

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001845.D
 Acq On : 04 Mar 2020 11:33
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:09 PM

Quant Time: Mar 04 17:36:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	180399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	325479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	289609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	137104	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	92645	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.75	113	87009	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.19	98	368057	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.49	95	127654	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	80358	49.019	ug/l	100
3) Chloromethane	2.13	50	110035	50.227	ug/l	100
4) Vinyl Chloride	2.27	62	116661	52.191	ug/l	100
5) Bromomethane	2.66	94	74400	50.800	ug/l	100
6) Chloroethane	2.81	64	72747	51.372	ug/l	100
7) Trichlorofluoromethane	3.15	101	153931	50.017	ug/l	100
8) Diethyl Ether	3.55	74	61764	51.623	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	98718	50.507	ug/l	100
10) Methyl Iodide	4.12	142	126505	55.768	ug/l	100
11) Tert butyl alcohol	4.99	59	51876	234.275	ug/l	100
12) 1,1-Dichloroethene	3.90	96	102032	51.722	ug/l	100
13) Acrolein	3.75	56	62398	232.601	ug/l	100
14) Allyl chloride	4.51	41	182225	51.642	ug/l	100
15) Acrylonitrile	5.20	53	167006	261.302	ug/l	100
16) Acetone	3.97	43	143808	262.129	ug/l	100
17) Carbon Disulfide	4.22	76	342788	51.892	ug/l	100
18) Methyl Acetate	4.51	43	73229	52.103	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	278152	52.048	ug/l	100
20) Methylene Chloride	4.75	84	114836	48.308	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	115375	51.713	ug/l	100
22) Diisopropyl ether	6.15	45	370805	52.072	ug/l	100
23) Vinyl Acetate	6.10	43	1235851	264.245	ug/l	100
24) 1,1-Dichloroethane	6.05	63	200299	52.004	ug/l	100
25) 2-Butanone	7.02	43	220322	260.722	ug/l	100
26) 2,2-Dichloropropane	7.02	77	162194	50.652	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	127018	52.424	ug/l	100
28) Bromochloromethane	7.36	49	91202	51.741	ug/l	100
29) Tetrahydrofuran	7.38	42	143632	258.188	ug/l	100
30) Chloroform	7.53	83	189271	51.837	ug/l	100
31) Cyclohexane	7.81	56	205190	49.419	ug/l	100
32) 1,1,1-Trichloroethane	7.73	97	160816	52.114	ug/l	100
36) 1,1-Dichloropropene	7.94	75	161347	52.777	ug/l	100
37) Ethyl Acetate	7.10	43	95273	52.327	ug/l	100
38) Carbon Tetrachloride	7.92	117	136693	52.248	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001845.D
 Acq On : 04 Mar 2020 11:33
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:09 PM

Quant Time: Mar 04 17:36:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	210501	51.514	ug/l	100
40) Benzene	8.19	78	476181	52.391	ug/l	100
41) Methacrylonitrile	7.35	41	40789m	18.932	ug/l	
42) 1,2-Dichloroethane	8.26	62	124001	52.862	ug/l	100
43) Isopropyl Acetate	8.30	43	178945	52.841	ug/l	100
44) Trichloroethene	8.96	130	114991	51.837	ug/l	100
45) 1,2-Dichloropropane	9.24	63	120663	52.611	ug/l	100
46) Dibromomethane	9.33	93	61454	51.716	ug/l	100
47) Bromodichloromethane	9.52	83	145310	52.902	ug/l	100
48) Methyl methacrylate	9.31	41	82760	53.926	ug/l	100
49) 1,4-Dioxane	9.32	88	17228	1099.529	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	461430	264.414	ug/l	100
52) Toluene	10.26	92	289130	52.469	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	161706	53.905	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	190151	53.184	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	90878	52.414	ug/l	100
56) Ethyl methacrylate	10.52	69	137447	54.401	ug/l	100
57) 1,3-Dichloropropane	10.80	76	160215	52.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	227231	221.698	ug/l	100
59) 2-Hexanone	10.85	43	332672	268.111	ug/l	100
60) Dibromochloromethane	11.00	129	97930	53.742	ug/l	100
61) 1,2-Dibromoethane	11.10	107	85111	52.523	ug/l	100
64) Tetrachloroethene	10.73	164	90642	50.738	ug/l	100
65) Chlorobenzene	11.53	112	298064	52.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	98906	53.644	ug/l	100
67) Ethyl Benzene	11.60	91	556205	52.646	ug/l	100
68) m/p-Xylenes	11.71	106	414755	106.077	ug/l	100
69) o-Xylene	12.04	106	194595	52.914	ug/l	100
70) Styrene	12.05	104	341462	53.680	ug/l	100
71) Bromoform	12.22	173	56023	55.545	ug/l #	100
73) Isopropylbenzene	12.34	105	529498	51.427	ug/l	100
74) N-amyl acetate	12.15	43	165013	52.265	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	114525	51.599	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	76204m	29.256	ug/l	
77) Bromobenzene	12.62	156	110773	50.667	ug/l	100
78) n-propylbenzene	12.68	91	651460	51.298	ug/l	100
79) 2-Chlorotoluene	12.77	91	360073	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	433858	51.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41912	52.598	ug/l	100
82) 4-Chlorotoluene	12.86	91	374416	51.468	ug/l	100
83) tert-Butylbenzene	13.08	119	358683	50.917	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	433216	51.392	ug/l	100
85) sec-Butylbenzene	13.27	105	533393	51.277	ug/l	100
86) p-Isopropyltoluene	13.38	119	461226	51.628	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	217259	50.581	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	220936	51.170	ug/l	100
89) n-Butylbenzene	13.70	91	473985	51.434	ug/l	100
90) Hexachloroethane	13.97	117	87129	52.055	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	197350	50.940	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17247	49.947	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
Data File : VY001845.D
Acq On : 04 Mar 2020 11:33
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

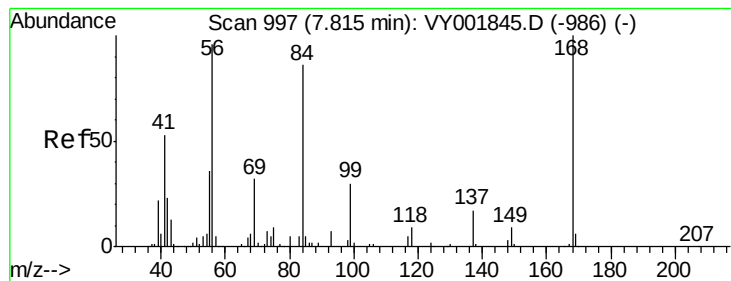
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM

Quant Time: Mar 04 17:36:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 17:21:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	128461	50.814	ug/l	100
94) Hexachlorobutadiene	15.12	225	60904	49.528	ug/l	100
95) Naphthalene	15.25	128	304516	51.215	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	112100	50.195	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 180399

Ion Ratio Lower Upper

168 100

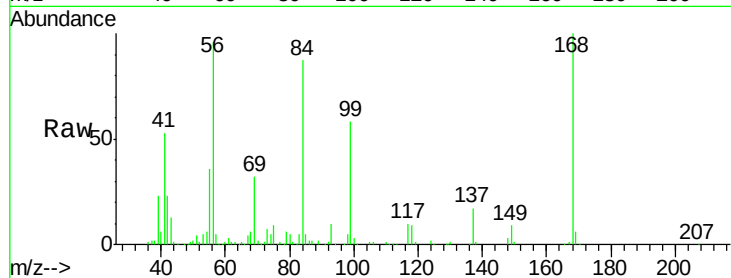
99 58.4 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



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

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

7.82

80000

60000

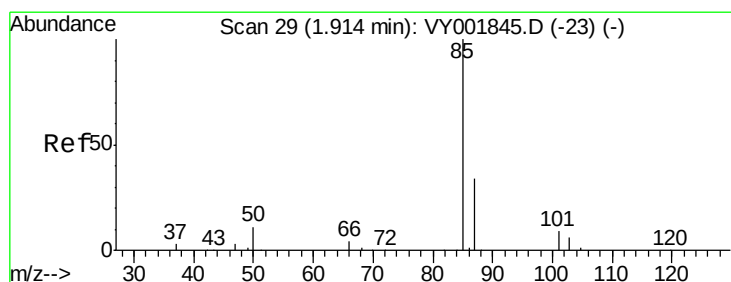
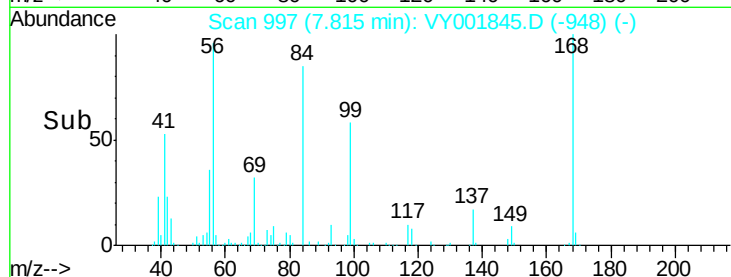
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.019 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001845.D

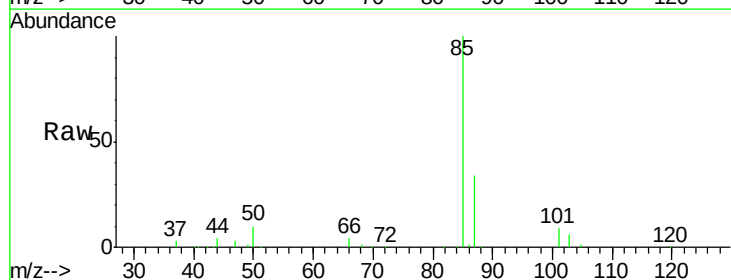
Acq: 04 Mar 2020 11:33

Tgt Ion: 85 Resp: 80358

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.4



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

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

1.91

60000

50000

40000

30000

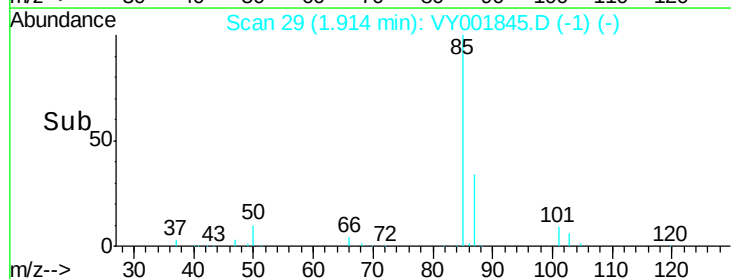
20000

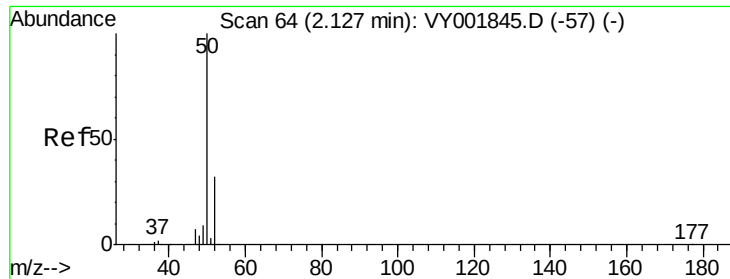
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.227 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tot Ion: 50 Resp: 110035

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6

Instrument :

MSVOA_Y

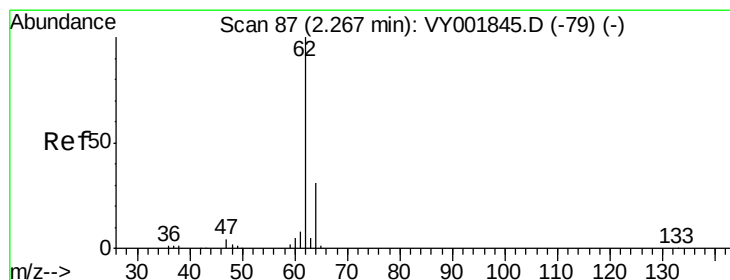
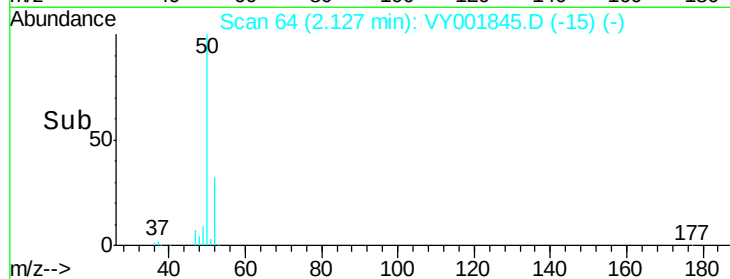
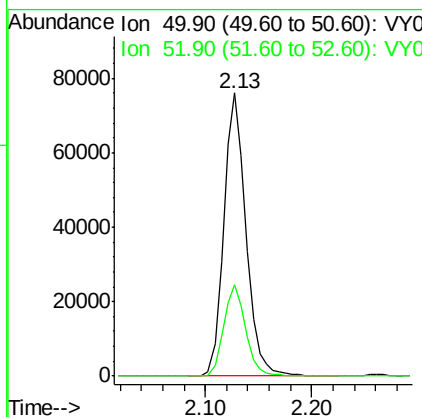
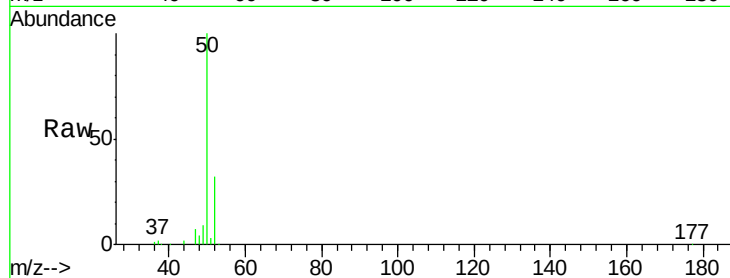
ClientSampleId :

VSTDICCC050

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#4

Vinyl Chloride

Concen: 52.191 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001845.D

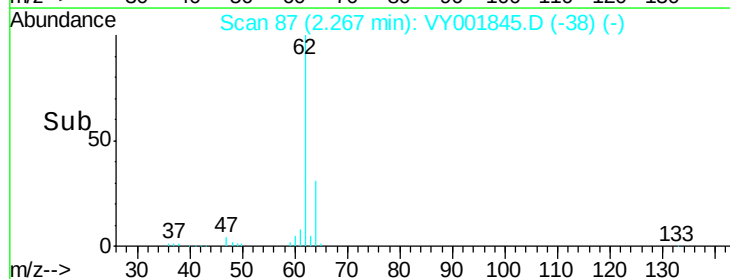
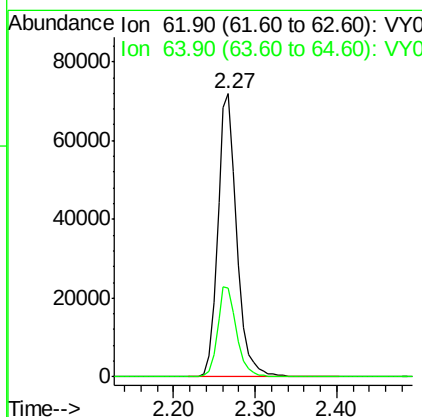
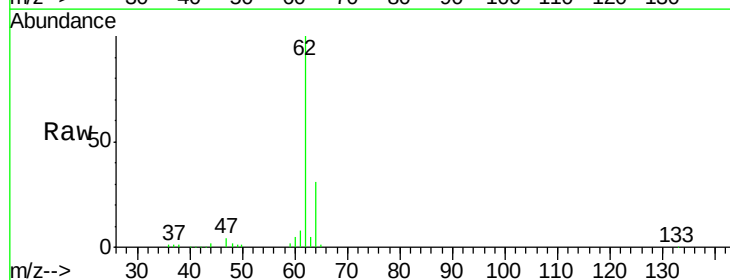
Acq: 04 Mar 2020 11:33

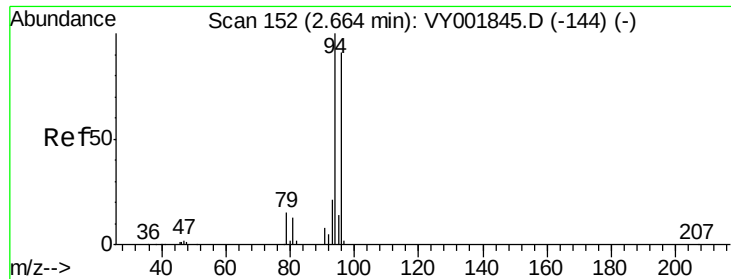
Tgt Ion: 62 Resp: 116661

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 50.800 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 74400

Ion Ratio Lower Upper

94 100

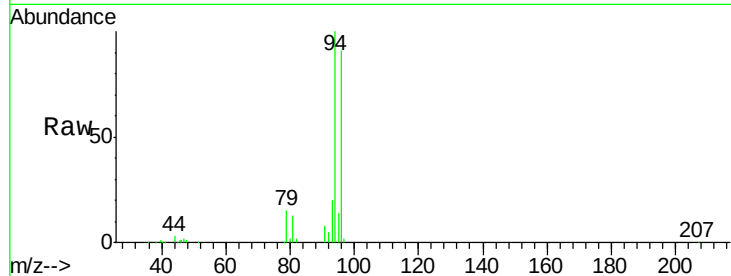
96 91.5 73.2 109.8

Manual Integrations

APPROVED

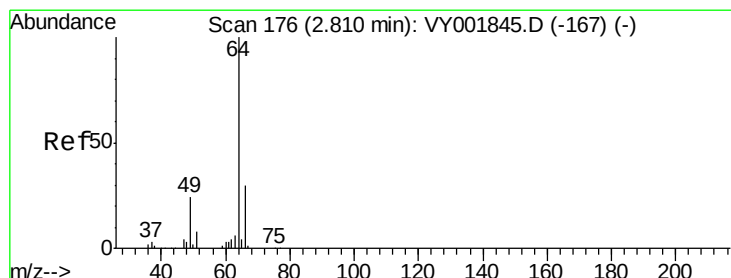
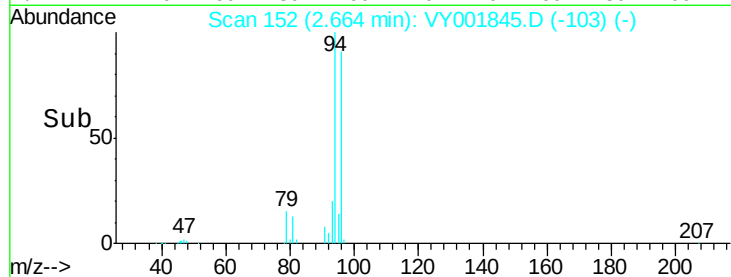
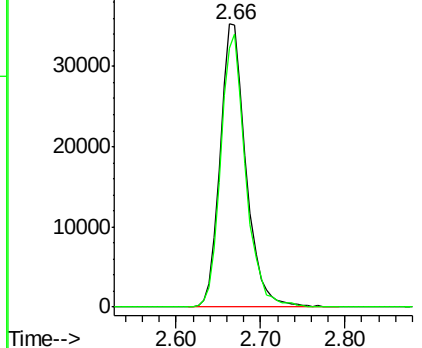
MMDadoda

3/5/2020 1:37:09 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.372 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001845.D

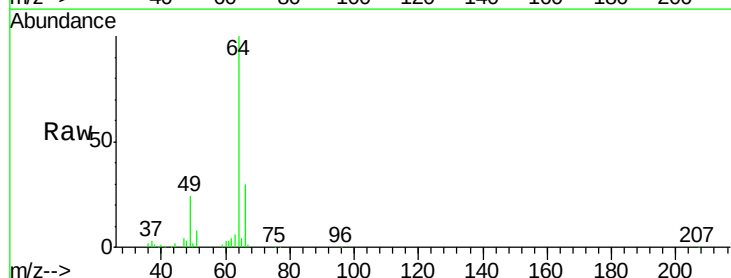
Acq: 04 Mar 2020 11:33

Tgt Ion: 64 Resp: 72747

Ion Ratio Lower Upper

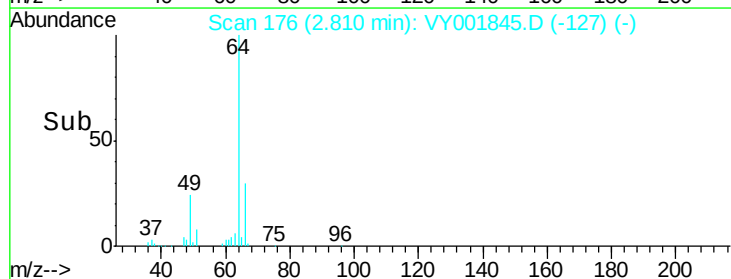
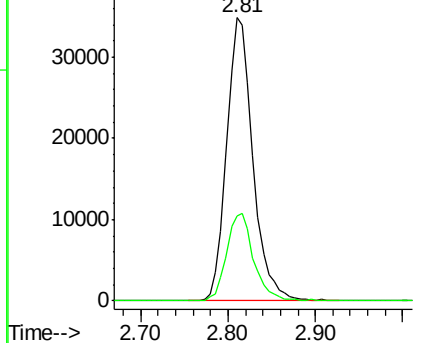
64 100

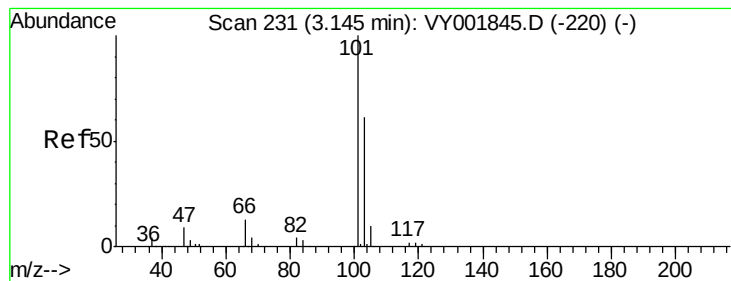
66 29.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

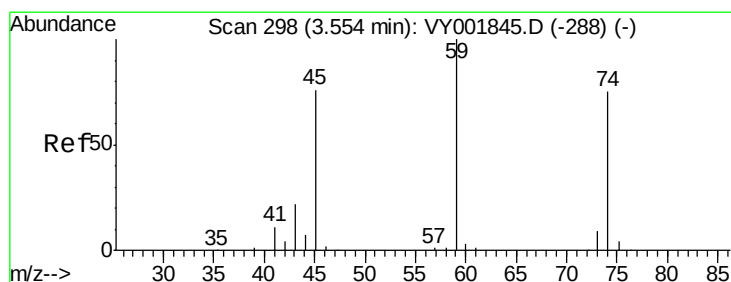
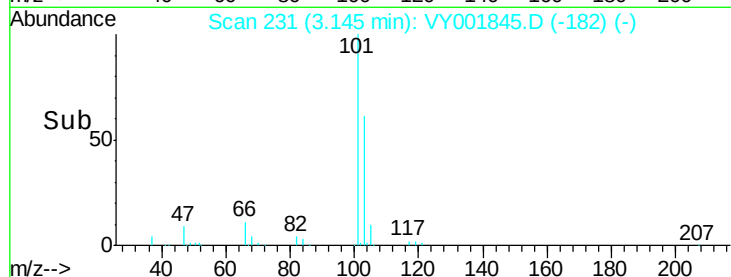
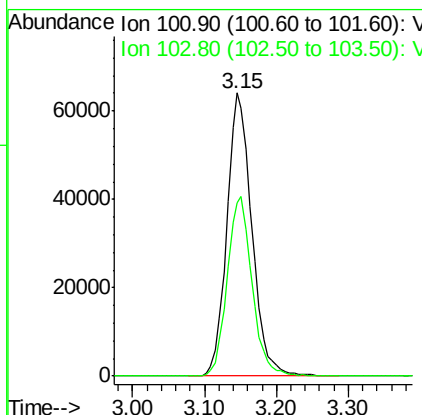
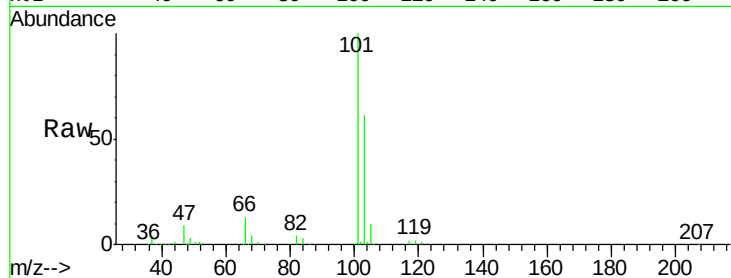
Trichlorofluoromethane
 Concen: 50.017 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	49.1	73.7

Manual Integrations
 APPROVED

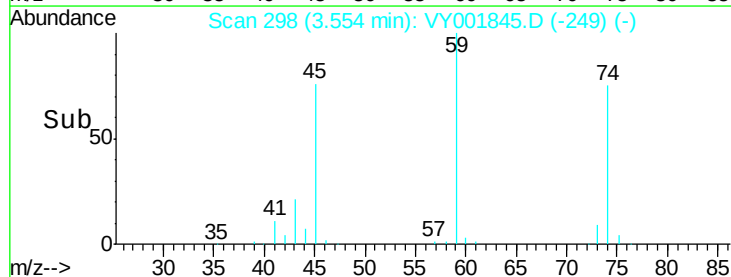
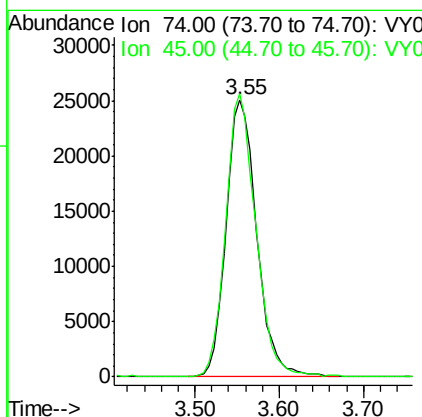
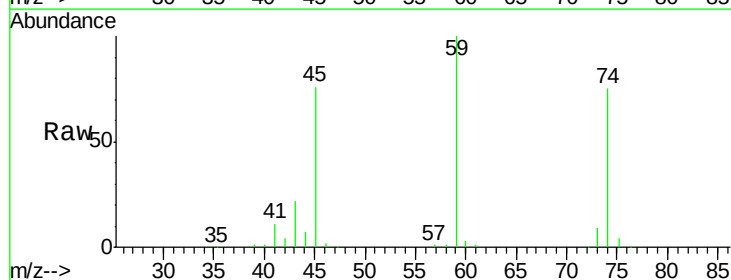
MMDadoda
 3/5/2020 1:37:09 PM

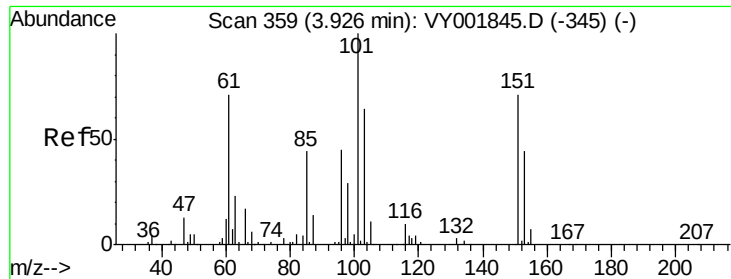


#8

Diethyl Ether
 Concen: 51.623 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.507 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

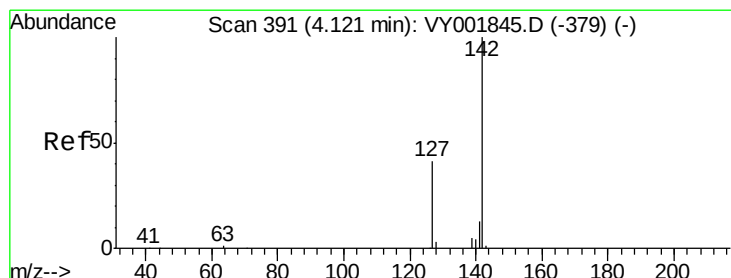
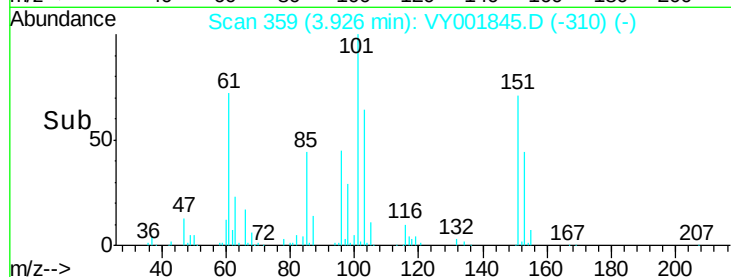
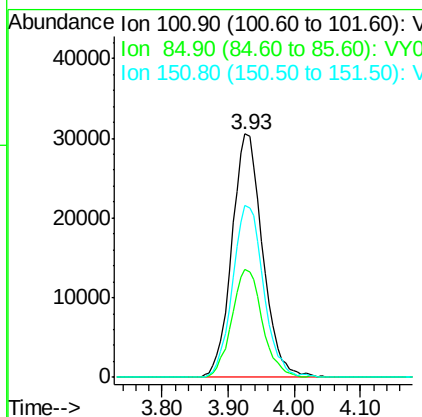
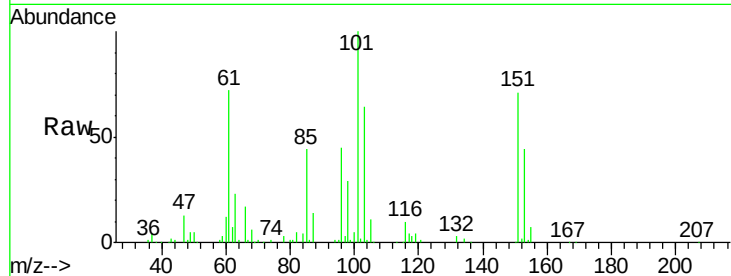
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	98718
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.3	52.9
151	71.2	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#10

Methyl Iodide

Concen: 55.768 ug/l

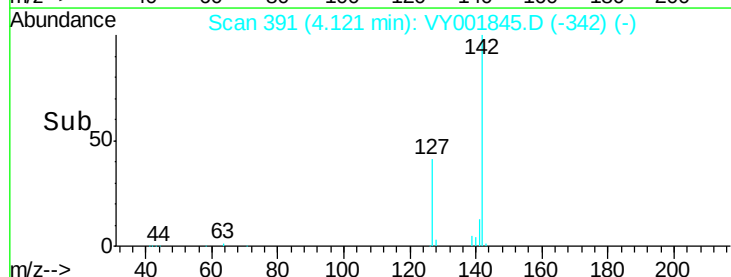
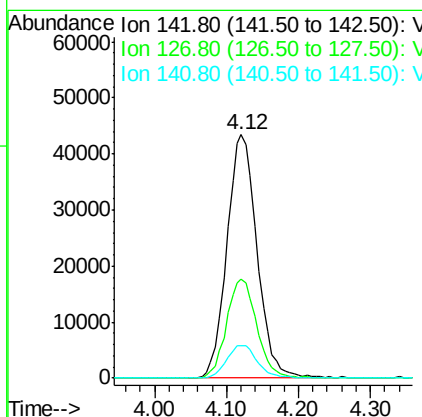
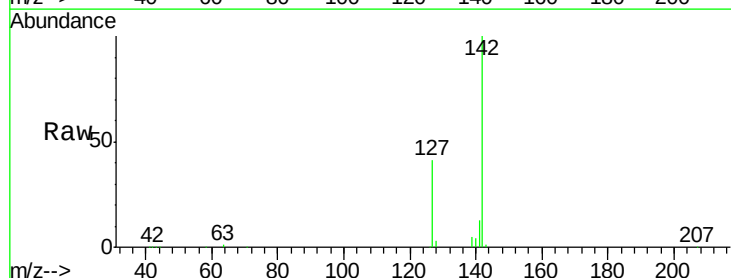
RT: 4.12 min Scan# 391

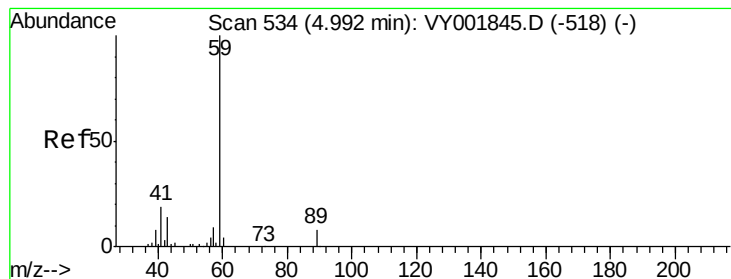
Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion:	142	Resp:	126505
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.7	49.1
141	13.8	11.0	16.6





#11

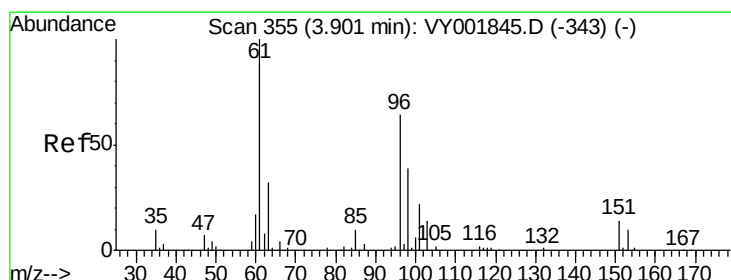
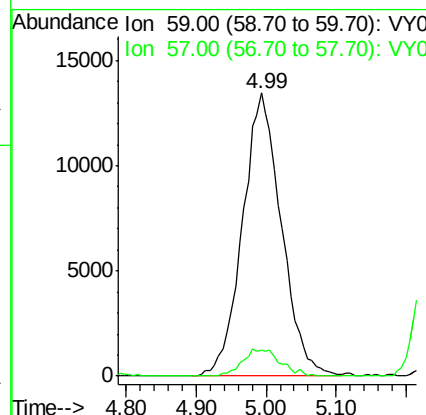
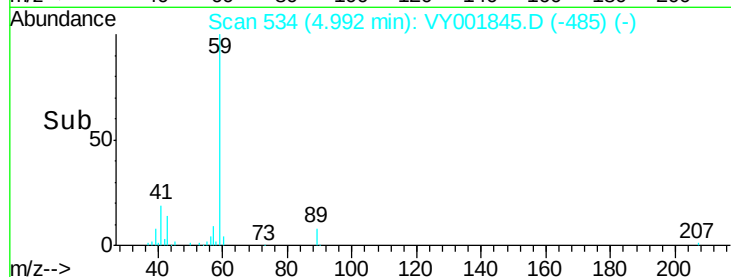
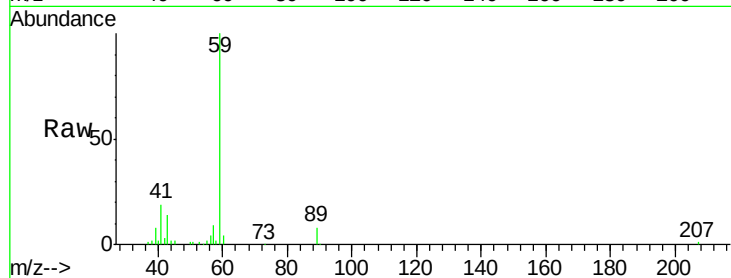
Tert butyl alcohol
Concen: 234.275 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

Manual Integrations
APPROVED

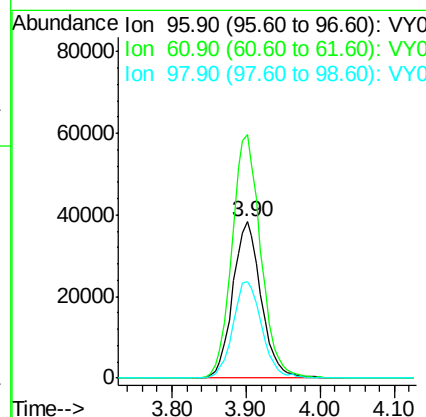
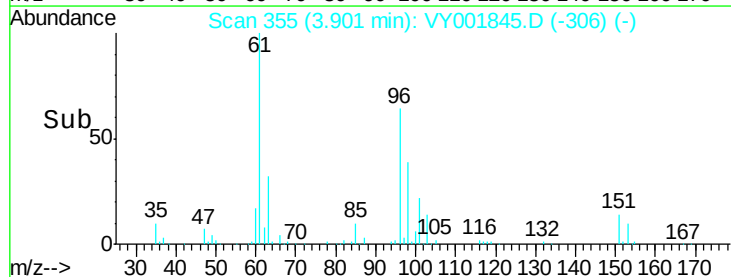
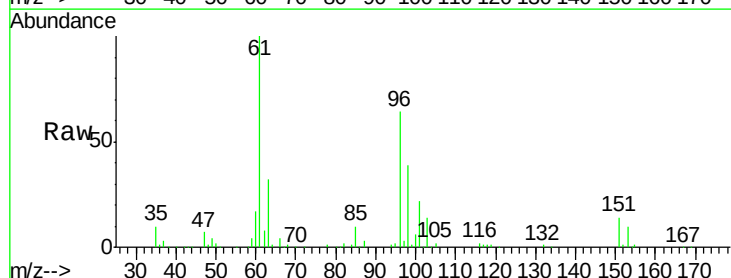
MMDadoda
3/5/2020 1:37:09 PM

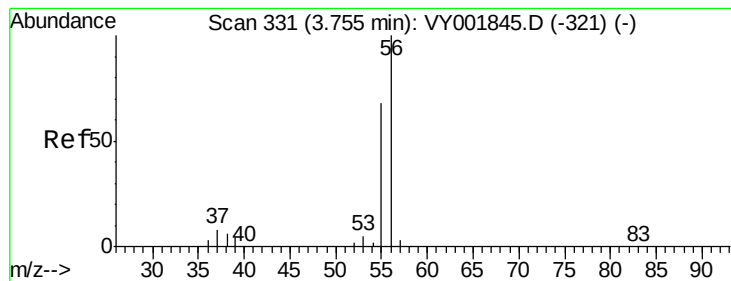


#12

1,1-Dichloroethene
Concen: 51.722 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	124.8	187.2
98	61.5	49.2	73.8





#13

Acrolein

Concen: 232.601 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 62398

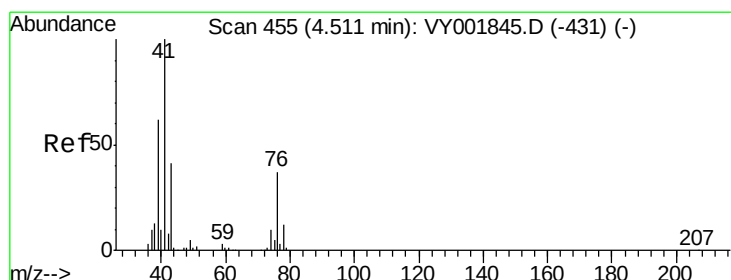
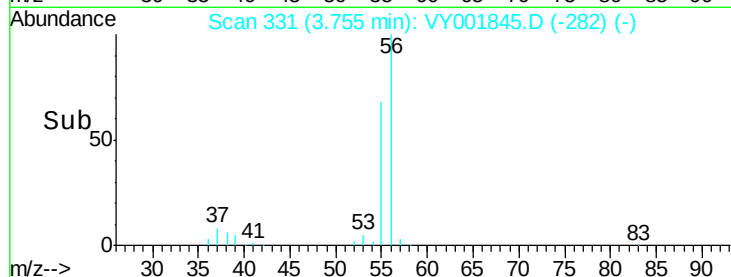
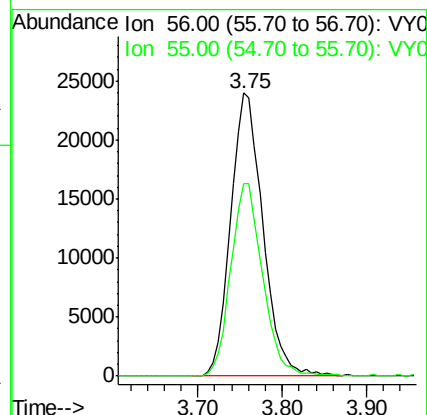
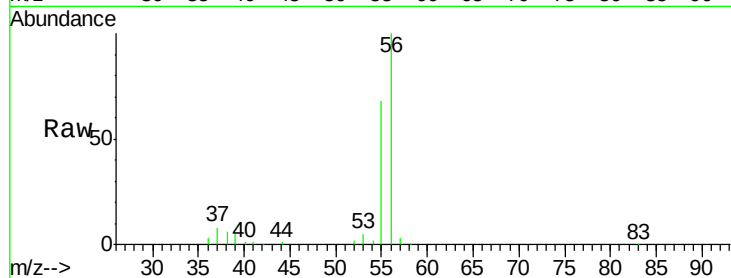
Ion Ratio Lower Upper

56 100

55 67.5 54.0 81.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#14

Allyl chloride

Concen: 51.642 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

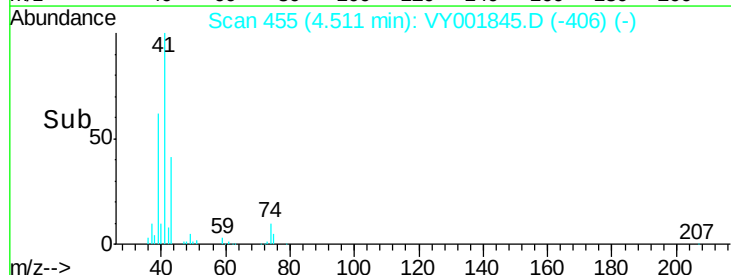
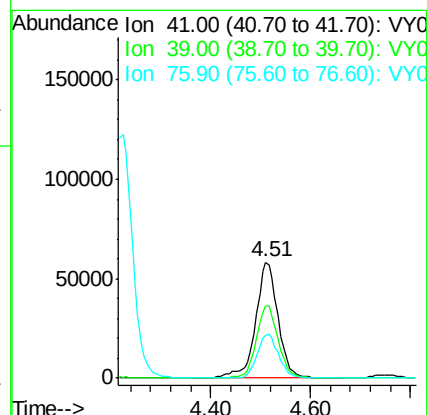
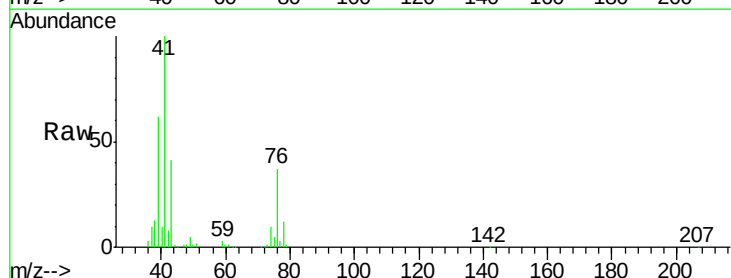
Tgt Ion: 41 Resp: 182225

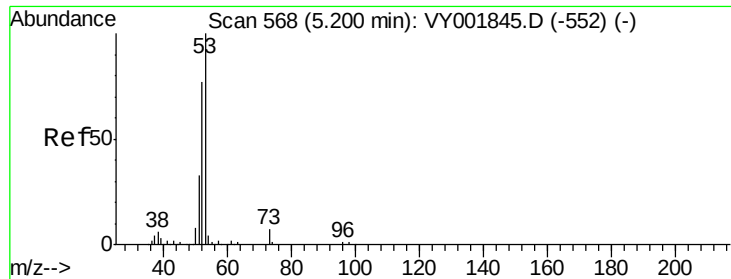
Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 261.302 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

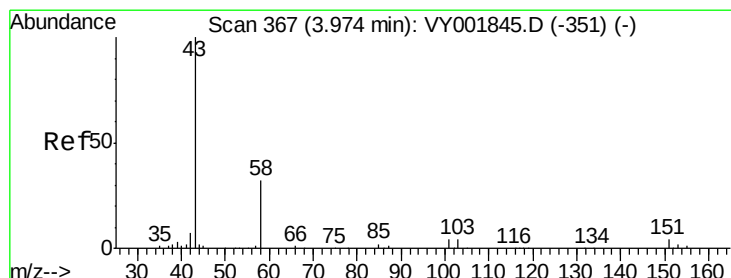
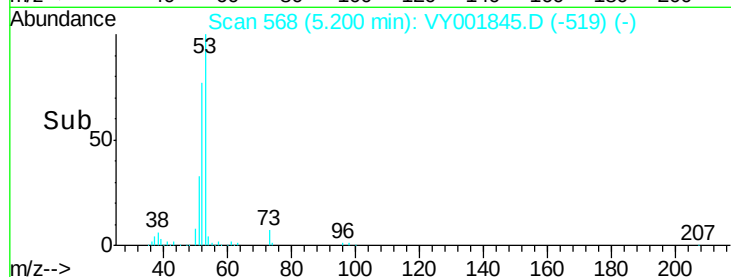
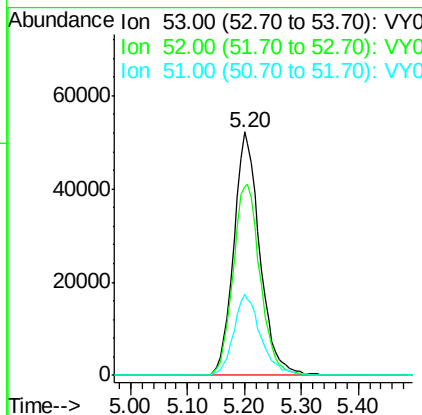
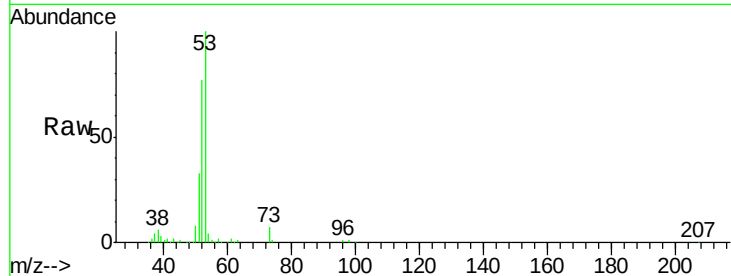
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	167006
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	34.4	27.5	41.3

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#16

Acetone

Concen: 262.129 ug/l

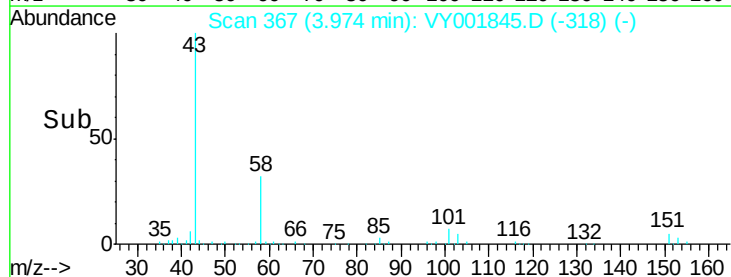
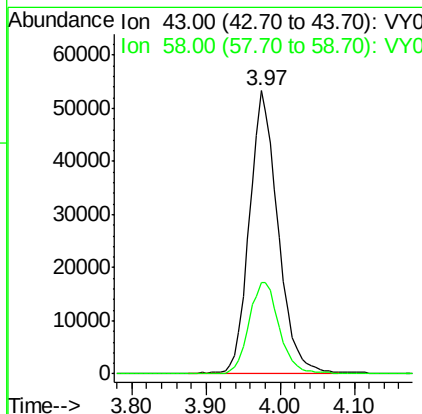
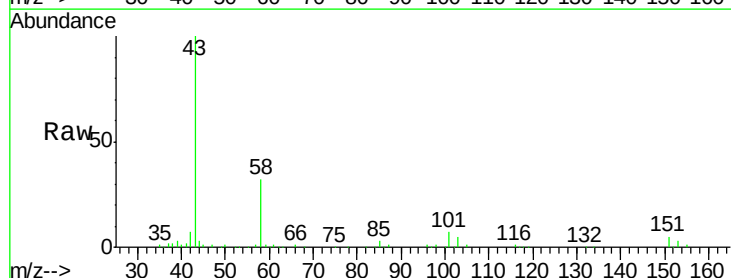
RT: 3.97 min Scan# 367

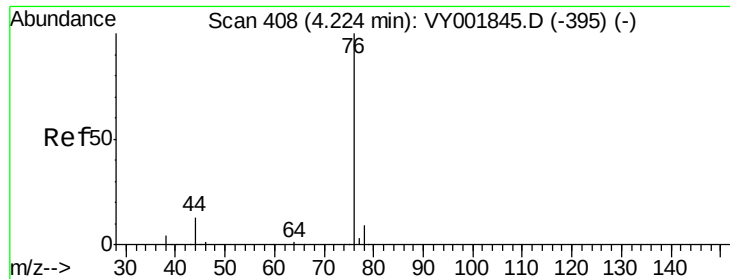
Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion:	43	Resp:	143808
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.9	38.9





#17

Carbon Disulfide

Concen: 51.892 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 342788

Ion Ratio Lower Upper

76 100

78 9.3

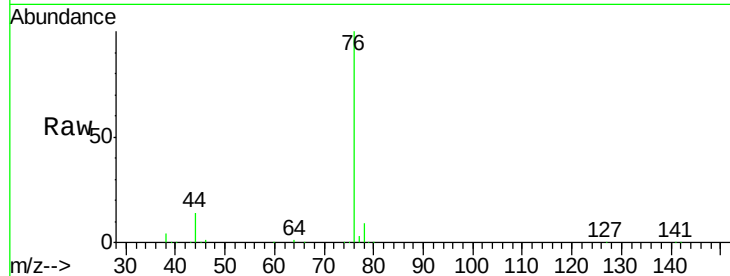
7.4 11.2

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

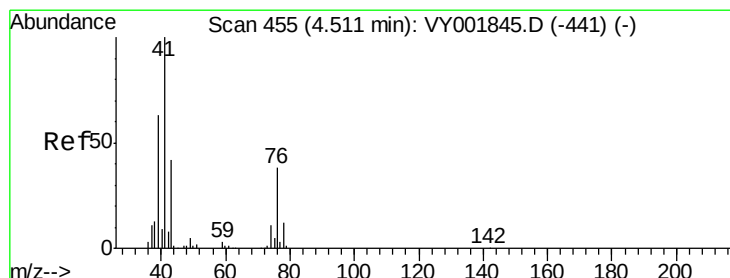
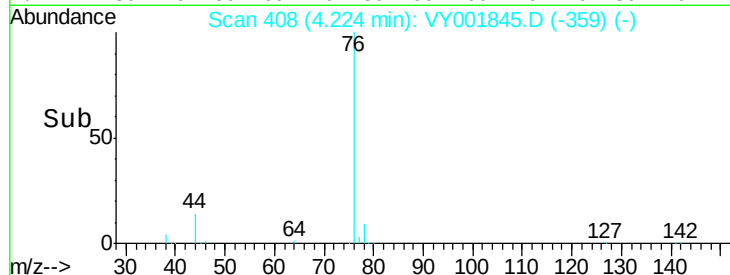
4.22

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.103 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

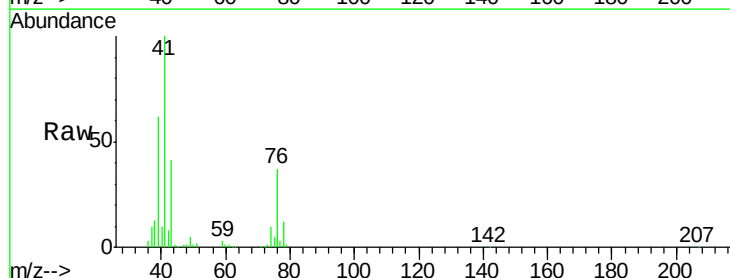
Tgt Ion: 43 Resp: 73229

Ion Ratio Lower Upper

43 100

74 23.8

19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

25000

20000

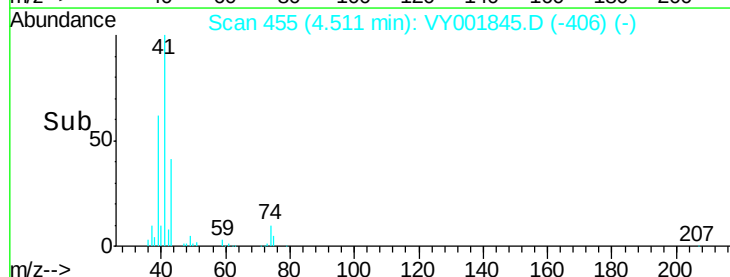
15000

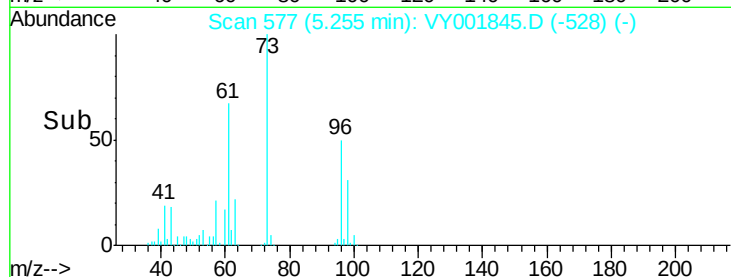
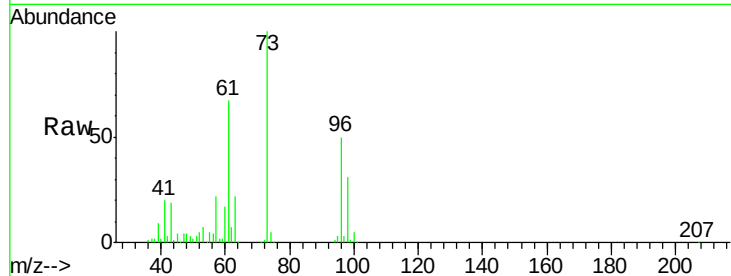
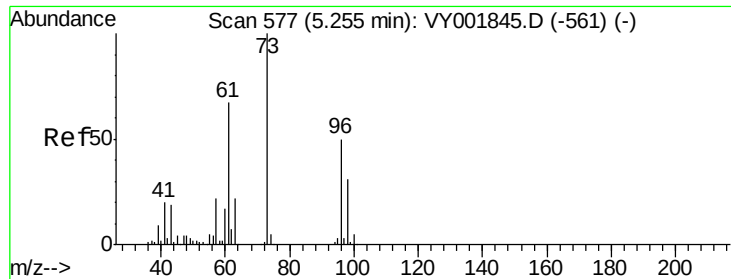
10000

5000

0

Time-->





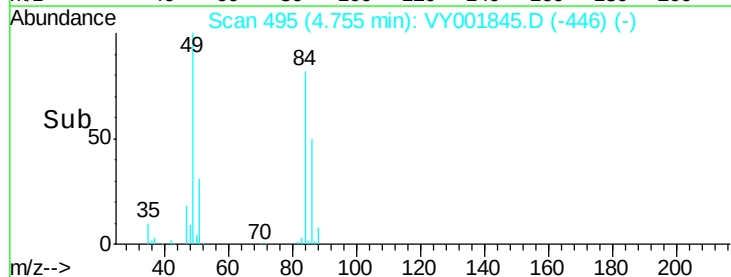
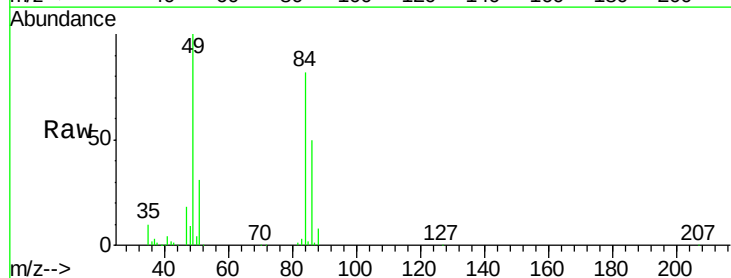
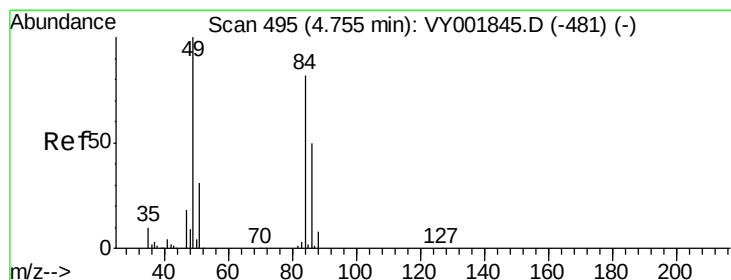
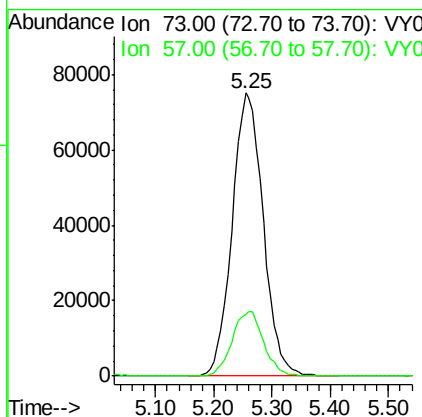
#19
Methyl tert-butyl Ether
Concen: 52.048 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tot Ion: 73 Resp: 278152
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

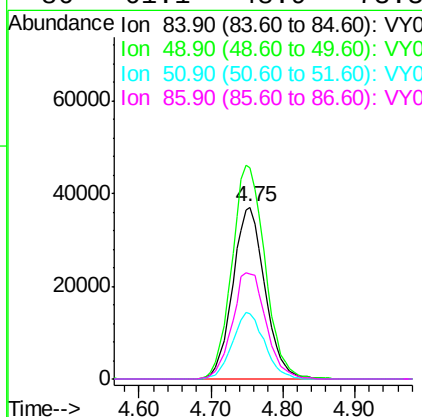
Manual Integrations
APPROVED

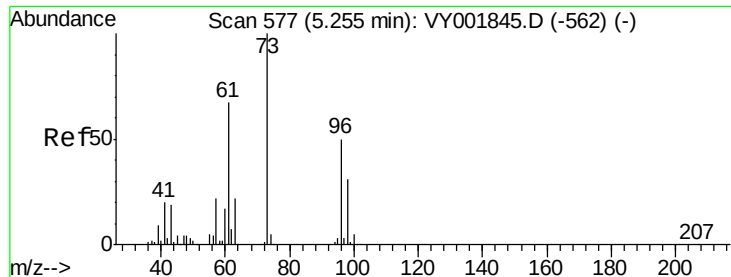
MMDadoda
3/5/2020 1:37:09 PM



#20
Methylene Chloride
Concen: 48.308 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 84 Resp: 114836
Ion Ratio Lower Upper
84 100
49 122.7 98.2 147.2
51 37.7 30.2 45.2
86 61.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 51.713 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 115375

Ion Ratio Lower Upper

96 100

61 134.6 107.7 161.5

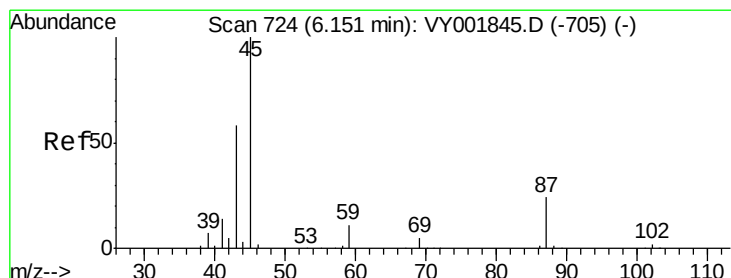
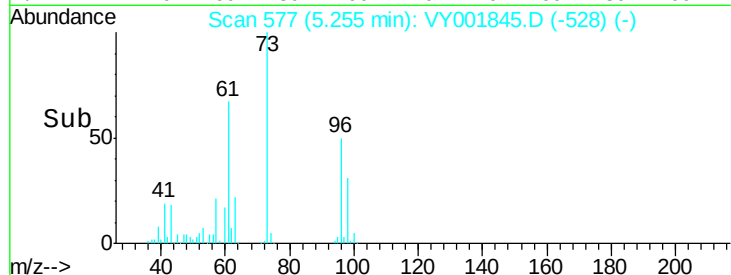
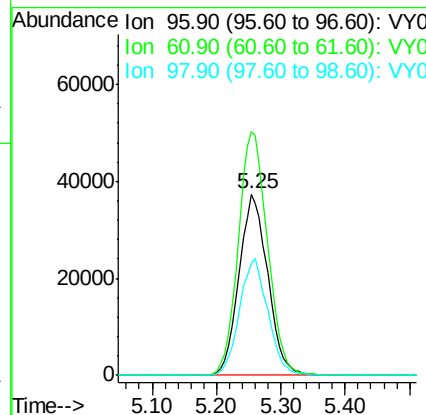
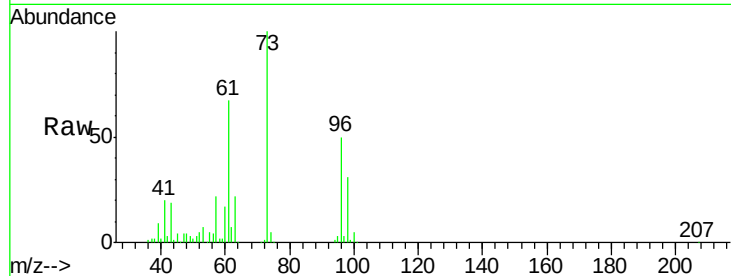
98 61.6 49.3 73.9

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#22

Diisopropyl ether

Concen: 52.072 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion: 45 Resp: 370805

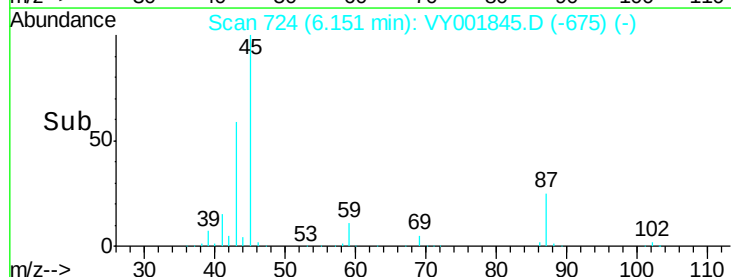
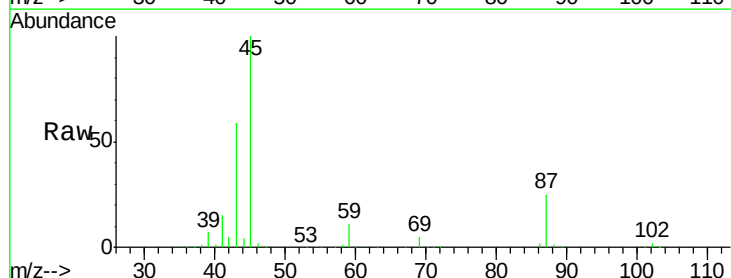
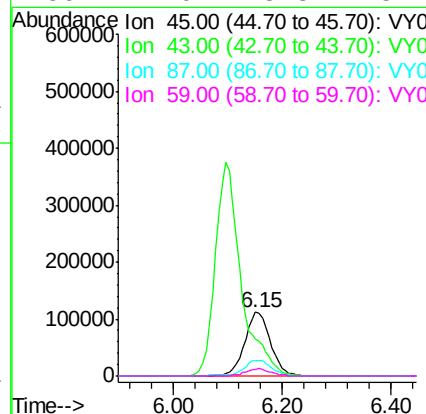
Ion Ratio Lower Upper

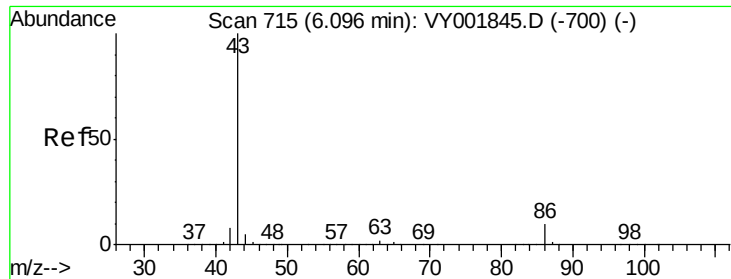
45 100

43 59.0 47.2 70.8

87 24.8 19.8 29.8

59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 264.245 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1235851

Ion Ratio Lower Upper

43 100

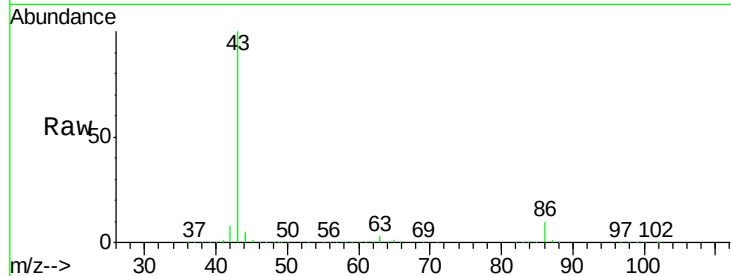
86 9.8 7.8 11.8

Manual Integrations

APPROVED

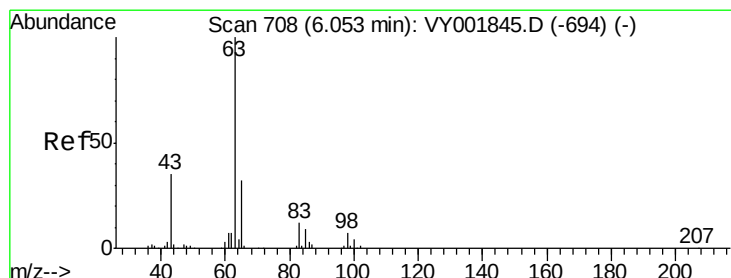
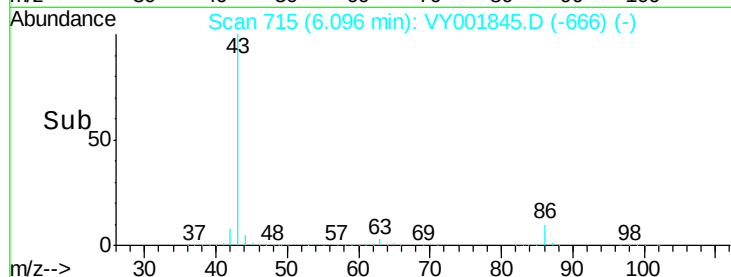
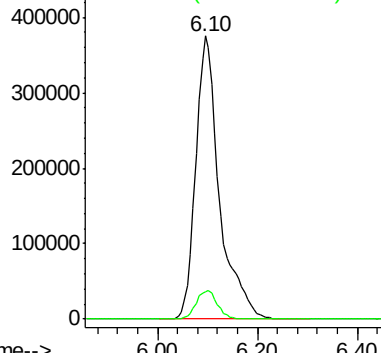
MMDadoda

3/5/2020 1:37:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 52.004 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

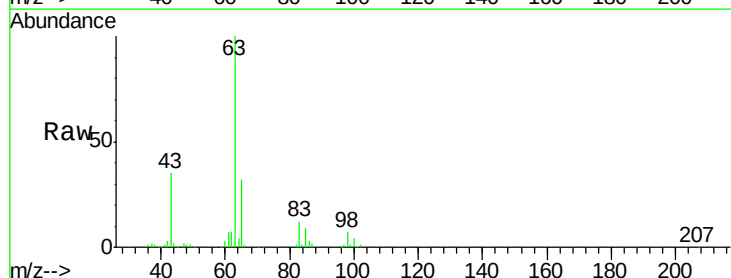
Tgt Ion: 63 Resp: 200299

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

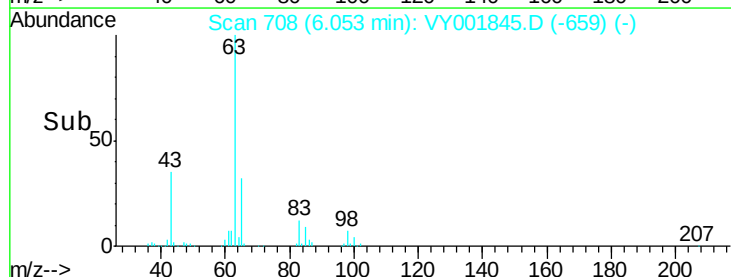
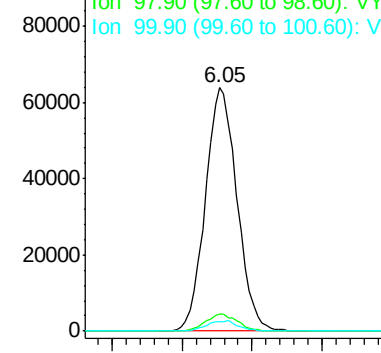
100 4.0 2.0 6.0

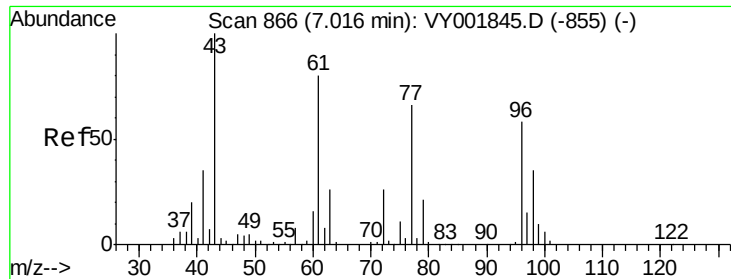


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





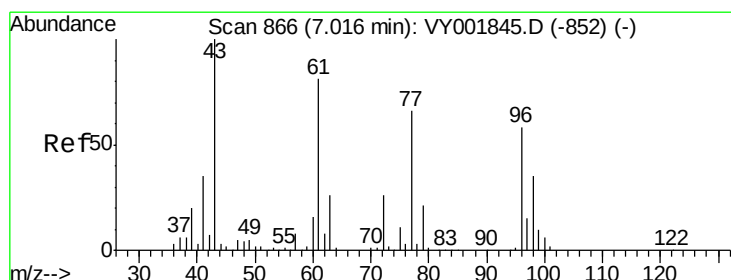
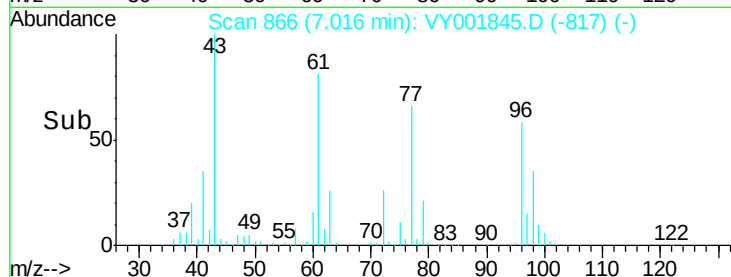
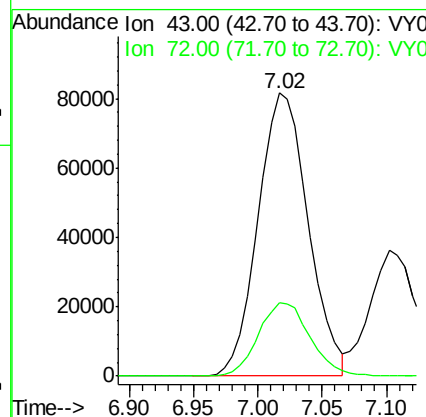
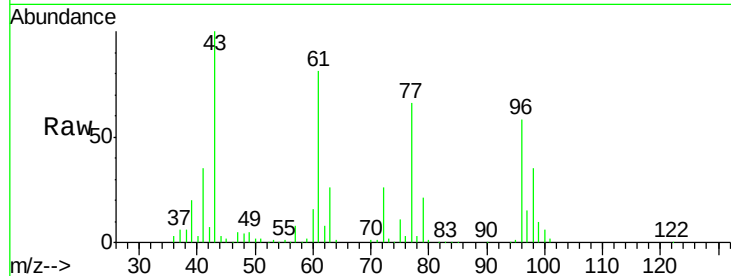
#25
2-Butanone
Concen: 260.722 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 220322
Ion Ratio Lower Upper
43 100
72 26.1 20.9 31.3

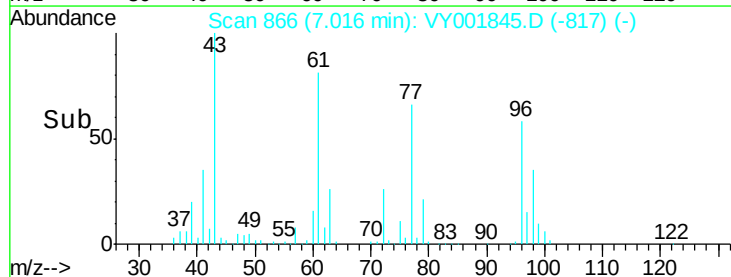
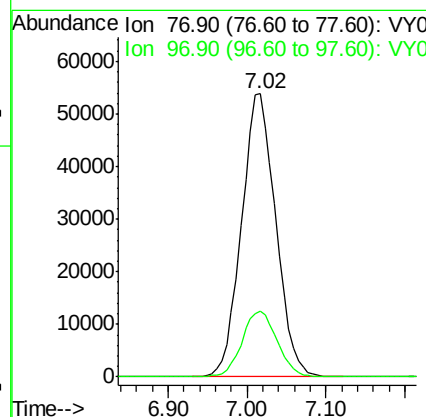
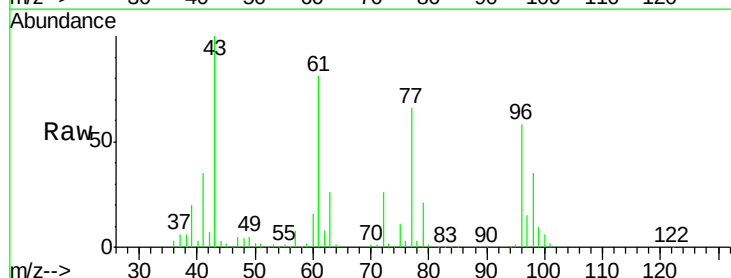
Manual Integrations
APPROVED

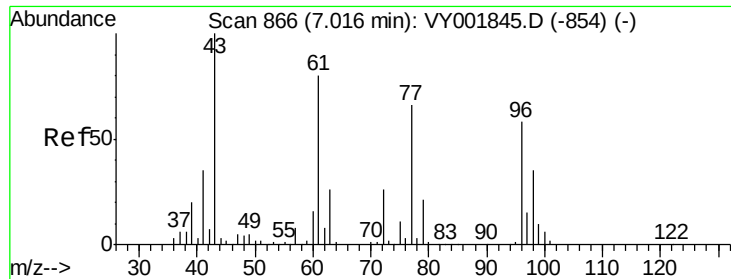
MMDadoda
3/5/2020 1:37:09 PM



#26
2,2-Dichloropropane
Concen: 50.652 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 77 Resp: 162194
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 52.424 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001845.D

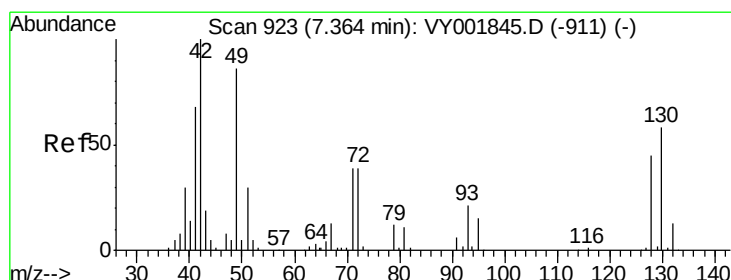
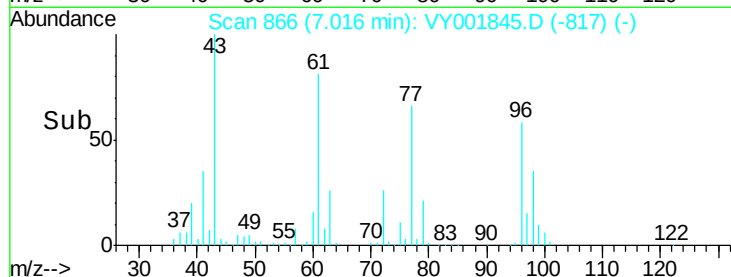
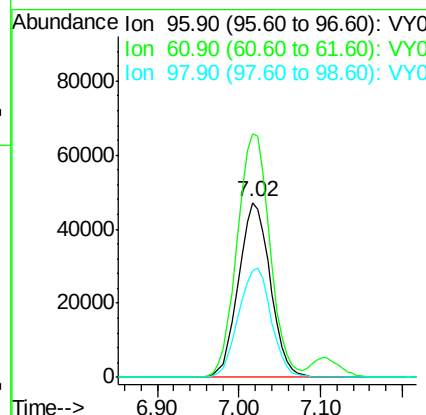
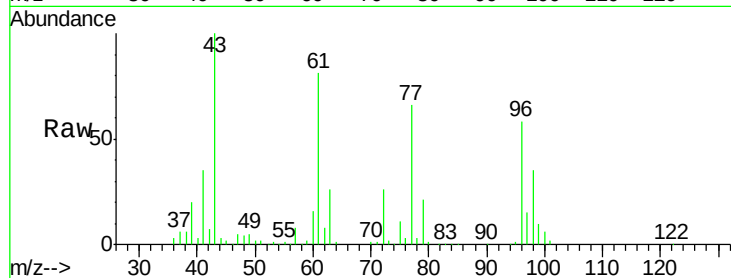
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127018		
61	144.1	0.0	288.2	
98	64.5	0.0	129.0	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#28

Bromochloromethane

Concen: 51.741 ug/l

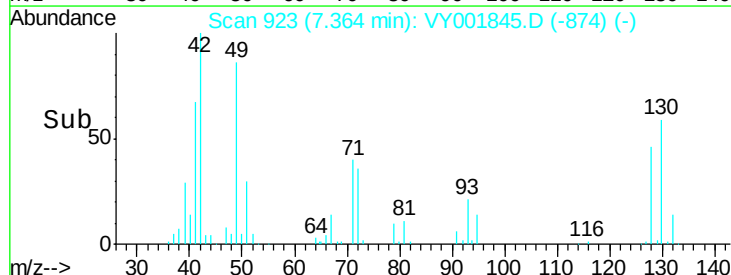
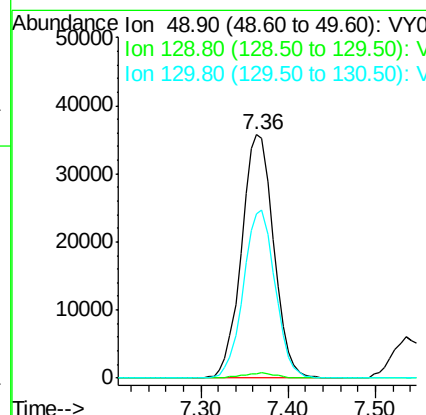
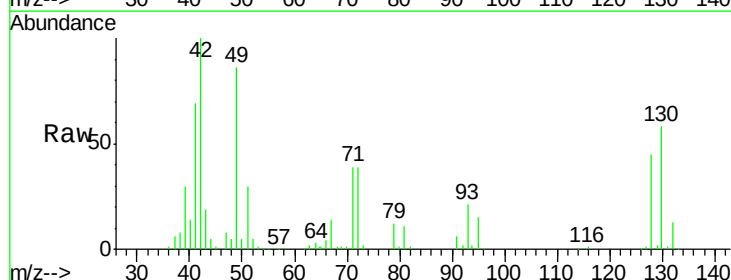
RT: 7.36 min Scan# 923

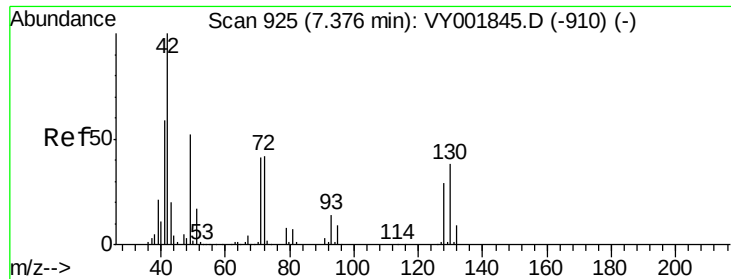
Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91202		
129	1.9	0.0	3.8	
130	68.0	54.4	81.6	





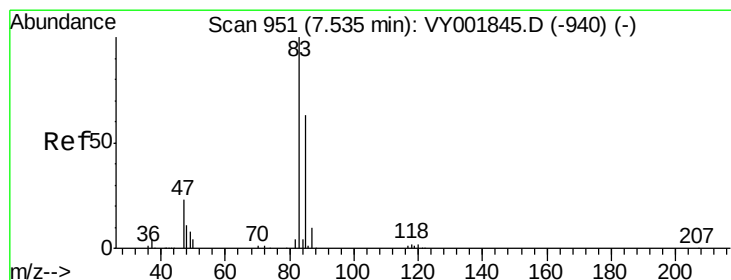
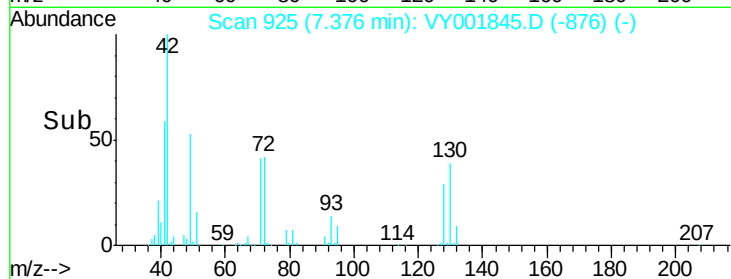
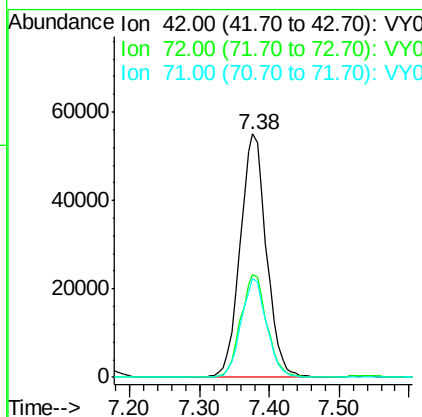
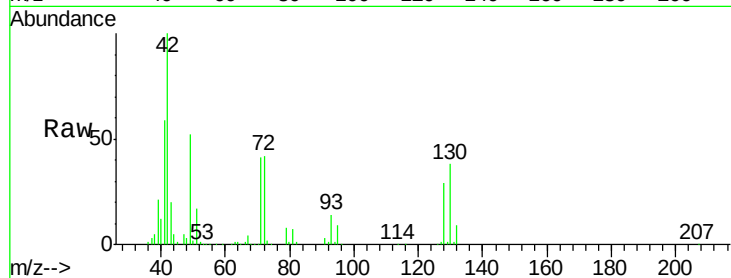
#29
Tetrahydrofuran
Concen: 258.188 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.5	50.3
71	39.1	31.3	46.9

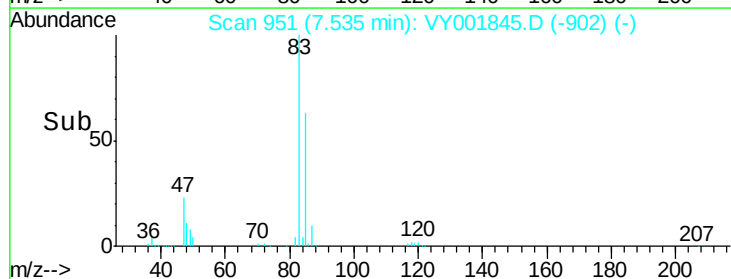
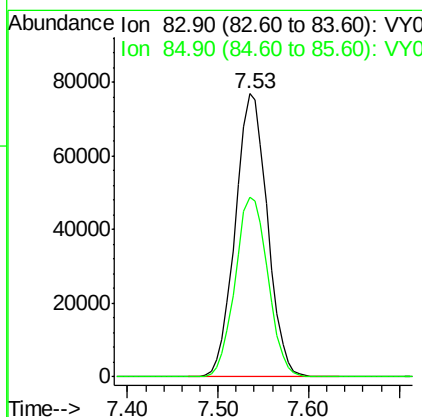
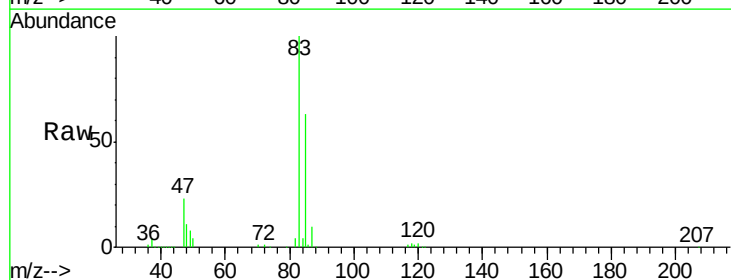
Manual Integrations
APPROVED

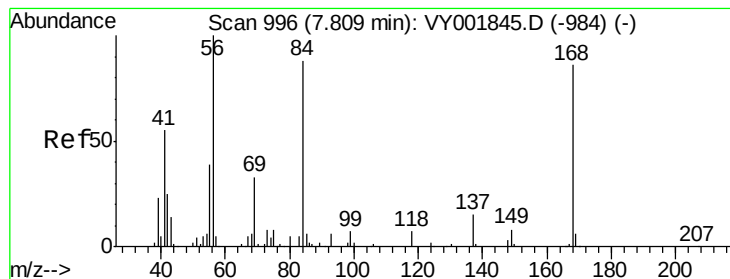
MMDadoda
3/5/2020 1:37:09 PM



#30
Chloroform
Concen: 51.837 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





#31

Cyclohexane

Concen: 49.419 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 205190

Ion Ratio Lower Upper

56 100

69 33.4 26.7 40.1

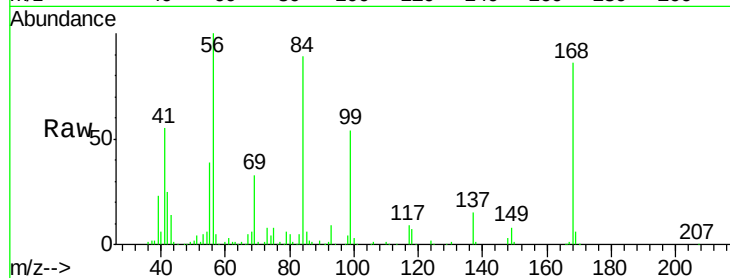
84 88.0 70.4 105.6

Manual Integrations

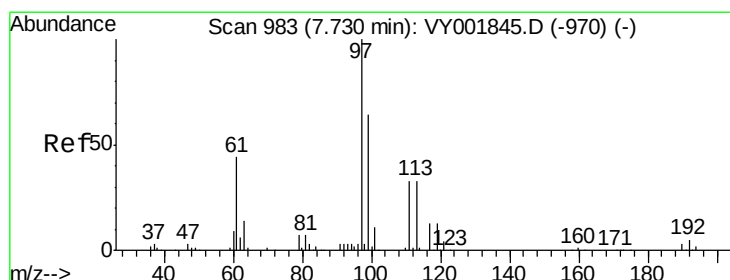
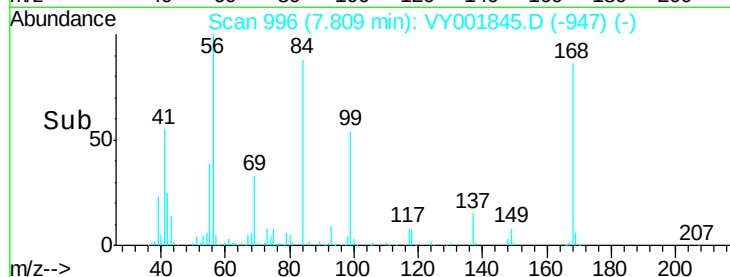
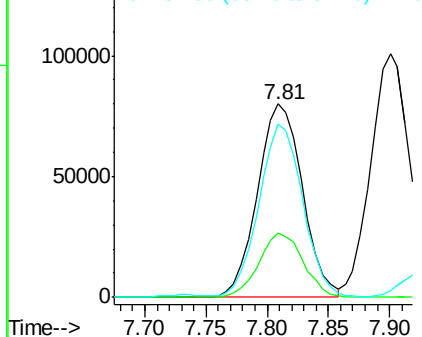
APPROVED

MMDadoda

3/5/2020 1:37:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 52.114 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

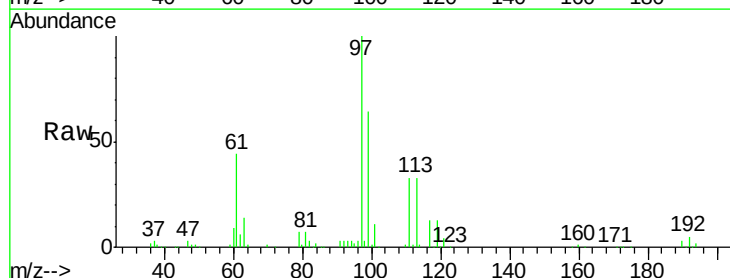
Tgt Ion: 97 Resp: 160816

Ion Ratio Lower Upper

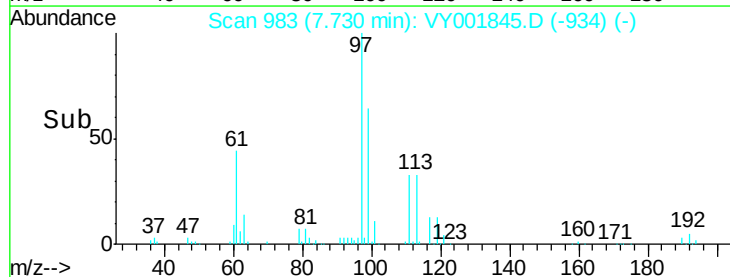
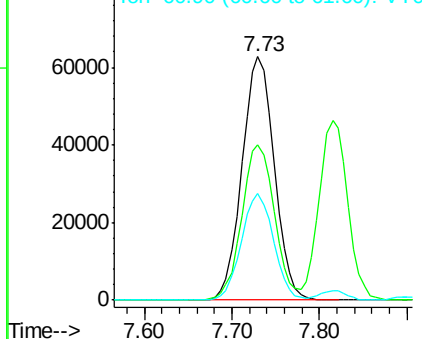
97 100

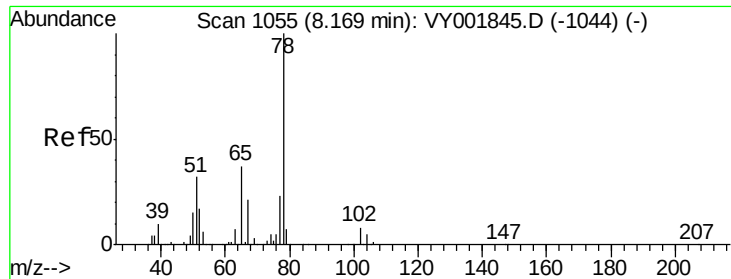
99 65.0 52.0 78.0

61 43.7 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





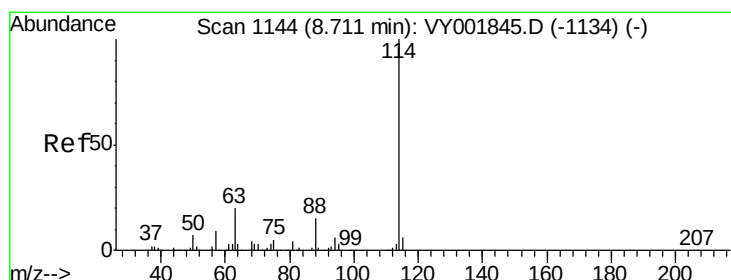
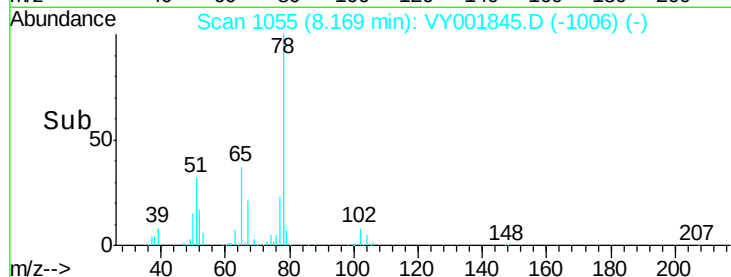
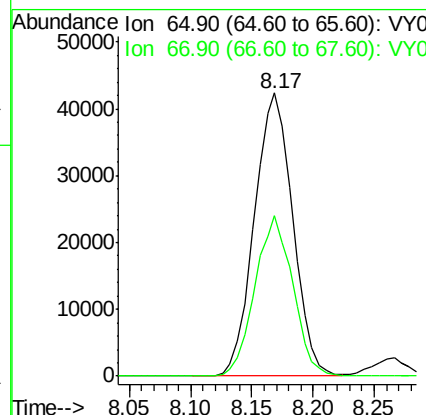
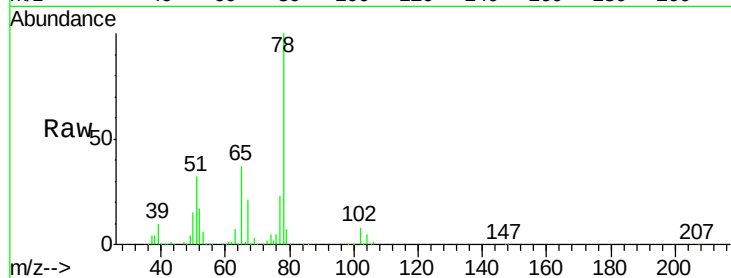
#33
 1,2-Dichloroethane-d4
 Concen: 48.224 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	110.8

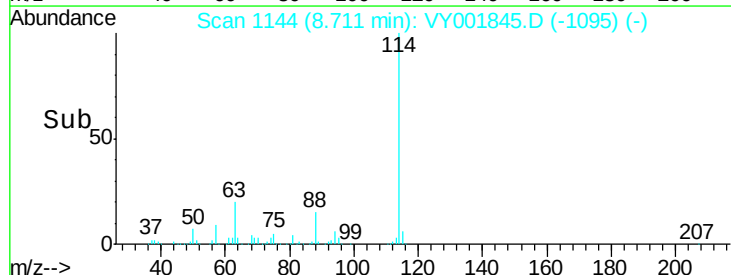
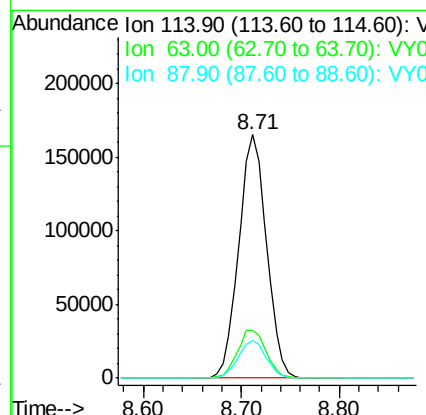
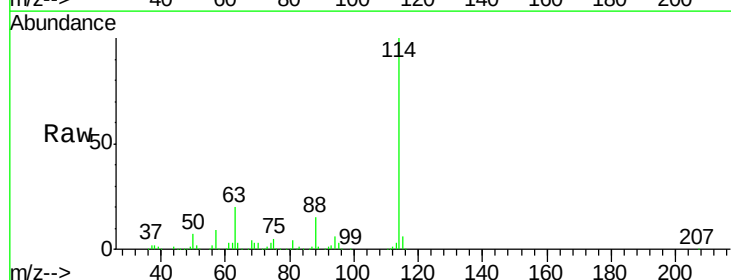
Manual Integrations
 APPROVED

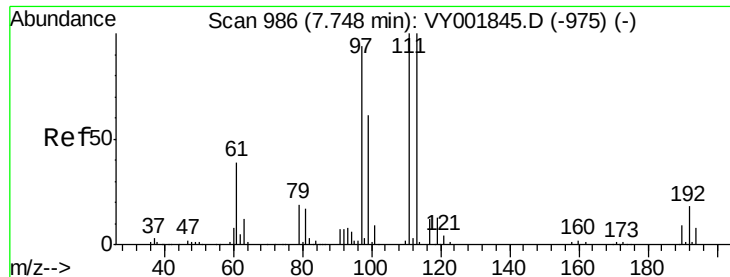
MMDadoda
 3/5/2020 1:37:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.2	0.0	30.4





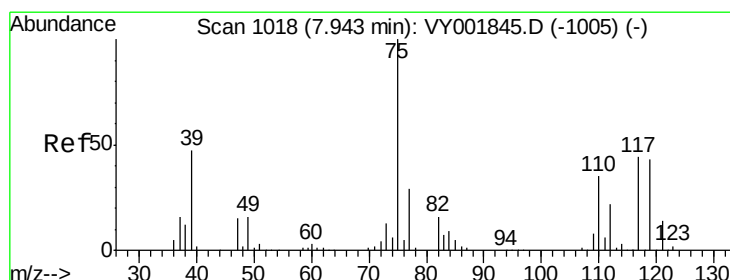
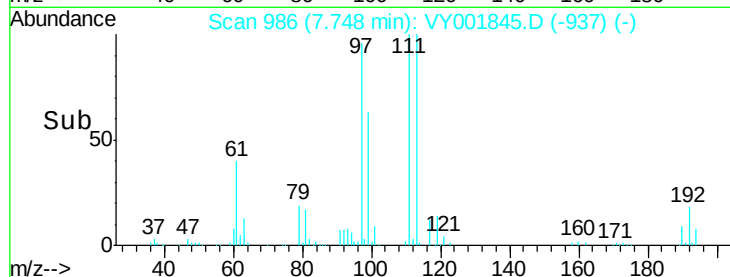
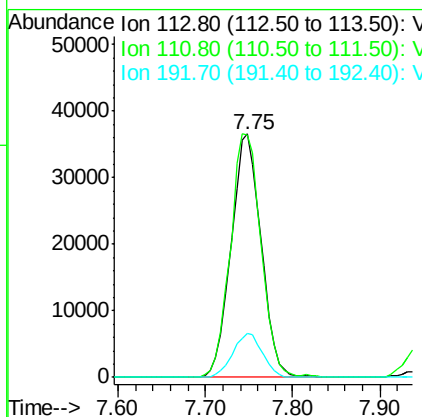
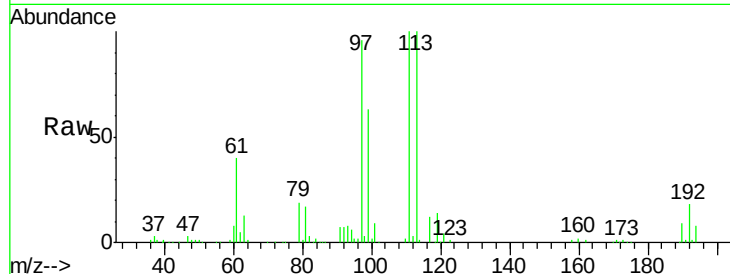
#35
 Dibromofluoromethane
 Concen: 48.938 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	17.7	14.2	21.2

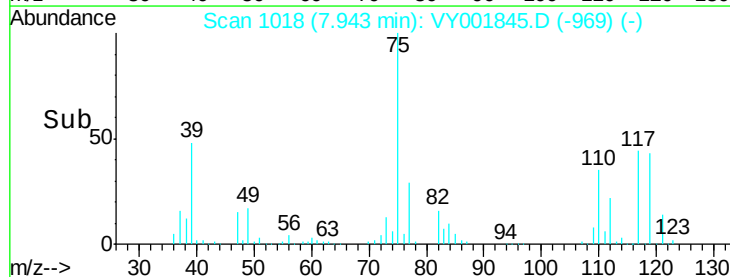
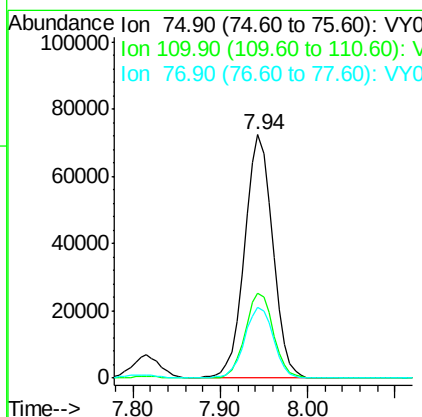
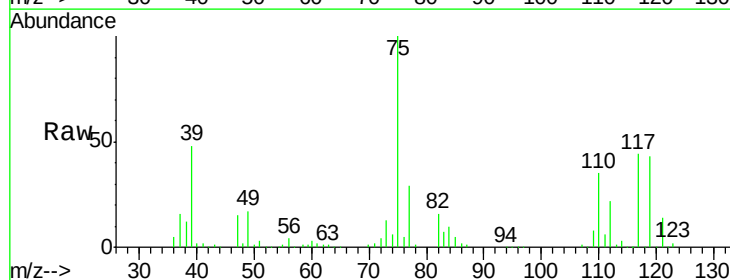
Manual Integrations
 APPROVED

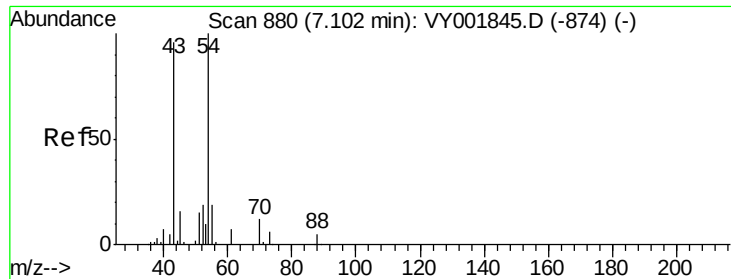
MMDadoda
 3/5/2020 1:37:09 PM



#36
 1,1-Dichloropropene
 Concen: 52.777 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	30.2	24.2	36.2





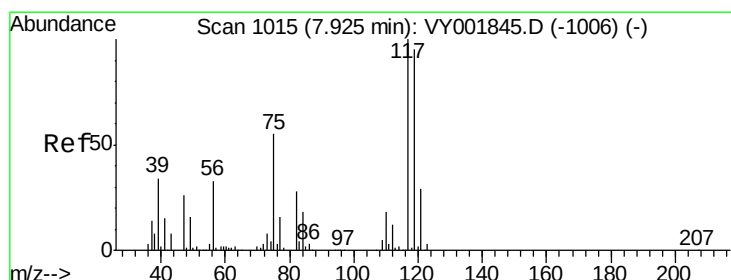
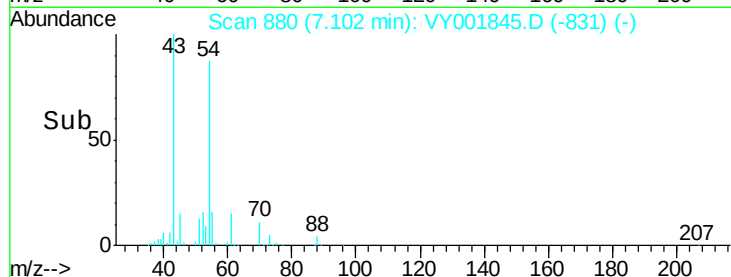
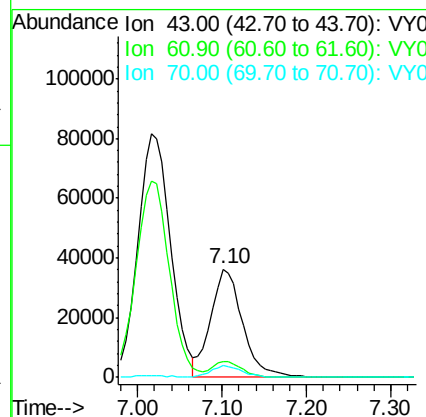
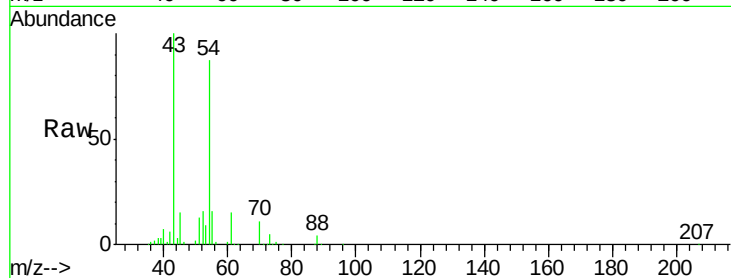
#37
Ethyl Acetate
Concen: 52.327 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.3	8.2	12.4

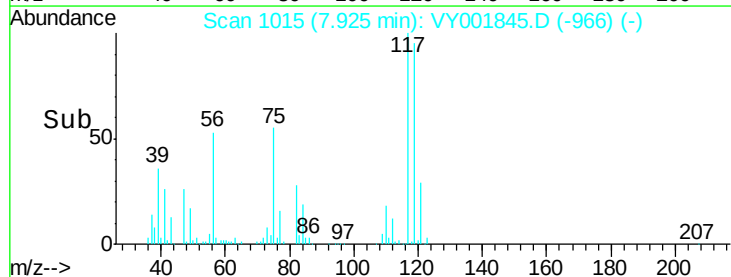
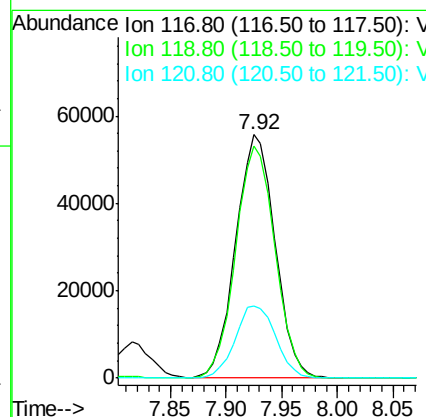
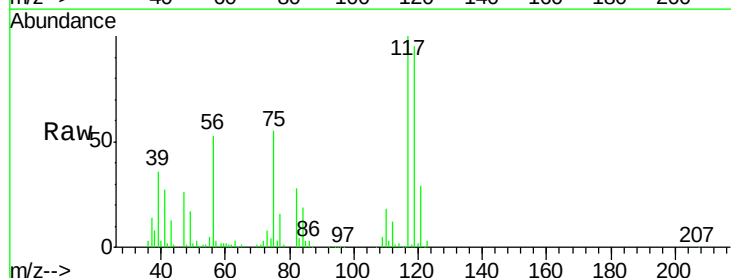
Manual Integrations
APPROVED

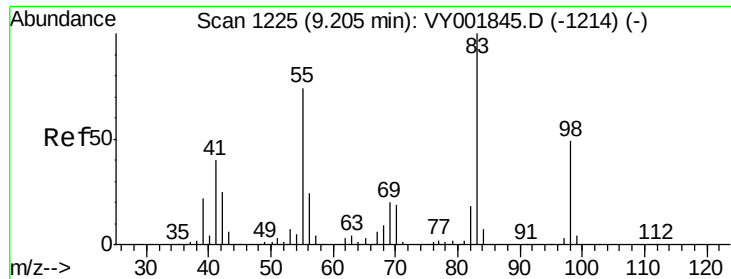
MMDadoda
3/5/2020 1:37:09 PM



#38
Carbon Tetrachloride
Concen: 52.248 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	29.4	23.5	35.3





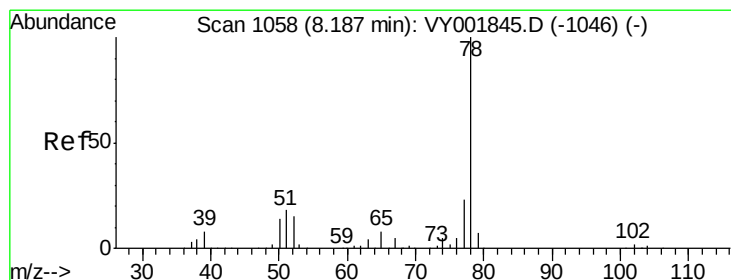
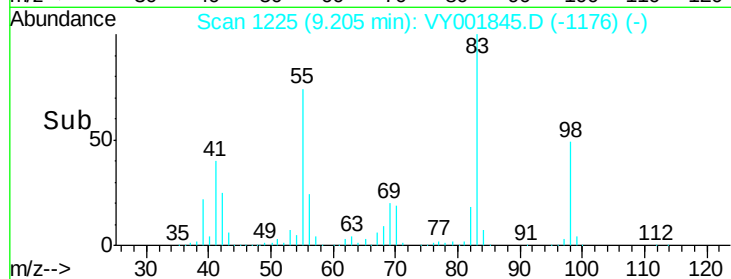
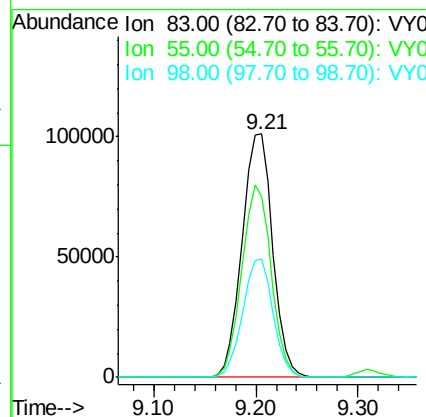
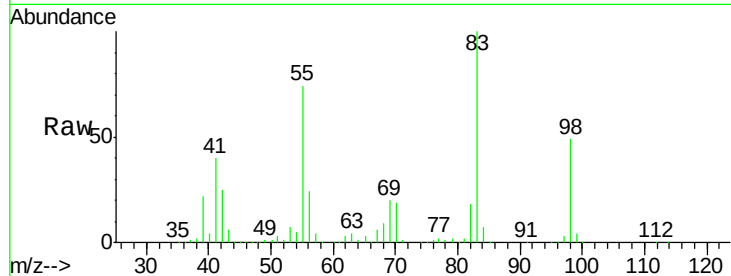
#39
Methylvlcyclohexane
Concen: 51.514 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.4	89.0
98	48.6	38.9	58.3

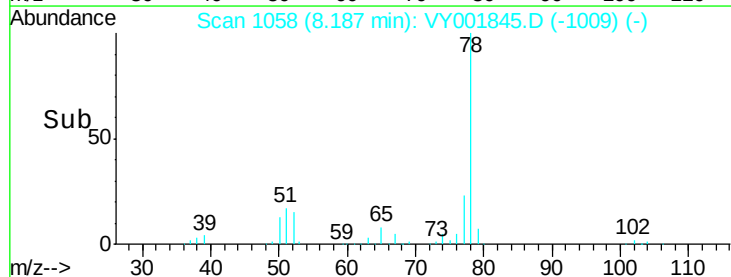
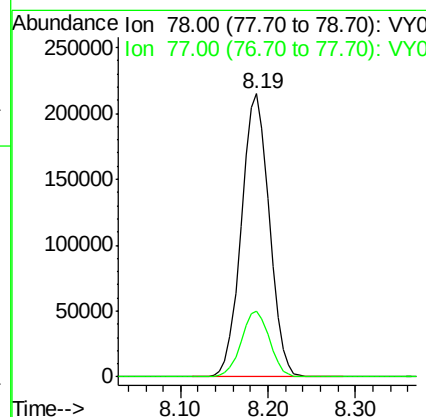
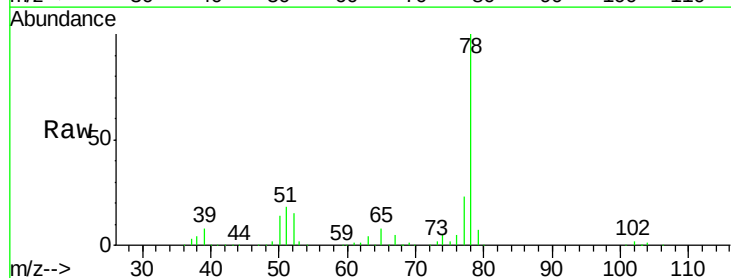
Manual Integrations
APPROVED

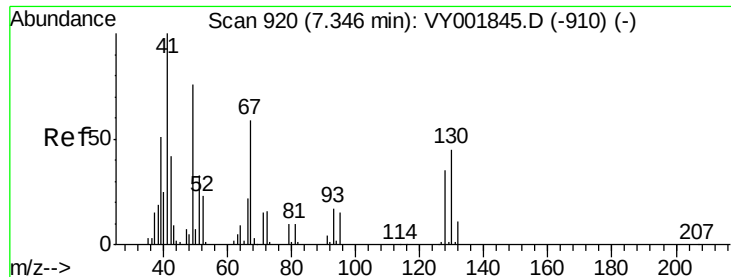
MMDadoda
3/5/2020 1:37:09 PM



#40
Benzene
Concen: 52.391 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





#41

Methacrylonitrile

Concen: 18.932 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 40789

Ion Ratio Lower Upper

41 100

39 139.6 111.7 167.5

67 0.0 0.0 0.0

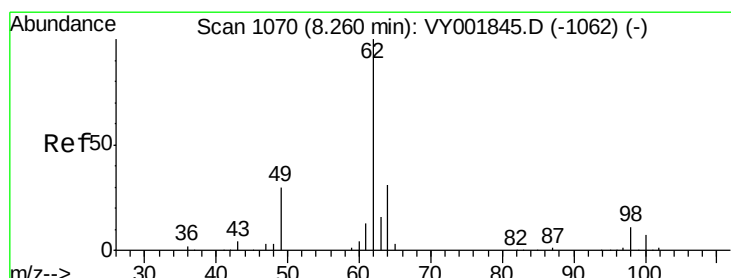
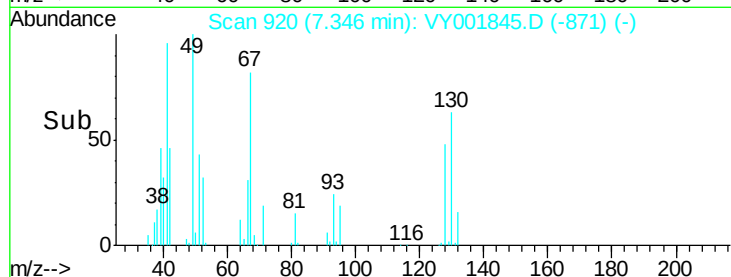
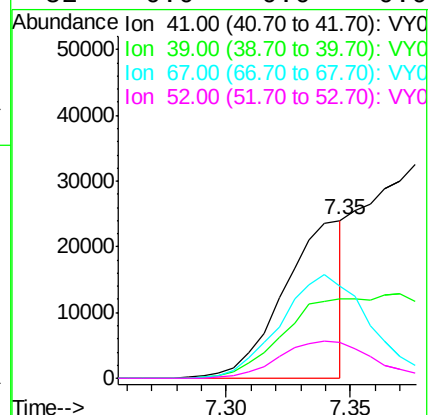
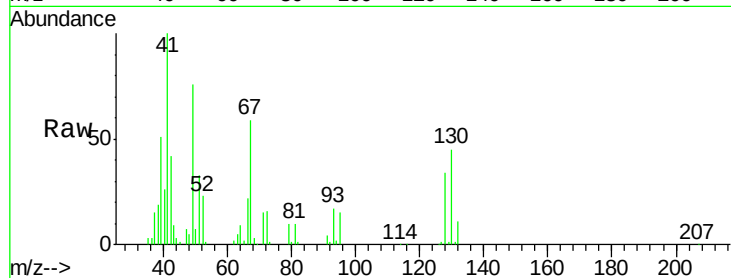
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#42

1,2-Dichloroethane

Concen: 52.862 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001845.D

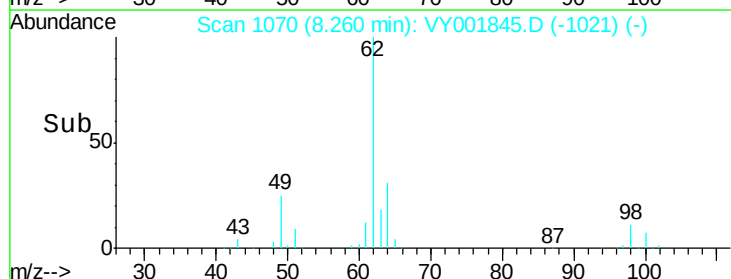
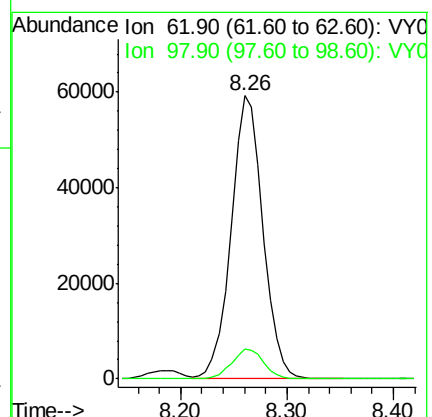
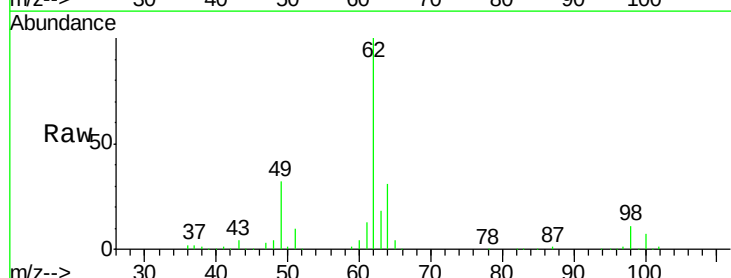
Acq: 04 Mar 2020 11:33

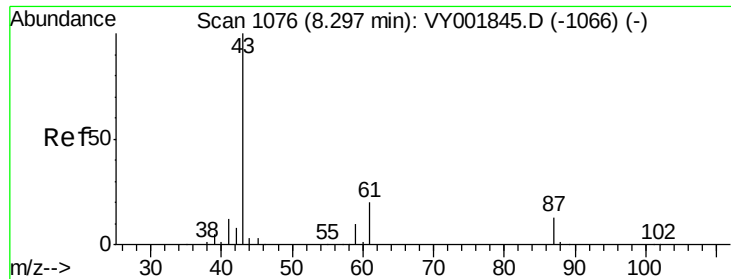
Tgt Ion: 62 Resp: 124001

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.4





#43

Isopropyl Acetate

Concen: 52.841 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

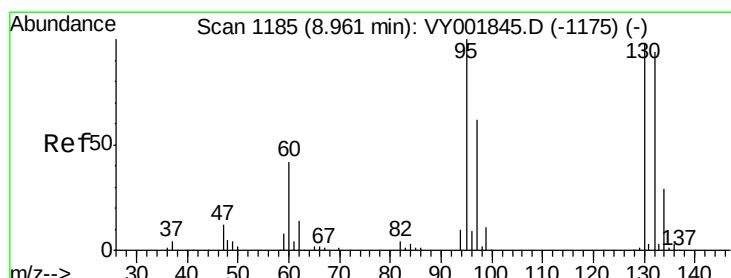
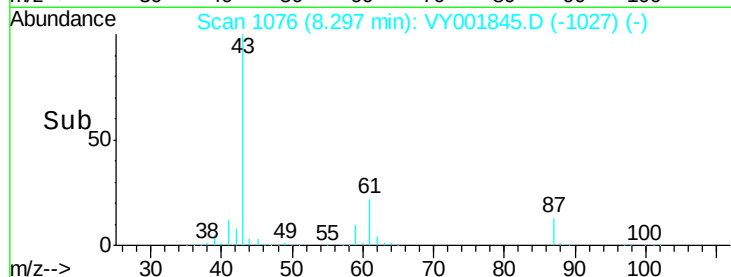
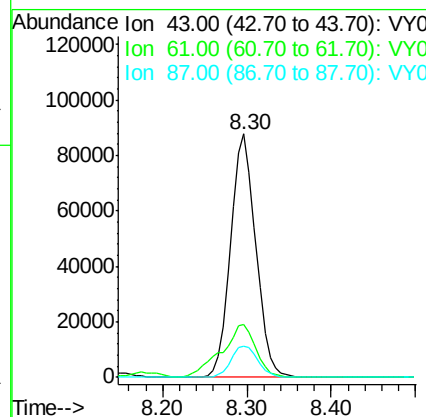
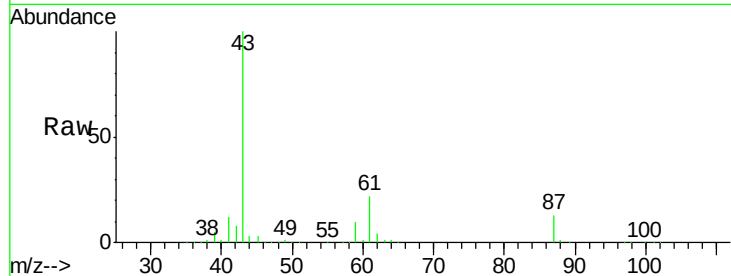
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	178945
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	13.6	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#44

Trichloroethene

Concen: 51.837 ug/l

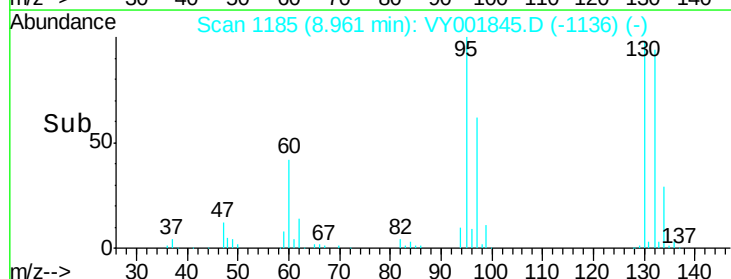
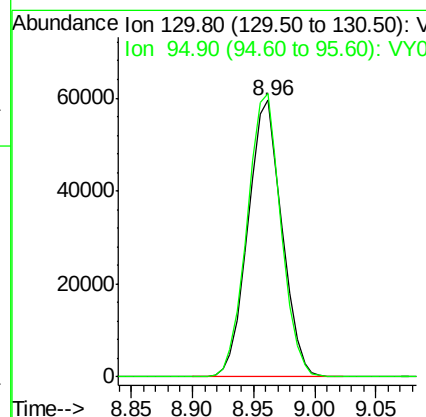
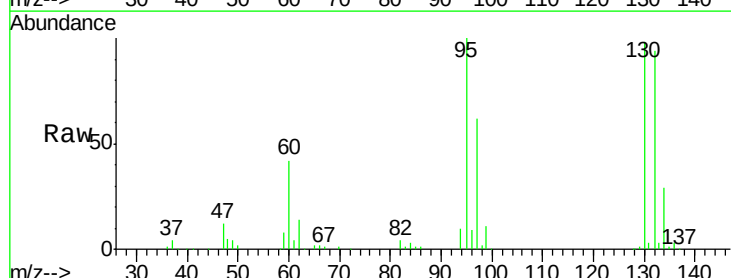
RT: 8.96 min Scan# 1185

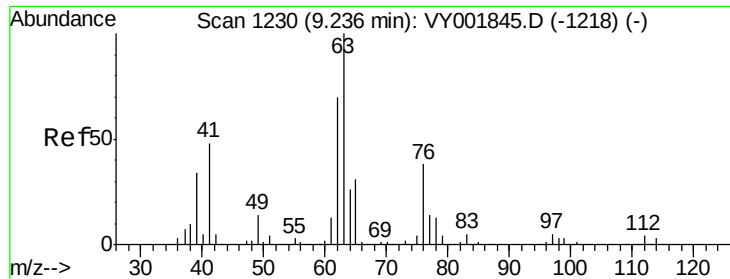
Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion:	130	Resp:	114991
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	204.6





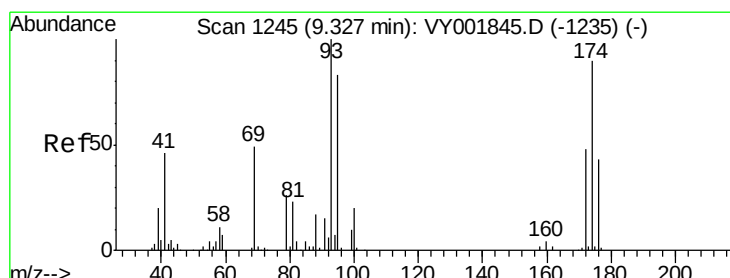
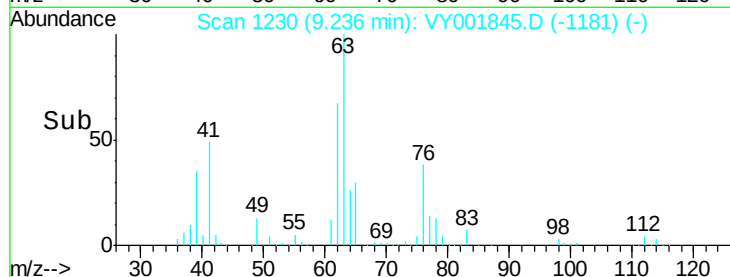
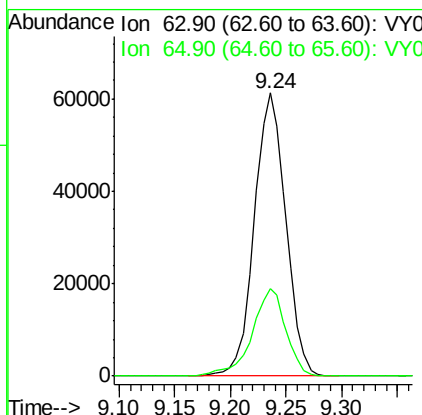
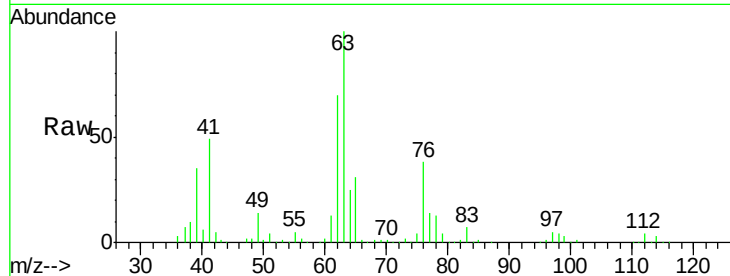
#45
 1,2-Dichloropropane
 Concen: 52.611 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

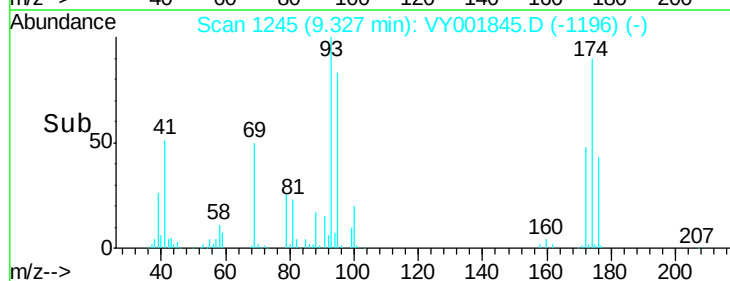
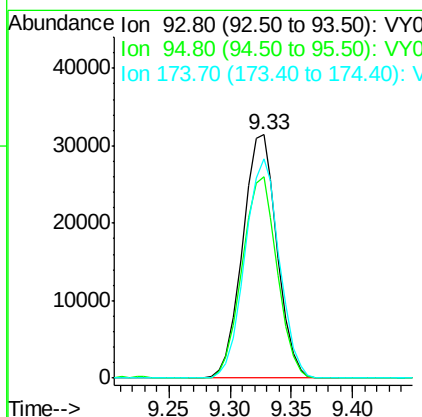
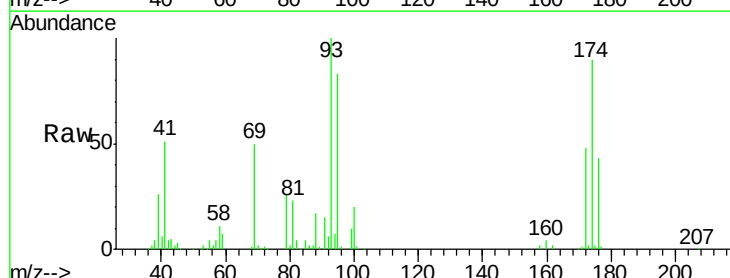
Manual Integrations
 APPROVED

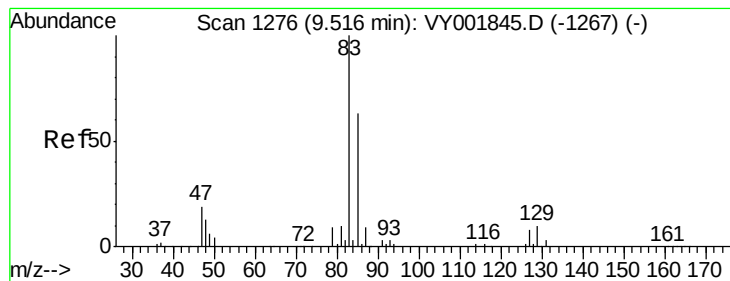
MMDadoda
 3/5/2020 1:37:09 PM



#46
 Dibromomethane
 Concen: 51.716 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	89.8	71.8	107.8





#47

Bromodichloromethane

Concen: 52.902 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

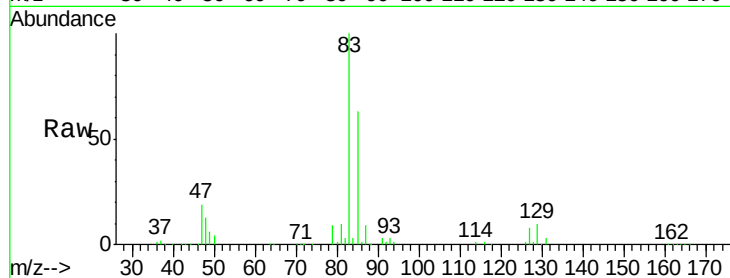
ClientSampleId :

VSTDICCC050

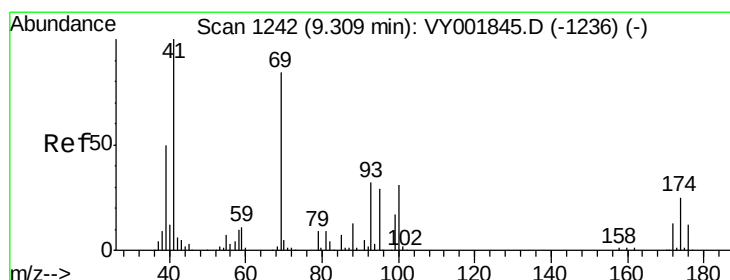
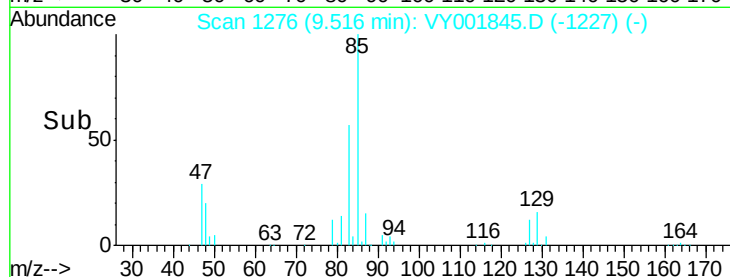
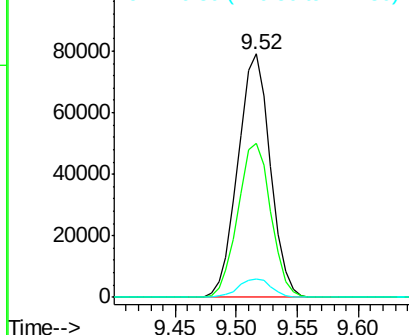
Tot Ion:	83	Resp:	145310
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	7.8	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



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): V



#48

Methyl methacrylate

Concen: 53.926 ug/l

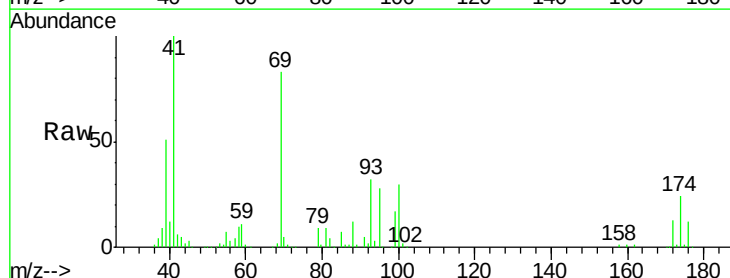
RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

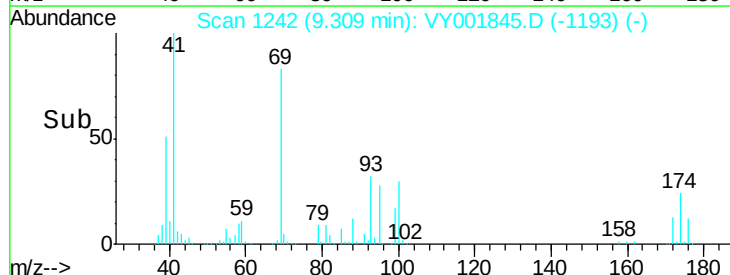
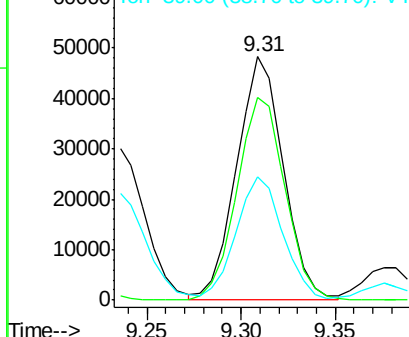
Lab File: VY001845.D

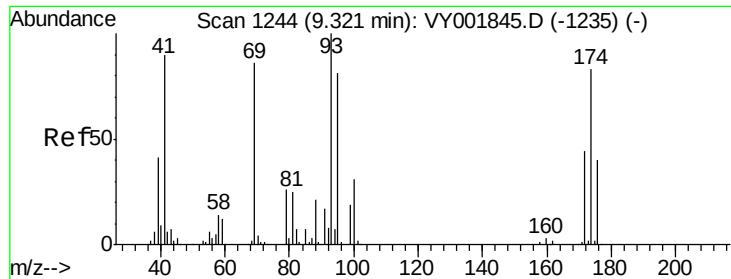
Acq: 04 Mar 2020 11:33

Tgt Ion:	41	Resp:	82760
Ion	Ratio	Lower	Upper
41	100		
69	86.3	69.0	103.6
39	48.9	39.1	58.7



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





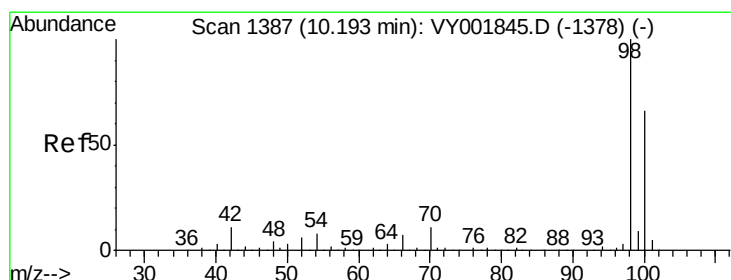
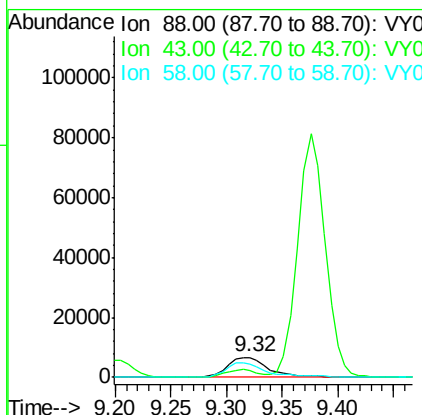
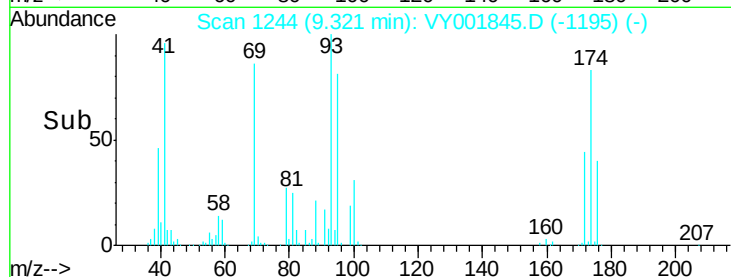
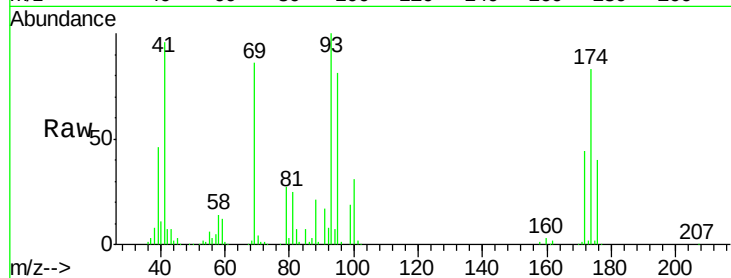
#49
1,4-Dioxane
Concen: 1099.529 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	17228
Ion	Ratio	Lower	Upper
88	100		
43	31.3	25.0	37.6
58	73.6	58.9	88.3

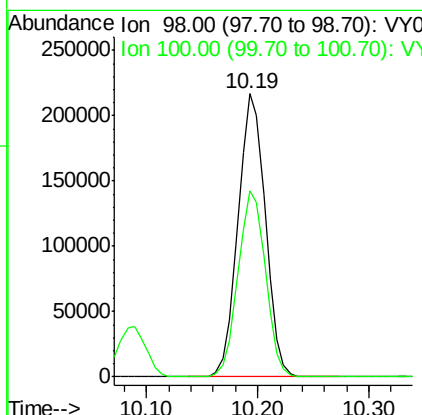
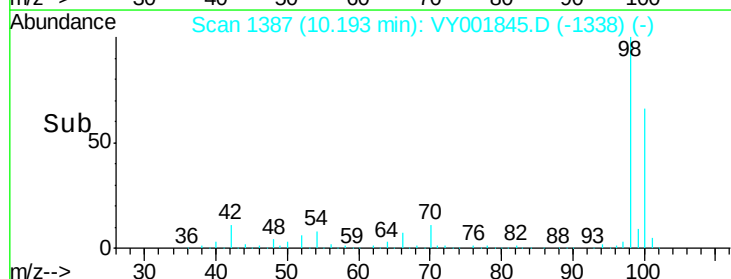
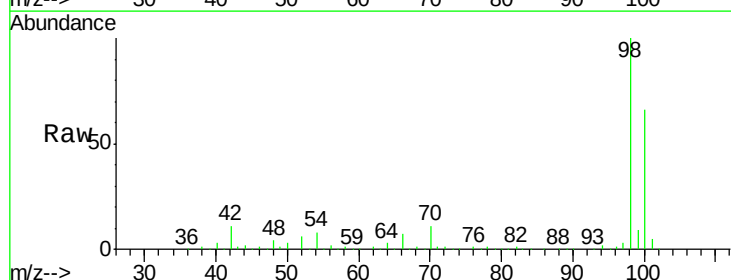
Manual Integrations
APPROVED

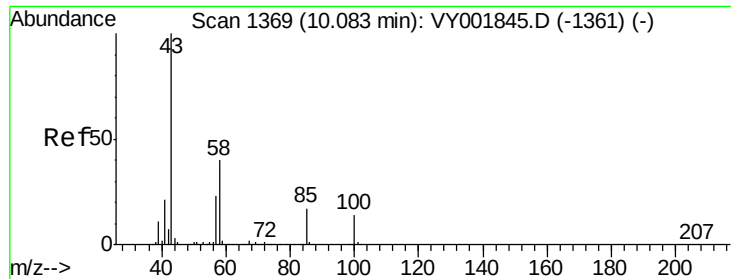
MMDadoda
3/5/2020 1:37:09 PM



#50
Toluene-d8
Concen: 49.154 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	98	Resp	368057
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





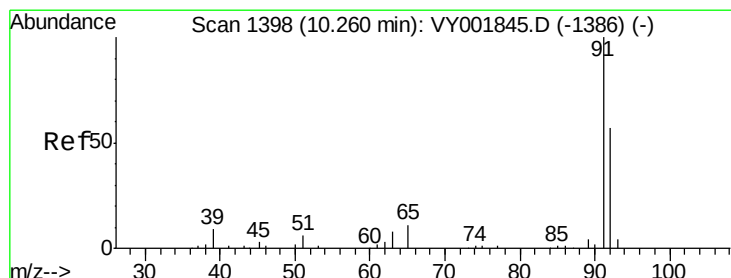
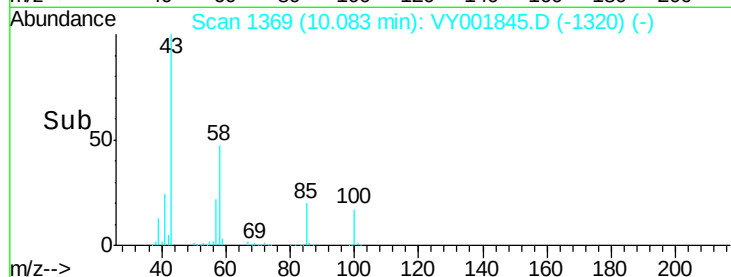
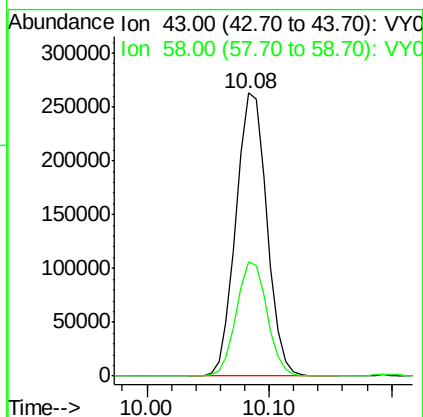
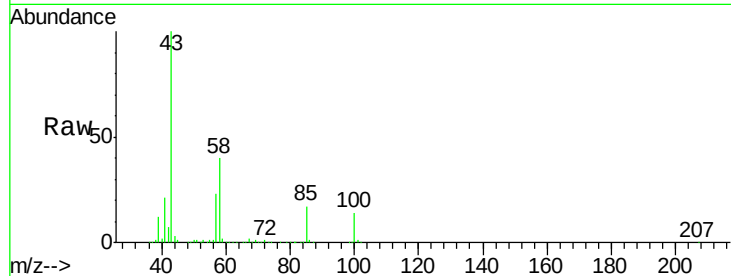
#51
4-Methyl-2-Pentanone
Concen: 264.414 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 461430
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

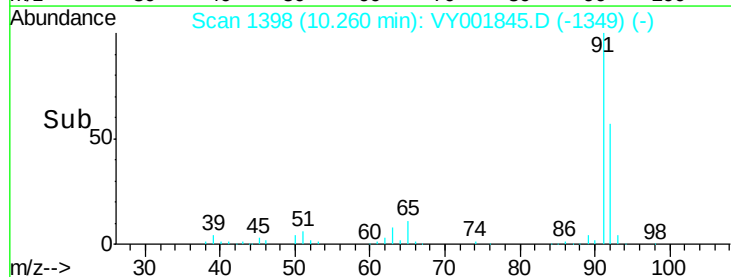
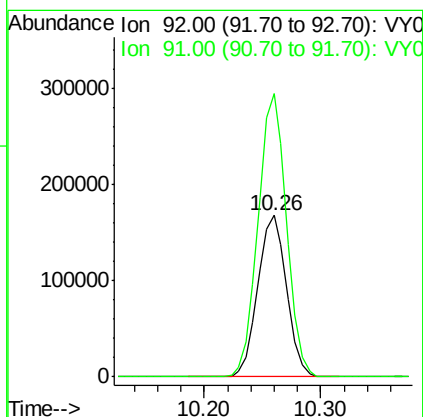
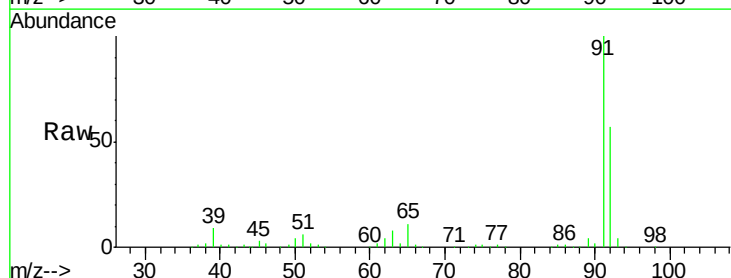
Manual Integrations
APPROVED

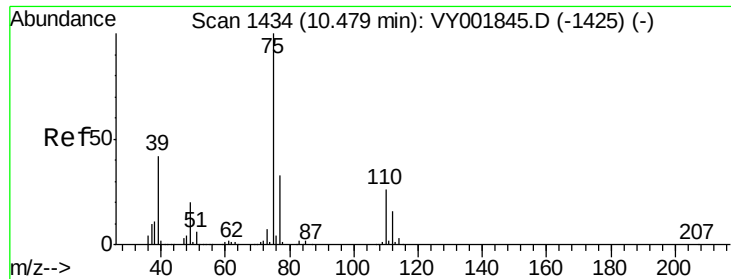
MMDadoda
3/5/2020 1:37:09 PM



#52
Toluene
Concen: 52.469 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 92 Resp: 289130
Ion Ratio Lower Upper
92 100
91 173.3 138.6 208.0





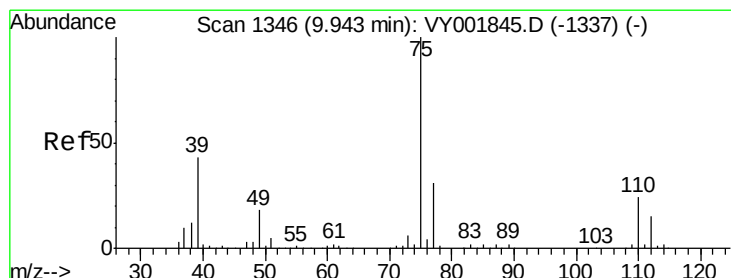
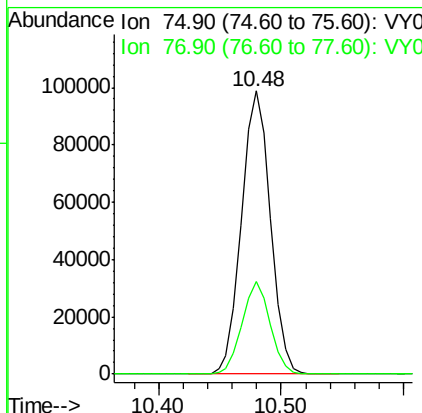
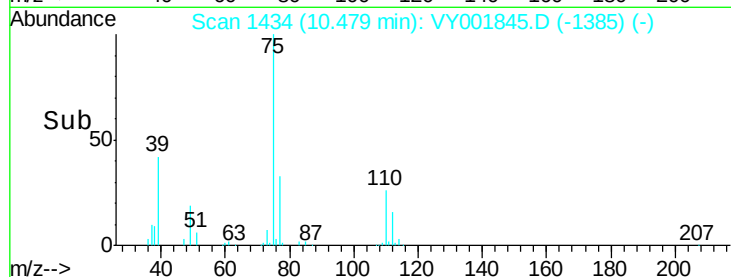
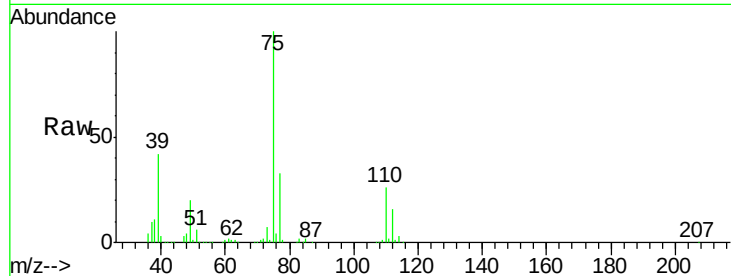
#53
t-1,3-Dichloropropene
Concen: 53.905 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 161706
Ion Ratio Lower Upper
75 100
77 32.9 26.3 39.5

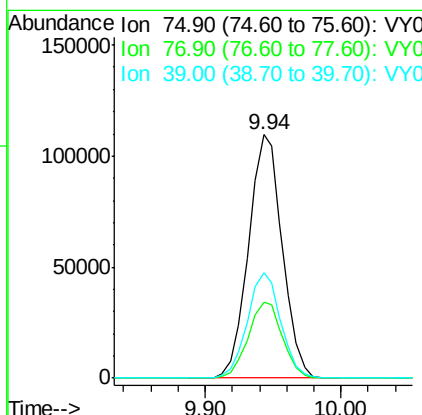
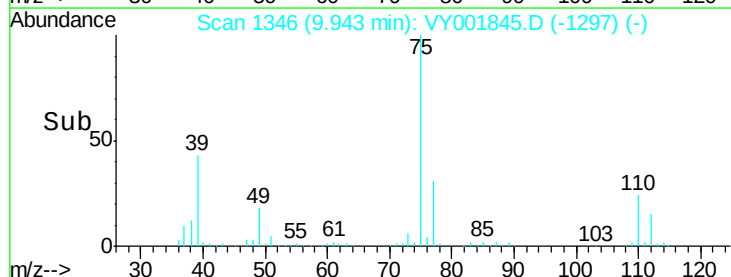
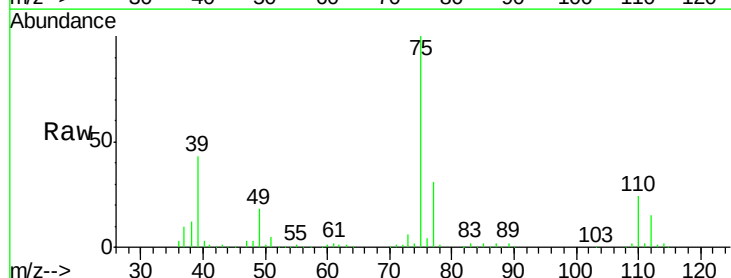
Manual Integrations
APPROVED

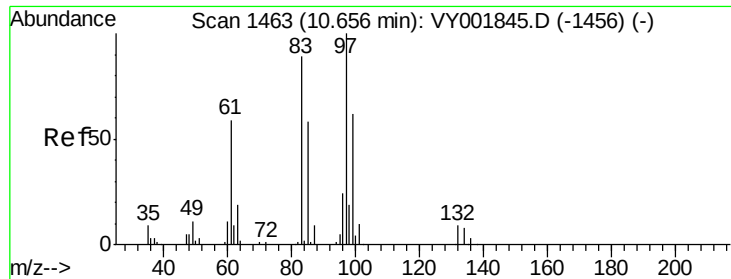
MMDadoda
3/5/2020 1:37:09 PM



#54
cis-1,3-Dichloropropene
Concen: 53.184 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 75 Resp: 190151
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 43.4 34.7 52.1





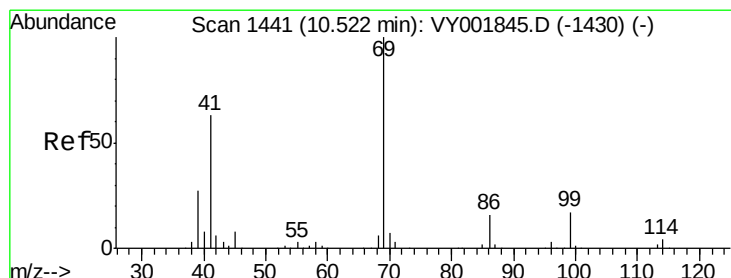
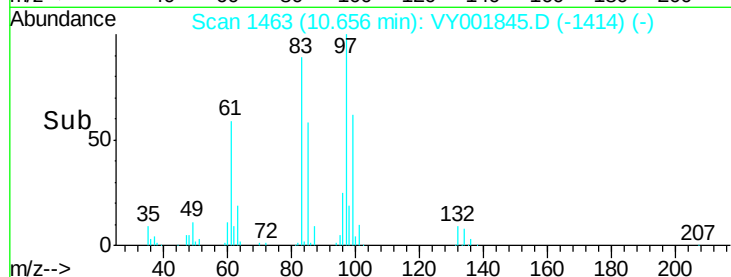
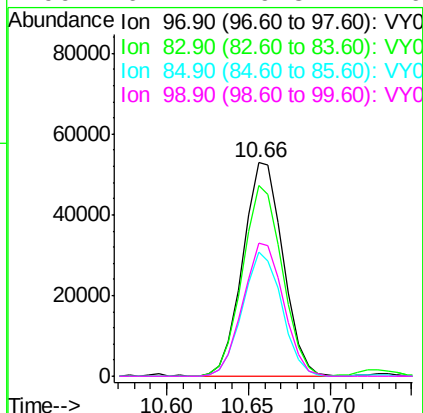
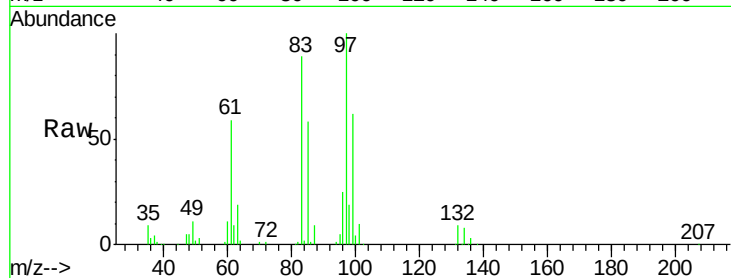
#55
1,1,2-Trichloroethane
Concen: 52.414 ug/l
RT: 10.66 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:	97	Resp:	90878
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.6	107.4
85	58.2	46.6	69.8
99	62.2	49.8	74.6

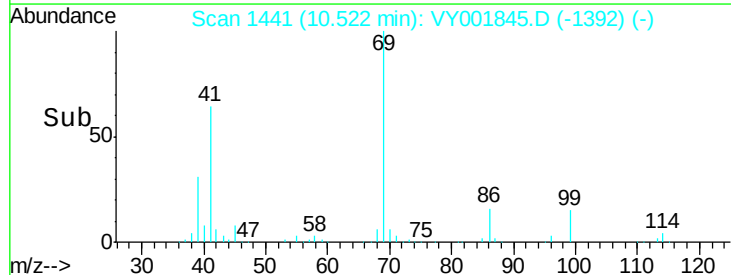
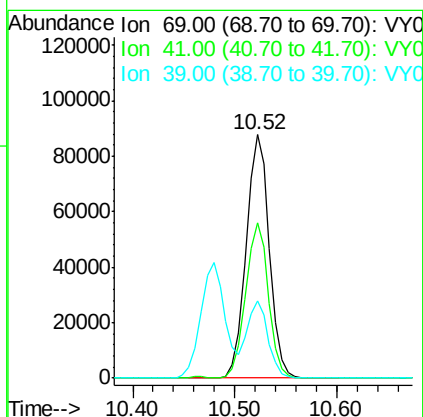
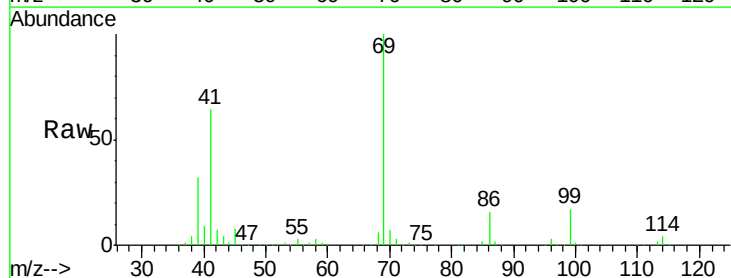
Manual Integrations
APPROVED

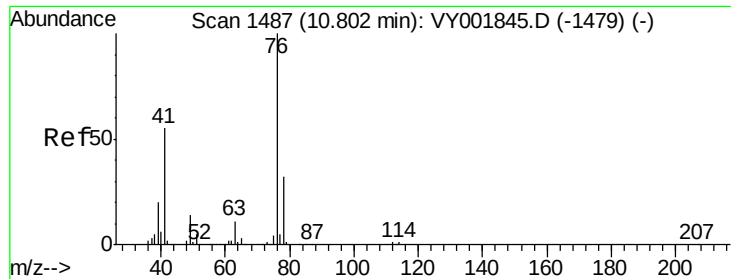
MMDadoda
3/5/2020 1:37:09 PM



#56
Ethyl methacrylate
Concen: 54.401 ug/l
RT: 10.52 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion:	69	Resp:	137447
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.9	74.9
39	28.8	23.0	34.6





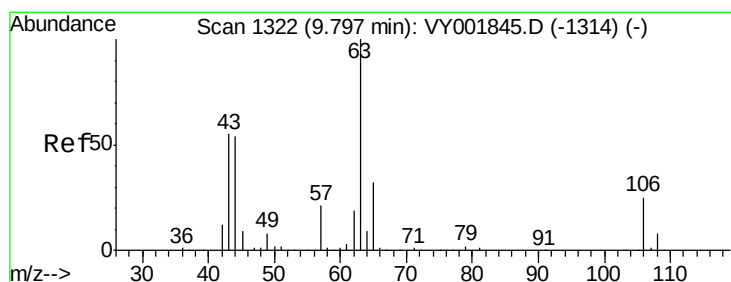
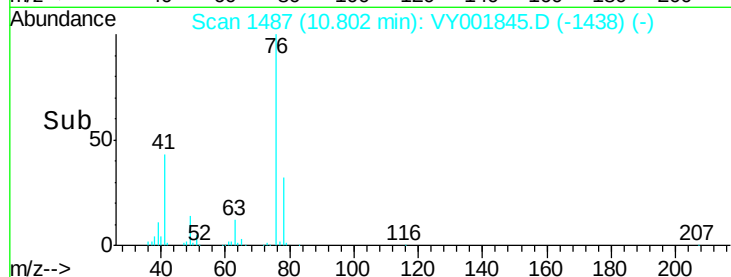
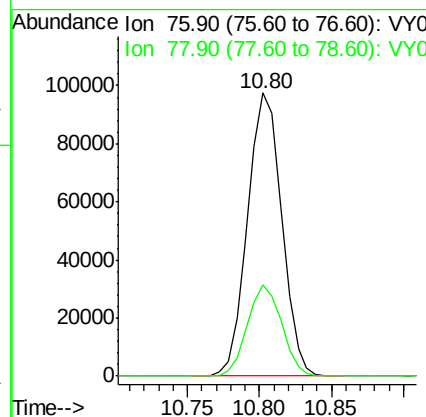
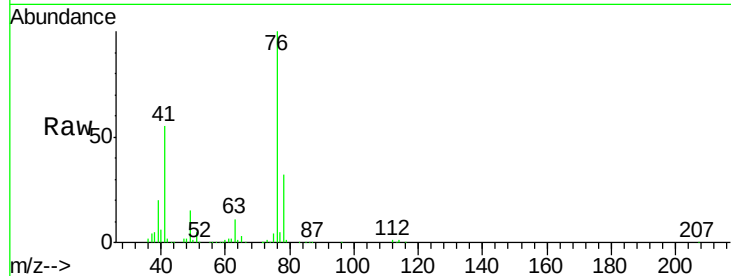
#57
 1,3-Dichloropropane
 Concen: 52.178 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

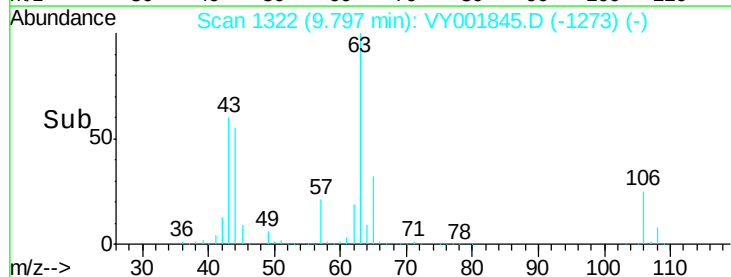
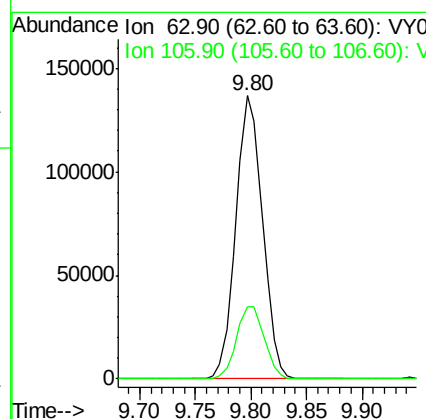
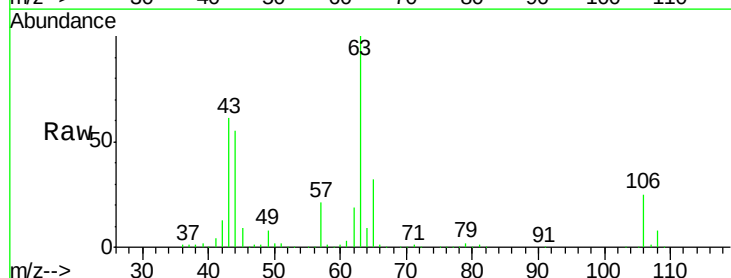
Manual Integrations
 APPROVED

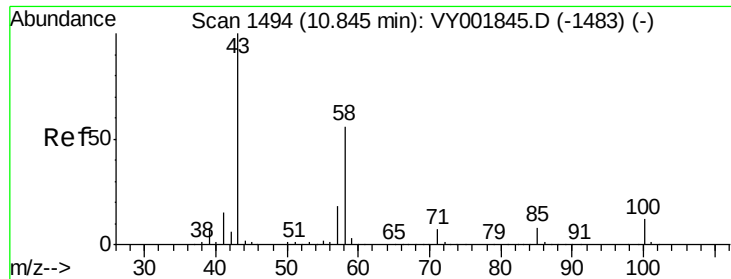
MMDadoda
 3/5/2020 1:37:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.698 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





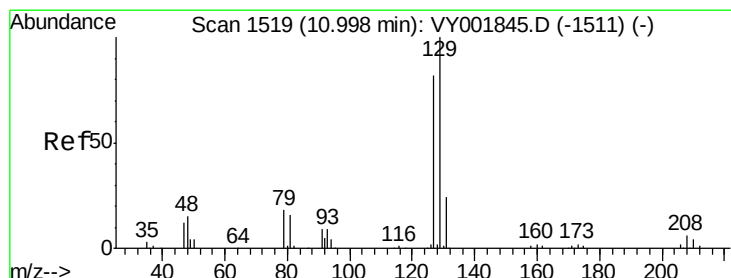
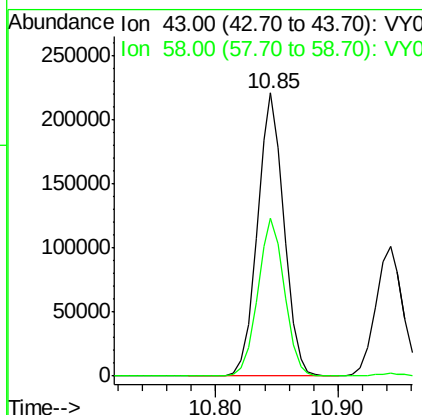
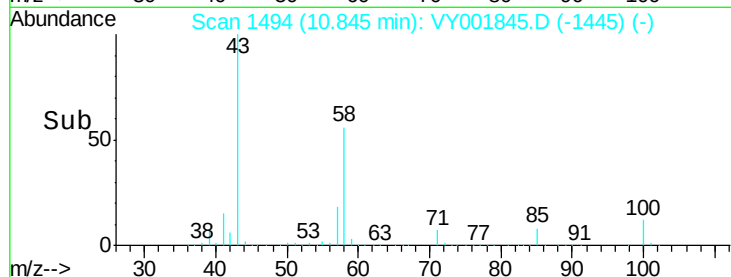
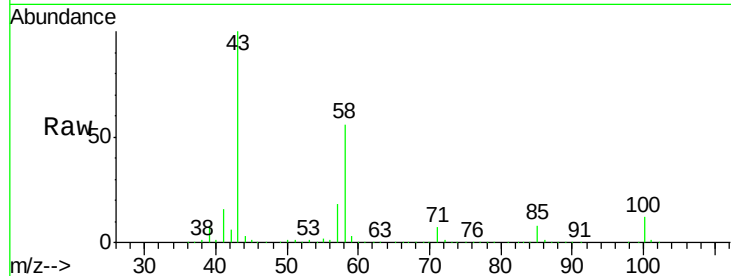
#59
2-Hexanone
Concen: 268.111 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 332672
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3

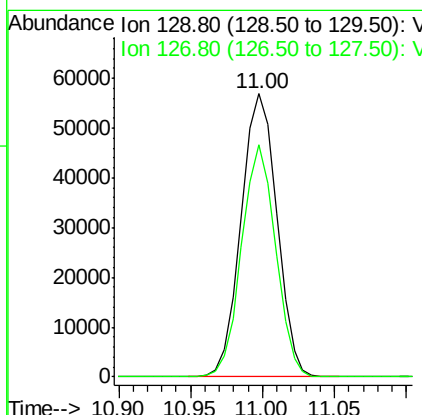
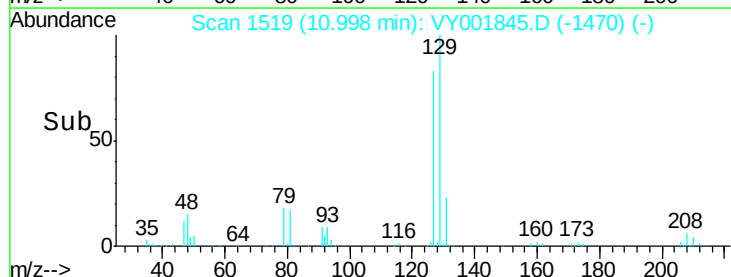
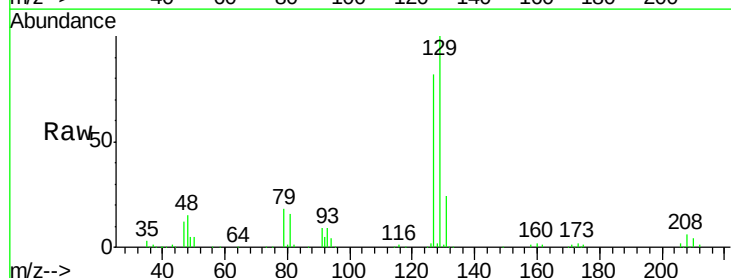
Manual Integrations
APPROVED

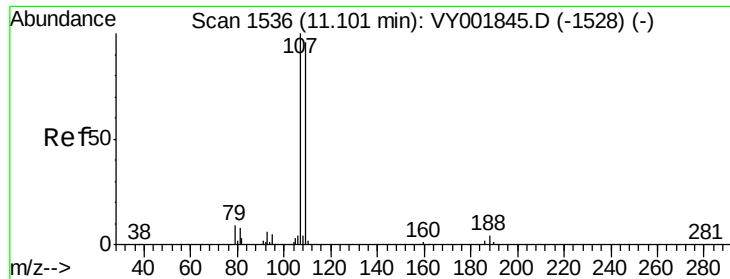
MMDadoda
3/5/2020 1:37:09 PM



#60
Dibromochloromethane
Concen: 53.742 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 129 Resp: 97930
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





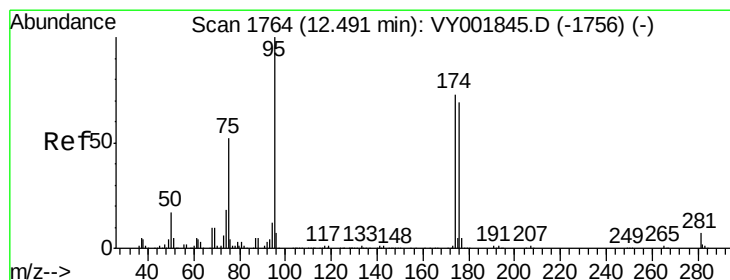
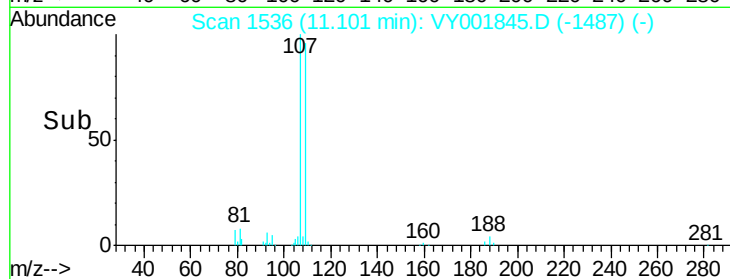
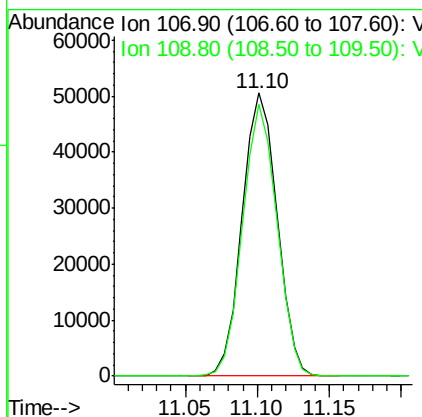
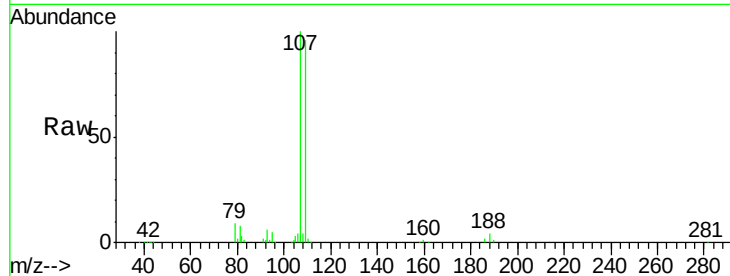
#61
 1,2-Dibromoethane
 Concen: 52.523 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 85111
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0

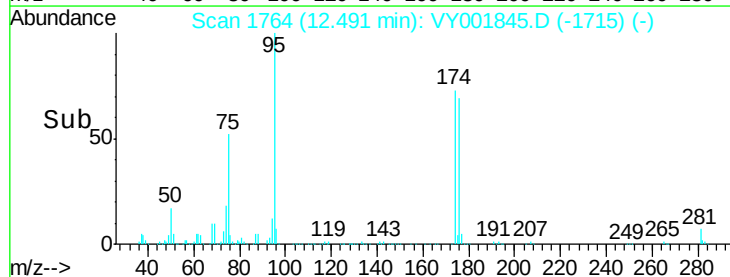
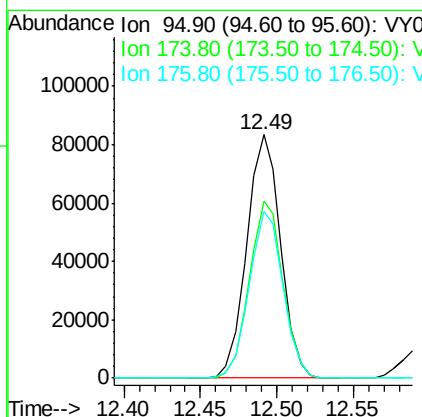
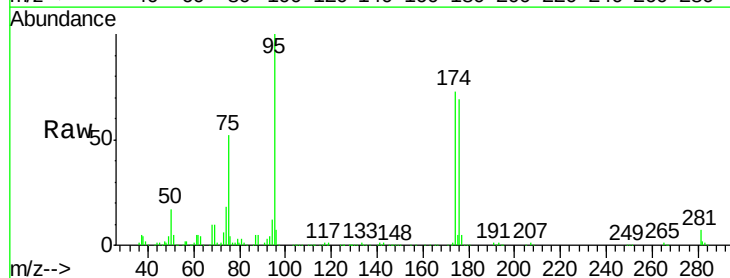
Manual Integrations
 APPROVED

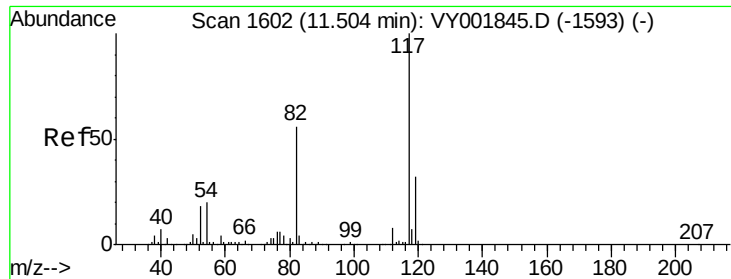
MMDadoda
 3/5/2020 1:37:09 PM



#62
 4-Bromofluorobenzene
 Concen: 49.128 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion: 95 Resp: 127654
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 145.0
 176 68.7 0.0 137.4





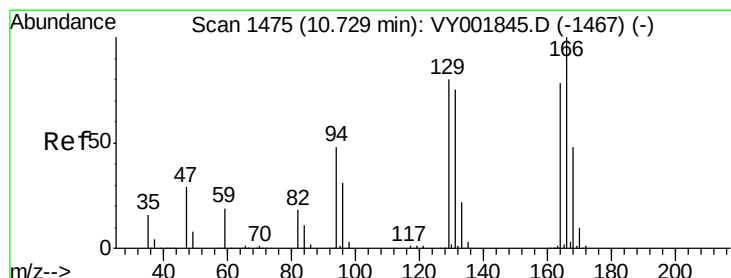
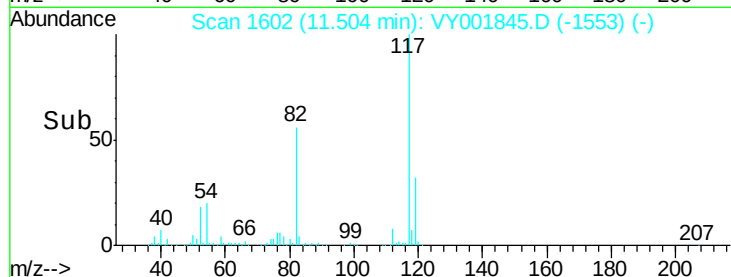
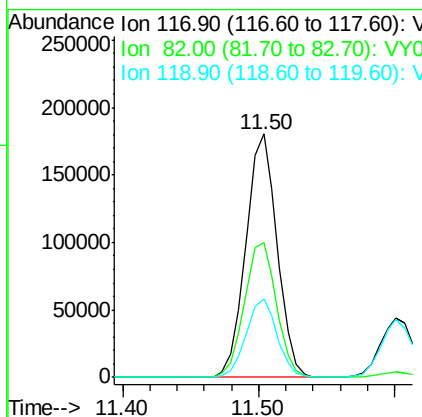
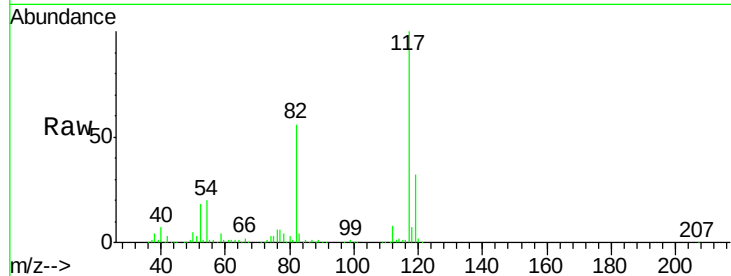
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289609		
82	55.6		44.5	66.7
119	32.1		25.7	38.5

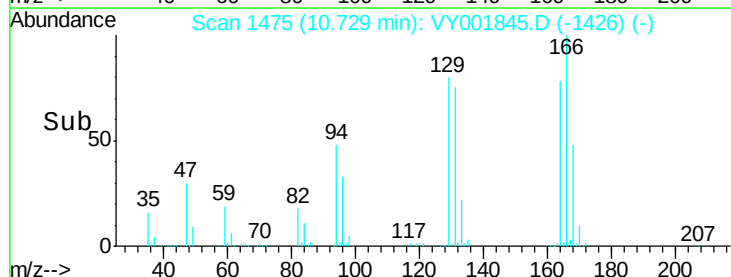
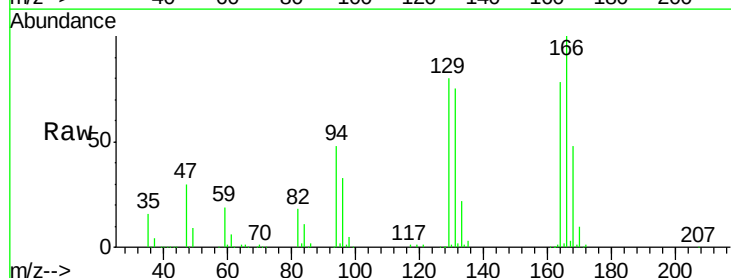
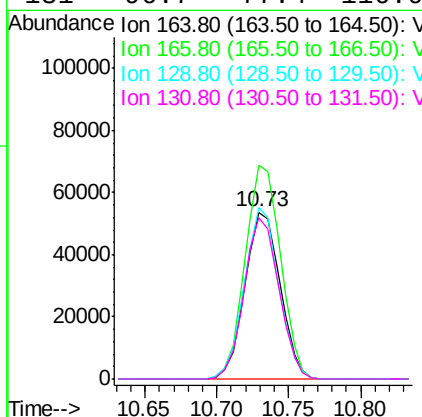
Manual Integrations
APPROVED

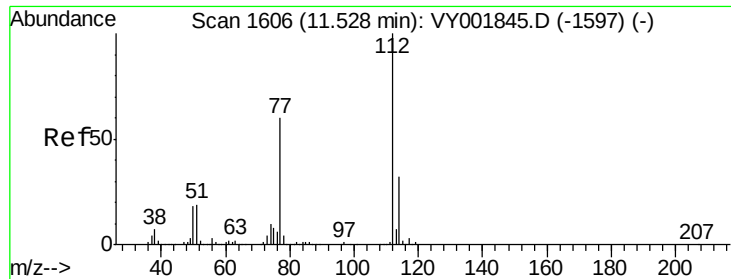
MMDadoda
3/5/2020 1:37:09 PM



#64
Tetrachloroethene
Concen: 50.738 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90642		
166	128.3		102.6	154.0
129	102.9		82.3	123.5
131	96.7		77.4	116.0





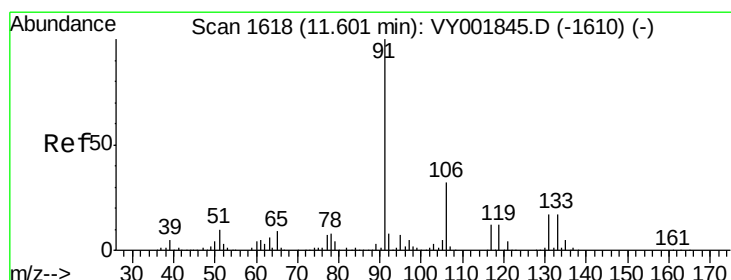
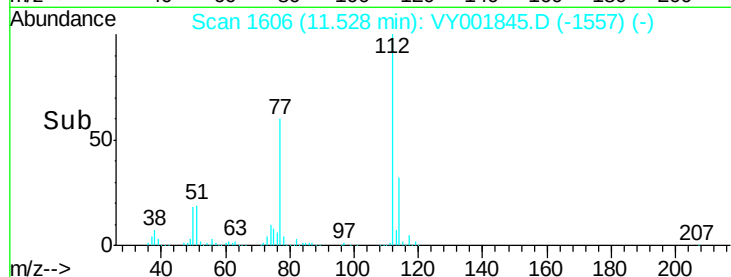
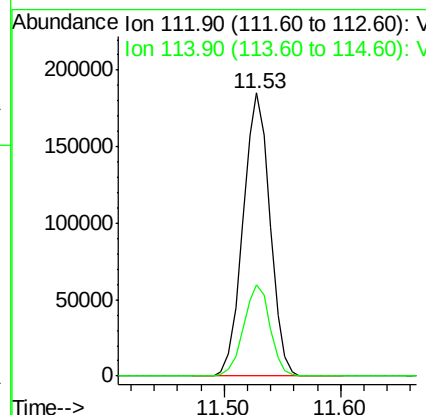
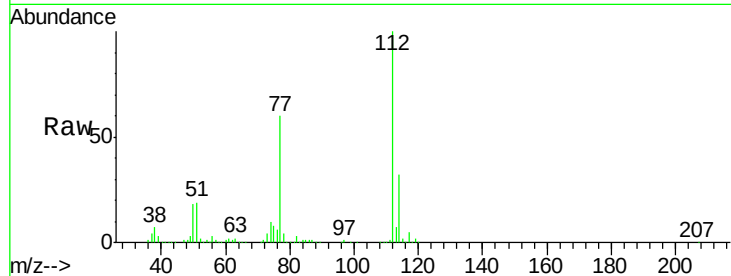
#65
Chlorobenzene
Concen: 52.722 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

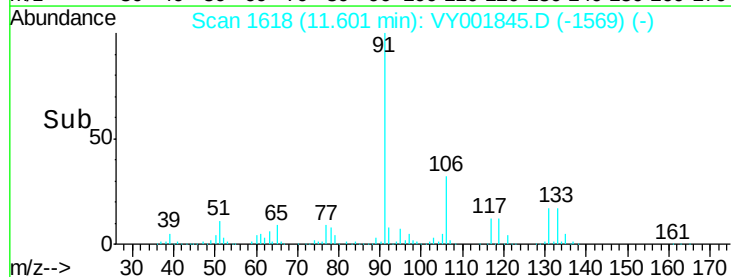
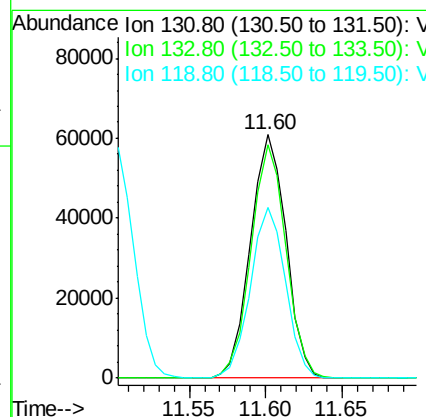
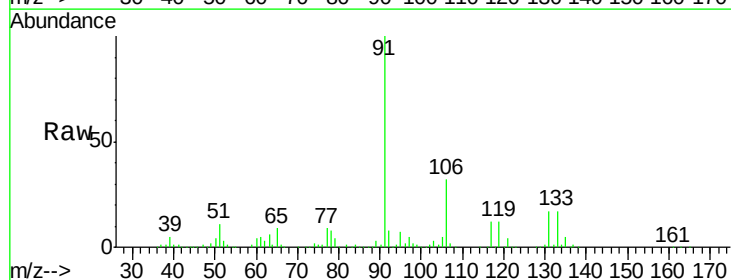
Manual Integrations
APPROVED

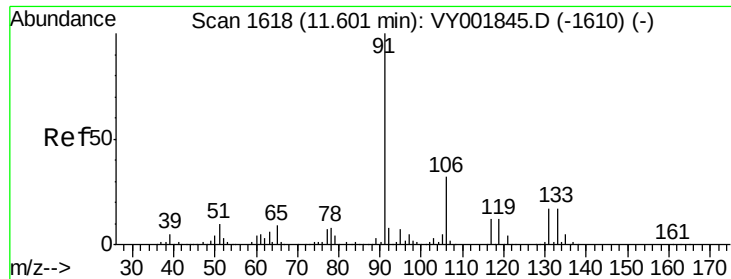
MMDadoda
3/5/2020 1:37:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.644 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.1	141.3
119	69.1	34.5	103.6





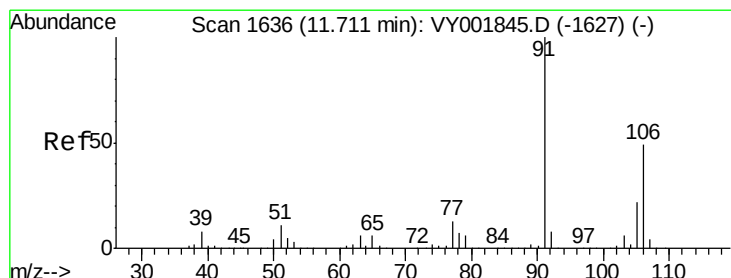
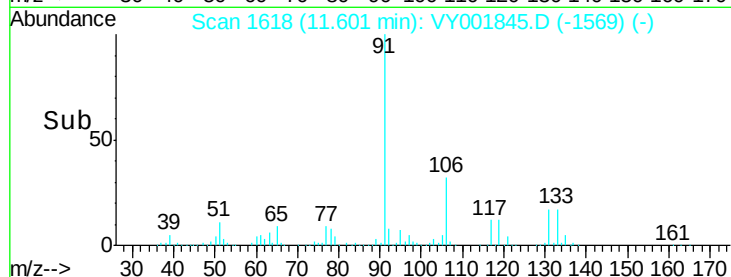
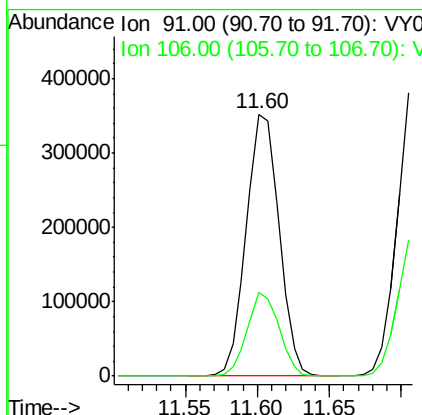
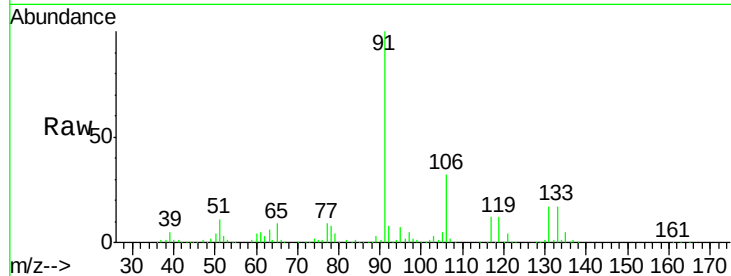
#67
Ethyl Benzene
Concen: 52.646 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 556205
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

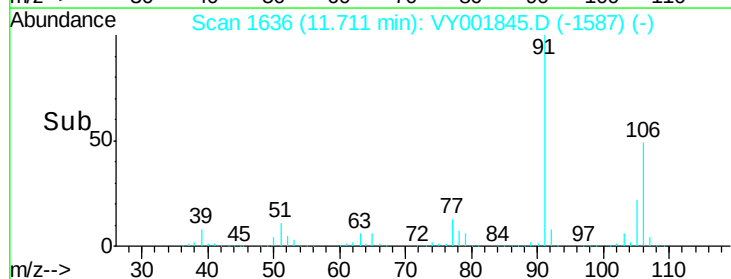
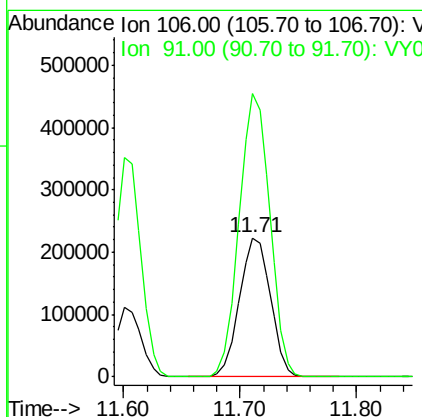
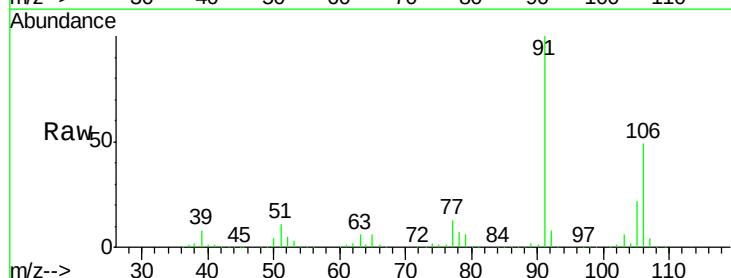
Manual Integrations
APPROVED

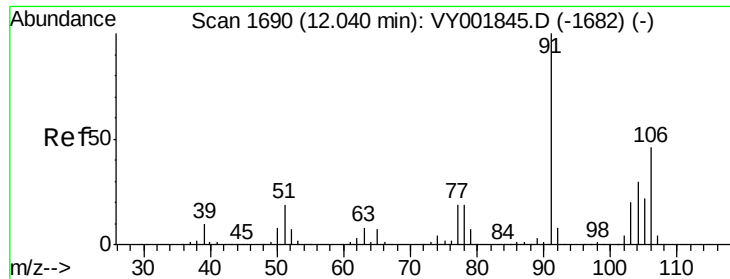
MMDadoda
3/5/2020 1:37:09 PM



#68
m/p-Xylenes
Concen: 106.077 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion: 106 Resp: 414755
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9





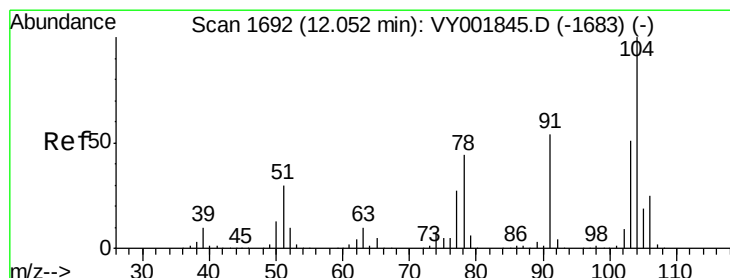
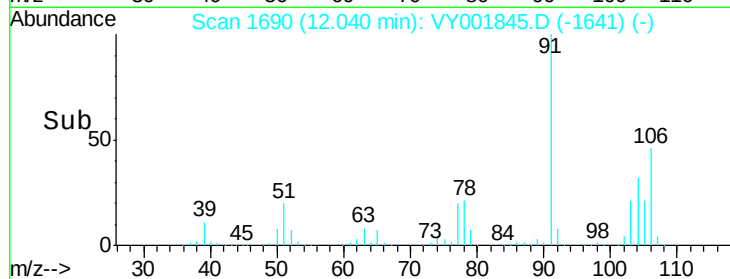
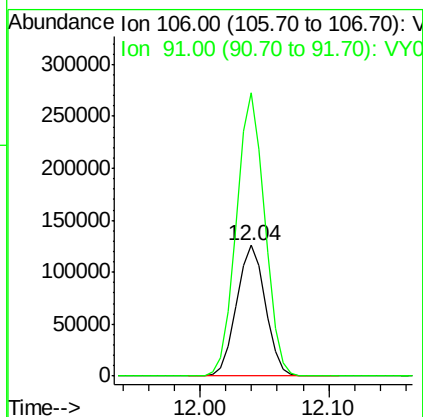
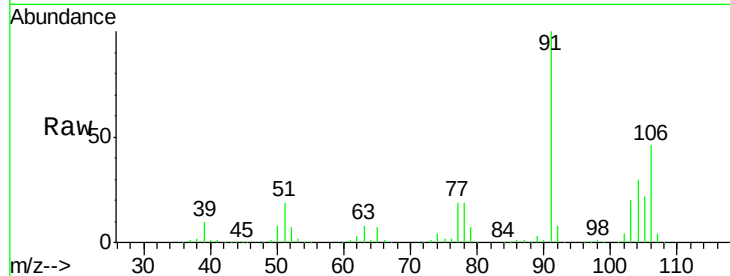
#69
o-Xylene
Concen: 52.914 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		194595		
91	213.6	106.8	320.4		

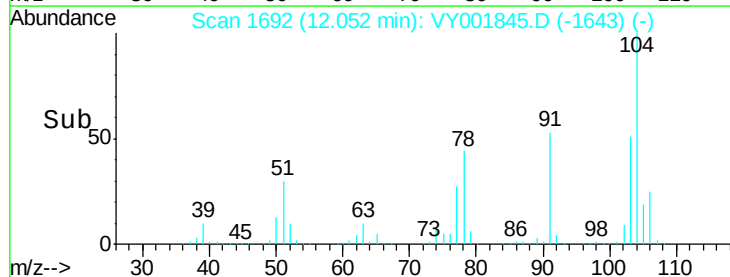
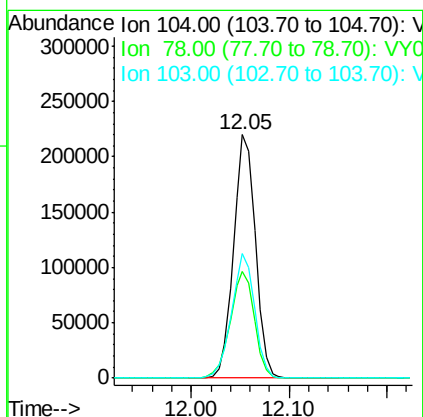
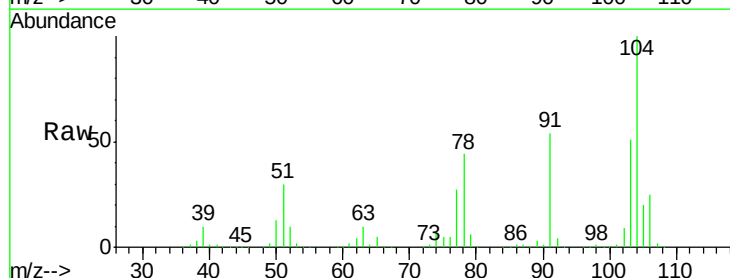
Manual Integrations
APPROVED

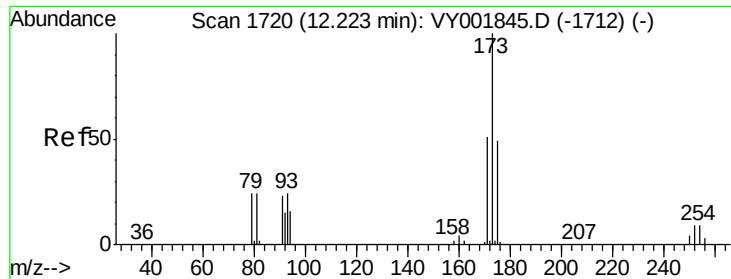
MMDadoda
3/5/2020 1:37:09 PM



#70
Styrene
Concen: 53.680 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		341462		
78	48.1	38.5	57.7		
103	53.6	42.9	64.3		





#71

Bromoform

Concen: 55.545 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 56023

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

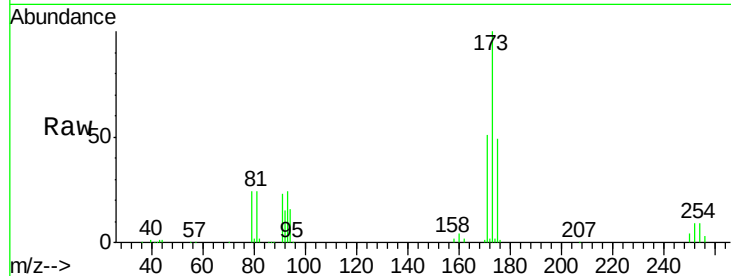
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

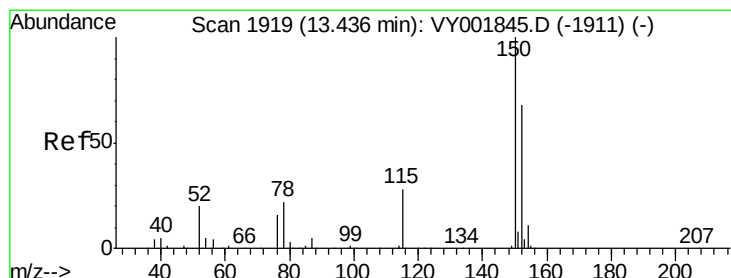
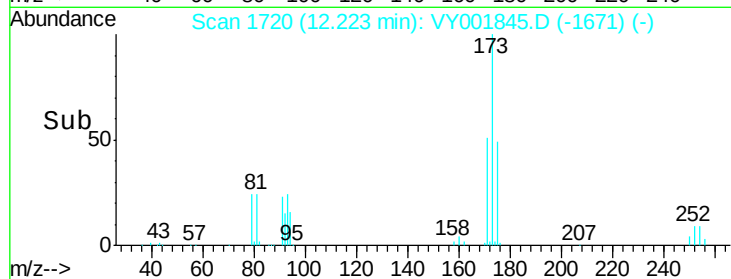
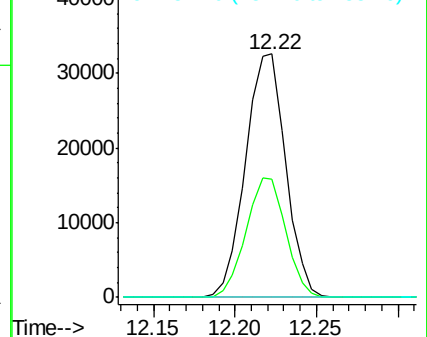
3/5/2020 1:37:09 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

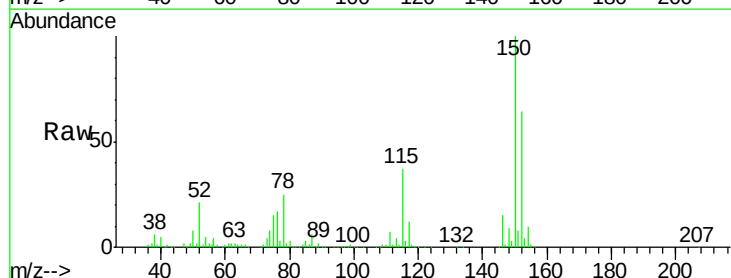
Tgt Ion:152 Resp: 137104

Ion Ratio Lower Upper

152 100

115 59.8 29.9 89.7

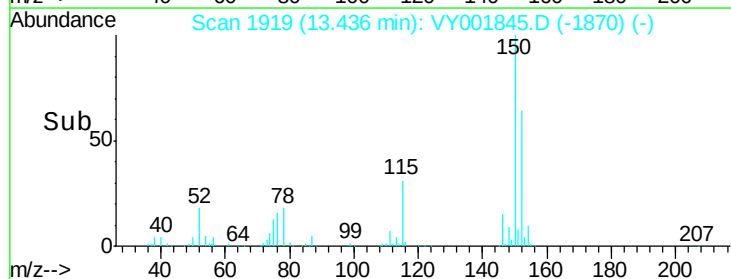
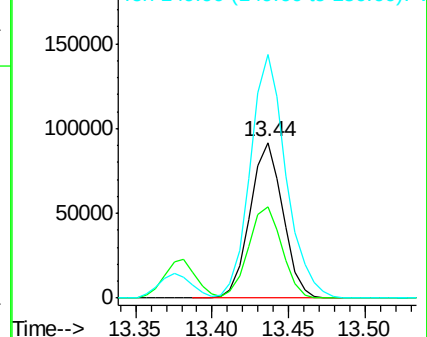
150 170.3 0.0 340.6

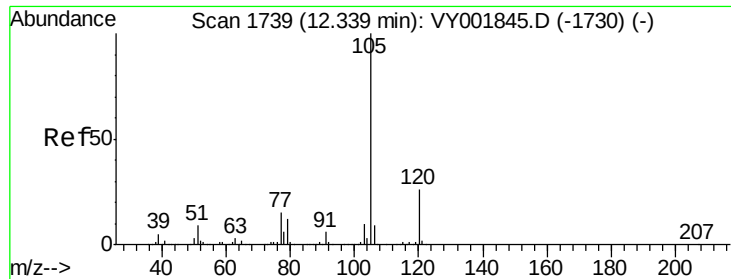


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.427 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 529498

Ion Ratio Lower Upper

105 100

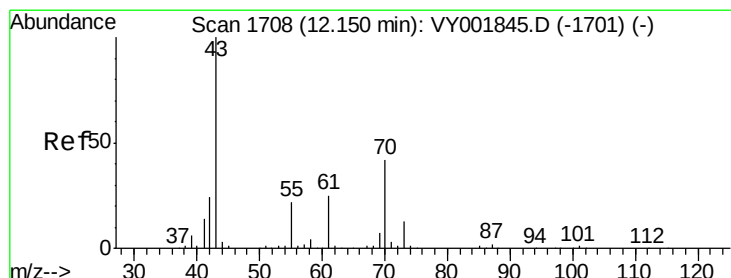
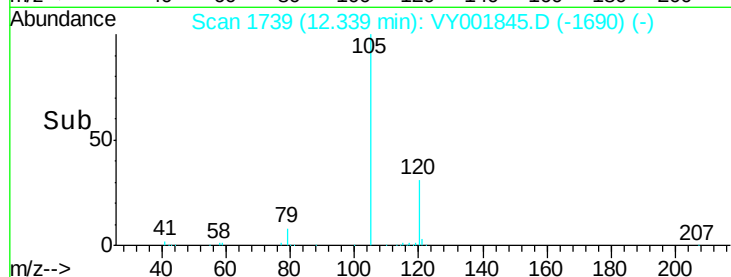
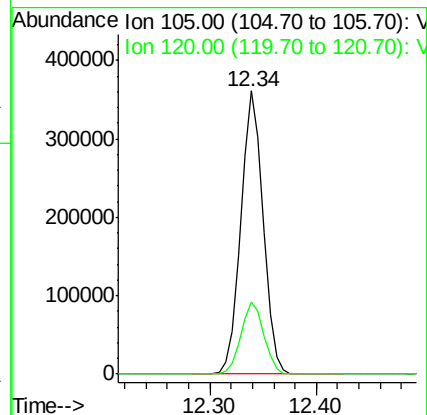
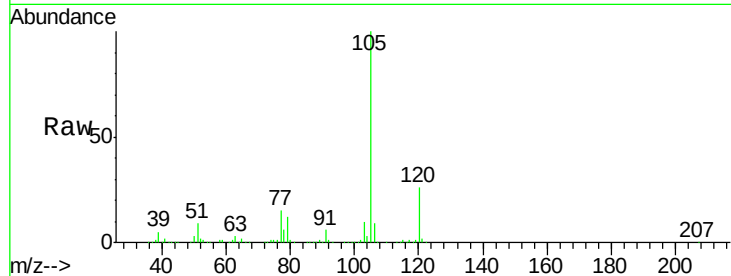
120 26.2 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#74

N-ethyl acetate

Concen: 52.265 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion: 43 Resp: 165013

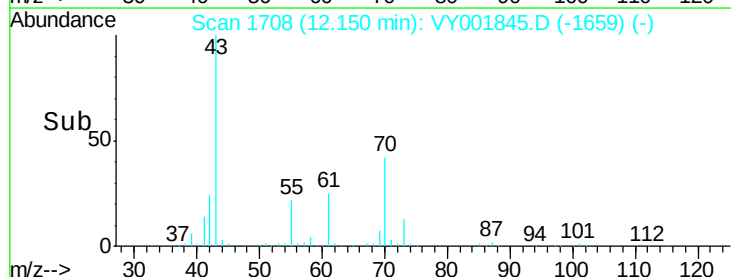
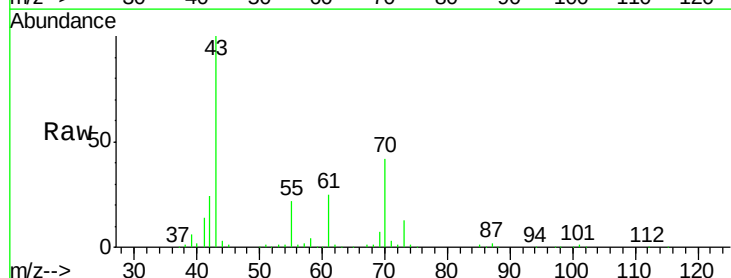
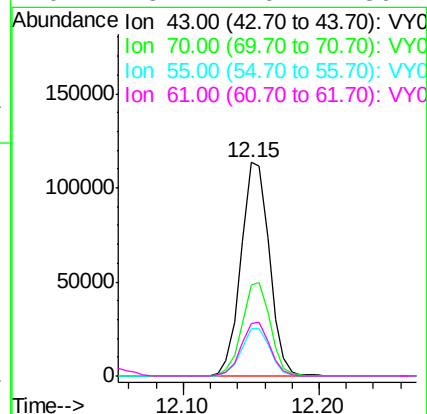
Ion Ratio Lower Upper

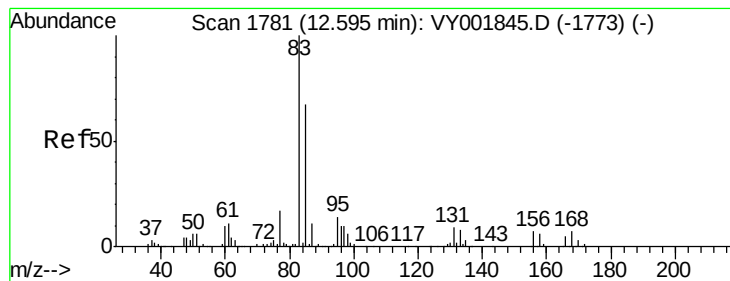
43 100

70 43.4 34.7 52.1

55 22.8 18.2 27.4

61 25.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.599 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 114525

Ion Ratio Lower Upper

83 100

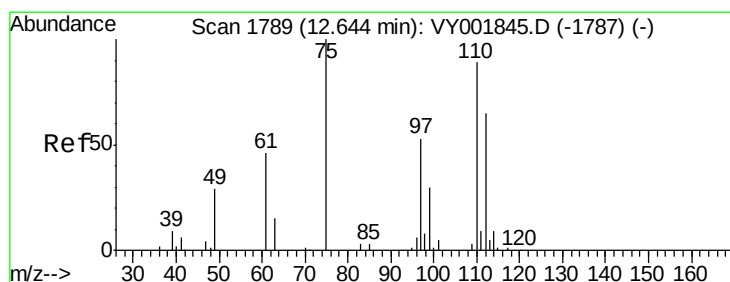
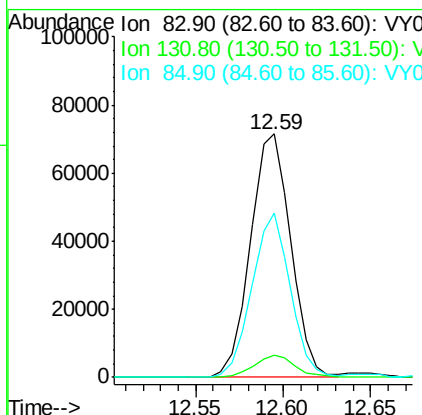
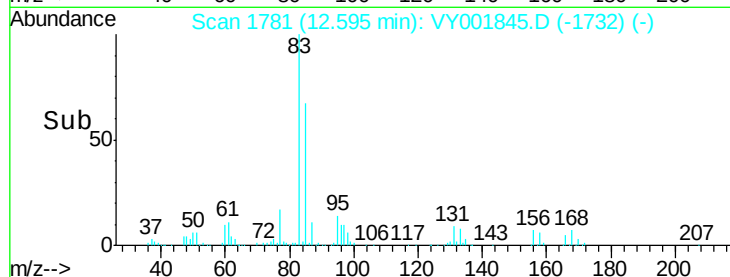
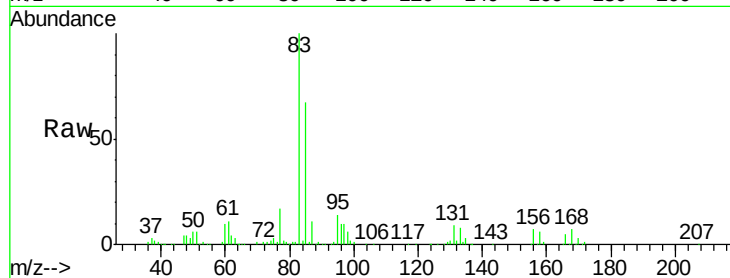
131 9.2 4.6 13.8

85 64.2 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#76

1,2,3-Trichloropropane

Concen: 29.256 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001845.D

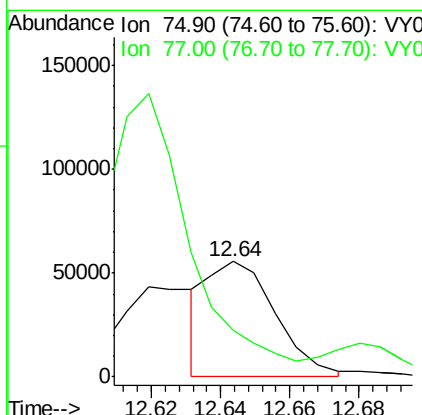
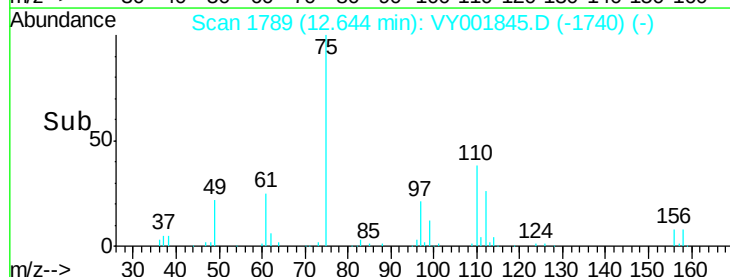
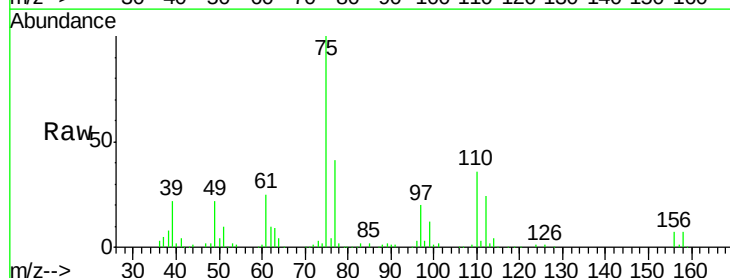
Acq: 04 Mar 2020 11:33

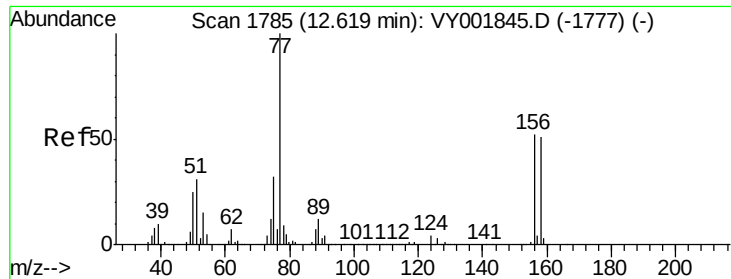
Tgt Ion: 75 Resp: 76204

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





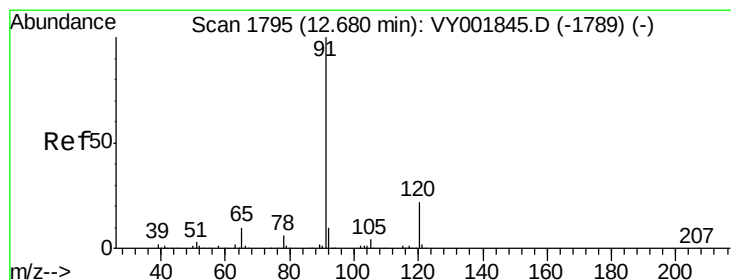
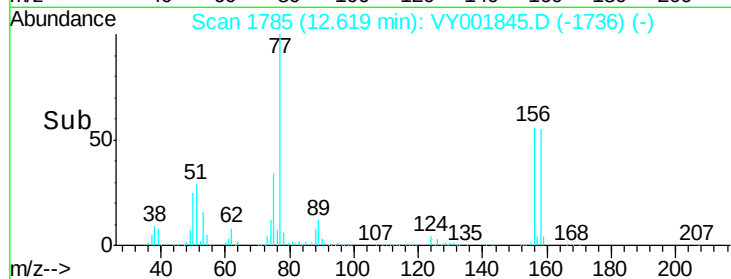
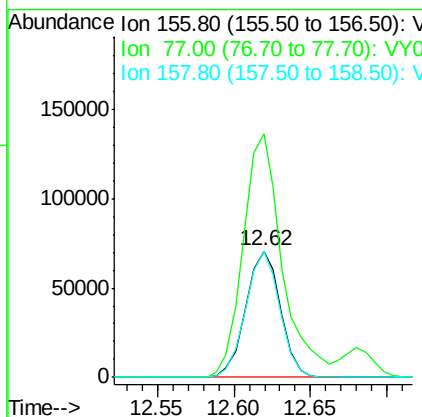
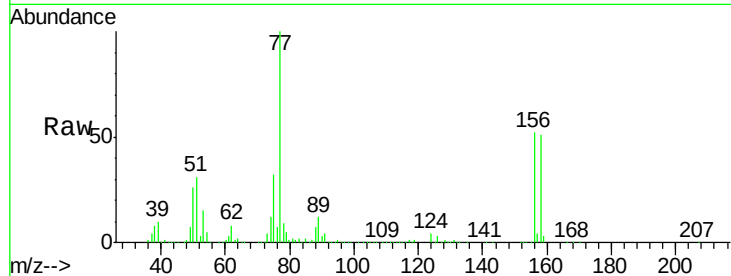
#77
Bromobenzene
Concen: 50.667 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	218.0	109.0	327.0	
158	97.9	48.9	146.8	

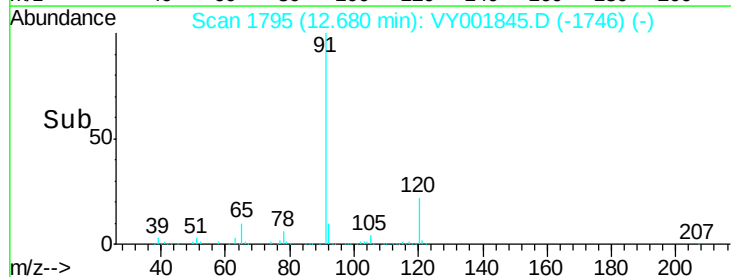
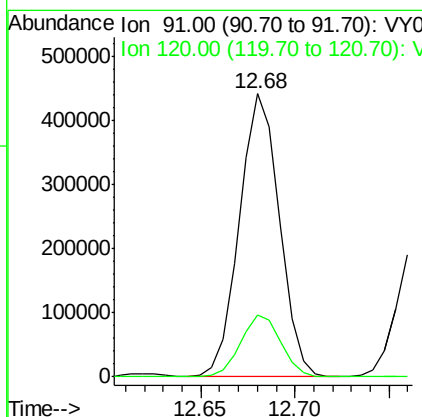
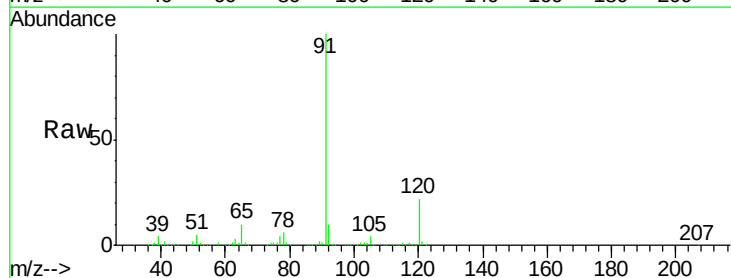
Manual Integrations
APPROVED

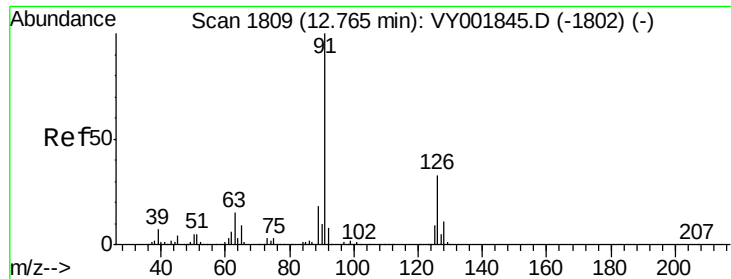
MMDadoda
3/5/2020 1:37:09 PM



#78
n-propylbenzene
Concen: 51.298 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

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





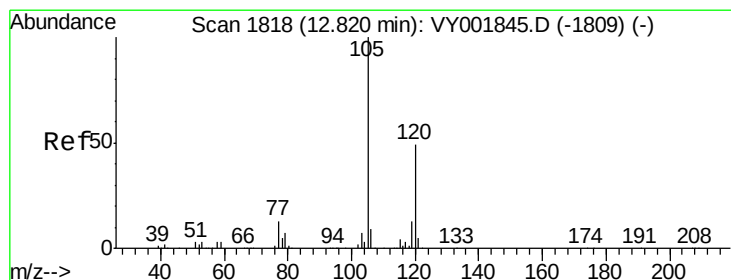
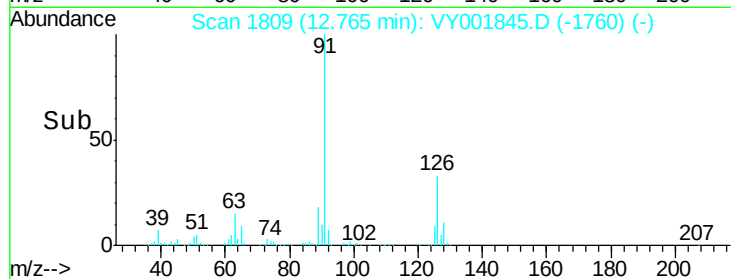
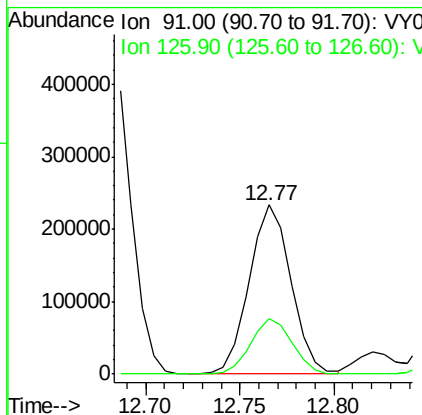
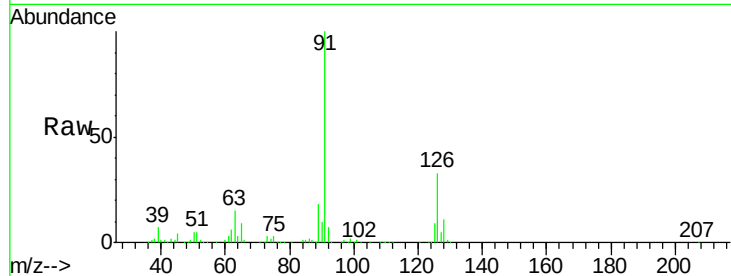
#79
 2-Chlorotoluene
 Concen: 51.263 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 360073
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.8

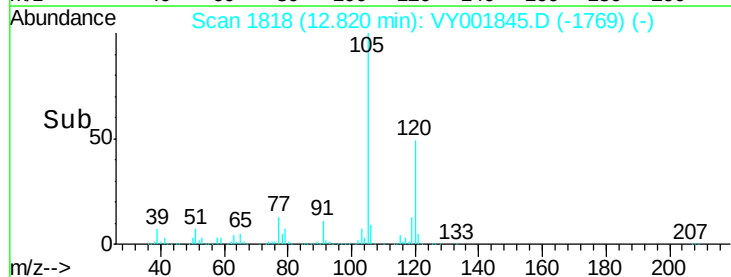
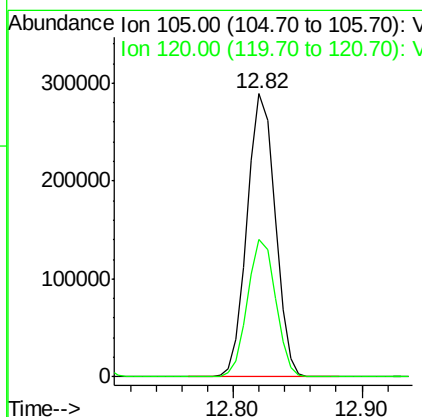
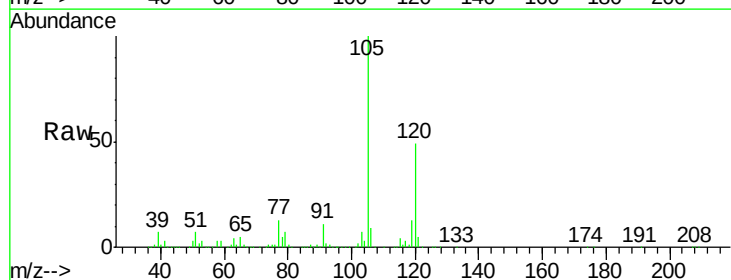
Manual Integrations
 APPROVED

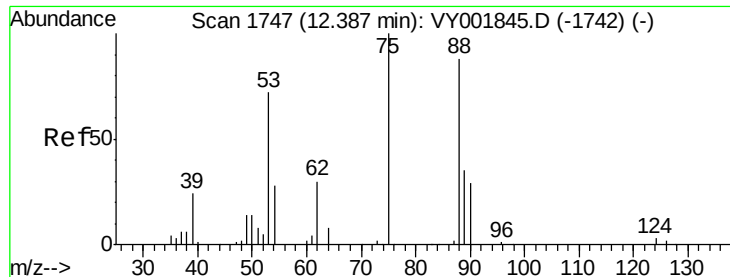
MMDadoda
 3/5/2020 1:37:09 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.457 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion: 105 Resp: 433858
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.598 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 41912

Ion Ratio Lower Upper

75 100

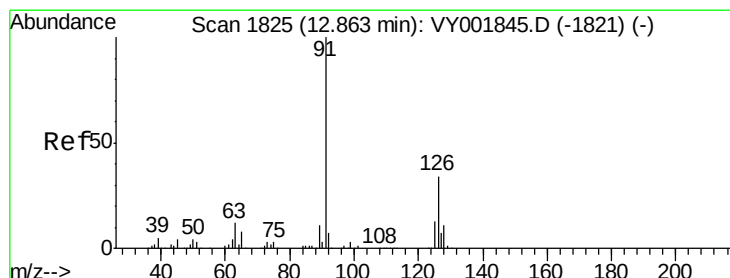
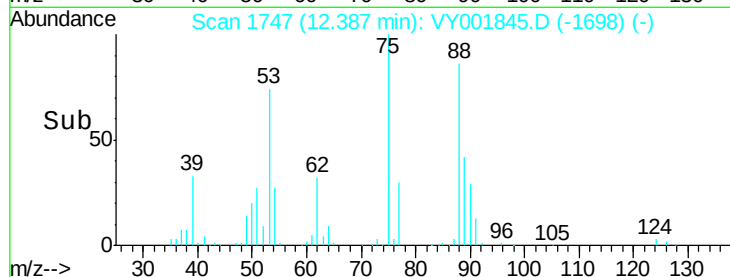
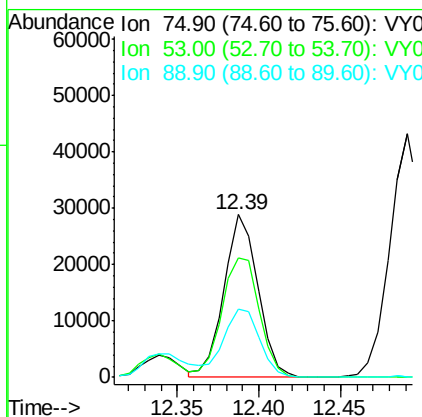
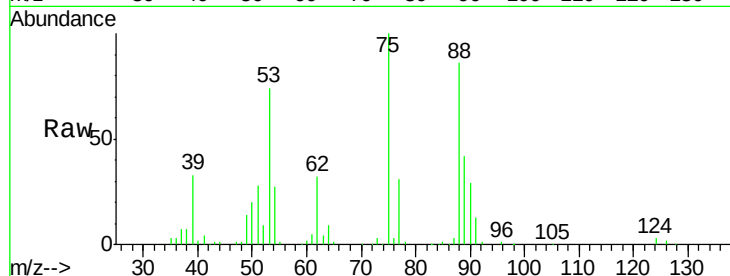
53 81.7 65.4 98.0

89 45.0 36.0 54.0

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#82

4-Chlorotoluene

Concen: 51.468 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001845.D

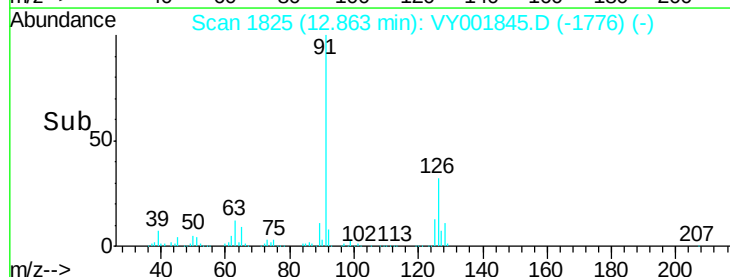
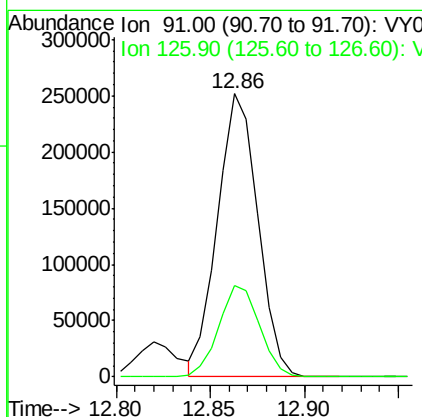
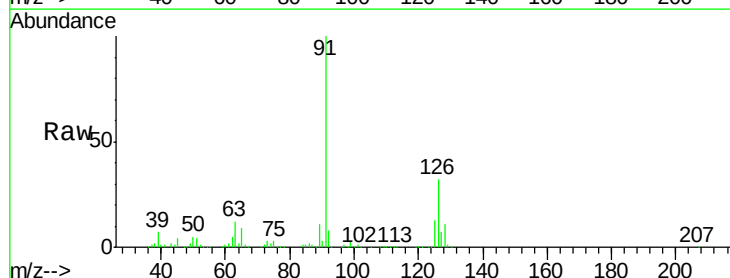
Acq: 04 Mar 2020 11:33

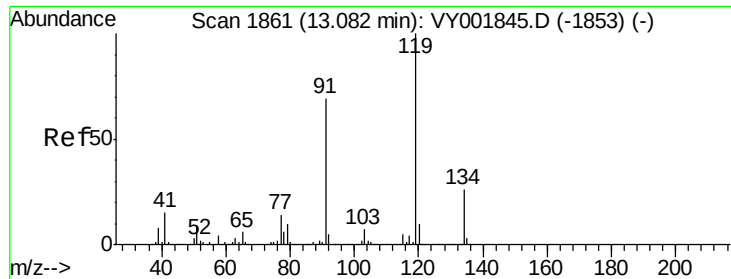
Tgt Ion: 91 Resp: 374416

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2





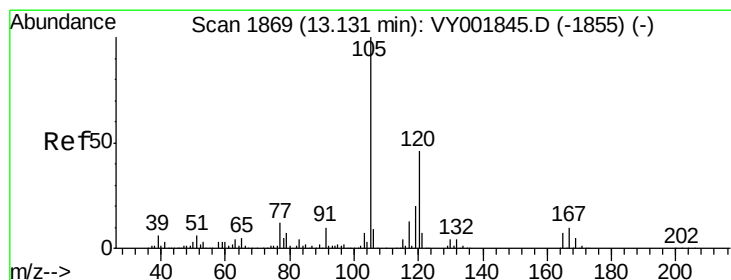
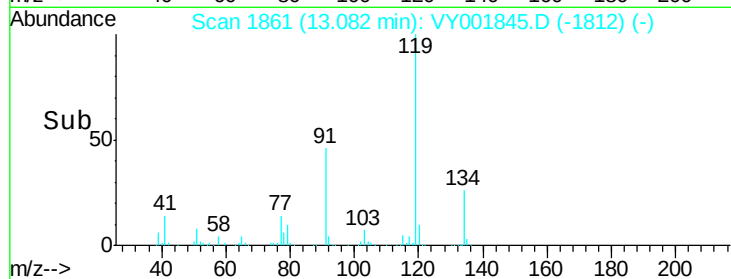
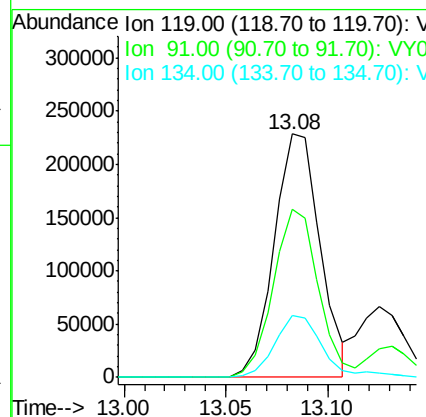
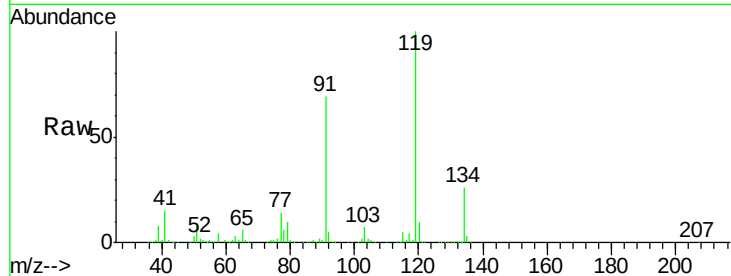
#83
 tert-Butylbenzene
 Concen: 50.917 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	26.9	13.5	40.4

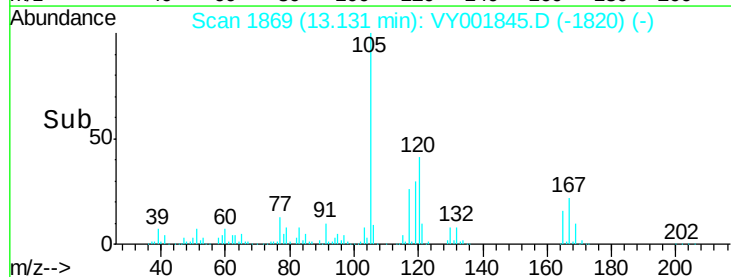
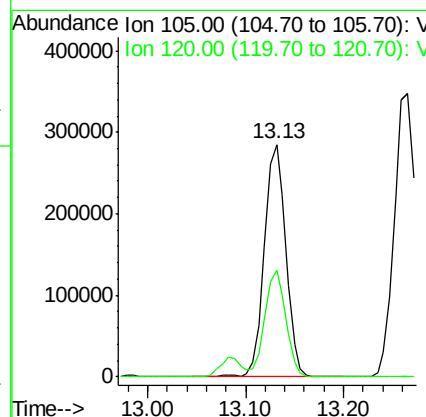
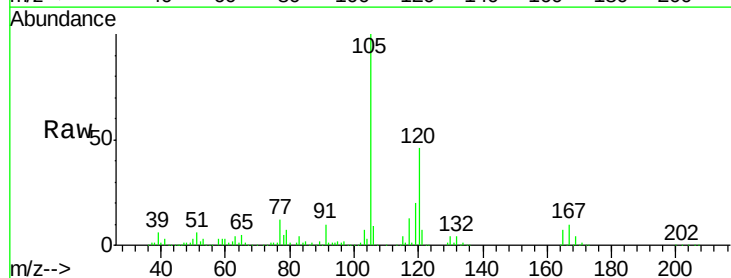
Manual Integrations
 APPROVED

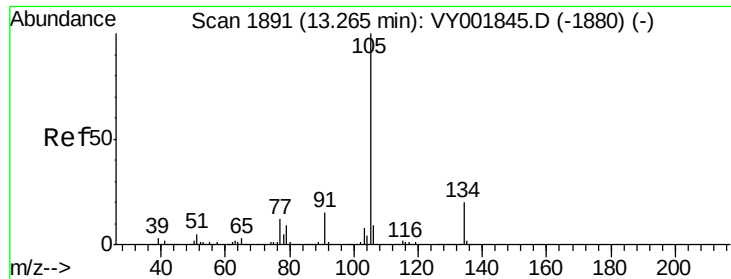
MMDadoda
 3/5/2020 1:37:09 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.392 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.277 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 533393

Ion Ratio Lower Upper

105 100

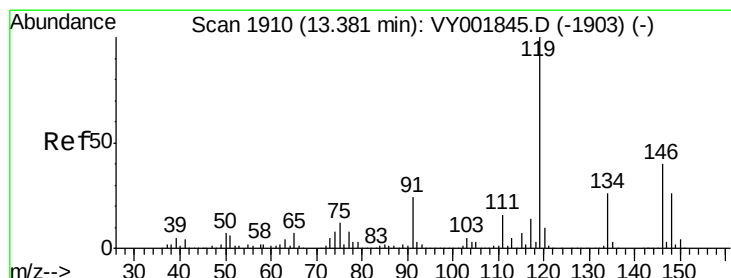
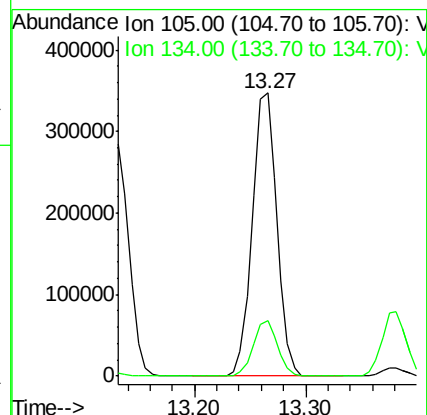
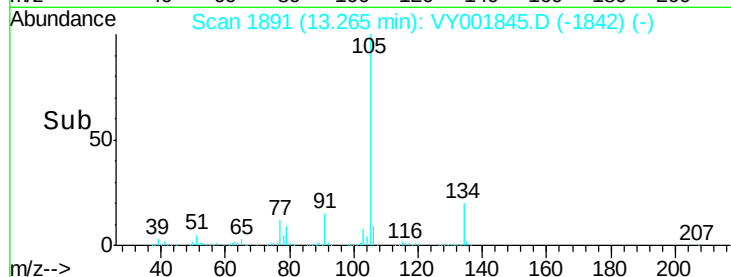
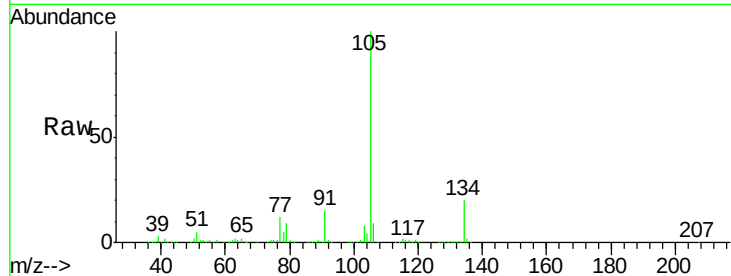
134 19.4 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:09 PM



#86

p-Isopropyltoluene

Concen: 51.628 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

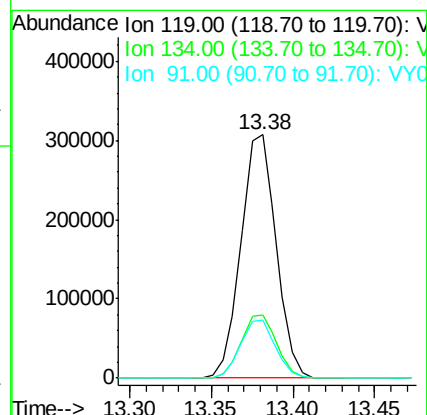
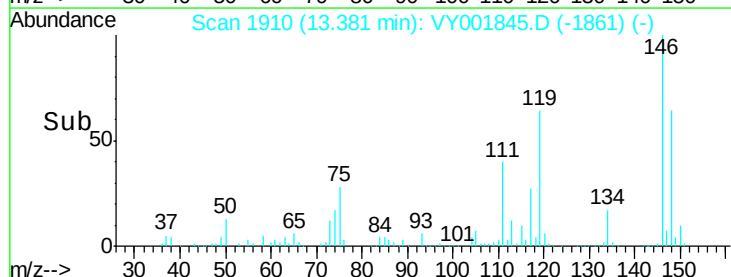
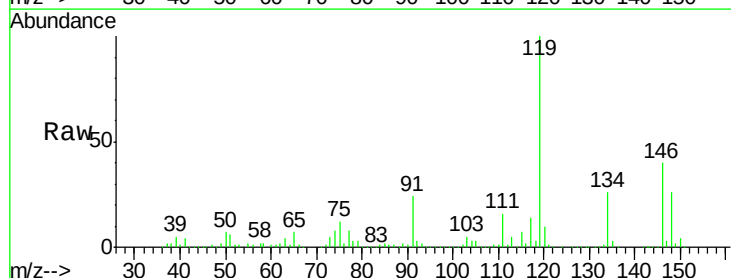
Tgt Ion:119 Resp: 461226

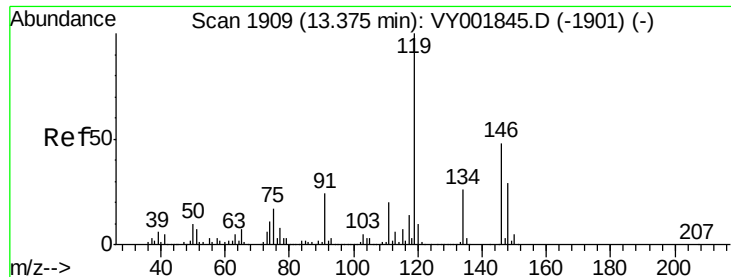
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.8 11.9 35.7





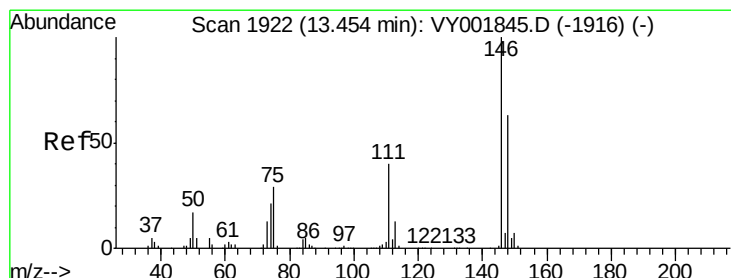
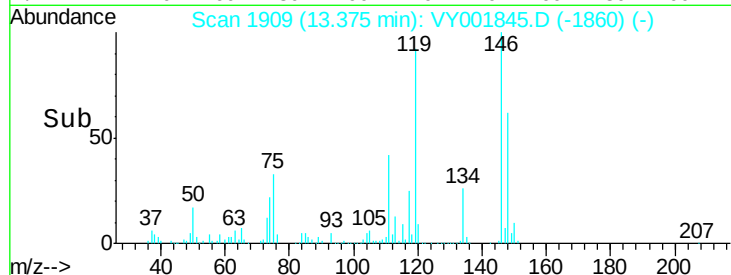
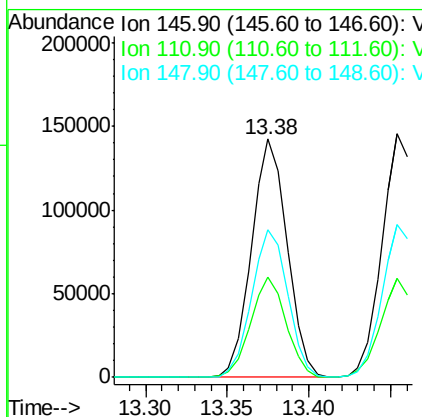
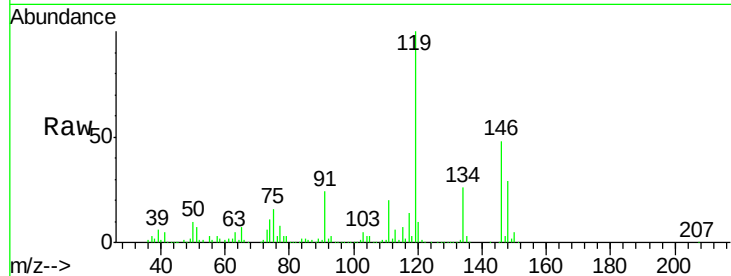
#87
 1,3-Dichlorobenzene
 Concen: 50.581 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217259		
111	41.7	20.8	62.5	
148	62.7	31.4	94.0	

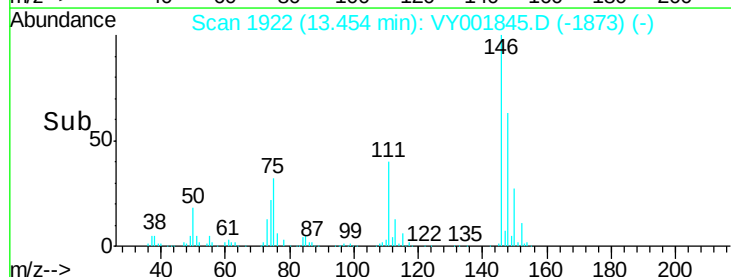
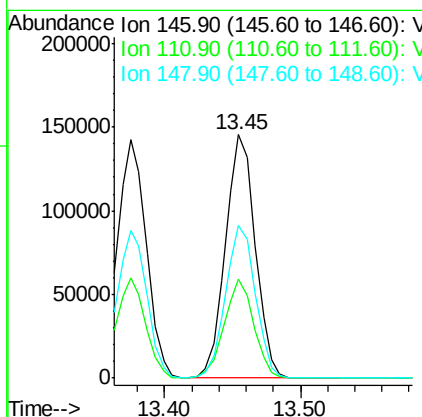
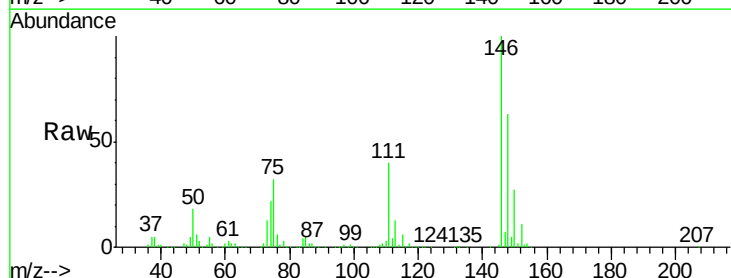
Manual Integrations
 APPROVED

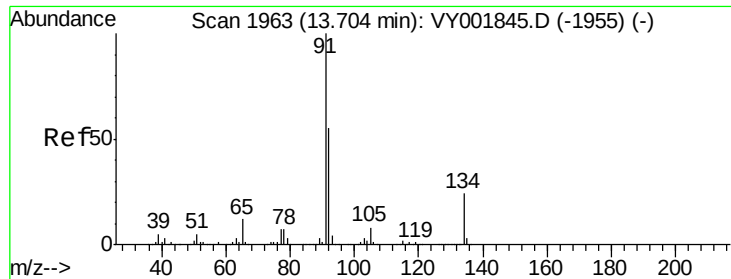
MMDadoda
 3/5/2020 1:37:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.170 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220936		
111	40.0	20.0	60.0	
148	63.0	31.5	94.5	





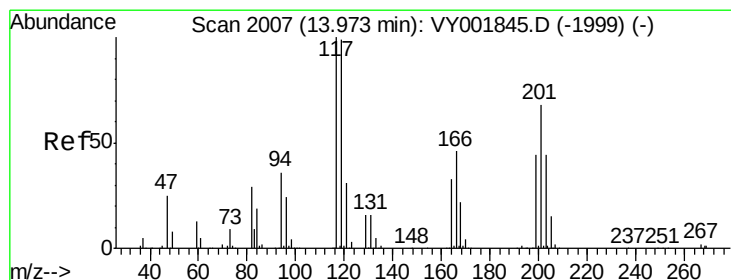
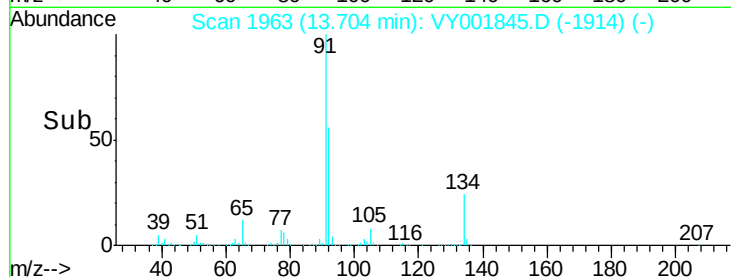
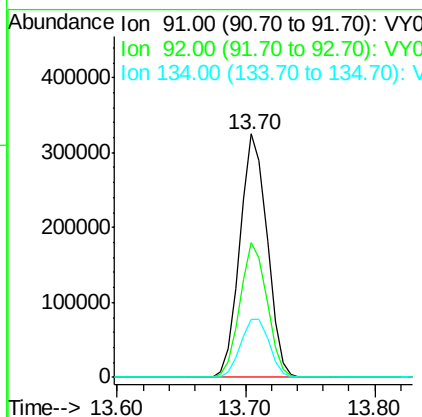
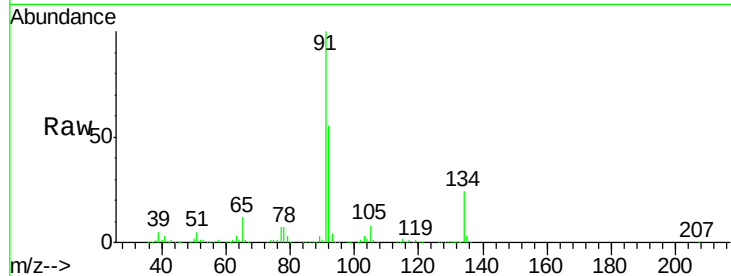
#89
n-Butylbenzene
Concen: 51.434 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	25.0	12.5	37.5

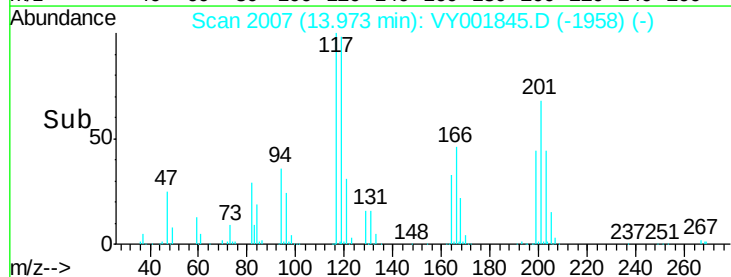
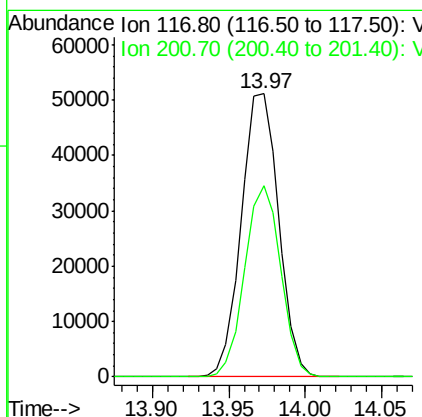
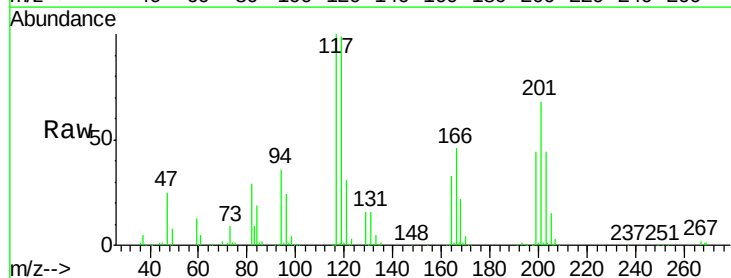
Manual Integrations
APPROVED

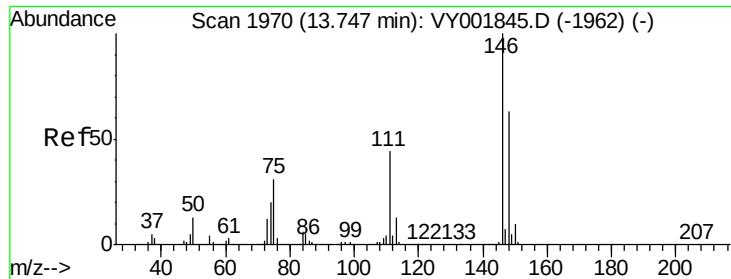
MMDadoda
3/5/2020 1:37:09 PM



#90
Hexachloroethane
Concen: 52.055 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5





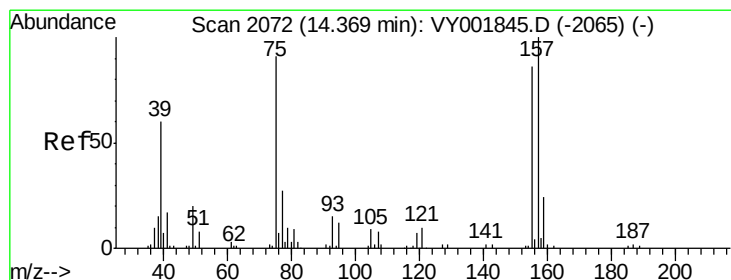
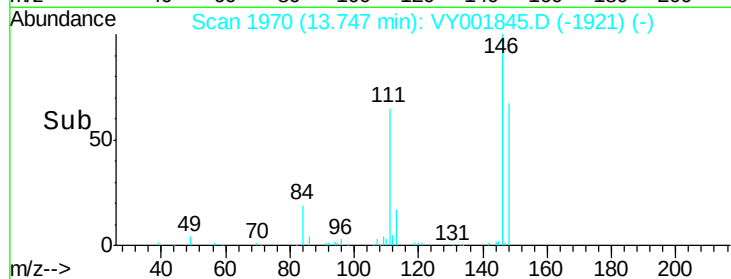
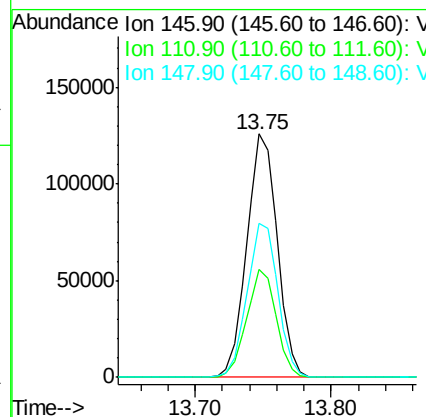
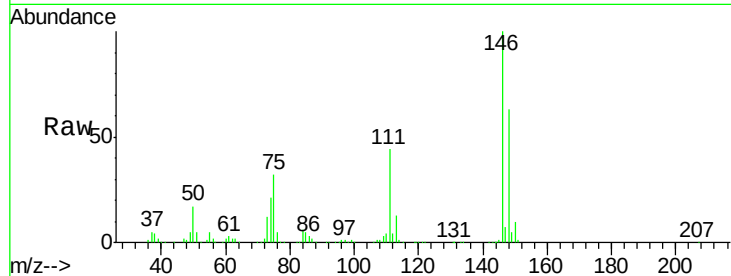
#91
 1,2-Dichlorobenzene
 Concen: 50.940 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0

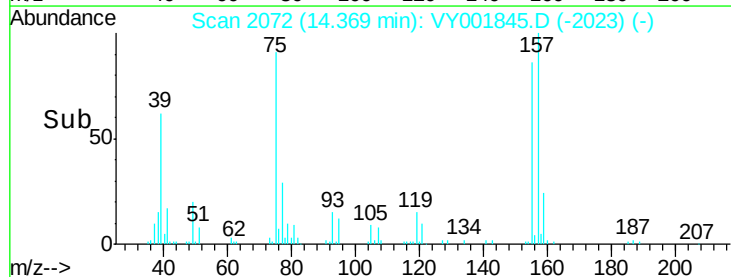
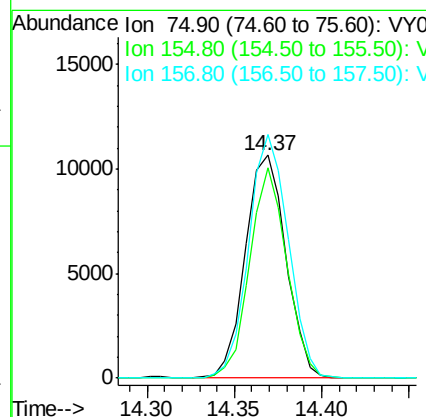
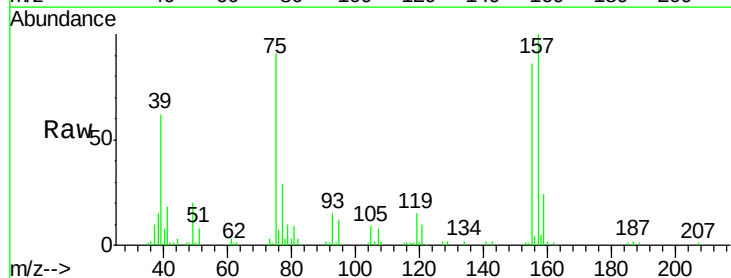
Manual Integrations
 APPROVED

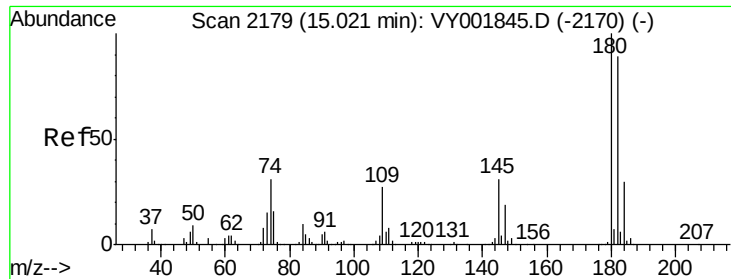
MMDadoda
 3/5/2020 1:37:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.947 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001845.D
 Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.9	128.7
157	106.3	53.1	159.4





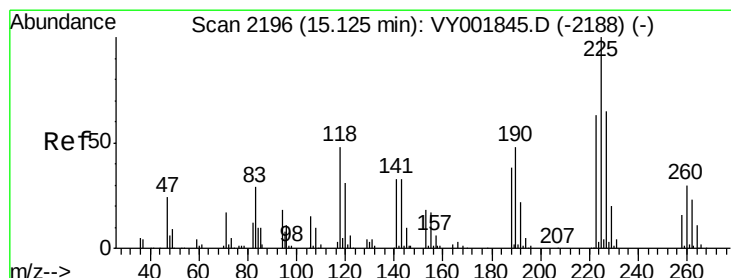
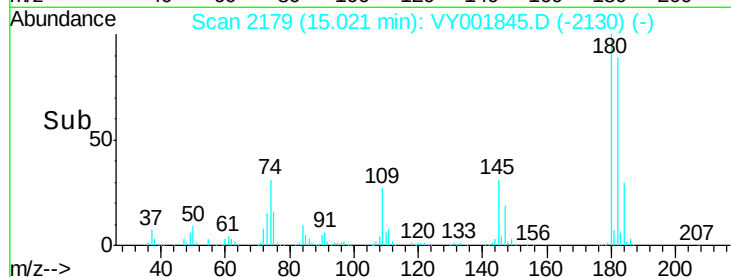
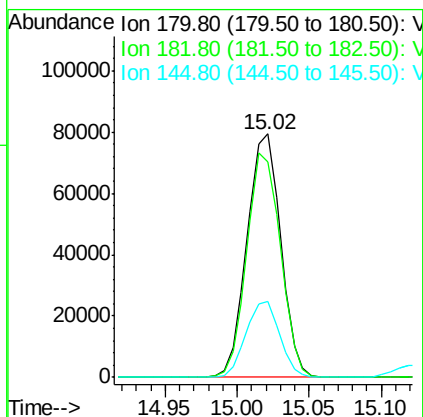
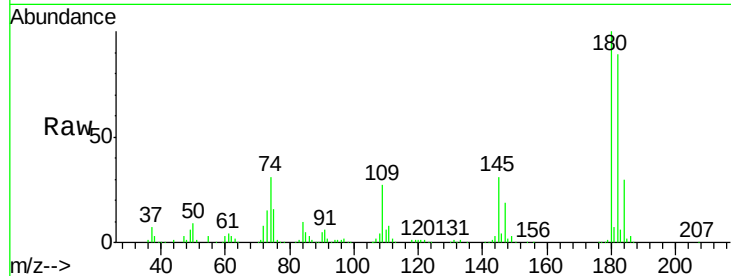
#93
1,2,4-Trichlorobenzene
Concen: 50.814 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128461		
182	92.2	46.1	138.3	
145	31.2	15.6	46.8	

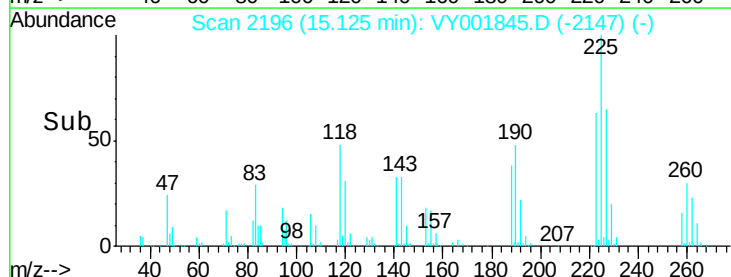
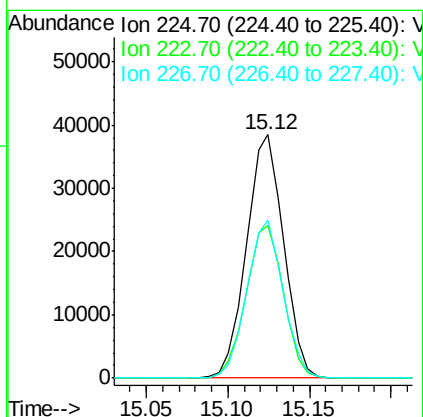
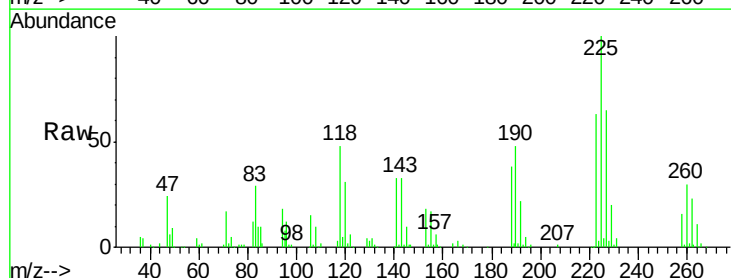
Manual Integrations
APPROVED

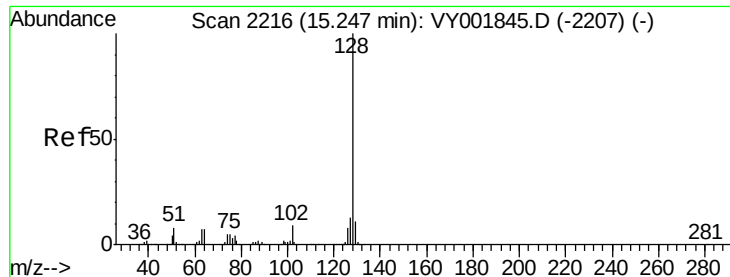
MMDadoda
3/5/2020 1:37:09 PM



#94
Hexachlorobutadiene
Concen: 49.528 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY001845.D
Acq: 04 Mar 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60904		
223	63.0	31.5	94.5	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 51.215 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Instrument :

MSVOA_Y

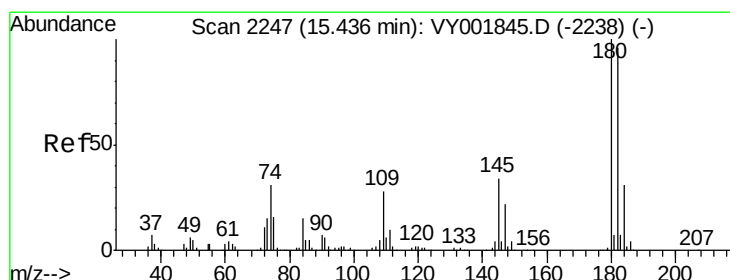
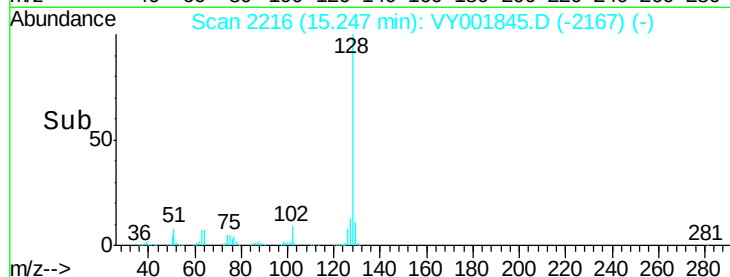
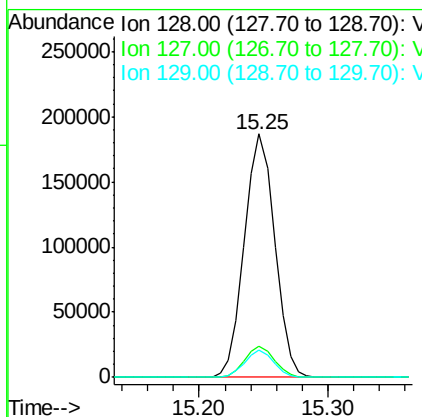
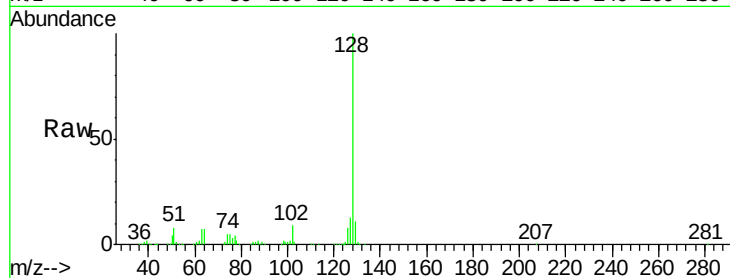
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	304516
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.195 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001845.D

Acq: 04 Mar 2020 11:33

Tgt Ion:	180	Resp:	112100
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.9
145	33.5	16.8	50.3

