

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000830.D
 Acq On : 27 Nov 2019 19:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:00 AM

Quant Time: Nov 28 23:38:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	307842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	551343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	236516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	180579	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
35) Dibromofluoromethane	7.73	113	167649	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.18	98	693884	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.48	95	243576	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	163553	49.355	ug/l	95
3) Chloromethane	2.12	50	210984	51.650	ug/l	97
4) Vinyl Chloride	2.25	62	208140	51.701	ug/l	98
5) Bromomethane	2.65	94	129220	53.831	ug/l	100
6) Chloroethane	2.79	64	130010	52.672	ug/l	97
7) Trichlorofluoromethane	3.13	101	278166	50.418	ug/l	95
8) Diethyl Ether	3.54	74	112266	54.064	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	173368	50.884	ug/l	99
10) Methyl Iodide	4.09	142	222936	51.970	ug/l	100
11) Tert butyl alcohol	4.97	59	91848	279.092	ug/l	99
12) 1,1-Dichloroethene	3.88	96	178473	52.876	ug/l	96
13) Acrolein	3.74	56	68677	211.847	ug/l	99
14) Allyl chloride	4.49	41	313737	54.209	ug/l	99
15) Acrylonitrile	5.18	53	298359	278.249	ug/l	99
16) Acetone	3.96	43	207828	276.963	ug/l	95
17) Carbon Disulfide	4.20	76	558995	51.206	ug/l	99
18) Methyl Acetate	4.48	43	169773	54.109	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	505959	56.129	ug/l	98
20) Methylene Chloride	4.72	84	200240	50.624	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	197939	51.594	ug/l	95
22) Diisopropyl ether	6.13	45	667719	56.134	ug/l	97
23) Vinyl Acetate	6.07	43	2074285	286.841	ug/l	100
24) 1,1-Dichloroethane	6.03	63	351638	53.635	ug/l	97
25) 2-Butanone	7.00	43	394168	284.361	ug/l	100
26) 2,2-Dichloropropane	6.99	77	281913	51.090	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	221580	53.431	ug/l	98
28) Bromochloromethane	7.35	49	143367	59.253	ug/l	95
29) Tetrahydrofuran	7.36	42	266321	289.939	ug/l	98
30) Chloroform	7.52	83	344574	52.391	ug/l	97
31) Cyclohexane	7.79	56	348450	50.171	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	286950	52.837	ug/l	100
36) 1,1-Dichloropropene	7.92	75	274751	50.119	ug/l	99
37) Ethyl Acetate	7.08	43	173898	54.938	ug/l	98
38) Carbon Tetrachloride	7.91	117	250139	51.236	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000830.D
 Acq On : 27 Nov 2019 19:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:00 AM

Quant Time: Nov 28 23:38:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	360975	49.700	ug/l	99
40) Benzene	8.17	78	827192	51.803	ug/l	99
41) Methacrylonitrile	7.33	41	96107m	57.607	ug/l	
42) 1,2-Dichloroethane	8.25	62	224775	53.525	ug/l	100
43) Isopropyl Acetate	8.28	43	325070	54.495	ug/l	99
44) Trichloroethene	8.94	130	212747	51.842	ug/l	98
45) 1,2-Dichloropropane	9.22	63	210859	52.571	ug/l	96
46) Dibromomethane	9.31	93	110860	52.899	ug/l	96
47) Bromodichloromethane	9.50	83	261052	53.026	ug/l #	98
48) Methyl methacrylate	9.30	41	143490	54.703	ug/l	97
49) 1,4-Dioxane	9.30	88	31196	1050.580	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	868584	281.822	ug/l	98
52) Toluene	10.24	92	508891	51.472	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	288797	54.601	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	333942	53.415	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	165961	53.601	ug/l	94
56) Ethyl methacrylate	10.51	69	251340	56.745	ug/l	96
57) 1,3-Dichloropropane	10.79	76	294858	54.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	456614	255.673	ug/l	98
59) 2-Hexanone	10.83	43	621196	276.603	ug/l	98
60) Dibromochloromethane	10.99	129	182170	54.655	ug/l	99
61) 1,2-Dibromoethane	11.09	107	159391	54.623	ug/l	100
64) Tetrachloroethene	10.72	164	220656	50.978	ug/l	98
65) Chlorobenzene	11.52	112	538848	52.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	185559	53.170	ug/l	99
67) Ethyl Benzene	11.59	91	999793	51.839	ug/l	99
68) m/p-Xylenes	11.70	106	756859	104.553	ug/l	99
69) o-Xylene	12.03	106	352900	52.284	ug/l	100
70) Styrene	12.04	104	621147	53.745	ug/l	100
71) Bromoform	12.20	173	107656	54.695	ug/l #	100
73) Isopropylbenzene	12.33	105	955508	50.739	ug/l	99
74) N-amyl acetate	12.14	43	286276	54.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	197493	53.224	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	138201m	51.573	ug/l	
77) Bromobenzene	12.61	156	209795	51.394	ug/l	99
78) n-propylbenzene	12.67	91	1172421	50.988	ug/l	100
79) 2-Chlorotoluene	12.75	91	639223	50.320	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	798423	51.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73348	53.766	ug/l	98
82) 4-Chlorotoluene	12.85	91	668684	51.093	ug/l	100
83) tert-Butylbenzene	13.07	119	674879	51.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	803546	51.510	ug/l	100
85) sec-Butylbenzene	13.25	105	978910	51.345	ug/l	99
86) p-Isopropyltoluene	13.37	119	850353	51.280	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	407408	50.876	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	411914	51.950	ug/l	100
89) n-Butylbenzene	13.69	91	857374	51.138	ug/l	99
90) Hexachloroethane	13.96	117	162025	53.041	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	380390	52.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	33686	54.226	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
Data File : VY000830.D
Acq On : 27 Nov 2019 19:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM

Quant Time: Nov 28 23:38:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	255462	52.412	ug/l	99
94) Hexachlorobutadiene	15.11	225	123822	51.239	ug/l	99
95) Naphthalene	15.23	128	614923	54.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	231607	53.198	ug/l	99

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

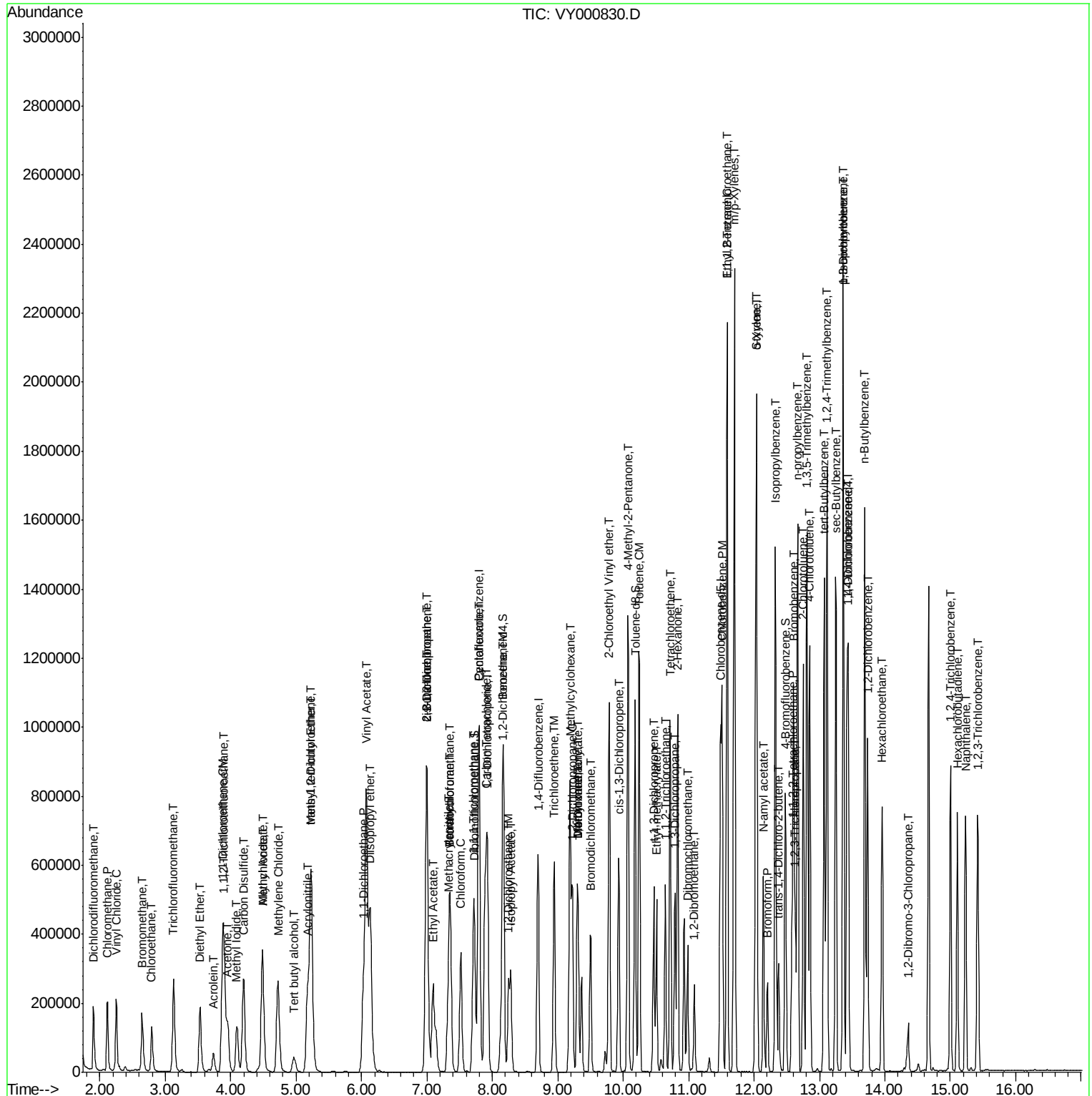
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
Data File : VY000830.D
Acq On : 27 Nov 2019 19:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

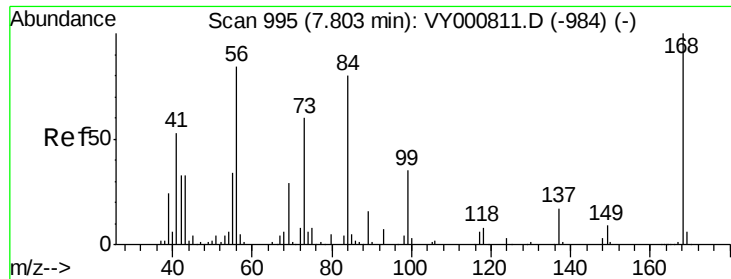
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM

Quant Time: Nov 28 23:38:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 307842

Ion Ratio Lower Upper

168 100

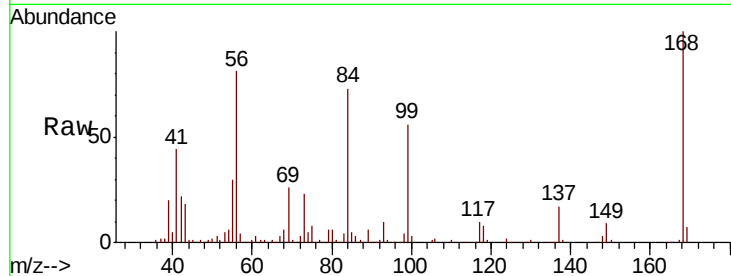
99 55.9 45.0 67.6

Manual Integrations

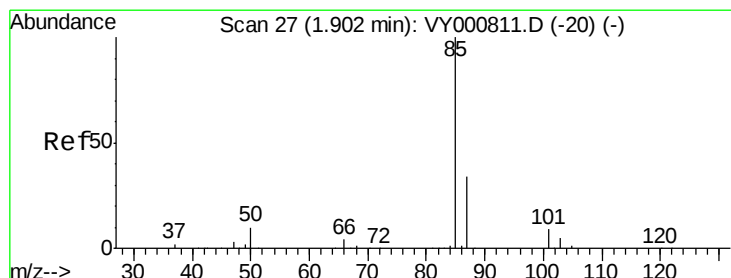
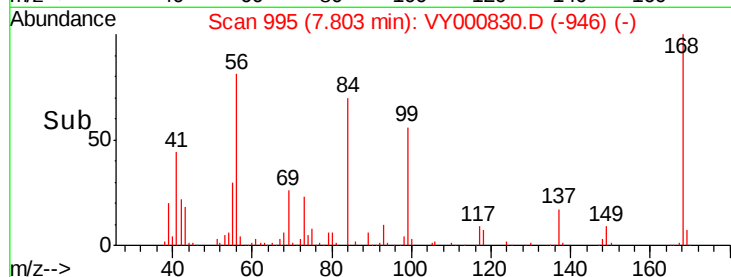
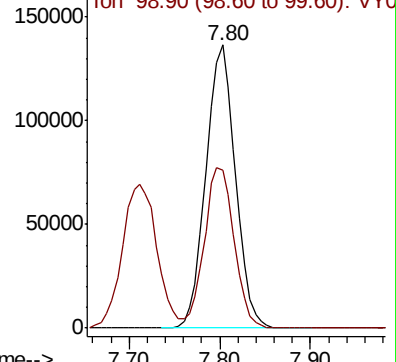
APPROVED

MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: 49.355 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000830.D

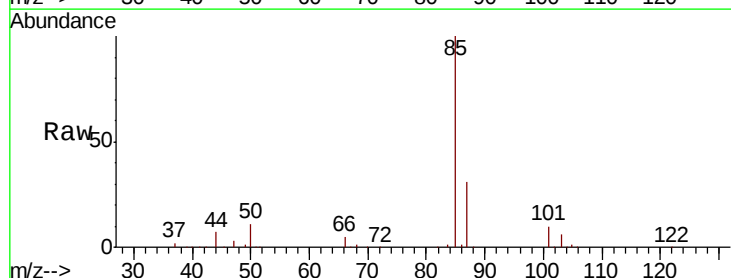
Acq: 27 Nov 2019 19:21

Tgt Ion: 85 Resp: 163553

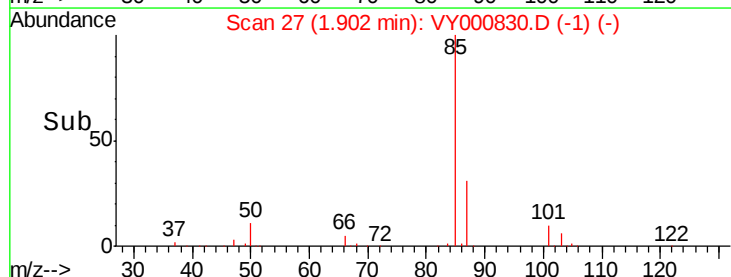
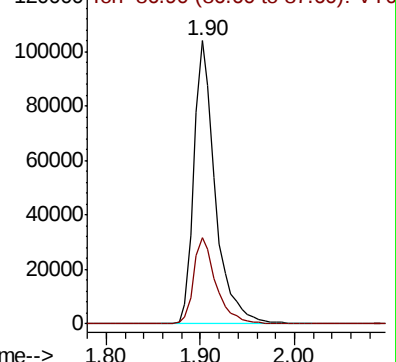
Ion Ratio Lower Upper

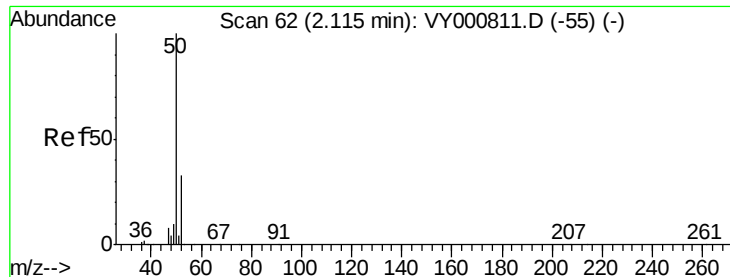
85 100

87 30.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)





#3

Chloromethane

Concen: 51.650 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 210984

Ion Ratio Lower Upper

50 100

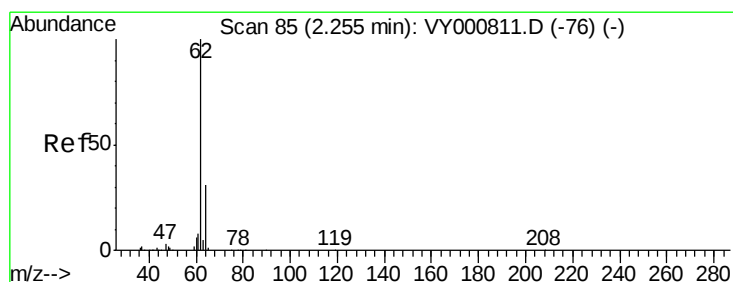
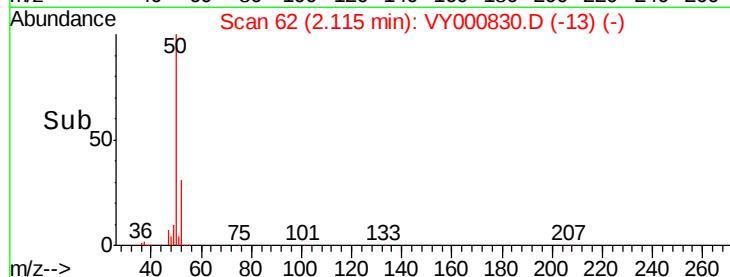
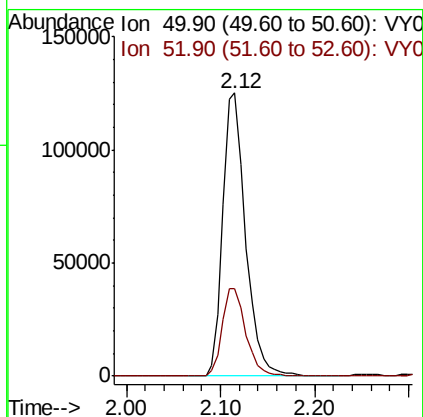
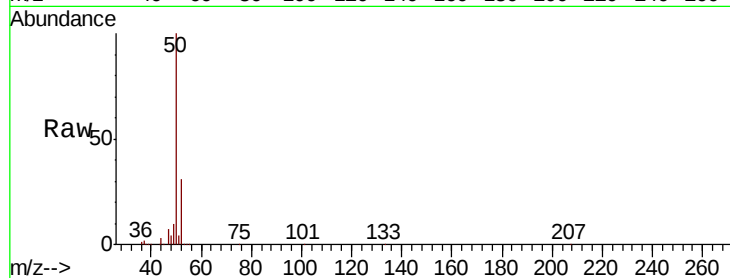
52 30.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



#4

Vinyl Chloride

Concen: 51.701 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000830.D

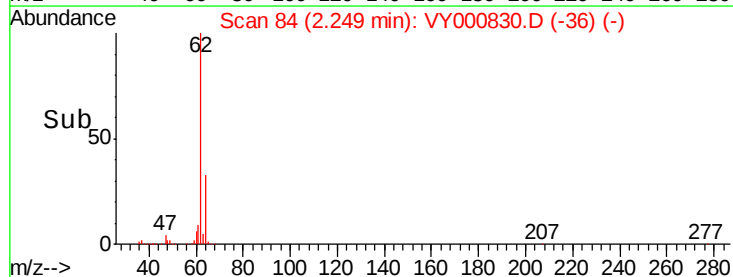
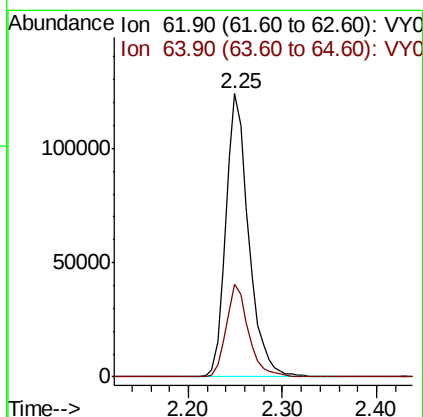
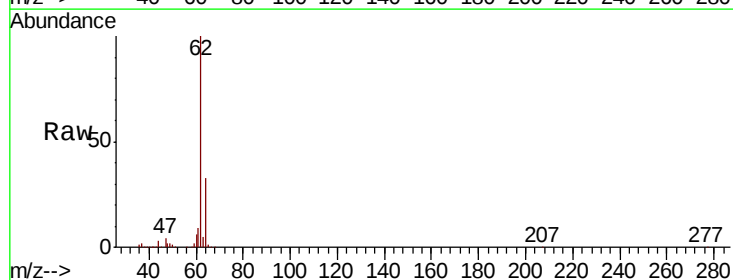
Acq: 27 Nov 2019 19:21

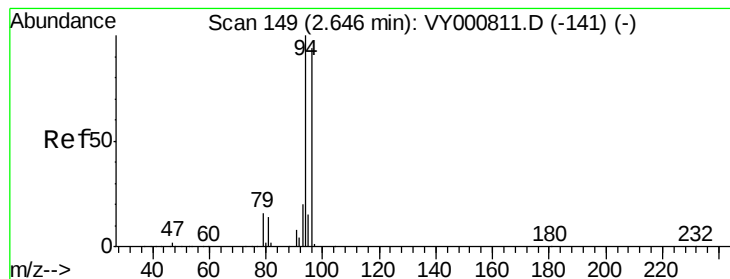
Tgt Ion: 62 Resp: 208140

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 53.831 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 129220

Ion Ratio Lower Upper

94 100

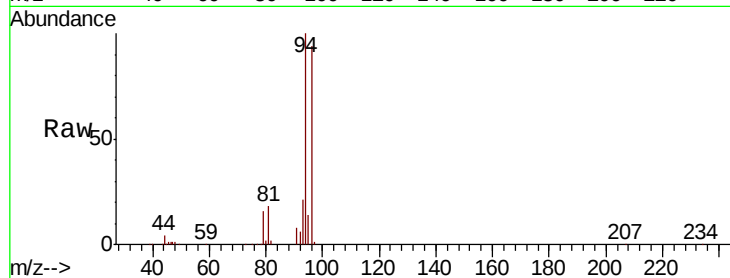
96 93.6 75.2 112.8

Manual Integrations

APPROVED

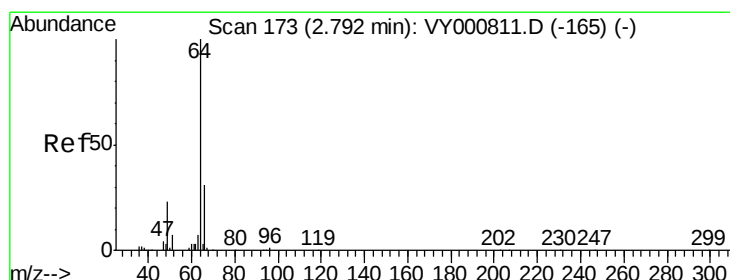
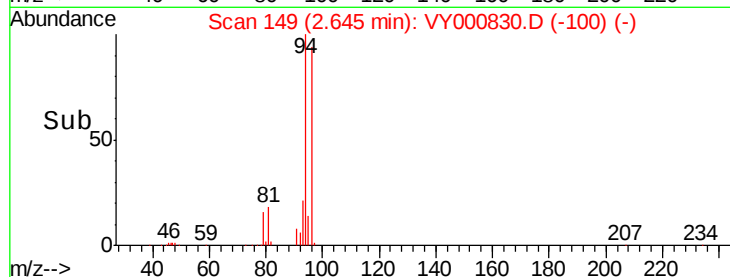
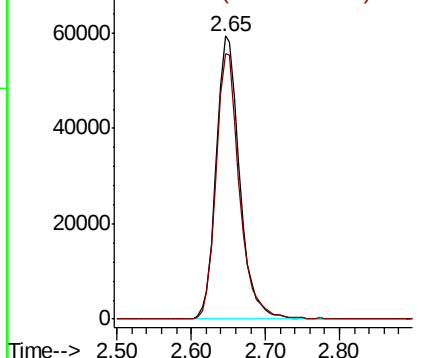
MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.672 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000830.D

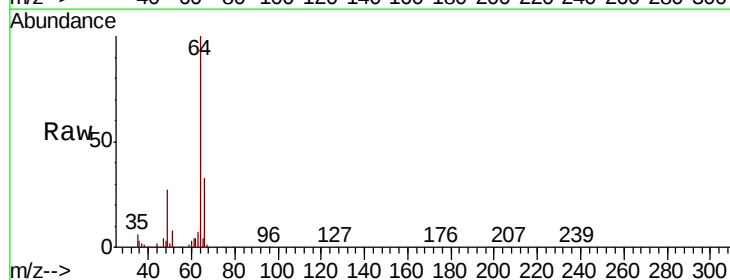
Acq: 27 Nov 2019 19:21

Tgt Ion: 64 Resp: 130010

Ion Ratio Lower Upper

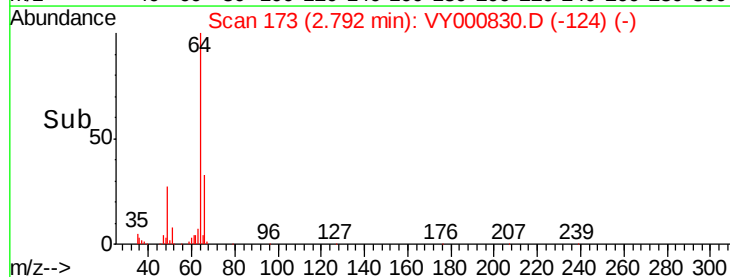
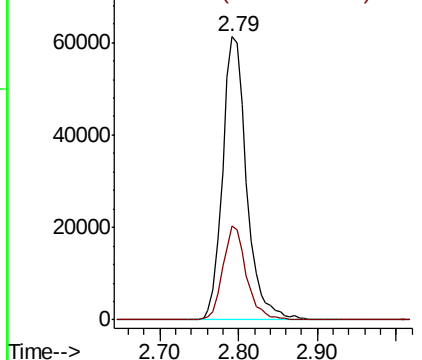
64 100

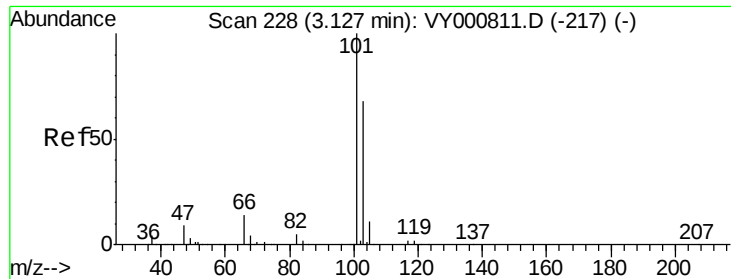
66 33.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

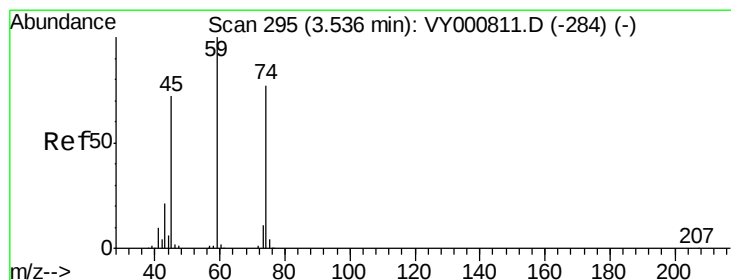
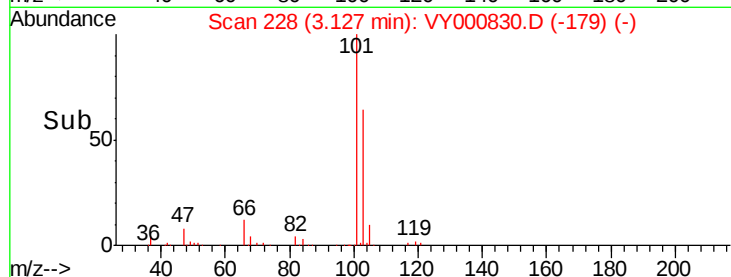
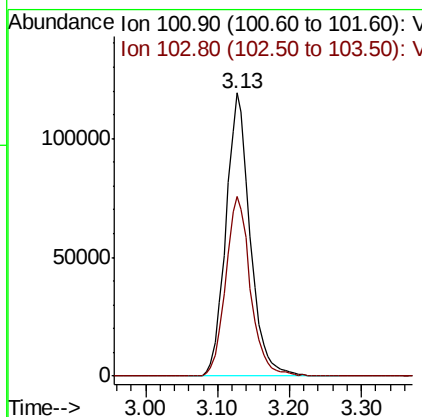
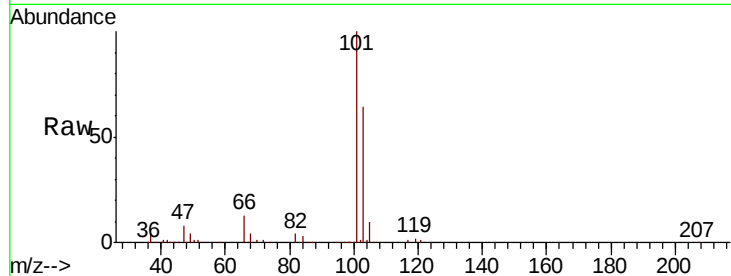
Trichlorofluoromethane
 Concen: 50.418 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	278166		
103	63.5	54.2	81.2	

Manual Integrations
 APPROVED

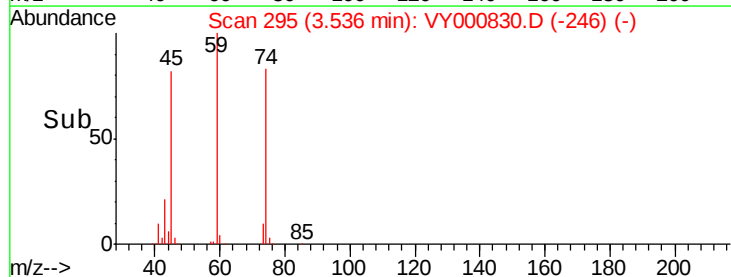
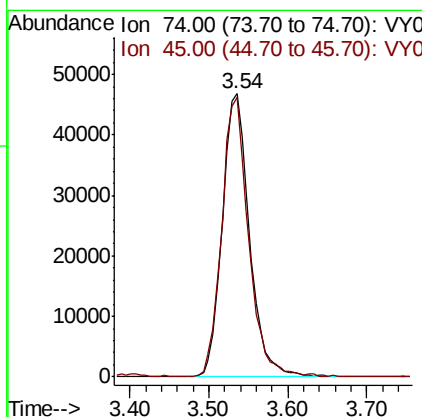
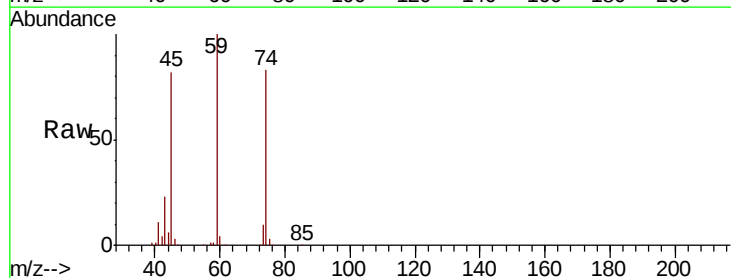
MMDadoda
 12/2/2019 11:37:00 AM

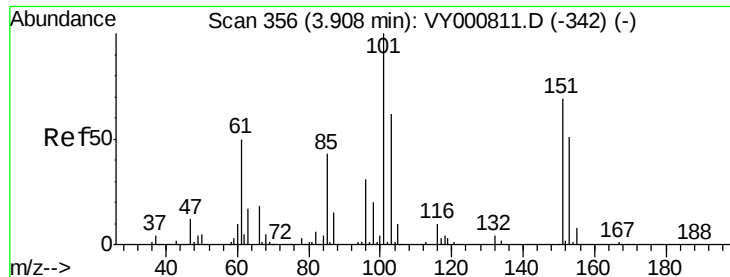


#8

Diethyl Ether
 Concen: 54.064 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	112266		
45	96.9	49.0	147.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.884 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

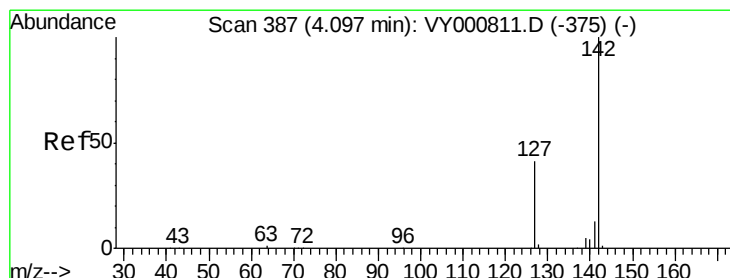
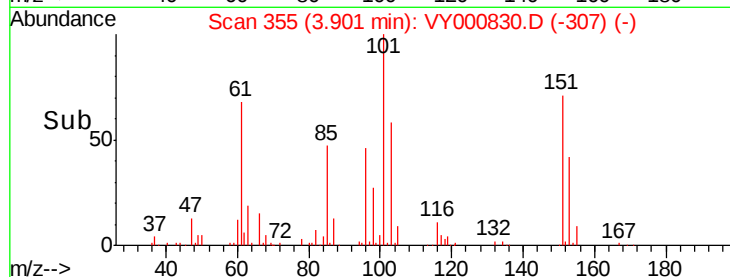
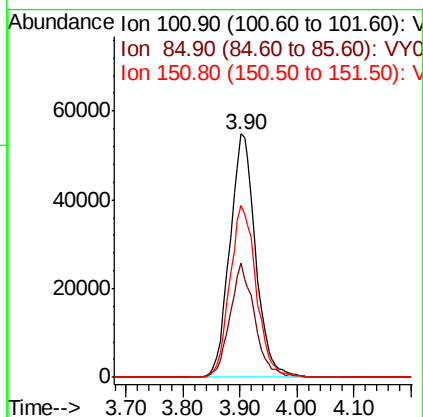
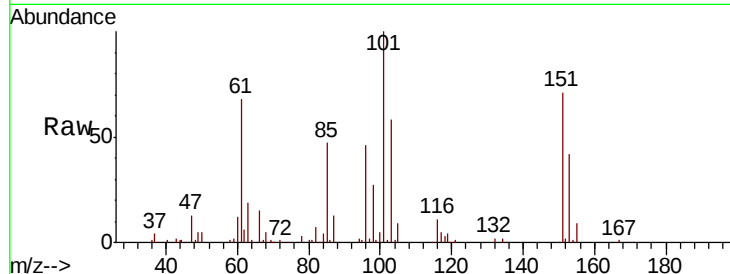
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	173368
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	72.1	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#10

Methyl Iodide

Concen: 51.970 ug/l

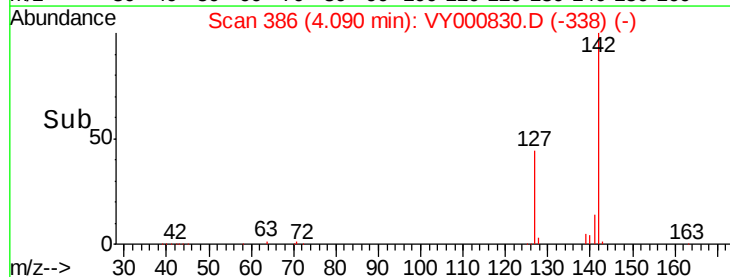
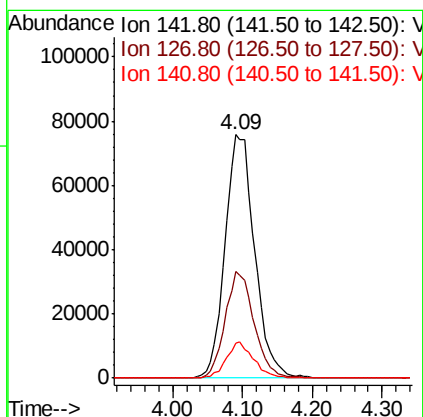
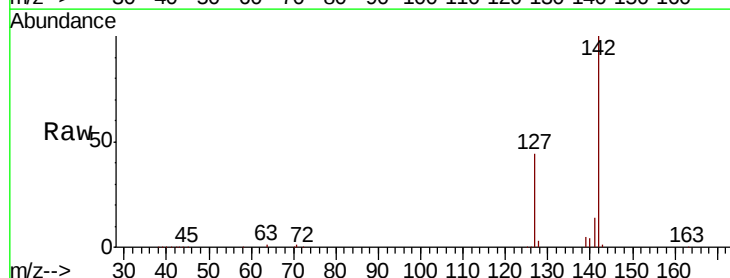
RT: 4.09 min Scan# 386

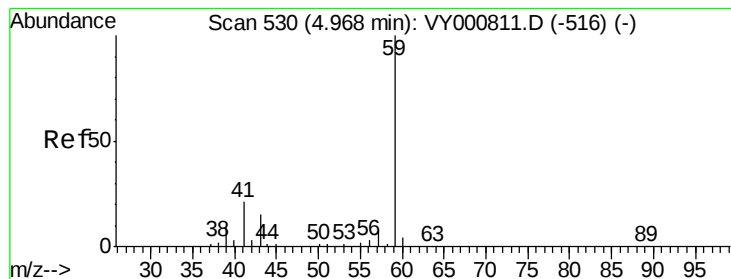
Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	142	Resp:	222936
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.8
141	13.6	10.9	16.3





#11

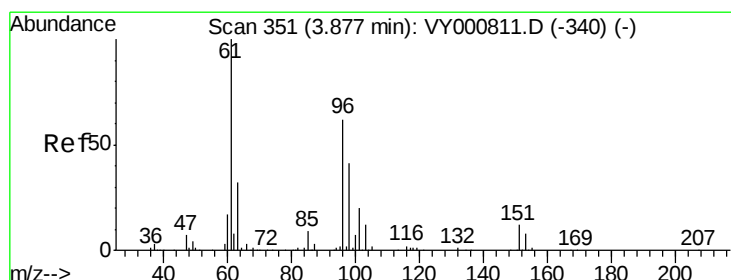
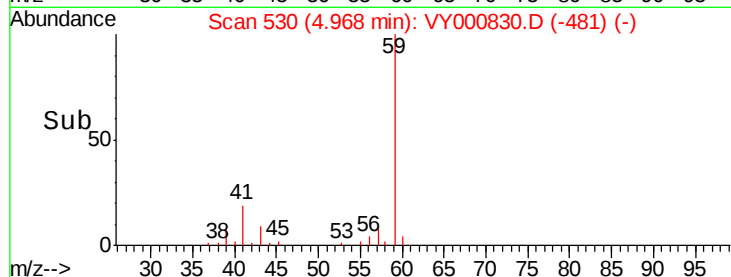
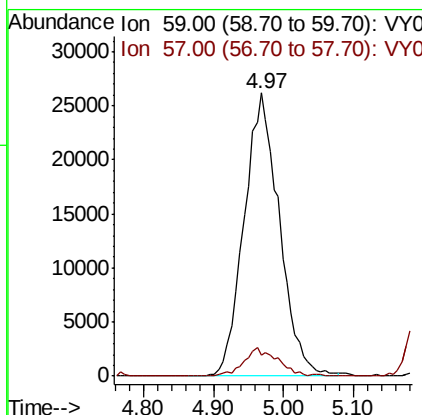
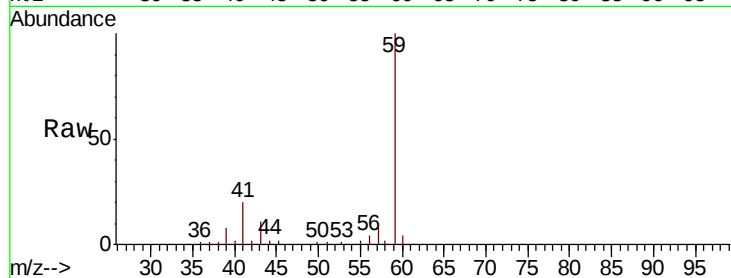
Tert butyl alcohol
 Concen: 279.092 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.5	Resp	91848	Lower	7.8	Upper	11.6
Ion											

Manual Integrations
 APPROVED

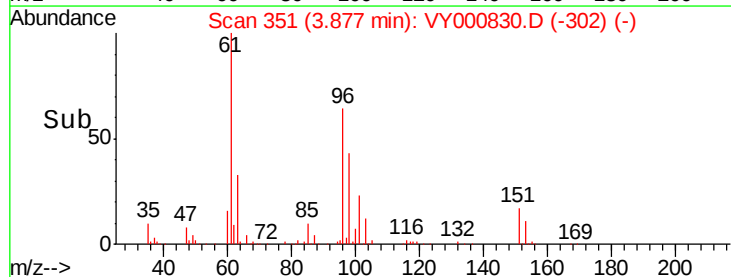
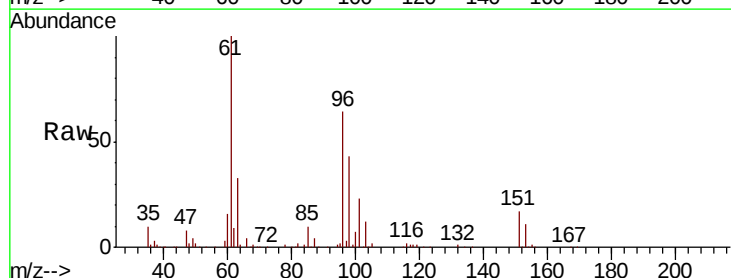
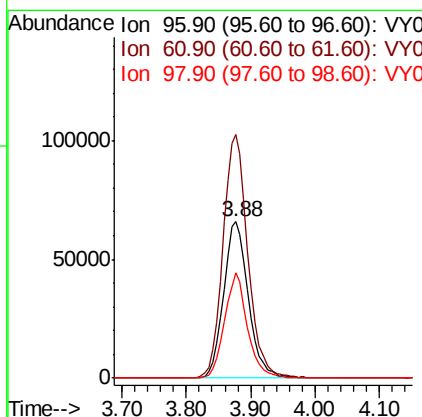
MMDadoda
 12/2/2019 11:37:00 AM

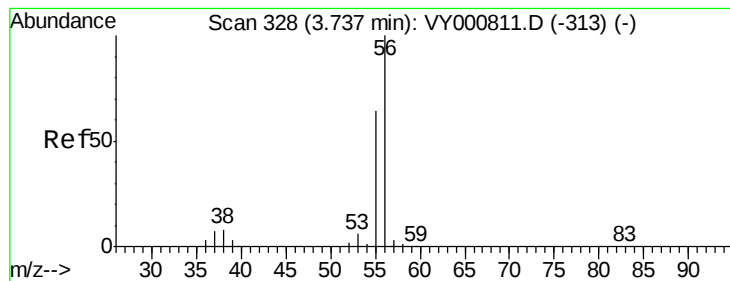


#12

1,1-Dichloroethene
 Concen: 52.876 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	96	61	98	Ratio	100	155.6	67.3	Resp	178473	Lower	129.4	Upper	194.2	80.0
Ion														





#13

Acrolein

Concen: 211.847 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 68677

Ion Ratio Lower Upper

56 100

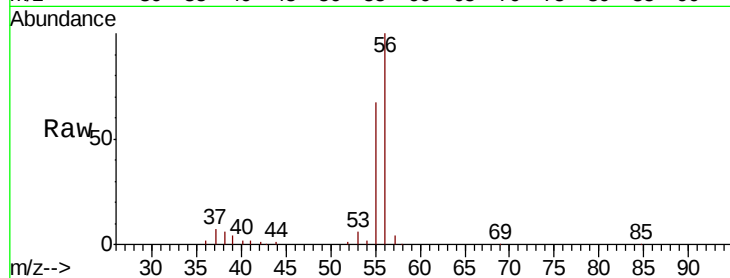
55 70.5 55.7 83.5

Manual Integrations

APPROVED

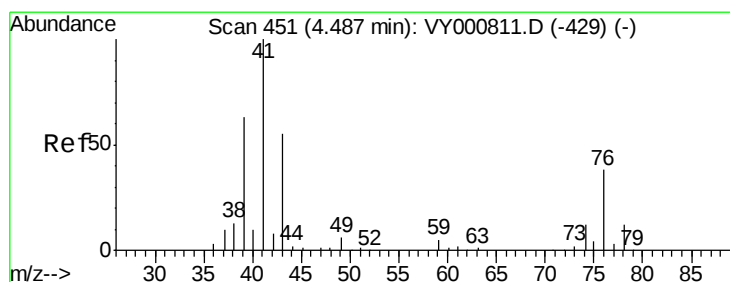
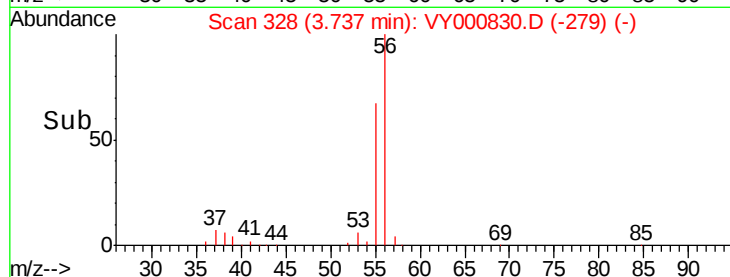
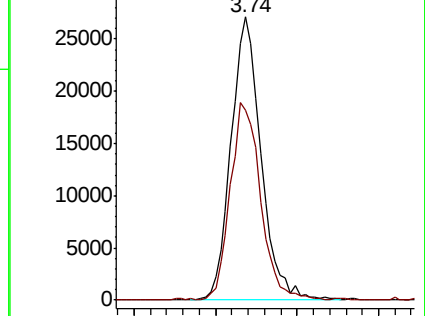
MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 54.209 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

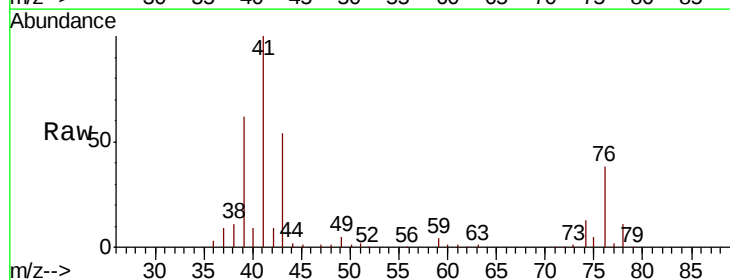
Tgt Ion: 41 Resp: 313737

Ion Ratio Lower Upper

41 100

39 61.1 49.2 73.8

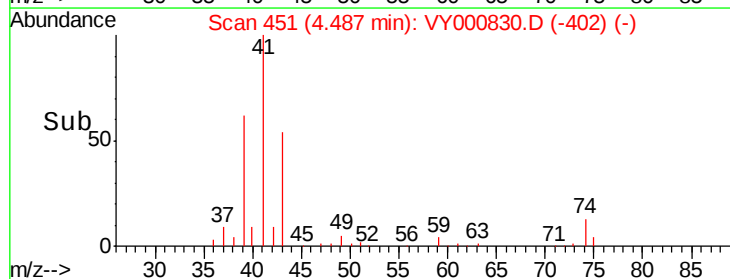
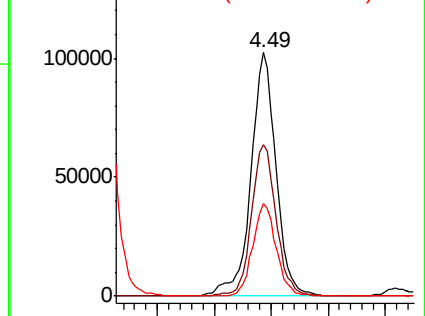
76 35.6 29.2 43.8

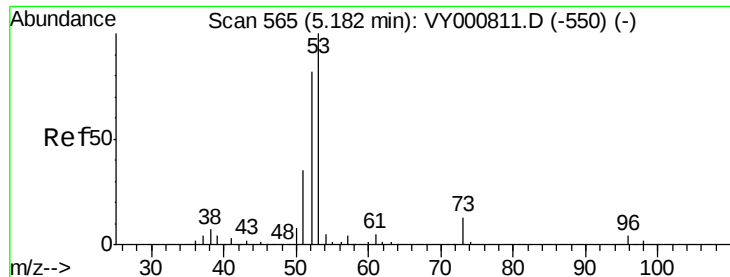


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 278.249 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

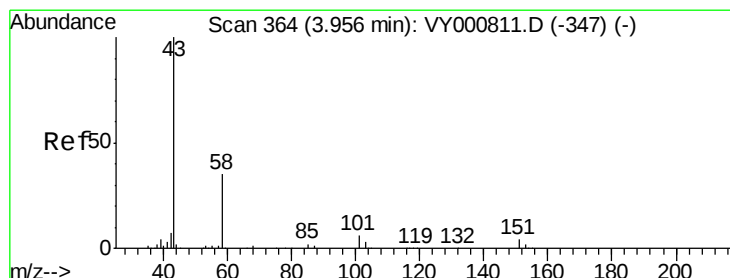
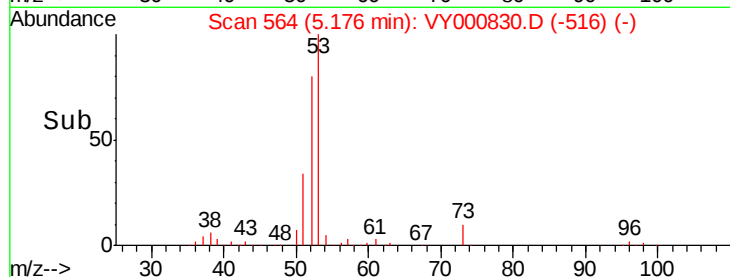
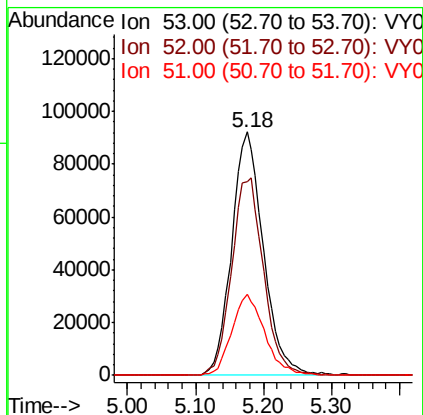
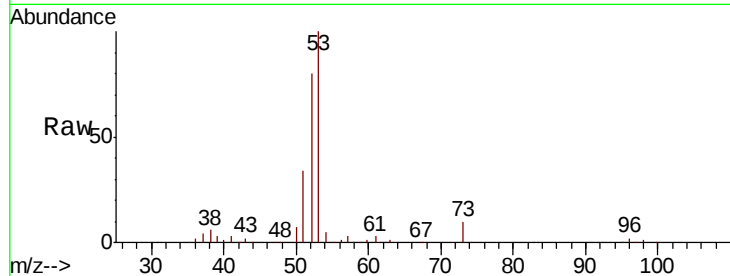
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	298359
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.1	97.7
51	34.5	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#16

Acetone

Concen: 276.963 ug/l

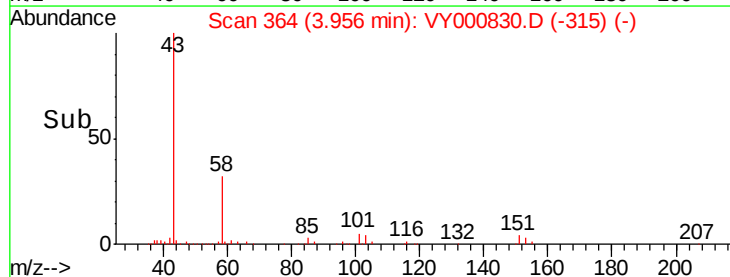
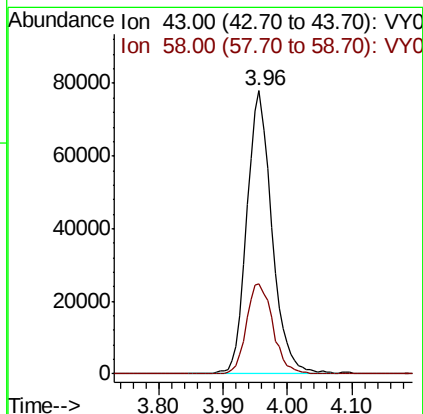
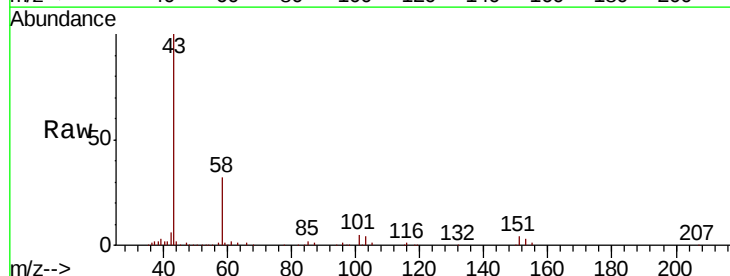
RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	43	Resp:	207828
Ion Ratio	Lower	Upper	
43	100		
58	32.0	28.0	42.0





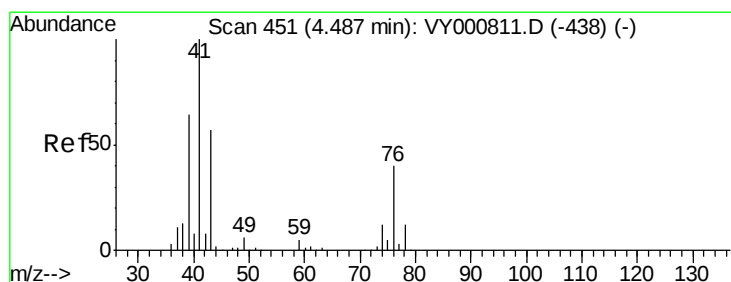
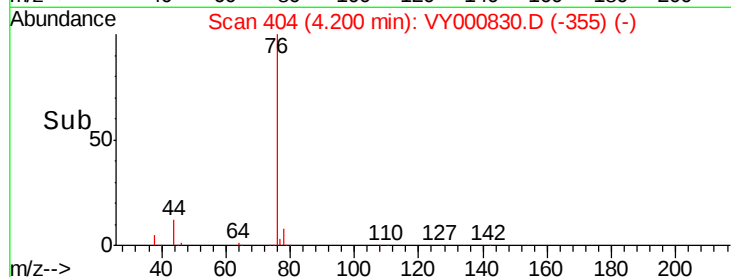
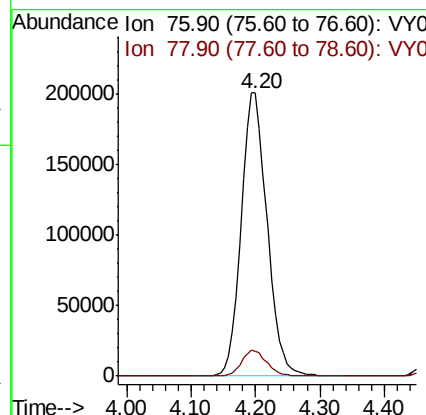
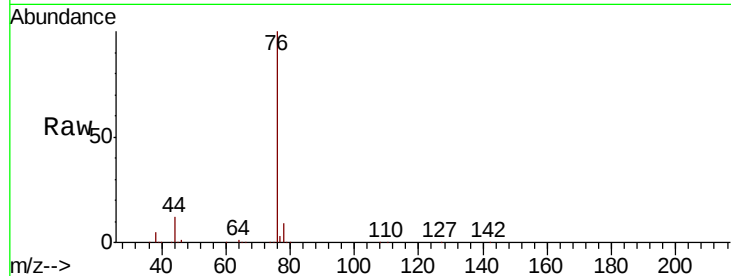
#17
Carbon Disulfide
Concen: 51.206 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

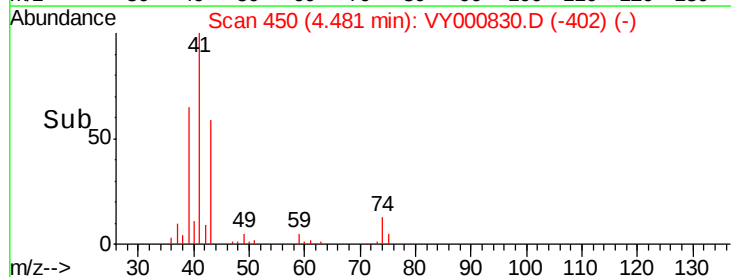
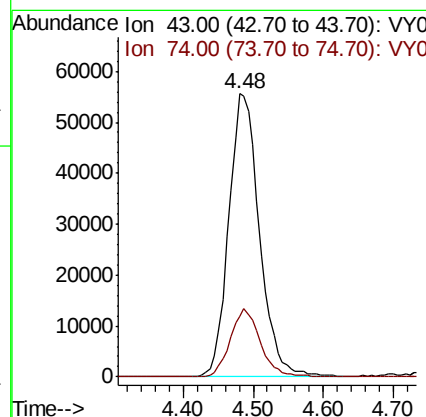
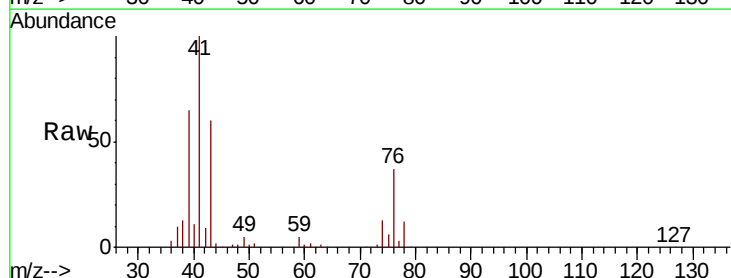
Manual Integrations
APPROVED

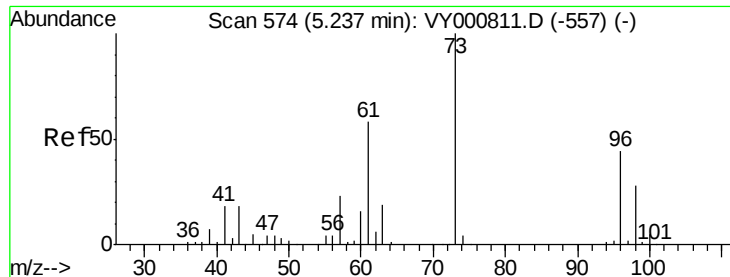
MMDadoda
12/2/2019 11:37:00 AM



#18
Methyl Acetate
Concen: 54.109 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.5	27.7





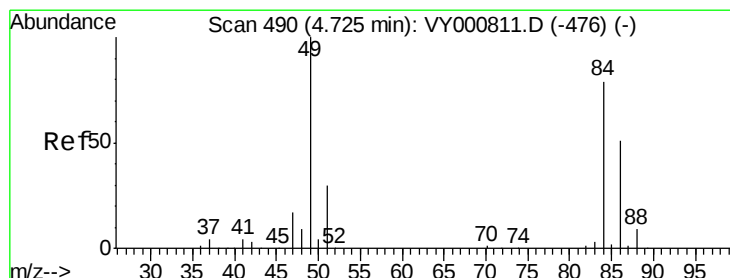
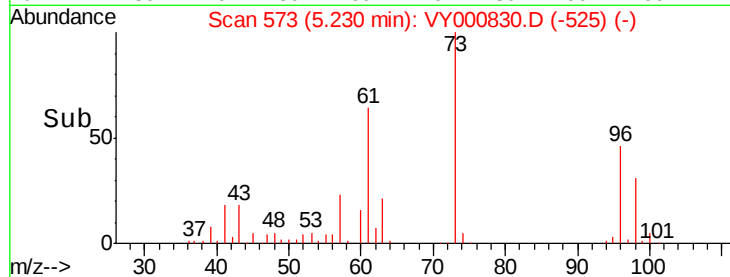
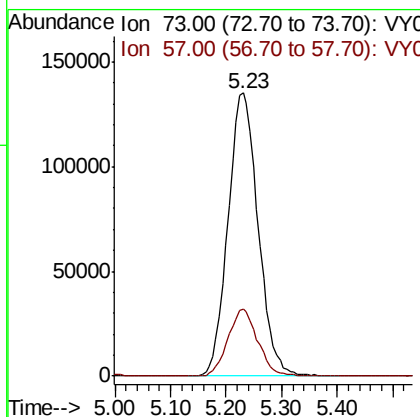
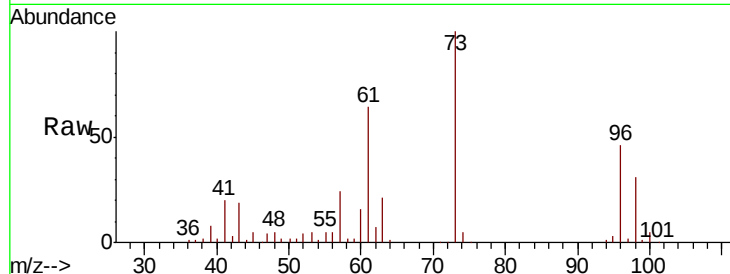
#19
Methvl tert-butvl Ether
Concen: 56.129 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 505959
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.4

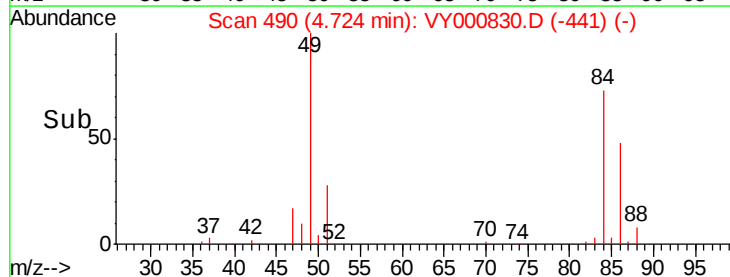
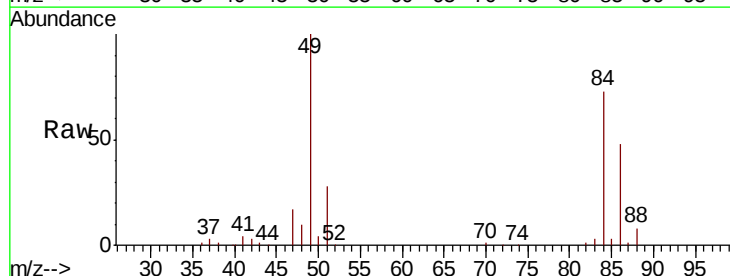
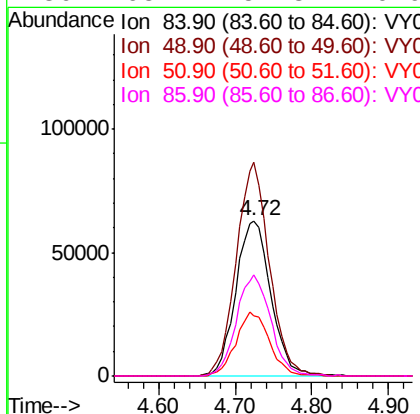
Manual Integrations
APPROVED

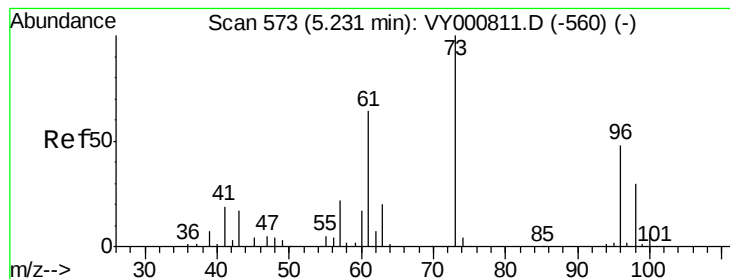
MMDadoda
12/2/2019 11:37:00 AM



#20
Methylene Chloride
Concen: 50.624 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion: 84 Resp: 200240
Ion Ratio Lower Upper
84 100
49 137.5 101.3 151.9
51 39.1 30.6 45.8
86 65.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.594 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 197939

Ion Ratio Lower Upper

96 100

61 138.5 105.9 158.9

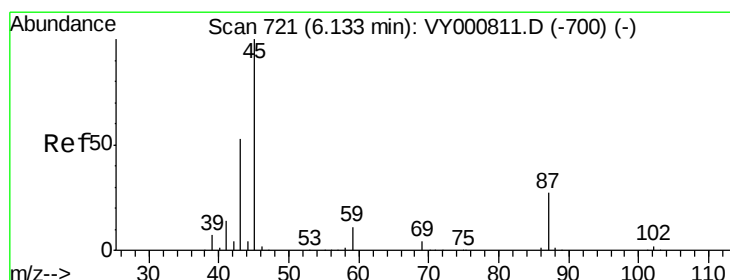
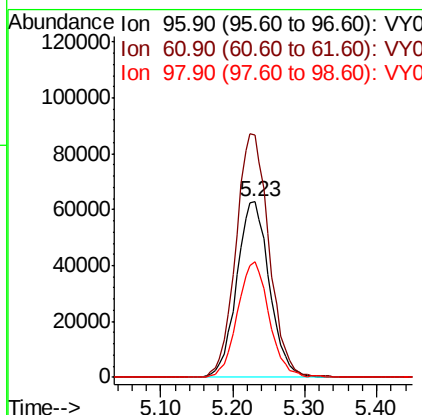
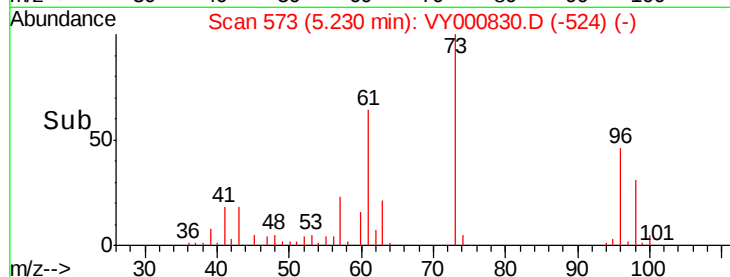
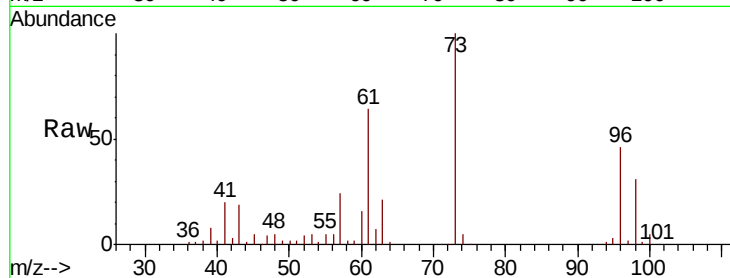
98 66.1 49.4 74.2

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



#22

Diisopropyl ether

Concen: 56.134 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion: 45 Resp: 667719

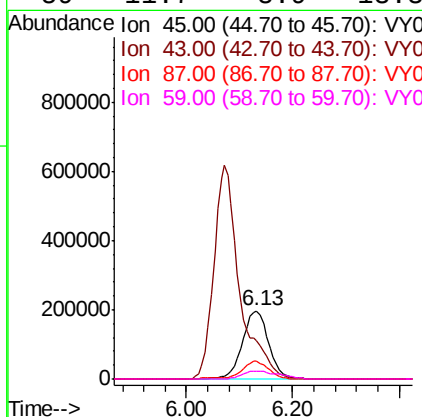
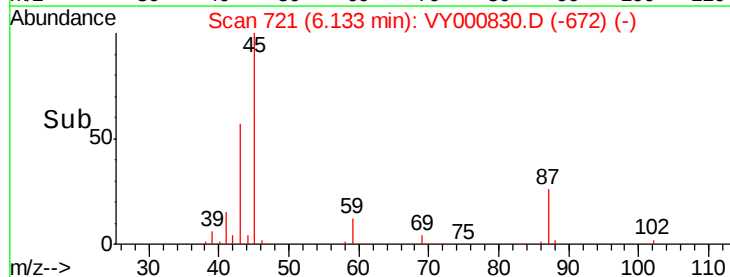
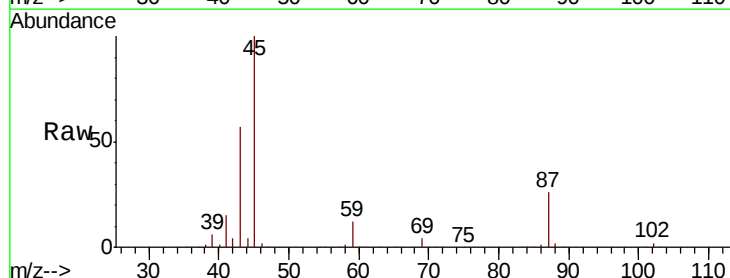
Ion Ratio Lower Upper

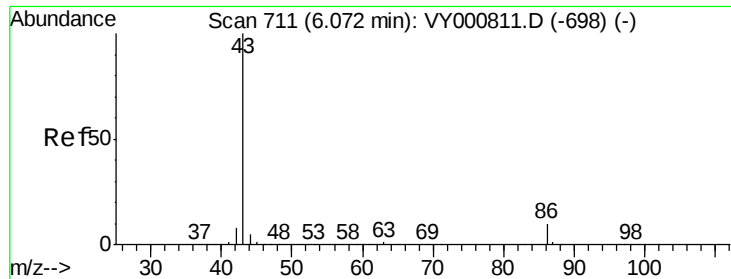
45 100

43 56.5 42.7 64.1

87 26.3 22.0 33.0

59 11.7 8.9 13.3





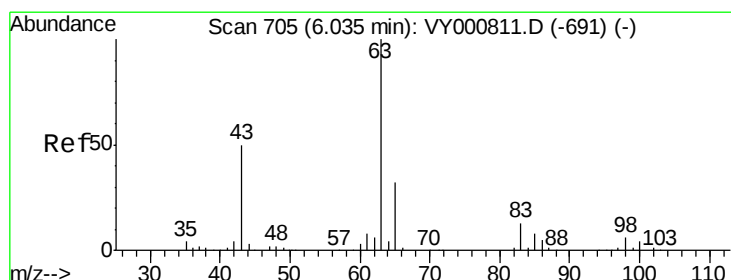
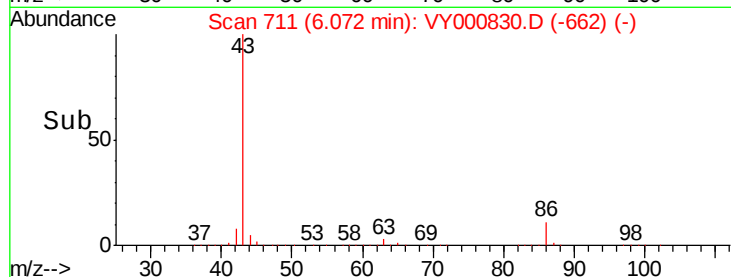
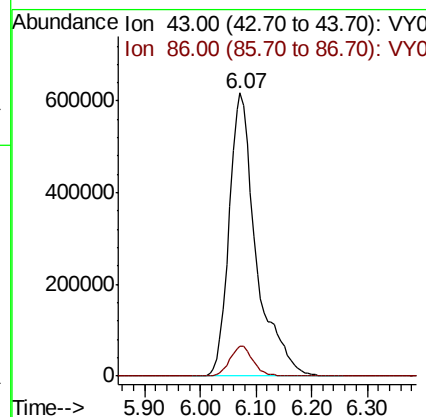
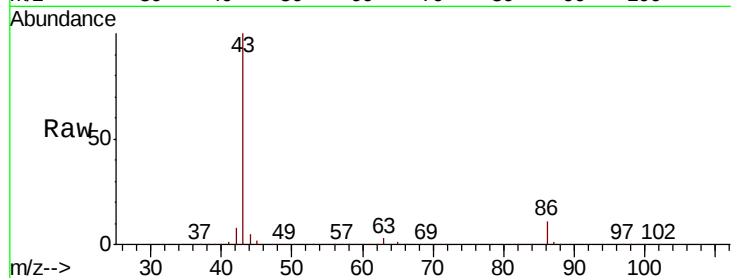
#23
 Vinyl Acetate
 Concen: 286.841 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2074285
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5

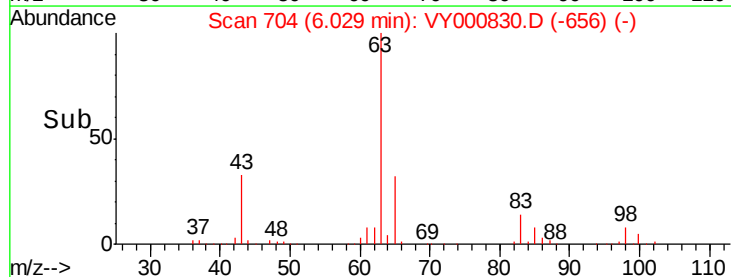
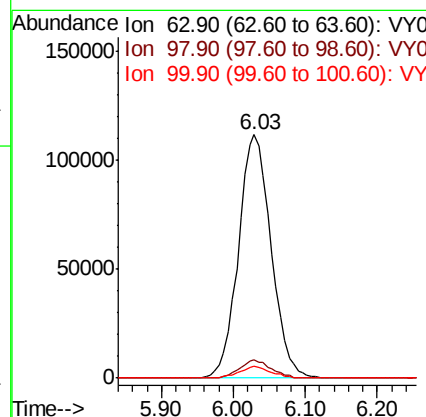
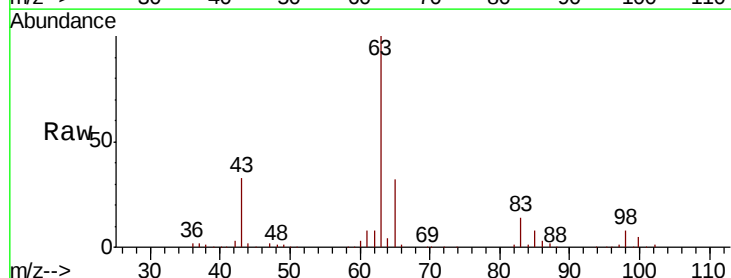
Manual Integrations
 APPROVED

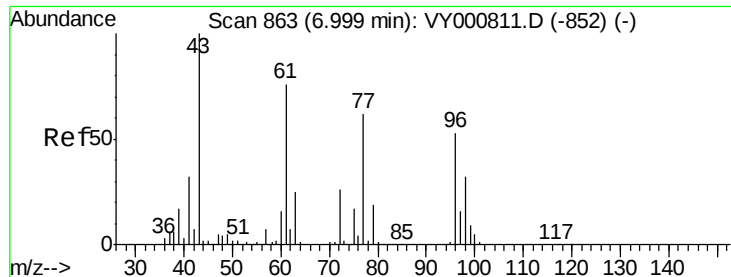
MMDadoda
 12/2/2019 11:37:00 AM



#24
 1,1-Dichloroethane
 Concen: 53.635 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion: 63 Resp: 351638
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.3 9.8
 100 4.9 2.2 6.6





#25

2-Butanone

Concen: 284.361 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 394168

Ion Ratio Lower Upper

43 100

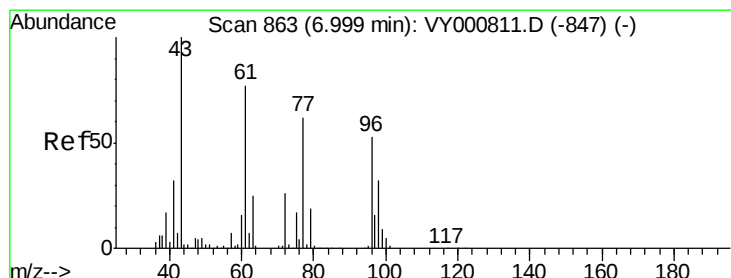
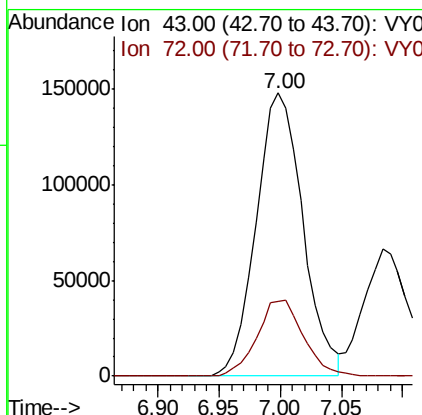
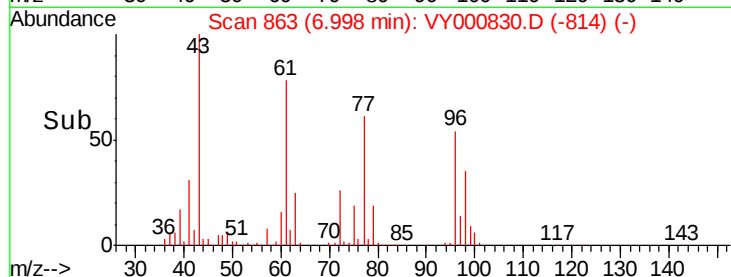
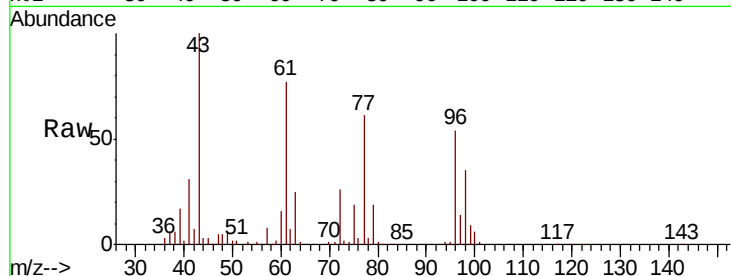
72 26.3 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



#26

2,2-Dichloropropane

Concen: 51.090 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000830.D

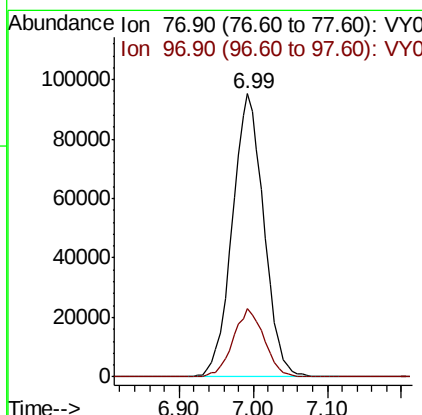
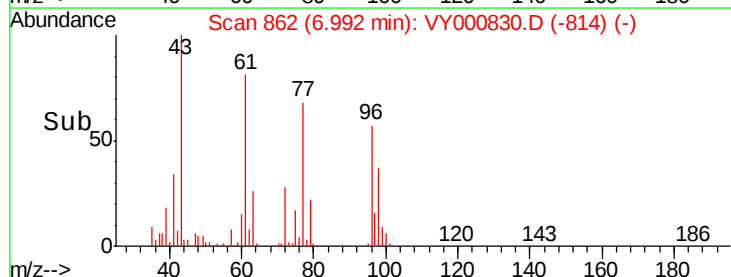
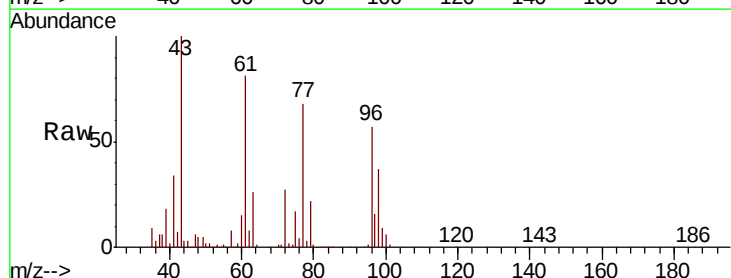
Acq: 27 Nov 2019 19:21

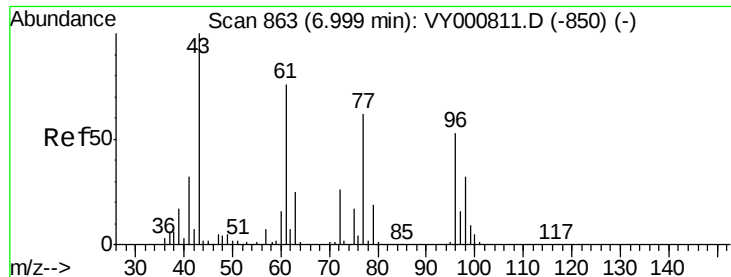
Tgt Ion: 77 Resp: 281913

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9





#27

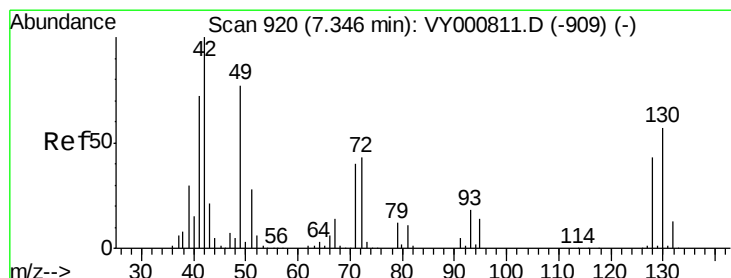
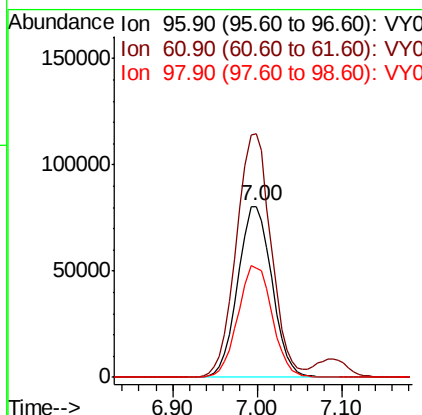
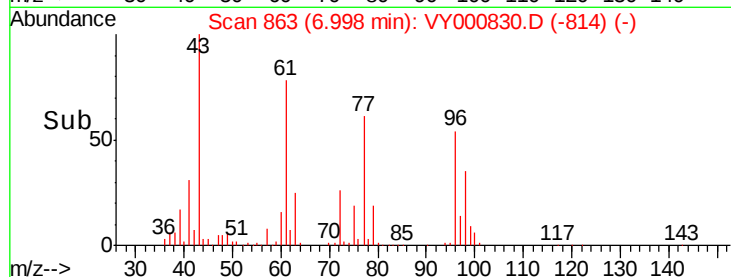
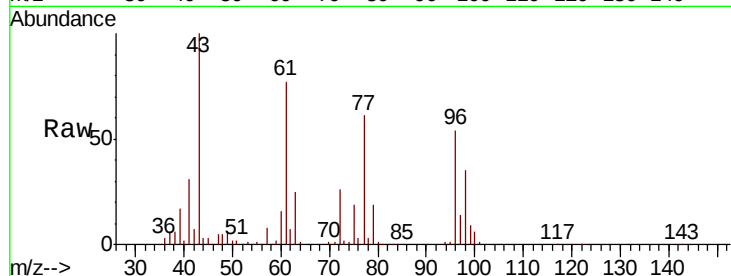
cis-1,2-Dichloroethene
Concen: 53.431 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	285.0
98	65.2	0.0	128.0

Manual Integrations
APPROVED

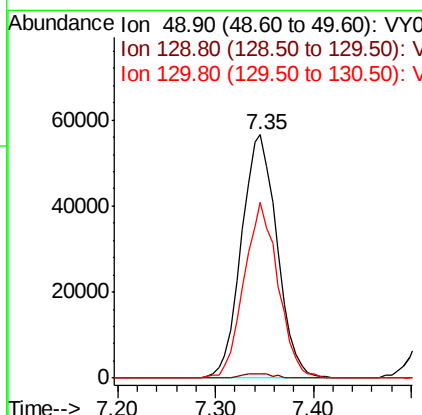
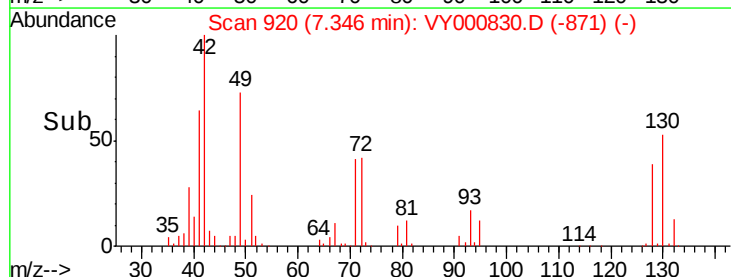
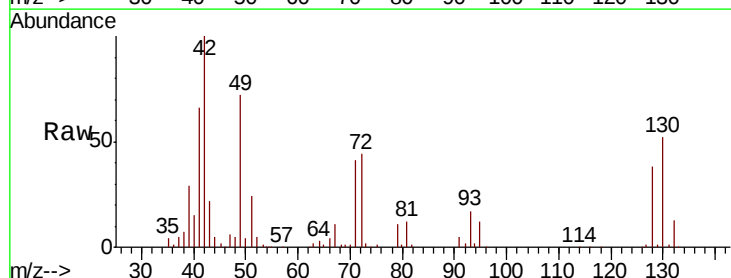
MMDadoda
12/2/2019 11:37:00 AM

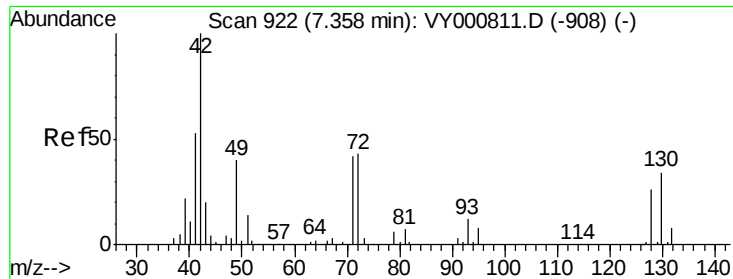


#28

Bromochloromethane
Concen: 59.253 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.0	58.7	88.1





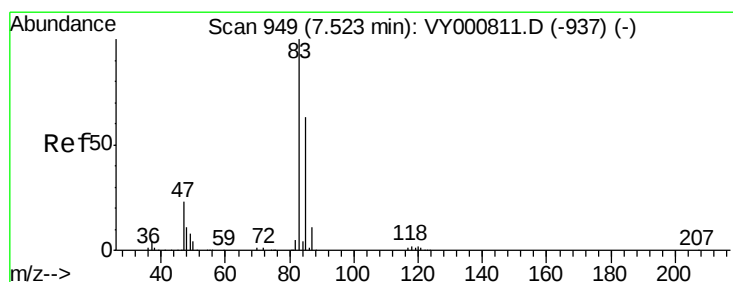
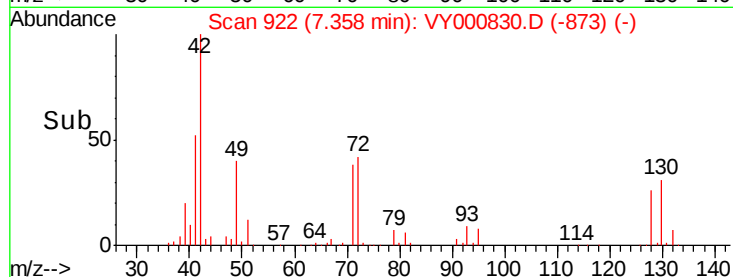
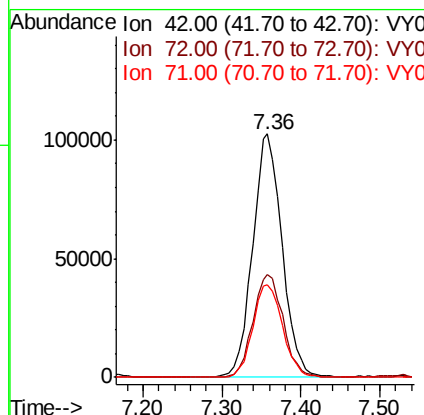
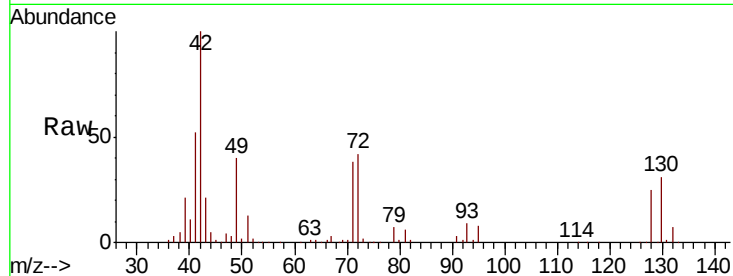
#29
Tetrahydrofuran
Concen: 289.939 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.1	52.7
71	38.6	32.8	49.2

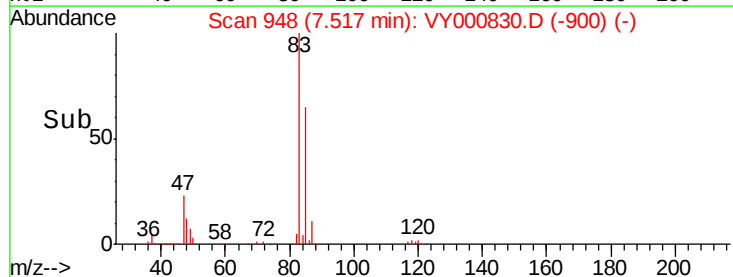
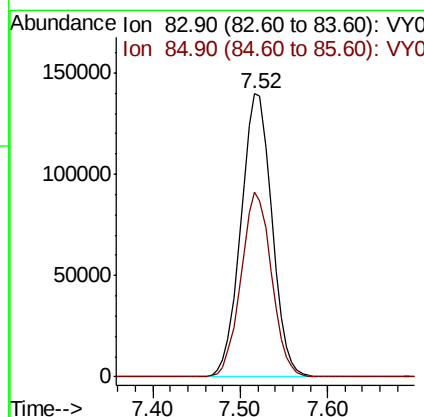
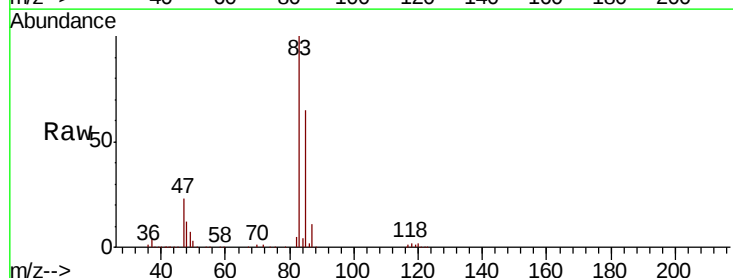
Manual Integrations
APPROVED

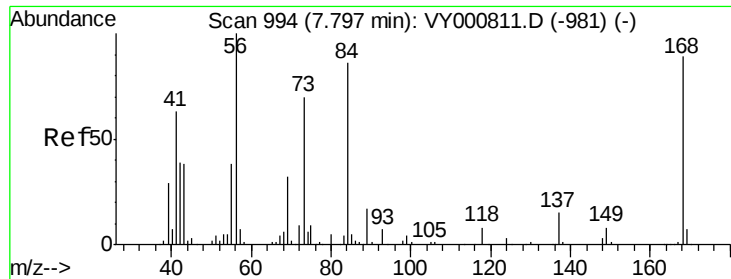
MMDadoda
12/2/2019 11:37:00 AM



#30
Chloroform
Concen: 52.391 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6





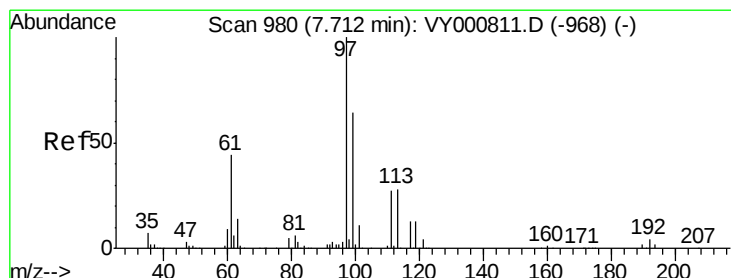
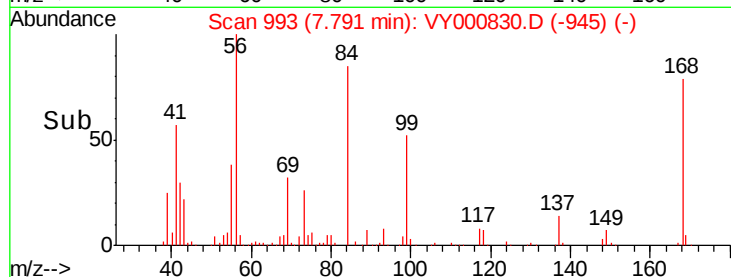
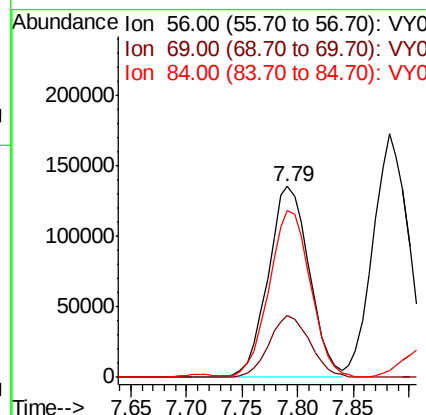
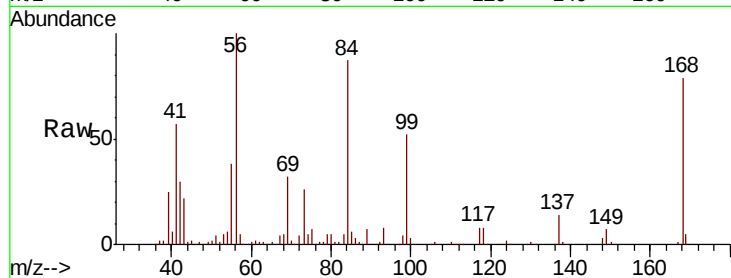
#31
Cyclohexane
Concen: 50.171 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	85.8	68.6	102.8

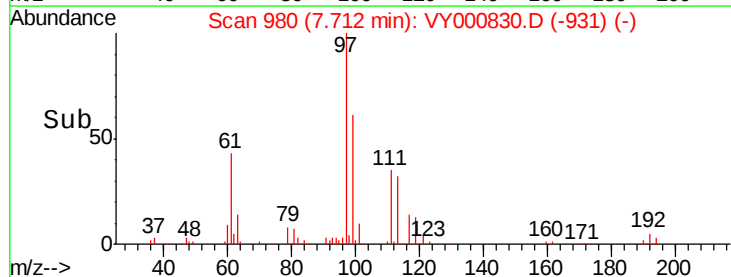
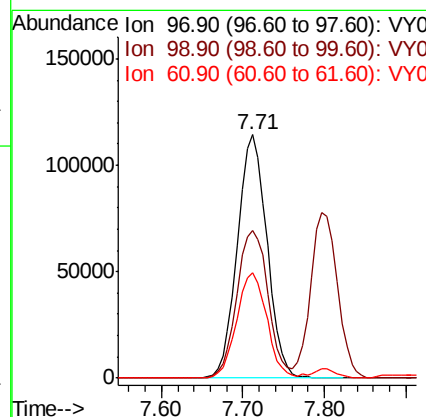
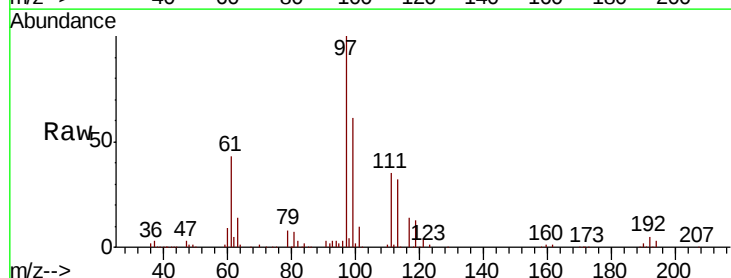
Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#32
1,1,1-Trichloroethane
Concen: 52.837 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	44.1	35.0	52.6





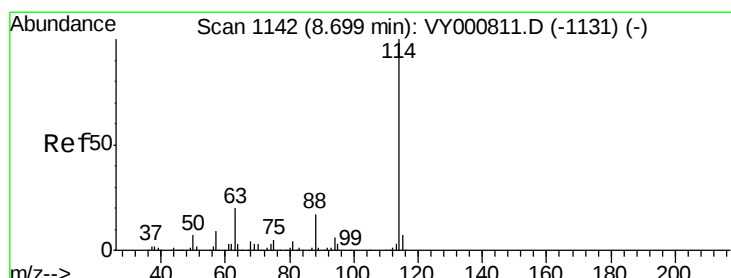
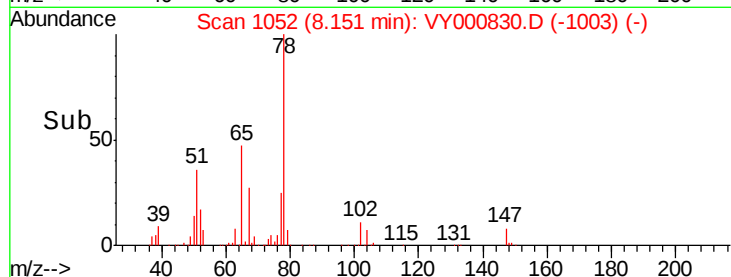
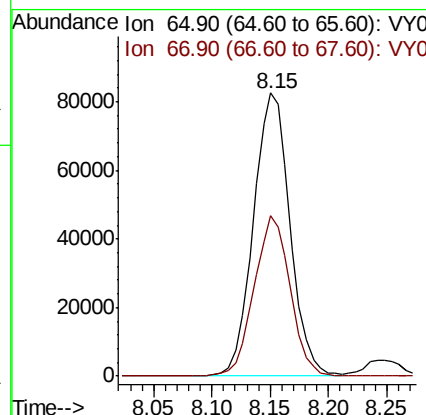
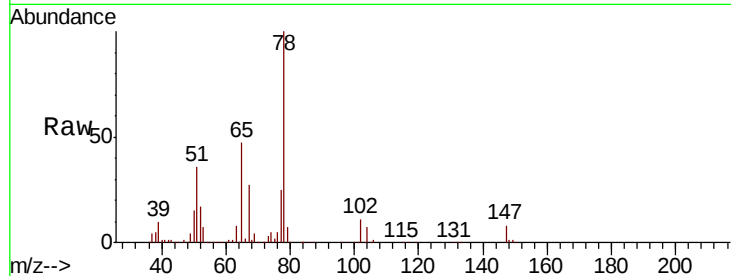
#33
 1,2-Dichloroethane-d4
 Concen: 55.205 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180579		
67	56.0	0.0	112.0	

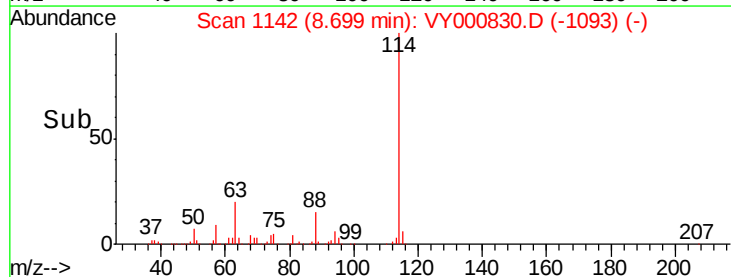
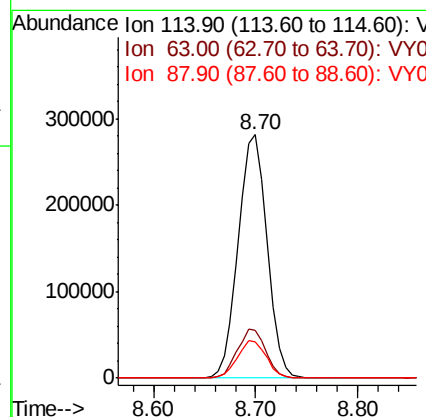
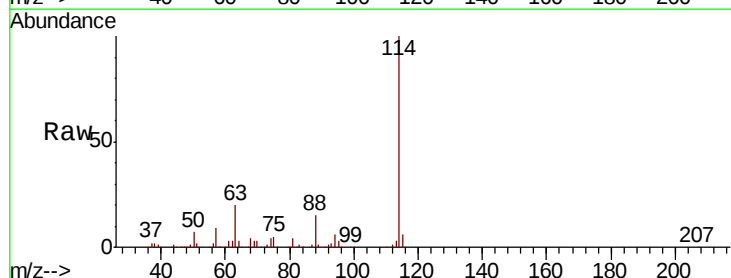
Manual Integrations
 APPROVED

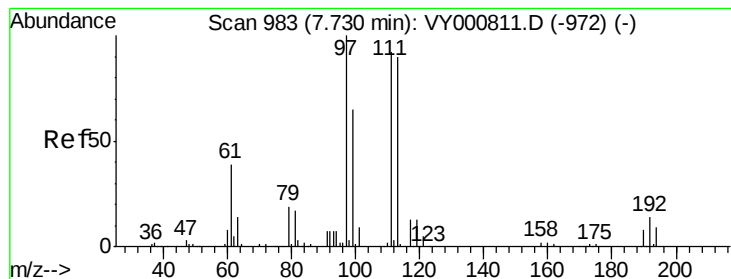
MMDadoda
 12/2/2019 11:37:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	551343		
63	19.7	0.0	39.8	
88	14.9	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.175 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

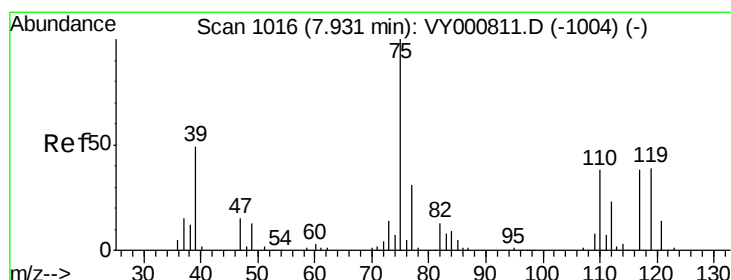
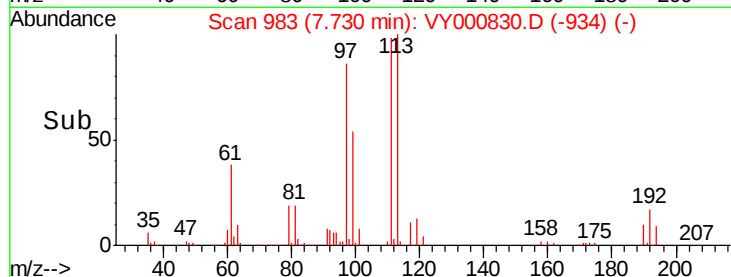
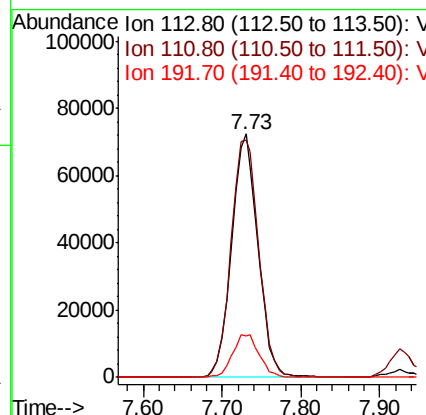
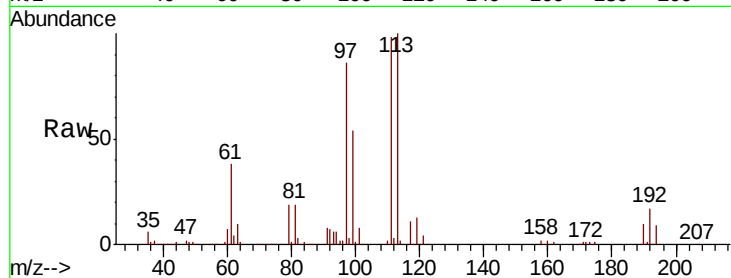
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	167649
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.4	123.6
192	18.0	14.2	21.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#36

1,1-Dichloropropene

Concen: 50.119 ug/l

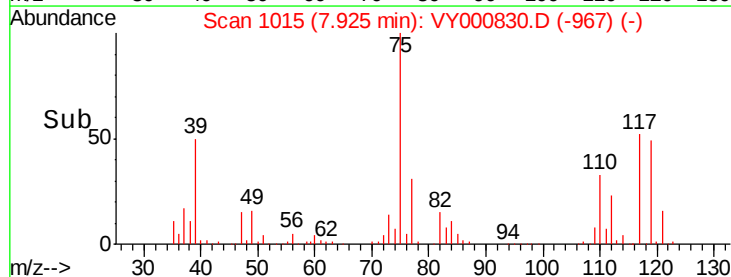
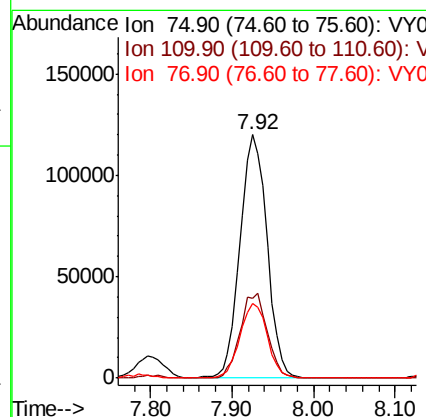
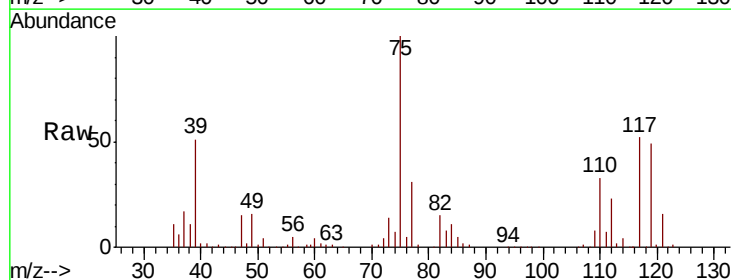
RT: 7.92 min Scan# 1015

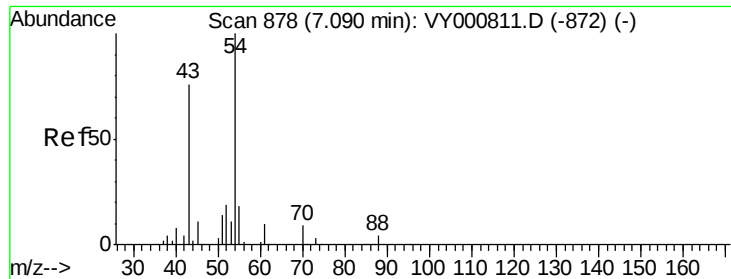
Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	75	Resp:	274751
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.9	53.7
77	31.2	24.7	37.1





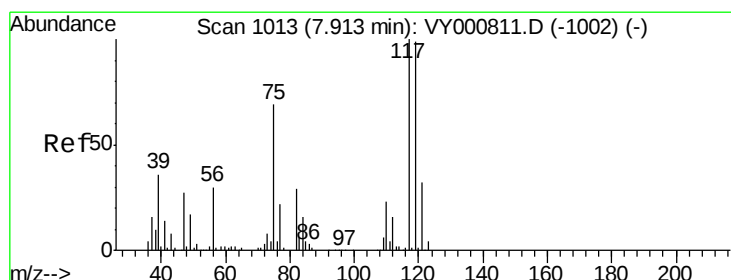
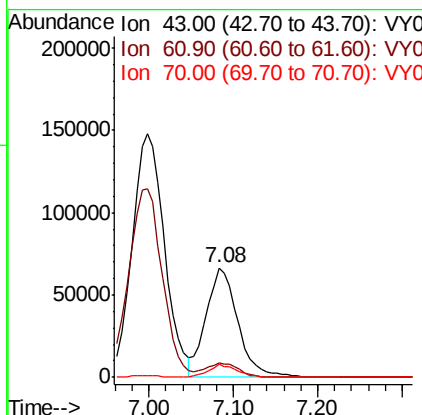
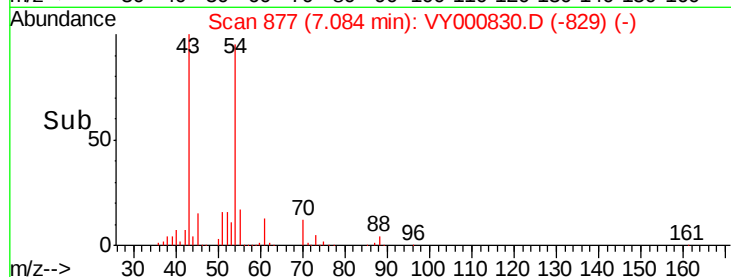
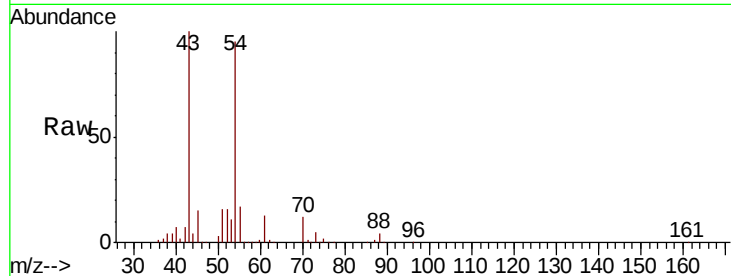
#37
Ethyl Acetate
Concen: 54.938 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	10.3	8.7	13.1

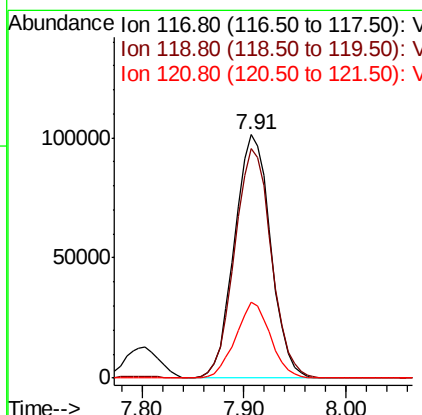
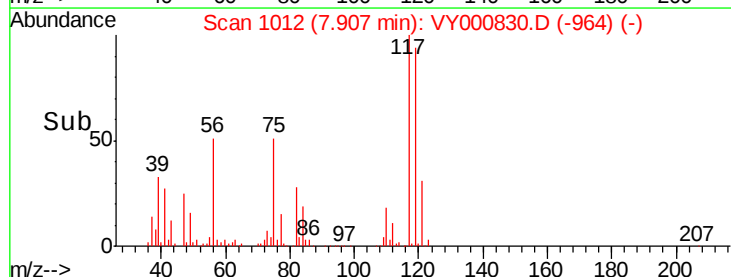
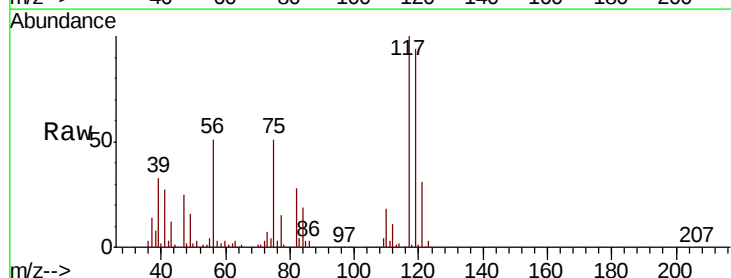
Manual Integrations
APPROVED

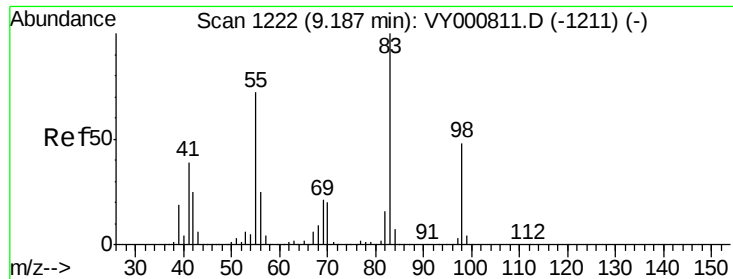
MMDadoda
12/2/2019 11:37:00 AM



#38
Carbon Tetrachloride
Concen: 51.236 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	79.3	118.9
121	31.1	25.5	38.3





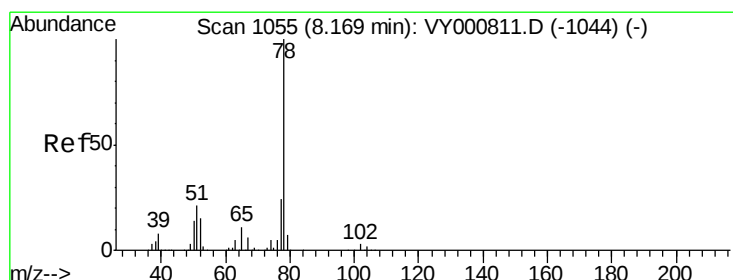
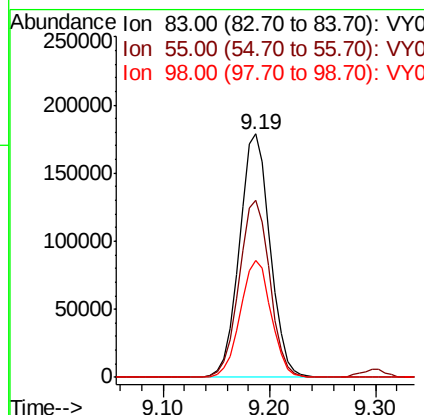
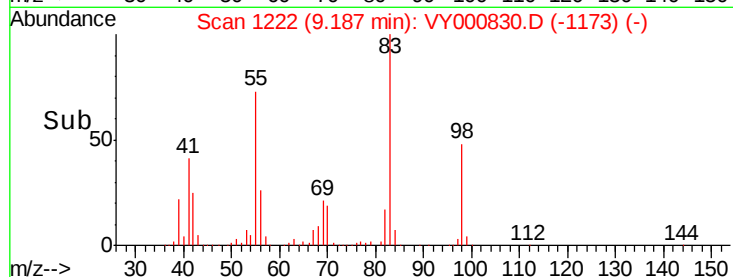
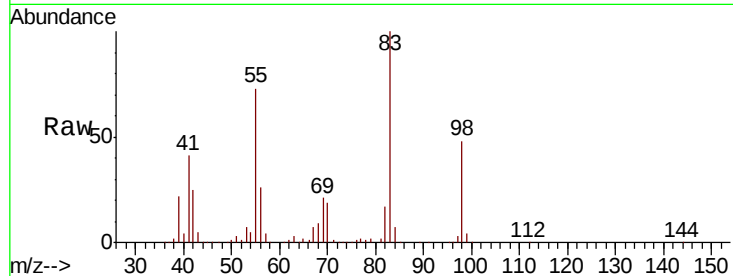
#39
Methvlcvclohexane
Concen: 49.700 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.8	86.6
98	47.8	38.6	58.0

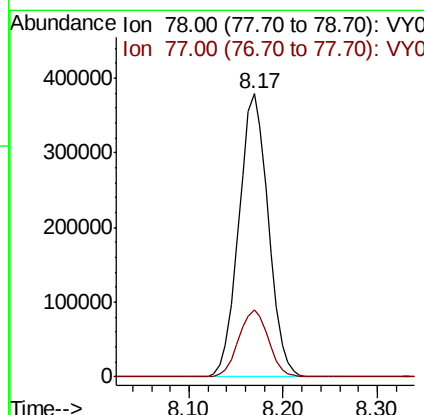
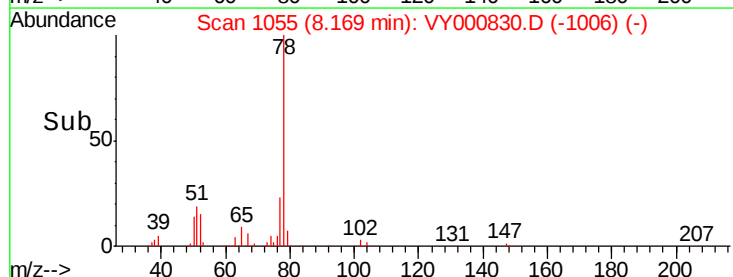
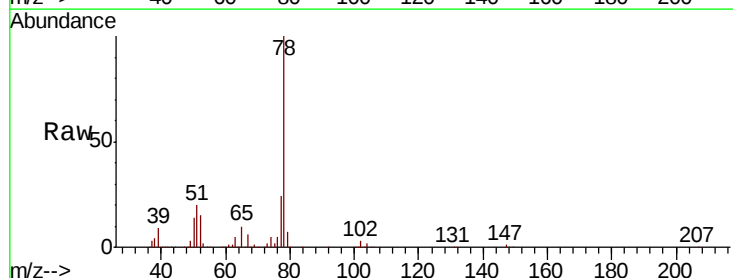
Manual Integrations
APPROVED

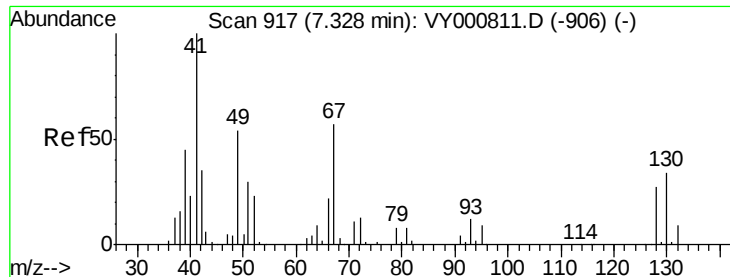
MMDadoda
12/2/2019 11:37:00 AM



#40
Benzene
Concen: 51.803 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





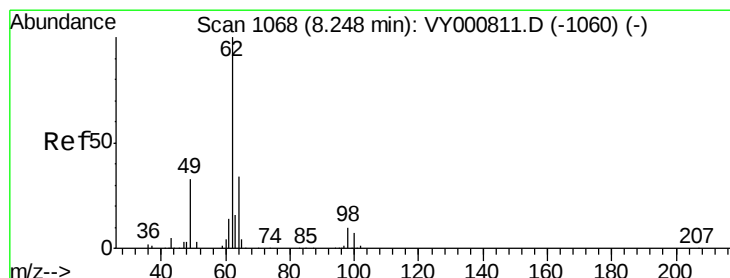
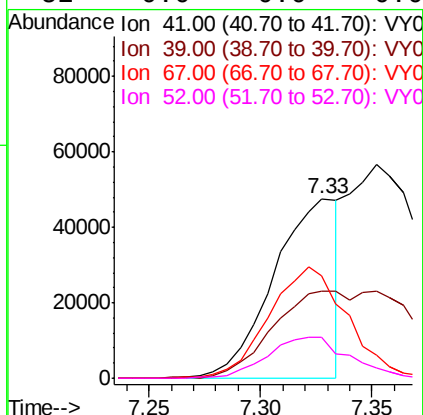
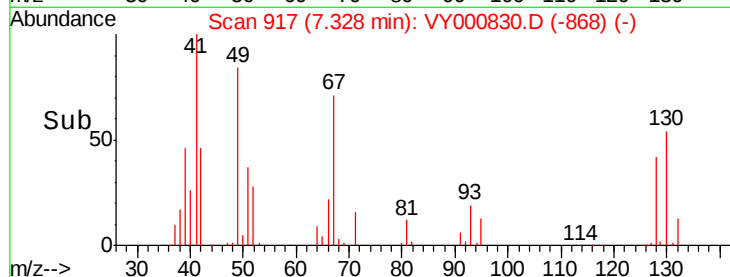
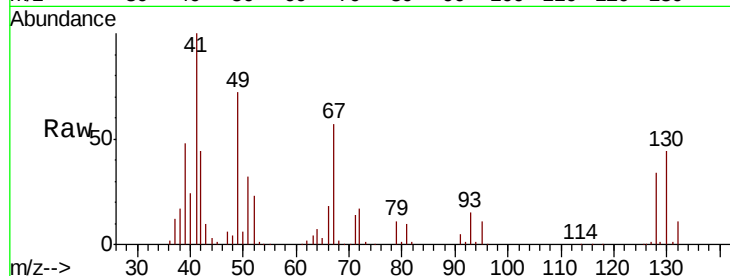
#41
Methacrylonitrile
Concen: 57.607 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	96107
Ion Ratio	Lower	Upper	
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

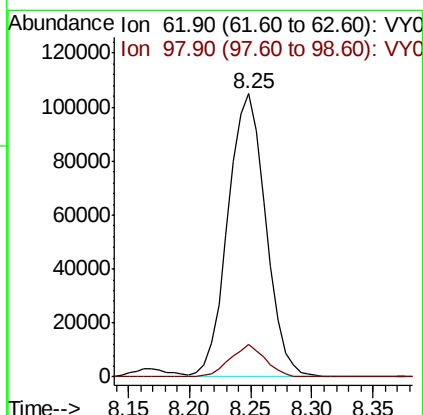
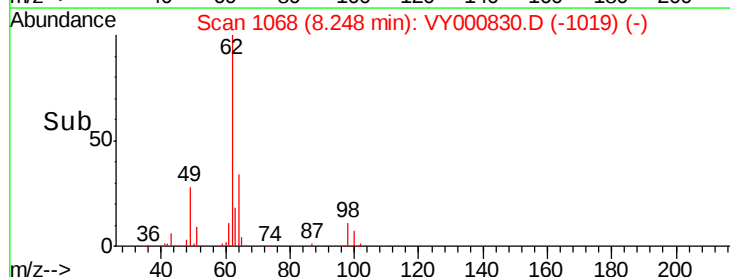
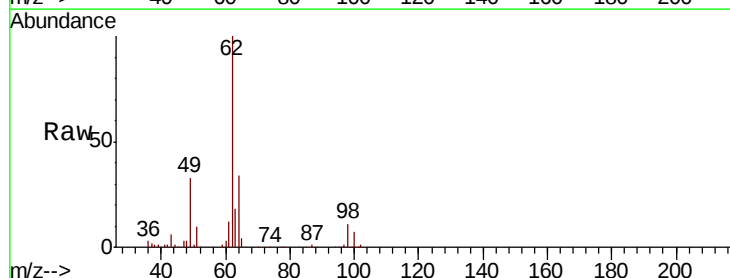
Manual Integrations
APPROVED

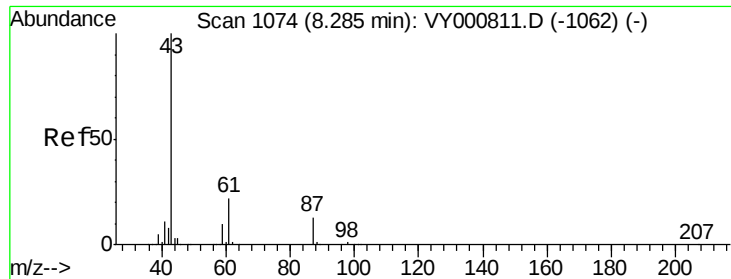
MMDadoda
12/2/2019 11:37:00 AM



#42
1,2-Dichloroethane
Concen: 53.525 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion:	62	Resp:	224775
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	21.4





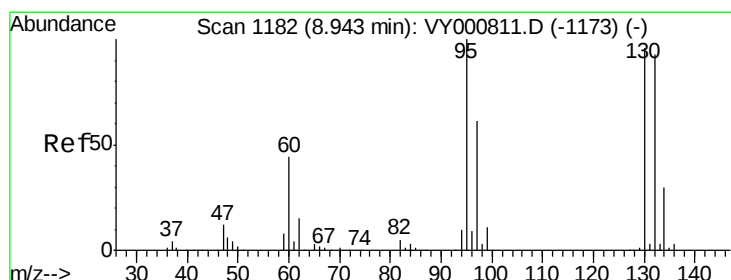
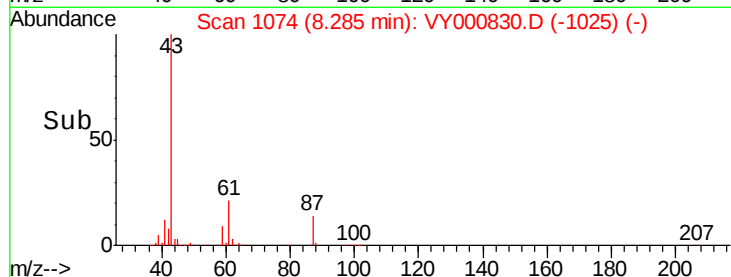
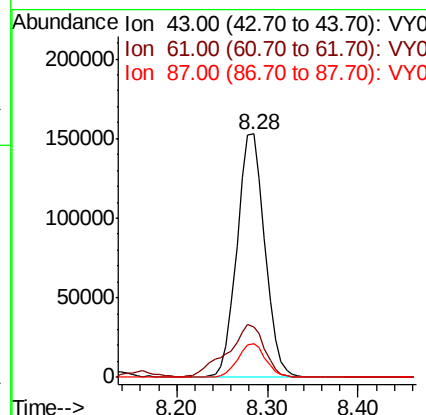
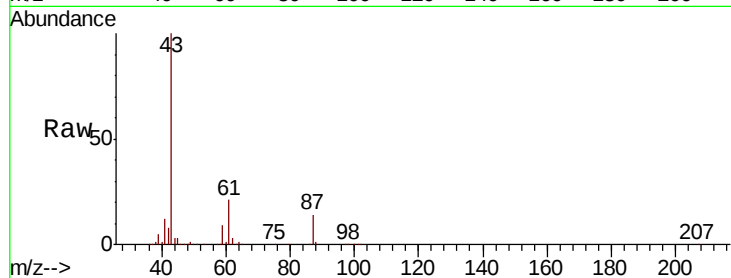
#43
Isopropyl Acetate
Concen: 54.495 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.7	35.5
87	13.8	10.6	15.8

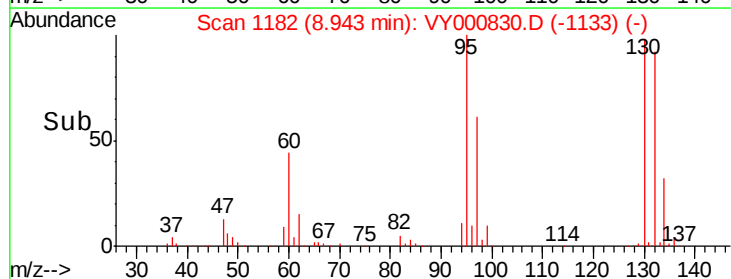
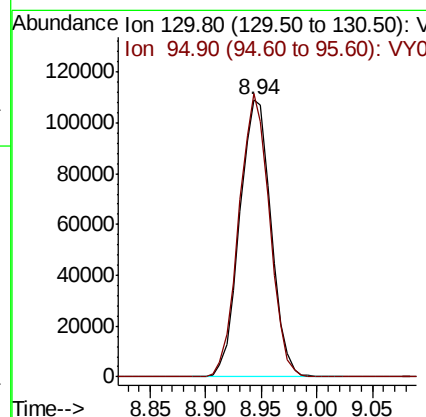
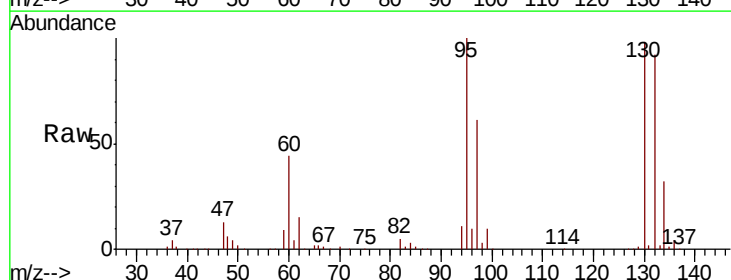
Manual Integrations
APPROVED

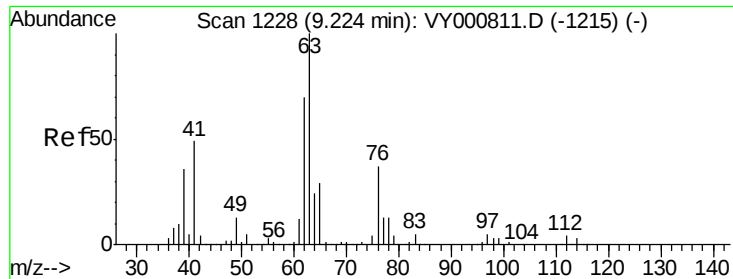
MMDadoda
12/2/2019 11:37:00 AM



#44
Trichloroethene
Concen: 51.842 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	207.8





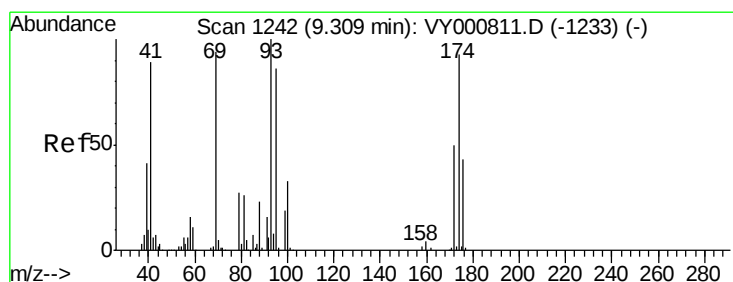
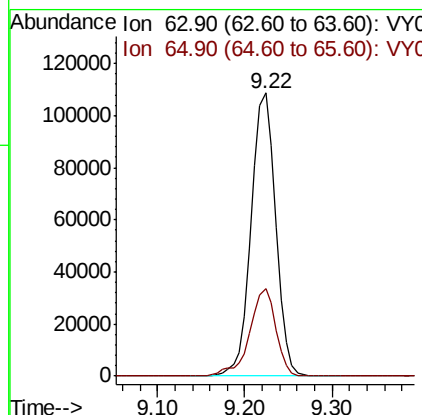
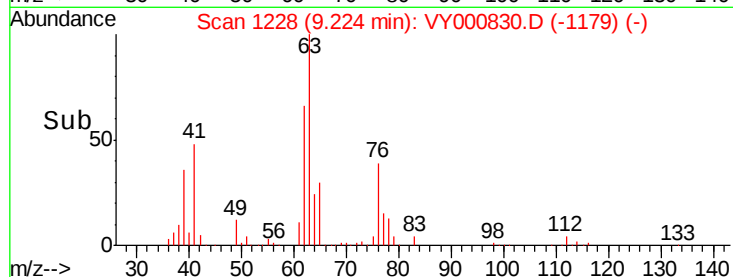
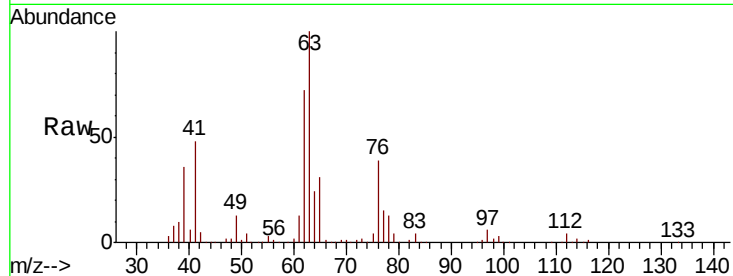
#45
 1,2-Dichloropropane
 Concen: 52.571 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 210859
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 34.8

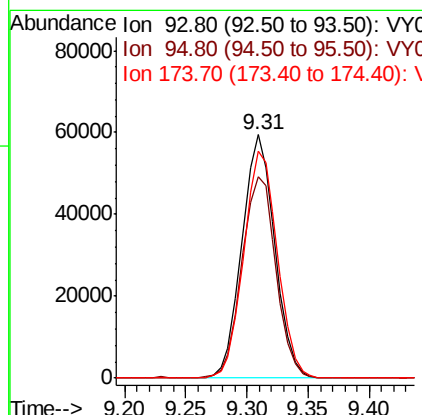
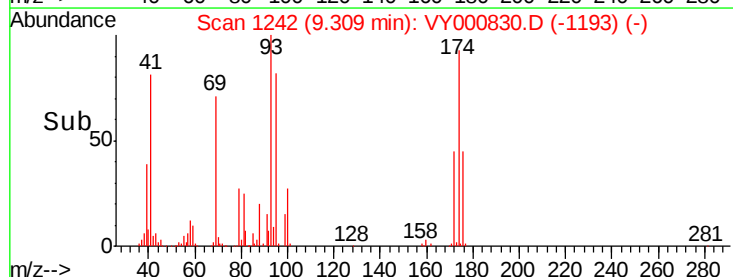
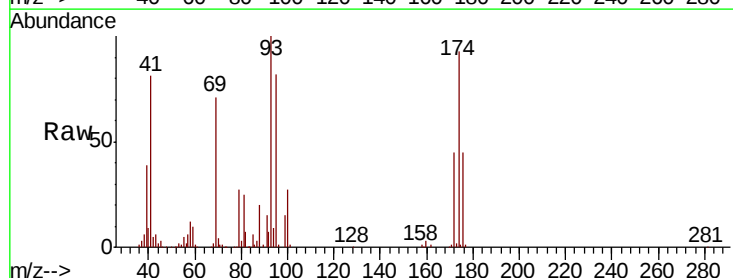
Manual Integrations
 APPROVED

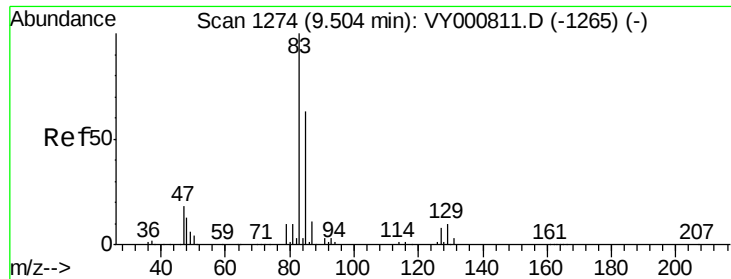
MMDadoda
 12/2/2019 11:37:00 AM



#46
 Dibromomethane
 Concen: 52.899 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion: 93 Resp: 110860
 Ion Ratio Lower Upper
 93 100
 95 85.9 66.4 99.6
 174 95.6 73.0 109.6





#47

Bromodichloromethane

Concen: 53.026 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

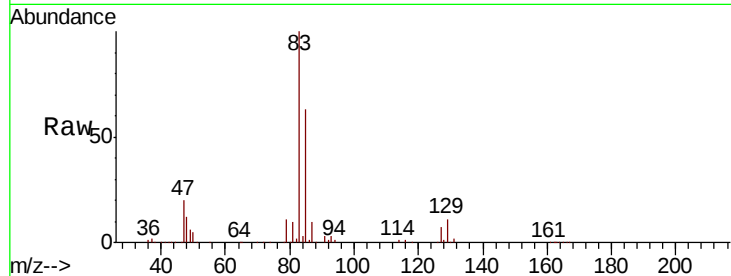
ClientSampleId :

VSTDCCC050EC

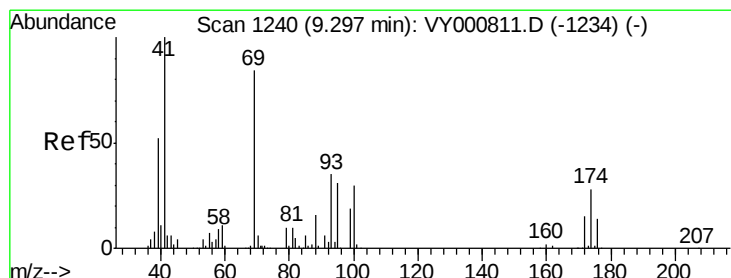
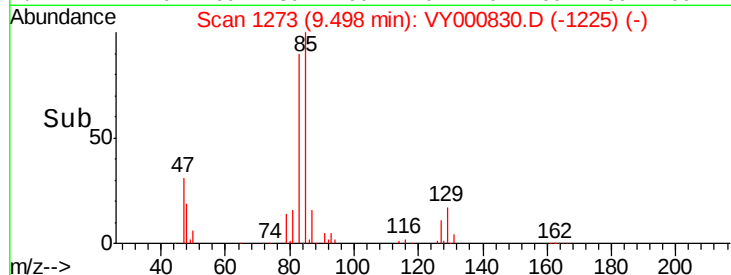
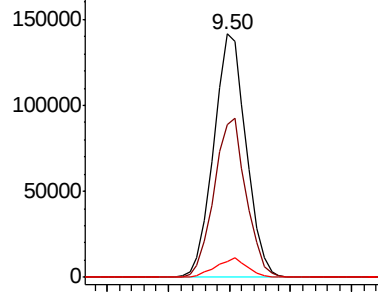
Tot Ion:	83	Resp:	261052
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.8	76.2
127	6.6	6.6	10.0#

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 54.703 ug/l

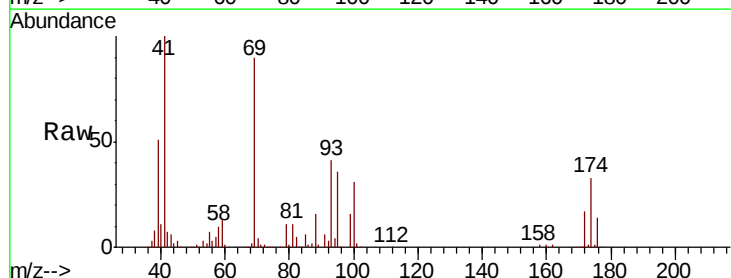
RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

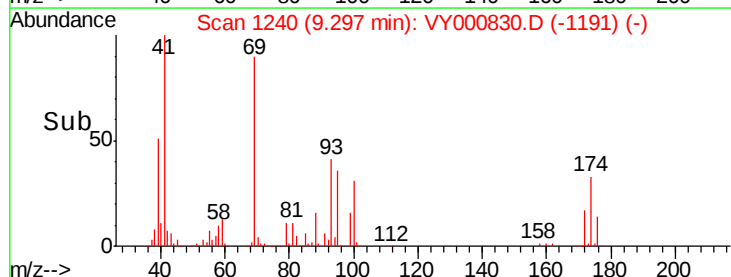
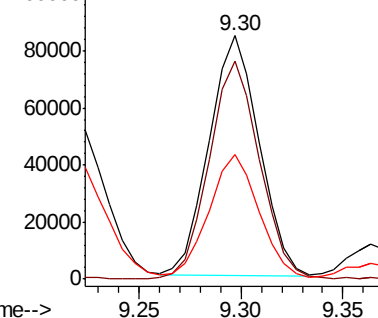
Lab File: VY000830.D

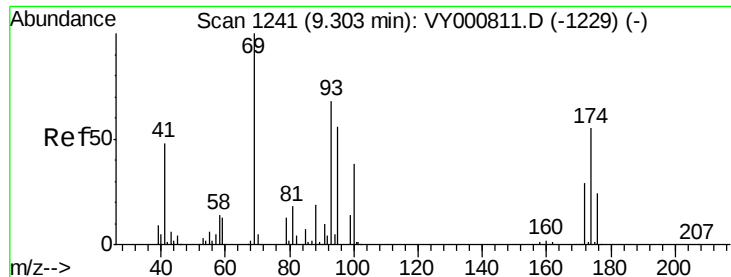
Acq: 27 Nov 2019 19:21

Tgt Ion:	41	Resp:	143490
Ion Ratio	Lower	Upper	
41	100		
69	91.4	70.4	105.6
39	52.3	40.9	61.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





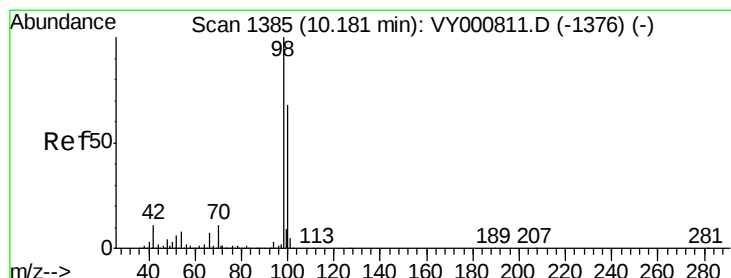
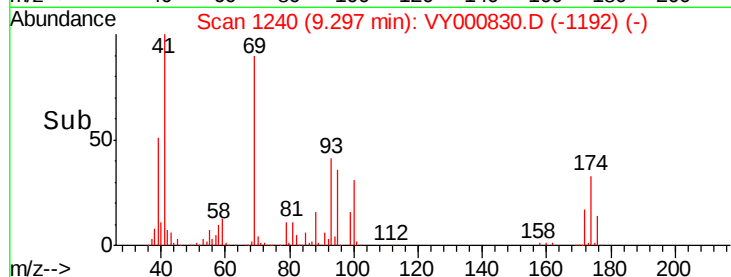
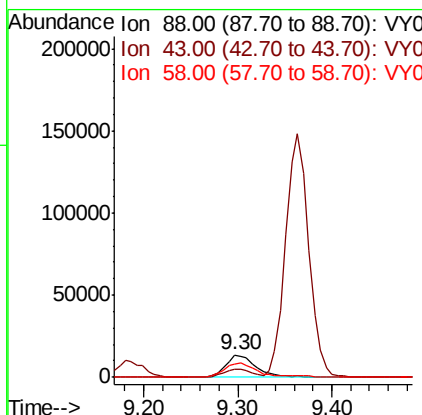
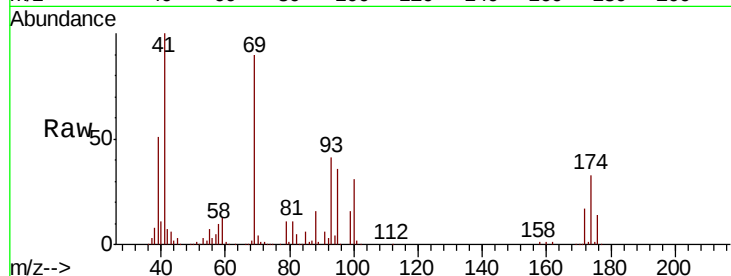
#49
1,4-Dioxane
Concen: 1050.580 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	31196
Ion Ratio	Lower	Upper	
88	100		
43	32.1	21.1	31.7#
58	70.4	50.7	76.1

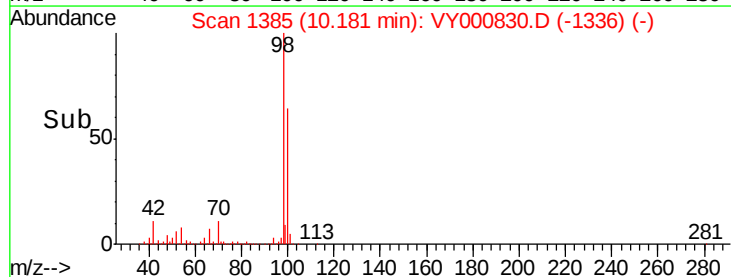
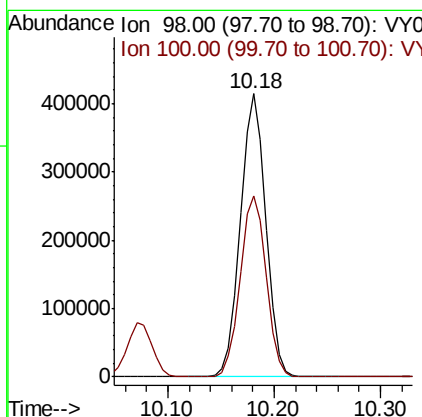
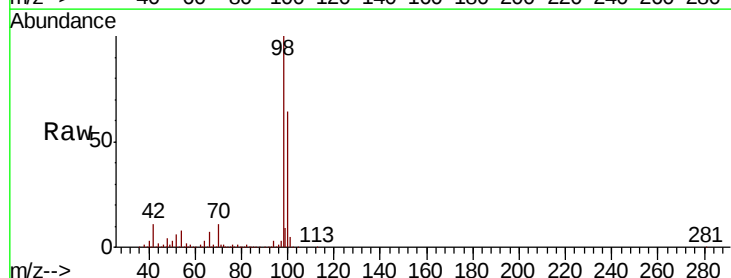
Manual Integrations
APPROVED

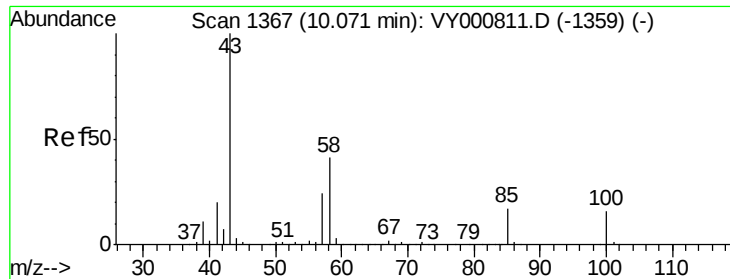
MMDadoda
12/2/2019 11:37:00 AM



#50
Toluene-d8
Concen: 54.014 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	98	Resp	693884
Ion Ratio	Lower	Upper	
98	100		
100	65.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 281.822 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 868584

Ion Ratio Lower Upper

43 100

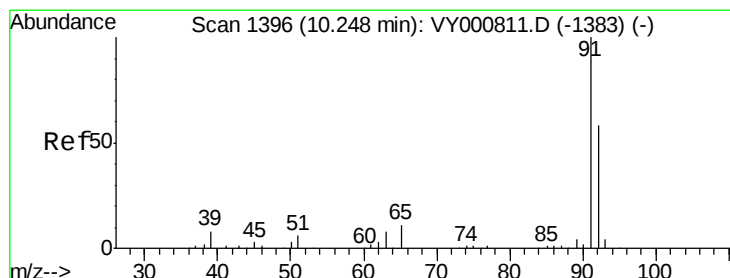
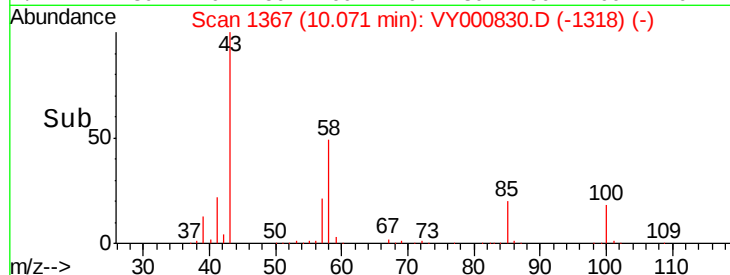
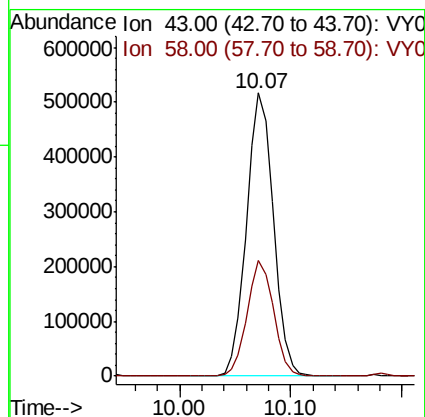
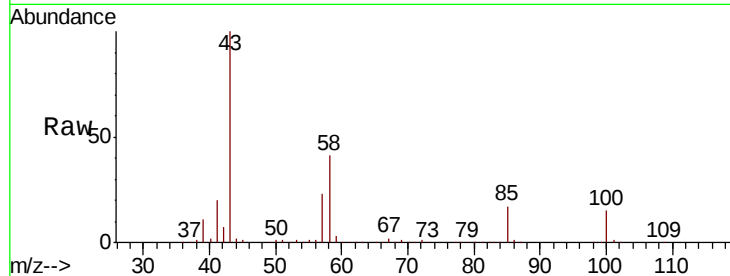
58 40.2 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



#52

Toluene

Concen: 51.472 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000830.D

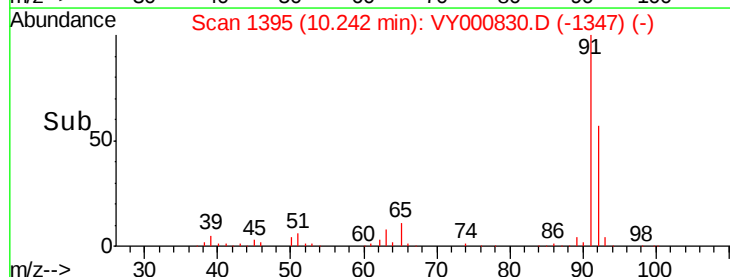
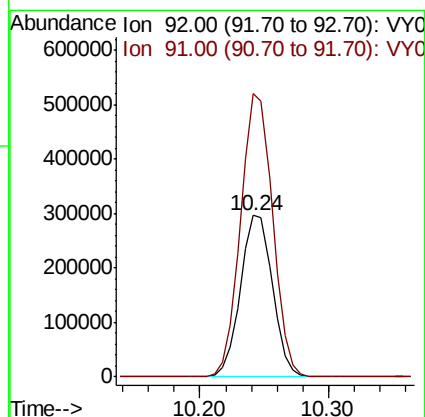
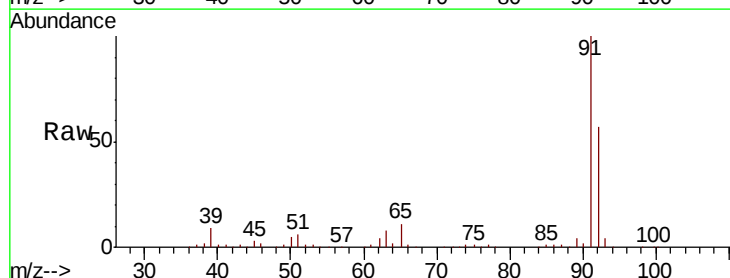
Acq: 27 Nov 2019 19:21

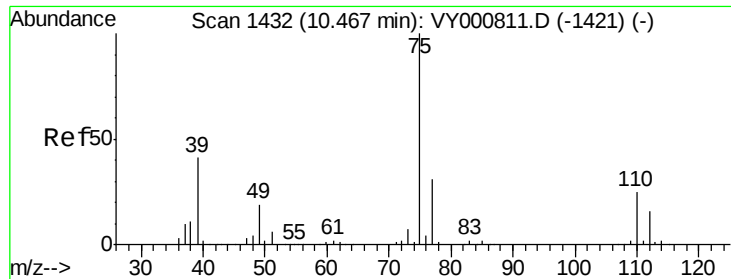
Tgt Ion: 92 Resp: 508891

Ion Ratio Lower Upper

92 100

91 175.6 136.6 204.8





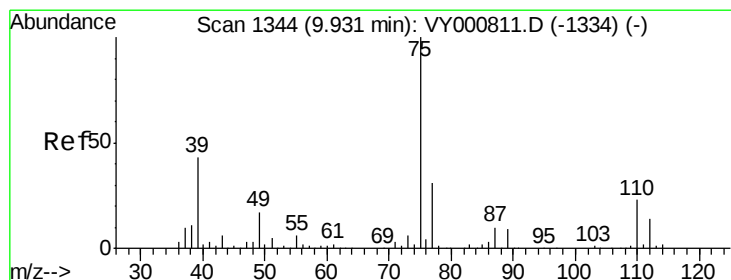
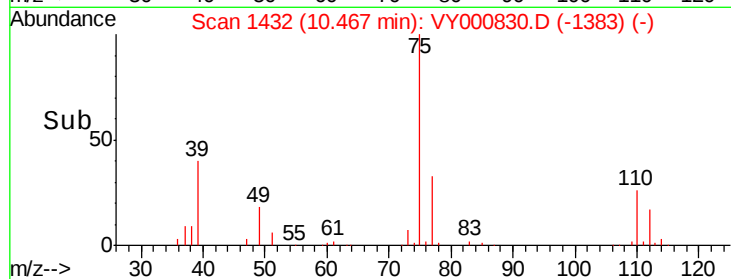
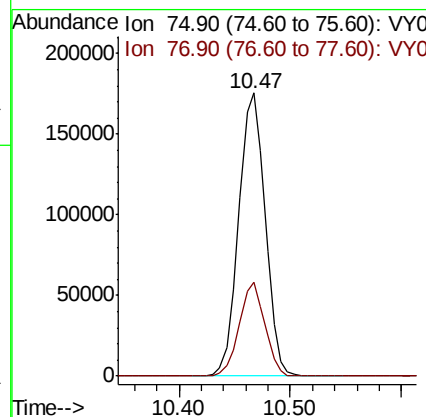
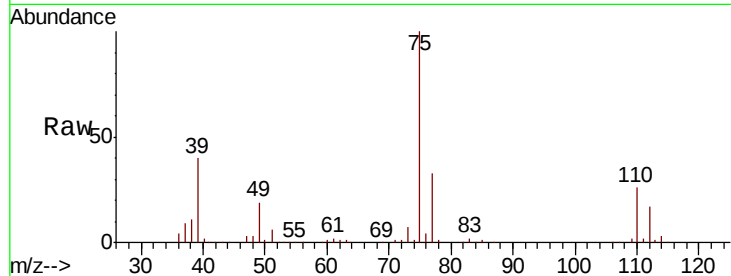
#53
t-1,3-Dichloropropene
Concen: 54.601 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 288797
Ion Ratio Lower Upper
75 100
77 33.0 25.1 37.7

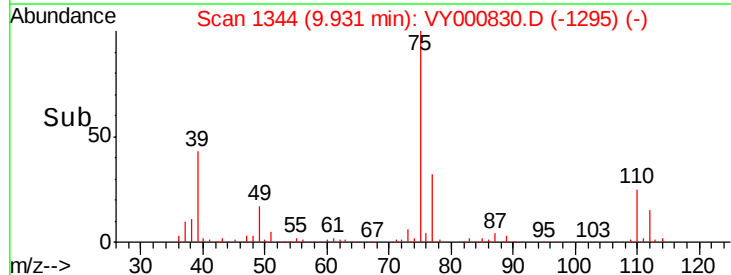
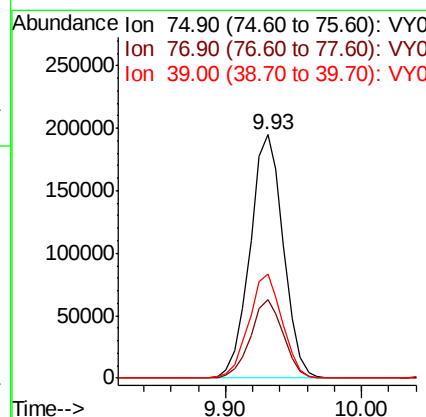
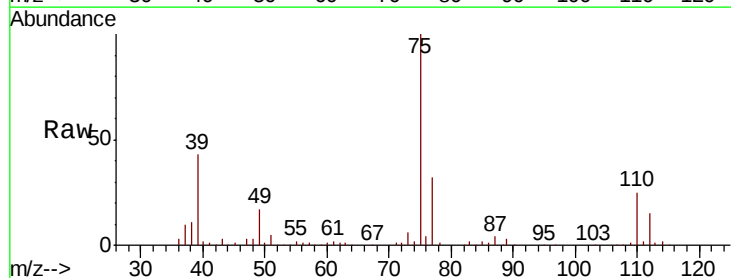
Manual Integrations
APPROVED

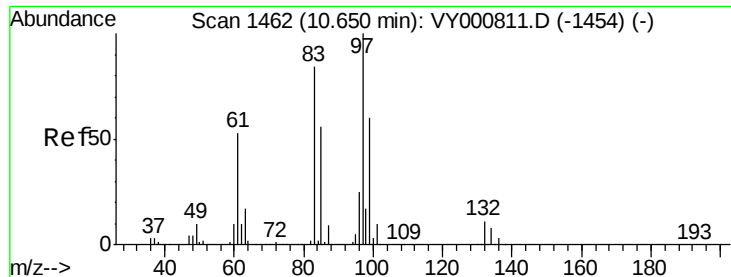
MMDadoda
12/2/2019 11:37:00 AM



#54
cis-1,3-Dichloropropene
Concen: 53.415 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion: 75 Resp: 333942
Ion Ratio Lower Upper
75 100
77 32.4 24.7 37.1
39 43.0 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 53.601 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

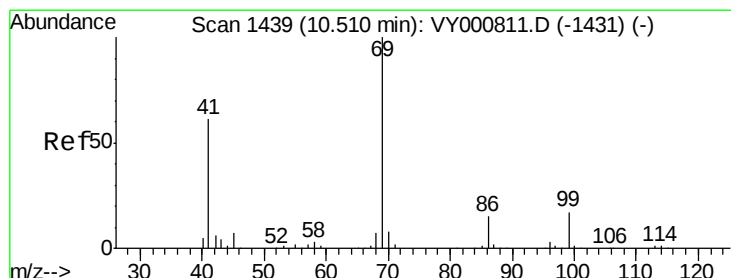
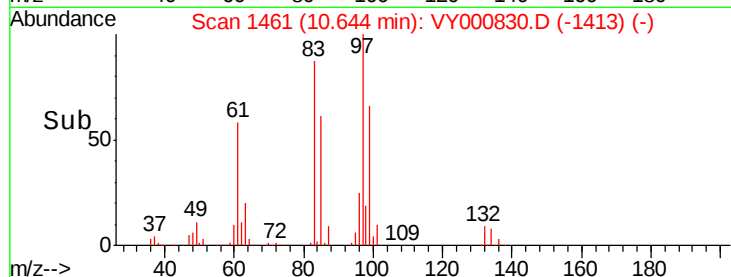
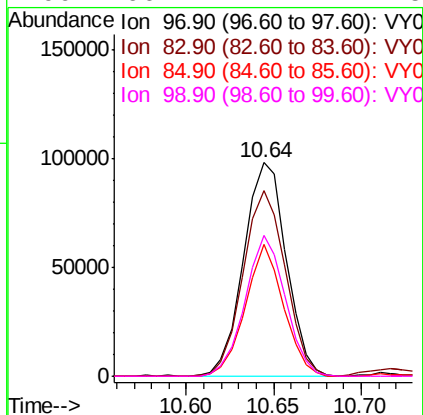
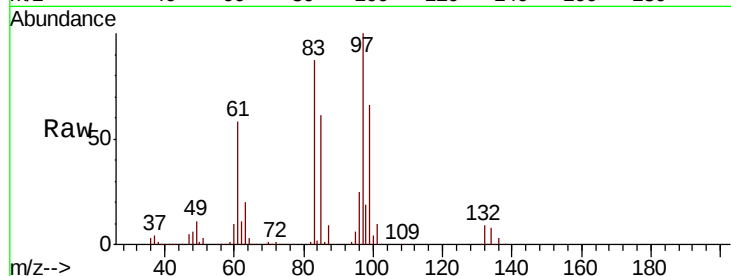
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	165961
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.5	101.3
85	61.6	44.5	66.7
99	66.2	47.7	71.5

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#56

Ethyl methacrylate

Concen: 56.745 ug/l

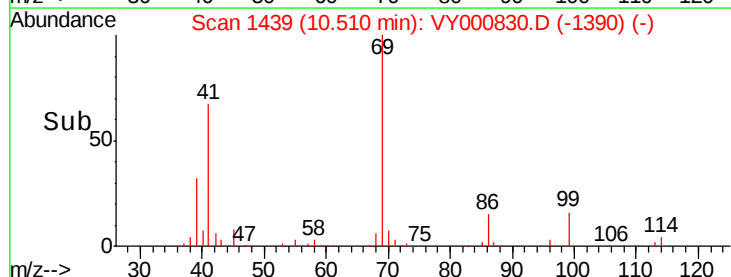
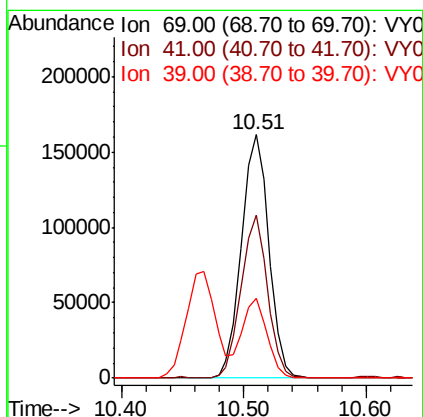
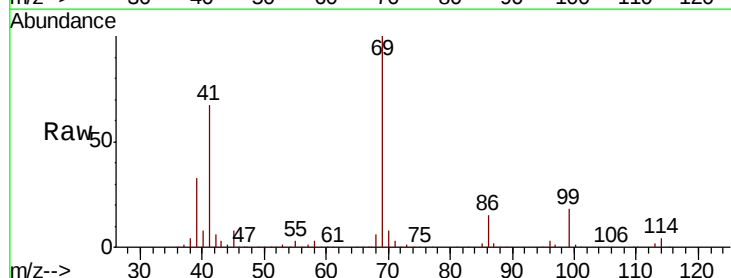
RT: 10.51 min Scan# 1439

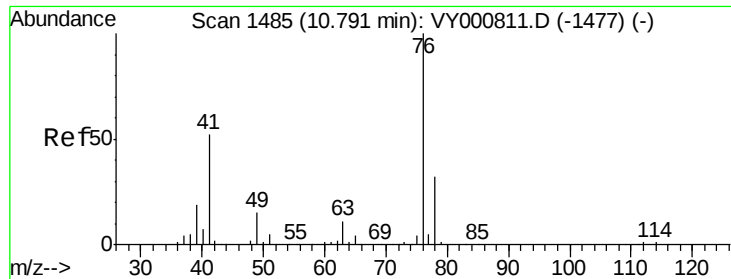
Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	69	Resp:	251340
Ion	Ratio	Lower	Upper
69	100		
41	63.8	49.0	73.6
39	31.2	23.1	34.7





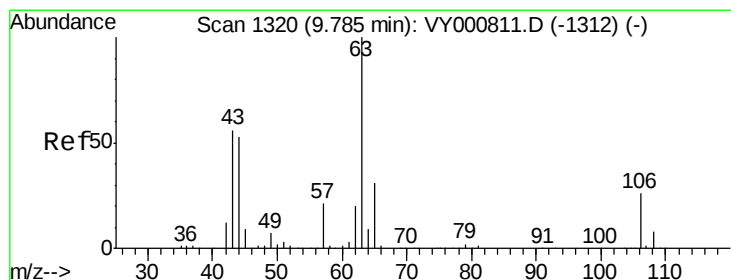
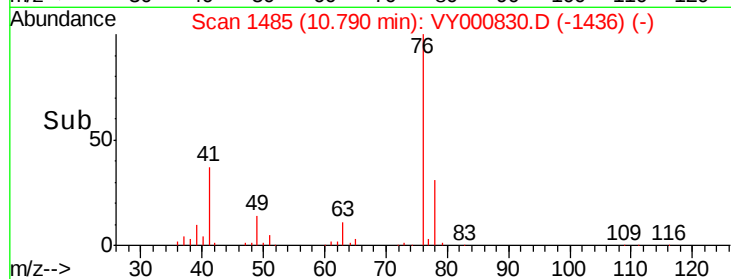
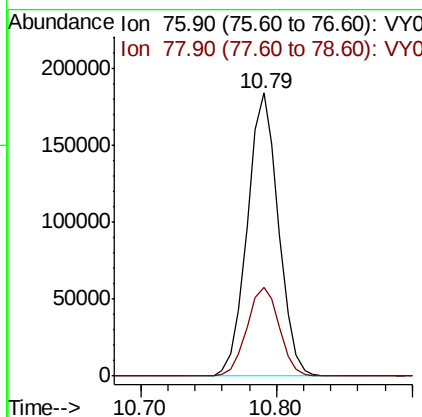
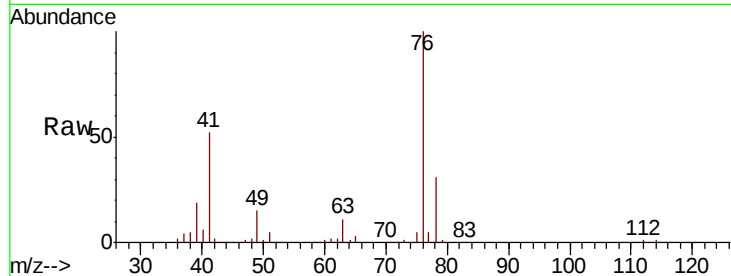
#57
 1,3-Dichloropropane
 Concen: 54.640 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.4	39.6

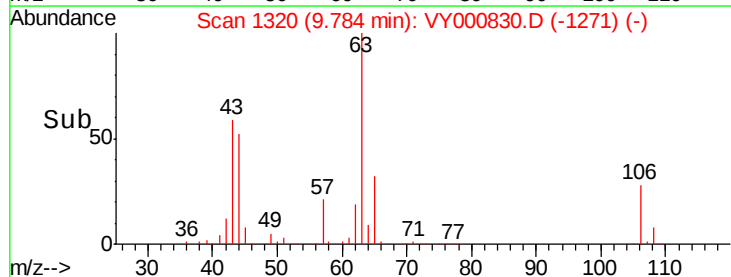
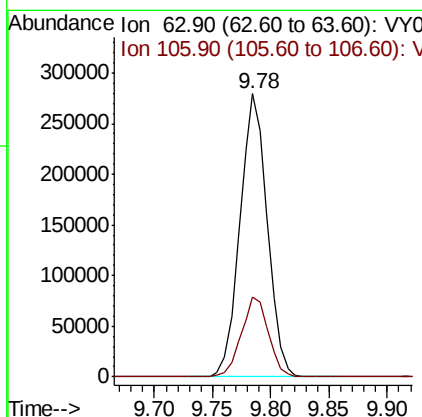
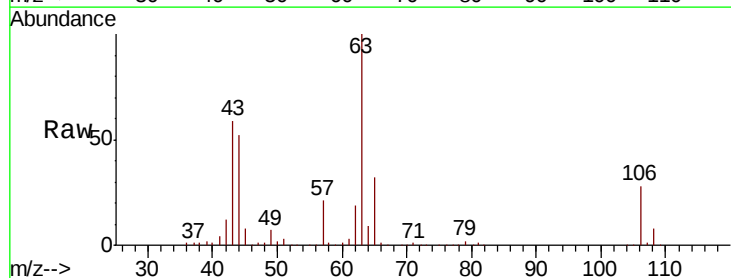
Manual Integrations
 APPROVED

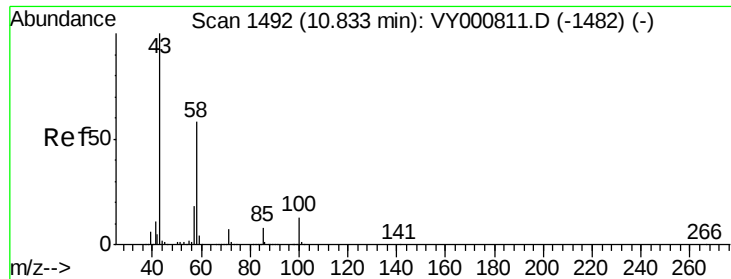
MMDadoda
 12/2/2019 11:37:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.673 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.5	32.3





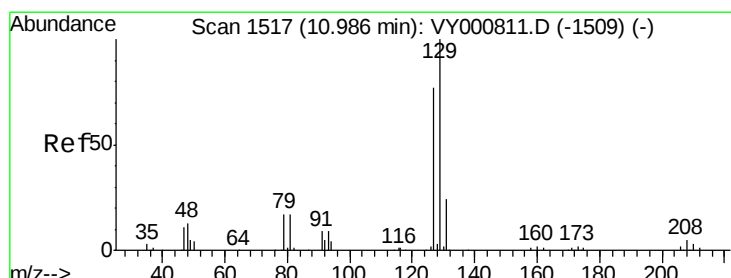
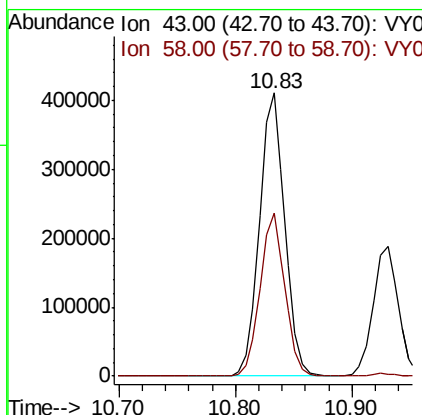
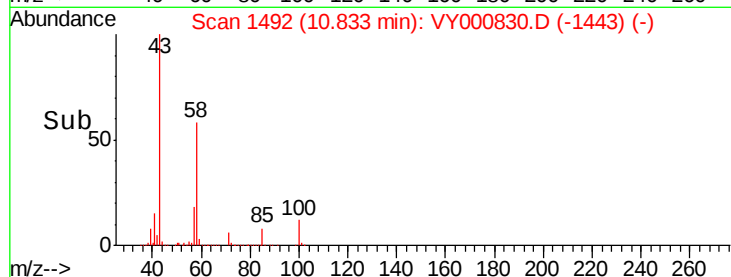
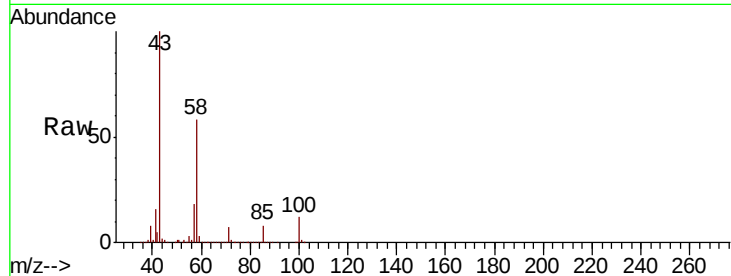
#59
2-Hexanone
Concen: 276.603 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	29.0	87.1

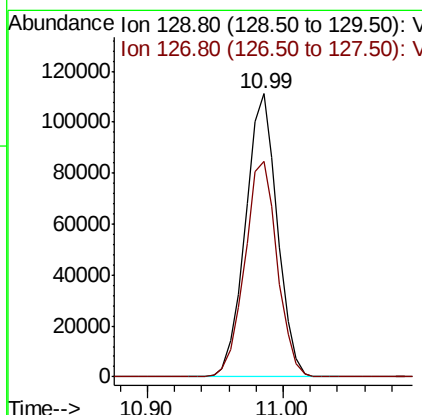
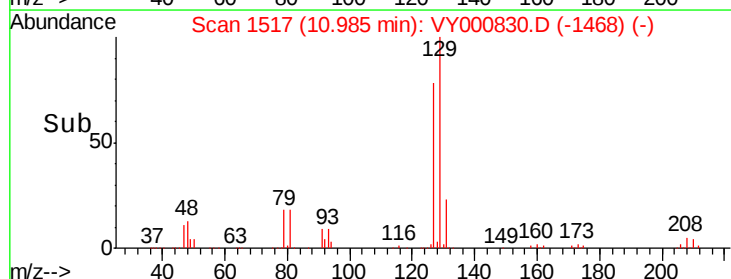
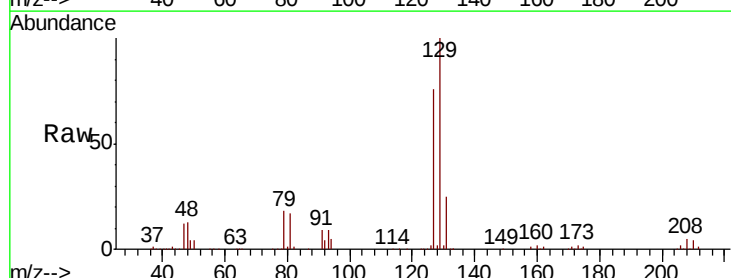
Manual Integrations
APPROVED

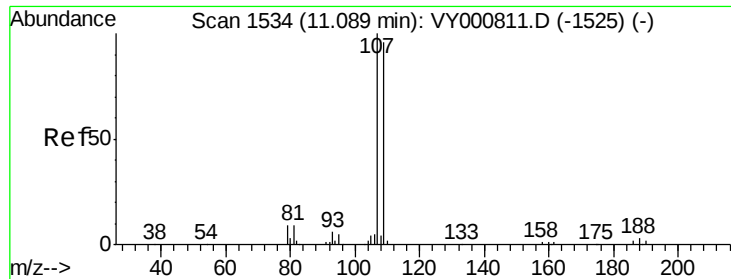
MMDadoda
12/2/2019 11:37:00 AM



#60
Dibromochloromethane
Concen: 54.655 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





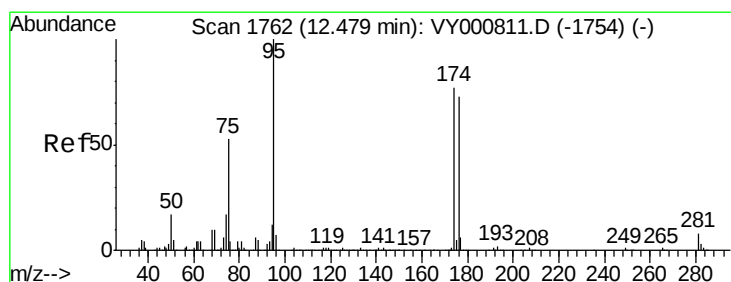
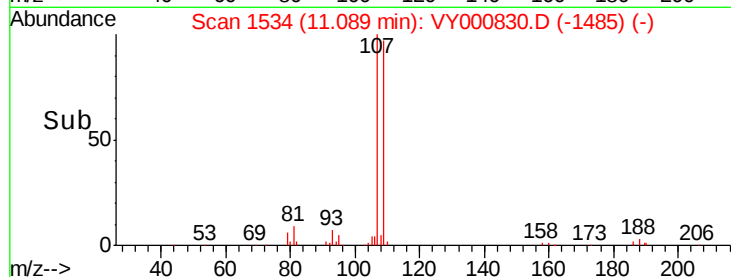
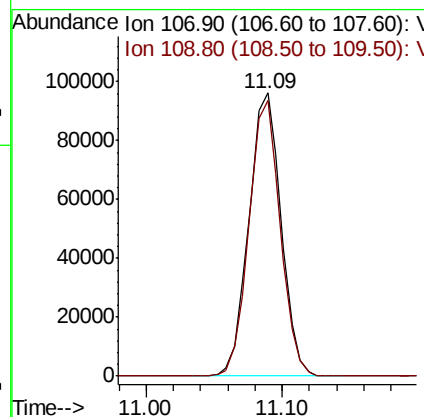
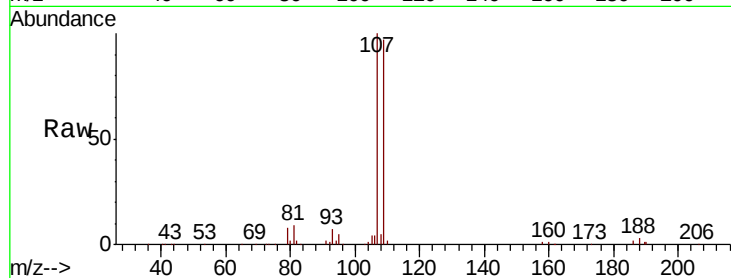
#61
 1,2-Dibromoethane
 Concen: 54.623 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.9	113.9

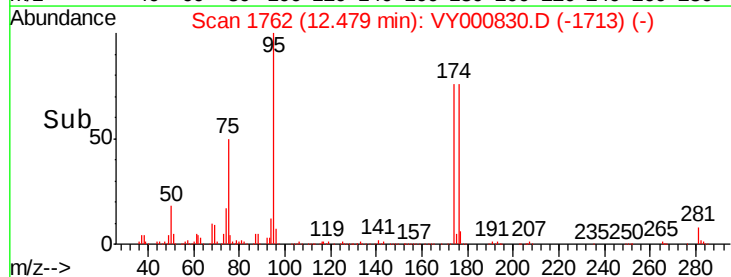
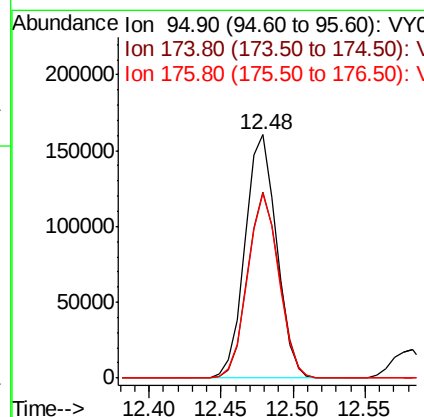
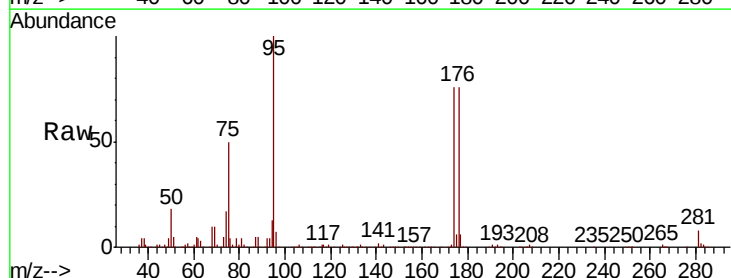
Manual Integrations
 APPROVED

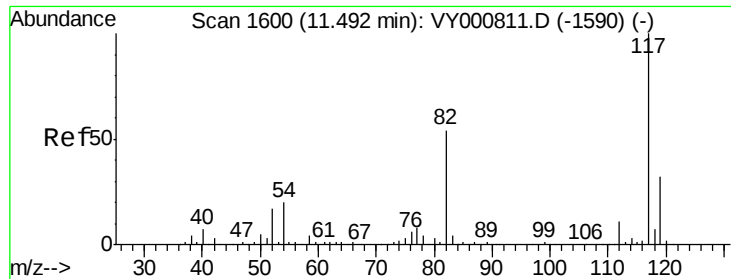
MMDadoda
 12/2/2019 11:37:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.488 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.6
176	74.8	0.0	145.2





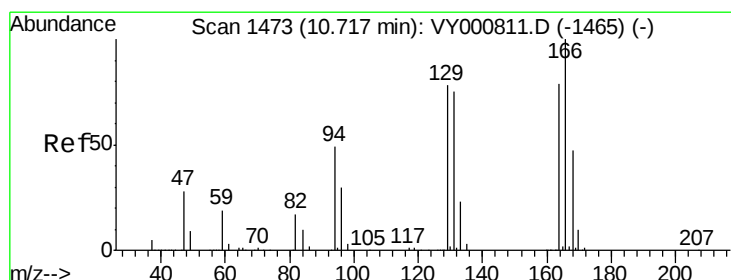
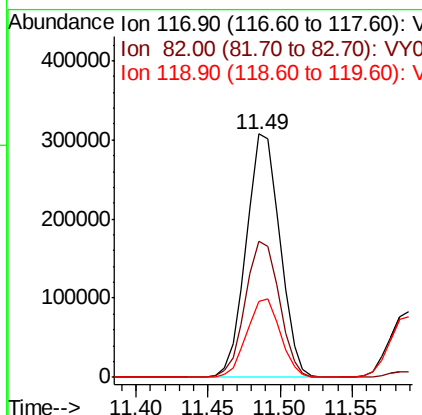
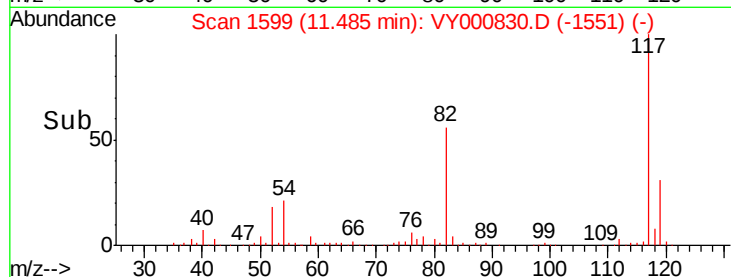
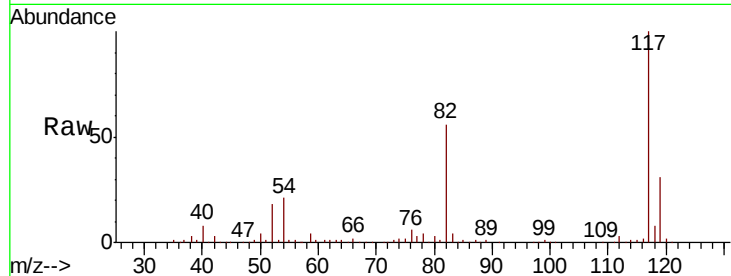
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.1	64.7
119	31.2	25.3	37.9

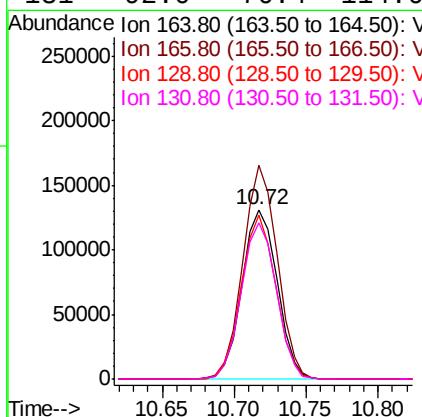
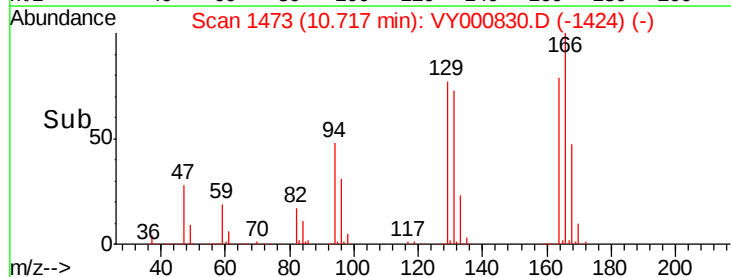
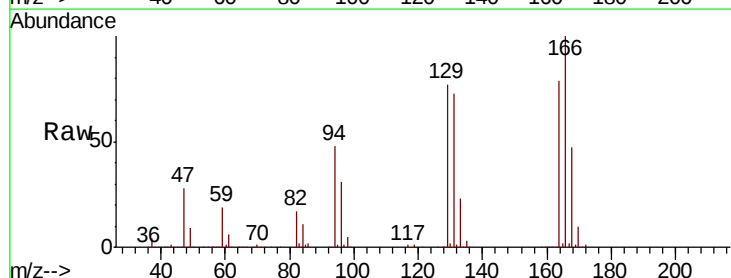
Manual Integrations
APPROVED

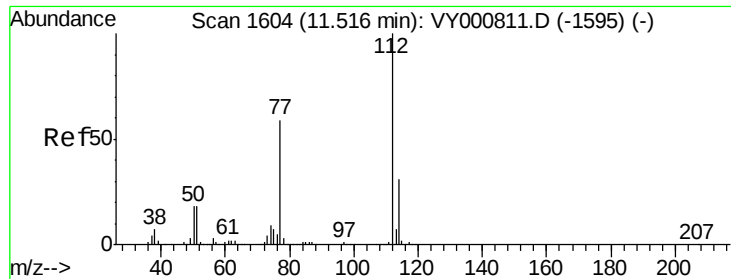
MMDadoda
12/2/2019 11:37:00 AM



#64
Tetrachloroethene
Concen: 50.978 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.8	152.8
129	97.1	79.3	118.9
131	92.0	76.4	114.6





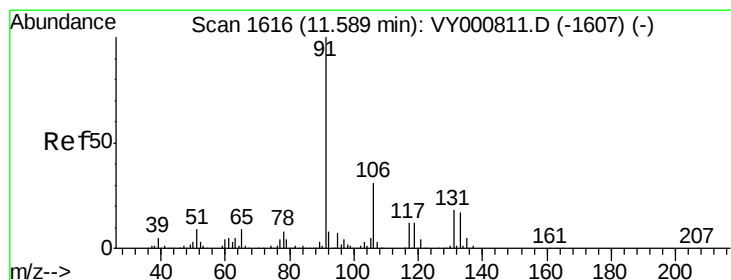
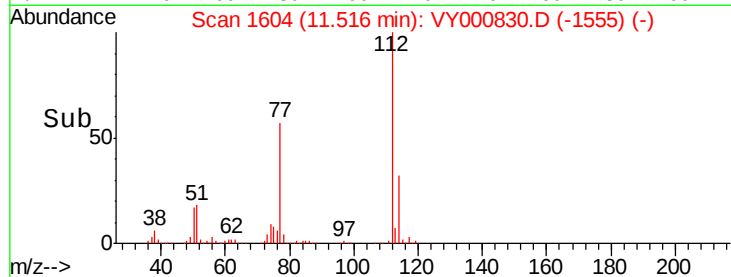
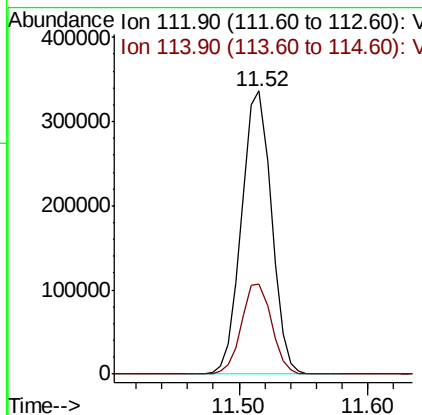
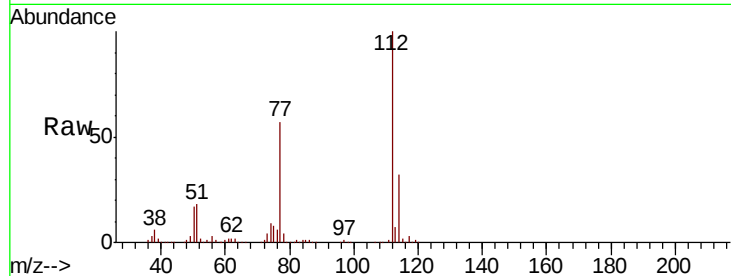
#65
Chlorobenzene
Concen: 52.034 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

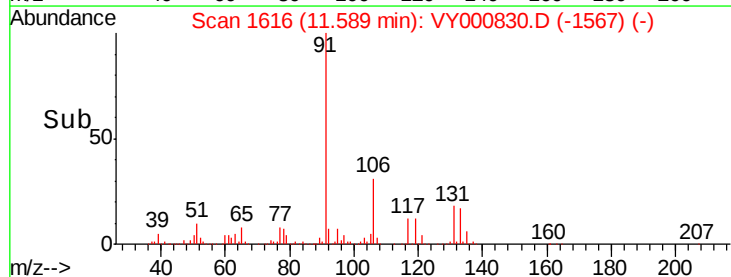
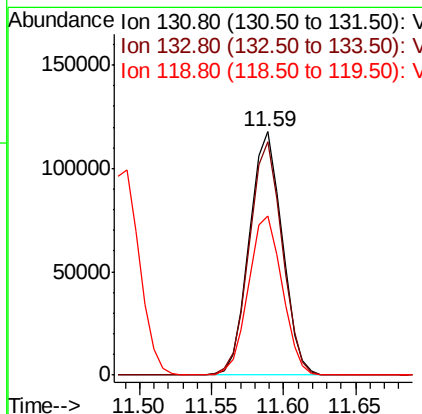
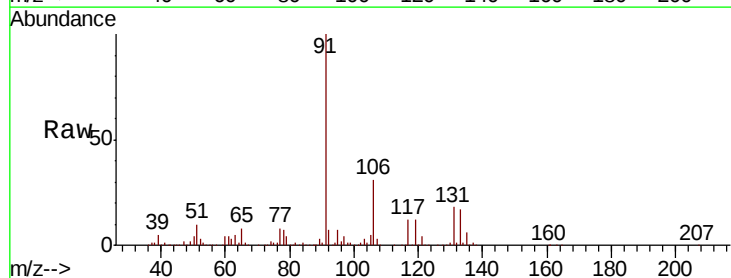
Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.170 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.4	142.2
119	67.2	33.8	101.3





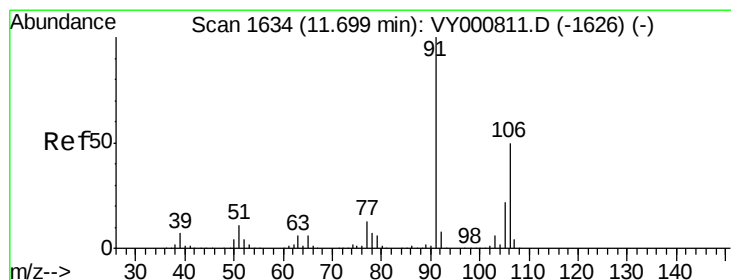
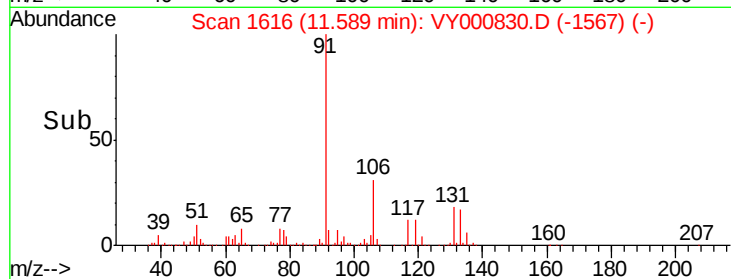
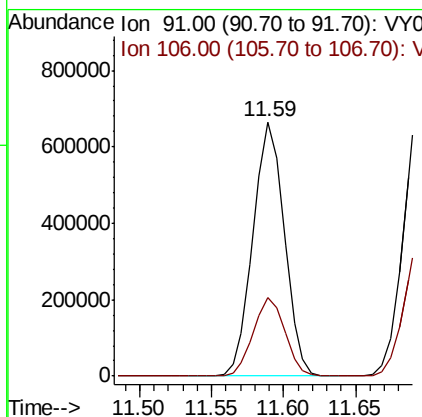
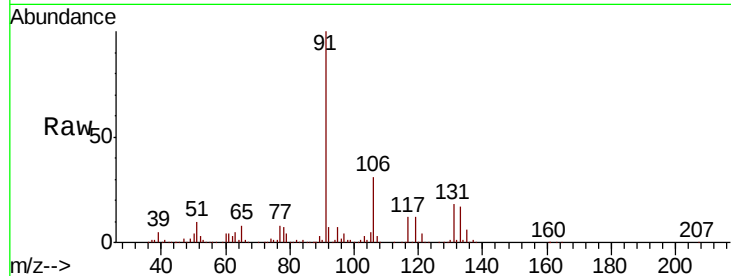
#67
Ethyl Benzene
Concen: 51.839 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 999793
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

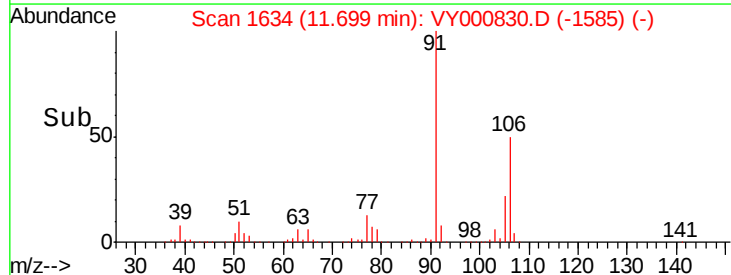
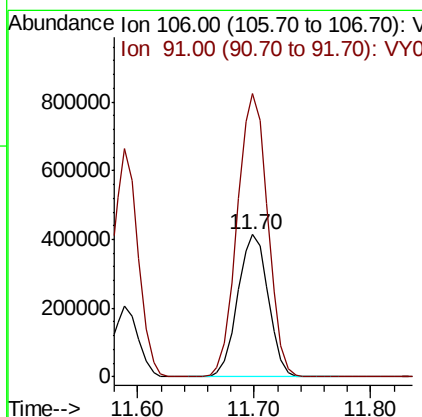
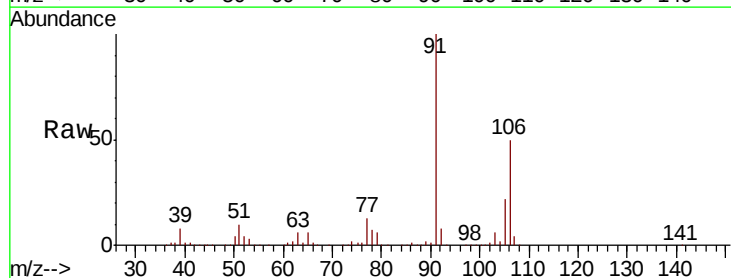
Manual Integrations
APPROVED

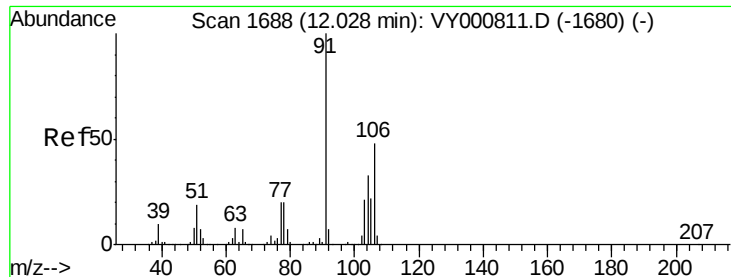
MMDadoda
12/2/2019 11:37:00 AM



#68
m/p-Xylenes
Concen: 104.553 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion: 106 Resp: 756859
Ion Ratio Lower Upper
106 100
91 198.6 159.6 239.4





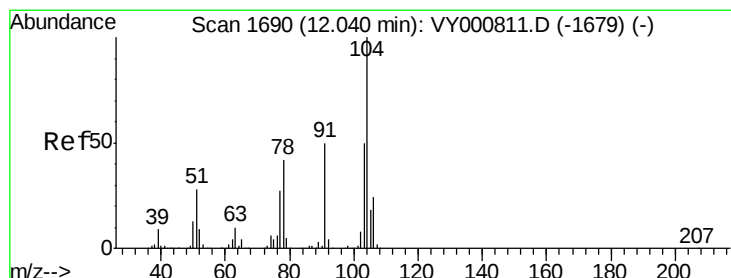
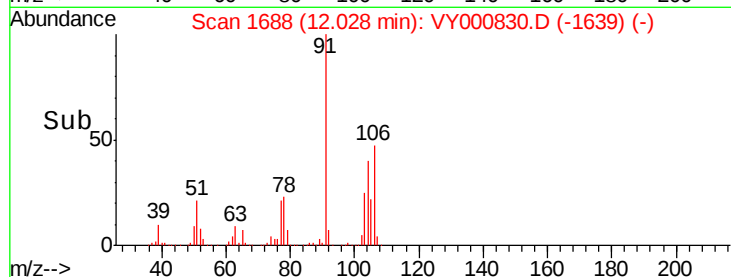
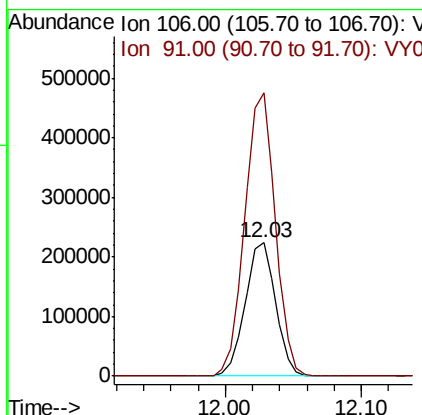
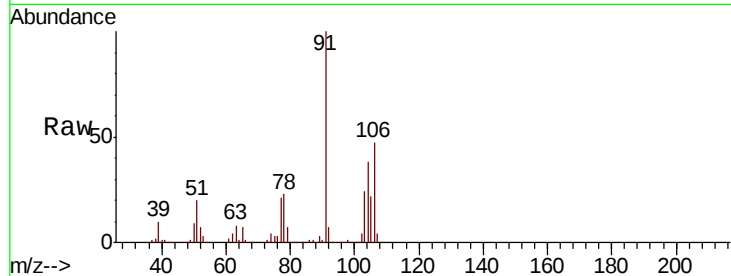
#69
o-Xylene
Concen: 52.284 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.4	106.1	318.1

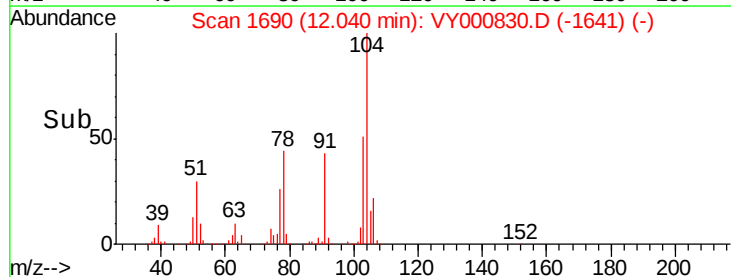
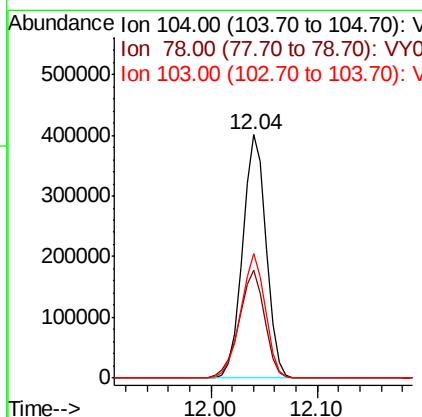
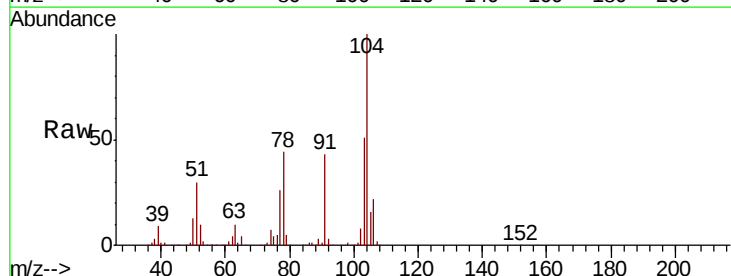
Manual Integrations
APPROVED

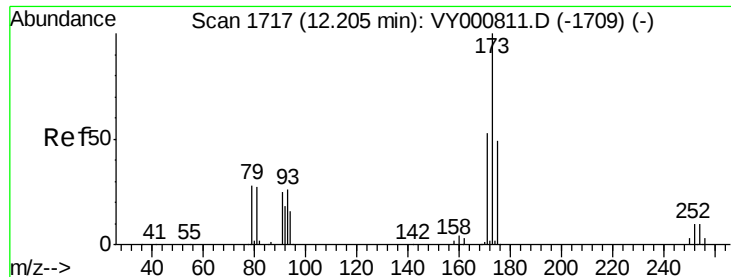
MMDadoda
12/2/2019 11:37:00 AM



#70
Styrene
Concen: 53.745 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	53.7	43.4	65.0





#71

Bromoform

Concen: 54.695 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 107656

Ion Ratio Lower Upper

173 100

175 48.8 24.5 73.5

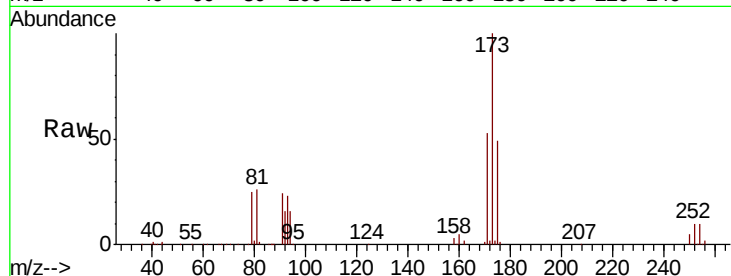
254 0.1 0.0 0.0#

Manual Integrations

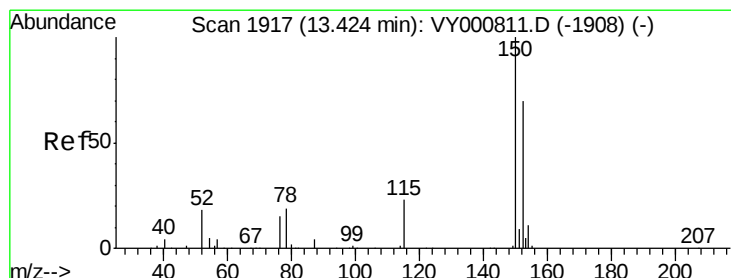
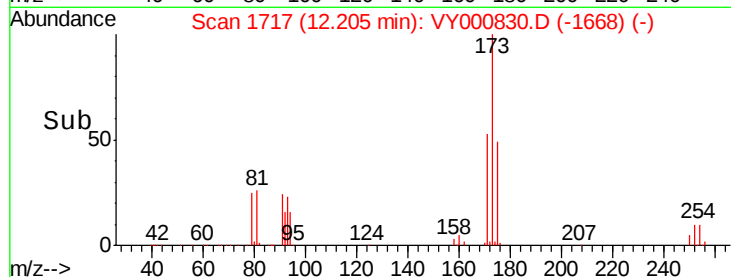
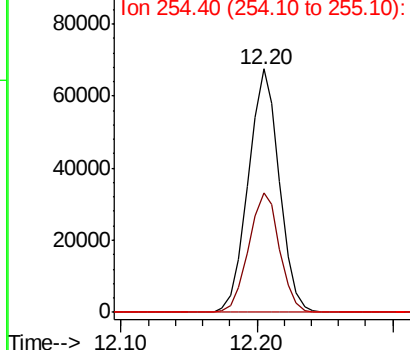
APPROVED

MMDadoda

12/2/2019 11:37:00 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

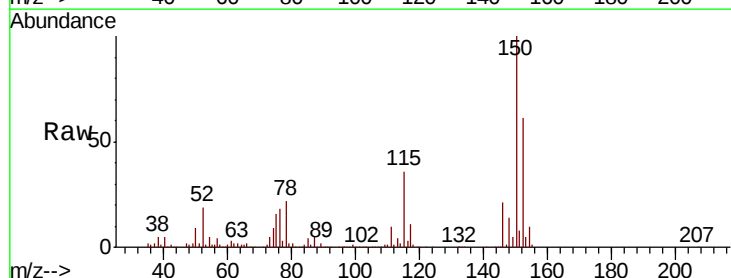
Tgt Ion:152 Resp: 236516

Ion Ratio Lower Upper

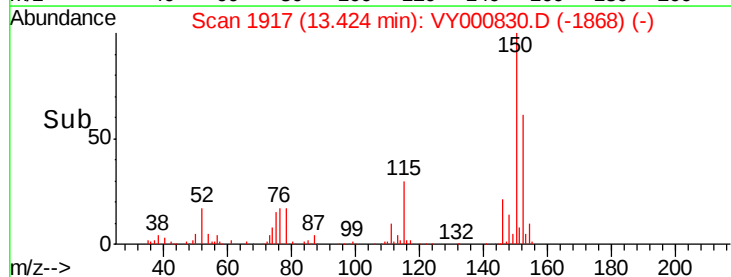
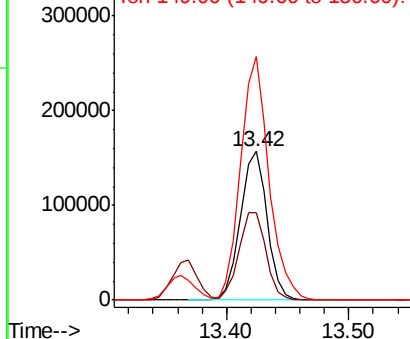
152 100

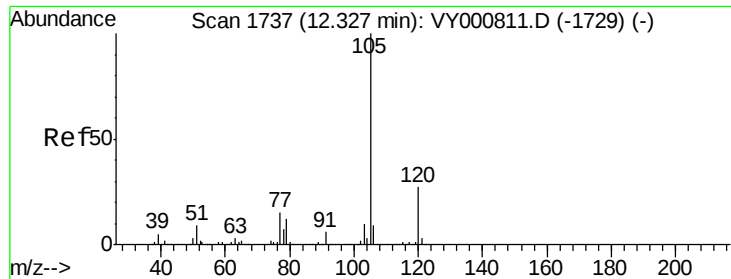
115 59.7 29.3 87.8

150 174.5 0.0 351.2



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





#73

Isopropylbenzene

Concen: 50.739 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 955508

Ion Ratio Lower Upper

105 100

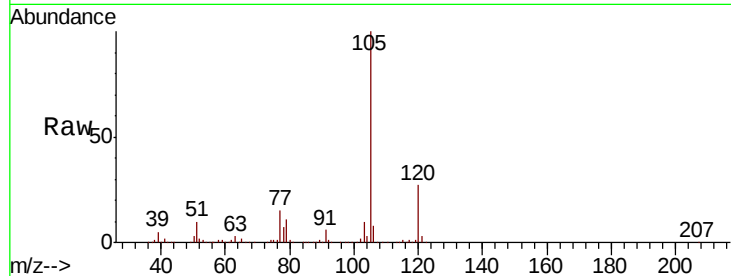
120 26.5 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

600000

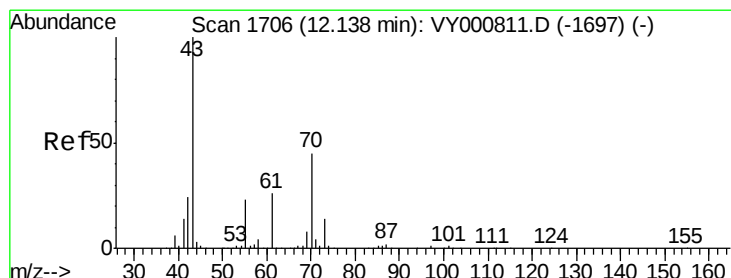
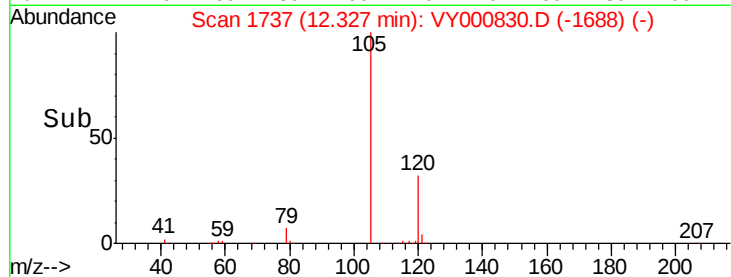
400000

200000

0

Time-->

12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 54.616 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion: 43 Resp: 286276

Ion Ratio Lower Upper

43 100

70 45.0 36.6 54.8

55 23.7 18.8 28.2

61 26.4 21.0 31.6

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

300000

250000

200000

150000

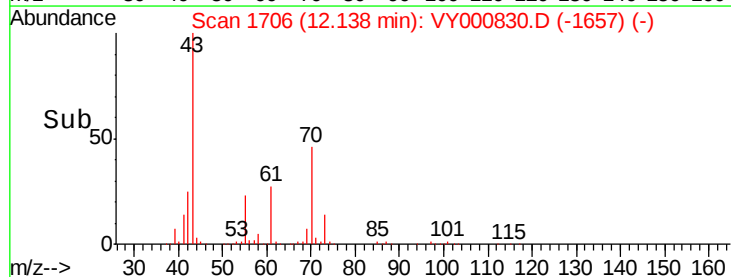
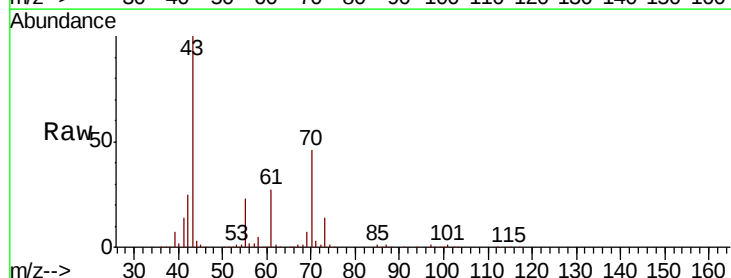
100000

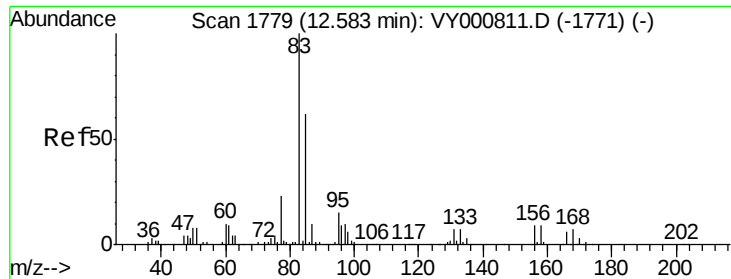
50000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 53.224 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

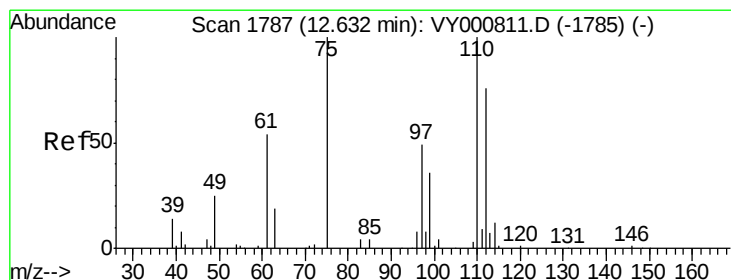
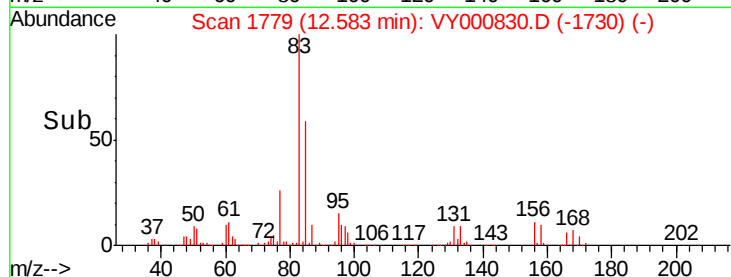
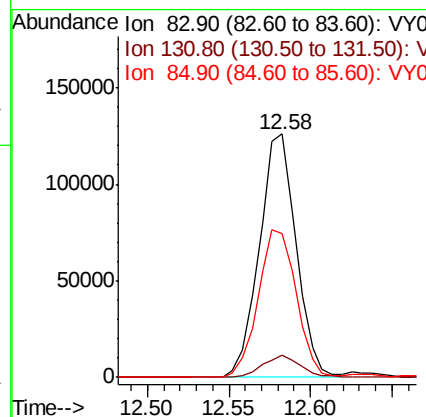
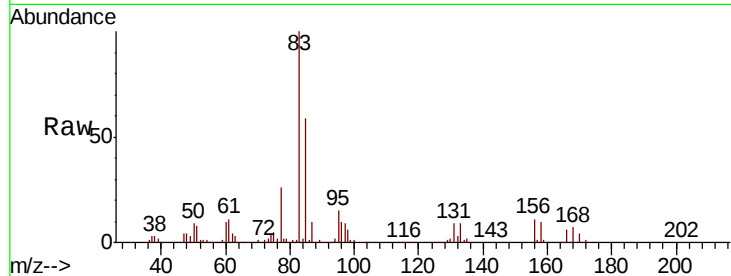
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	197493
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.3	13.1
85	62.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#76

1,2,3-Trichloropropane

Concen: 51.573 ug/l m

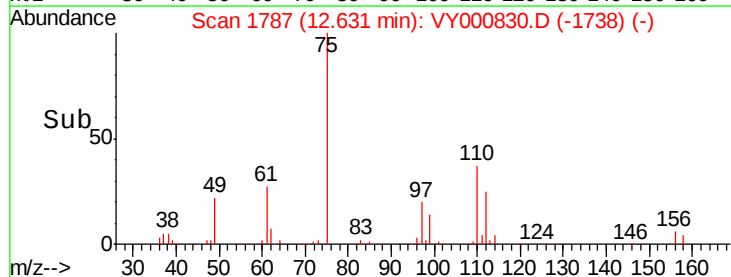
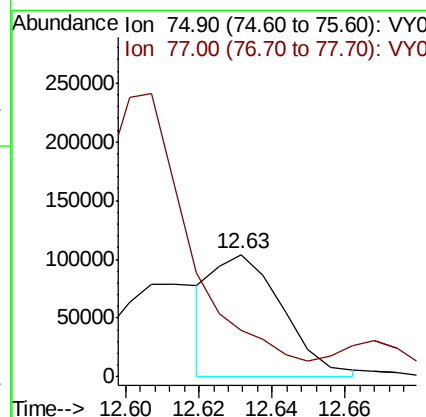
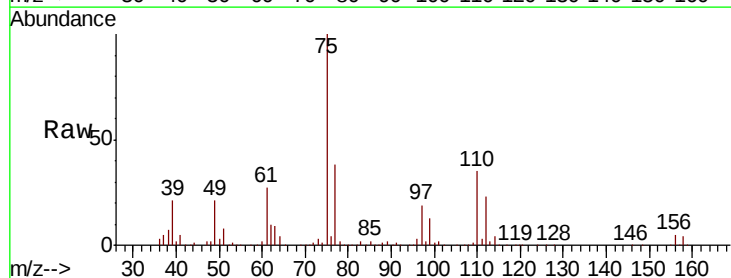
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	75	Resp:	138201
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





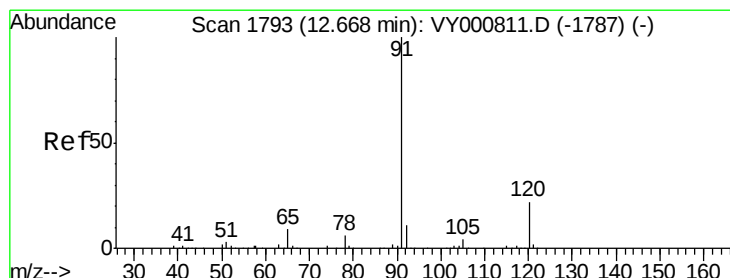
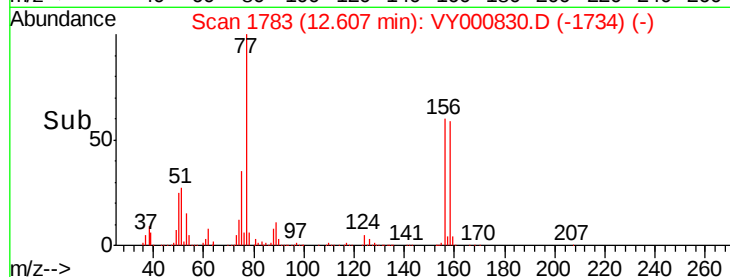
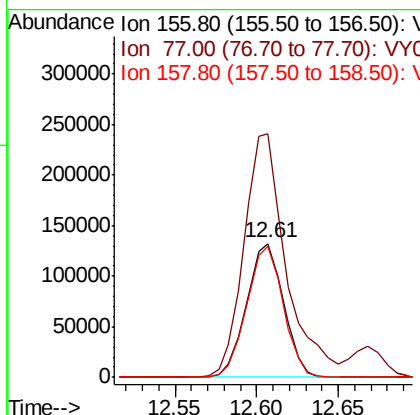
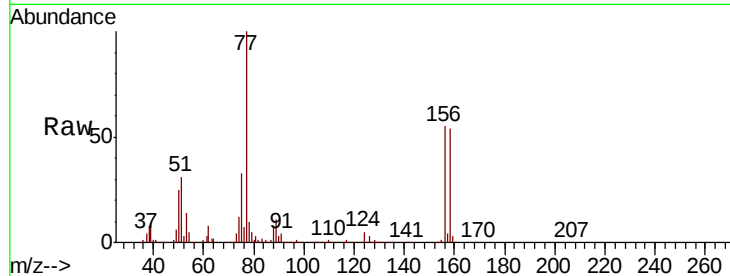
#77
Bromobenzene
Concen: 51.394 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.0	102.6	307.7	
158	96.6	47.6	142.8	

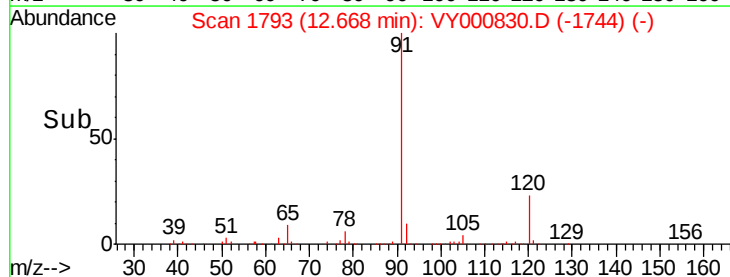
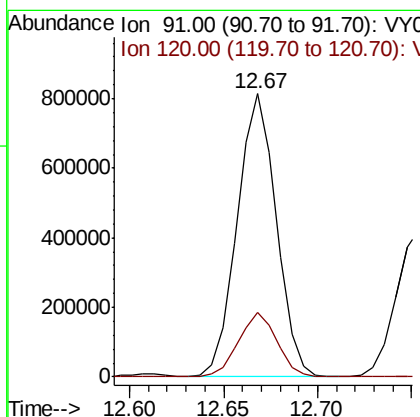
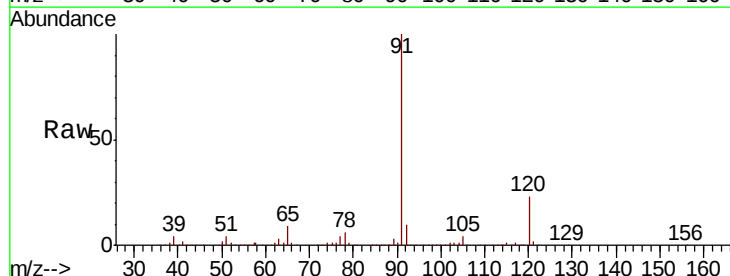
Manual Integrations
APPROVED

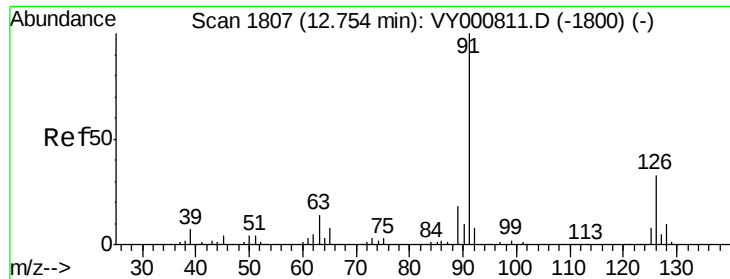
MMDadoda
12/2/2019 11:37:00 AM



#78
n-propylbenzene
Concen: 50.988 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.2	33.5	





#79

2-Chlorotoluene

Concen: 50.320 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 639223

Ion Ratio Lower Upper

91 100

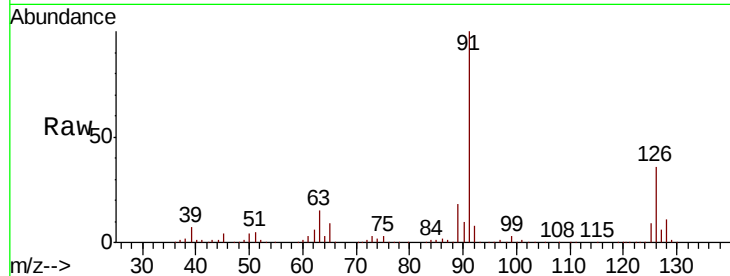
126 34.5 17.0 51.0

Manual Integrations

APPROVED

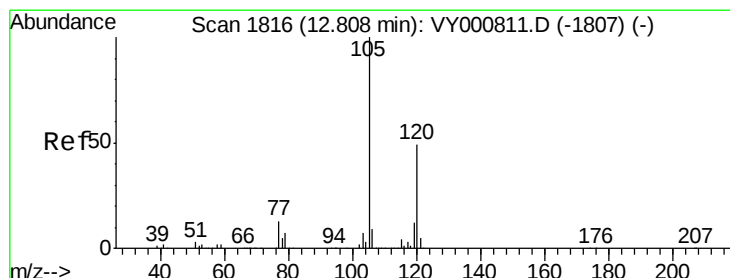
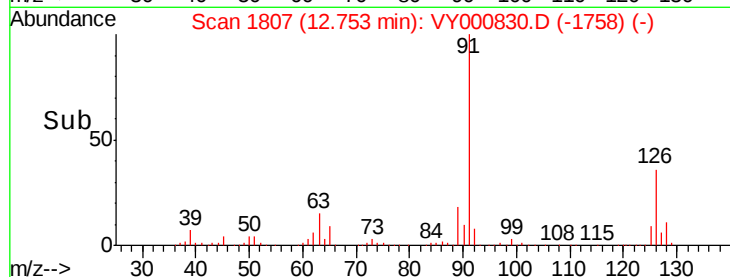
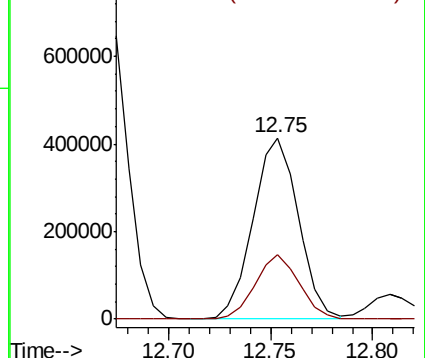
MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000811.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.206 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000830.D

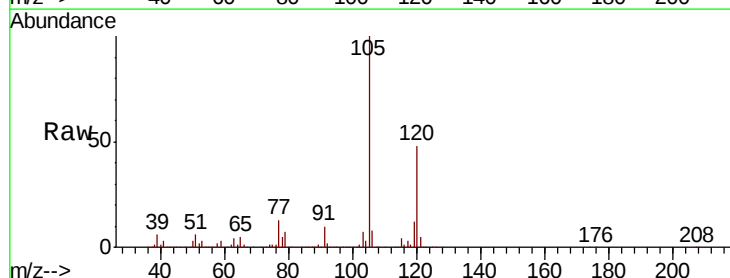
Acq: 27 Nov 2019 19:21

Tgt Ion: 105 Resp: 798423

Ion Ratio Lower Upper

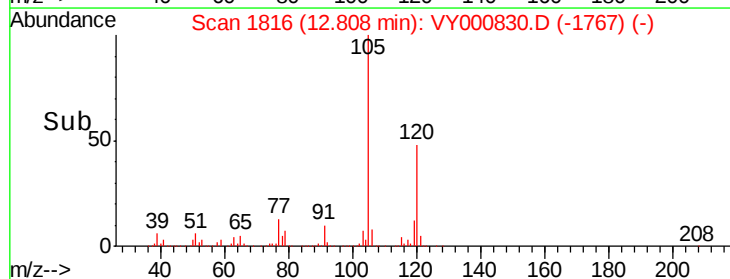
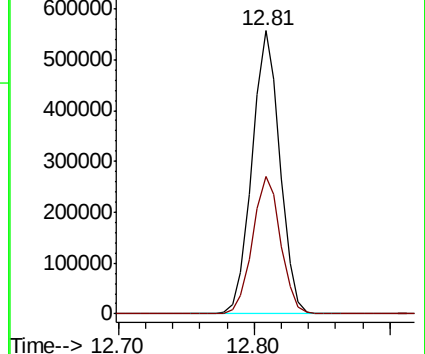
105 100

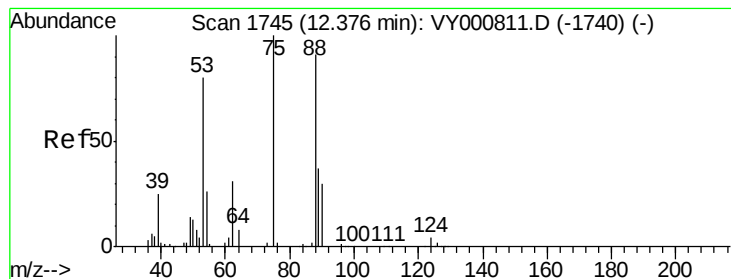
120 49.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000811.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY000811.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.766 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 73348

Ion Ratio Lower Upper

75 100

53 82.9 64.6 96.8

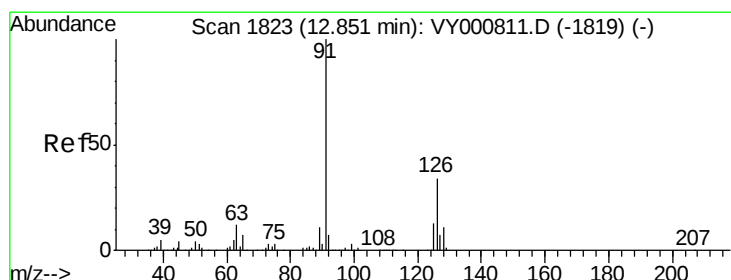
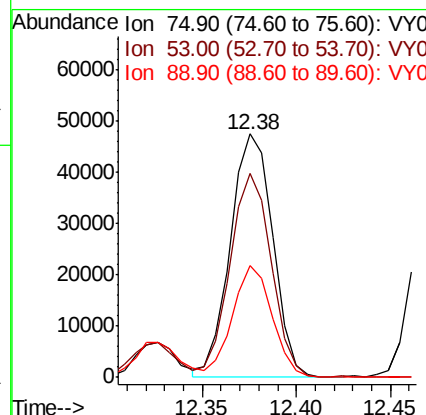
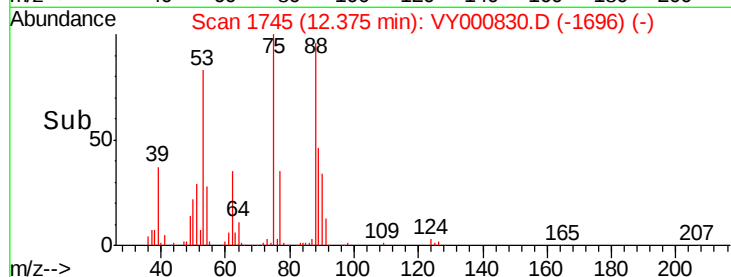
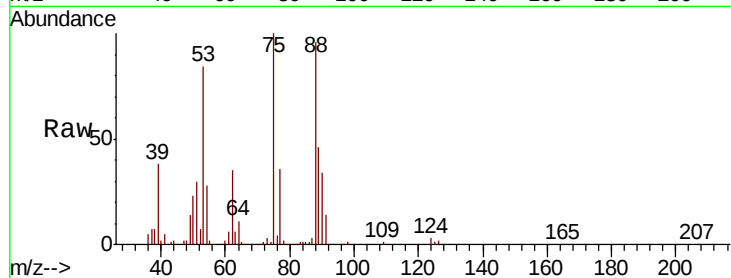
89 43.6 33.6 50.4

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



#82

4-Chlorotoluene

Concen: 51.093 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000830.D

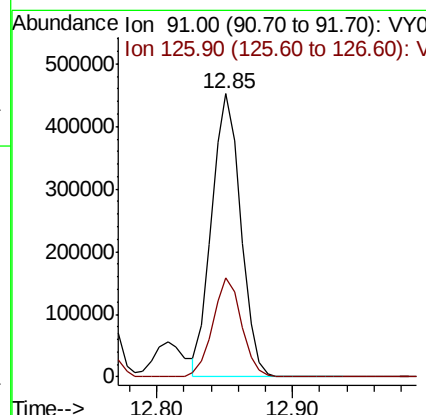
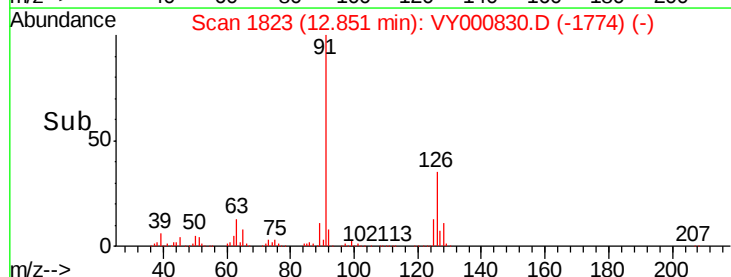
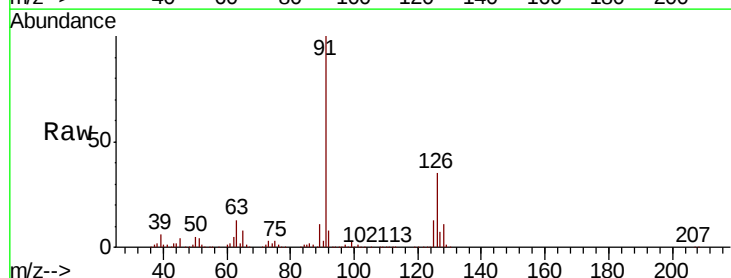
Acq: 27 Nov 2019 19:21

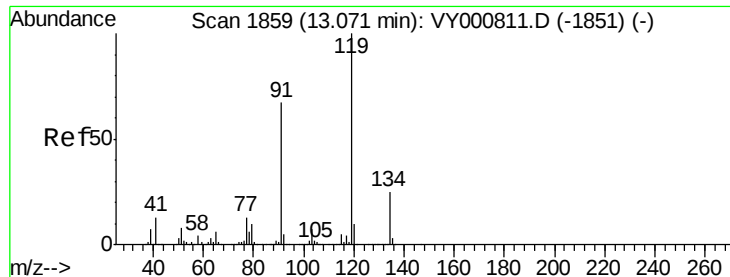
Tgt Ion: 91 Resp: 668684

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.9





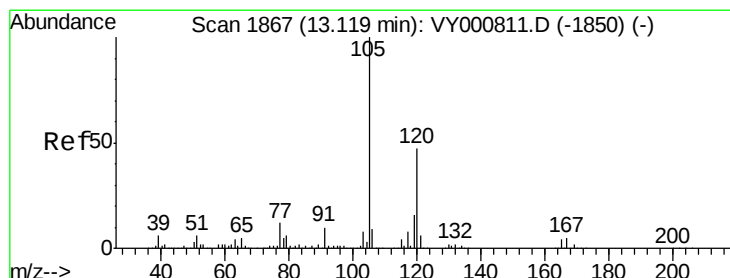
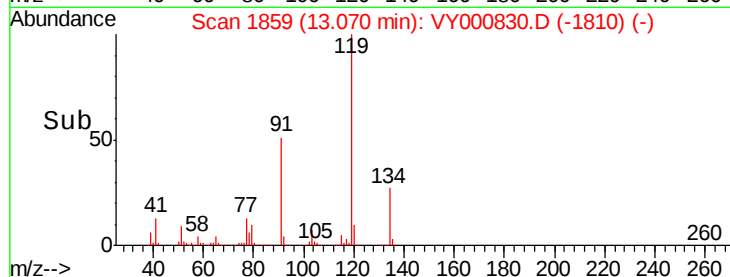
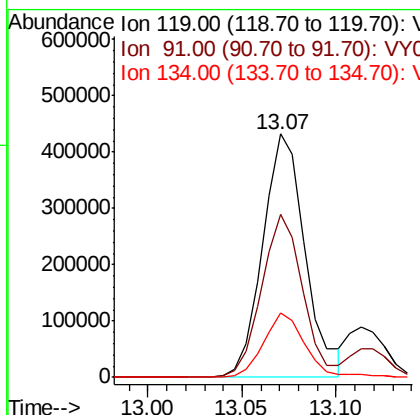
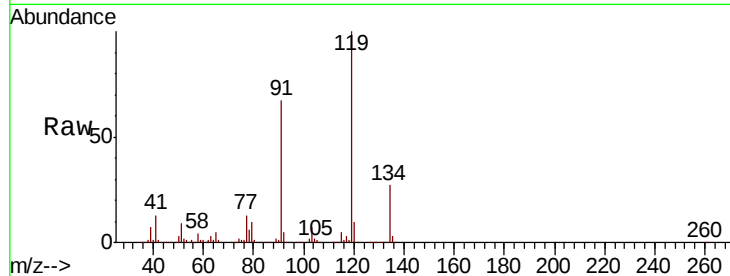
#83
tert-Butylbenzene
Concen: 51.481 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.3	96.8
134	26.0	12.9	38.7

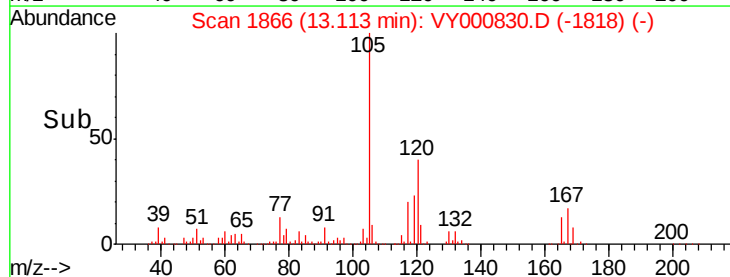
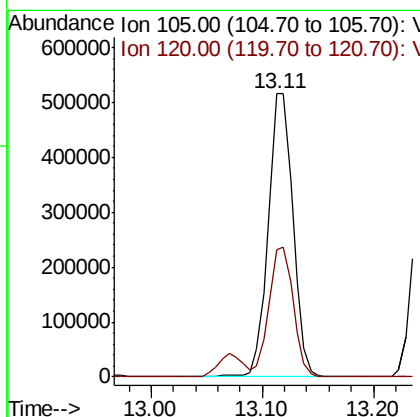
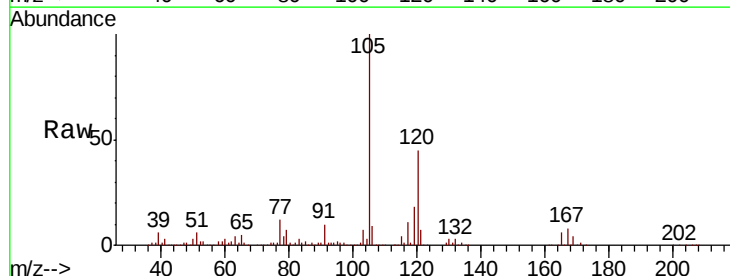
Manual Integrations
APPROVED

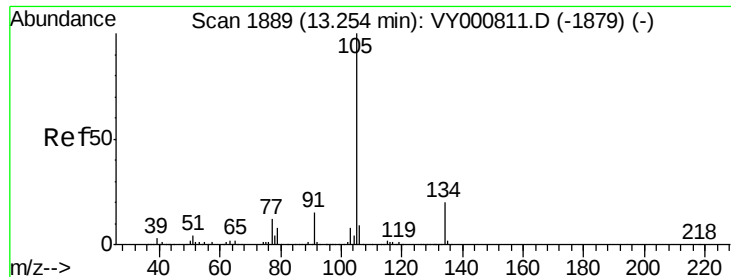
MMDadoda
12/2/2019 11:37:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.510 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.345 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 978910

Ion Ratio Lower Upper

105 100

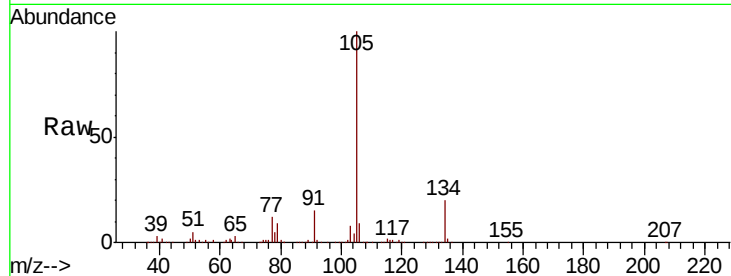
134 19.6 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

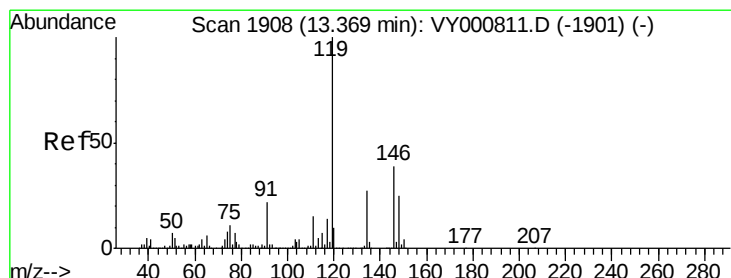
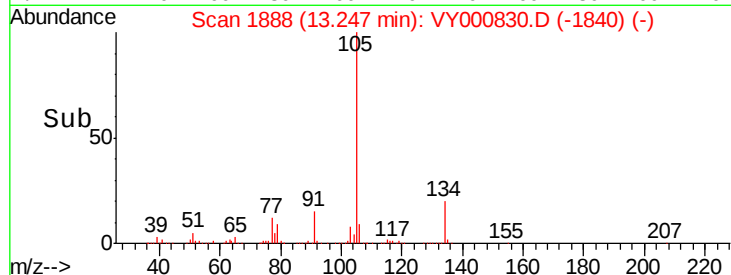
600000

400000

200000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 51.280 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000830.D

Acq: 27 Nov 2019 19:21

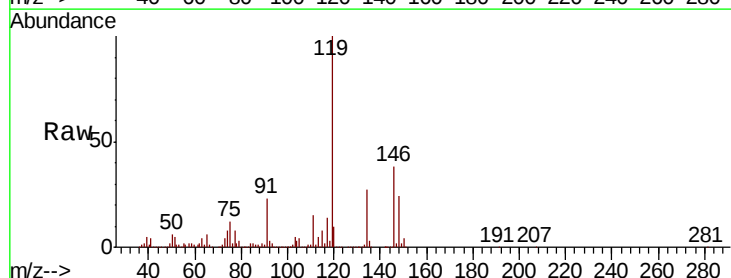
Tgt Ion:119 Resp: 850353

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.7 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

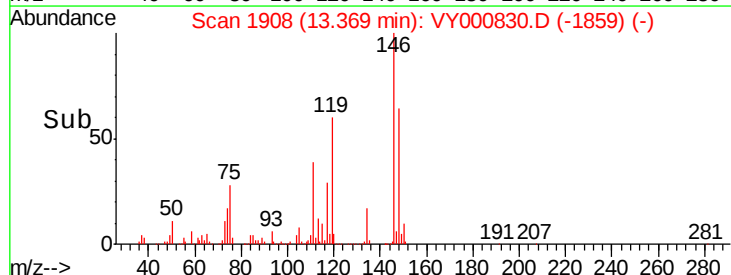
600000

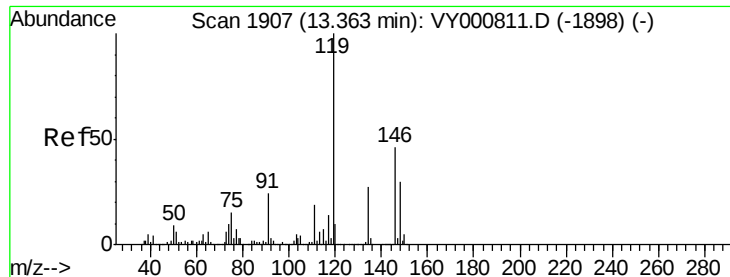
400000

200000

0

Time--> 13.30 13.35 13.40





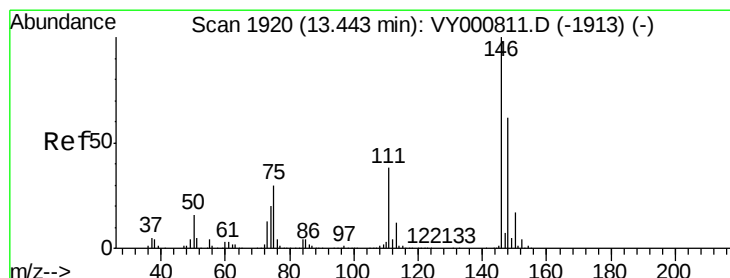
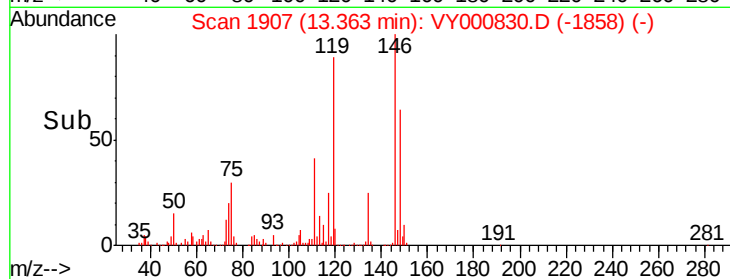
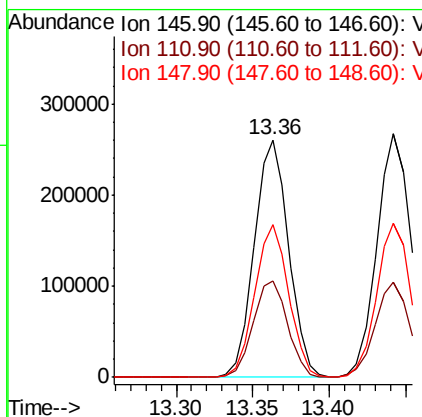
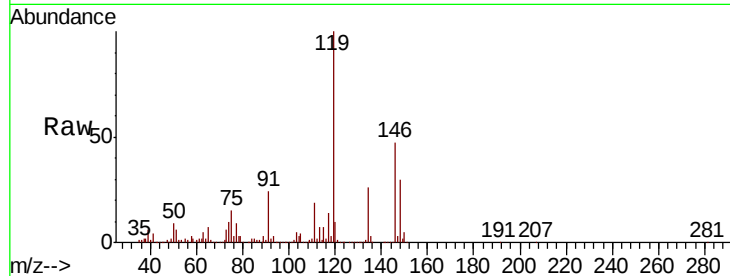
#87
 1,3-Dichlorobenzene
 Concen: 50.876 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.7	20.0	60.0	
148	63.4	32.1	96.5	

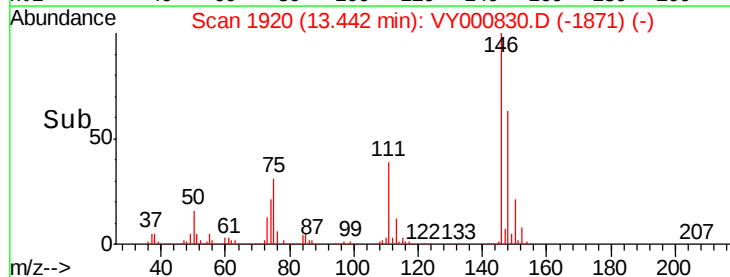
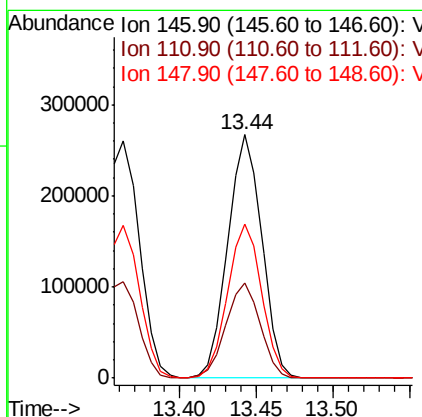
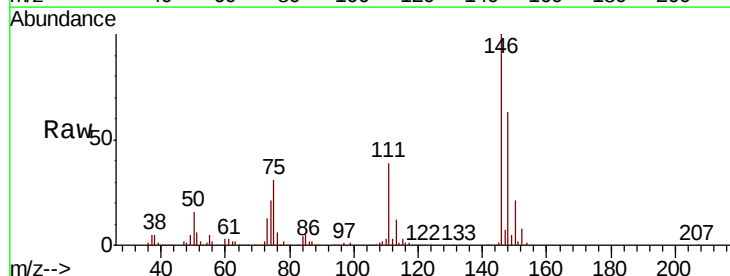
Manual Integrations
 APPROVED

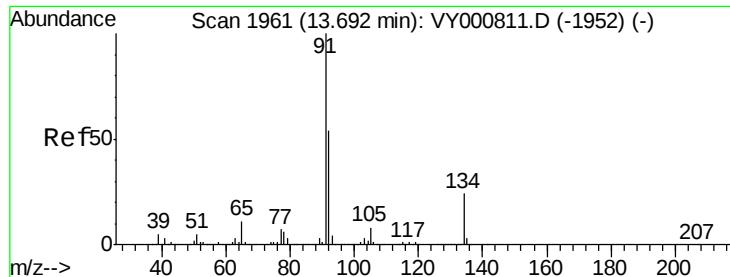
MMDadoda
 12/2/2019 11:37:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.950 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.6	20.0	59.9	
148	63.1	31.7	95.1	





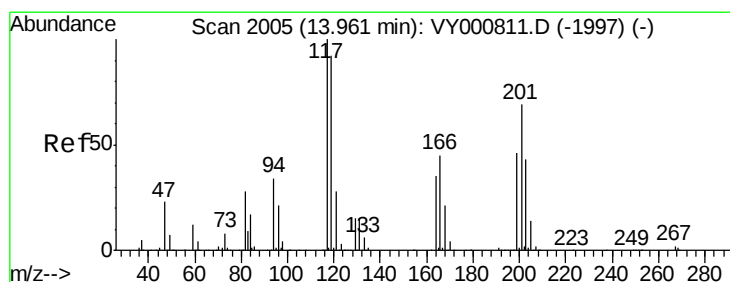
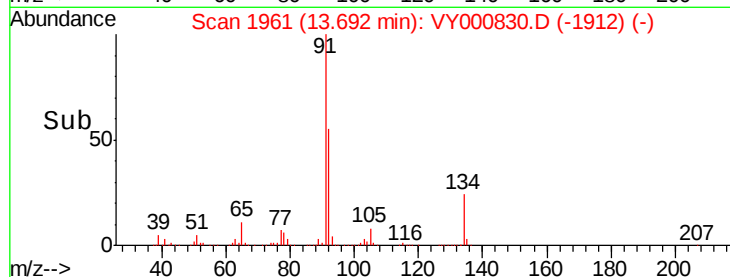
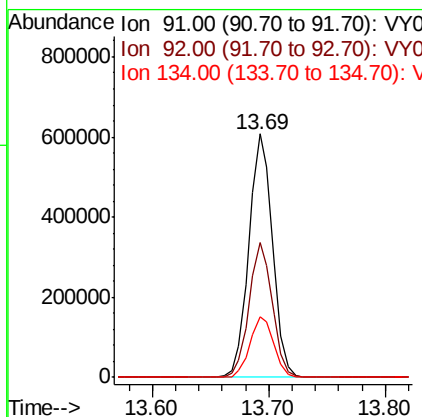
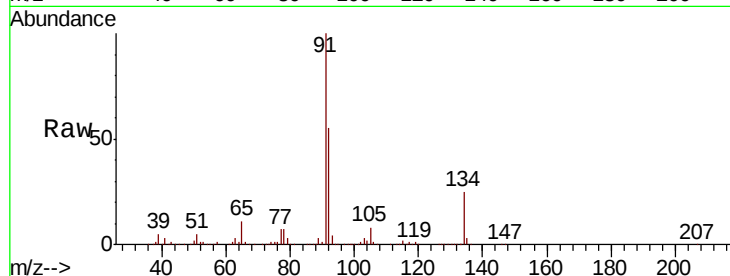
#89
n-Butylbenzene
Concen: 51.138 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.7
134	25.2	12.6	37.6

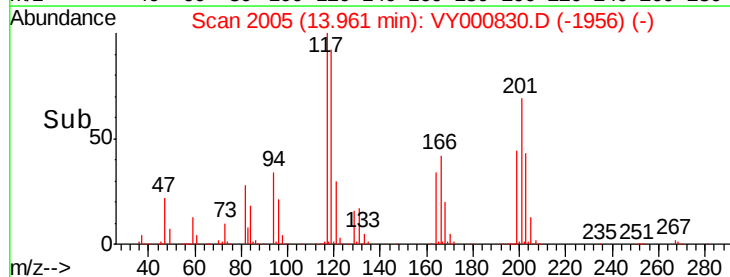
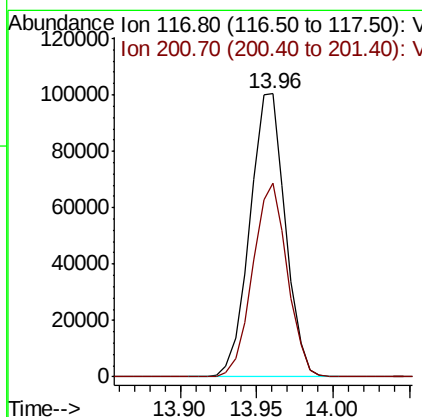
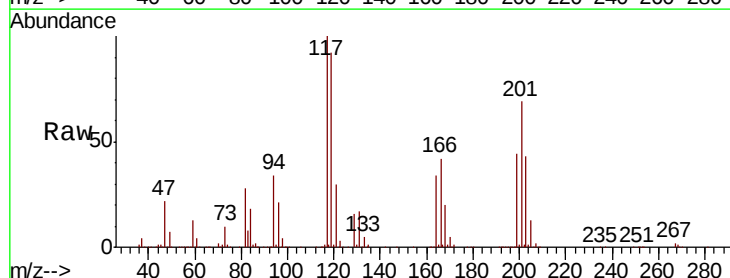
Manual Integrations
APPROVED

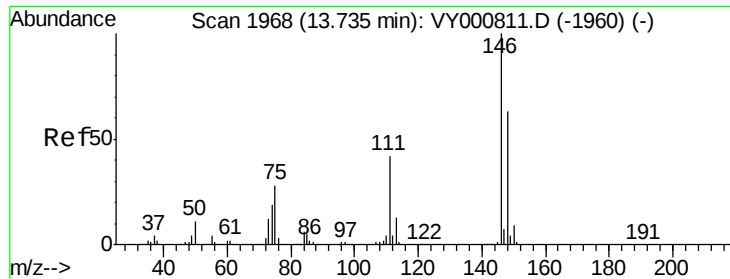
MMDadoda
12/2/2019 11:37:00 AM



#90
Hexachloroethane
Concen: 53.041 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.0	102.0





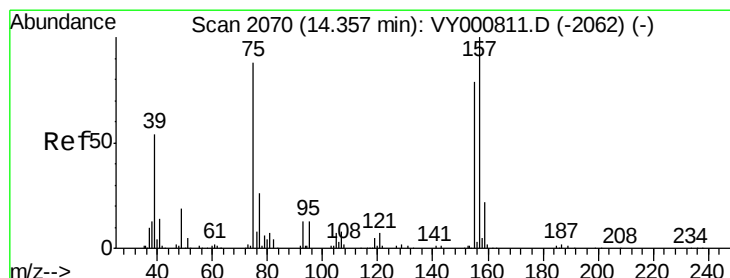
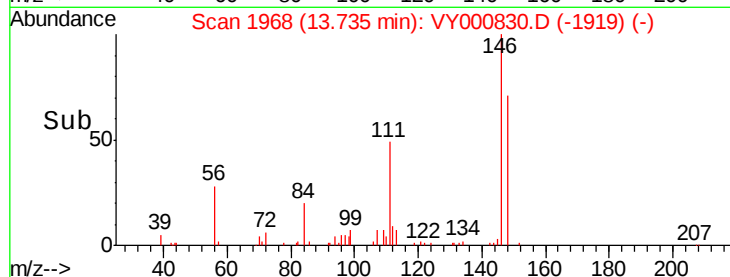
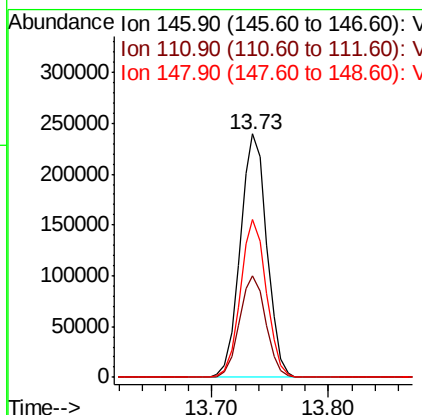
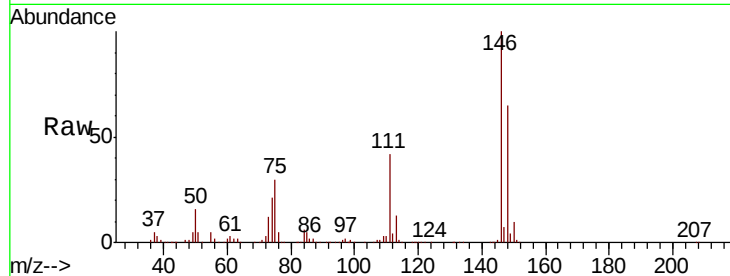
#91
 1,2-Dichlorobenzene
 Concen: 52.810 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.7
148	63.4	32.1	96.3

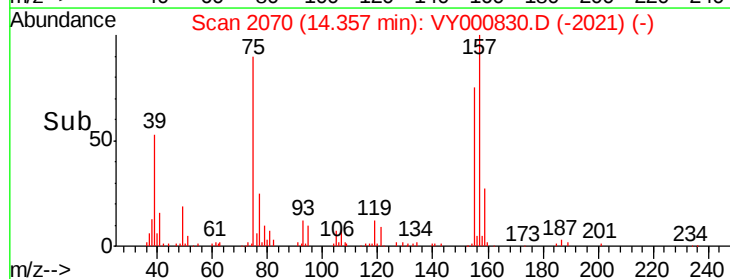
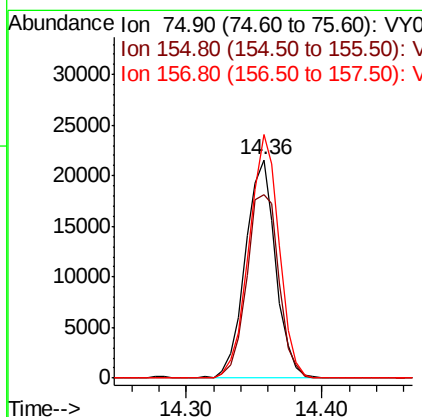
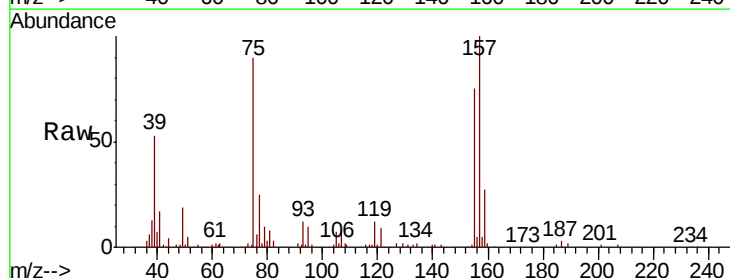
Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.226 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	44.3	132.9
157	111.0	56.3	168.9





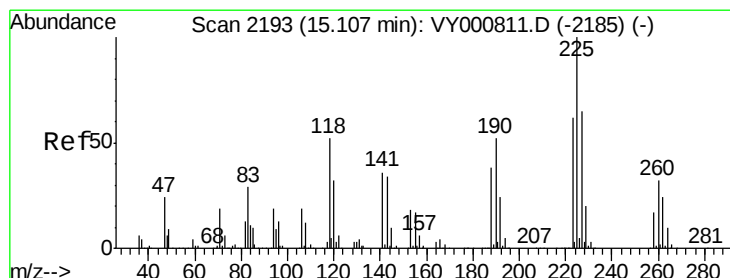
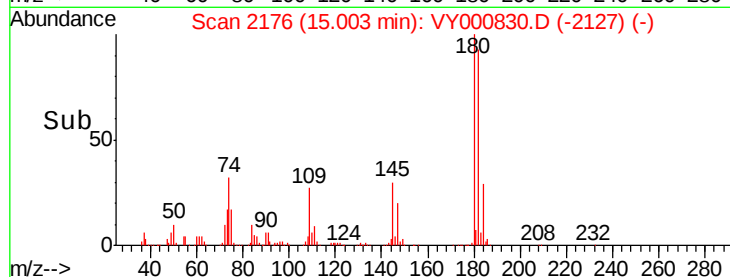
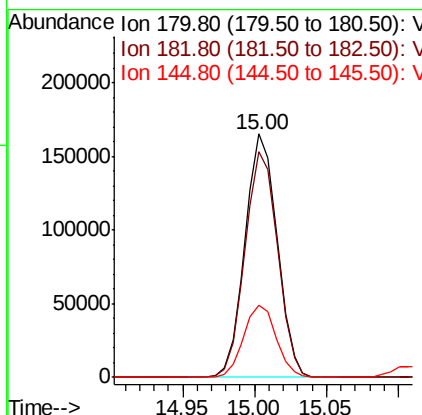
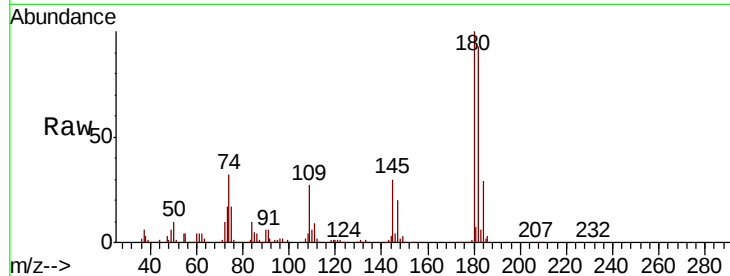
#93
 1,2,4-Trichlorobenzene
 Concen: 52.412 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	255462		
182	93.8	47.3	141.9	
145	30.0	16.0	47.9	

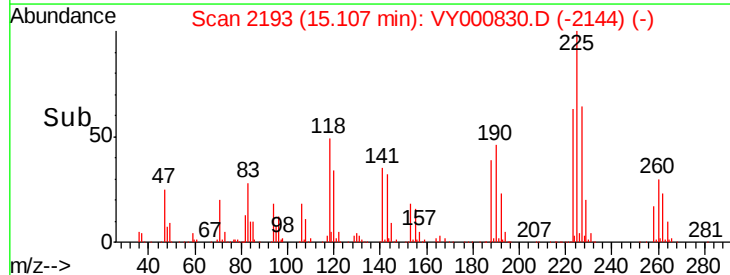
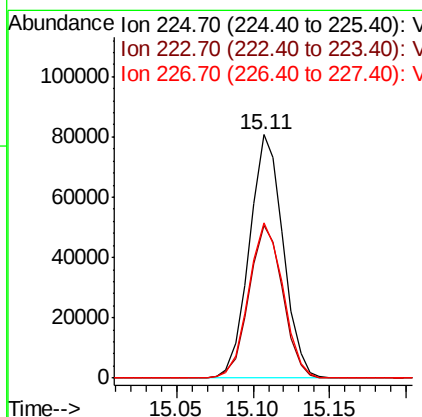
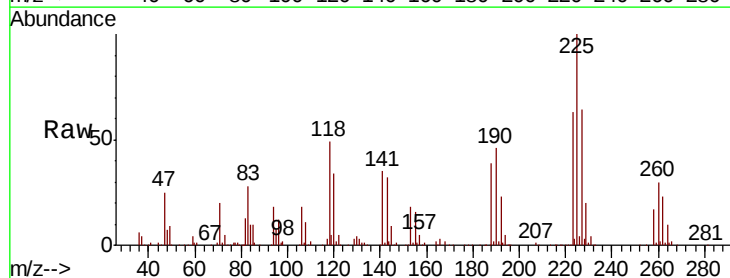
Manual Integrations
 APPROVED

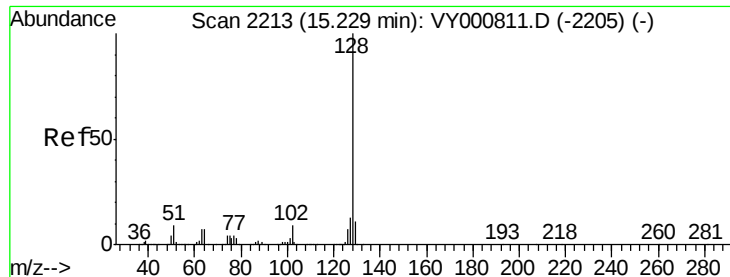
MMDadoda
 12/2/2019 11:37:00 AM



#94
 Hexachlorobutadiene
 Concen: 51.239 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000830.D
 Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123822		
223	62.6	31.4	94.3	
227	64.8	31.8	95.3	





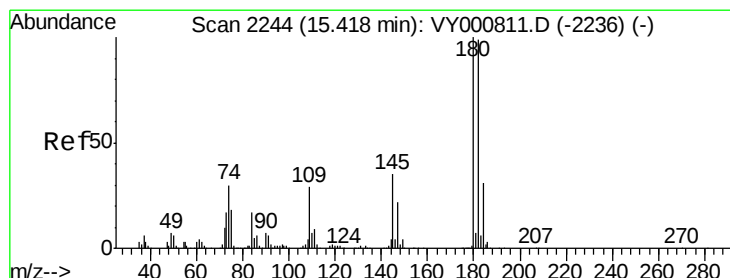
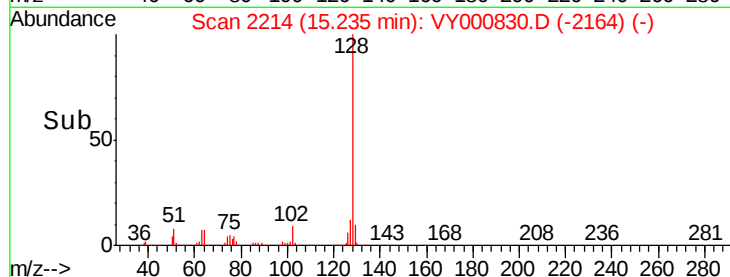
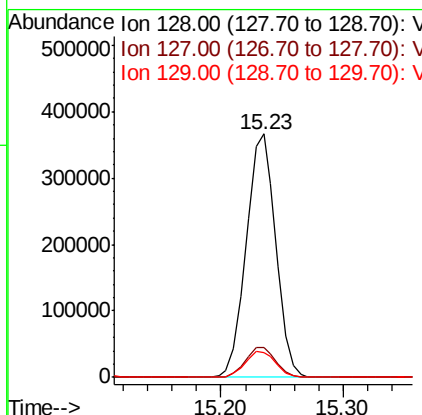
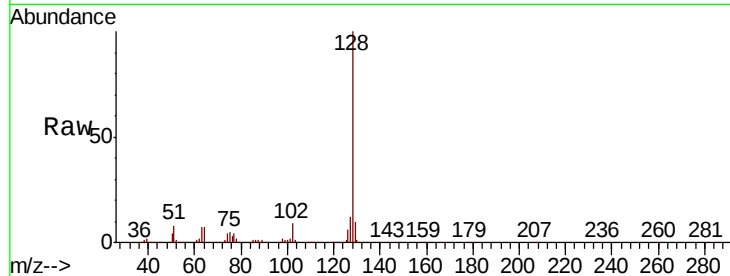
#95
Naphthalene
Concen: 54.334 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.198 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000830.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.0
145	32.5	16.9	50.6

