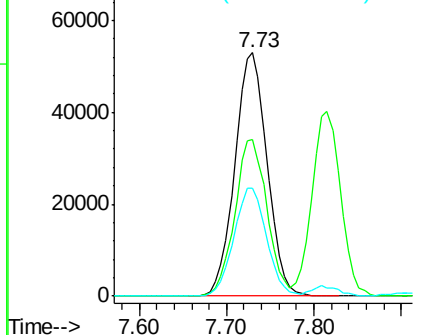


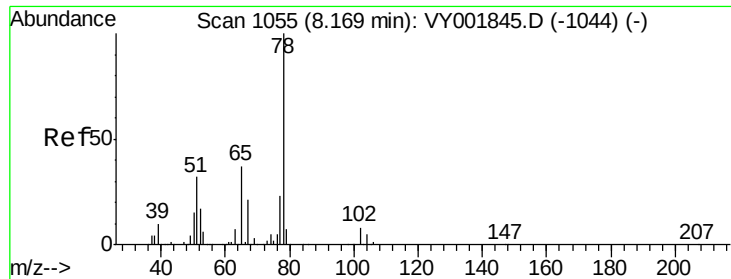
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





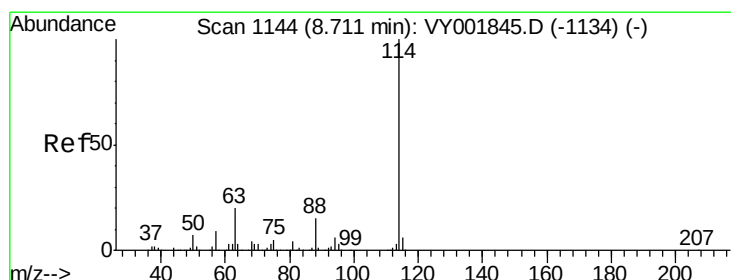
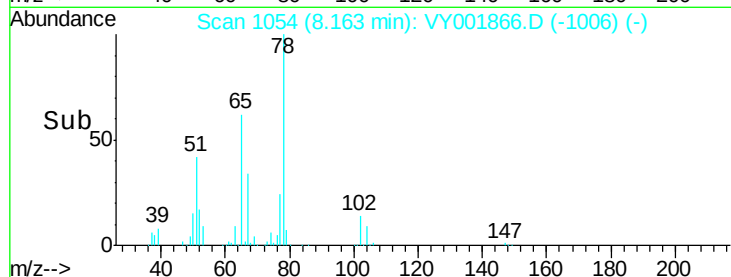
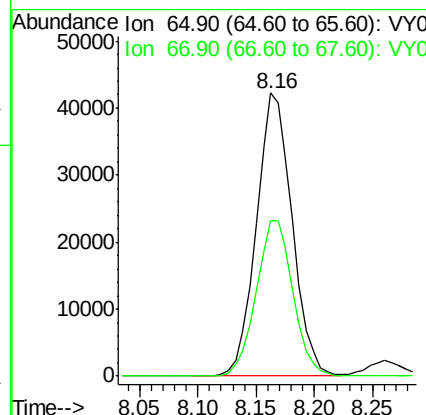
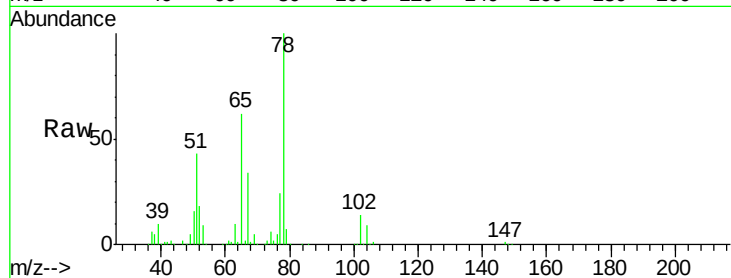
#33
 1,2-Dichloroethane-d4
 Concen: 54.859 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.5	0.0	110.8	

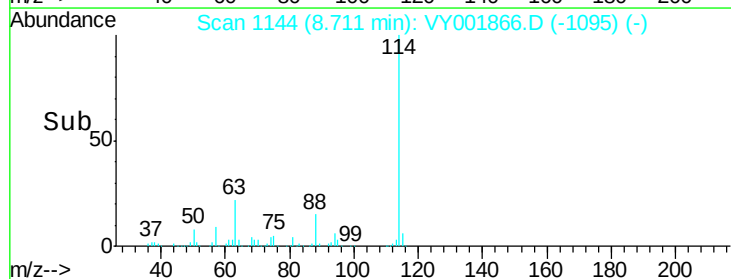
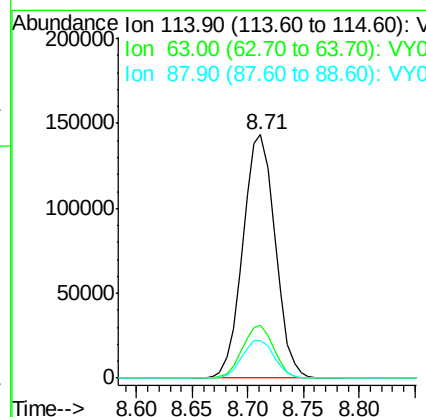
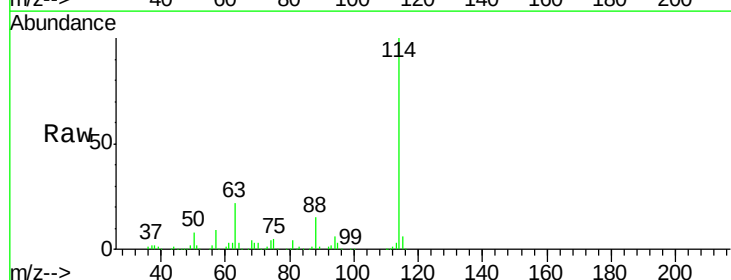
Manual Integrations
 APPROVED

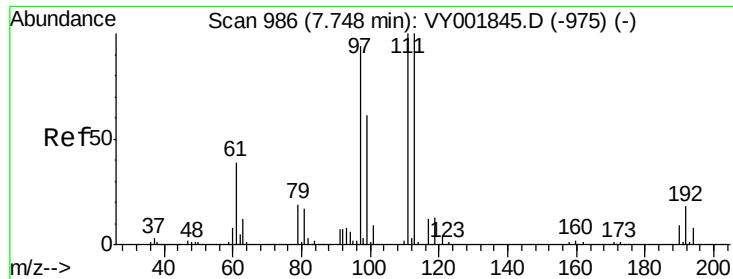
MMDadoda
 3/5/2020 1:37:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	39.4	
88	15.4	0.0	30.4	





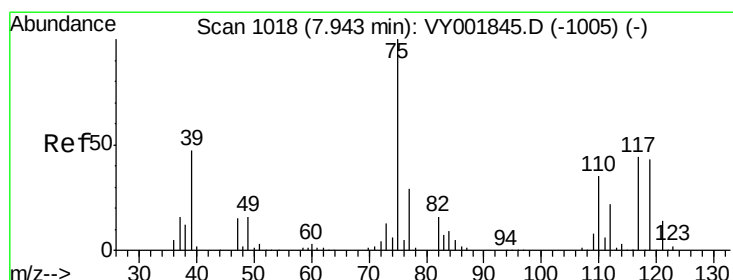
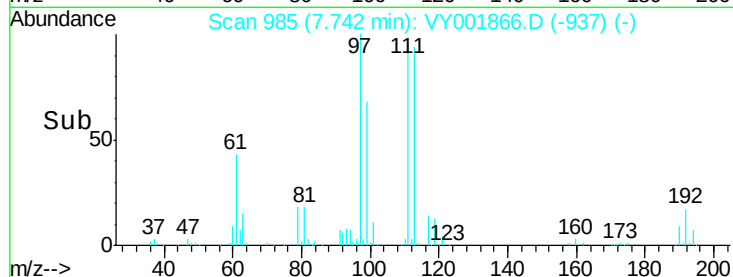
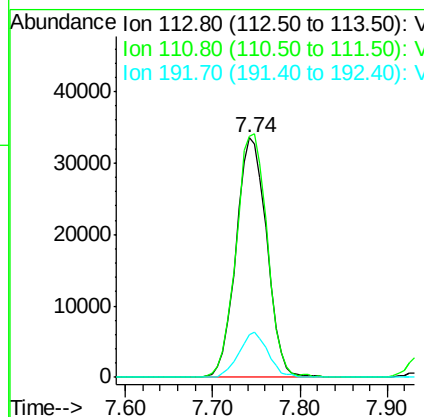
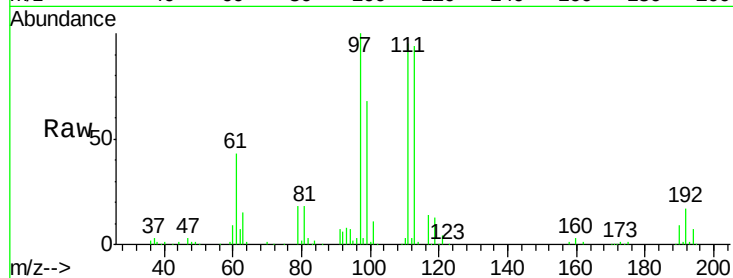
#35
 Dibromofluoromethane
 Concen: 51.821 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	17.6	14.2	21.2

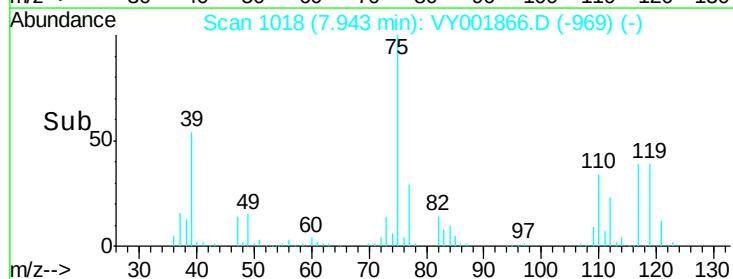
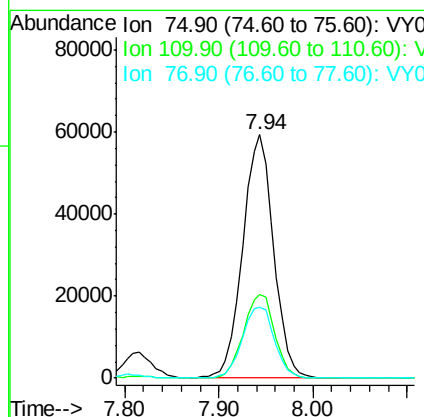
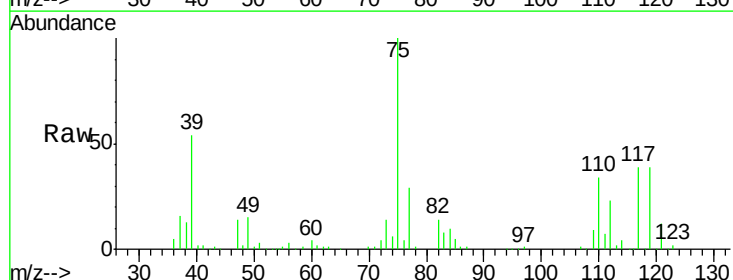
Manual Integrations
 APPROVED

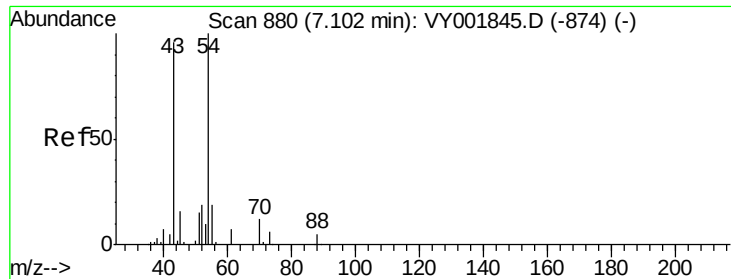
MMDadoda
 3/5/2020 1:37:30 PM



#36
 1,1-Dichloropropene
 Concen: 48.651 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.2
77	30.8	24.2	36.2





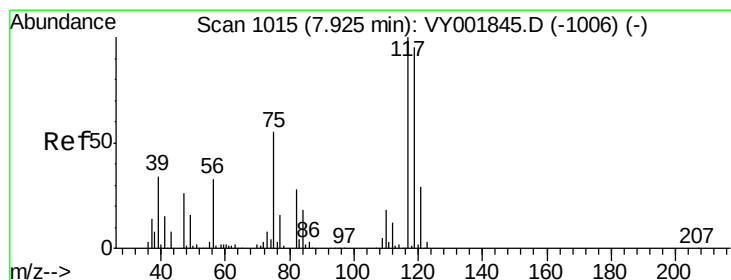
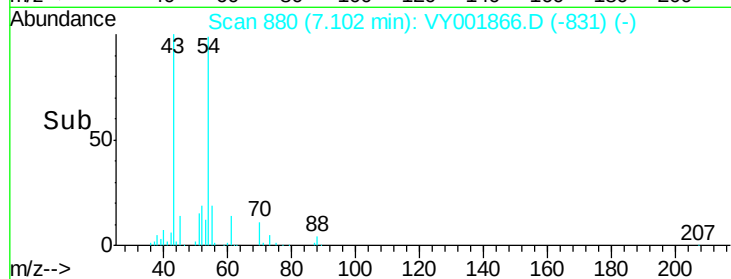
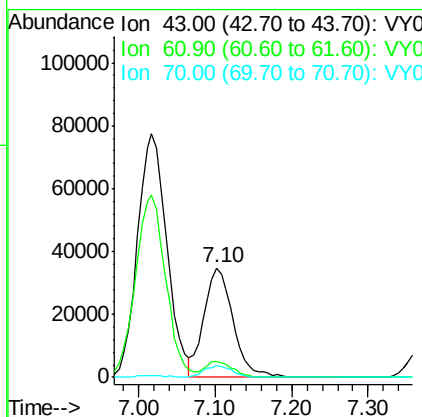
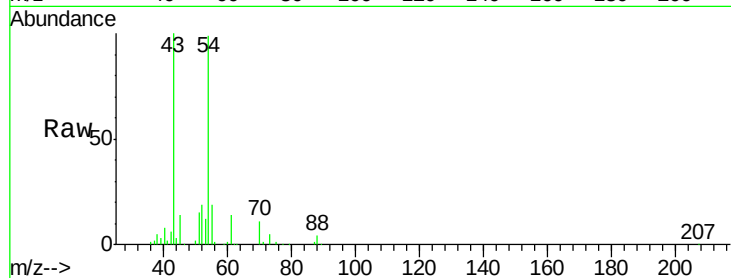
#37
Ethyl Acetate
Concen: 56.932 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	10.6	8.2	12.4

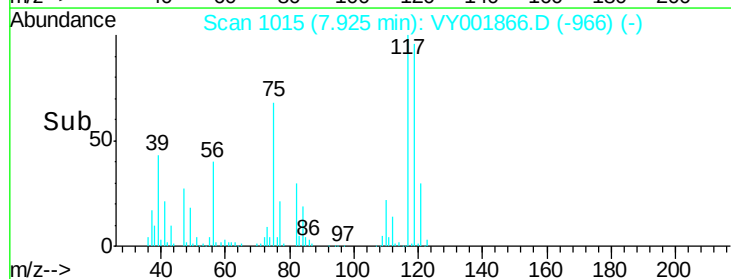
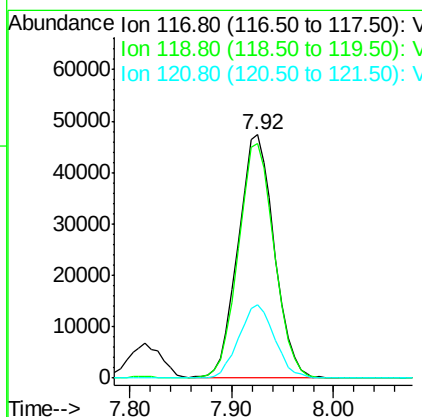
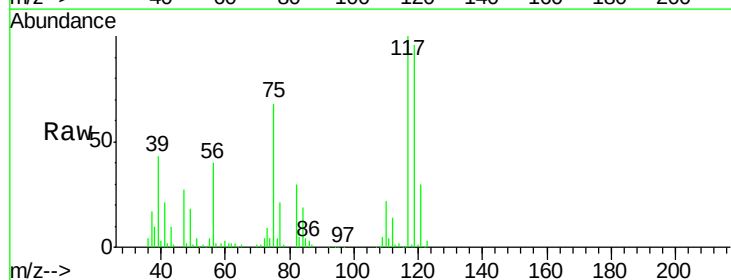
Manual Integrations
APPROVED

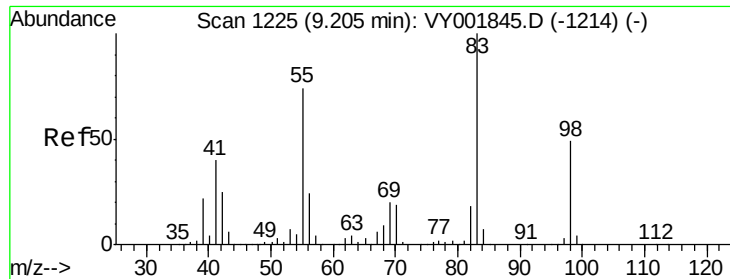
MMDadoda
3/5/2020 1:37:30 PM



#38
Carbon Tetrachloride
Concen: 49.046 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	30.3	23.5	35.3





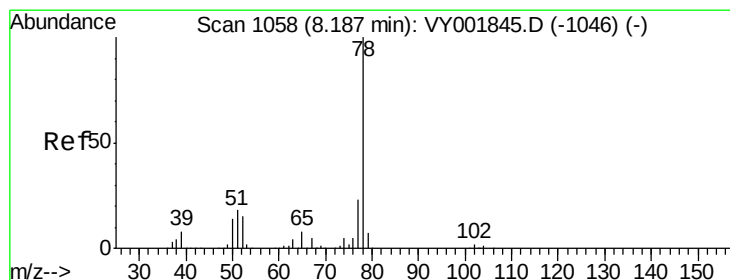
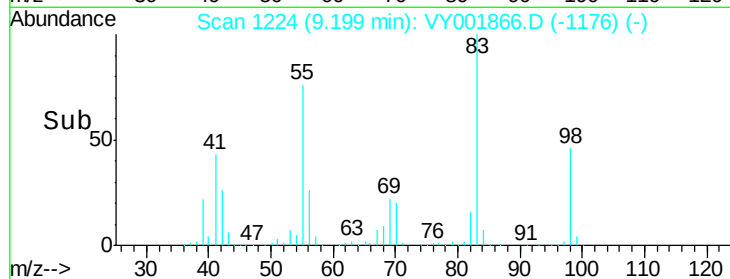
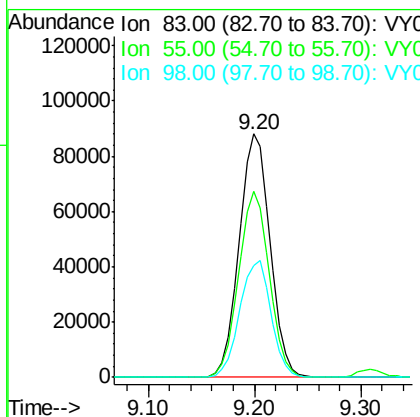
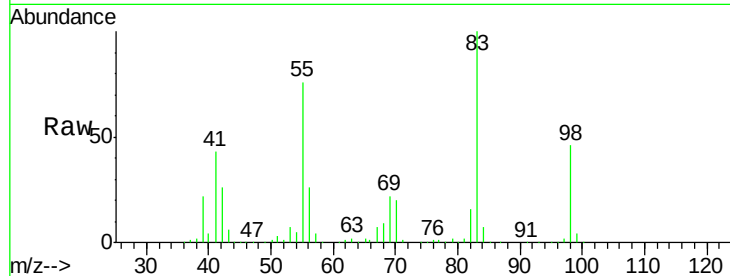
#39
Methylvlcyclohexane
Concen: 48.785 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.4	89.0
98	46.0	38.9	58.3

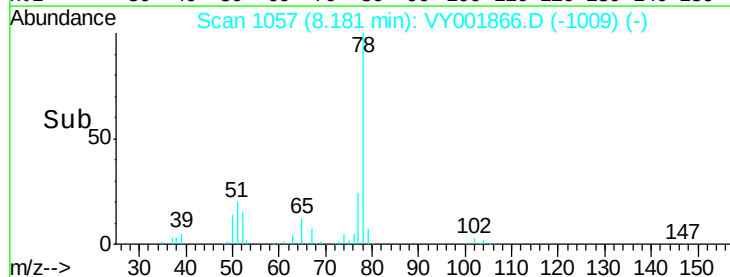
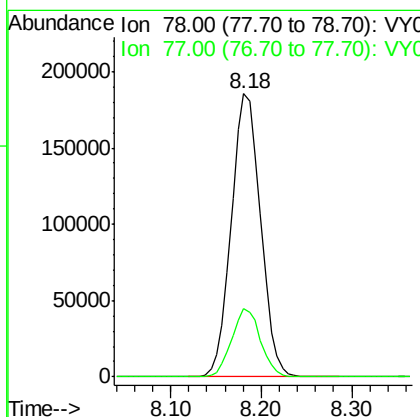
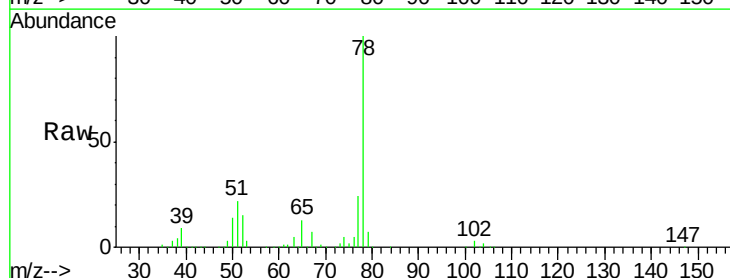
Manual Integrations
APPROVED

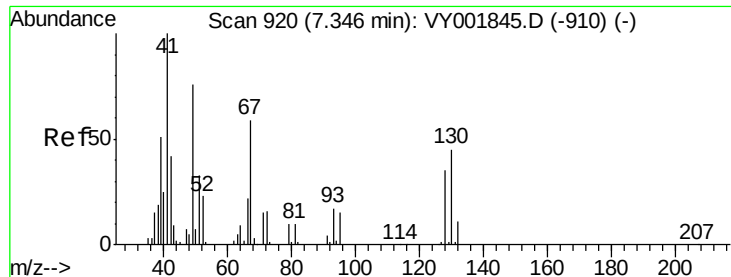
MMDadoda
3/5/2020 1:37:30 PM



#40
Benzene
Concen: 50.264 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





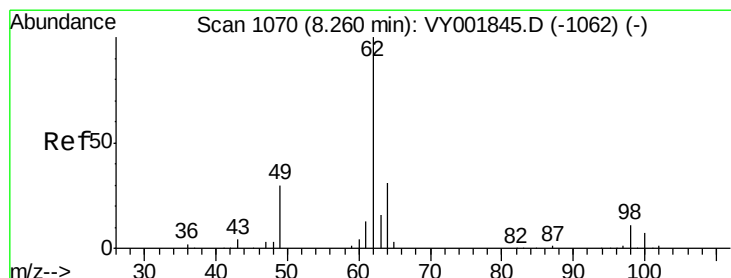
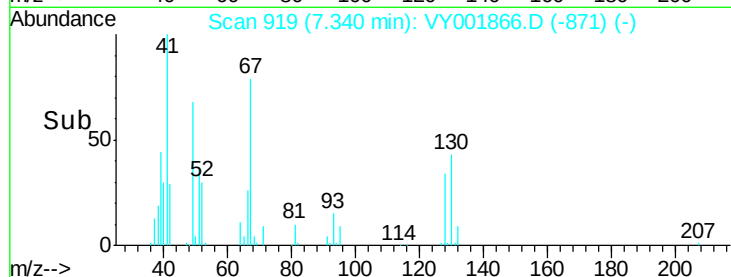
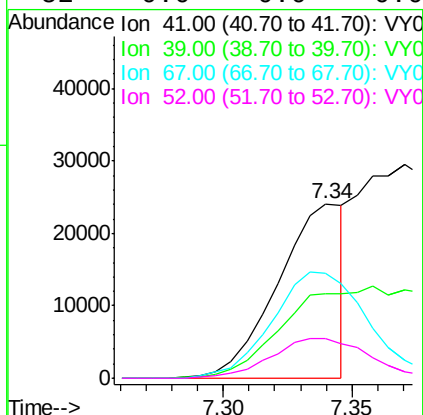
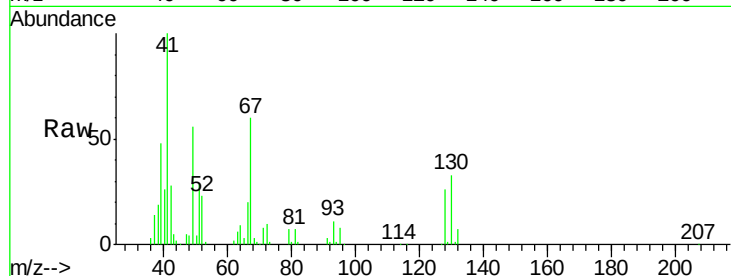
#41
Methacrylonitrile
Concen: 59.987 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	43671
Ion	Ratio	Lower	Upper
41	100		
39	127.4	111.7	167.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

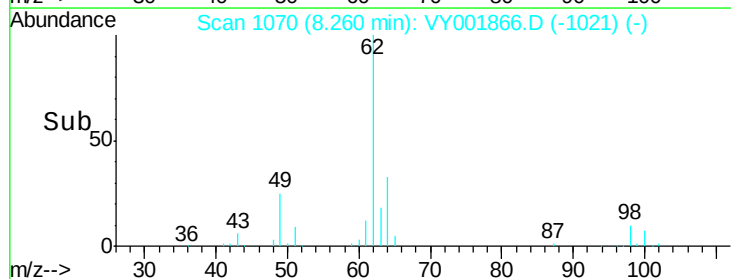
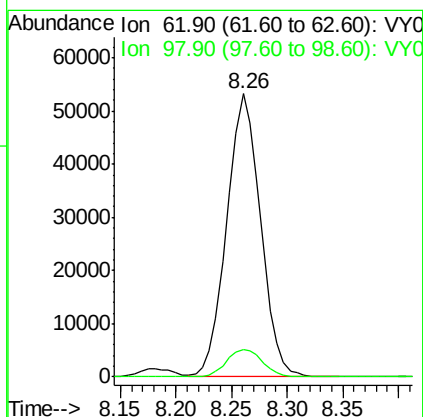
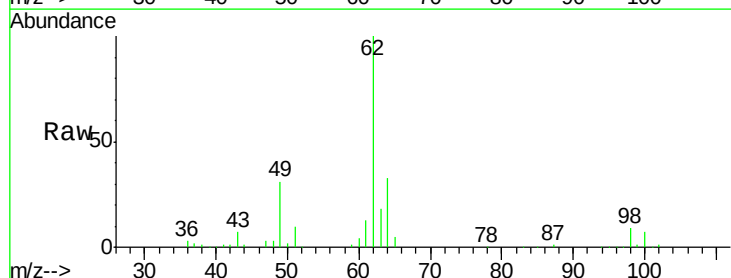
Manual Integrations
APPROVED

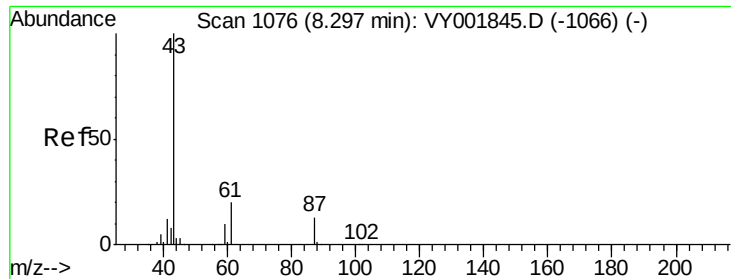
MMDadoda
3/5/2020 1:37:30 PM



#42
1,2-Dichloroethane
Concen: 52.633 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion:	62	Resp:	111888
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





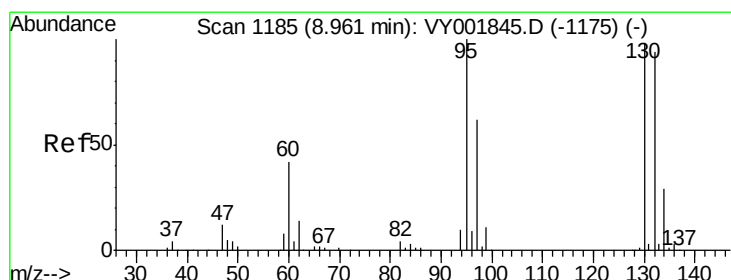
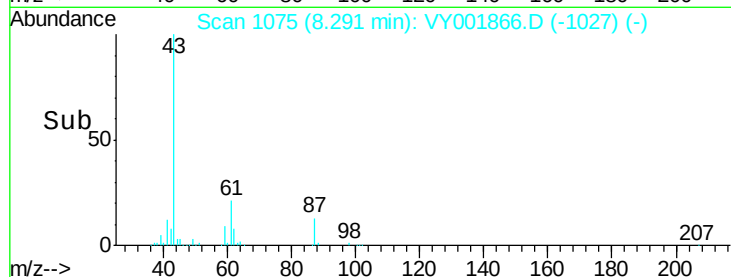
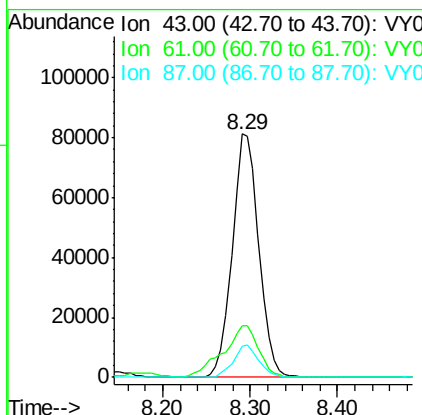
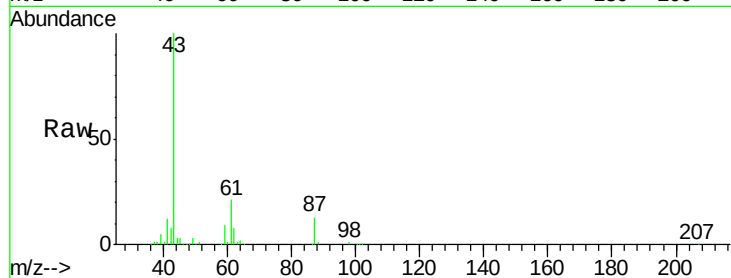
#43
Isopropyl Acetate
Concen: 55.745 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.6
87	12.8	10.9	16.3

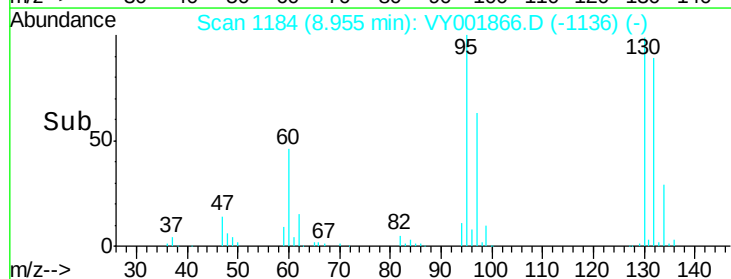
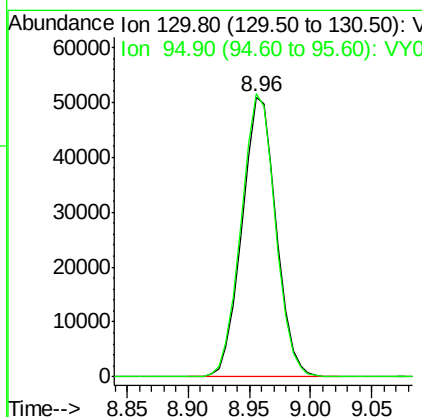
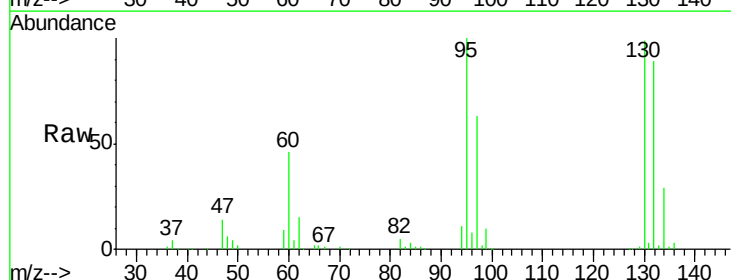
Manual Integrations
APPROVED

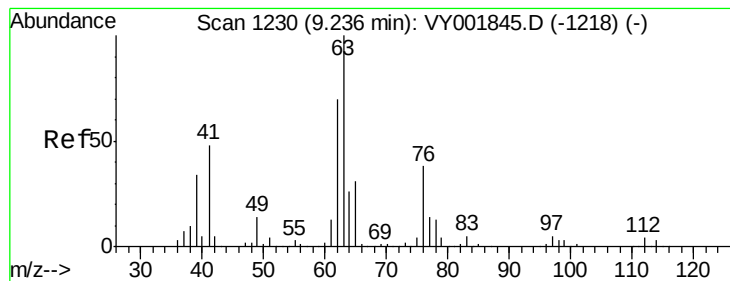
MMDadoda
3/5/2020 1:37:30 PM



#44
Trichloroethene
Concen: 49.130 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	204.6





#45

1,2-Dichloropropane

Concen: 51.654 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 107121

Ion Ratio Lower Upper

63 100

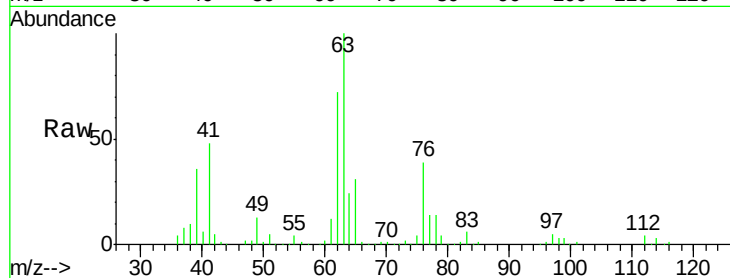
65 30.9 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

60000

50000

40000

30000

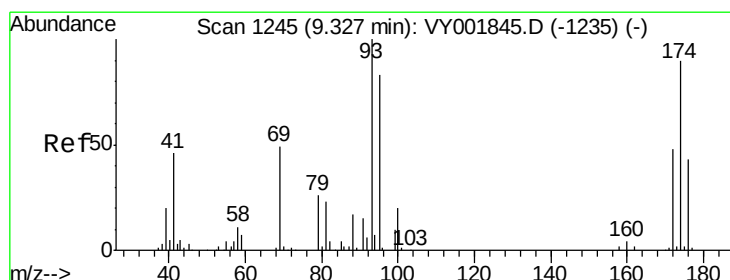
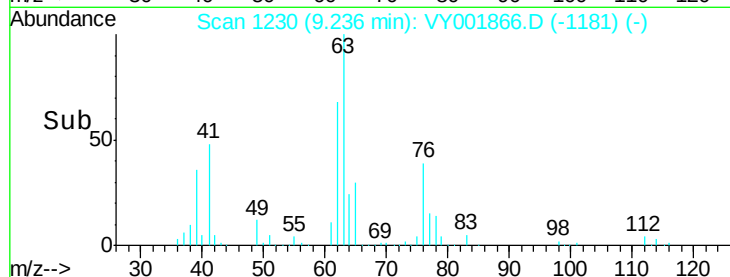
20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 53.700 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

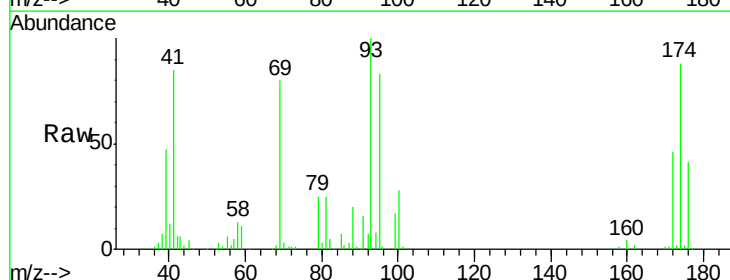
Tgt Ion: 93 Resp: 57389

Ion Ratio Lower Upper

93 100

95 80.9 67.0 100.4

174 87.9 71.8 107.8



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

40000

30000

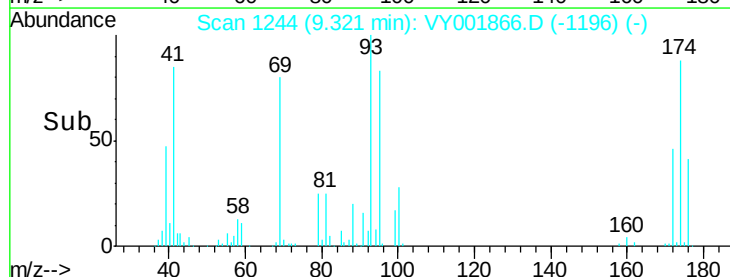
20000

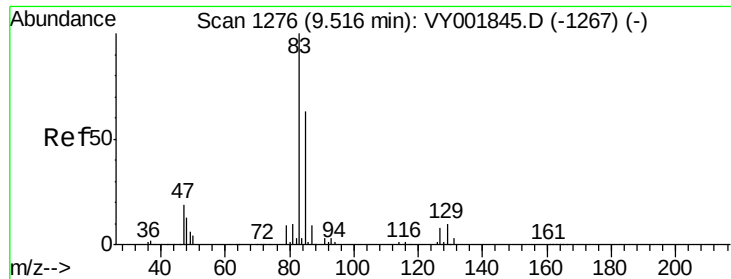
10000

0

9.25 9.30 9.35 9.40

Time-->





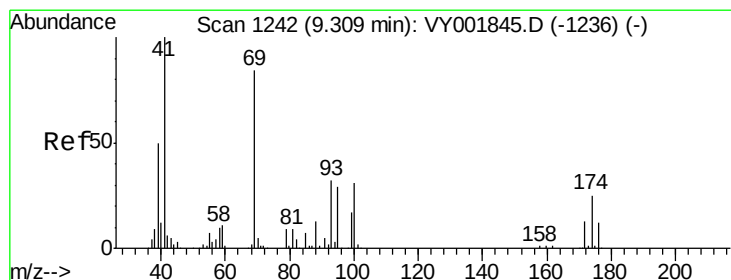
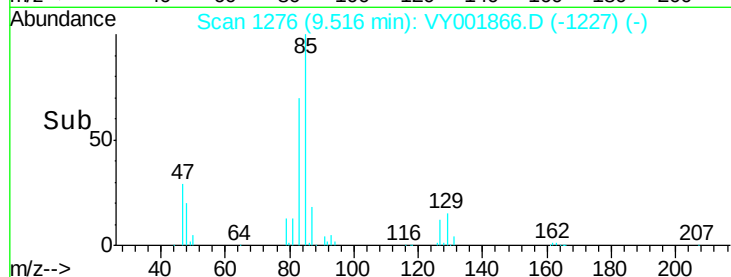
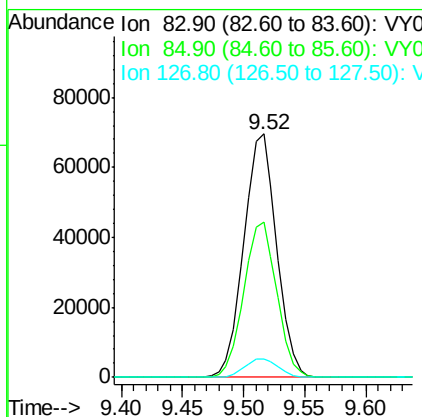
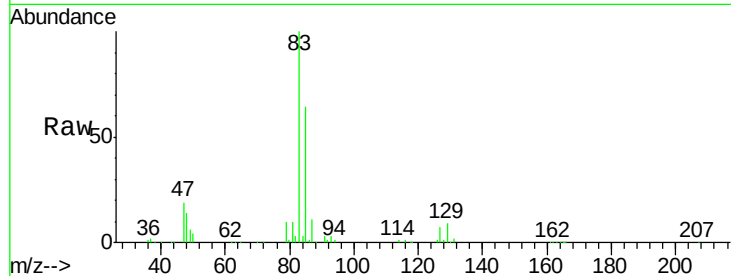
#47
Bromodichloromethane
Concen: 52.275 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	76.0
127	7.5	6.2	9.4

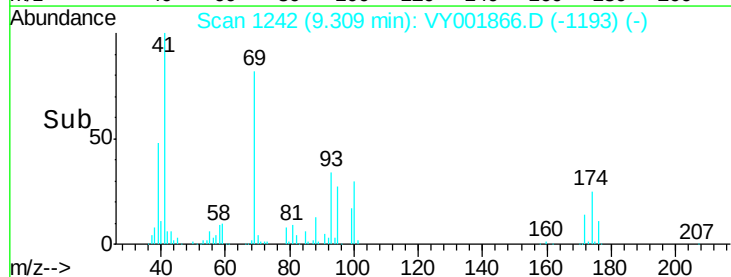
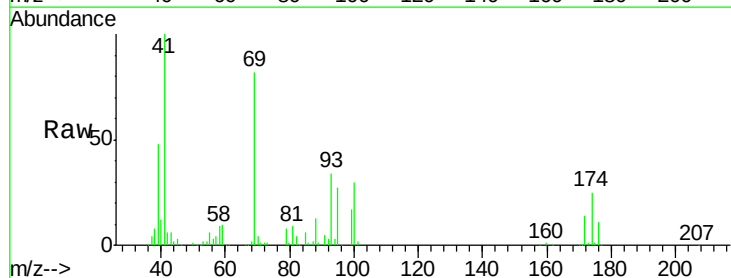
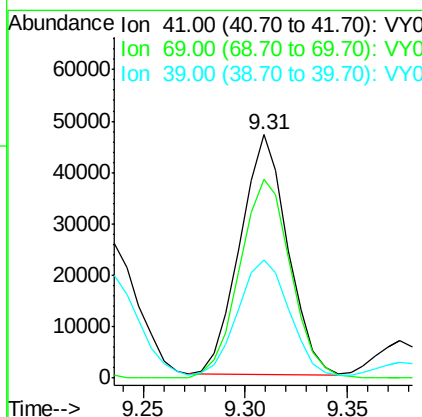
Manual Integrations
APPROVED

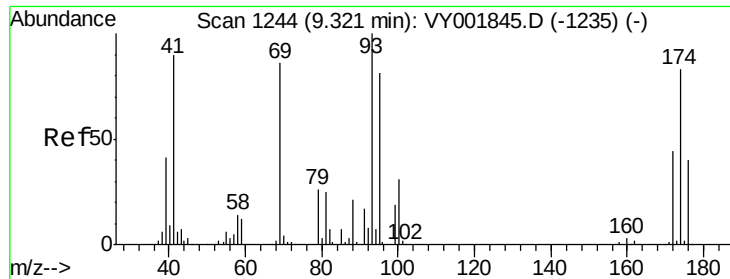
MMDadoda
3/5/2020 1:37:30 PM



#48
Methyl methacrylate
Concen: 56.006 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	69.0	103.6
39	51.8	39.1	58.7





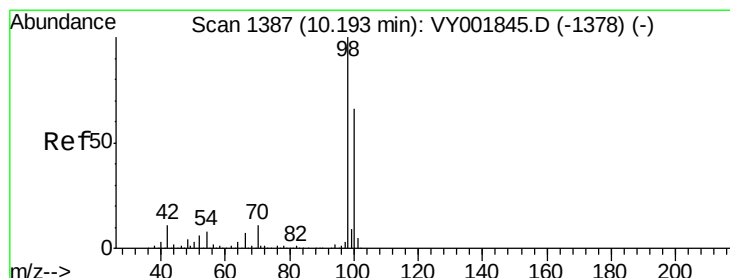
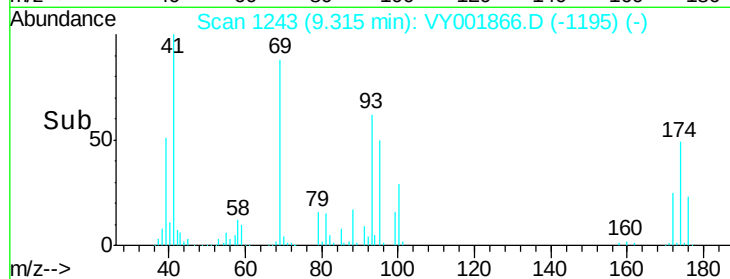
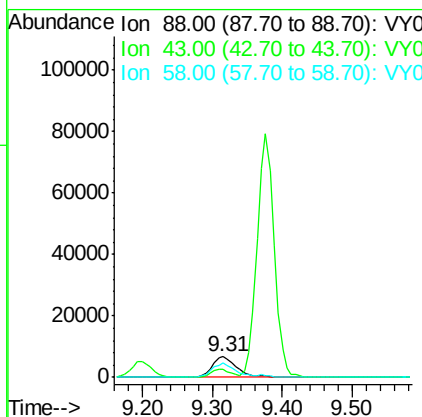
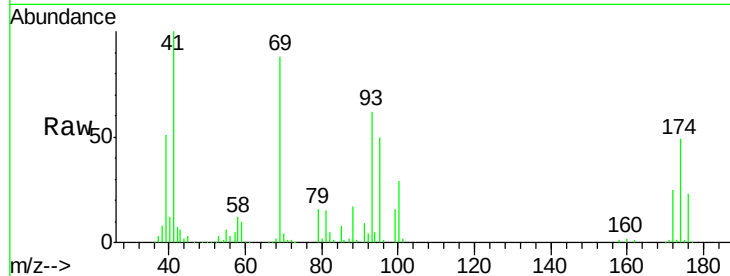
#49
 1,4-Dioxane
 Concen: 1168.616 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	17113
Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.0	37.6
58	63.1	58.9	88.3

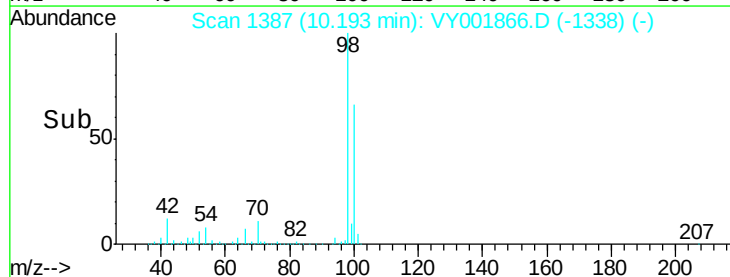
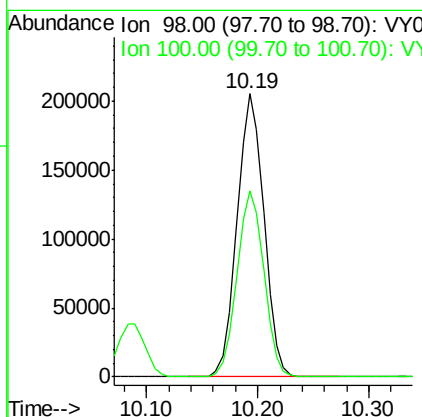
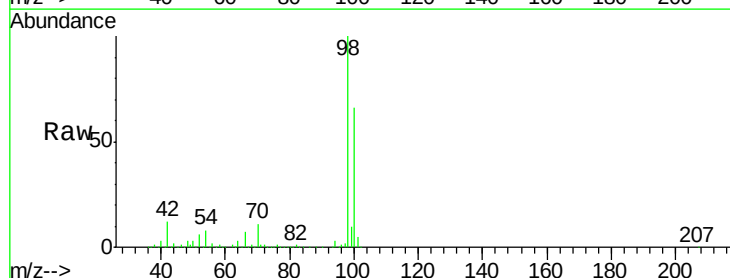
Manual Integrations
 APPROVED

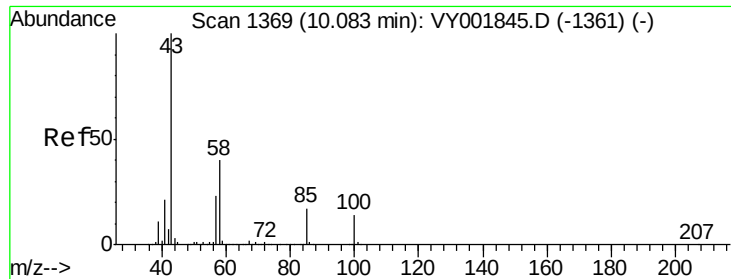
MMDadoda
 3/5/2020 1:37:30 PM



#50
 Toluene-d8
 Concen: 51.426 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	98	Resp	342489
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 285.783 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 450824

Ion Ratio Lower Upper

43 100

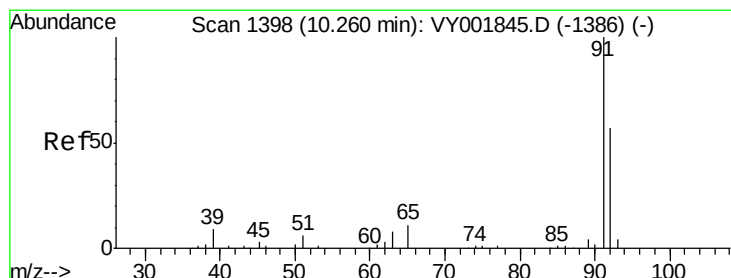
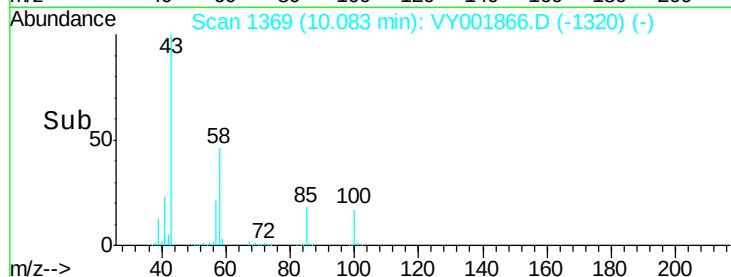
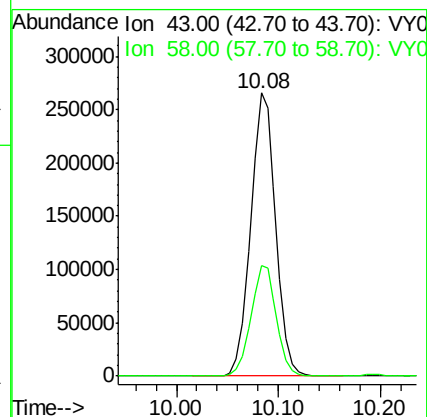
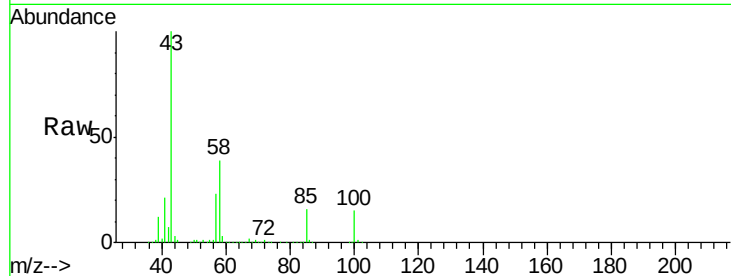
58 39.7 32.0 48.0

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#52

Toluene

Concen: 50.993 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001866.D

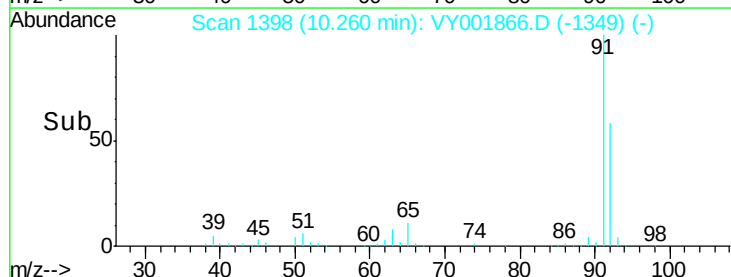
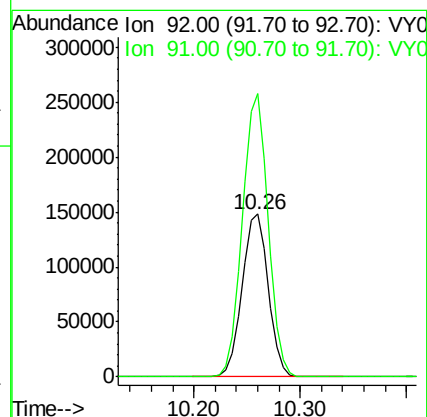
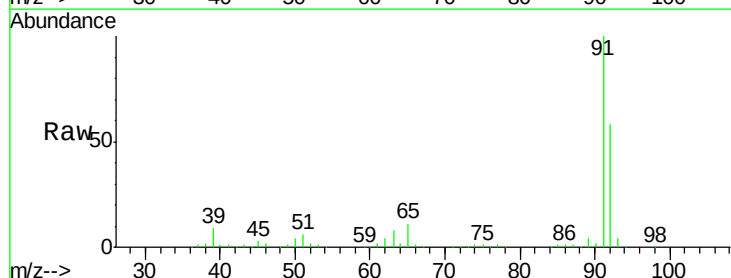
Acq: 04 Mar 2020 19:55

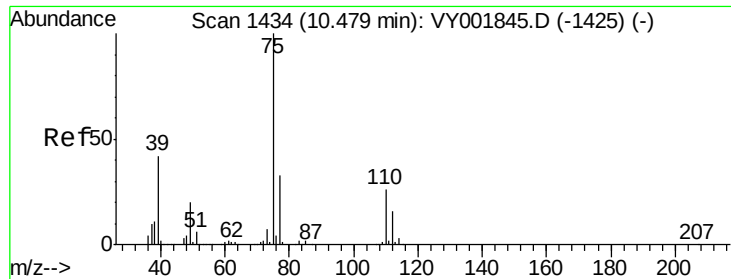
Tgt Ion: 92 Resp: 255554

Ion Ratio Lower Upper

92 100

91 171.2 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 53.869 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 145903

Ion Ratio Lower Upper

75 100

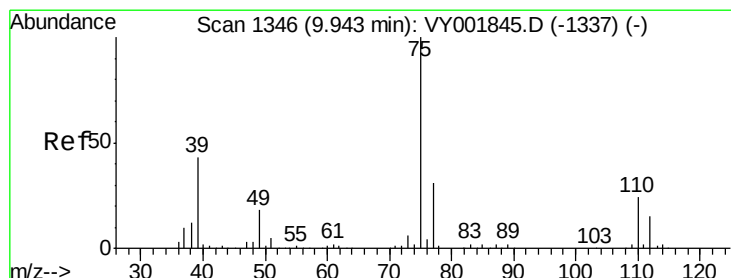
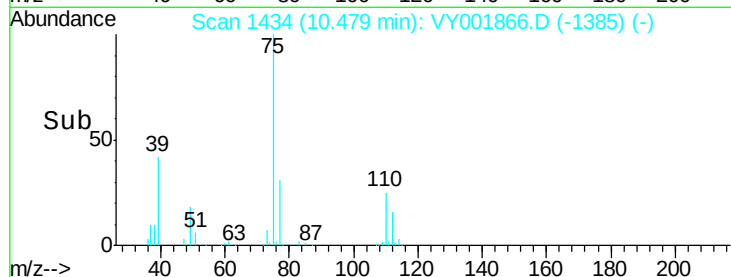
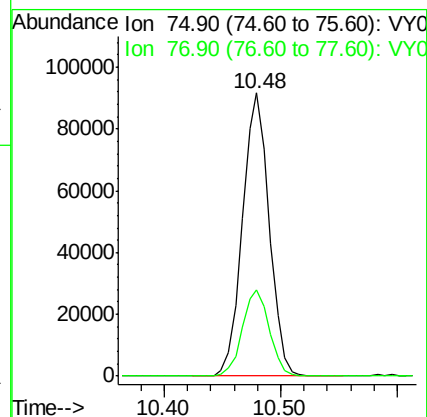
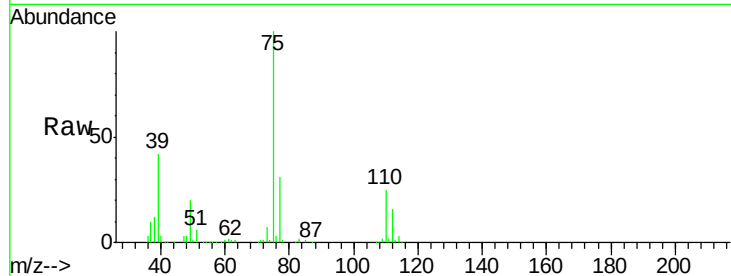
77 30.7 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#54

cis-1,3-Dichloropropene

Concen: 52.068 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

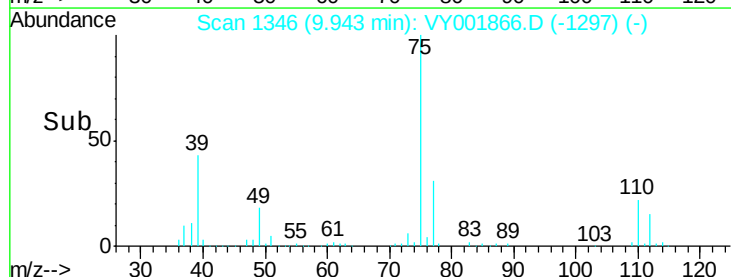
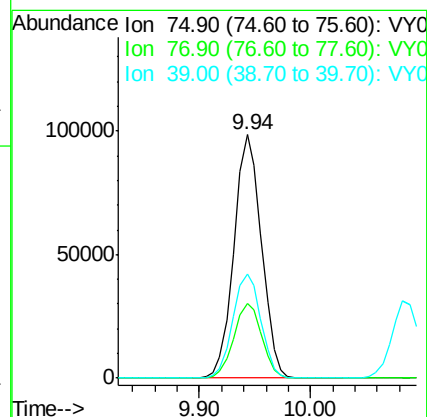
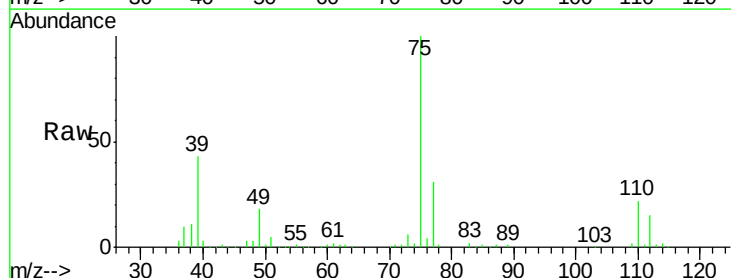
Tgt Ion: 75 Resp: 167882

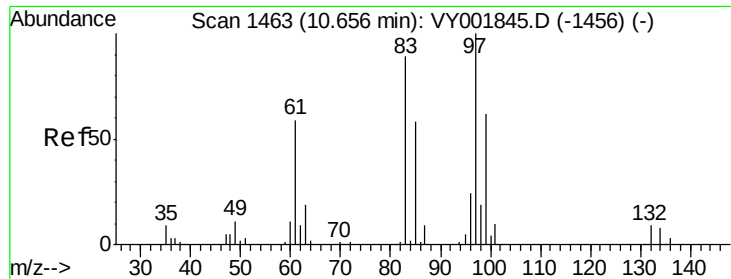
Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

39 43.0 34.7 52.1





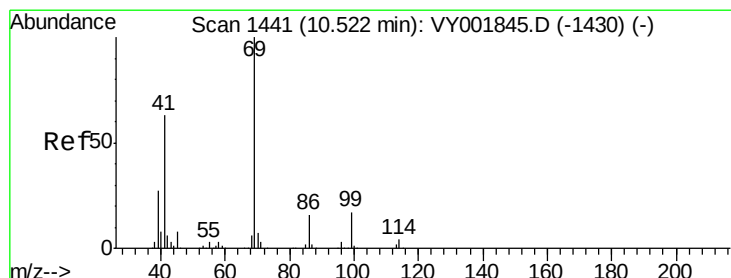
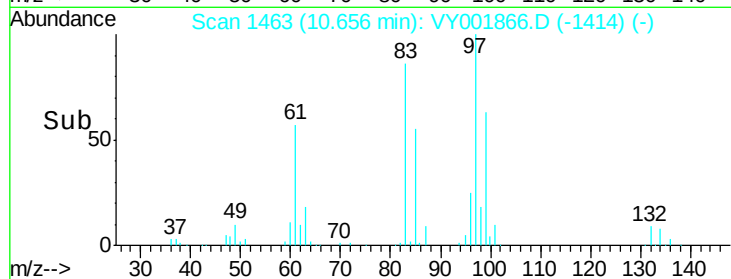
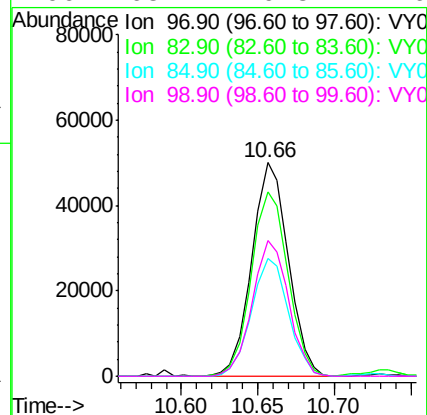
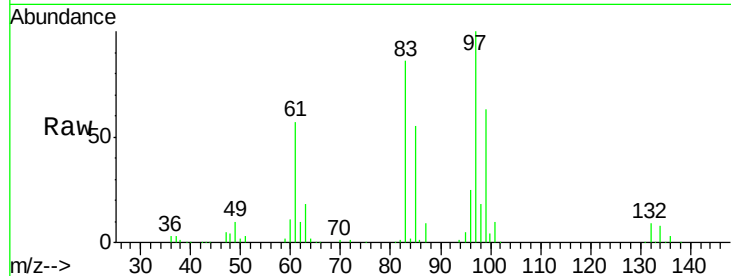
#55
 1,1,2-Trichloroethane
 Concen: 53.200 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	83206
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.6	107.4
85	55.0	46.6	69.8
99	63.4	49.8	74.6

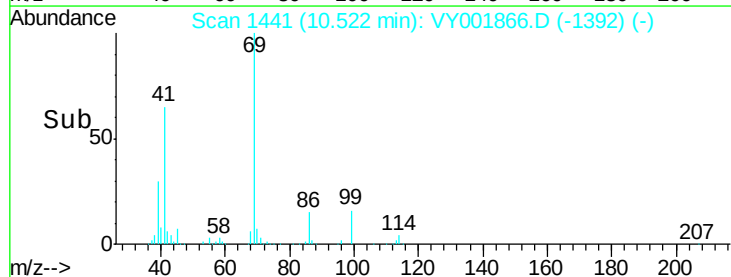
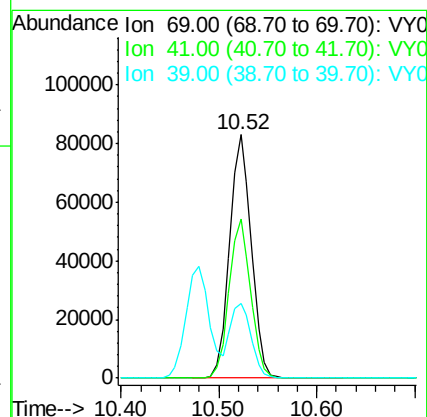
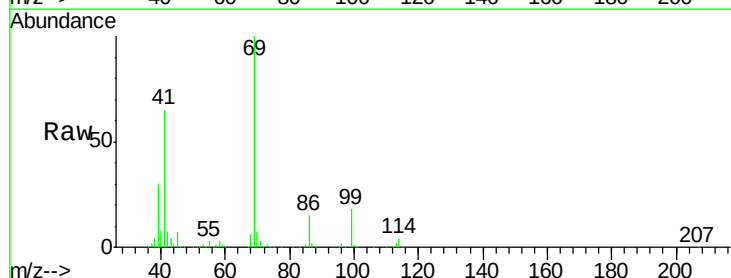
Manual Integrations
 APPROVED

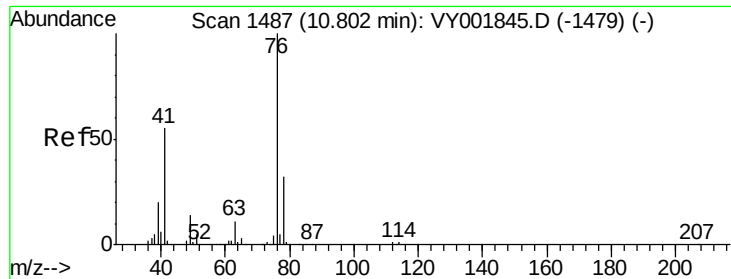
MMDadoda
 3/5/2020 1:37:30 PM



#56
 Ethyl methacrylate
 Concen: 55.485 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	69	Resp	127199
Ion	Ratio	Lower	Upper
69	100		
41	65.1	49.9	74.9
39	30.0	23.0	34.6





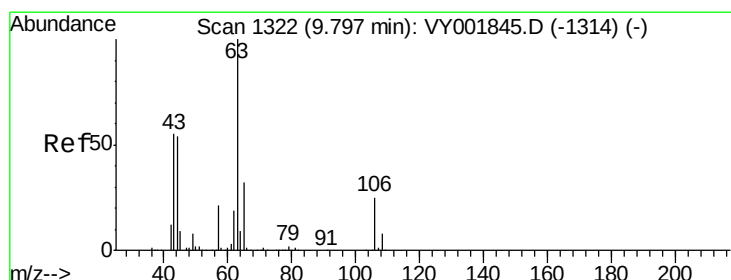
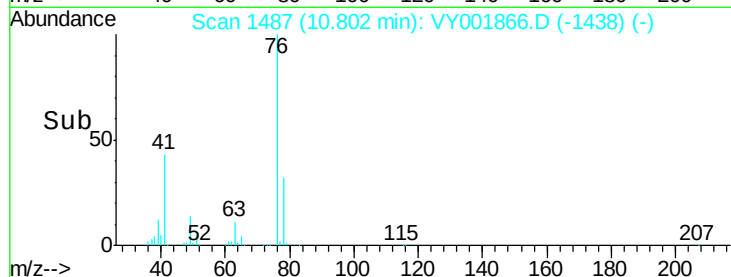
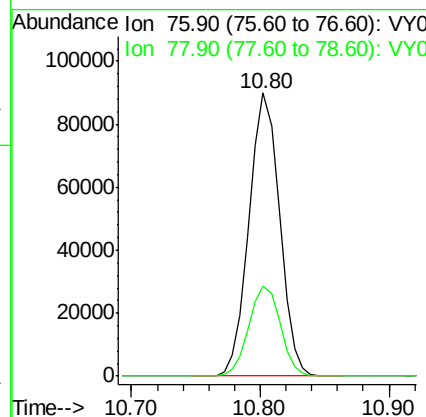
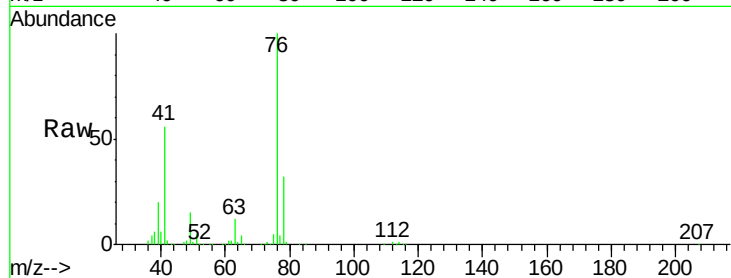
#57
 1,3-Dichloropropane
 Concen: 52.875 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

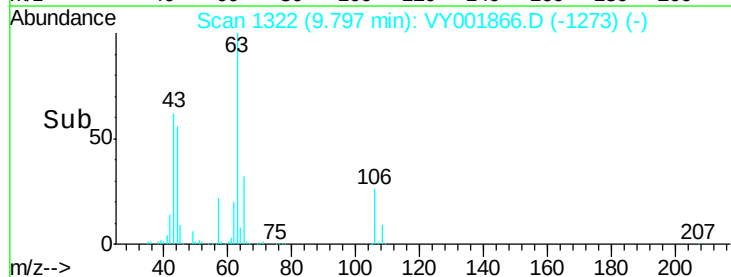
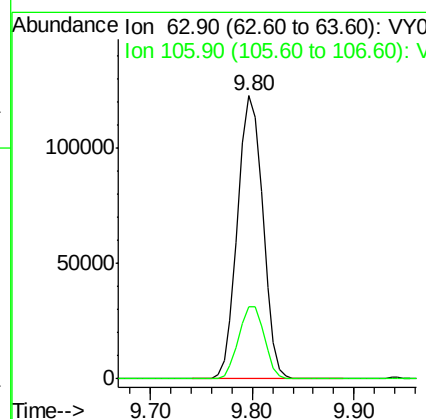
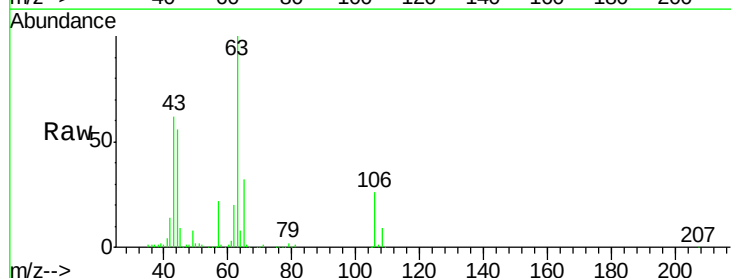
Manual Integrations
 APPROVED

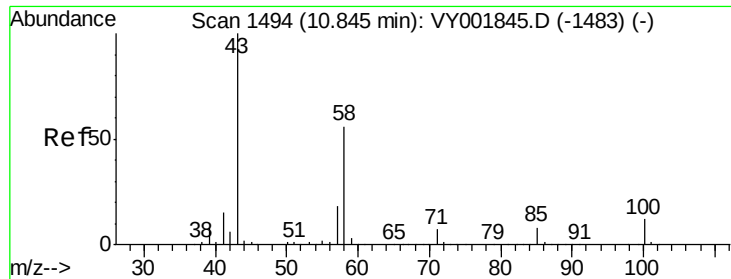
MMDadoda
 3/5/2020 1:37:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.673 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.3	31.9





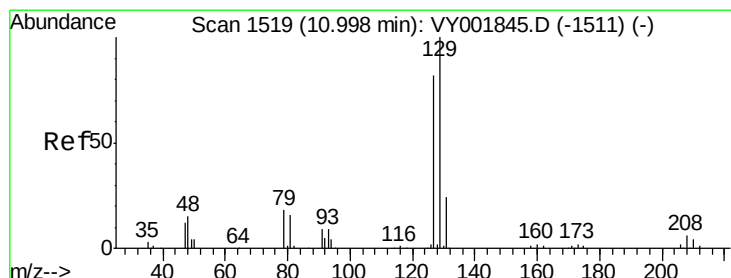
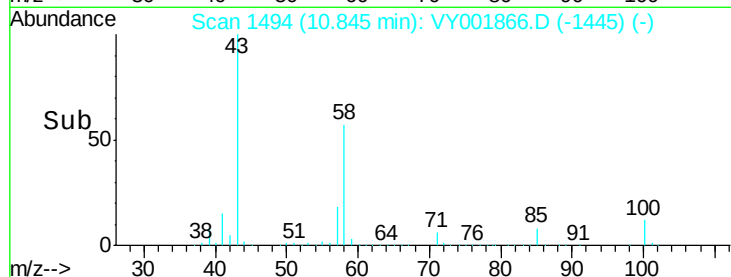
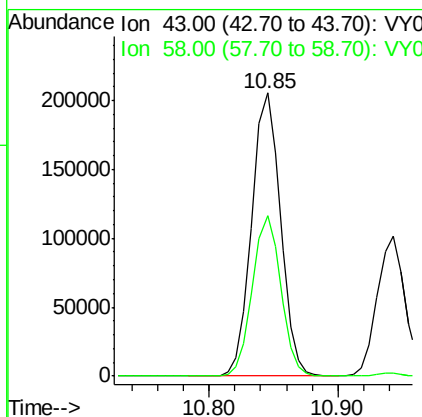
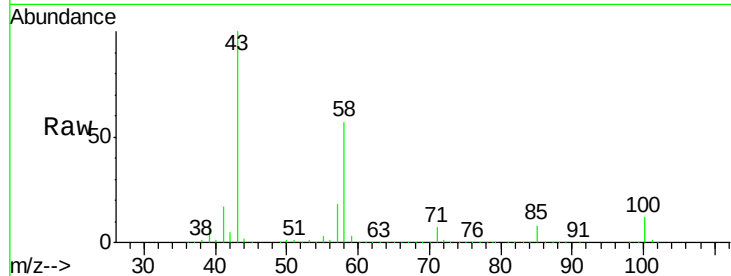
#59
2-Hexanone
Concen: 281.354 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 316790
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

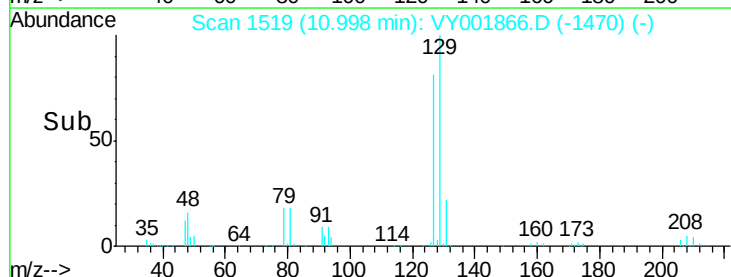
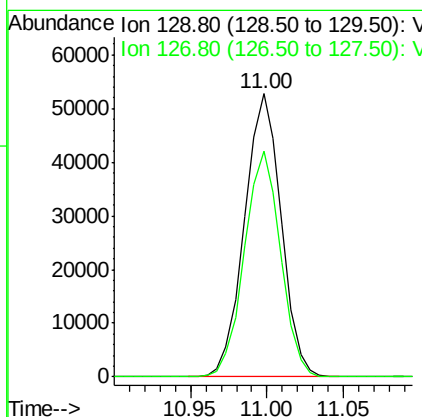
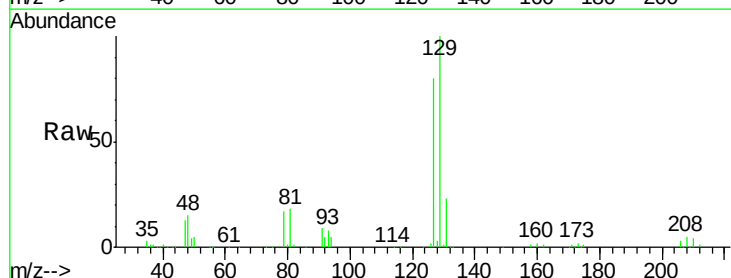
Manual Integrations
APPROVED

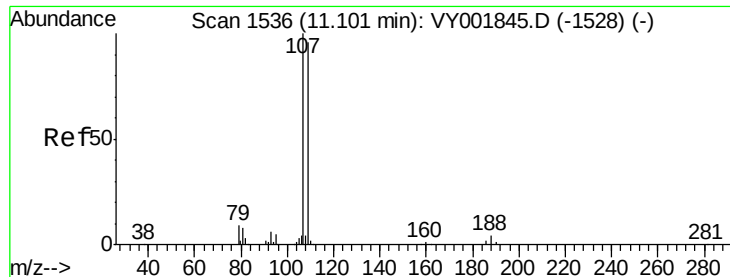
MMDadoda
3/5/2020 1:37:30 PM



#60
Dibromochloromethane
Concen: 53.334 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion: 129 Resp: 87897
Ion Ratio Lower Upper
129 100
127 78.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 53.500 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 79261

Ion Ratio Lower Upper

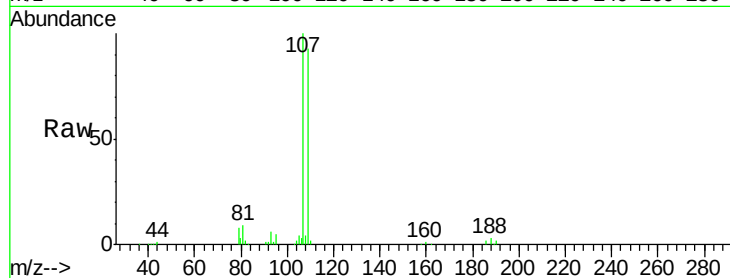
107 100

109 95.2 75.4 113.0

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.10

50000

40000

30000

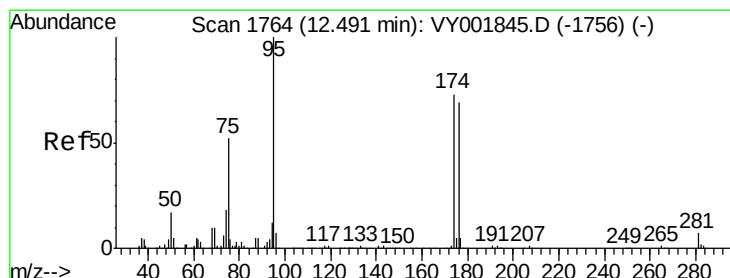
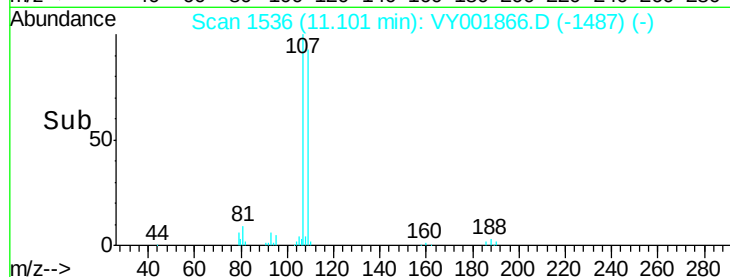
20000

10000

0

Time-->

11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 52.671 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

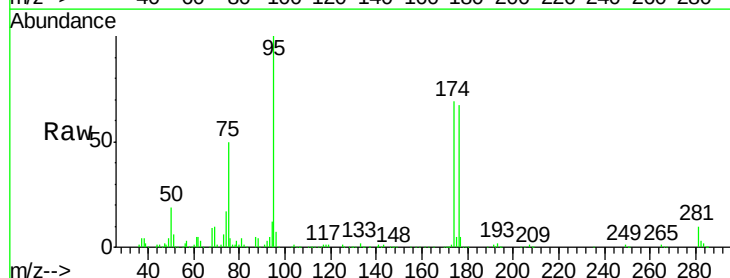
Tgt Ion: 95 Resp: 121971

Ion Ratio Lower Upper

95 100

174 71.0 0.0 145.0

176 68.2 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

100000

80000

60000

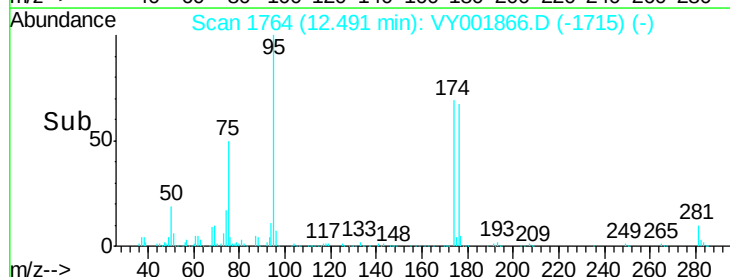
40000

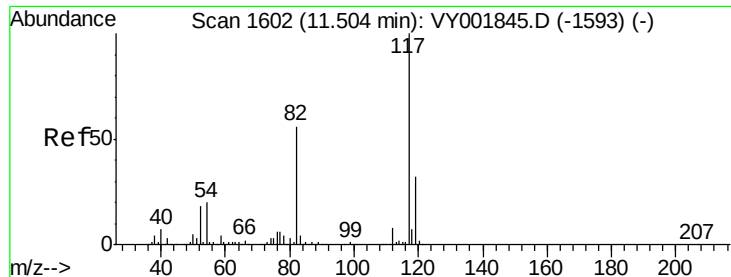
20000

0

Time-->

12.40 12.45 12.50 12.55





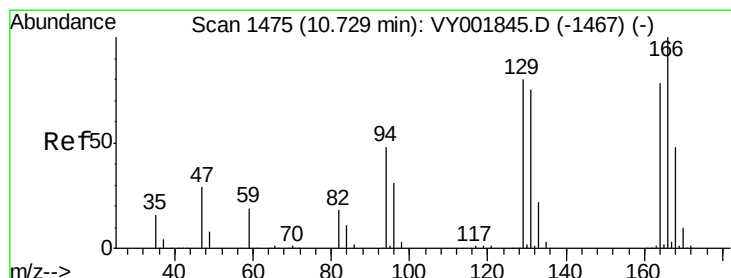
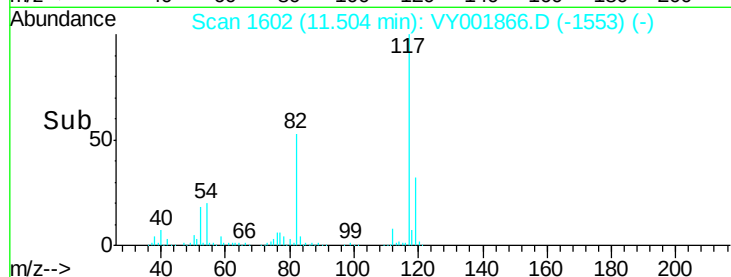
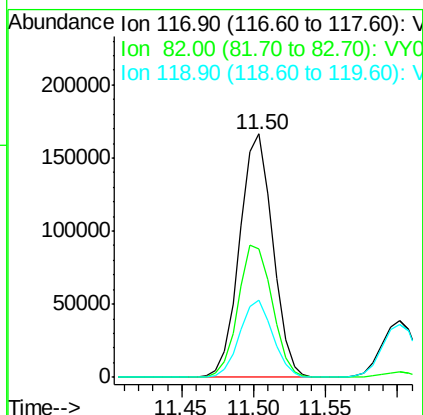
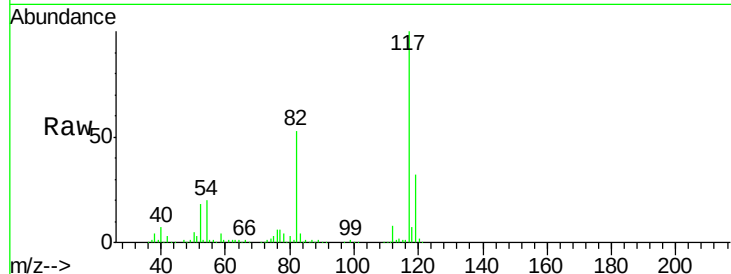
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.5	66.7
119	31.5	25.7	38.5

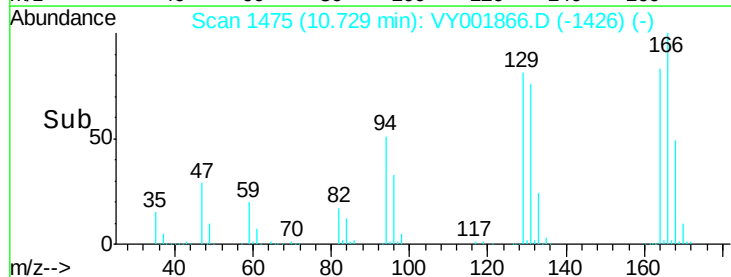
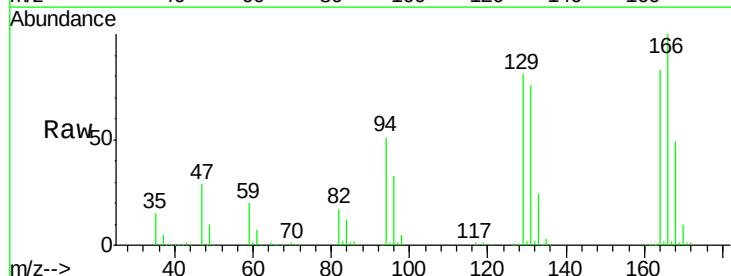
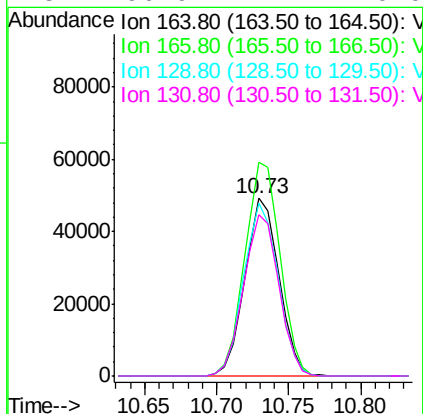
Manual Integrations
APPROVED

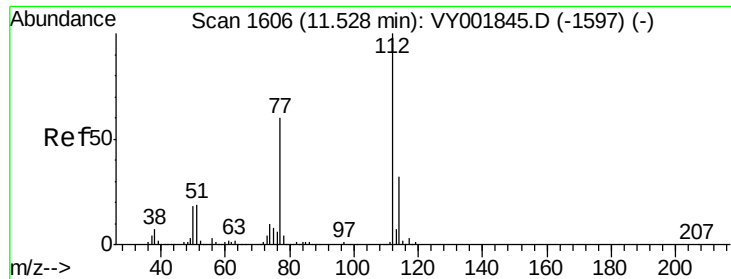
MMDadoda
3/5/2020 1:37:30 PM



#64
Tetrachloroethene
Concen: 48.256 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.3	102.6	154.0
129	97.5	82.3	123.5
131	90.9	77.4	116.0





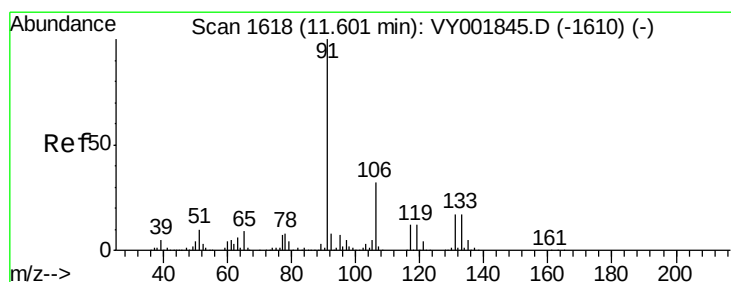
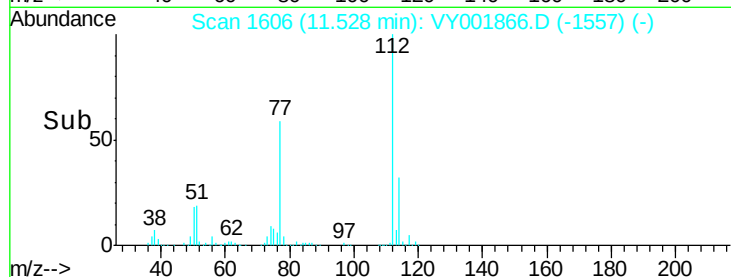
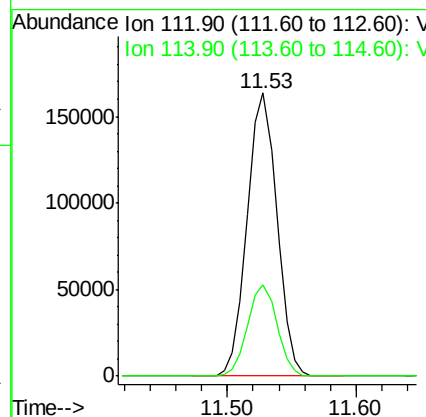
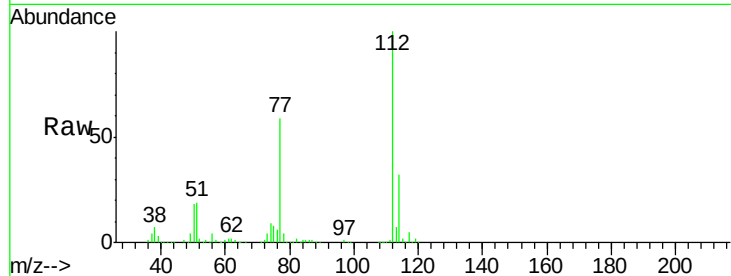
#65
Chlorobenzene
Concen: 49.300 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

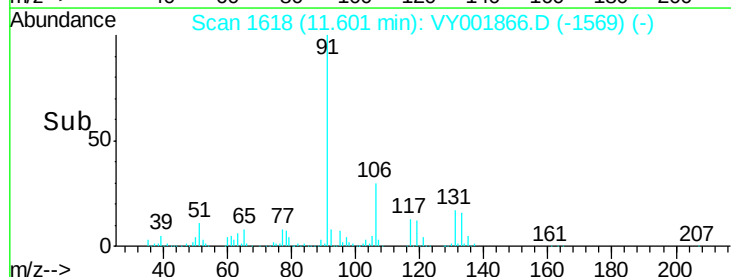
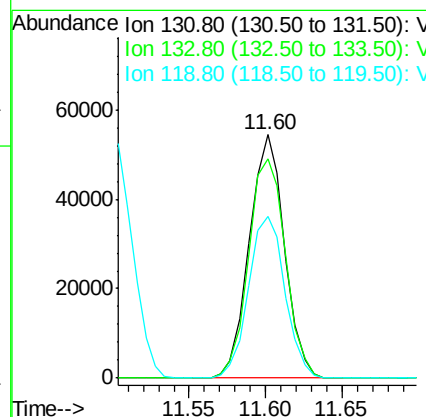
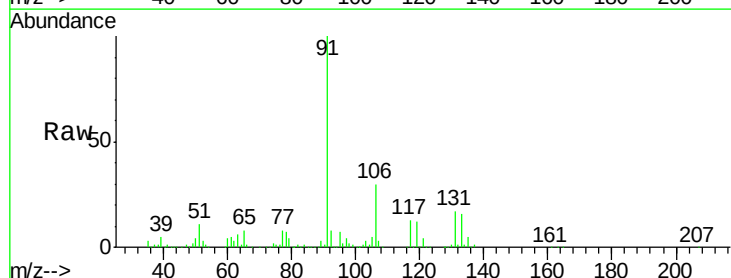
Manual Integrations
APPROVED

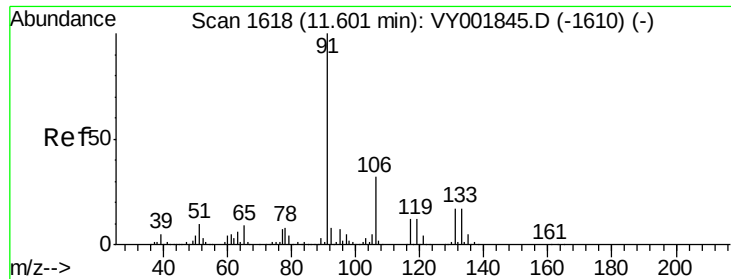
MMDadoda
3/5/2020 1:37:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.999 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.3
119	69.1	34.5	103.6





#67

Ethyl Benzene

Concen: 49.192 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 485470

Ion Ratio Lower Upper

91 100

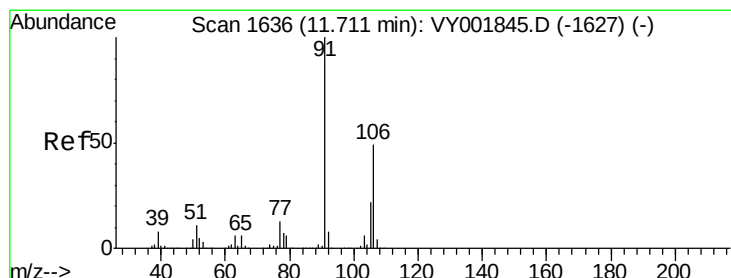
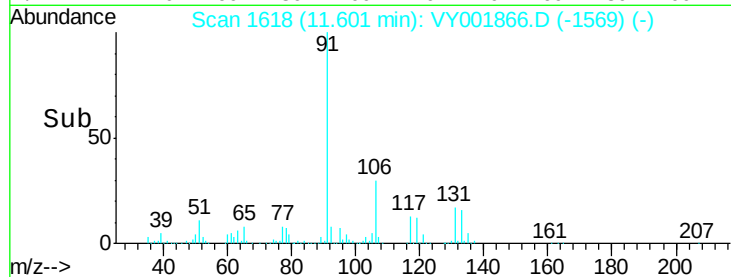
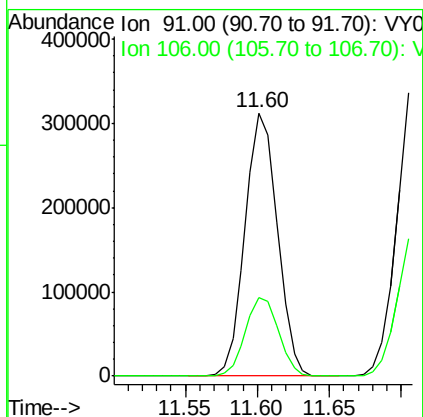
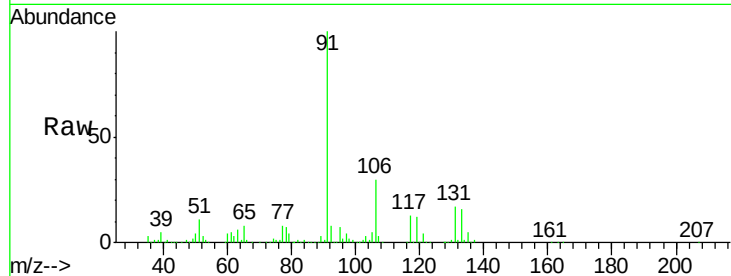
106 29.8 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#68

m/p-Xylenes

Concen: 98.867 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001866.D

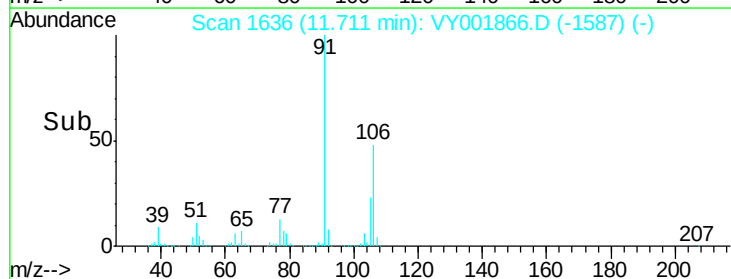
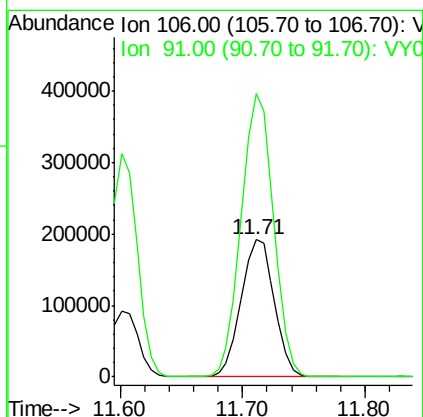
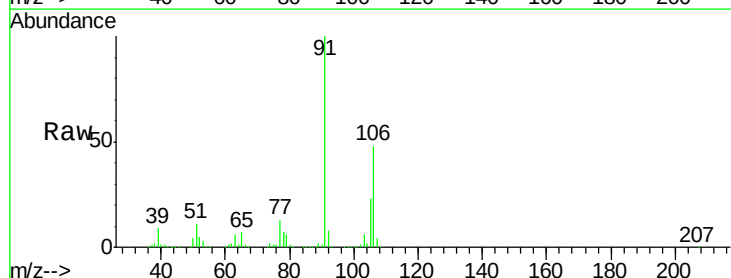
Acq: 04 Mar 2020 19:55

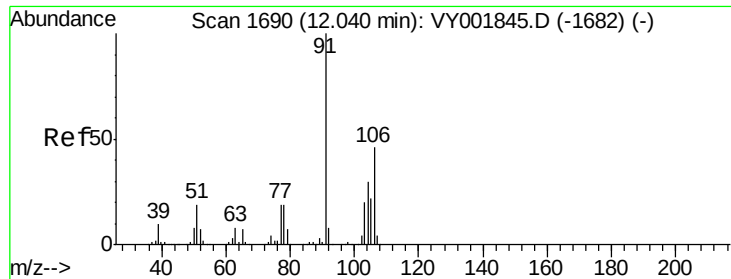
Tgt Ion: 106 Resp: 360728

Ion Ratio Lower Upper

106 100

91 202.2 161.3 241.9





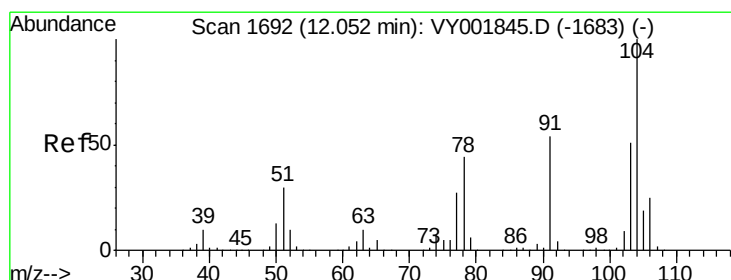
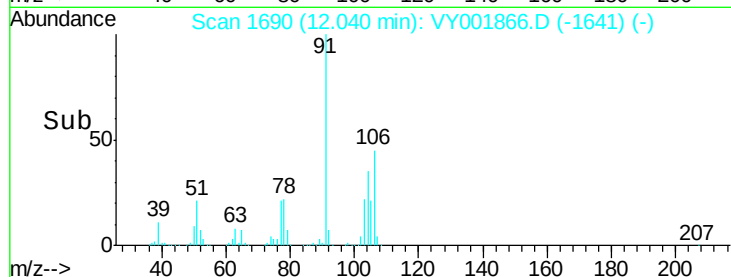
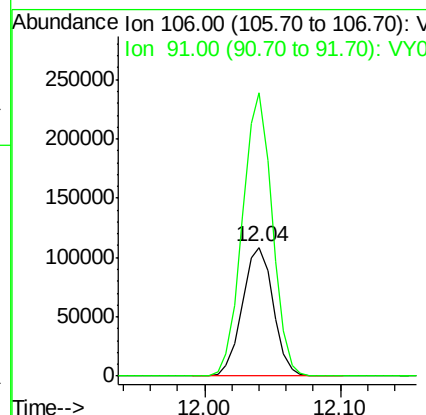
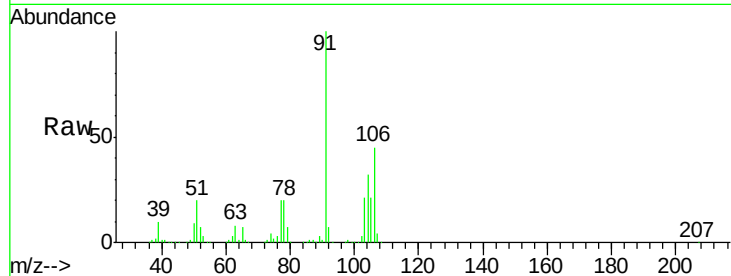
#69
o-Xylene
Concen: 50.023 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.9	106.8	320.4	

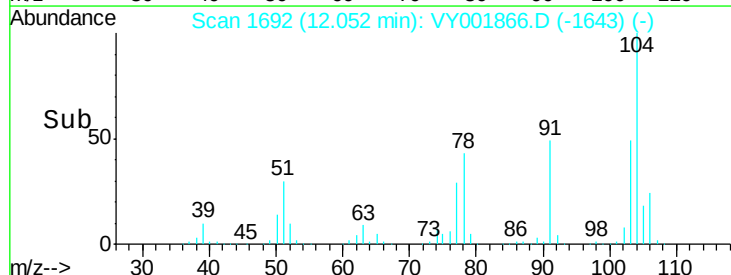
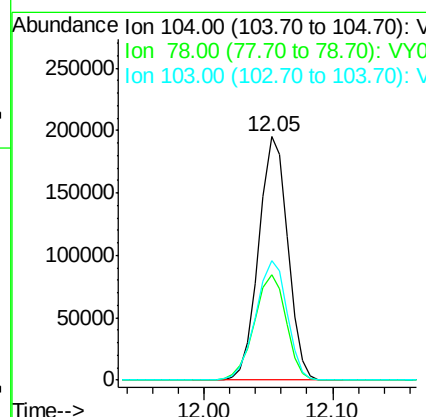
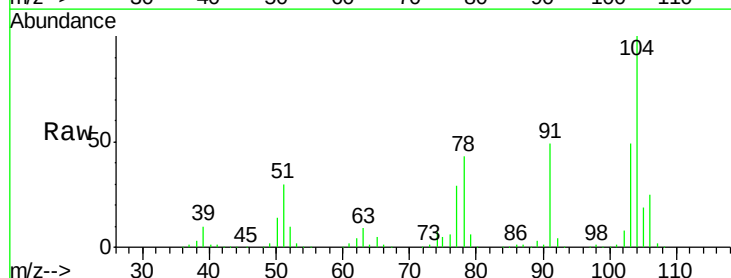
Manual Integrations
APPROVED

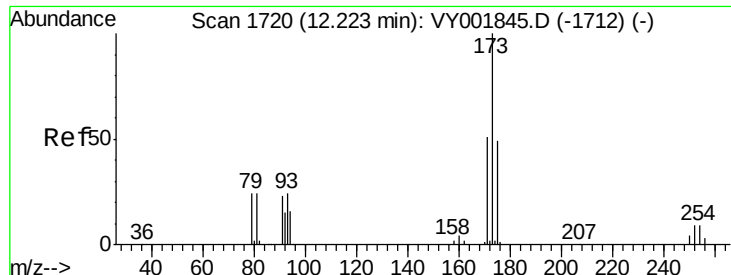
MMDadoda
3/5/2020 1:37:30 PM



#70
Styrene
Concen: 51.489 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	38.5	57.7	
103	53.3	42.9	64.3	





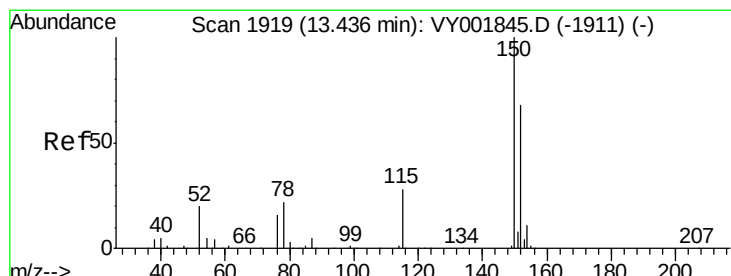
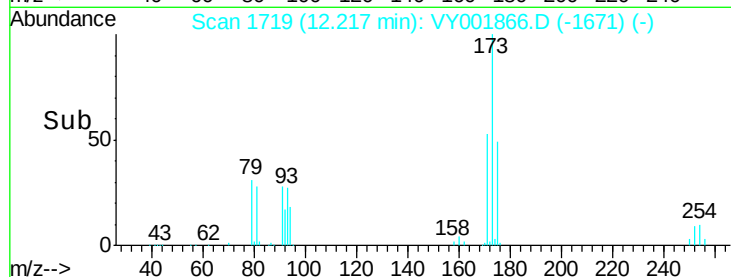
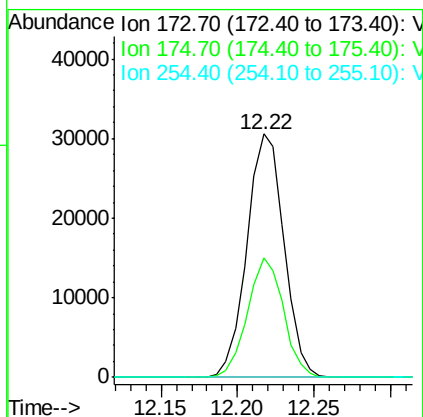
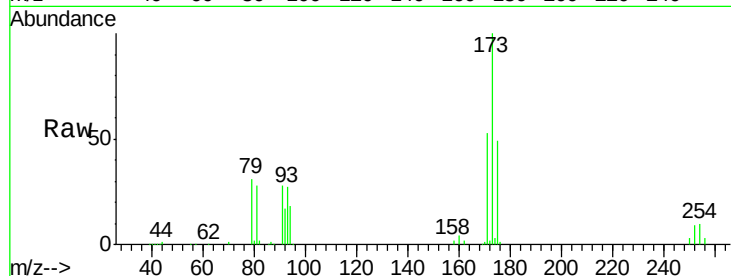
#71
Bromoform
Concen: 54.705 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	72.8
254	0.0	0.0	0.0

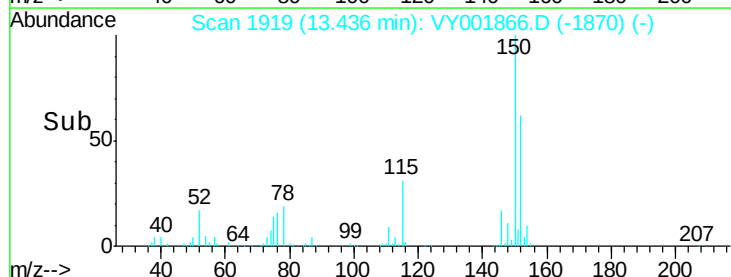
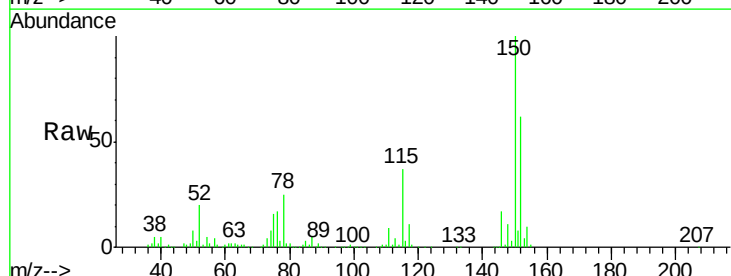
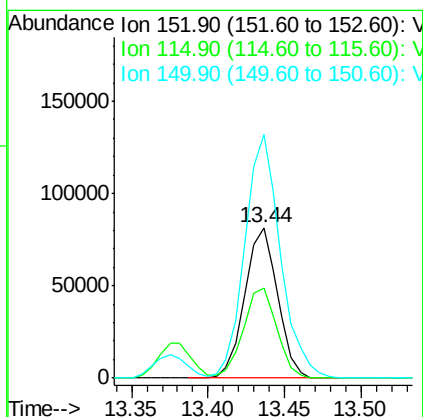
Manual Integrations
APPROVED

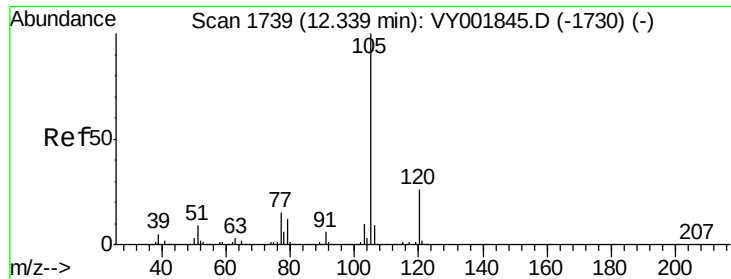
MMDadoda
3/5/2020 1:37:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.9	89.7
150	175.5	0.0	340.6





#73

Isopropylbenzene

Concen: 49.420 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 458605

Ion Ratio Lower Upper

105 100

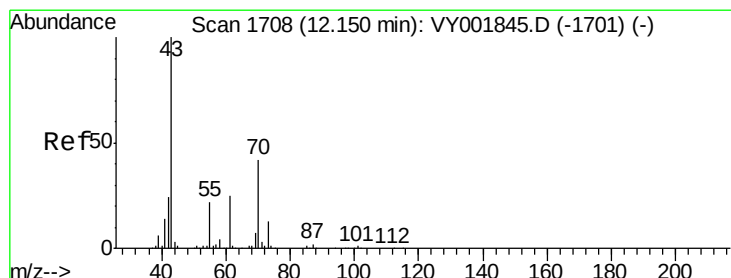
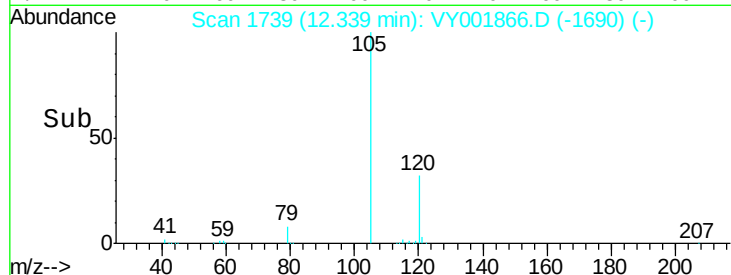
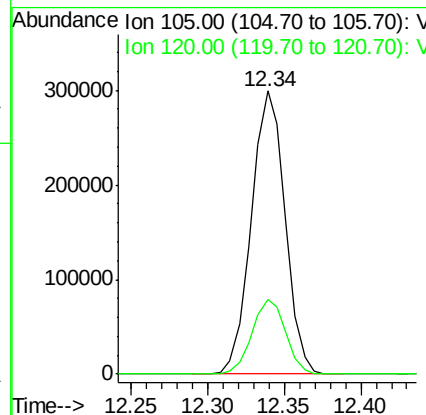
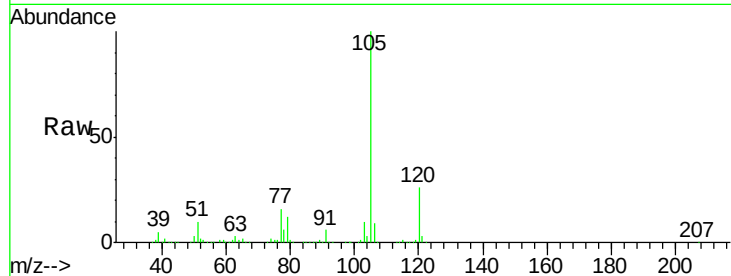
120 26.2 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:30 PM



#74

N-ethyl acetate

Concen: 55.769 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion: 43 Resp: 159055

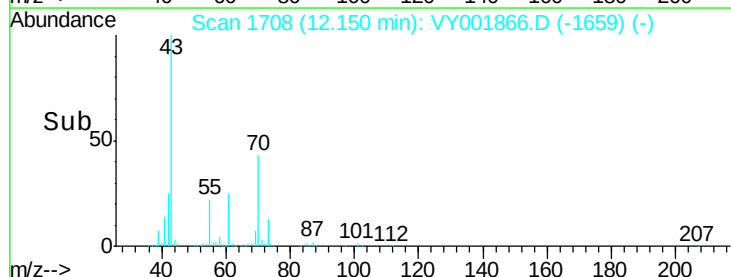
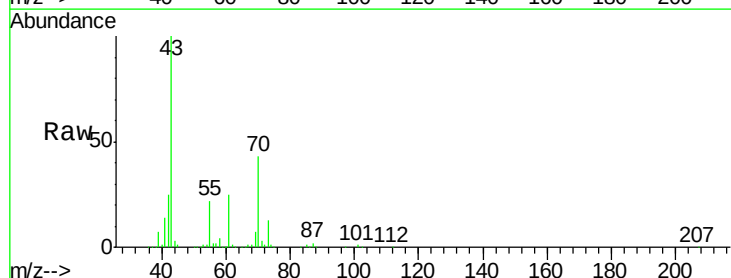
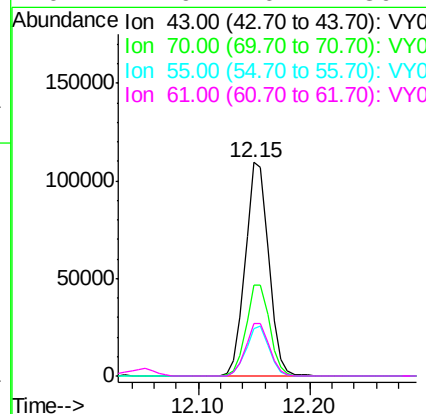
Ion Ratio Lower Upper

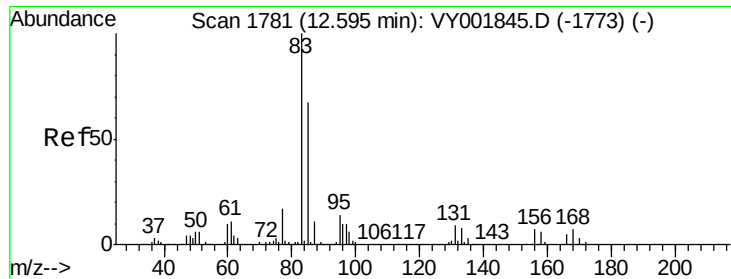
43 100

70 42.9 34.7 52.1

55 23.2 18.2 27.4

61 24.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.290 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

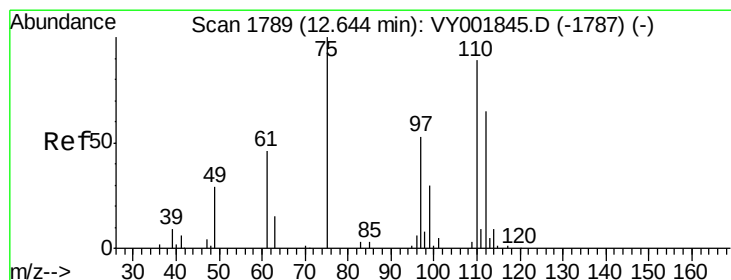
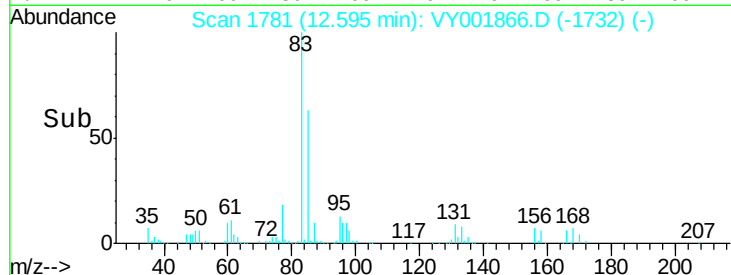
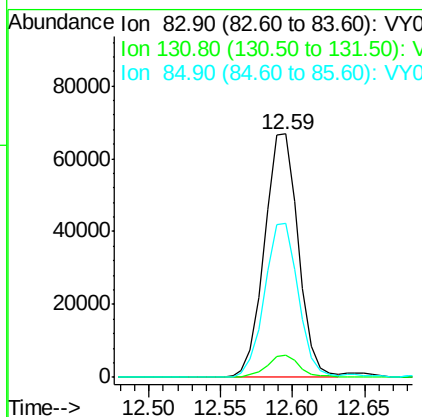
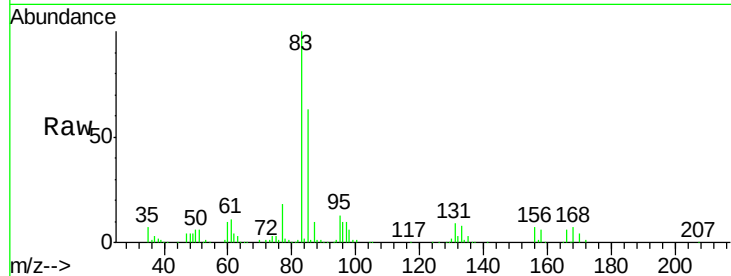
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	108641
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	63.0	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#76

1,2,3-Trichloropropane

Concen: 48.884 ug/l m

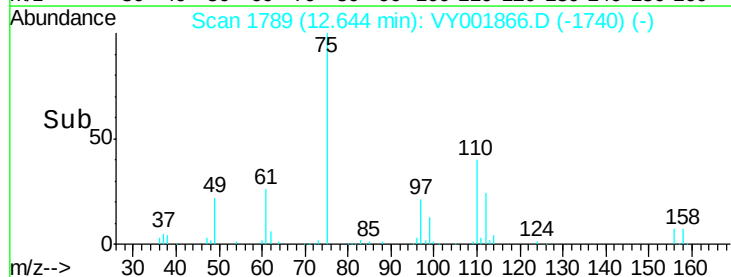
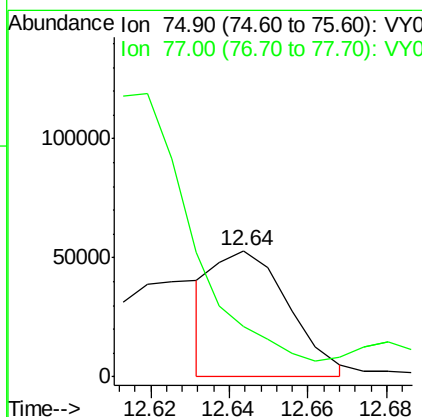
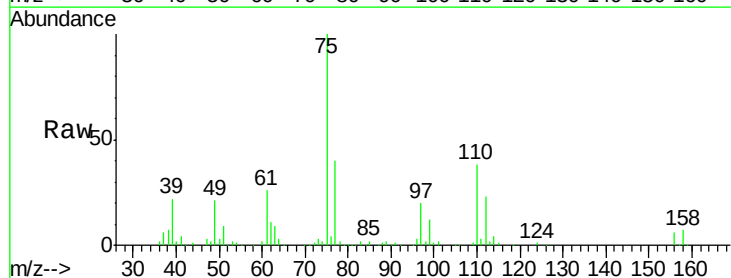
RT: 12.64 min Scan# 1789

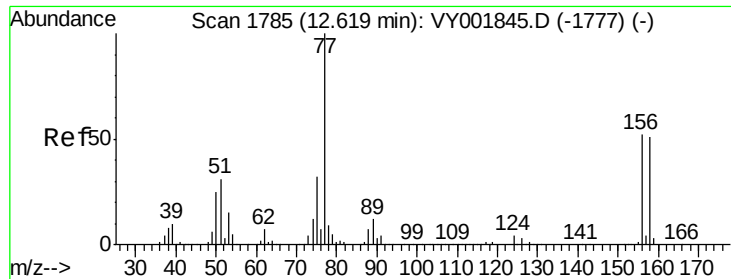
Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion:	75	Resp:	70510
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.243 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

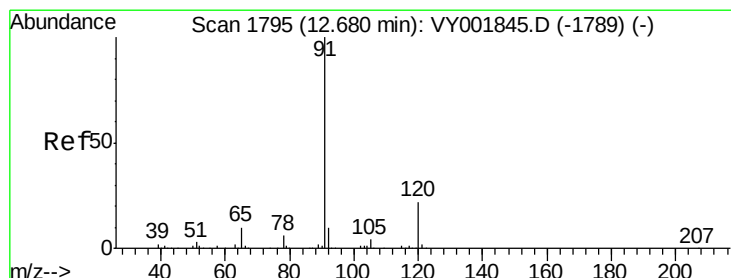
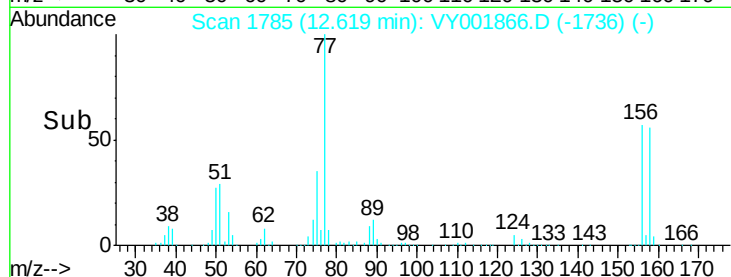
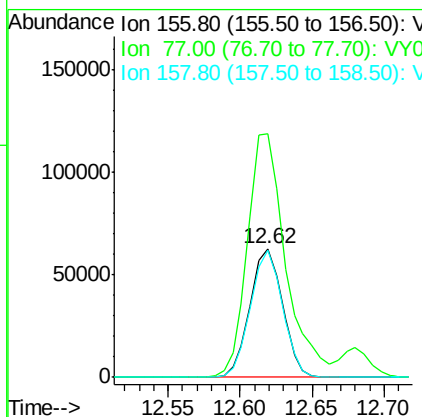
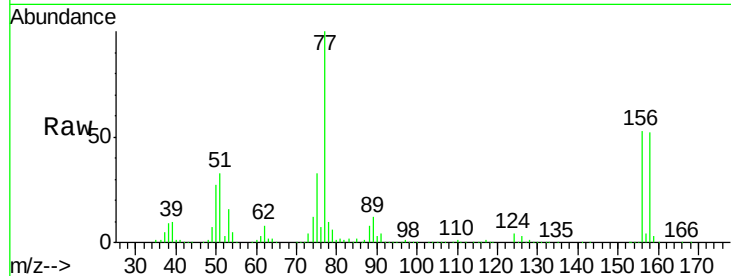
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	220.4	109.0	327.0	
158	97.1	48.9	146.8	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#78

n-propylbenzene

Concen: 49.411 ug/l

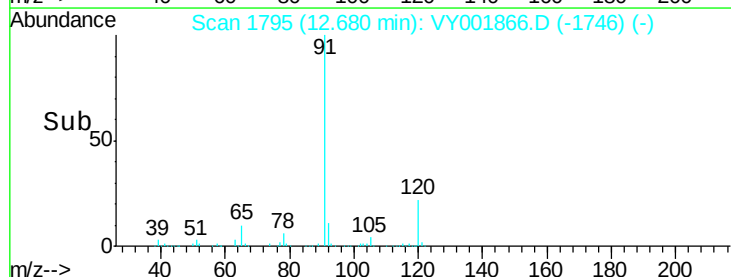
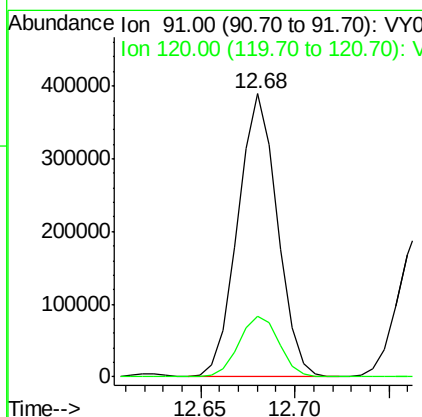
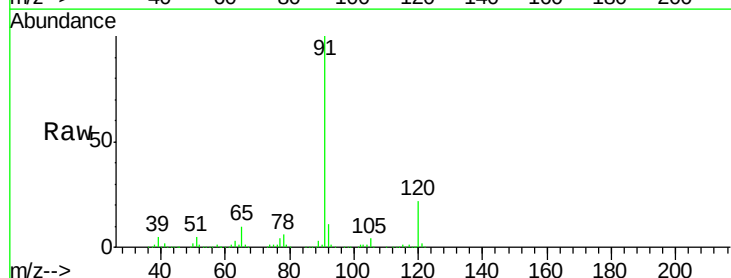
RT: 12.68 min Scan# 1795

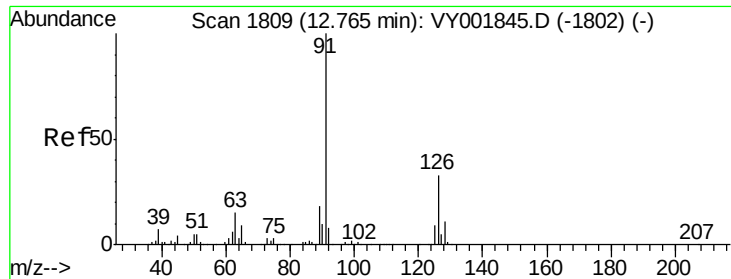
Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.0	33.0	





#79

2-Chlorotoluene

Concen: 49.607 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 313766

Ion Ratio Lower Upper

91 100

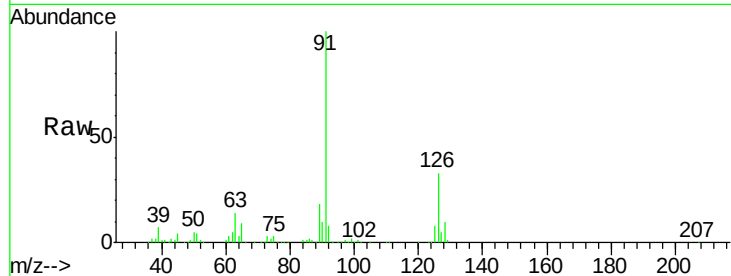
126 33.1 16.3 48.8

Manual Integrations

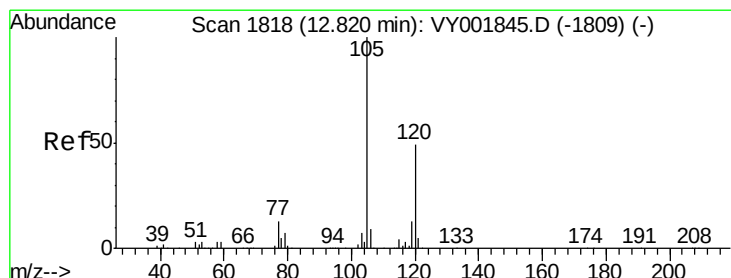
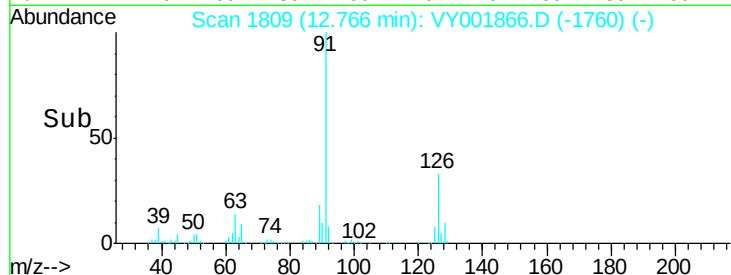
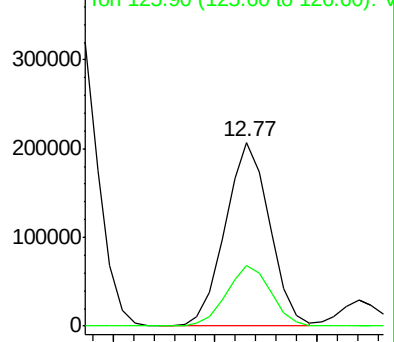
APPROVED

MMDadoda

3/5/2020 1:37:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.396 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001866.D

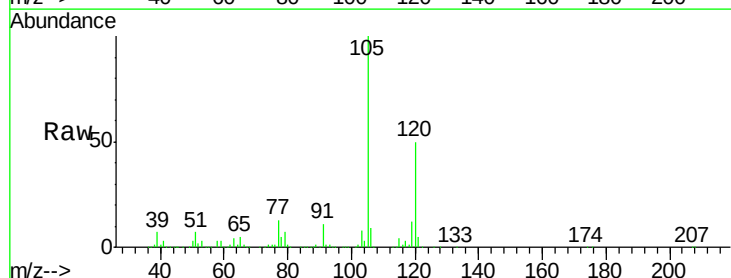
Acq: 04 Mar 2020 19:55

Tgt Ion: 105 Resp: 377357

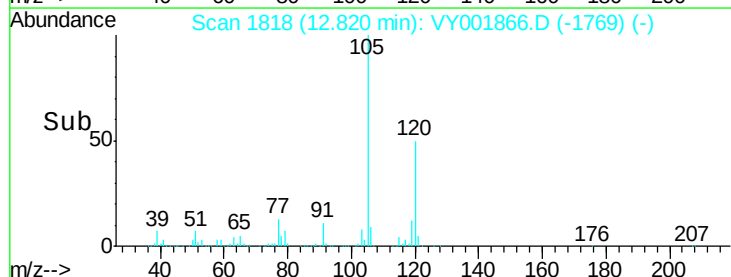
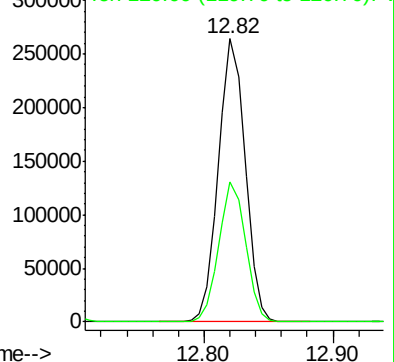
Ion Ratio Lower Upper

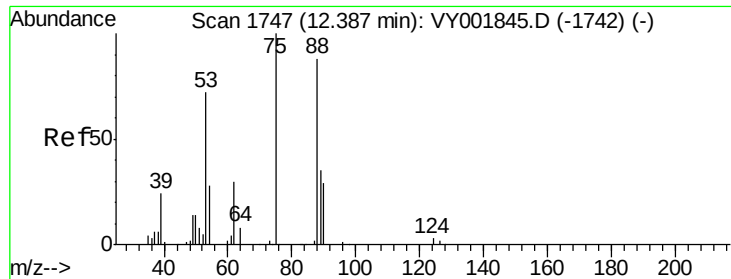
105 100

120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





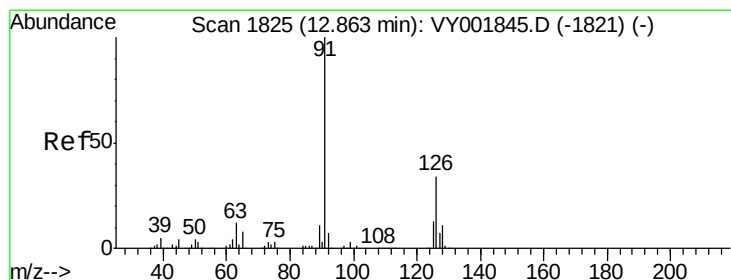
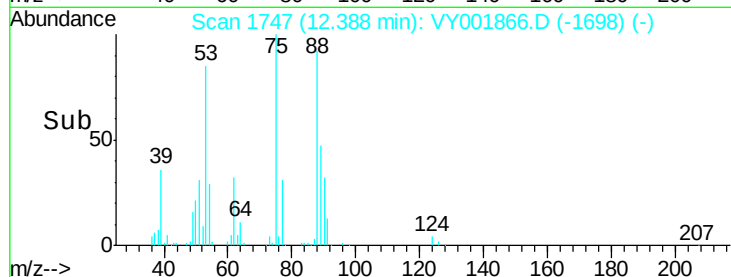
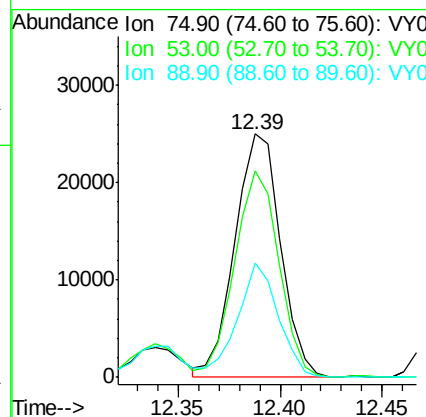
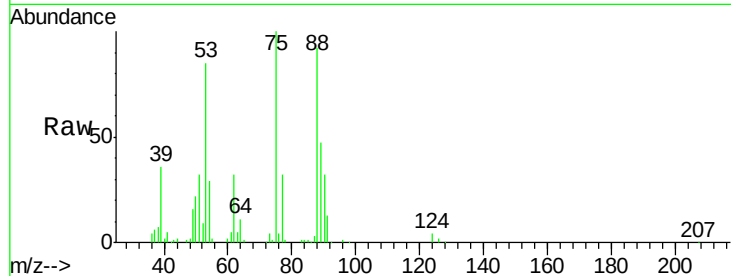
#81
trans-1,4-Dichloro-2-butene
Concen: 54.032 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.0	65.4	98.0
89	41.9	36.0	54.0

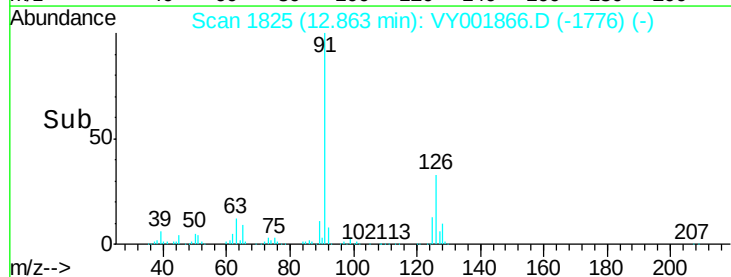
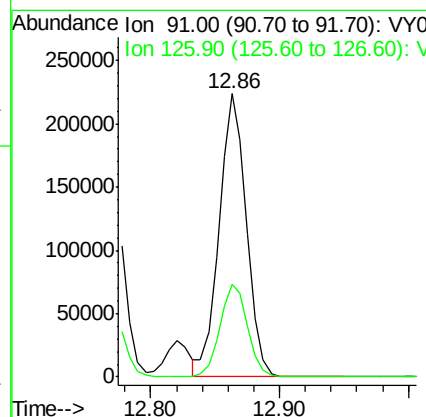
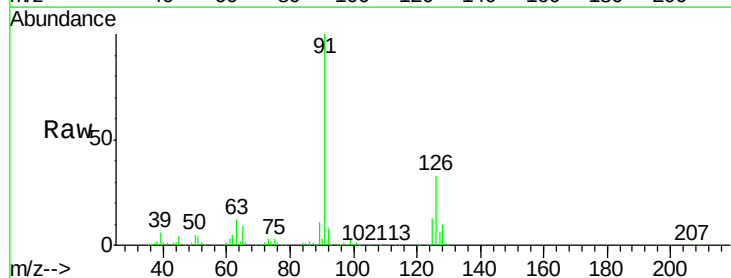
Manual Integrations
APPROVED

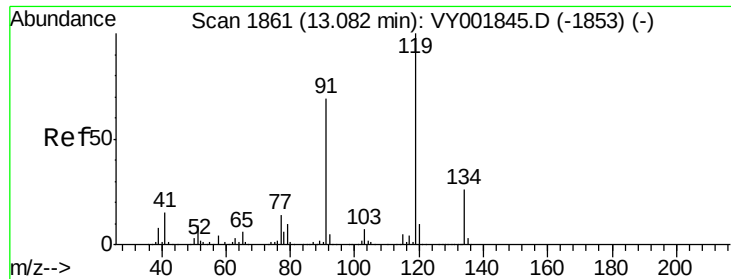
MMDadoda
3/5/2020 1:37:30 PM



#82
4-Chlorotoluene
Concen: 50.367 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.2





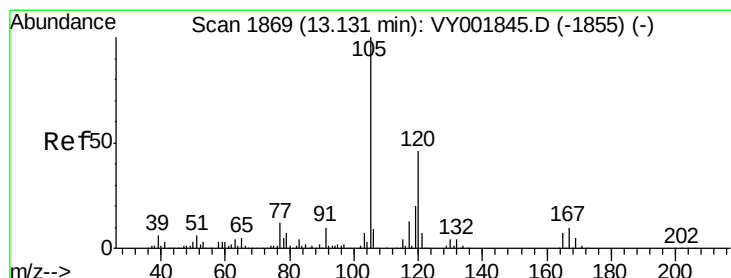
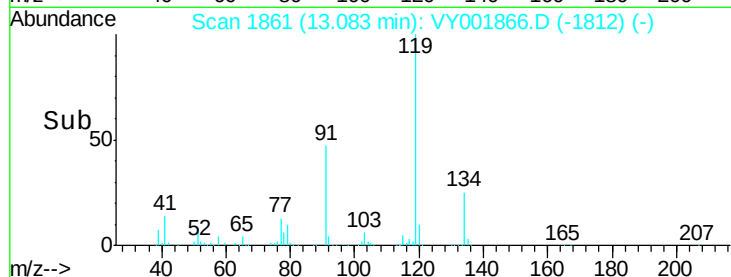
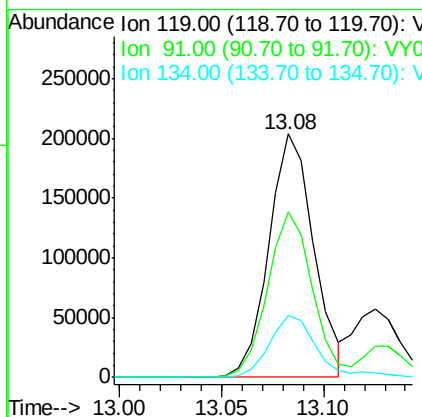
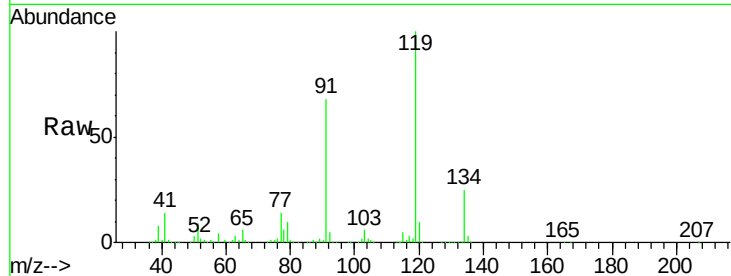
#83
 tert-Butylbenzene
 Concen: 49.219 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.0	101.8
134	27.2	13.5	40.4

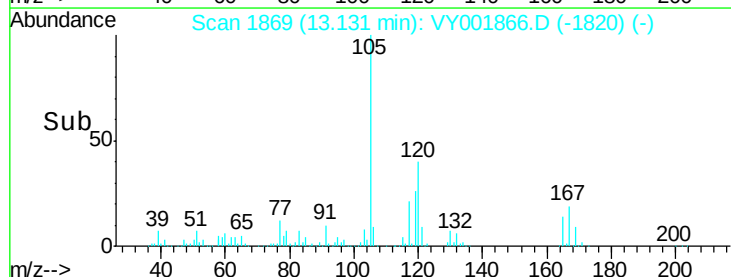
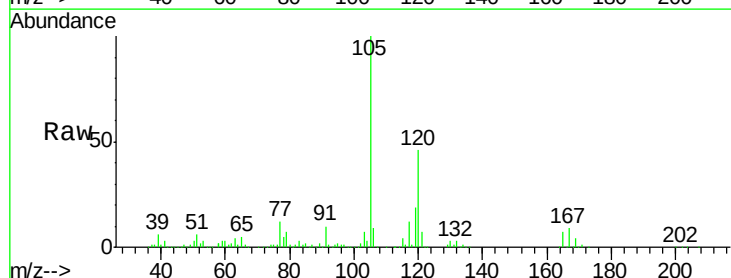
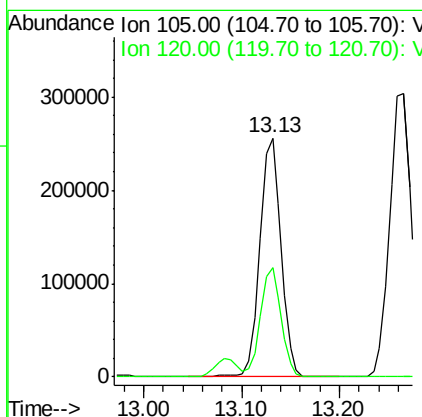
Manual Integrations
 APPROVED

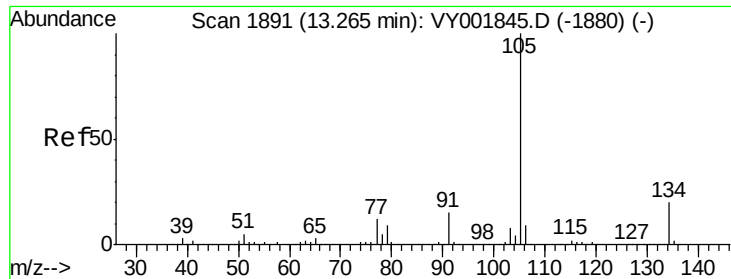
MMDadoda
 3/5/2020 1:37:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.420 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





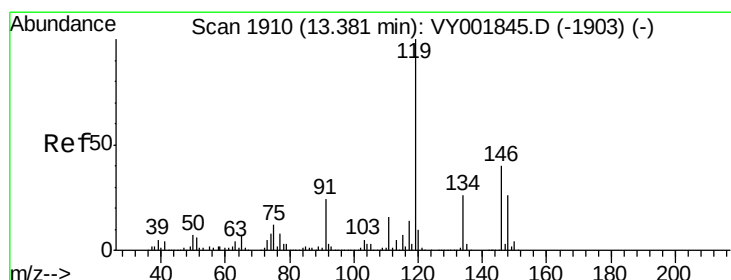
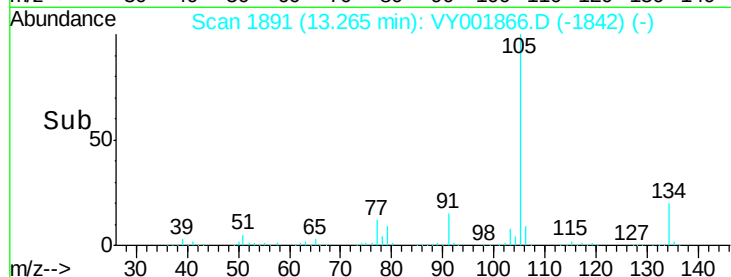
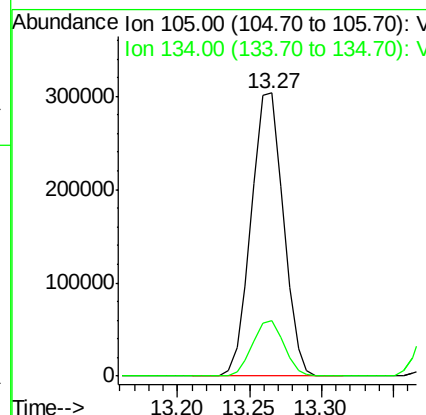
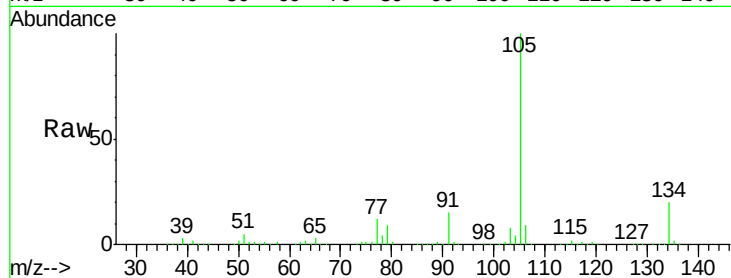
#85
 sec-Butylbenzene
 Concen: 50.030 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 467909
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

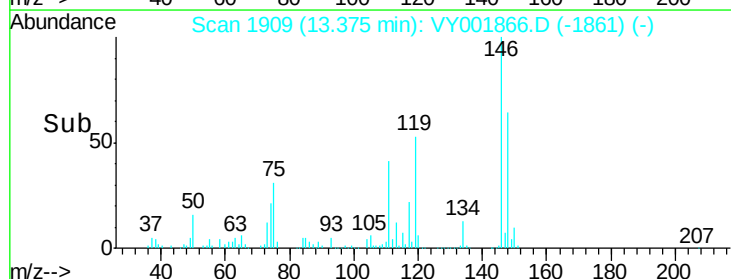
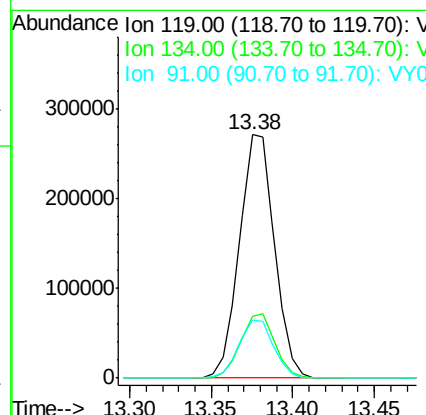
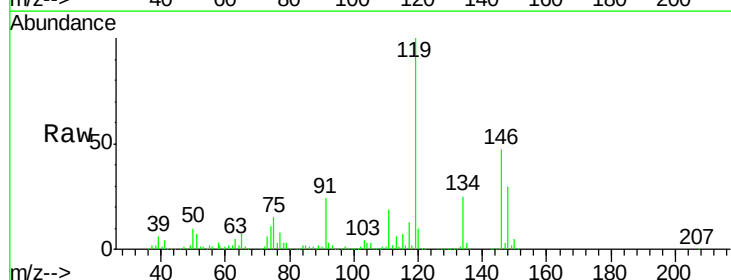
Manual Integrations
 APPROVED

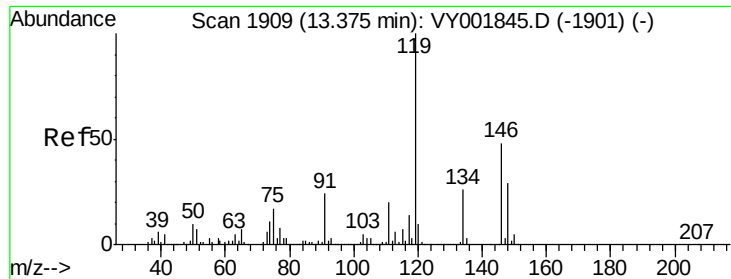
MMDadoda
 3/5/2020 1:37:30 PM



#86
 p-Isopropyltoluene
 Concen: 50.388 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion:119 Resp: 406526
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 49.923 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

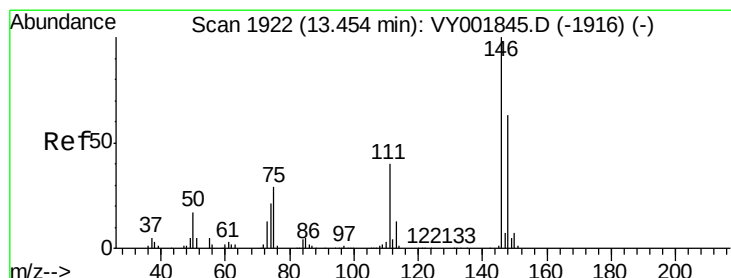
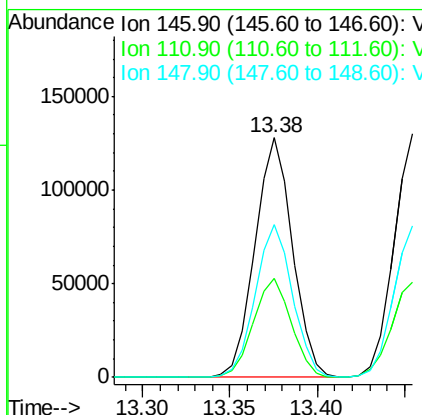
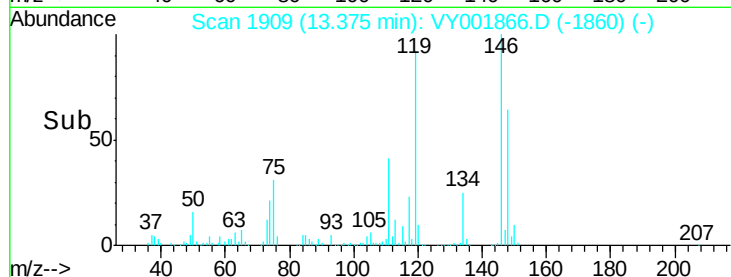
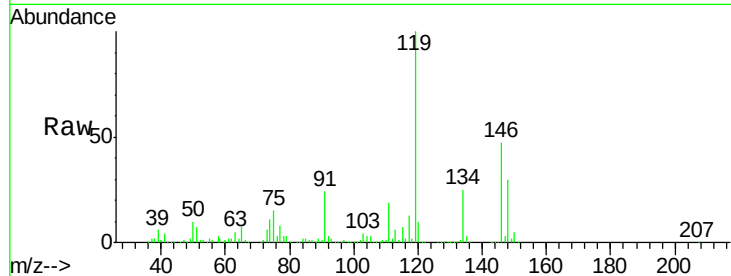
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.1	31.4	94.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#88

1,4-Dichlorobenzene

Concen: 49.969 ug/l

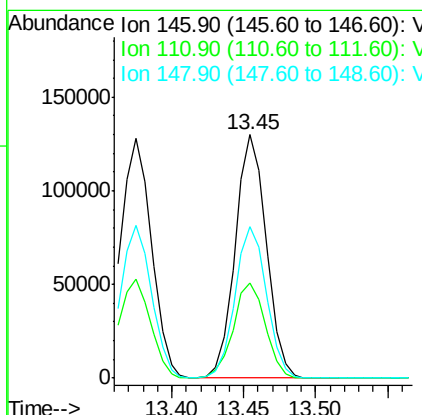
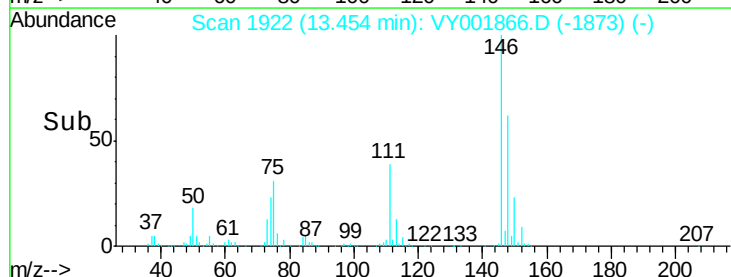
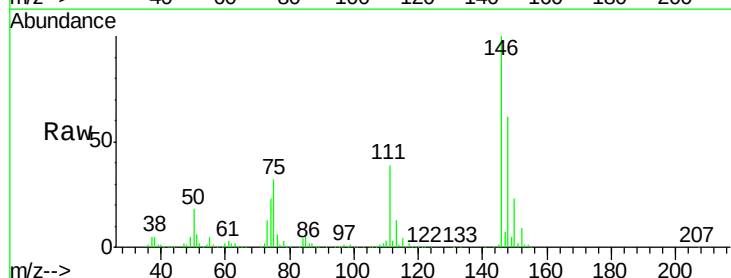
RT: 13.45 min Scan# 1922

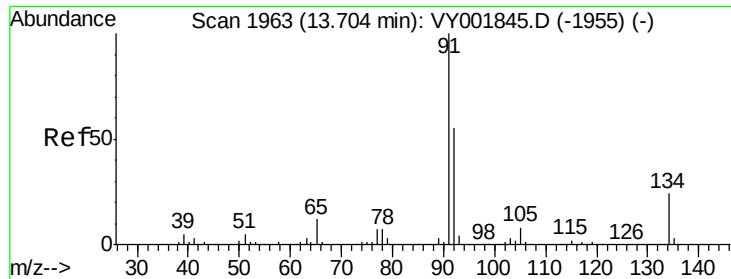
Delta R.T. 0.00 min

Lab File: VY001866.D

Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.0	31.5	94.5





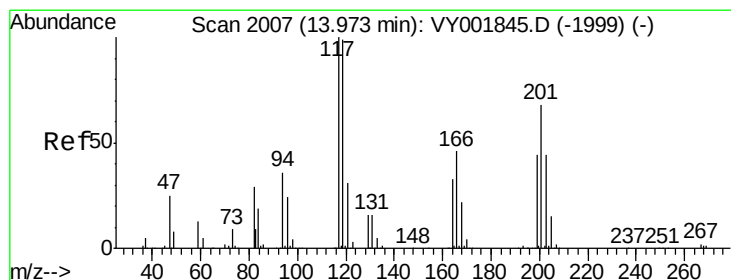
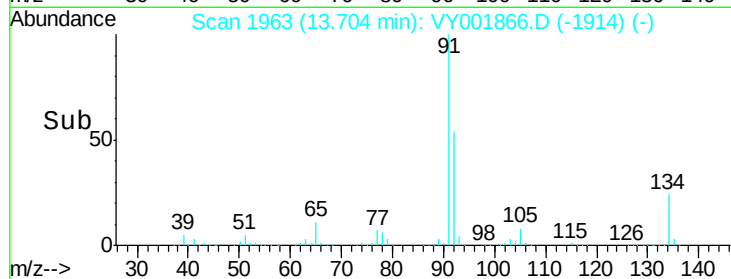
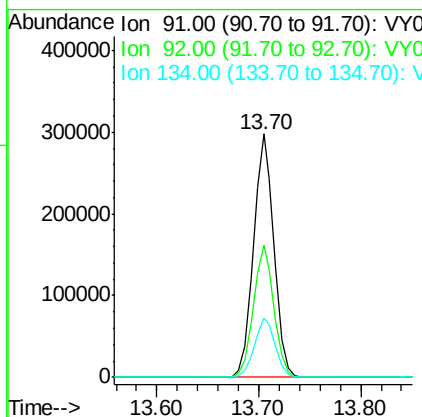
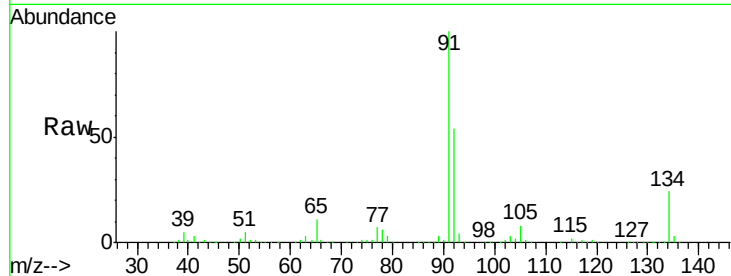
#89
n-Butylbenzene
Concen: 49.703 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	24.7	12.5	37.5

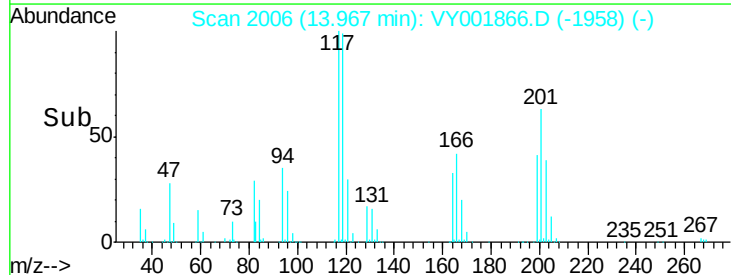
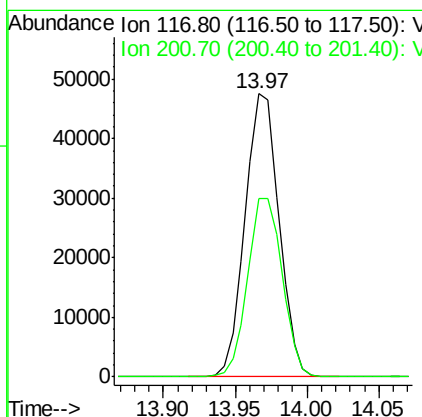
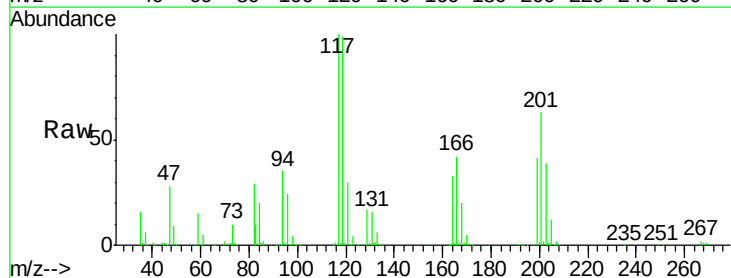
Manual Integrations
APPROVED

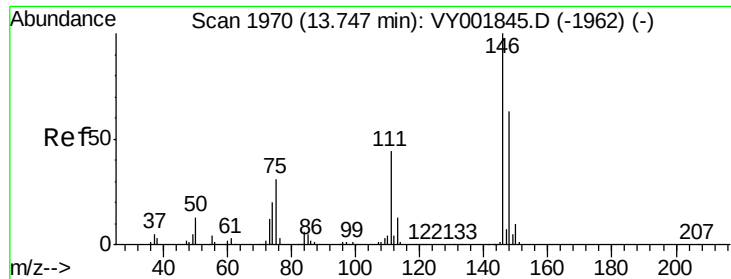
MMDadoda
3/5/2020 1:37:30 PM



#90
Hexachloroethane
Concen: 51.010 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	32.5	97.5





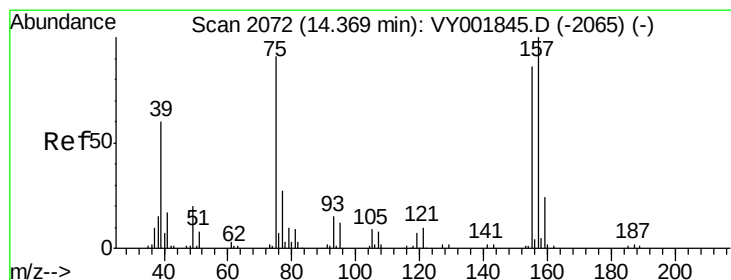
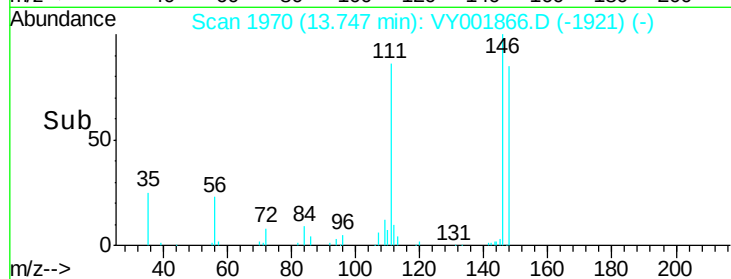
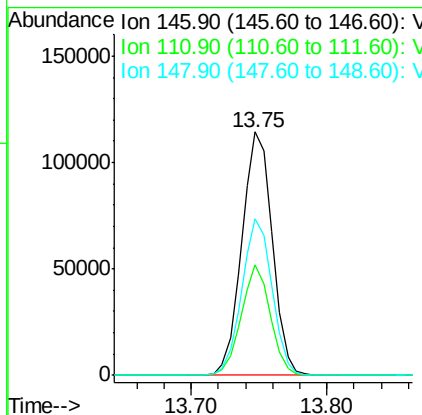
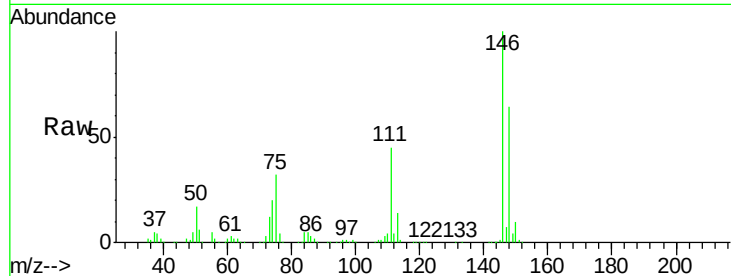
#91
 1,2-Dichlorobenzene
 Concen: 51.116 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	63.6	32.0	96.0

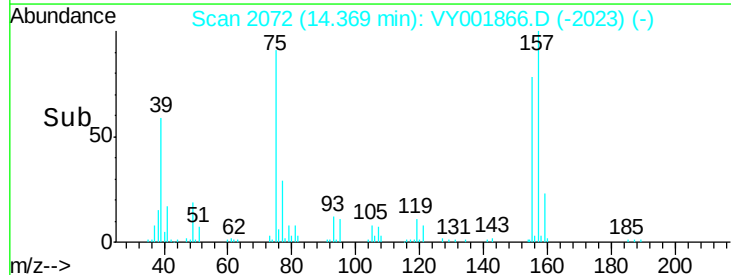
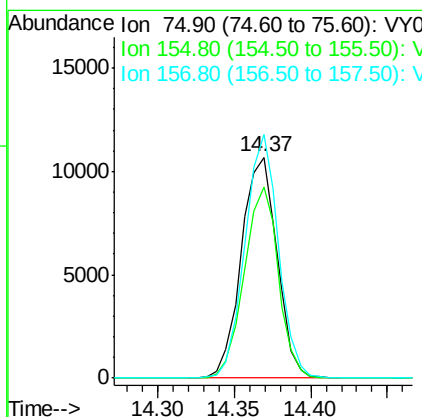
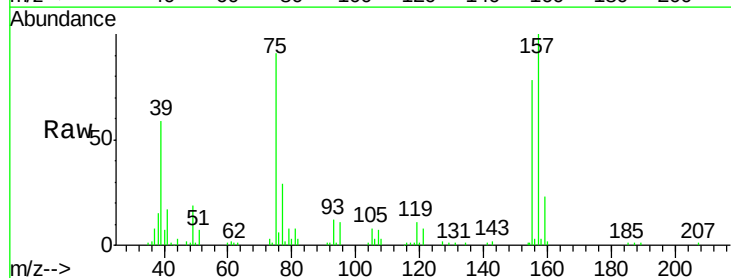
Manual Integrations
 APPROVED

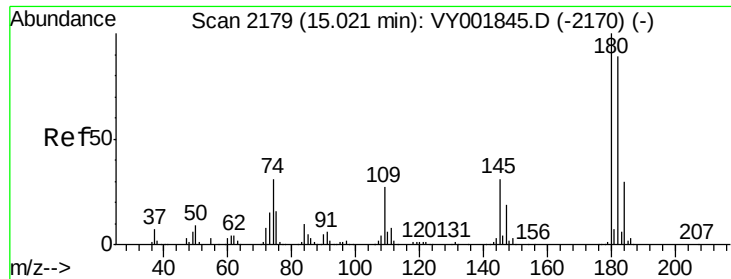
MMDadoda
 3/5/2020 1:37:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.600 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.9	128.7
157	103.1	53.1	159.4





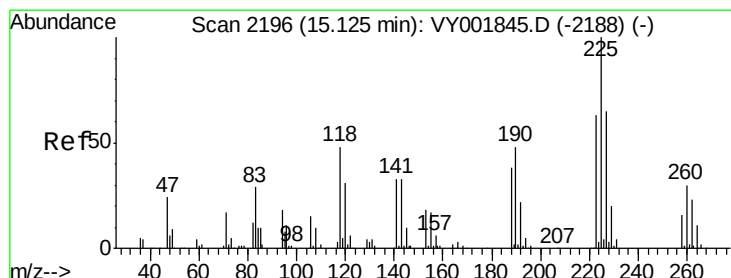
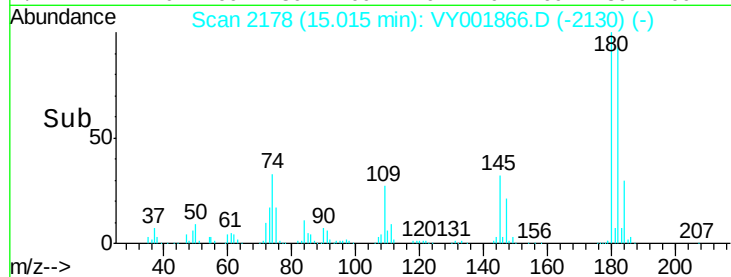
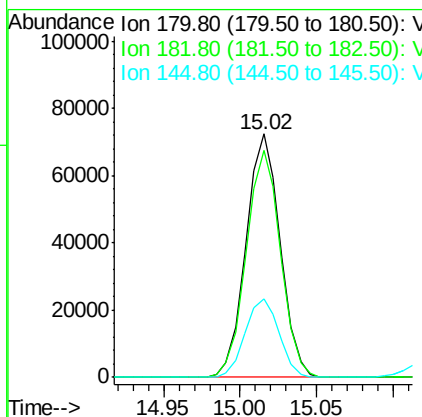
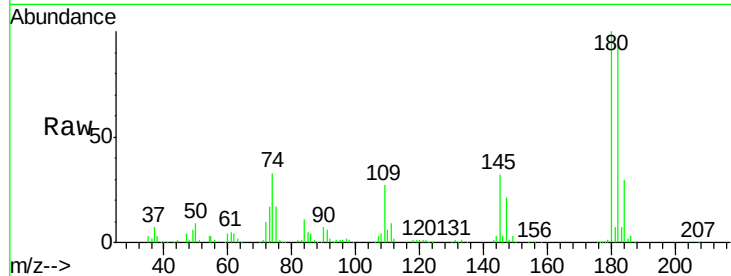
#93
 1,2,4-Trichlorobenzene
 Concen: 49.380 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112086		
182	93.7	46.1	138.3	
145	32.3	15.6	46.8	

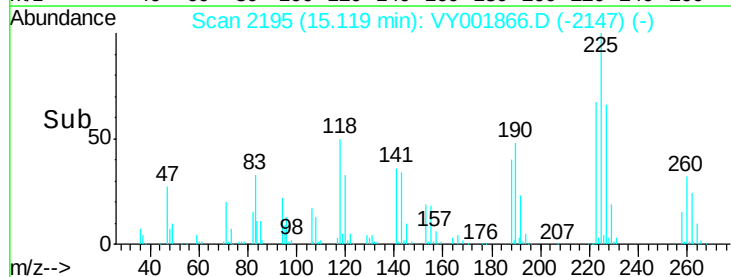
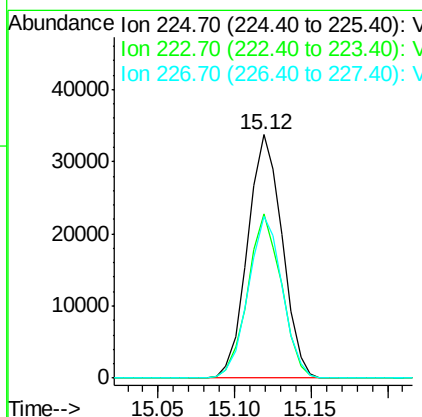
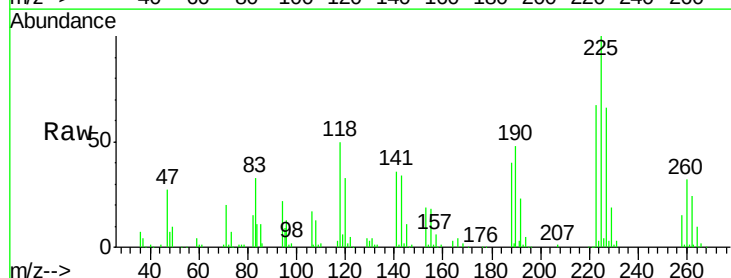
Manual Integrations
 APPROVED

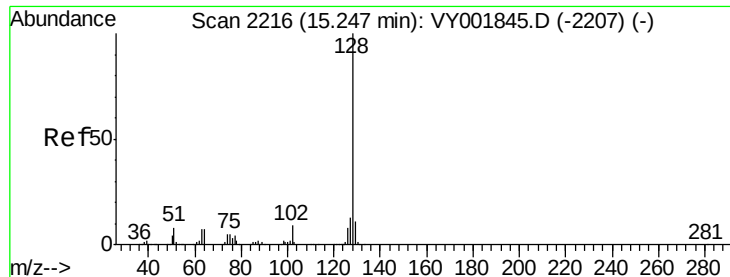
MMDadoda
 3/5/2020 1:37:30 PM



#94
 Hexachlorobutadiene
 Concen: 48.085 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001866.D
 Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53213		
223	65.2	31.5	94.5	
227	65.3	31.9	95.5	





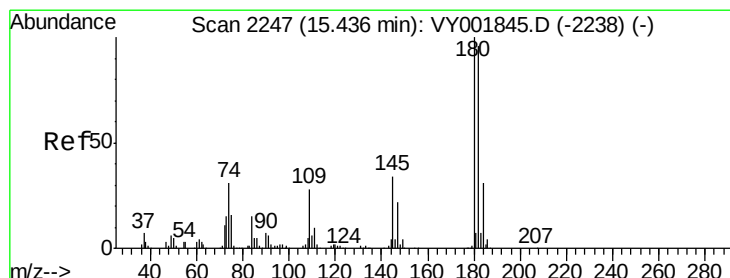
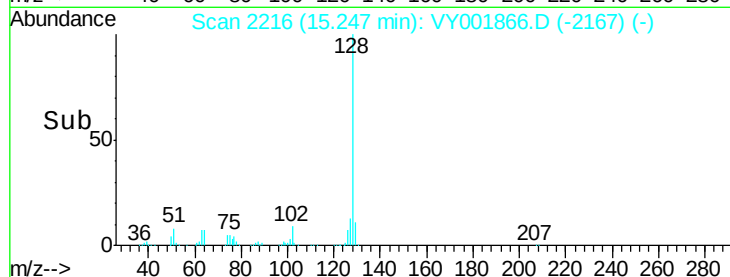
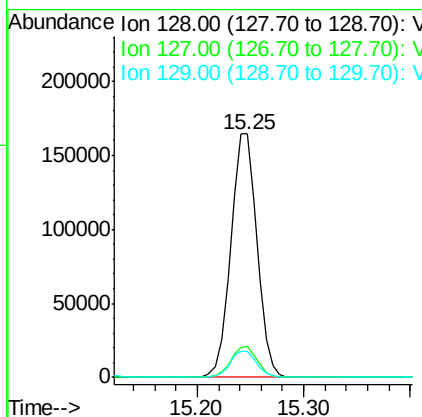
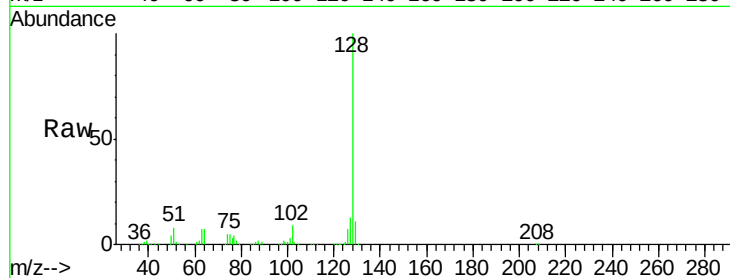
#95
Naphthalene
Concen: 52.632 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.516 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001866.D
Acq: 04 Mar 2020 19:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	34.2	16.8	50.3

