

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000970.D
 Acq On : 17 Dec 2019 11:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:50 PM

Quant Time: Dec 18 05:56:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	453867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138027	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.72	113	138662	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.18	98	565693	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.48	95	195974	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	127254	44.194	ug/l	96
3) Chloromethane	2.12	50	168131	47.368	ug/l	98
4) Vinyl Chloride	2.26	62	173678	49.649	ug/l	99
5) Bromomethane	2.65	94	109520	52.316	ug/l	98
6) Chloroethane	2.80	64	110489	51.516	ug/l	95
7) Trichlorofluoromethane	3.13	101	248788	51.895	ug/l	98
8) Diethyl Ether	3.54	74	101949	56.501	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	167102	56.443	ug/l	98
10) Methyl Iodide	4.10	142	200249	53.723	ug/l	98
11) Tert butyl alcohol	4.97	59	78913	275.958	ug/l	98
12) 1,1-Dichloroethene	3.88	96	165867	56.553	ug/l	88
13) Acrolein	3.74	56	79267	281.398	ug/l	99
14) Allyl chloride	4.48	41	272610	54.208	ug/l	98
15) Acrylonitrile	5.18	53	269287	289.019	ug/l	98
16) Acetone	3.96	43	151940	233.027	ug/l	96
17) Carbon Disulfide	4.20	76	480781	50.685	ug/l	100
18) Methyl Acetate	4.48	43	151539	55.584	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	444018	56.687	ug/l	99
20) Methylene Chloride	4.72	84	188542	54.857	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	184581	55.370	ug/l	93
22) Diisopropyl ether	6.13	45	564257	54.591	ug/l	97
23) Vinyl Acetate	6.07	43	1735591	276.209	ug/l	98
24) 1,1-Dichloroethane	6.02	63	317969	55.815	ug/l	99
25) 2-Butanone	7.00	43	307357	255.181	ug/l	96
26) 2,2-Dichloropropane	6.99	77	265828	55.442	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	206341	57.262	ug/l	98
28) Bromochloromethane	7.35	49	106113	50.770	ug/l	99
29) Tetrahydrofuran	7.36	42	219238	274.685	ug/l	98
30) Chloroform	7.52	83	307522	53.811	ug/l	97
31) Cyclohexane	7.79	56	314749	52.155	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	262690	55.666	ug/l	98
36) 1,1-Dichloropropene	7.93	75	250170	55.436	ug/l	99
37) Ethyl Acetate	7.08	43	144111	55.305	ug/l	98
38) Carbon Tetrachloride	7.91	117	227818	56.686	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000970.D
 Acq On : 17 Dec 2019 11:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:01:50 PM

Quant Time: Dec 18 05:56:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	332998	55.695	ug/l	96
40) Benzene	8.17	78	759362	57.768	ug/l	100
41) Methacrylonitrile	7.32	41	56580m	41.198	ug/l	
42) 1,2-Dichloroethane	8.24	62	191626	55.431	ug/l	98
43) Isopropyl Acetate	8.28	43	274065	55.812	ug/l	98
44) Trichloroethene	8.94	130	198466	58.748	ug/l	93
45) 1,2-Dichloropropane	9.22	63	192362	58.260	ug/l	96
46) Dibromomethane	9.31	93	101379	58.765	ug/l	98
47) Bromodichloromethane	9.50	83	235339	58.070	ug/l	97
48) Methyl methacrylate	9.30	41	116493	53.949	ug/l	90
49) 1,4-Dioxane	9.30	88	28286	1157.164	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	723929	285.334	ug/l	98
52) Toluene	10.24	92	465912	57.246	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	256892	59.000	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	303993	59.068	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	149300	58.576	ug/l	97
56) Ethyl methacrylate	10.51	69	218804	60.009	ug/l	97
57) 1,3-Dichloropropane	10.79	76	264304	59.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	379957	258.443	ug/l	99
59) 2-Hexanone	10.83	43	506035	273.717	ug/l	98
60) Dibromochloromethane	10.99	129	162863	59.356	ug/l	100
61) 1,2-Dibromoethane	11.09	107	143745	59.841	ug/l	99
64) Tetrachloroethene	10.72	164	208461	59.703	ug/l	96
65) Chlorobenzene	11.52	112	484586	58.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	169603	60.246	ug/l	99
67) Ethyl Benzene	11.59	91	907205	58.312	ug/l	97
68) m/p-Xylenes	11.70	106	680555	116.544	ug/l	99
69) o-Xylene	12.03	106	324634	59.624	ug/l	96
70) Styrene	12.04	104	552872	59.302	ug/l	98
71) Bromoform	12.20	173	96446	60.743	ug/l #	99
73) Isopropylbenzene	12.33	105	865260	56.948	ug/l	99
74) N-amyl acetate	12.14	43	235067	55.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	172156	57.505	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	121532m	56.212	ug/l	
77) Bromobenzene	12.61	156	189468	57.528	ug/l	98
78) n-propylbenzene	12.67	91	1053553	56.789	ug/l	99
79) 2-Chlorotoluene	12.75	91	575408	56.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	705985	56.119	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	65999	59.963	ug/l	95
82) 4-Chlorotoluene	12.85	91	593411	56.199	ug/l	100
83) tert-Butylbenzene	13.07	119	612312	57.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	710890	56.482	ug/l	99
85) sec-Butylbenzene	13.25	105	887521	57.698	ug/l	99
86) p-Isopropyltoluene	13.37	119	769123	57.487	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	366113	56.666	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	367754	57.487	ug/l	99
89) n-Butylbenzene	13.69	91	779988	57.661	ug/l	100
90) Hexachloroethane	13.96	117	143290	58.139	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	334494	57.557	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26051	51.977	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
Data File : VY000970.D
Acq On : 17 Dec 2019 11:44
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

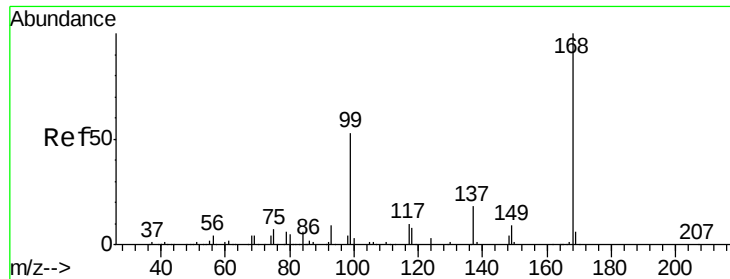
Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM

Quant Time: Dec 18 05:56:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	231722	58.925	ug/l	100
94) Hexachlorobutadiene	15.11	225	113677	58.305	ug/l	98
95) Naphthalene	15.23	128	538251	58.947	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	202286	57.589	ug/l	99

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



#1

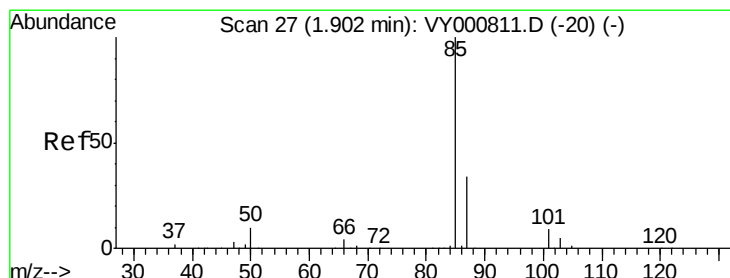
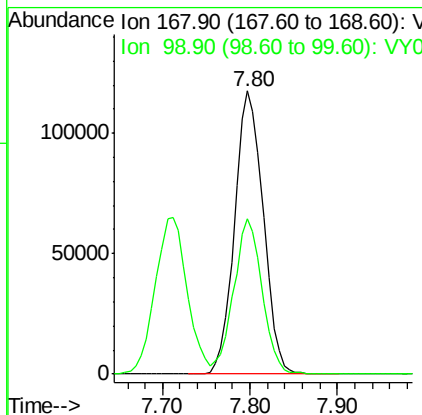
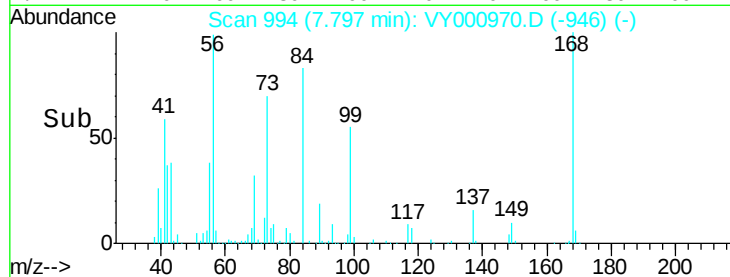
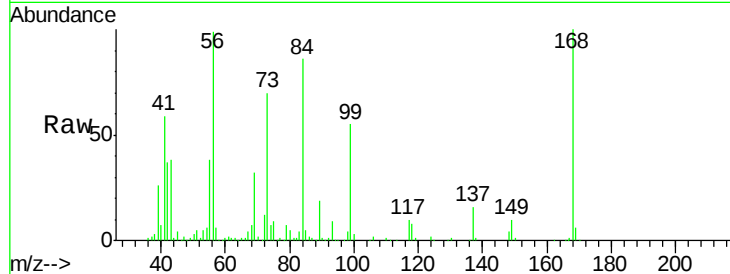
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.8	45.0	67.6

Manual Integrations
APPROVED

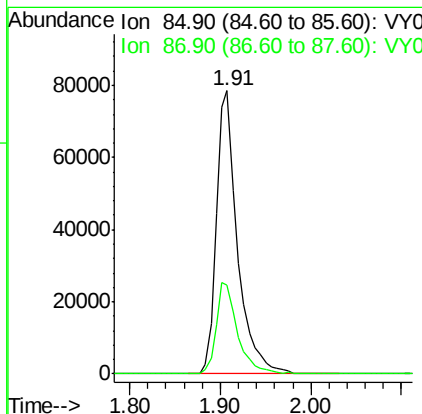
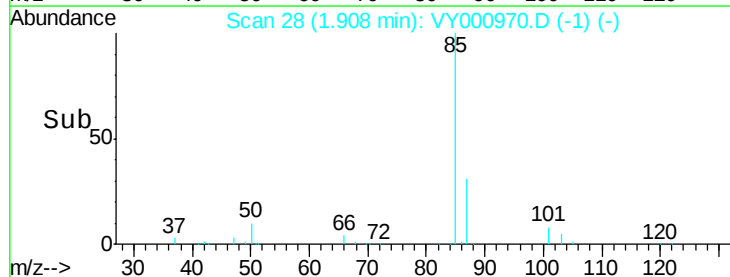
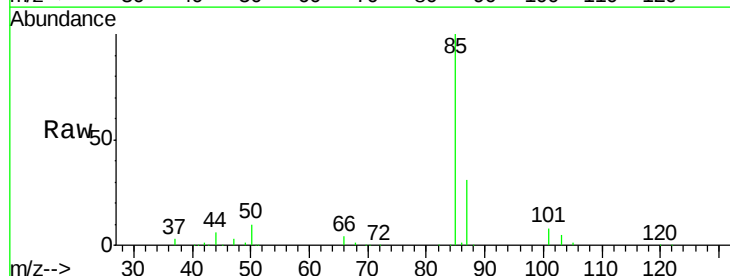
MMDadoda
12/18/2019 1:01:50 PM

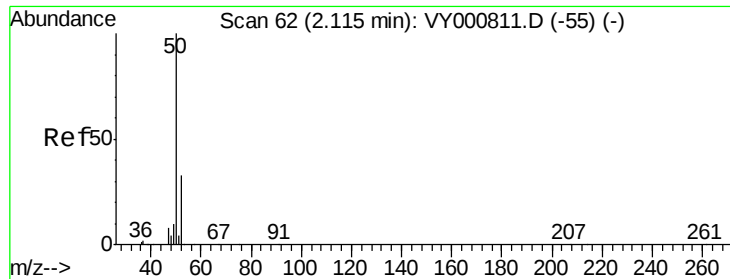


#2

Dichlorodifluoromethane
Concen: 44.194 ug/l
RT: 1.91 min Scan# 28
Delta R.T. 0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.8	50.3





#3

Chloromethane

Concen: 47.368 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168131

Ion Ratio Lower Upper

50 100

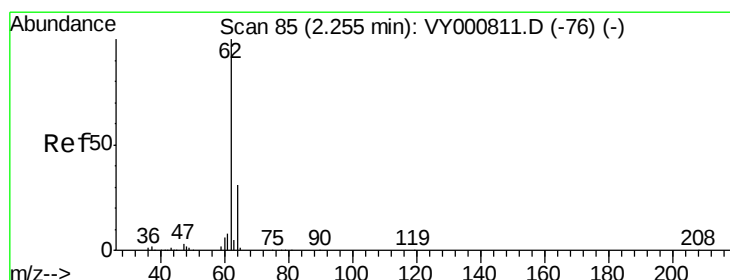
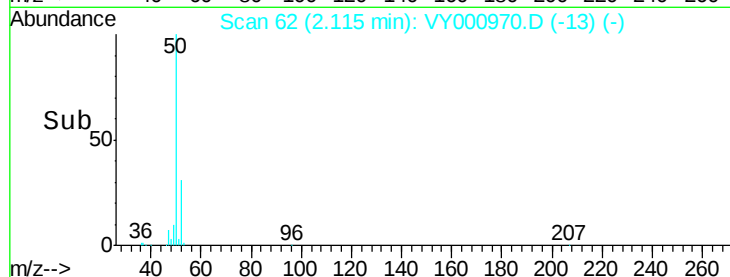
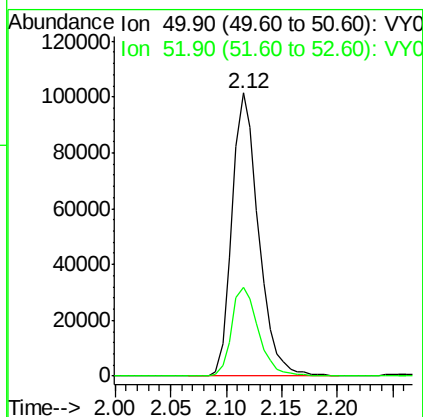
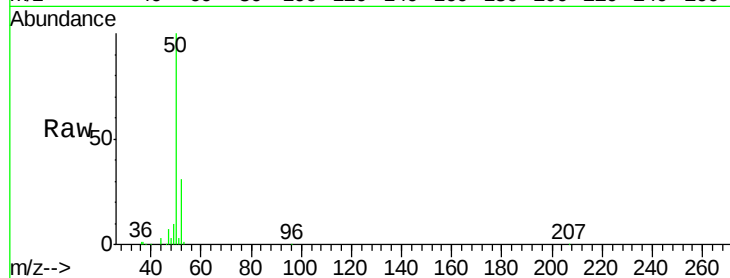
52 31.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

12/18/2019 1:01:50 PM



#4

Vinyl Chloride

Concen: 49.649 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY000970.D

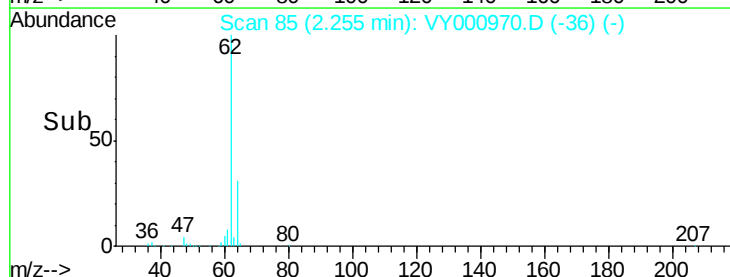
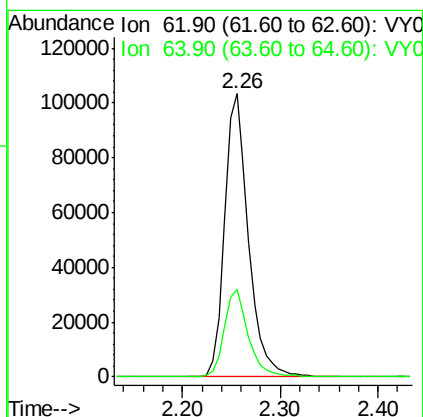
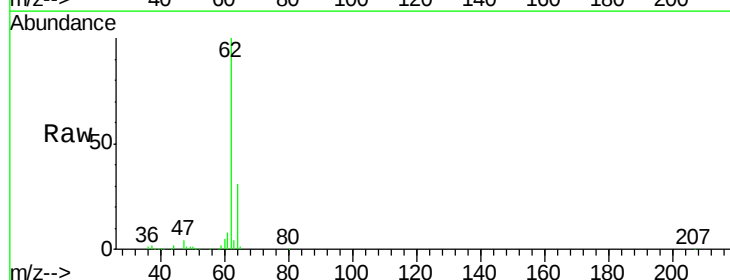
Acq: 17 Dec 2019 11:44

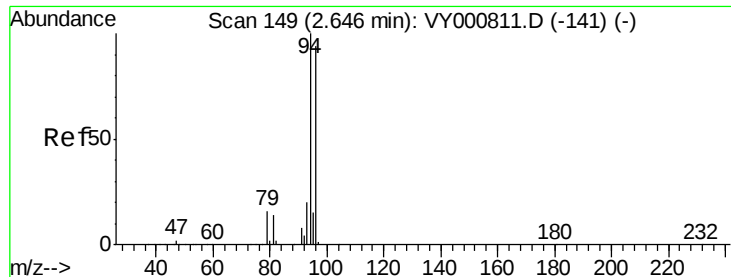
Tgt Ion: 62 Resp: 173678

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 52.316 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 109520

Ion Ratio Lower Upper

94 100

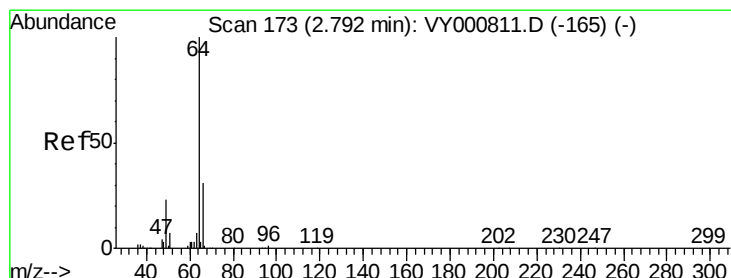
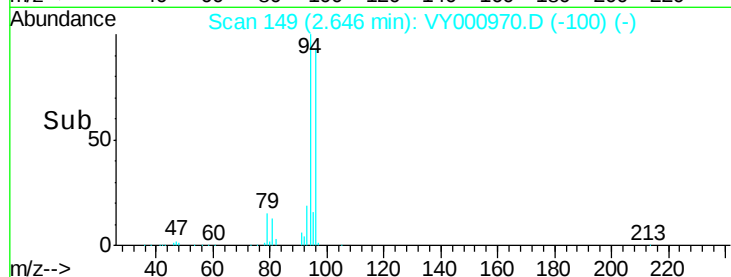
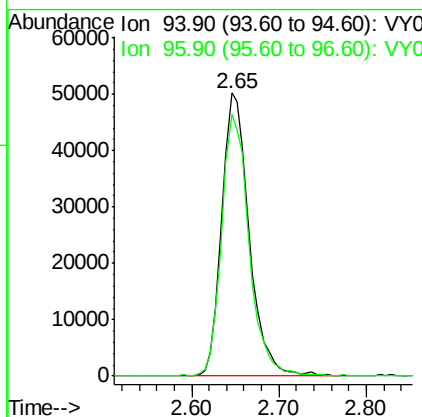
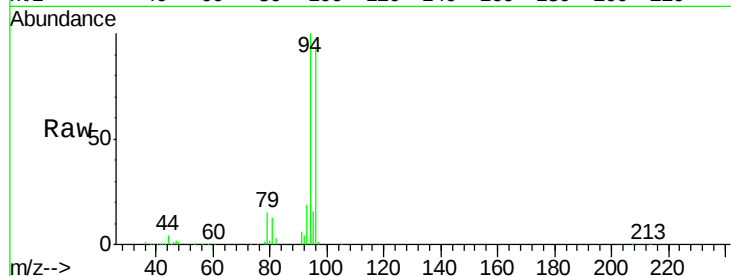
96 92.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

12/18/2019 1:01:50 PM



#6

Chloroethane

Concen: 51.516 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000970.D

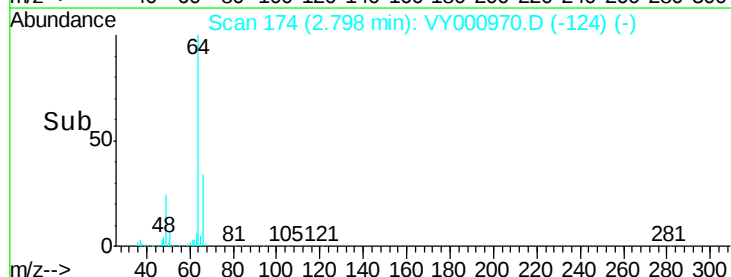
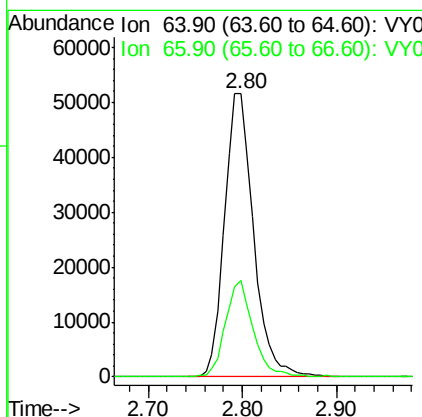
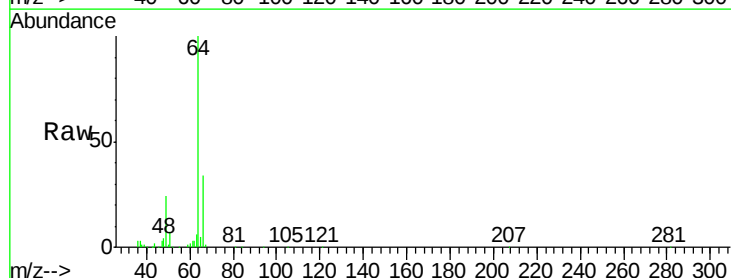
Acq: 17 Dec 2019 11:44

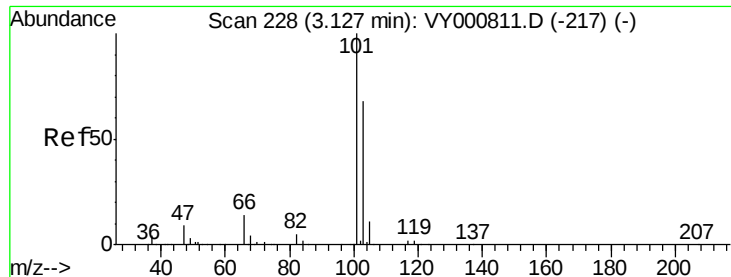
Tgt Ion: 64 Resp: 110489

Ion Ratio Lower Upper

64 100

66 33.7 25.0 37.4





#7

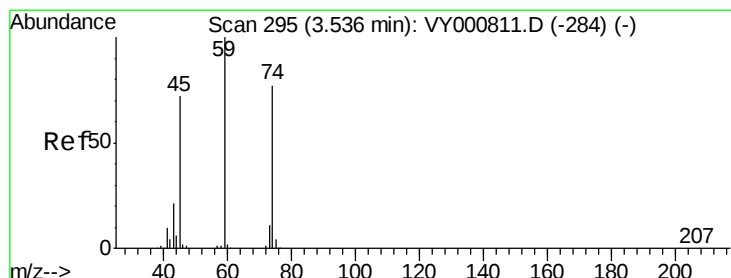
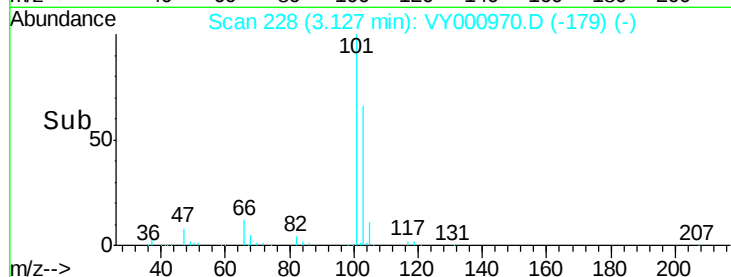
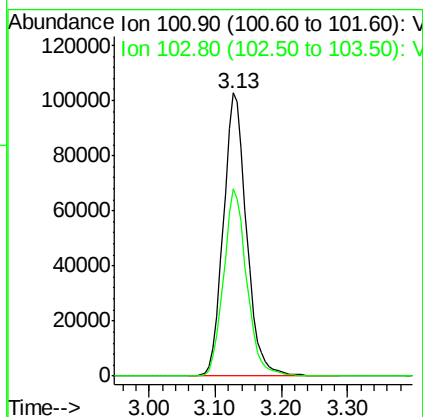
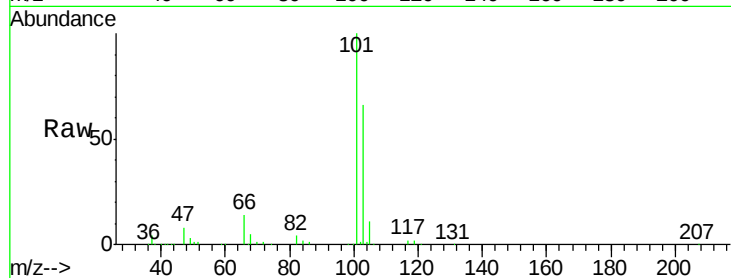
Trichlorofluoromethane
Concen: 51.895 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	54.2	81.2

Manual Integrations
APPROVED

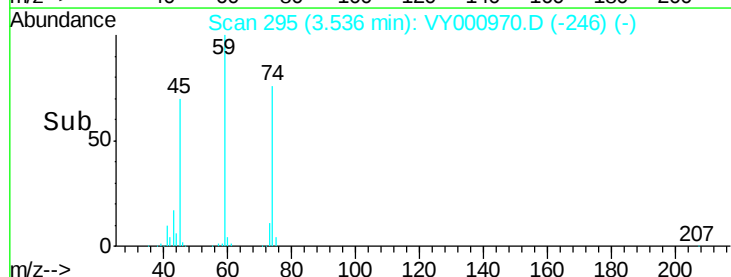
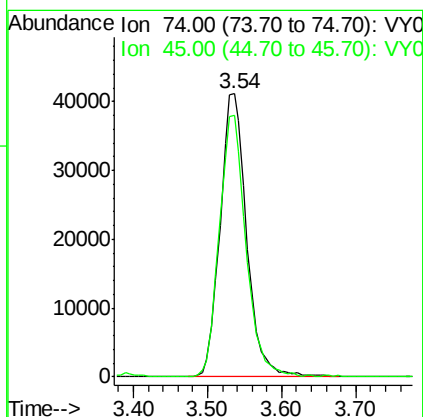
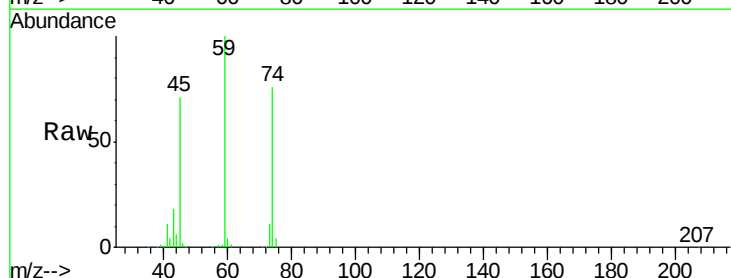
MMDadoda
12/18/2019 1:01:50 PM

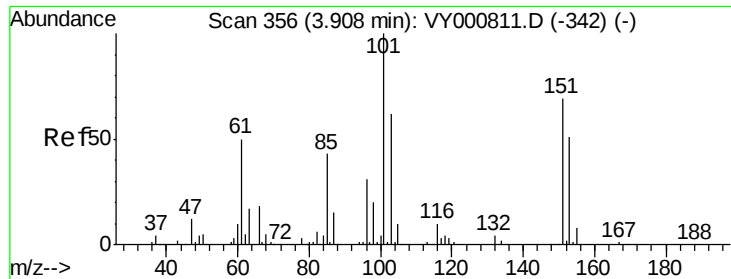


#8

Diethyl Ether
Concen: 56.501 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.443 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

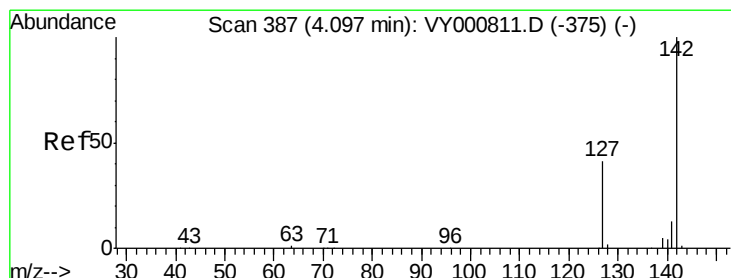
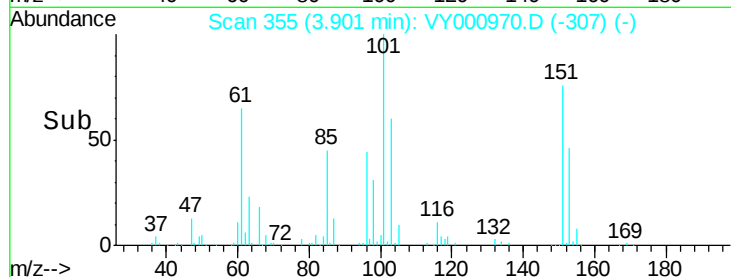
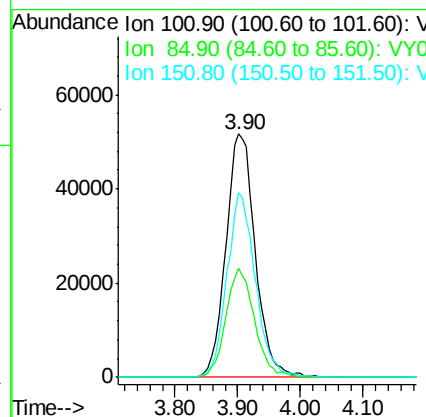
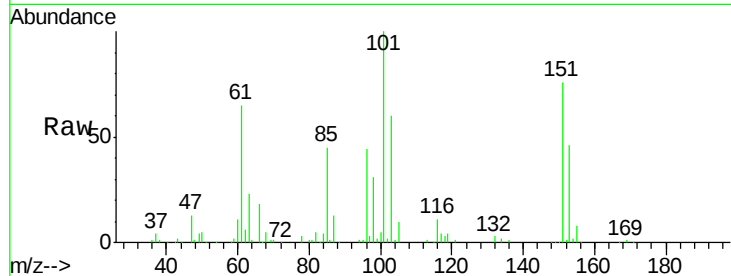
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	167102
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.0	54.0
151	73.9	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#10

Methyl Iodide

Concen: 53.723 ug/l

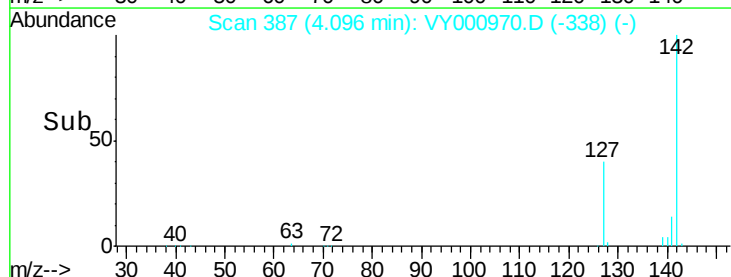
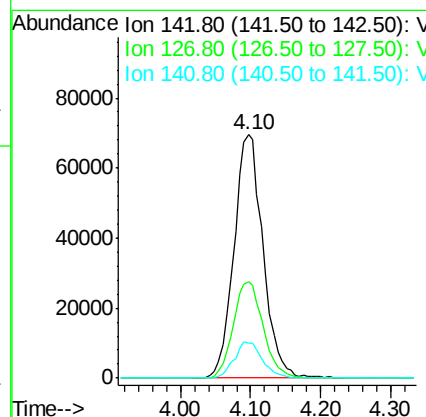
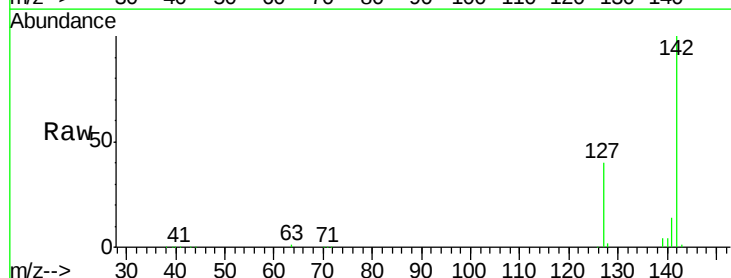
RT: 4.10 min Scan# 387

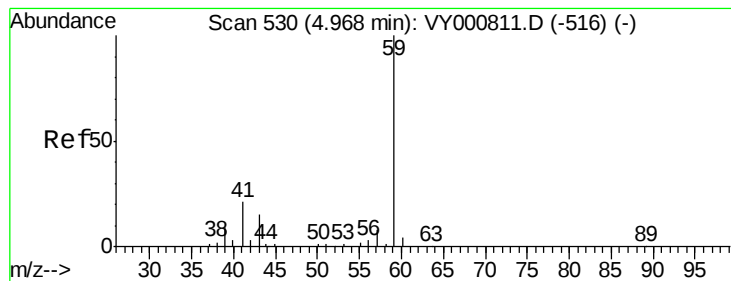
Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	142	Resp:	200249
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.8
141	14.4	10.9	16.3





#11

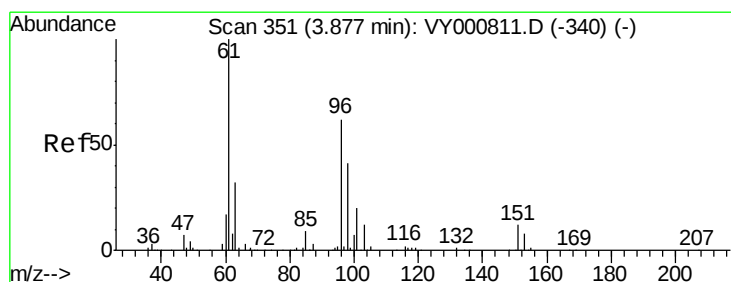
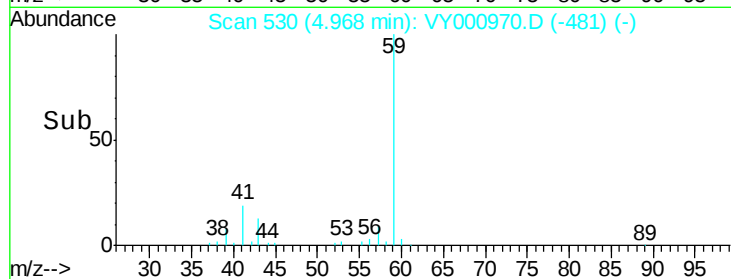
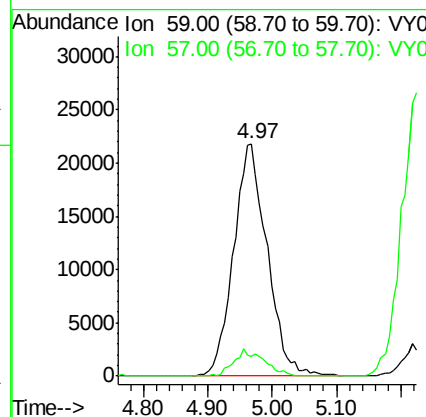
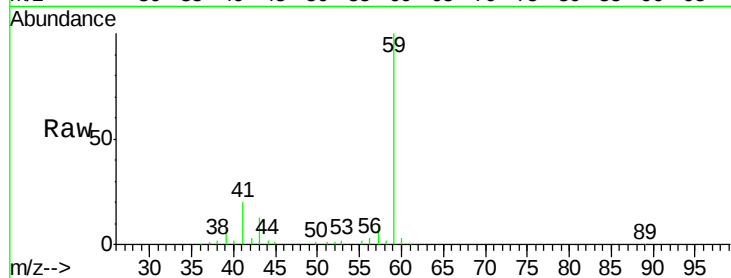
Tert butyl alcohol
Concen: 275.958 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	78913	Lower	7.8	Upper	11.6
Ion	59	57	Ratio	100	10.6	Resp	78913	Lower	7.8	Upper	11.6

Manual Integrations
APPROVED

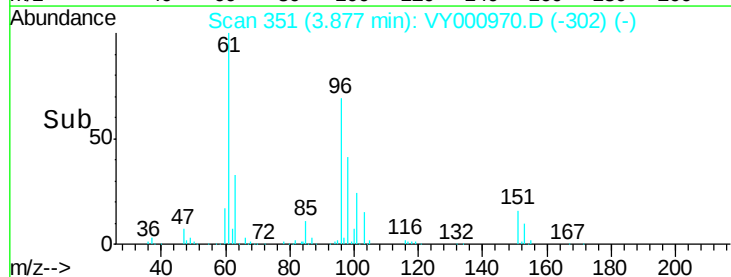
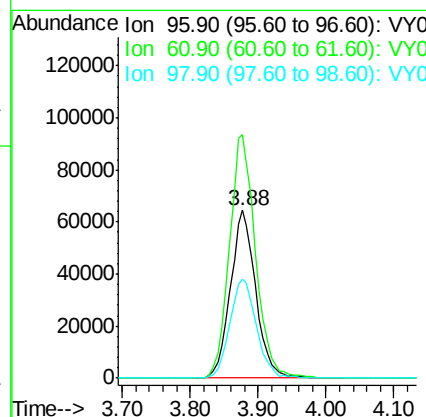
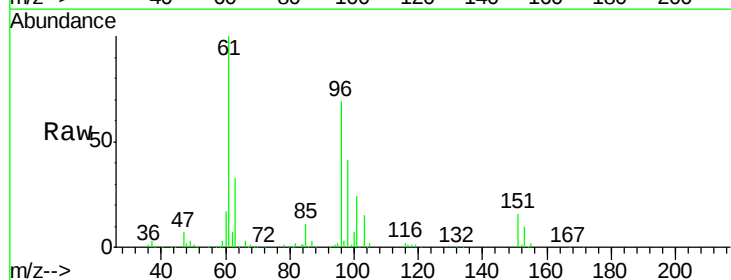
MMDadoda
12/18/2019 1:01:50 PM

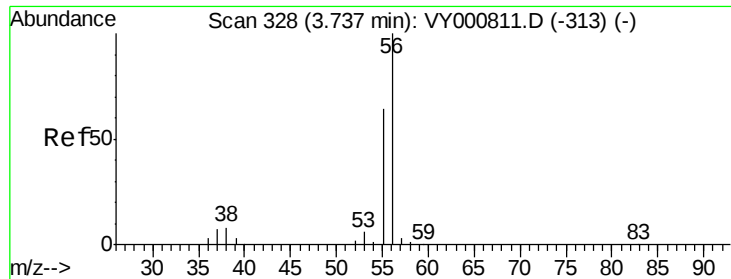


#12

1,1-Dichloroethene
Concen: 56.553 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	96	61	98	Ratio	100	145.1	59.2	Resp	165867	Lower	129.4	Upper	194.2	80.0
Ion	96	61	98	Ratio	100	145.1	59.2	Resp	165867	Lower	129.4	Upper	194.2	80.0





#13

Acrolein

Concen: 281.398 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79267

Ion Ratio Lower Upper

56 100

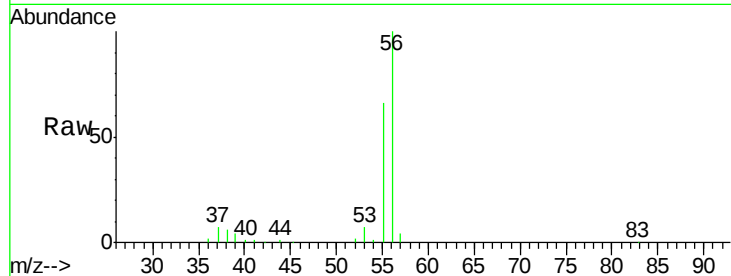
55 70.2 55.7 83.5

Manual Integrations

APPROVED

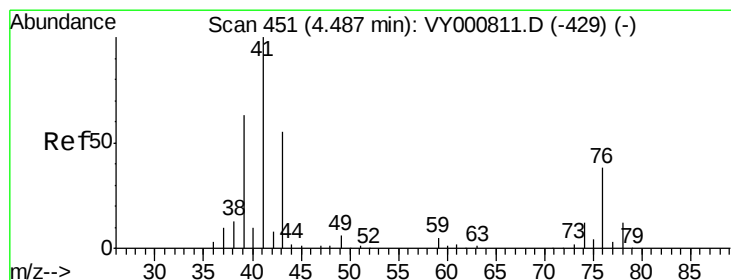
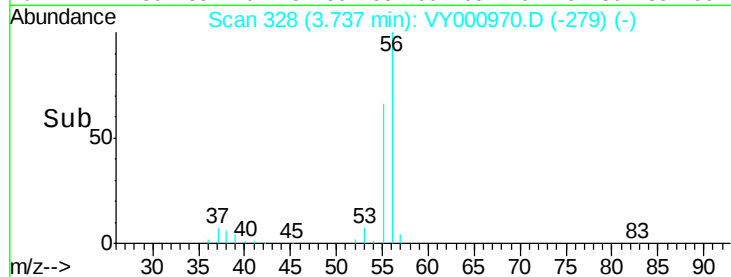
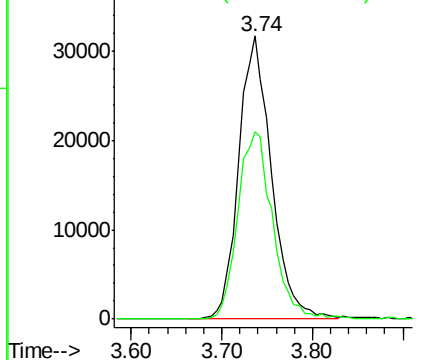
MMDadoda

12/18/2019 1:01:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 54.208 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

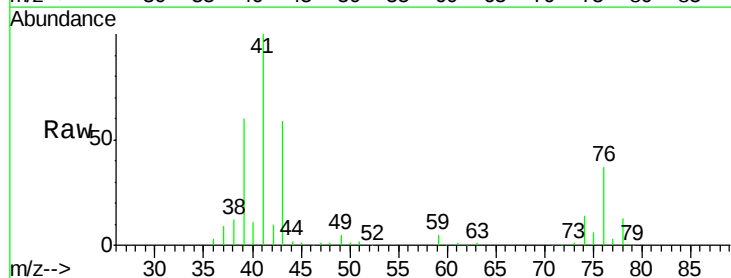
Tgt Ion: 41 Resp: 272610

Ion Ratio Lower Upper

41 100

39 58.9 49.2 73.8

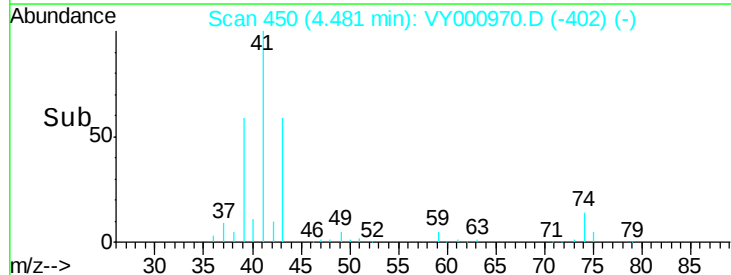
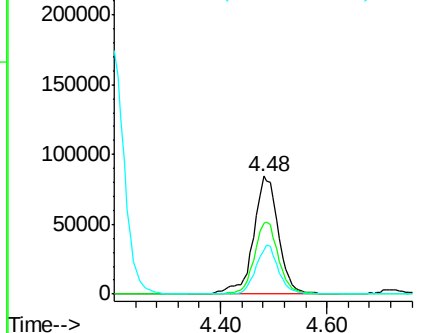
76 37.1 29.2 43.8

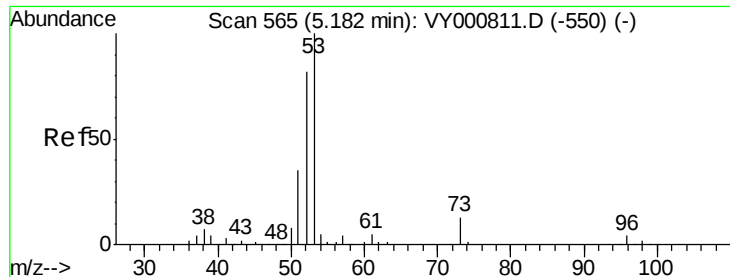


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 289.019 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

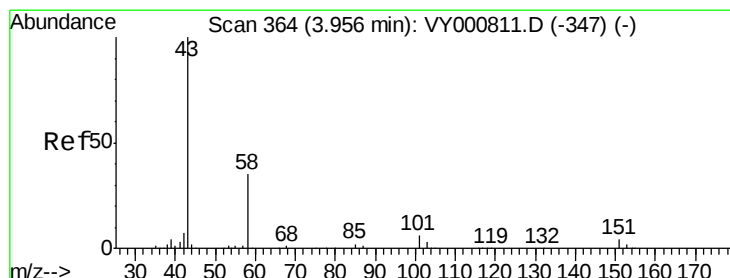
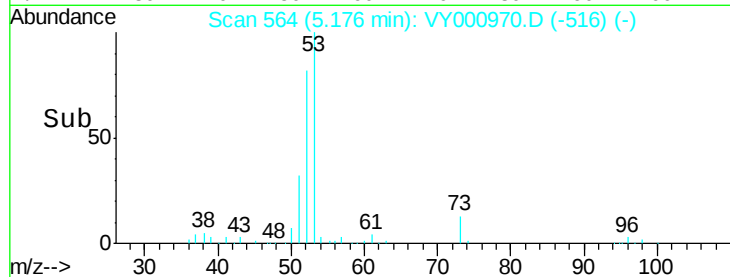
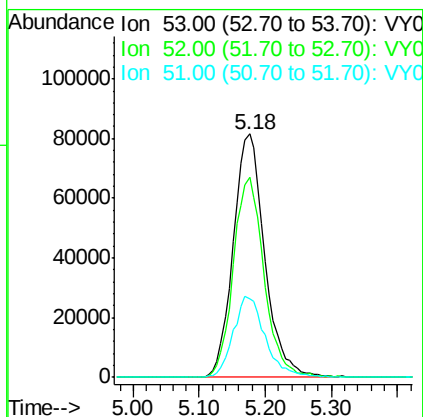
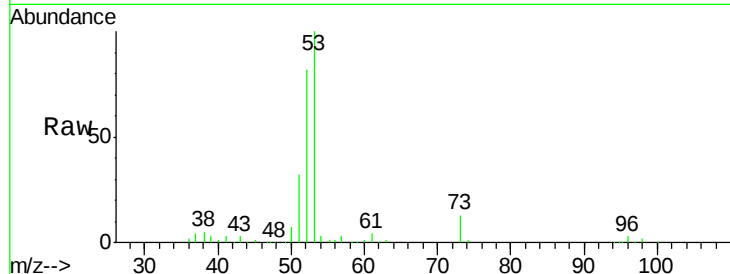
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	269287
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.1	97.7
51	33.8	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#16

Acetone

Concen: 233.027 ug/l

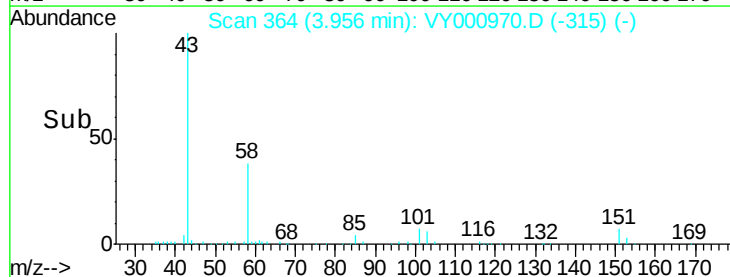
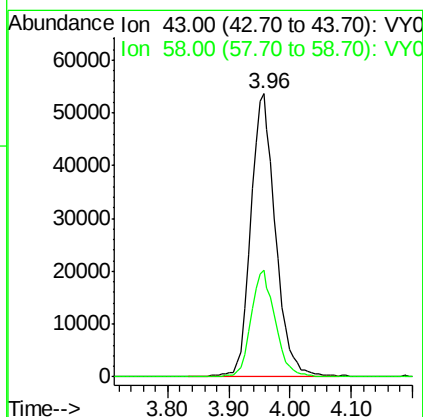
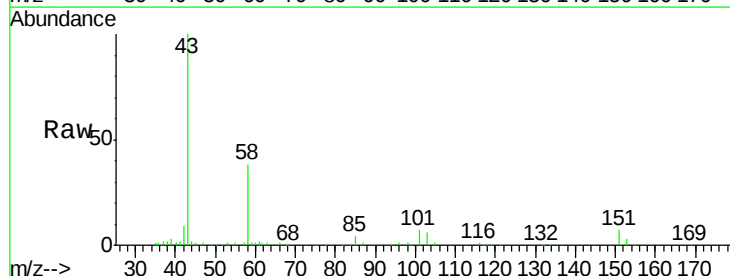
RT: 3.96 min Scan# 364

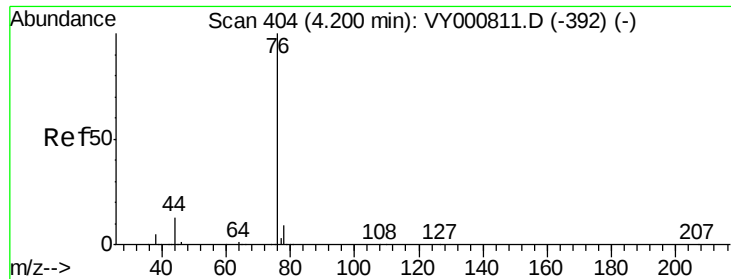
Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	43	Resp:	151940
Ion	Ratio	Lower	Upper
43	100		
58	37.6	28.0	42.0





#17

Carbon Disulfide

Concen: 50.685 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 480781

Ion Ratio Lower Upper

76 100

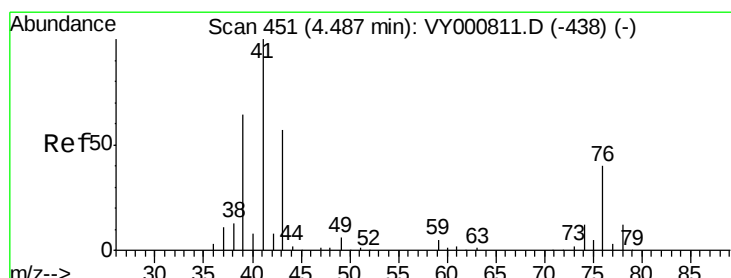
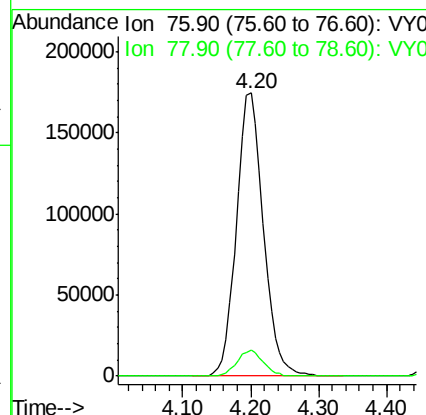
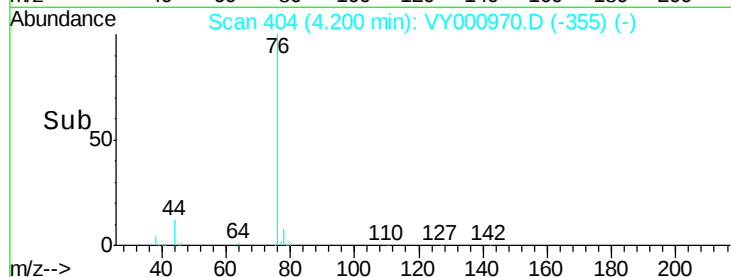
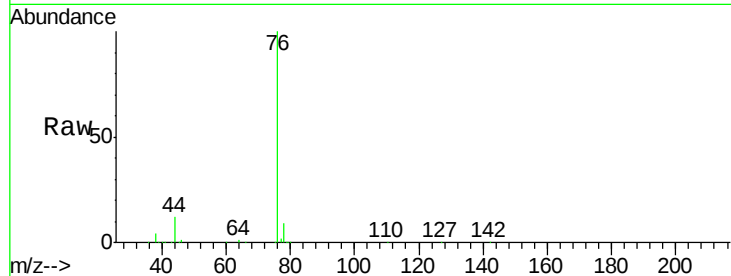
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

12/18/2019 1:01:50 PM



#18

Methyl Acetate

Concen: 55.584 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000970.D

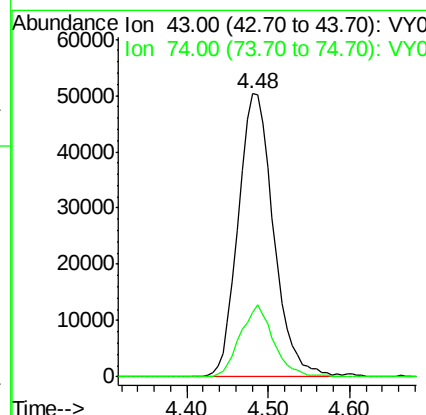
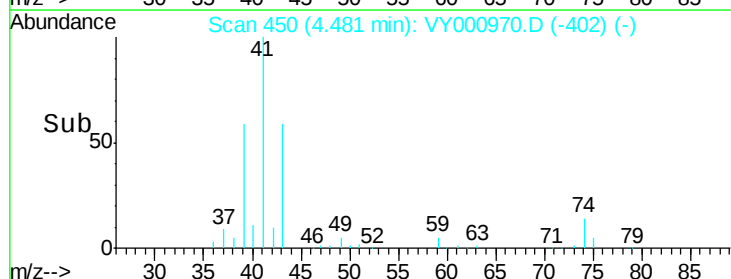
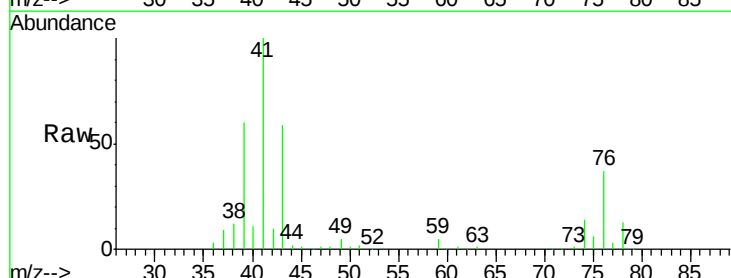
Acq: 17 Dec 2019 11:44

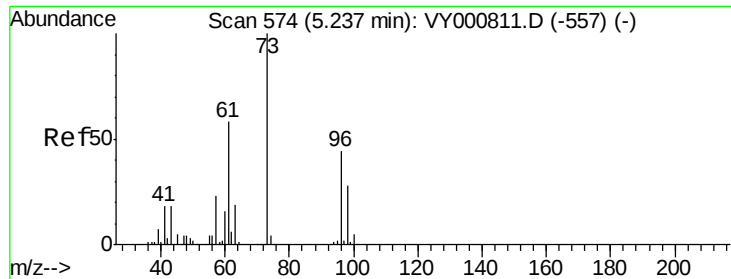
Tgt Ion: 43 Resp: 151539

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7





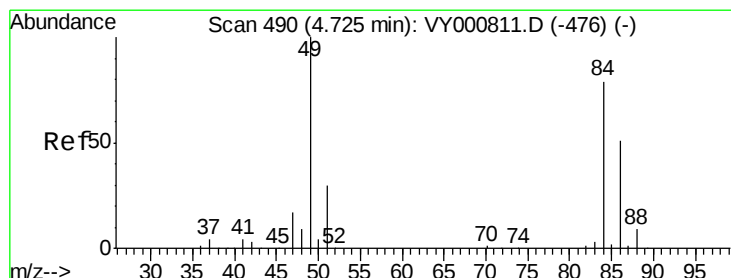
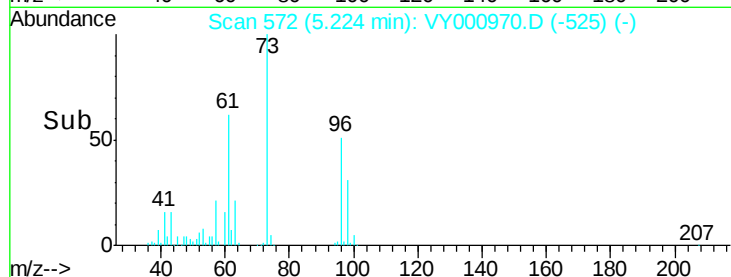
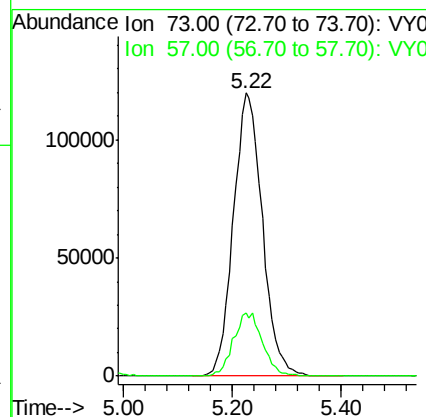
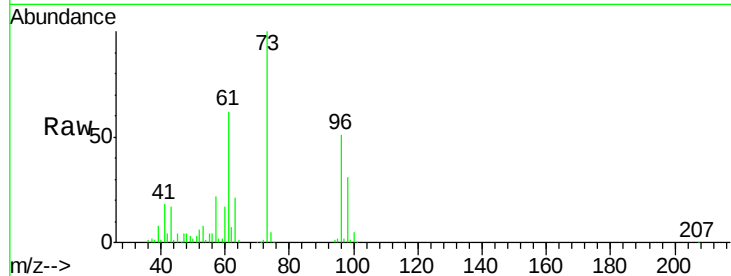
#19
Methvl tert-butvl Ether
Concen: 56.687 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 444018
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

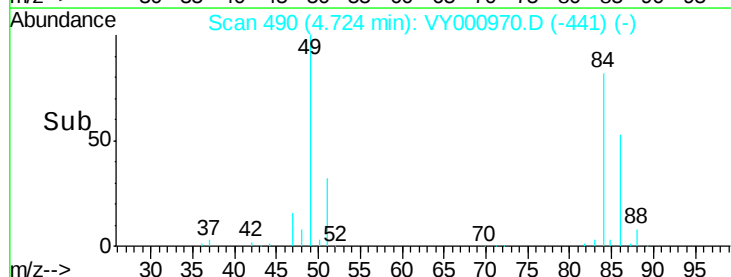
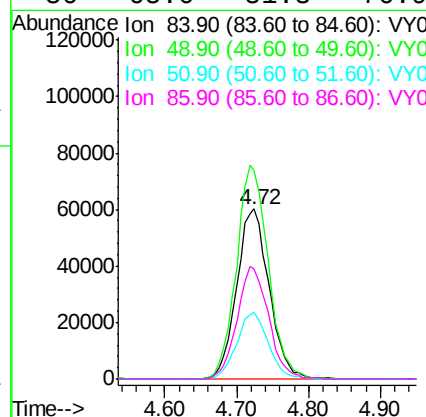
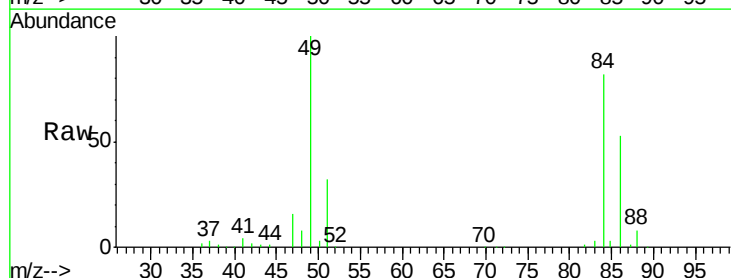
Manual Integrations
APPROVED

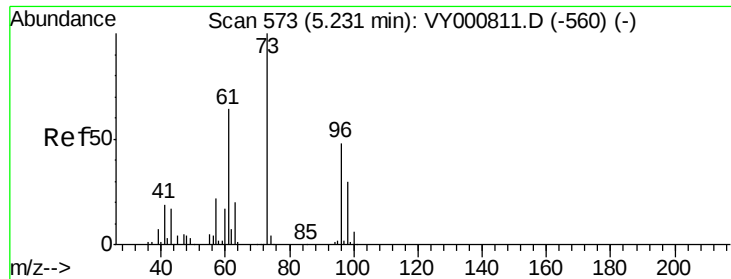
MMDadoda
12/18/2019 1:01:50 PM



#20
Methylene Chloride
Concen: 54.857 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion: 84 Resp: 188542
Ion Ratio Lower Upper
84 100
49 122.4 101.3 151.9
51 39.5 30.6 45.8
86 65.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 55.370 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

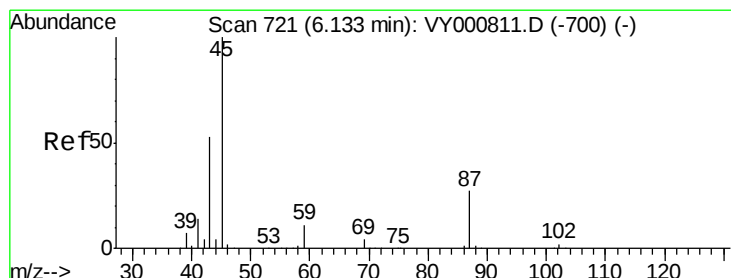
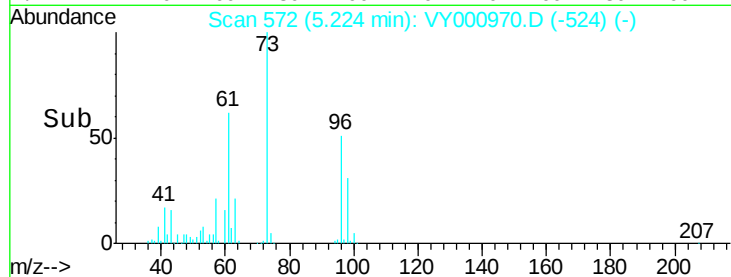
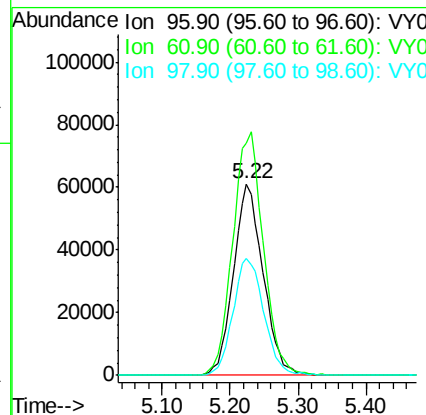
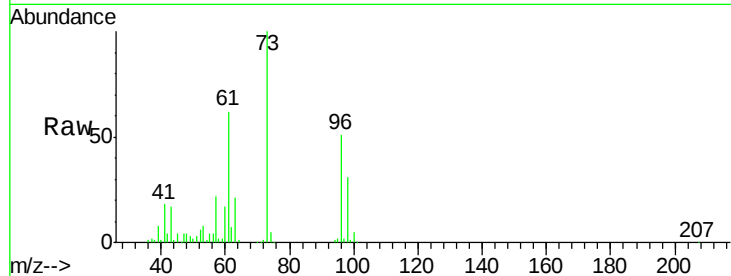
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	184581
Ion	Ratio	Lower	Upper
96	100		
61	121.6	105.9	158.9
98	60.9	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#22

Diisopropyl ether

Concen: 54.591 ug/l

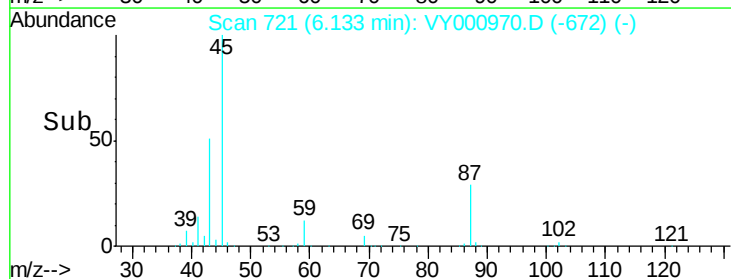
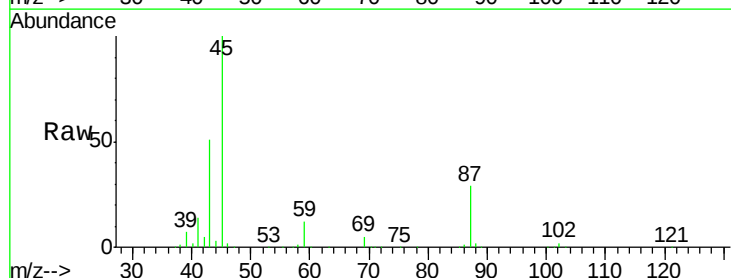
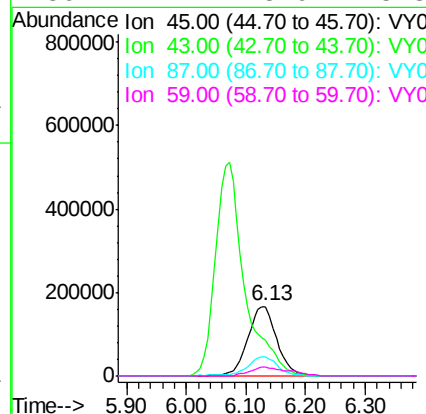
RT: 6.13 min Scan# 721

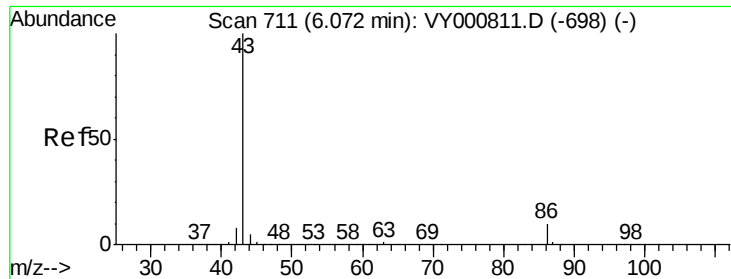
Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	45	Resp:	564257
Ion	Ratio	Lower	Upper
45	100		
43	50.7	42.7	64.1
87	28.5	22.0	33.0
59	12.1	8.9	13.3





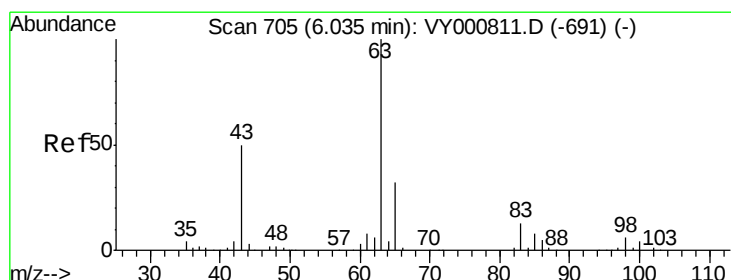
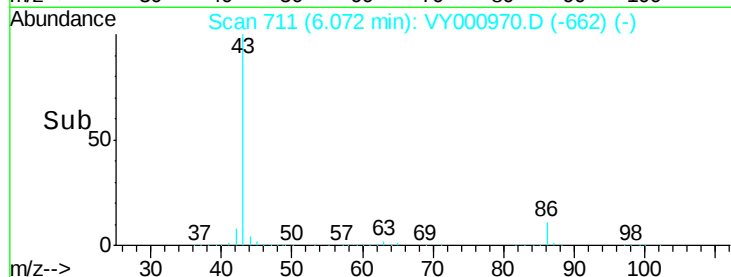
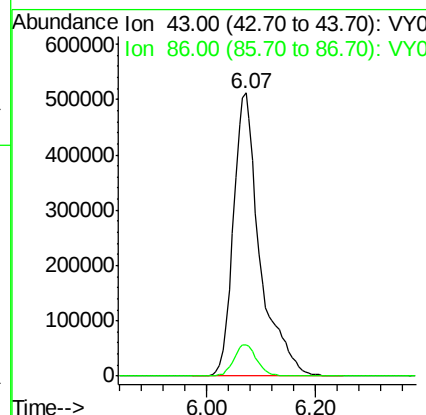
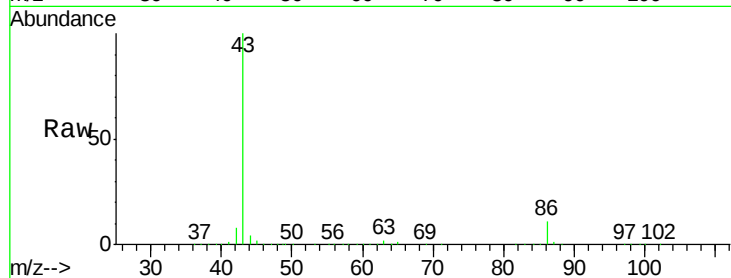
#23
 Vinyl Acetate
 Concen: 276.209 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 173591
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.3 12.5

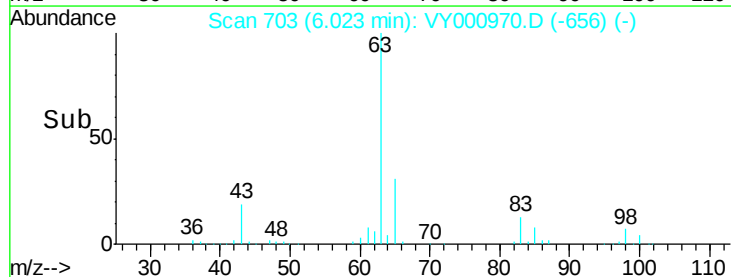
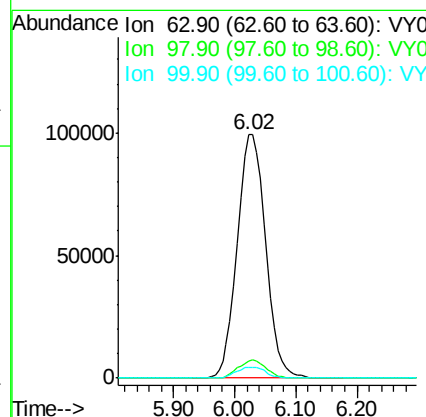
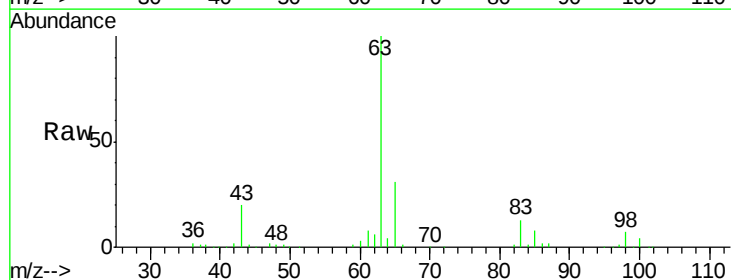
Manual Integrations
 APPROVED

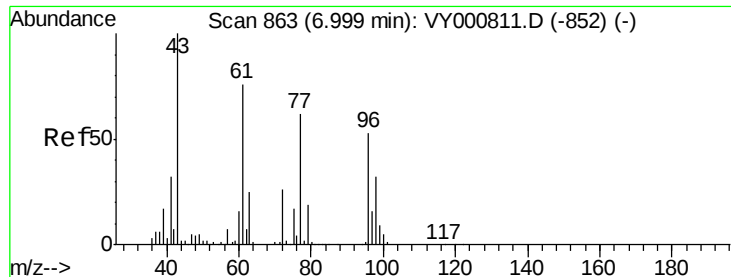
MMDadoda
 12/18/2019 1:01:50 PM



#24
 1,1-Dichloroethane
 Concen: 55.815 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion: 63 Resp: 317969
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.8
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 255.181 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 307357

Ion Ratio Lower Upper

43 100

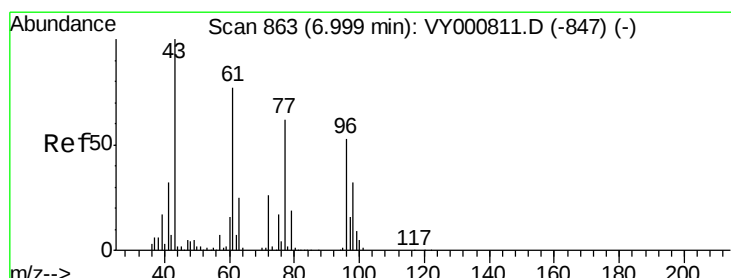
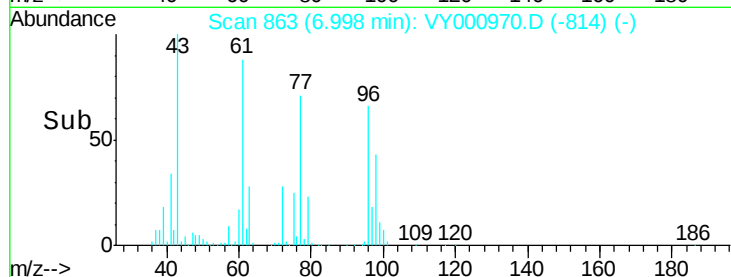
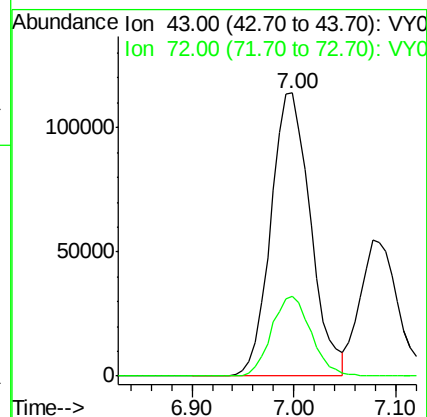
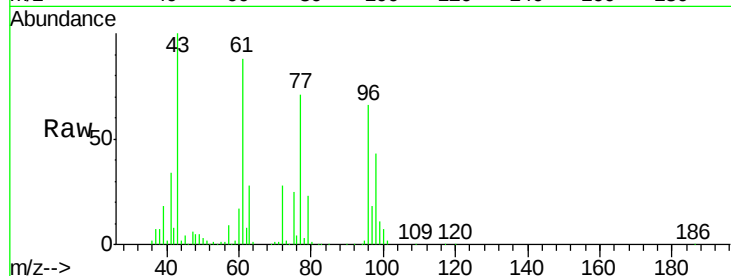
72 28.2 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

12/18/2019 1:01:50 PM



#26

2,2-Dichloropropane

Concen: 55.442 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000970.D

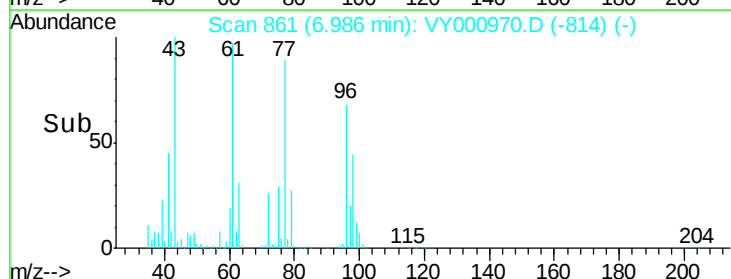
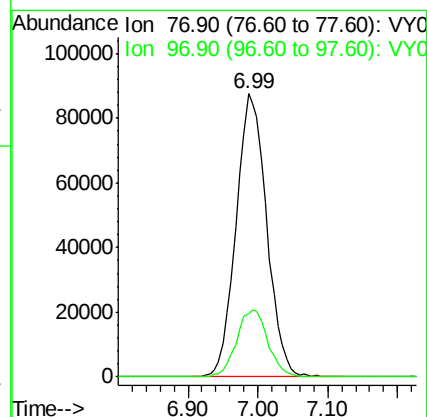
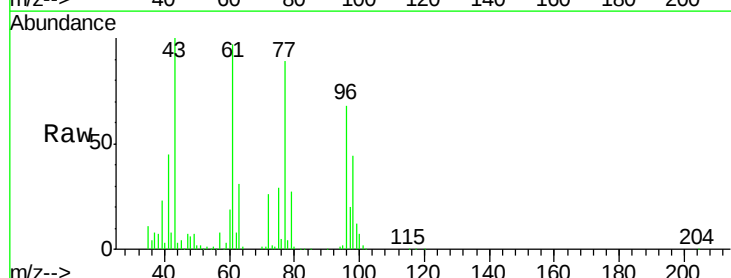
Acq: 17 Dec 2019 11:44

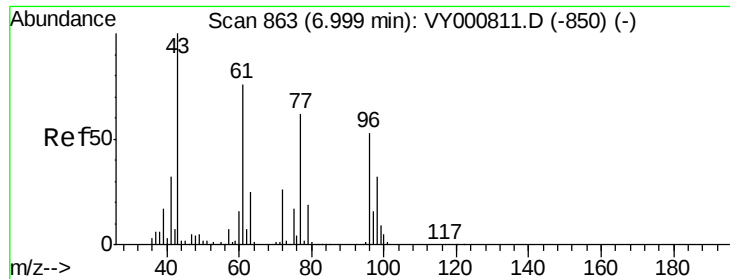
Tgt Ion: 77 Resp: 265828

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

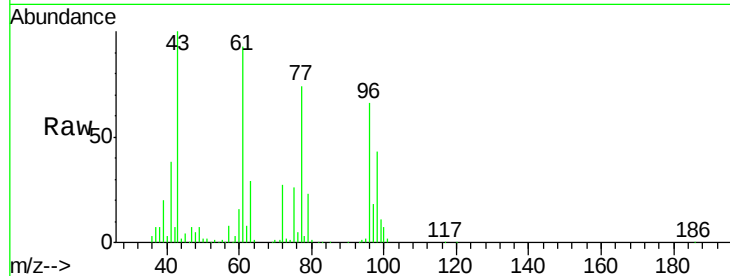
cis-1,2-Dichloroethene
Concen: 57.262 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

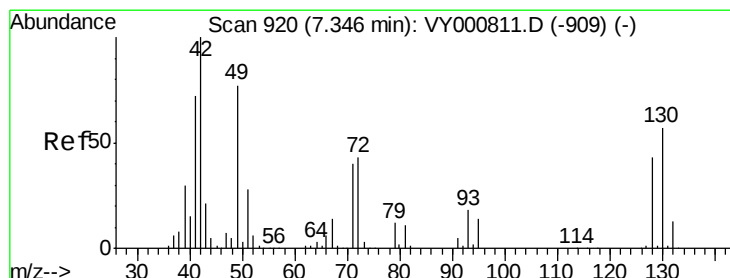
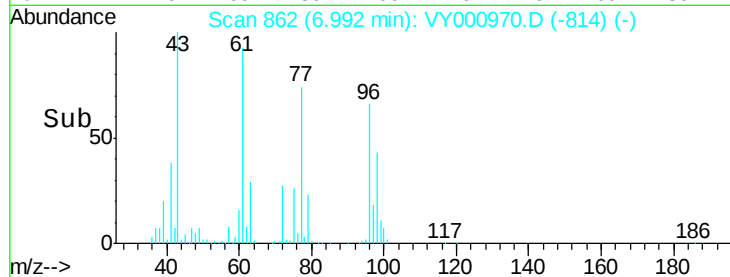
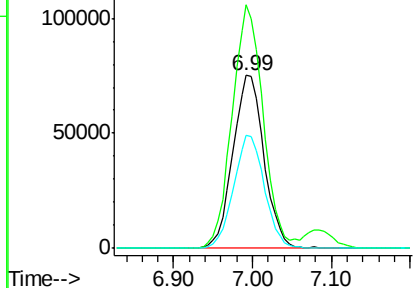
Tot Ion	Ratio	Resp	Lower	Upper
96	100	206341		
61	139.2		0.0	285.0
98	65.0		0.0	128.0

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



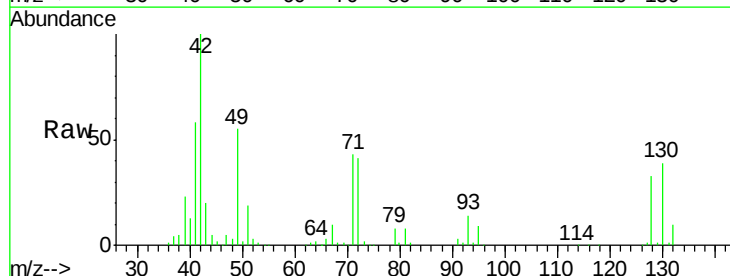
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



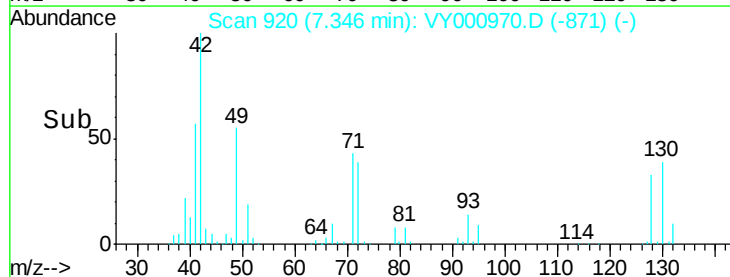
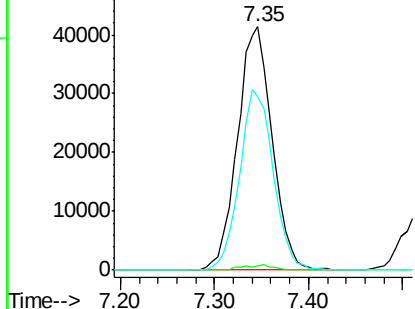
#28

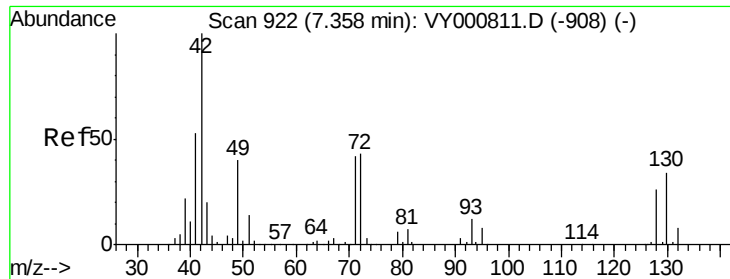
Bromochloromethane
Concen: 50.770 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106113		
129	1.9		0.0	3.8
130	72.2		58.7	88.1



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





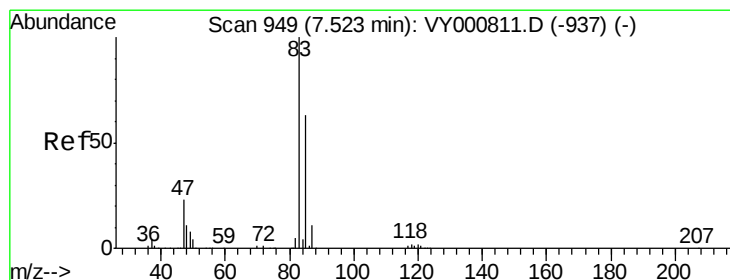
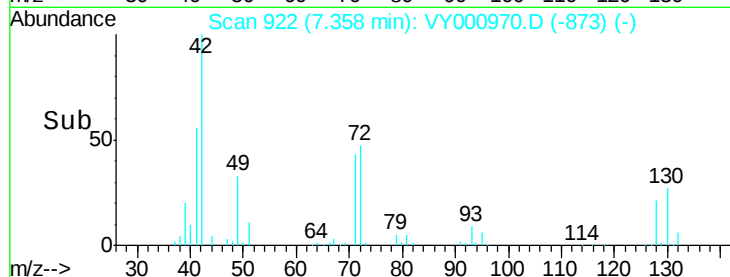
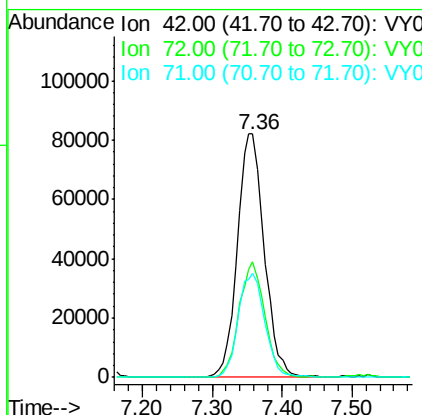
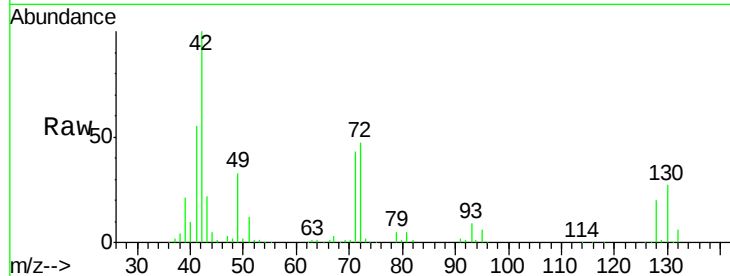
#29
Tetrahydrofuran
Concen: 274.685 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.1	52.7
71	42.2	32.8	49.2

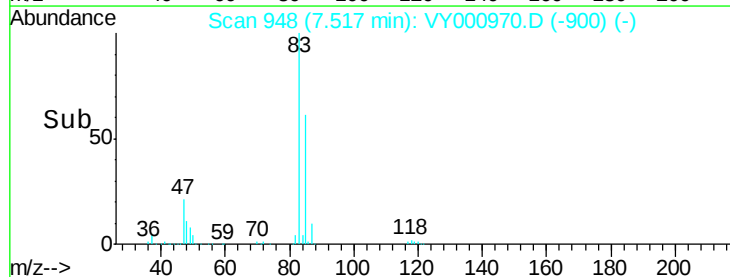
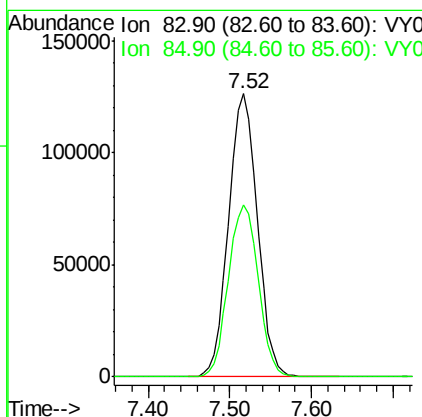
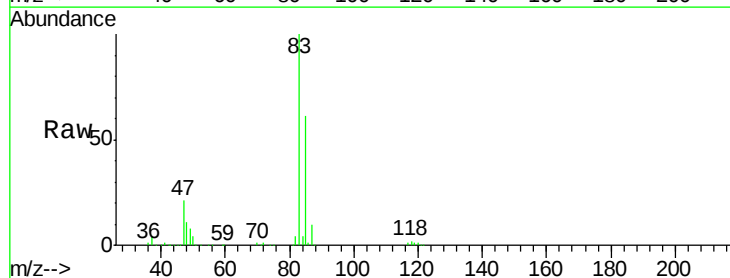
Manual Integrations
APPROVED

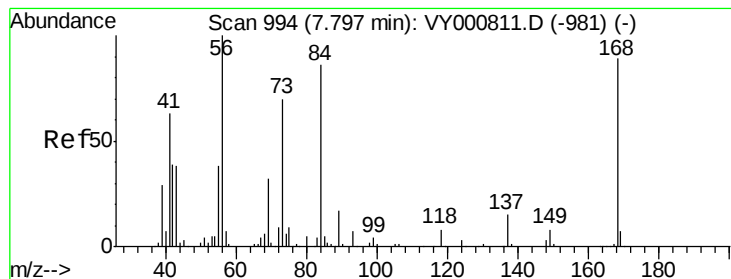
MMDadoda
12/18/2019 1:01:50 PM



#30
Chloroform
Concen: 53.811 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.4	75.6





#31

Cyclohexane

Concen: 52.155 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 314749

Ion Ratio Lower Upper

56 100

69 31.6 25.9 38.9

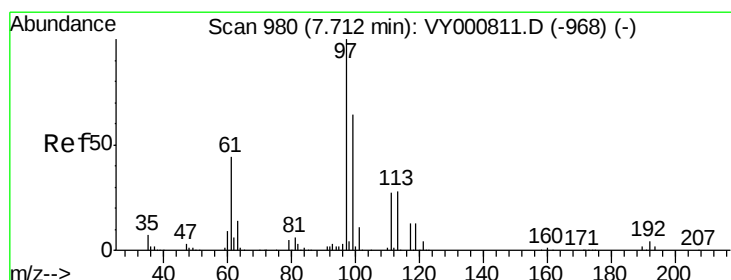
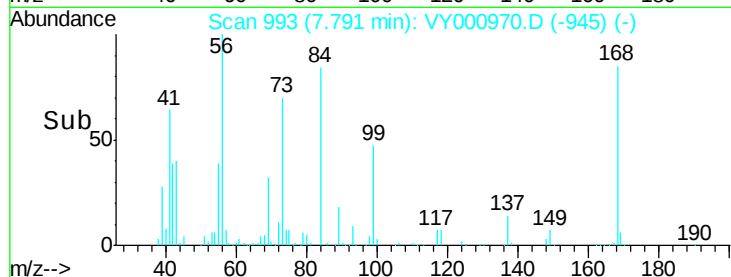
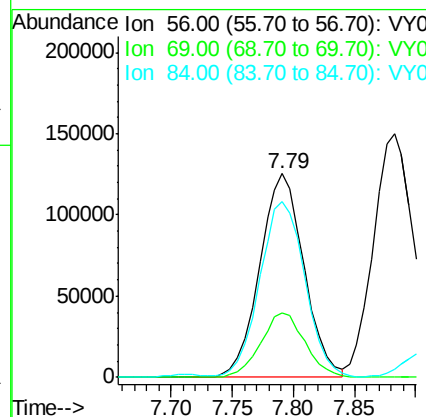
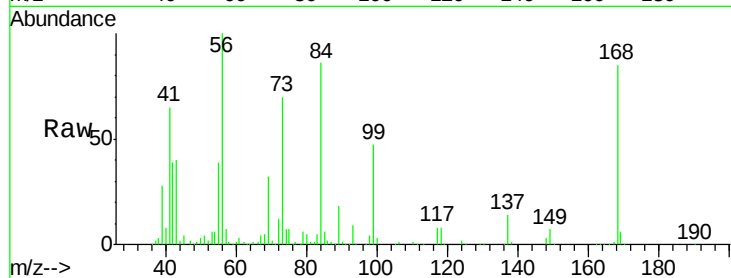
84 85.2 68.6 102.8

Manual Integrations

APPROVED

MMDadoda

12/18/2019 1:01:50 PM



#32

1,1,1-Trichloroethane

Concen: 55.666 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

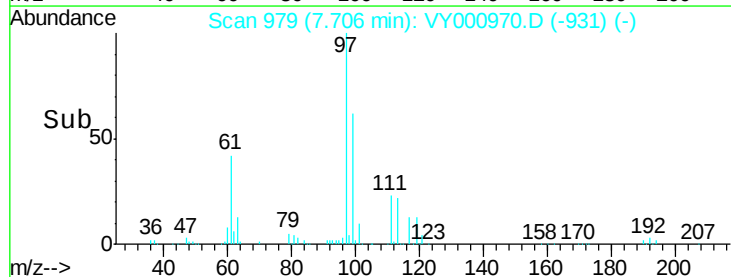
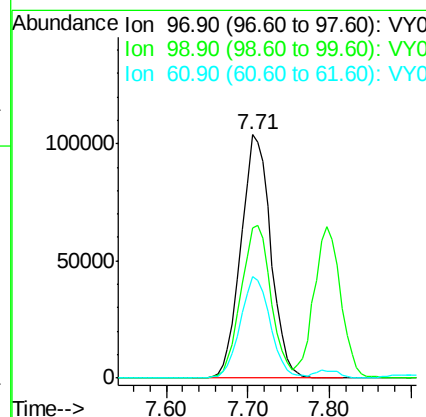
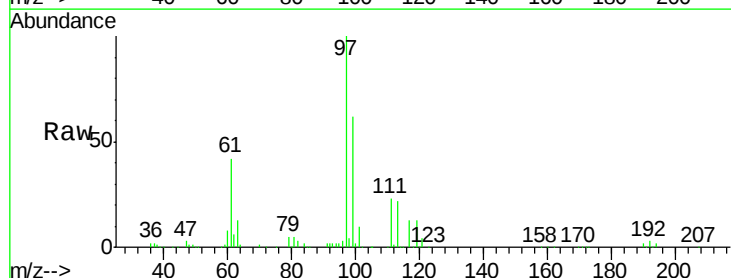
Tgt Ion: 97 Resp: 262690

Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

61 41.9 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 48.561 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 138027

Ion Ratio Lower Upper

65 100

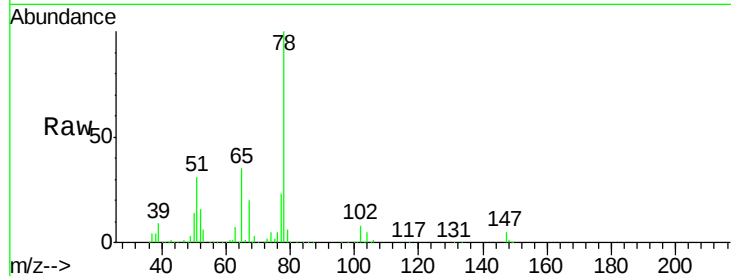
67 56.9 0.0 112.0

Manual Integrations

APPROVED

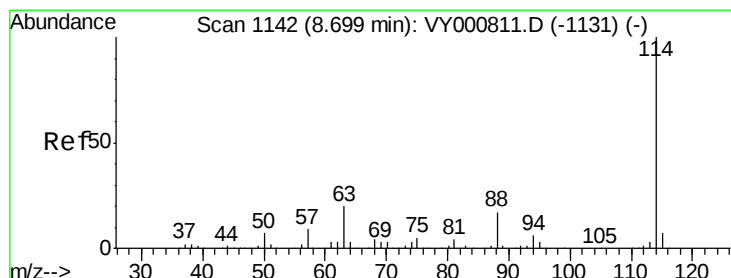
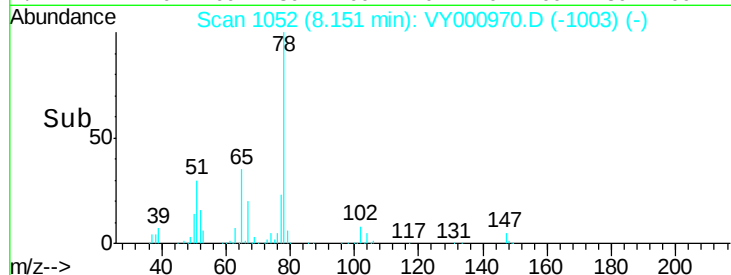
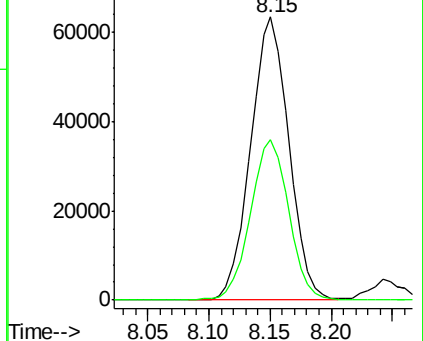
MMDadoda

12/18/2019 1:01:50 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

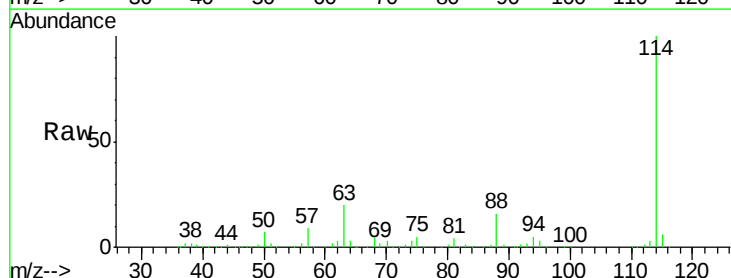
Tgt Ion:114 Resp: 453867

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

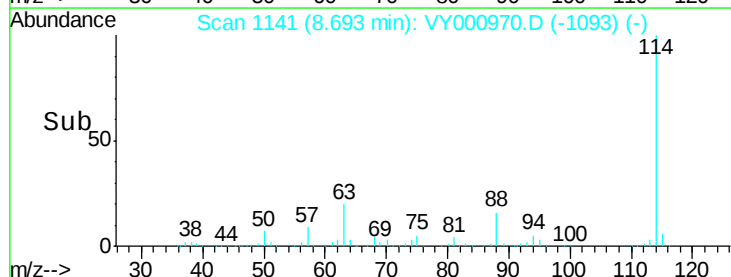
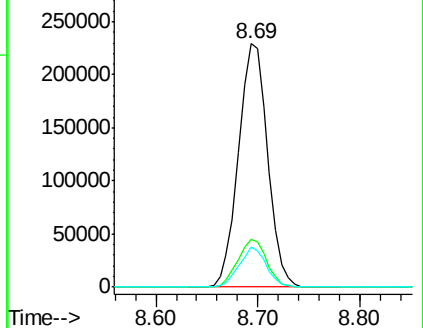
88 16.4 0.0 33.2

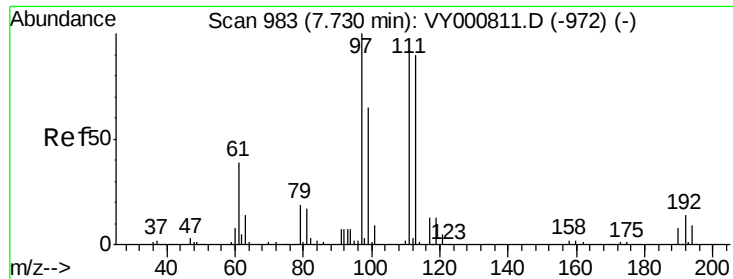


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.422 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

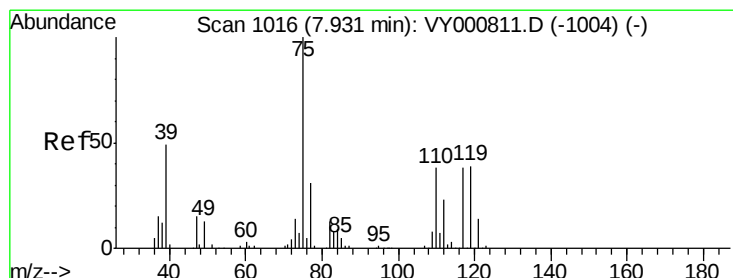
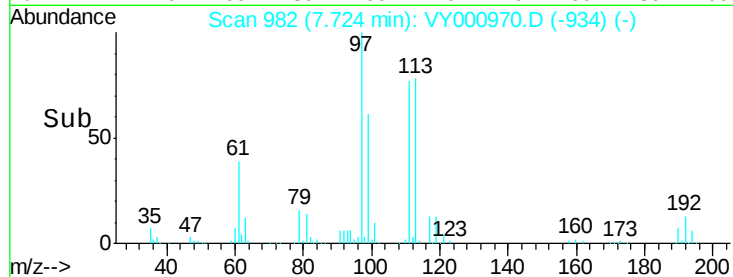
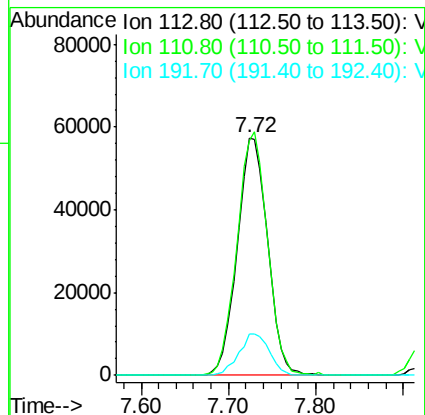
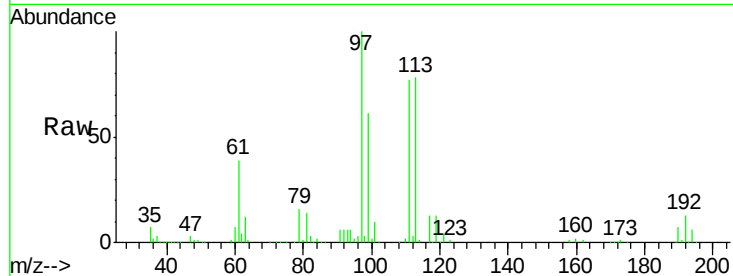
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	138662
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.4	123.6
192	17.6	14.2	21.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#36

1,1-Dichloropropene

Concen: 55.436 ug/l

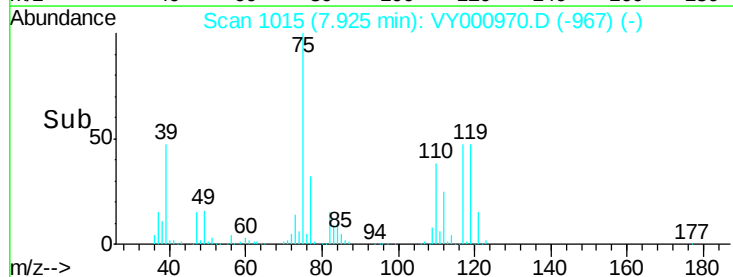
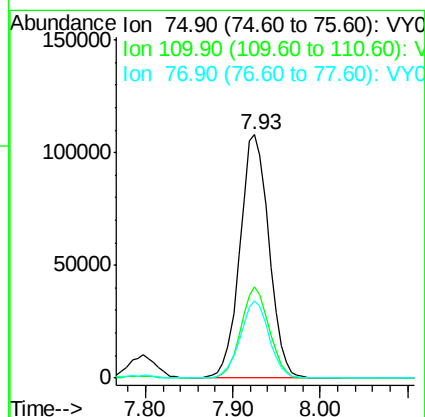
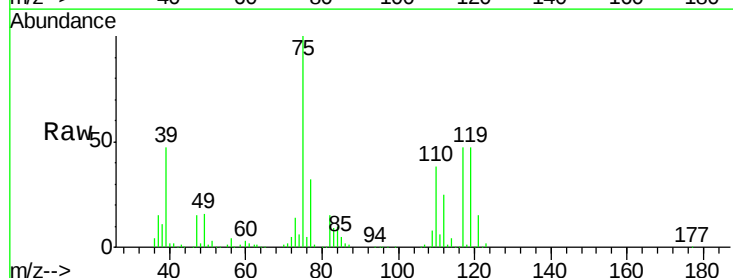
RT: 7.93 min Scan# 1015

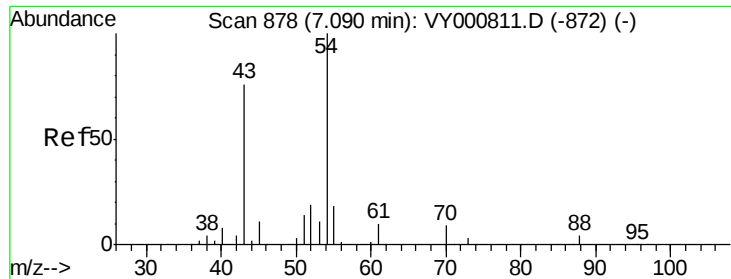
Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	75	Resp:	250170
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.9	53.7
77	31.4	24.7	37.1





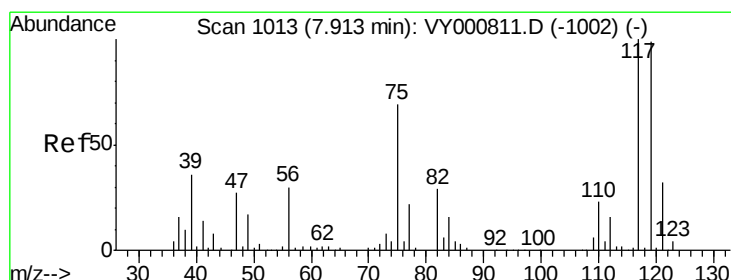
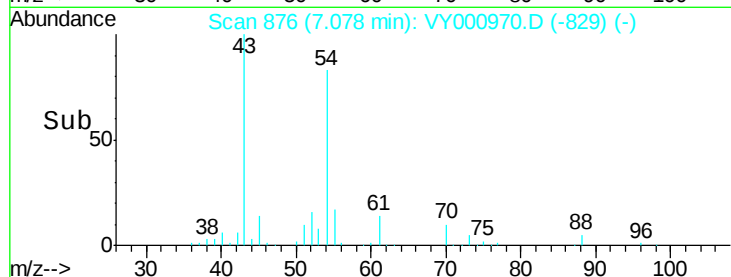
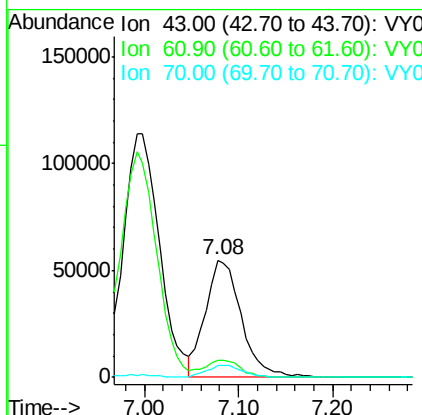
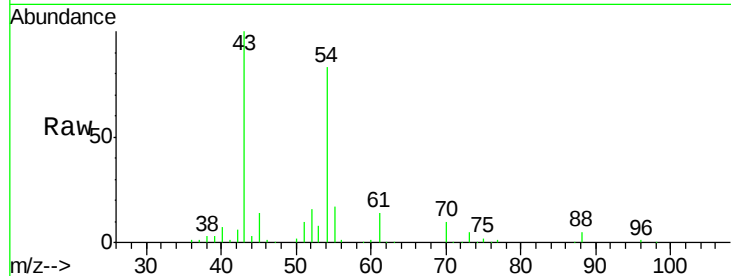
#37
Ethyl Acetate
Concen: 55.305 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.8
70	10.6	8.7	13.1

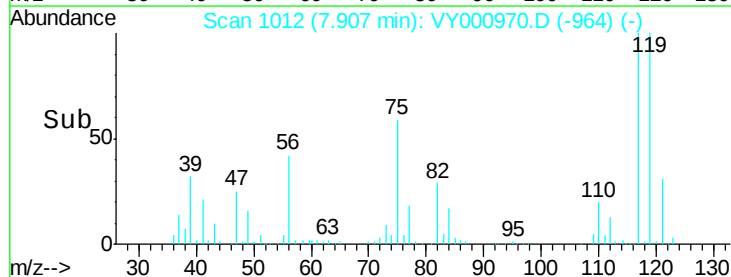
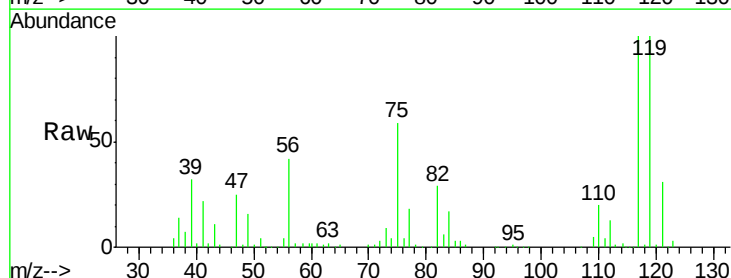
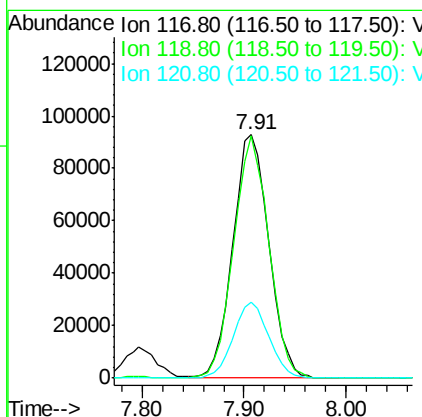
Manual Integrations
APPROVED

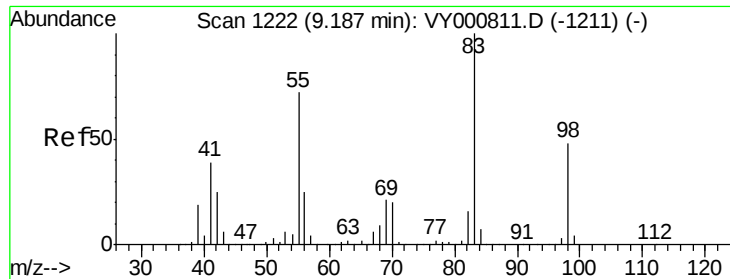
MMDadoda
12/18/2019 1:01:50 PM



#38
Carbon Tetrachloride
Concen: 56.686 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	79.3	118.9
121	31.2	25.5	38.3





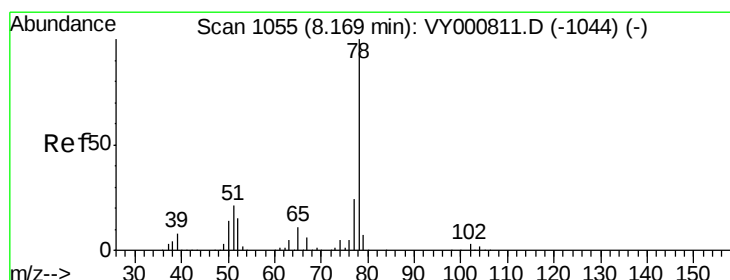
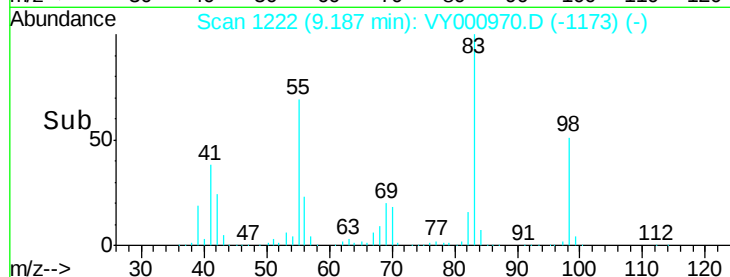
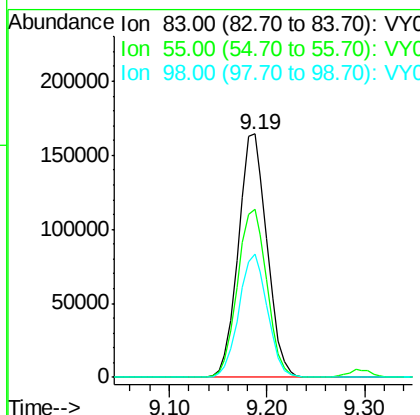
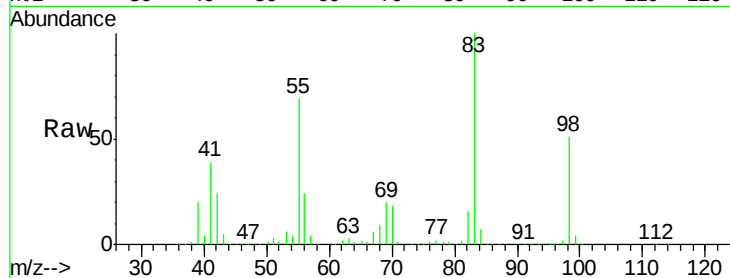
#39
Methylvlcyclohexane
Concen: 55.695 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.8	57.8	86.6	
98	50.7	38.6	58.0	

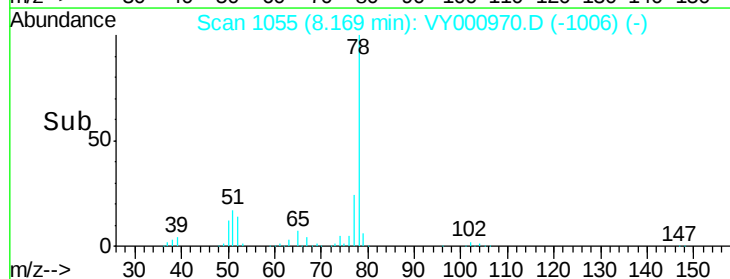
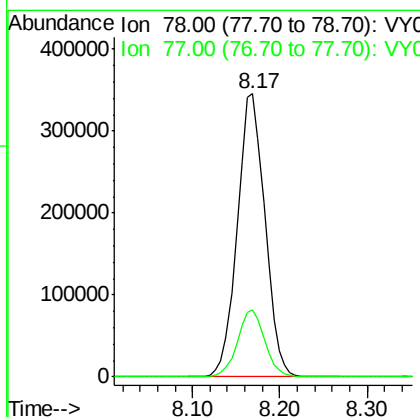
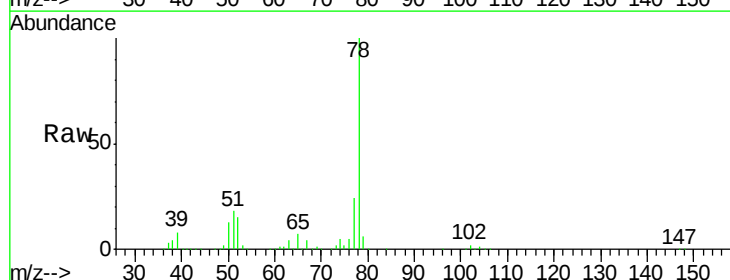
Manual Integrations
APPROVED

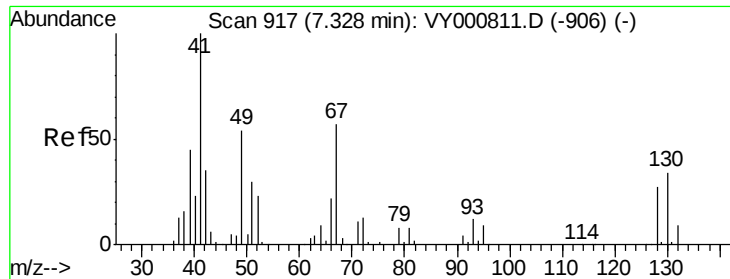
MMDadoda
12/18/2019 1:01:50 PM



#40
Benzene
Concen: 57.768 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.2	28.8	





#41

Methacrylonitrile

Concen: 41.198 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56580
Ion Ratio Lower Upper

41 100

39 0.0 95.7 143.5#

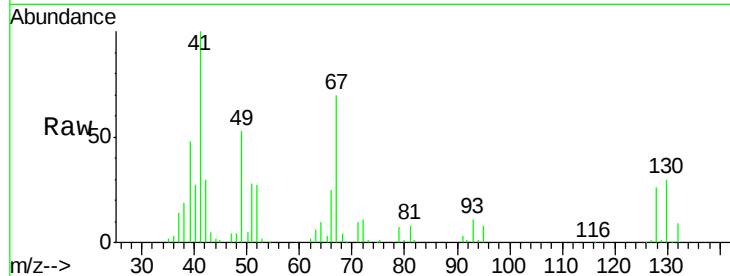
67 0.0 0.0 0.0

52 0.0 0.0 0.0

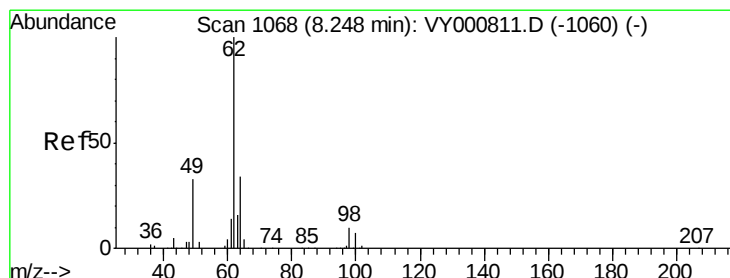
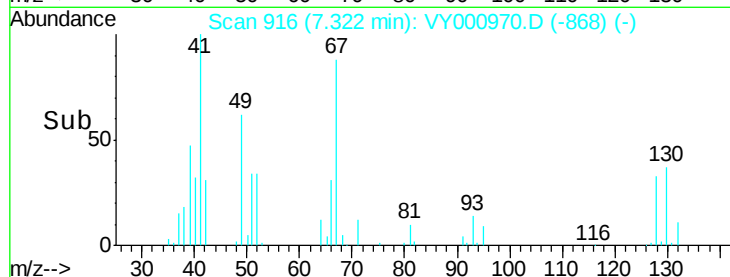
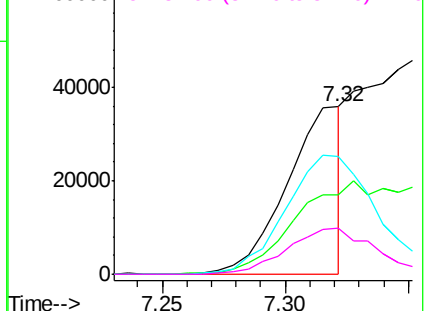
Manual Integrations
APPROVED

MMDadoda

12/18/2019 1:01:50 PM



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 55.431 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

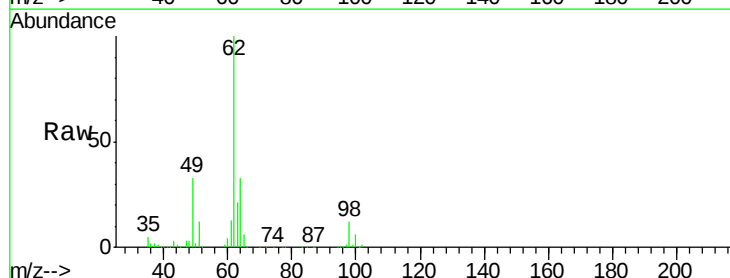
Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

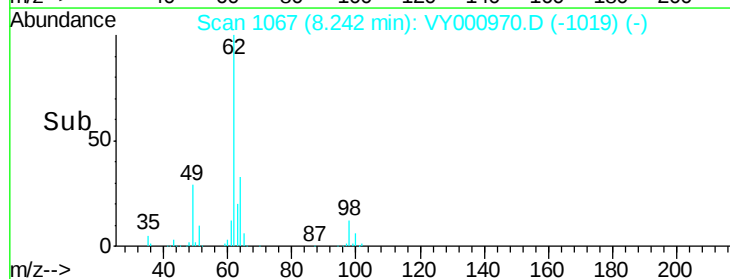
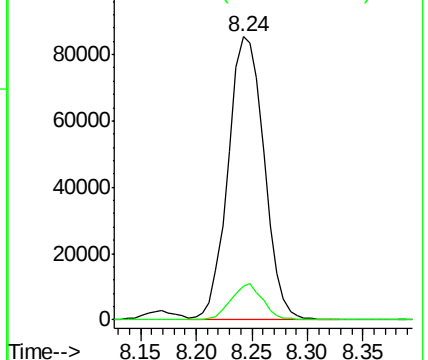
Tgt Ion: 62 Resp: 191626
Ion Ratio Lower Upper

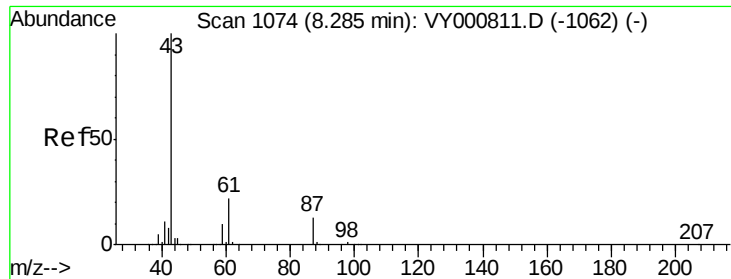
62 100

98 11.3 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





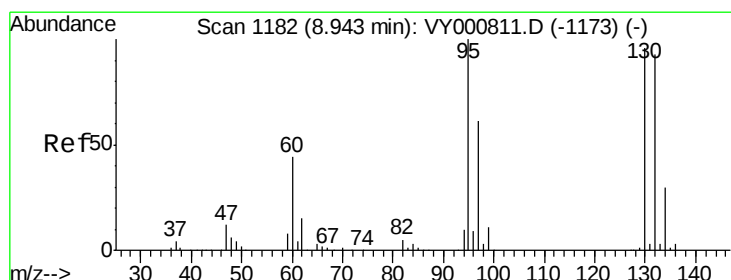
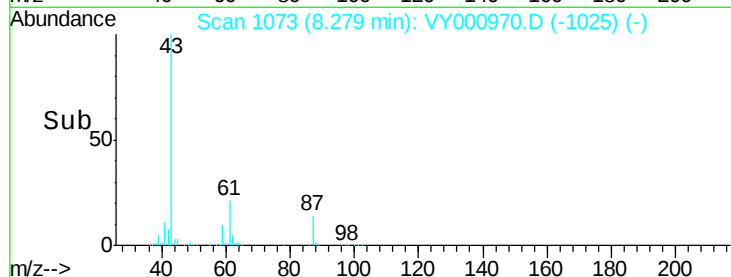
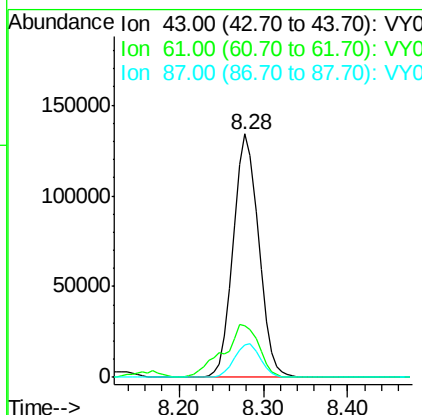
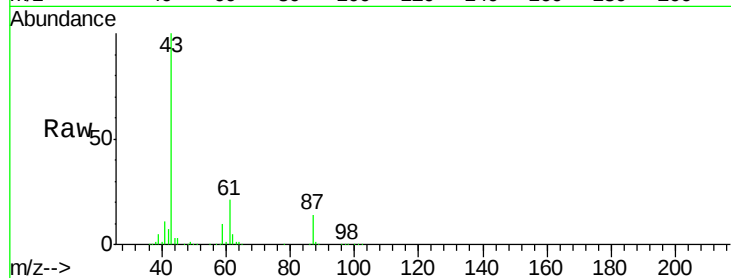
#43
Isopropyl Acetate
Concen: 55.812 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.7	35.5
87	14.2	10.6	15.8

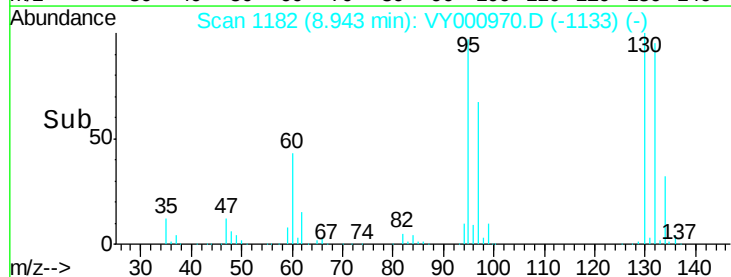
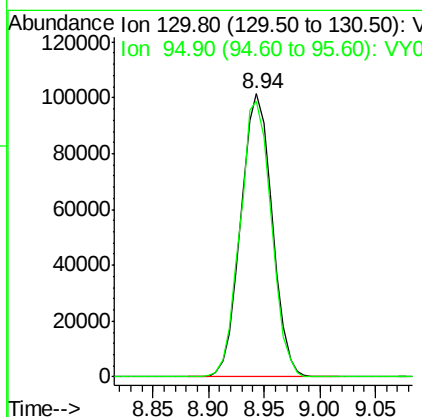
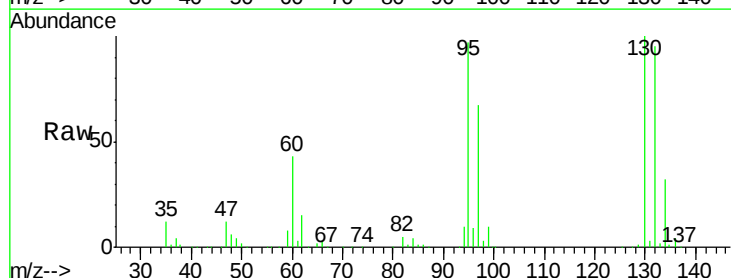
Manual Integrations
APPROVED

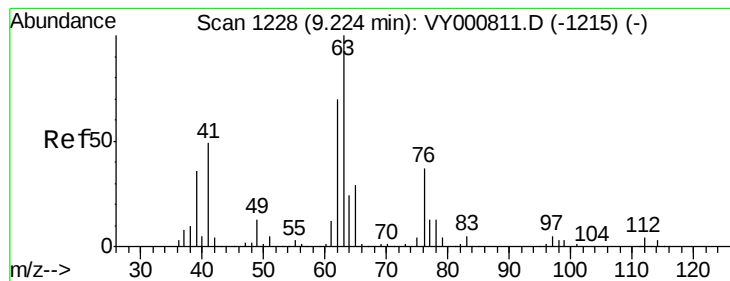
MMDadoda
12/18/2019 1:01:50 PM



#44
Trichloroethene
Concen: 58.748 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	207.8





#45

1,2-Dichloropropane

Concen: 58.260 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 192362

Ion Ratio Lower Upper

63 100

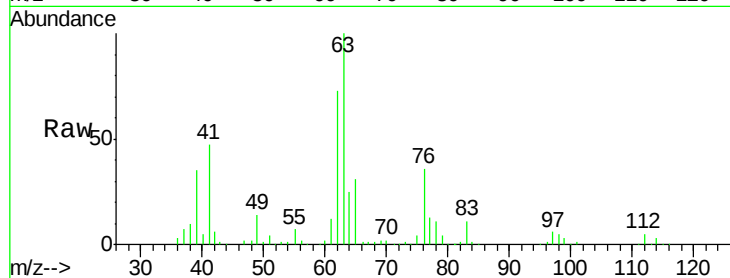
65 31.0 23.2 34.8

Manual Integrations

APPROVED

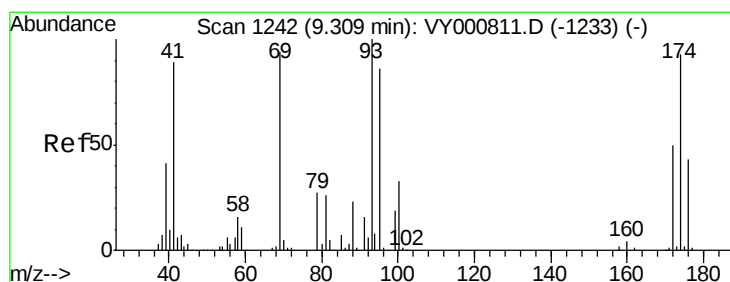
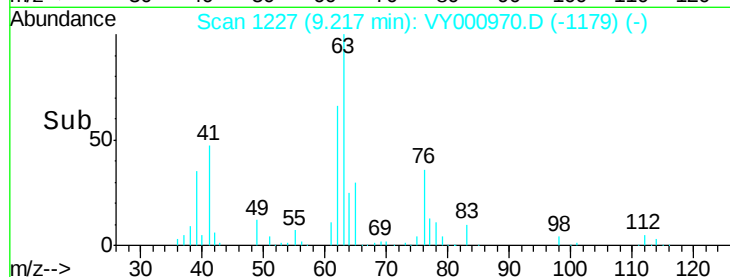
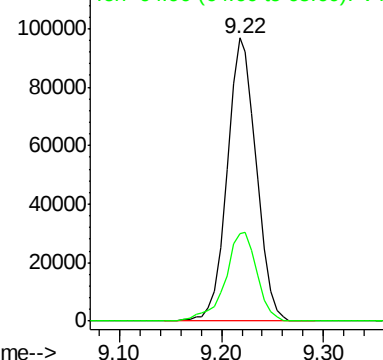
MMDadoda

12/18/2019 1:01:50 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 58.765 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

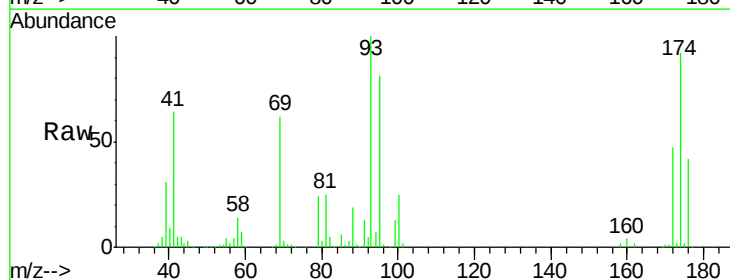
Tgt Ion: 93 Resp: 101379

Ion Ratio Lower Upper

93 100

95 81.9 66.4 99.6

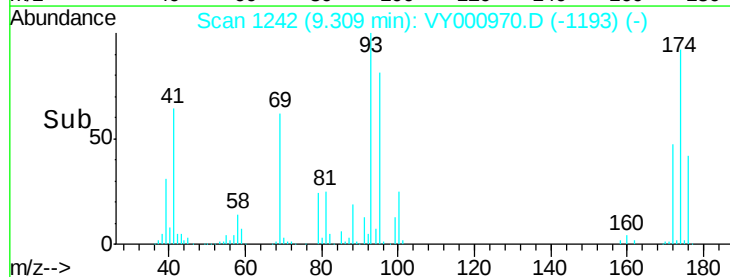
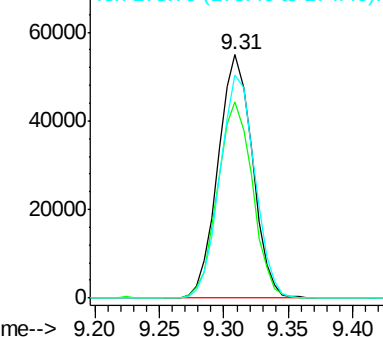
174 93.1 73.0 109.6

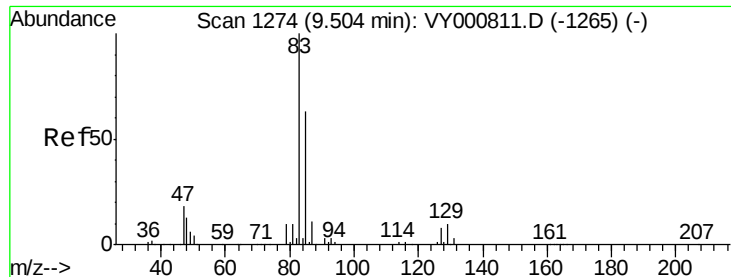


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 58.070 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

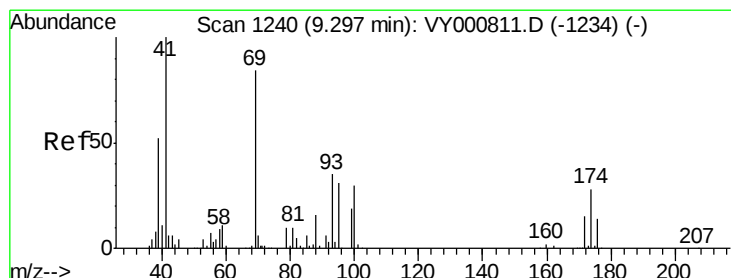
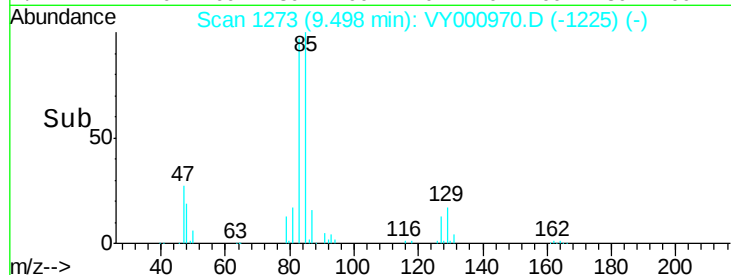
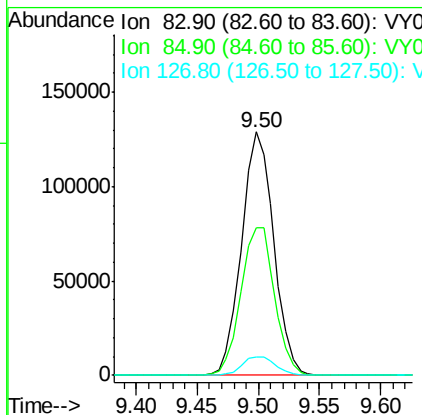
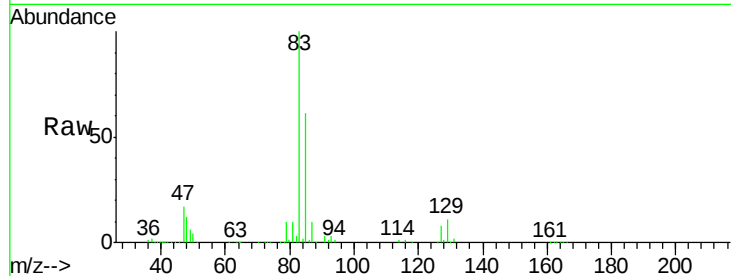
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235339
Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.8	76.2
127	7.8	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#48

Methyl methacrylate

Concen: 53.949 ug/l

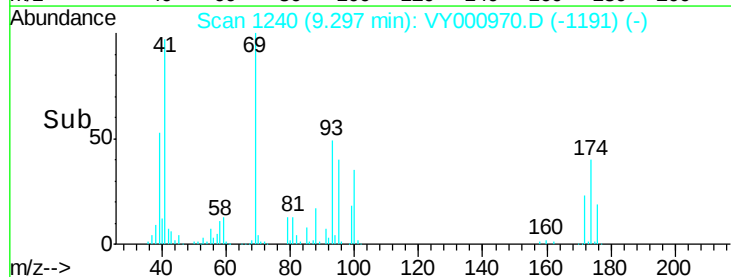
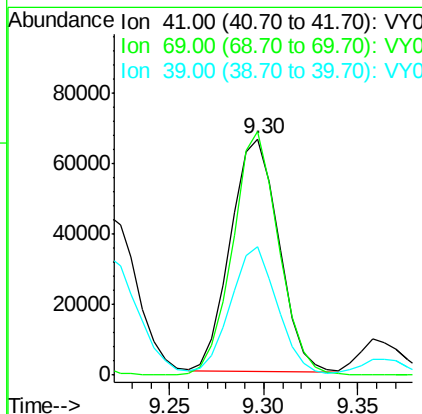
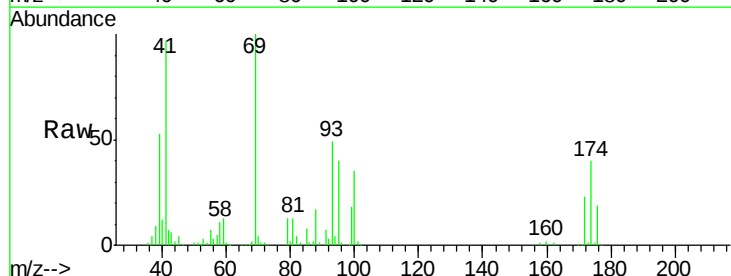
RT: 9.30 min Scan# 1240

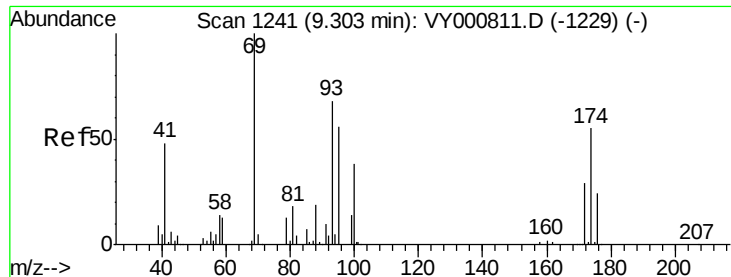
Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	41	Resp:	116493
Ion	Ratio	Lower	Upper
41	100		
69	100.8	70.4	105.6
39	54.4	40.9	61.3





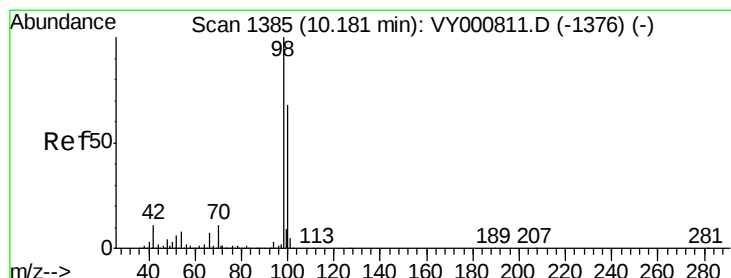
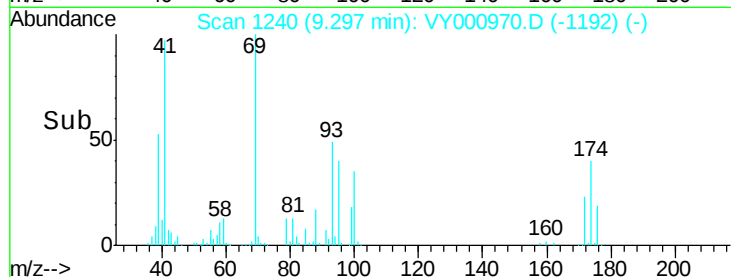
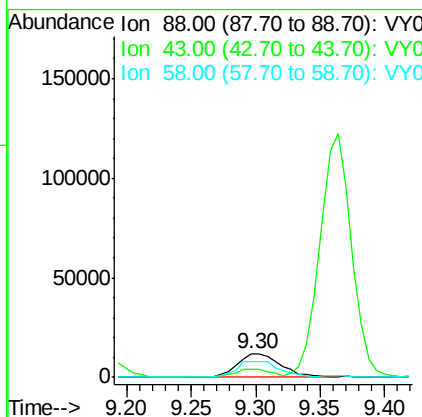
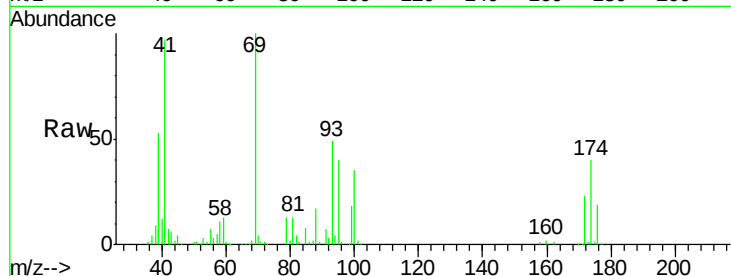
#49
1,4-Dioxane
Concen: 1157.164 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	28286
Ion	Ratio	Lower	Upper
88	100		
43	29.7	21.1	31.7
58	69.4	50.7	76.1

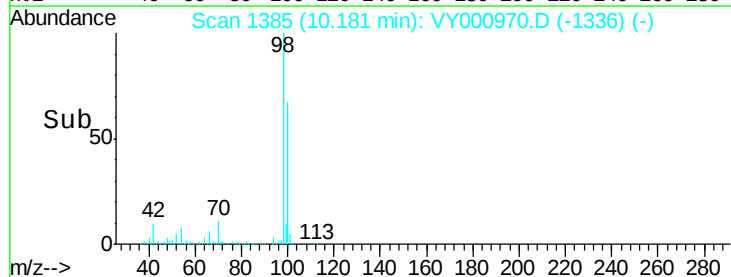
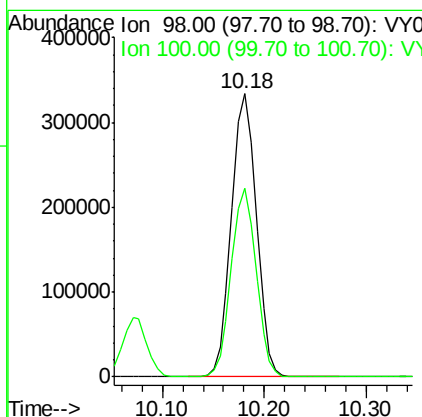
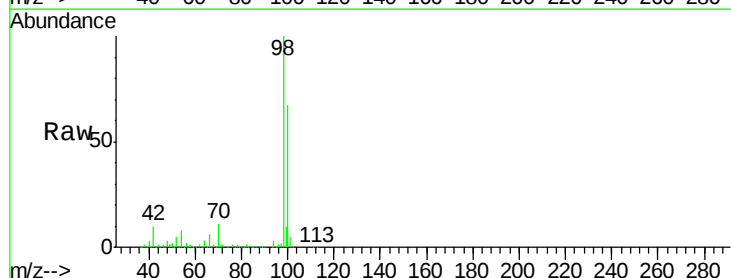
Manual Integrations
APPROVED

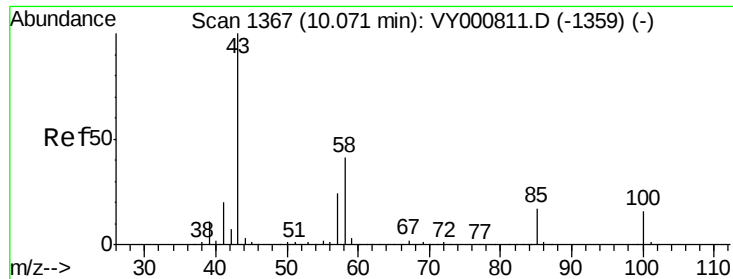
MMDadoda
12/18/2019 1:01:50 PM



#50
Toluene-d8
Concen: 53.493 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	98	Resp	565693
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





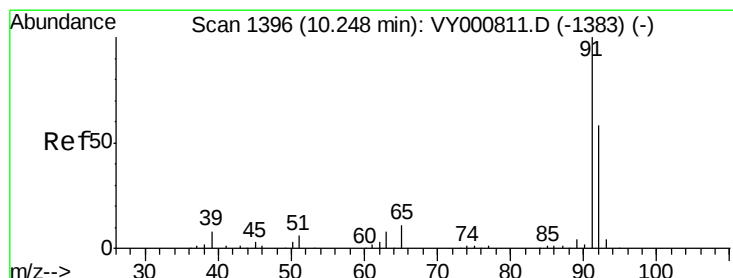
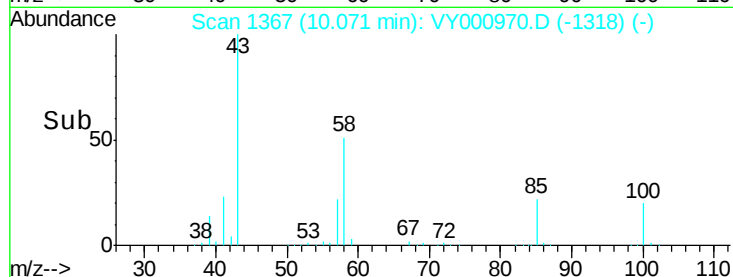
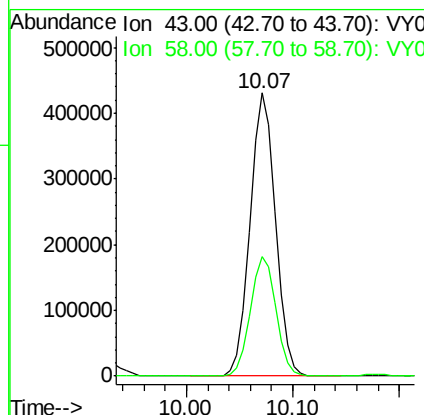
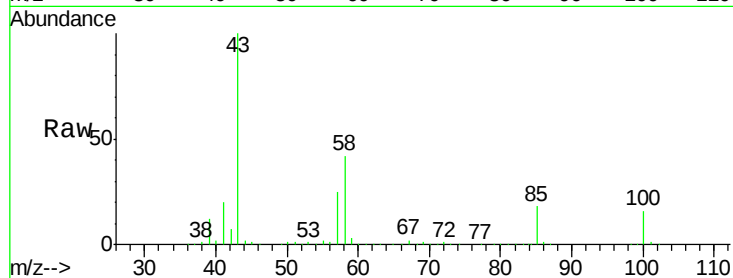
#51
4-Methyl-2-Pentanone
Concen: 285.334 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 723929
Ion Ratio Lower Upper
43 100
58 42.4 33.1 49.7

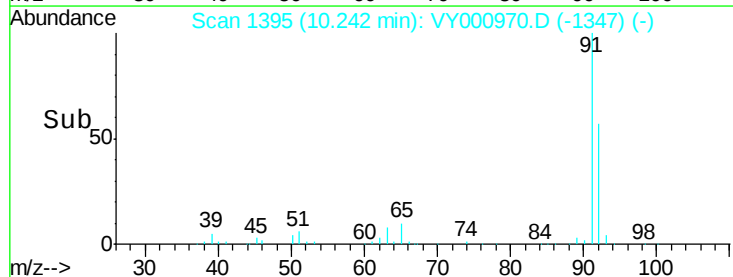
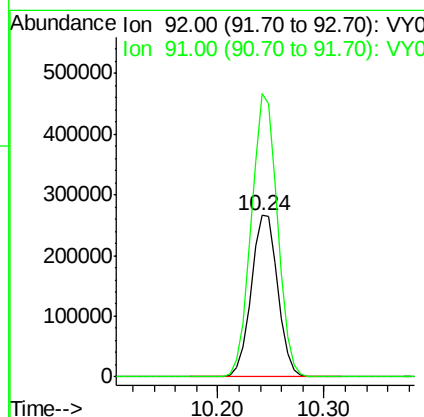
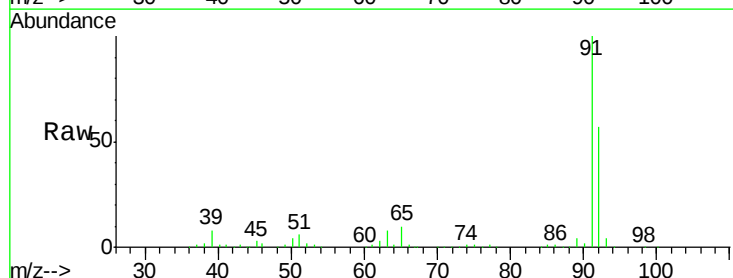
Manual Integrations
APPROVED

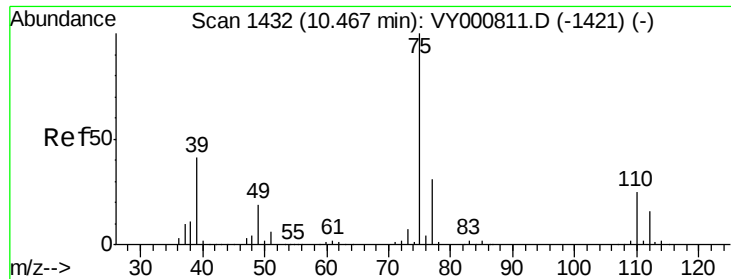
MMDadoda
12/18/2019 1:01:50 PM



#52
Toluene
Concen: 57.246 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion: 92 Resp: 465912
Ion Ratio Lower Upper
92 100
91 172.4 136.6 204.8





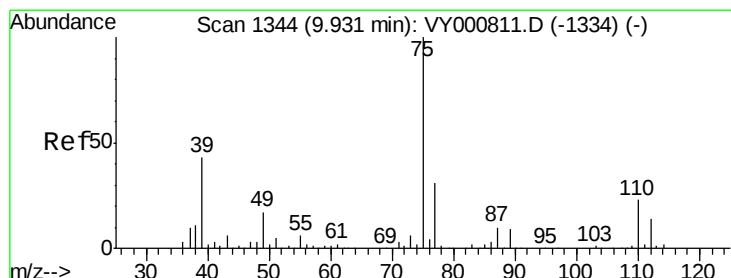
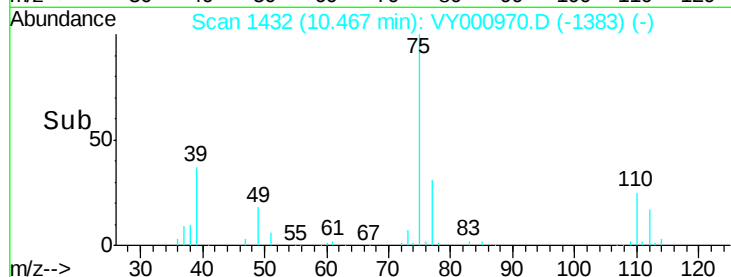
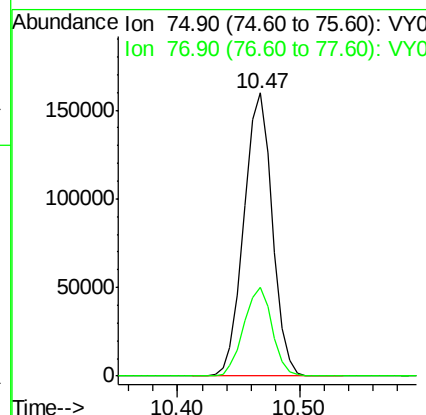
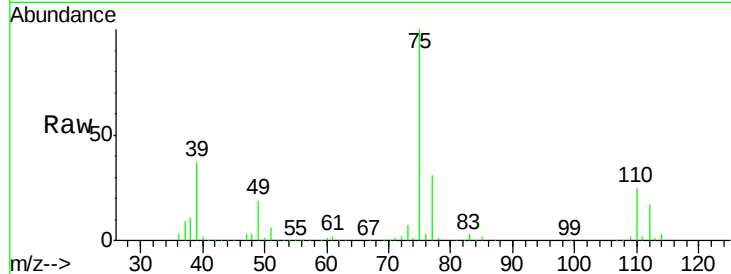
#53
t-1,3-Dichloropropene
Concen: 59.000 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

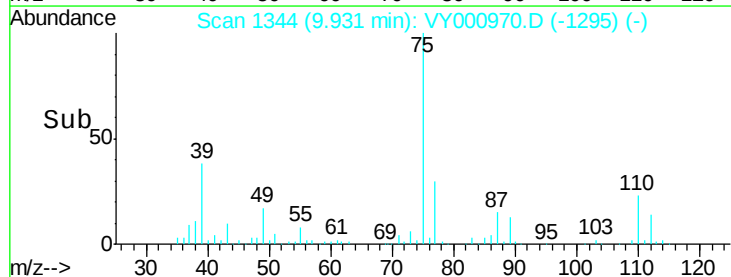
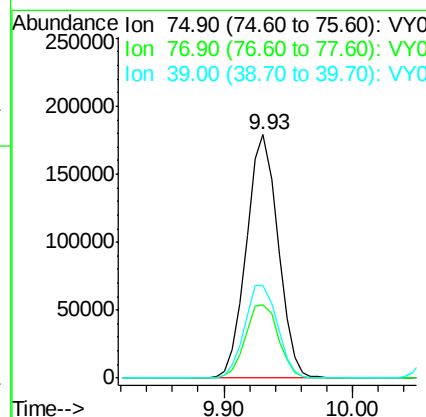
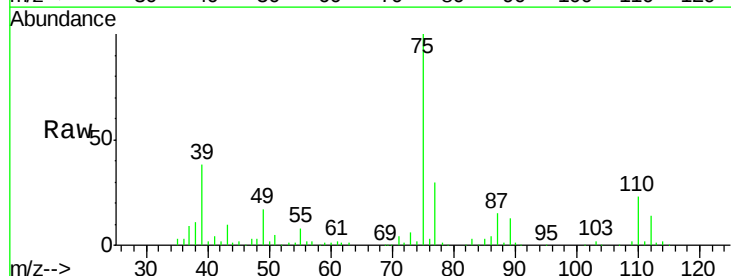
Manual Integrations
APPROVED

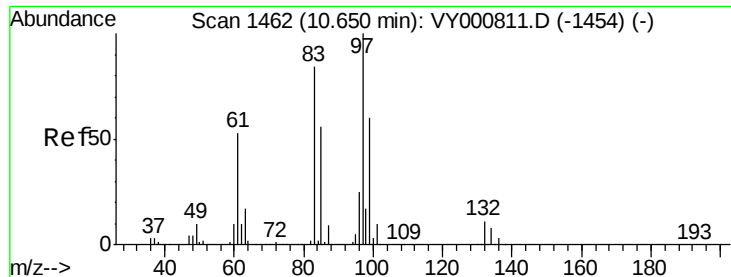
MMDadoda
12/18/2019 1:01:50 PM



#54
cis-1,3-Dichloropropene
Concen: 59.068 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.7	37.1
39	37.7	34.5	51.7





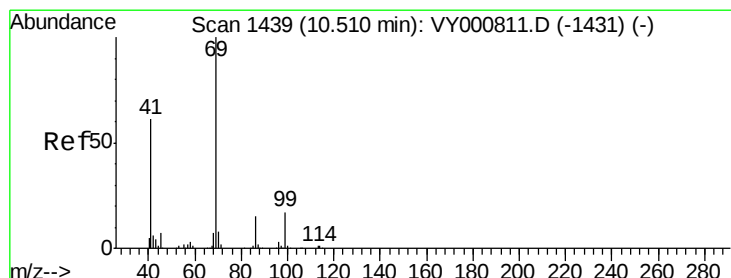
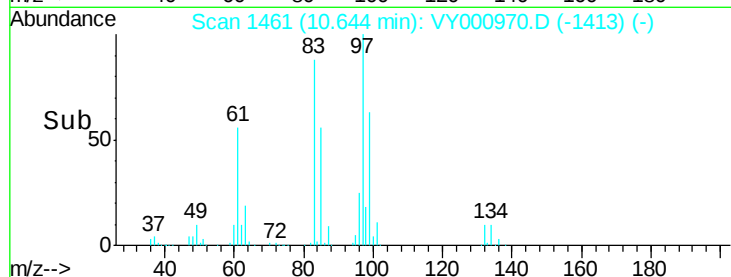
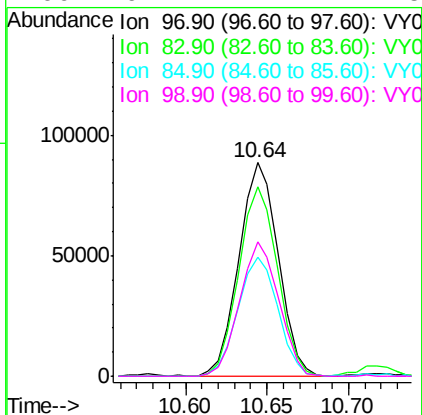
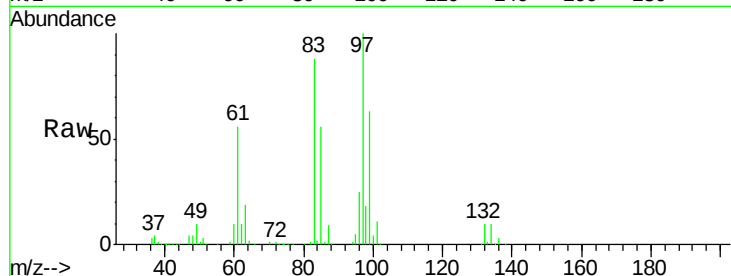
#55
 1,1,2-Trichloroethane
 Concen: 58.576 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.5	101.3
85	55.7	44.5	66.7
99	62.7	47.7	71.5

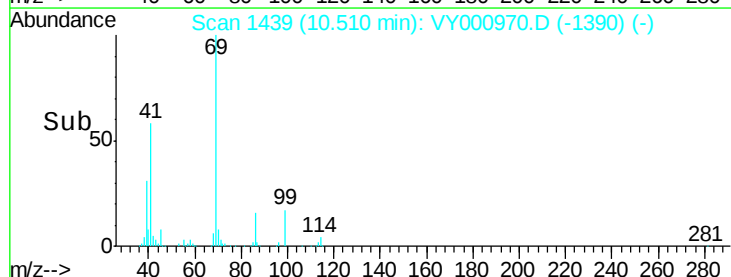
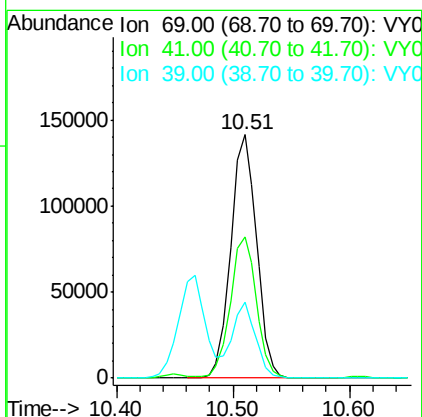
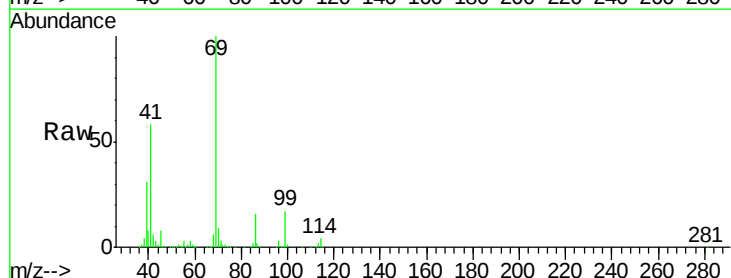
Manual Integrations
 APPROVED

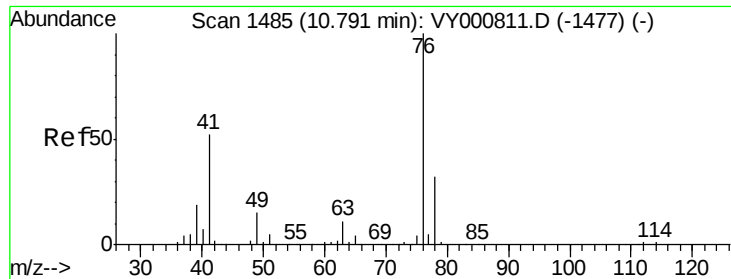
MMDadoda
 12/18/2019 1:01:50 PM



#56
 Ethyl methacrylate
 Concen: 60.009 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.3	49.0	73.6
39	29.0	23.1	34.7





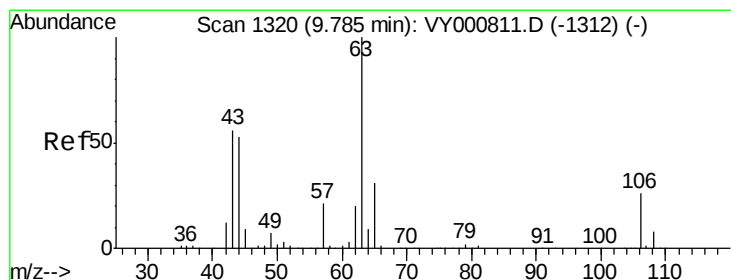
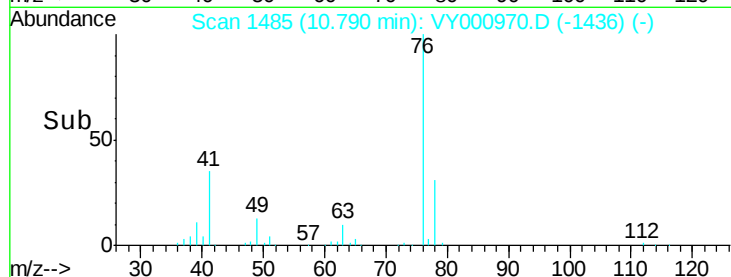
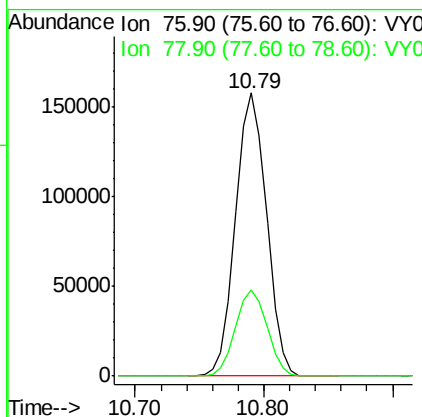
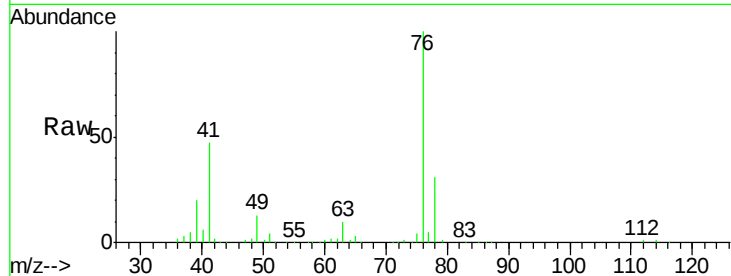
#57
 1,3-Dichloropropane
 Concen: 59.497 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 264304
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.4 39.6

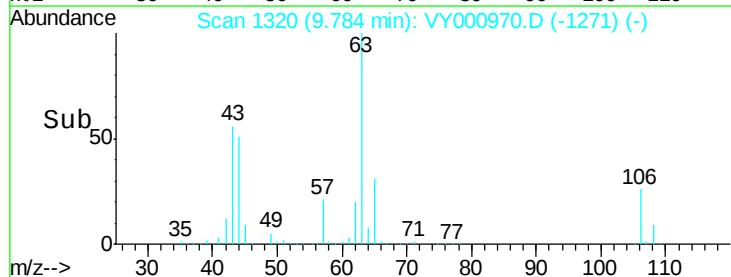
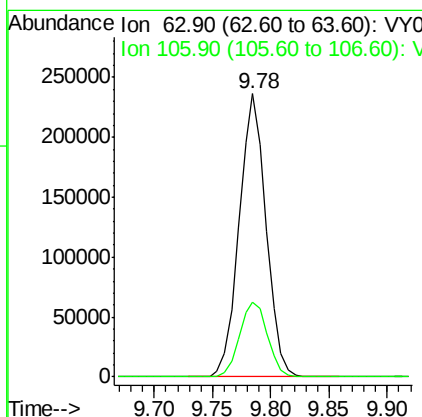
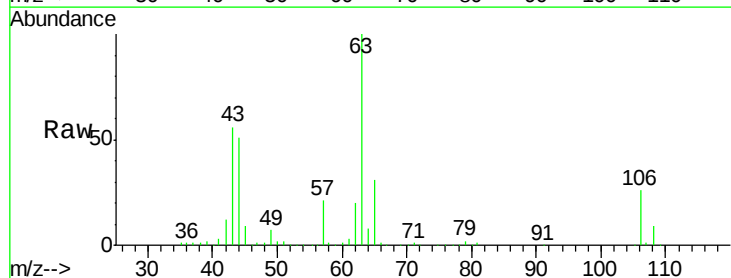
Manual Integrations
 APPROVED

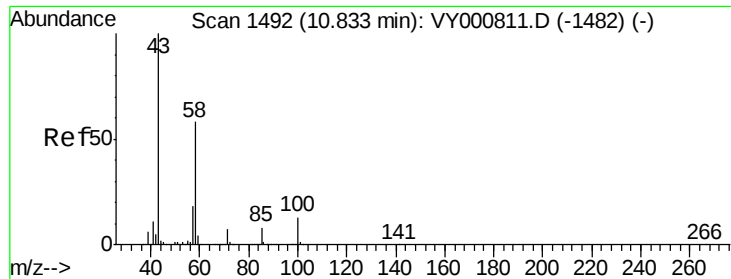
MMDadoda
 12/18/2019 1:01:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.443 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion: 63 Resp: 379957
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3





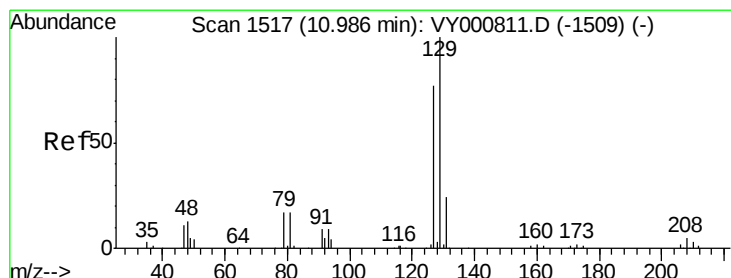
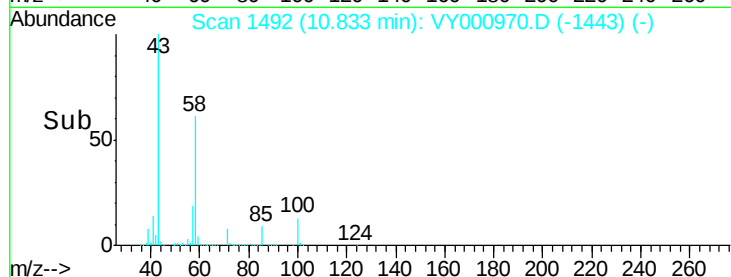
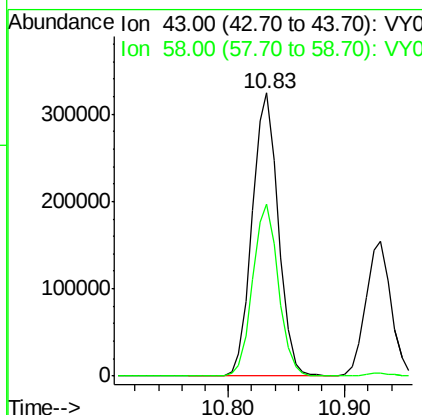
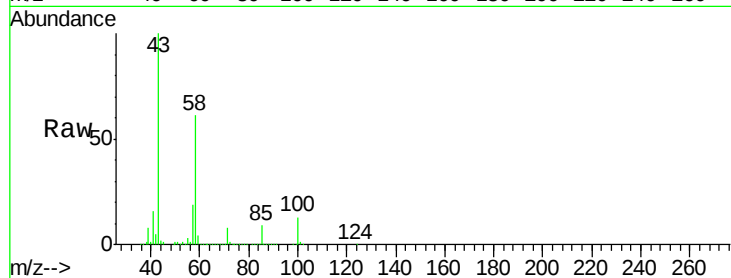
#59
2-Hexanone
Concen: 273.717 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 506035
Ion Ratio Lower Upper
43 100
58 59.8 29.0 87.1

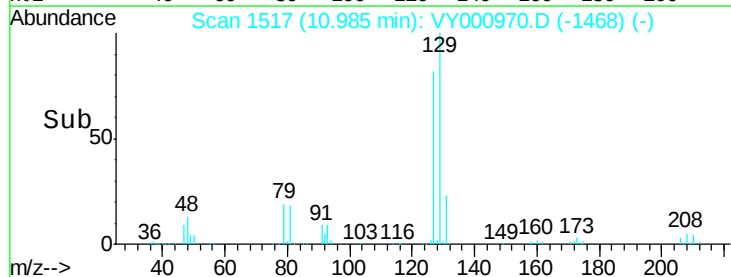
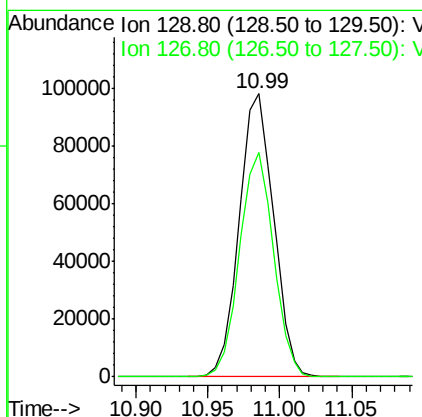
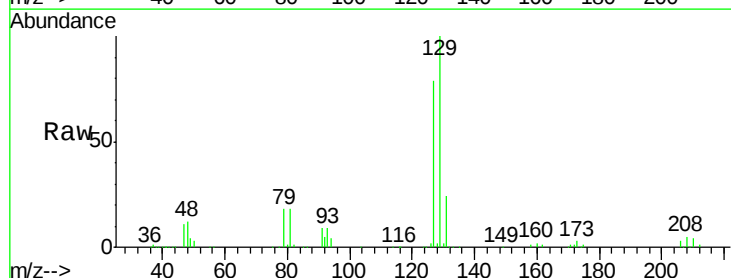
Manual Integrations
APPROVED

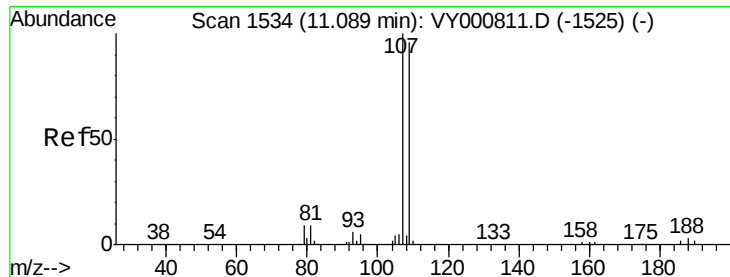
MMDadoda
12/18/2019 1:01:50 PM



#60
Dibromochloromethane
Concen: 59.356 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion: 129 Resp: 162863
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





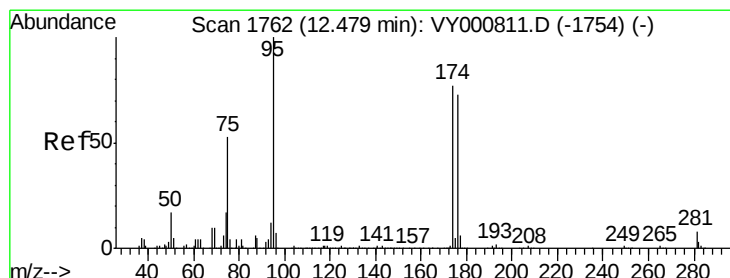
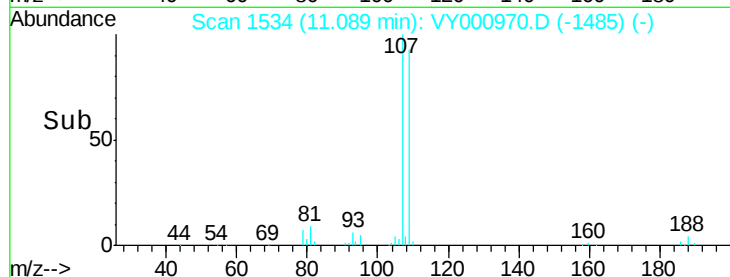
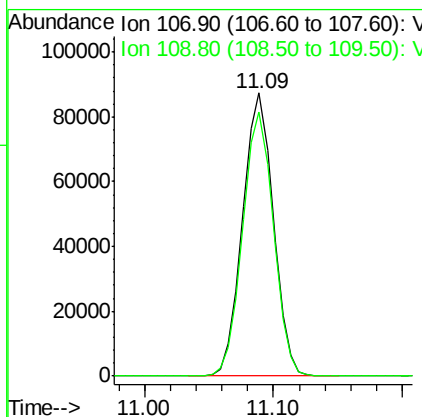
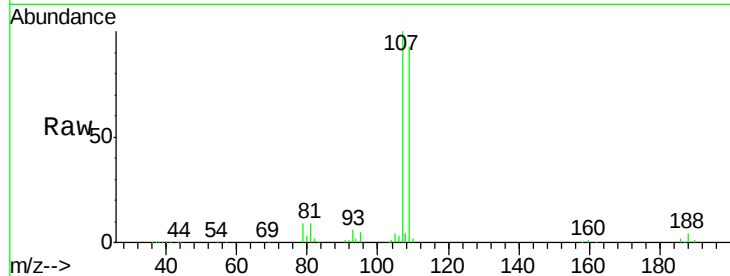
#61
 1,2-Dibromoethane
 Concen: 59.841 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.9	113.9

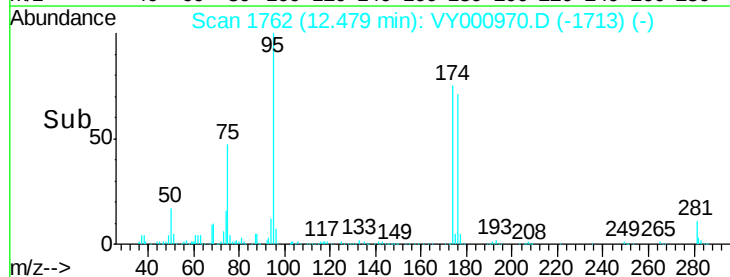
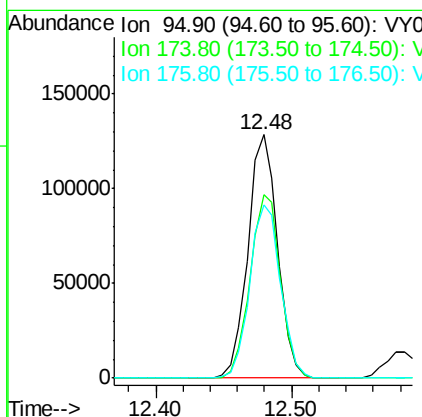
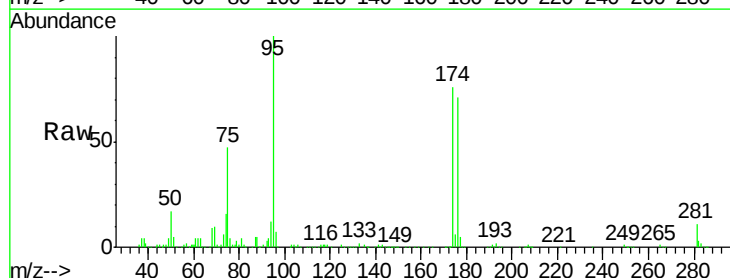
Manual Integrations
 APPROVED

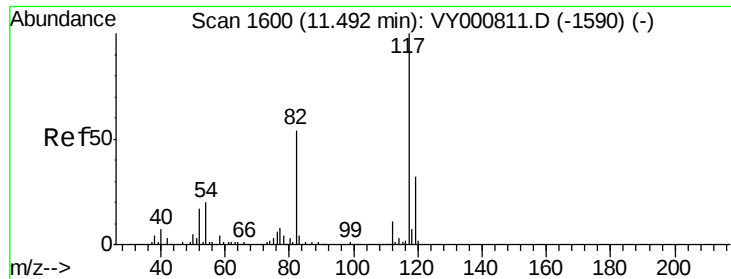
MMDadoda
 12/18/2019 1:01:50 PM



#62
 4-Bromofluorobenzene
 Concen: 49.345 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	150.6
176	74.2	0.0	145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

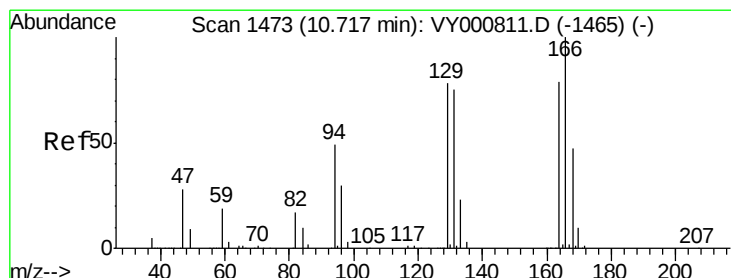
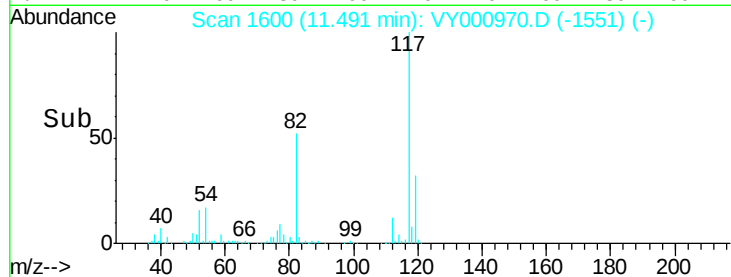
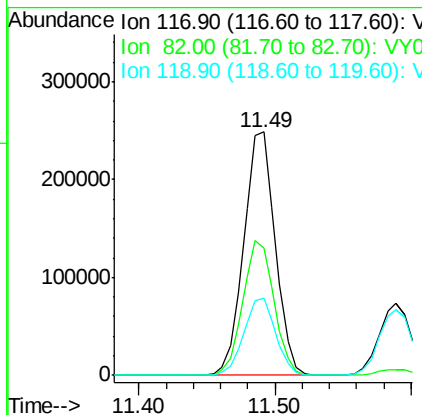
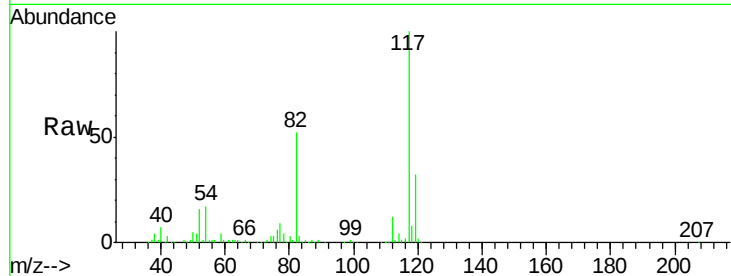
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	401877
Ion Ratio		Lower	Upper
117	100		
82	52.3	43.1	64.7
119	31.8	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#64

Tetrachloroethene

Concen: 59.703 ug/l

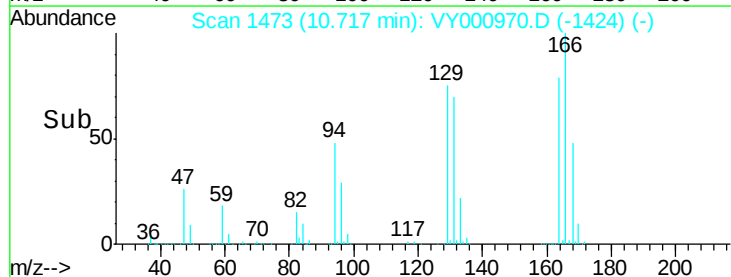
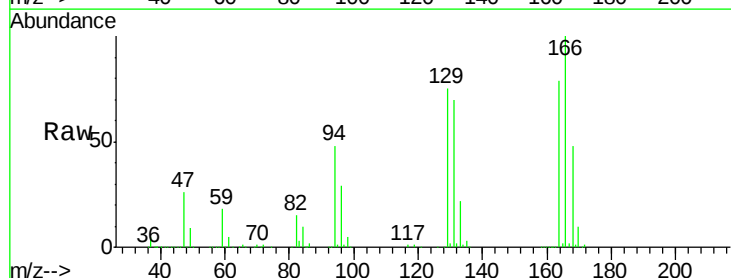
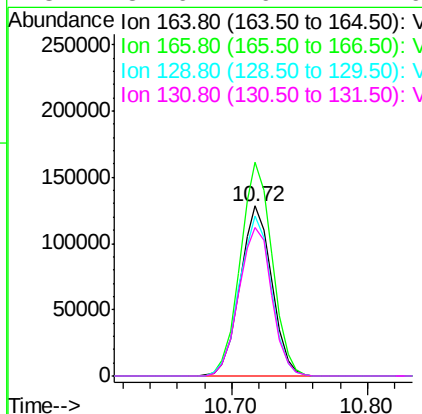
RT: 10.72 min Scan# 1473

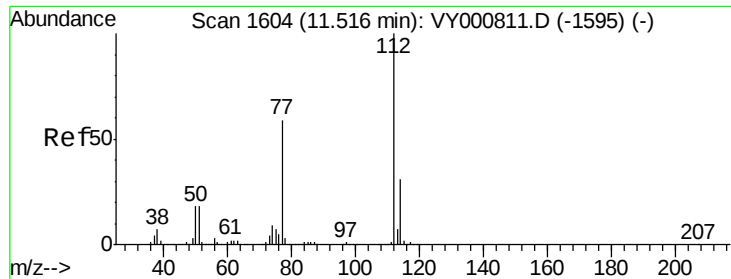
Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion:	164	Resp:	208461
Ion Ratio		Lower	Upper
164	100		
166	125.8	101.8	152.8
129	94.3	79.3	118.9
131	87.6	76.4	114.6





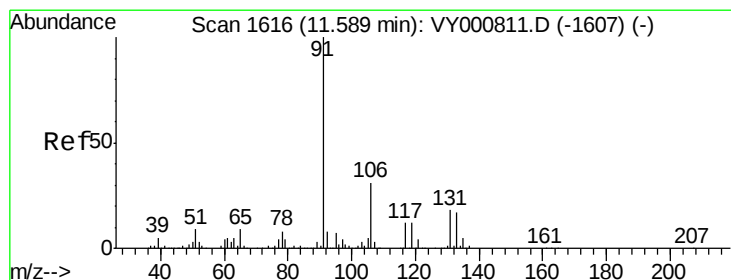
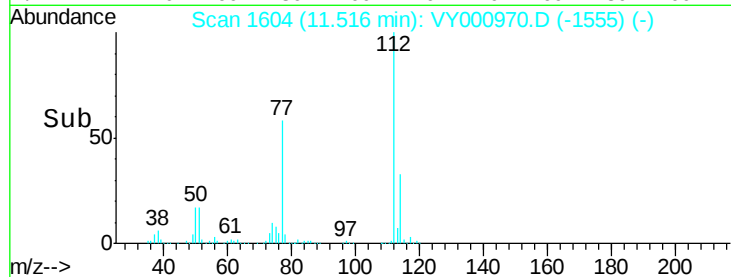
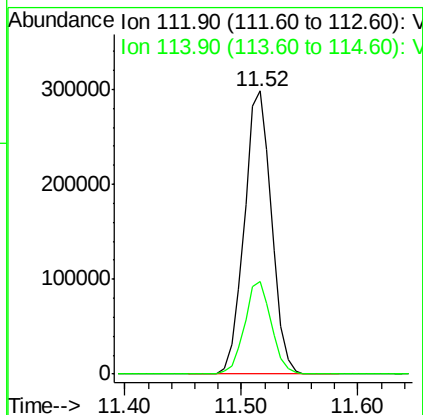
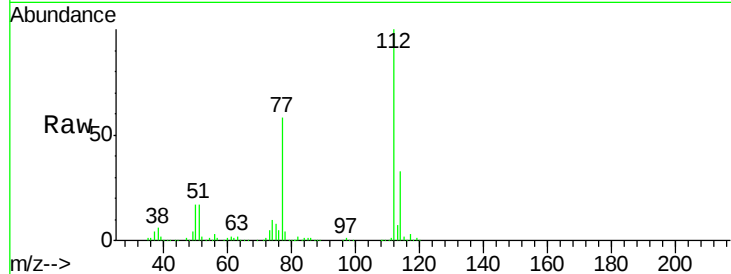
#65
Chlorobenzene
Concen: 58.009 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 484586
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7

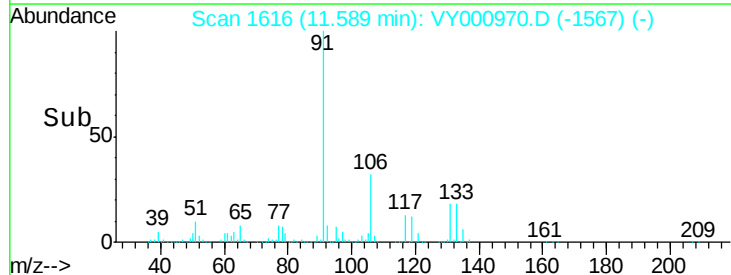
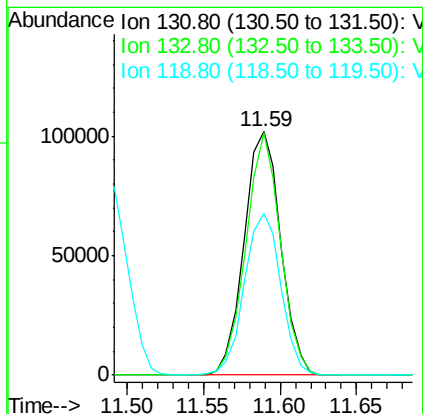
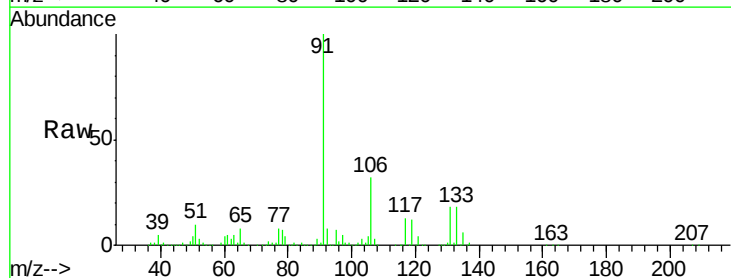
Manual Integrations
APPROVED

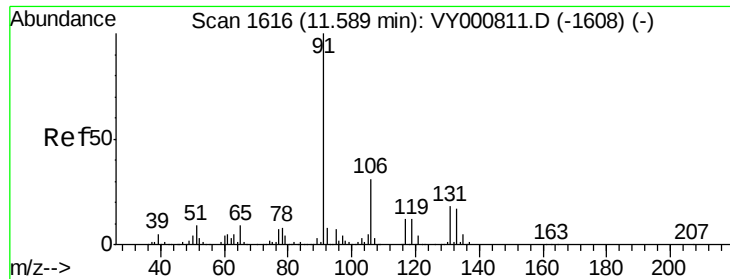
MMDadoda
12/18/2019 1:01:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 60.246 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion:131 Resp: 169603
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.2
119 66.1 33.8 101.3





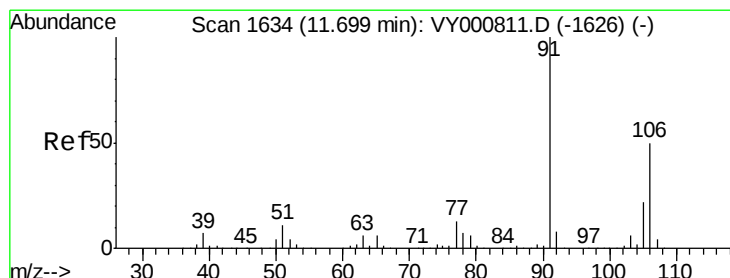
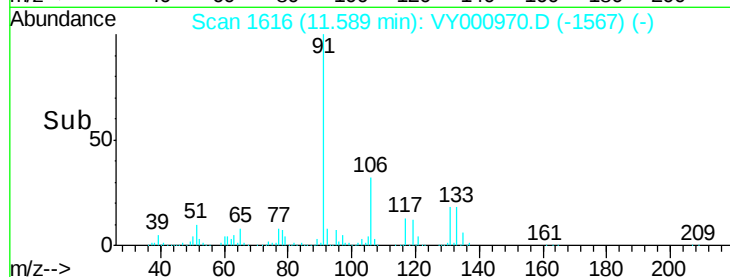
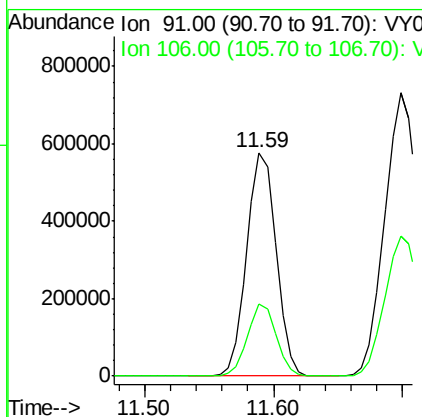
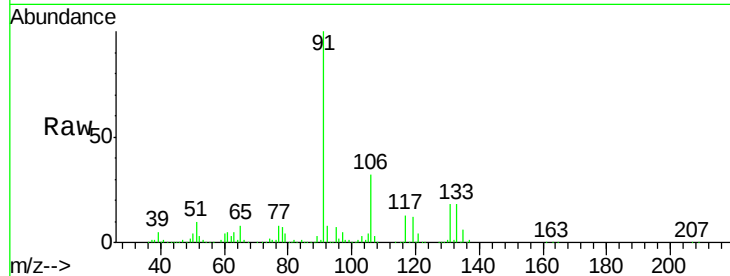
#67
Ethyl Benzene
Concen: 58.312 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 907205
Ion Ratio Lower Upper
91 100
106 32.1 24.4 36.6

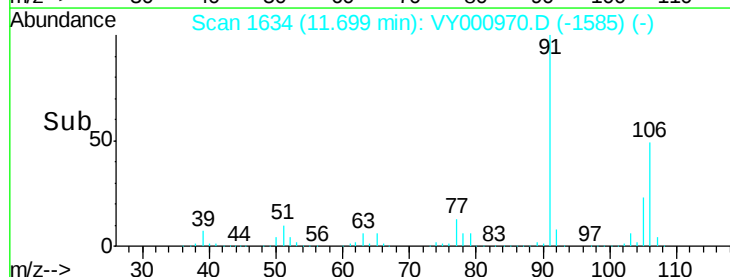
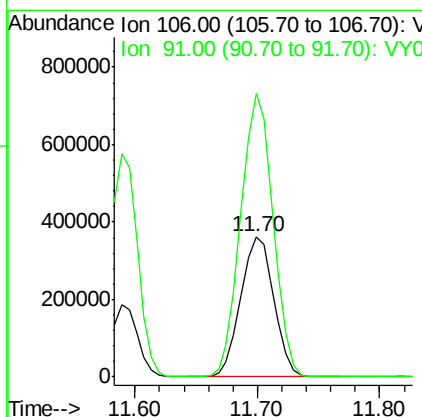
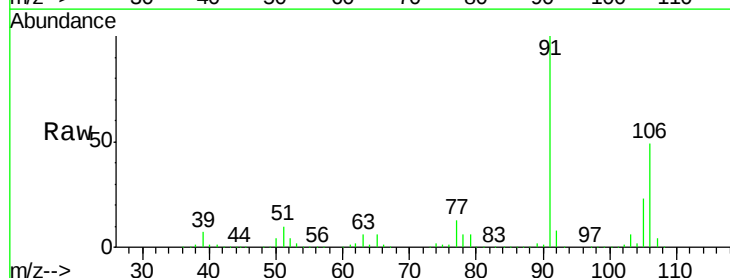
Manual Integrations
APPROVED

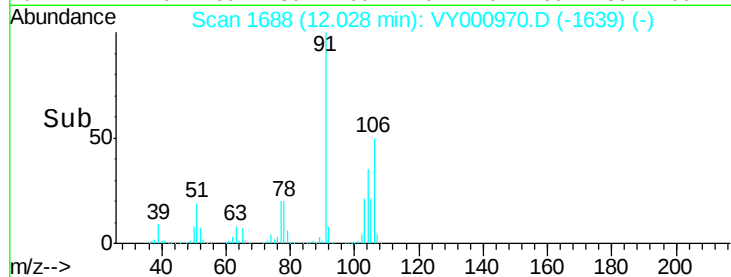
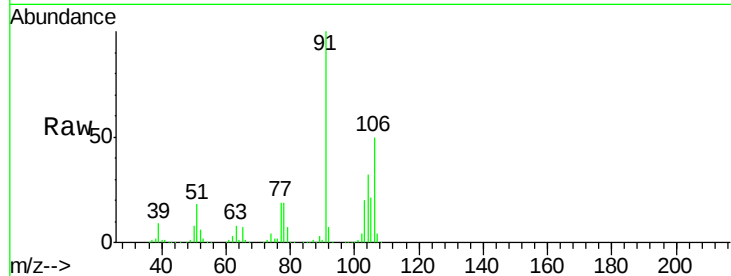
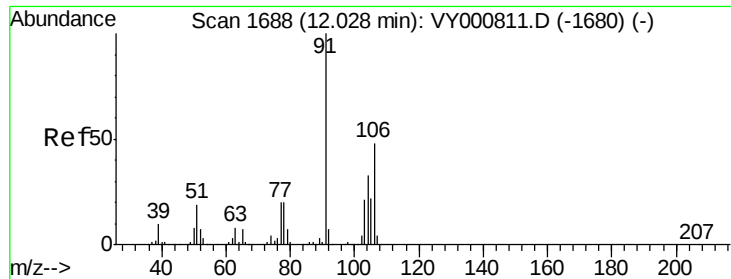
MMDadoda
12/18/2019 1:01:50 PM



#68
m/p-Xylenes
Concen: 116.544 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion: 106 Resp: 680555
Ion Ratio Lower Upper
106 100
91 197.9 159.6 239.4





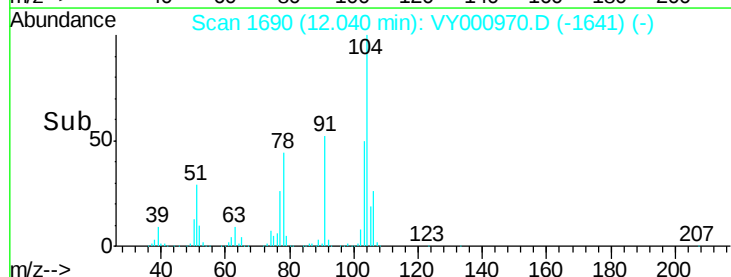
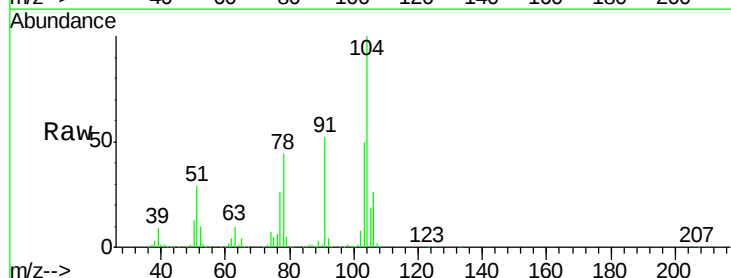
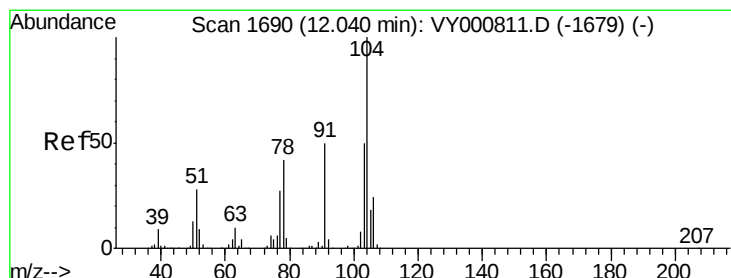
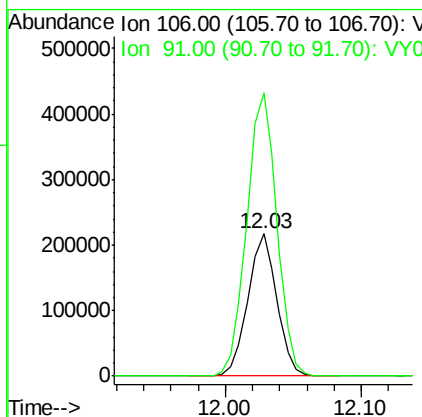
#69
o-Xylene
Concen: 59.624 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.2	106.1	318.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

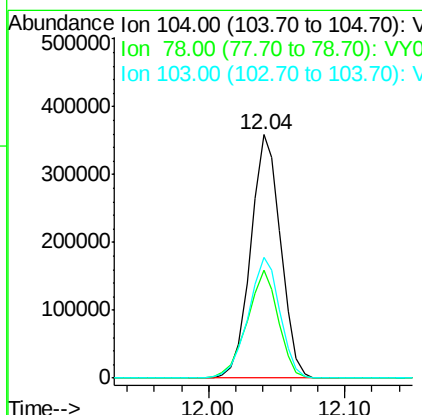
Manual Integrations
APPROVED

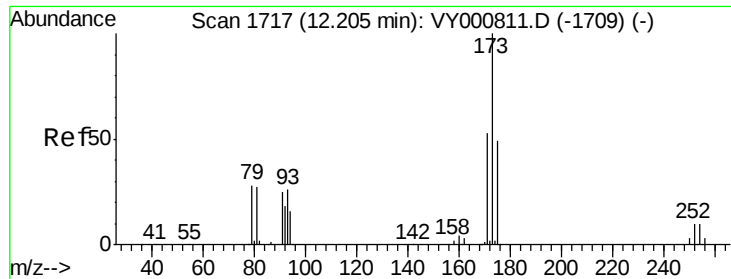
MMDadoda
12/18/2019 1:01:50 PM



#70
Styrene
Concen: 59.302 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	38.2	57.4
103	52.5	43.4	65.0





#71

Bromoform

Concen: 60.743 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

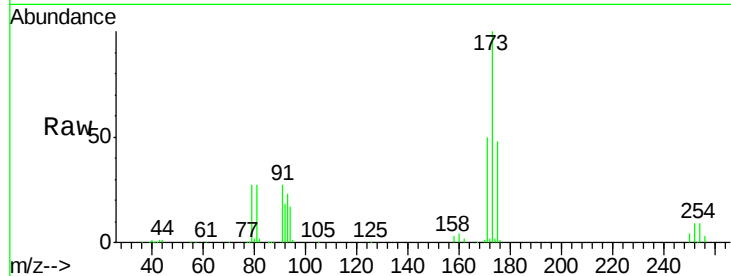
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM

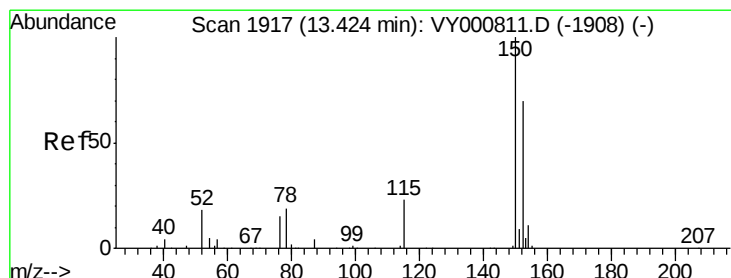
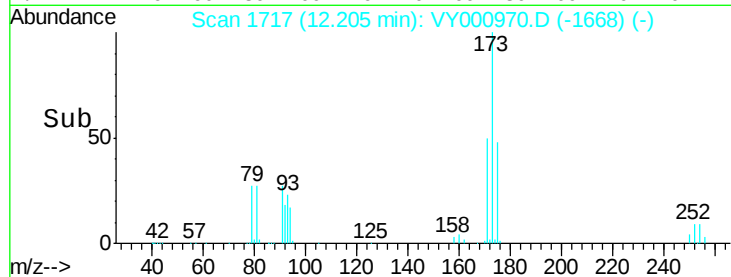
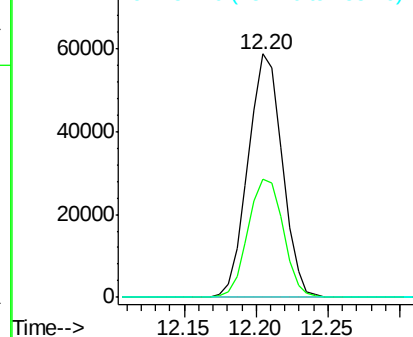


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

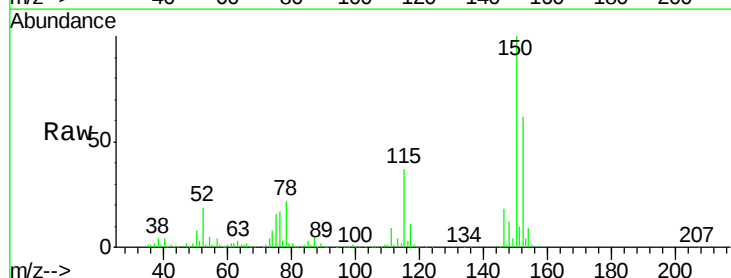
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	87.8
150	174.1	0.0	351.2

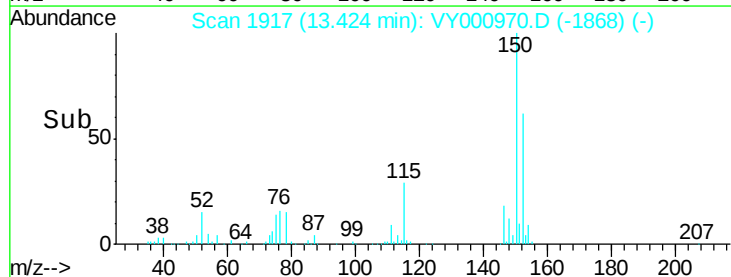
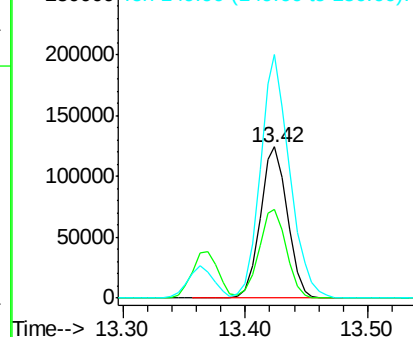


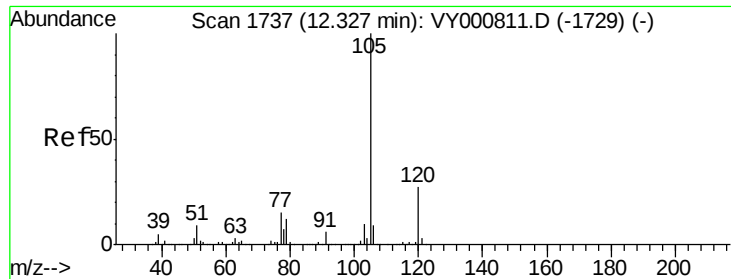
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





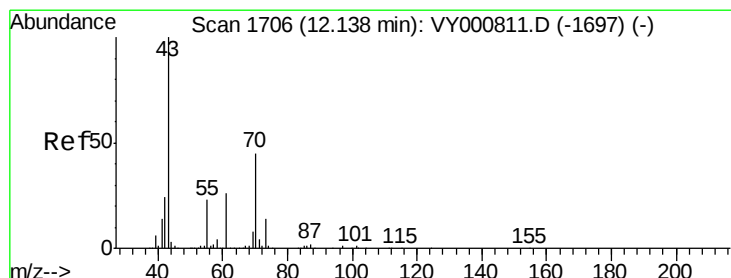
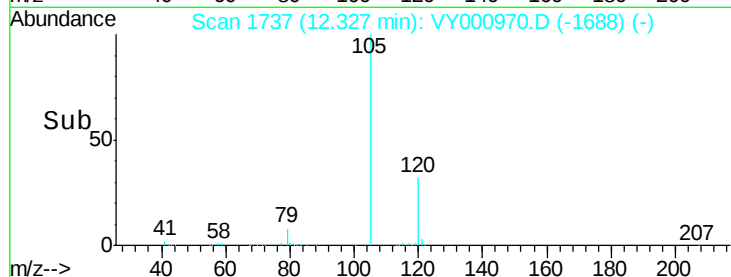
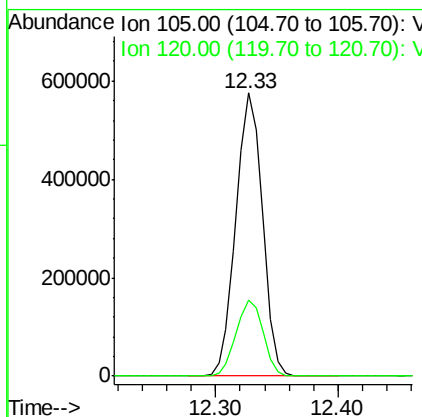
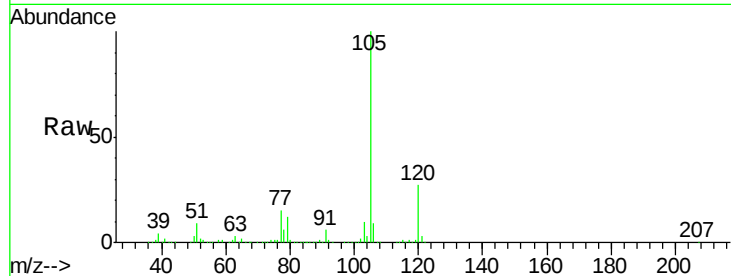
#73
Isopropylbenzene
Concen: 56.948 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.4	40.2

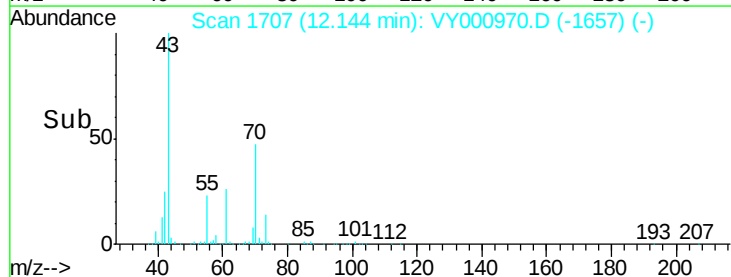
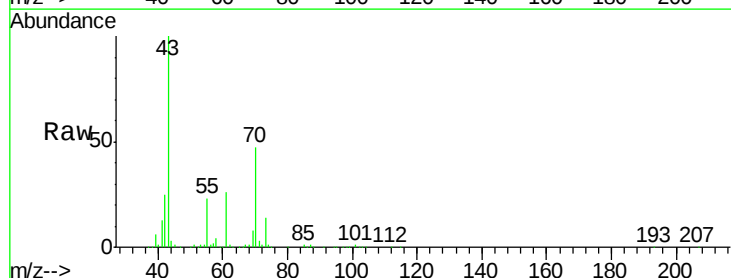
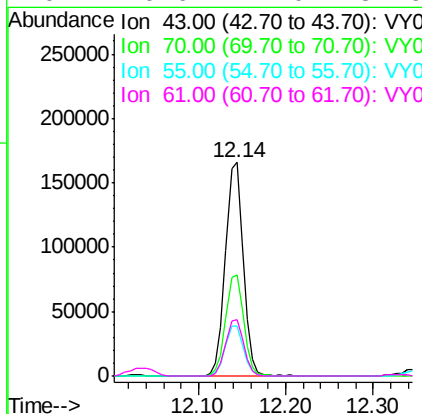
Manual Integrations
APPROVED

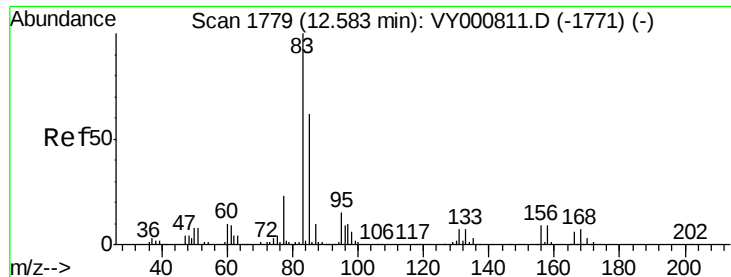
MMDadoda
12/18/2019 1:01:50 PM



#74
N-ethyl acetate
Concen: 55.585 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.8	36.6	54.8
55	24.4	18.8	28.2
61	26.6	21.0	31.6





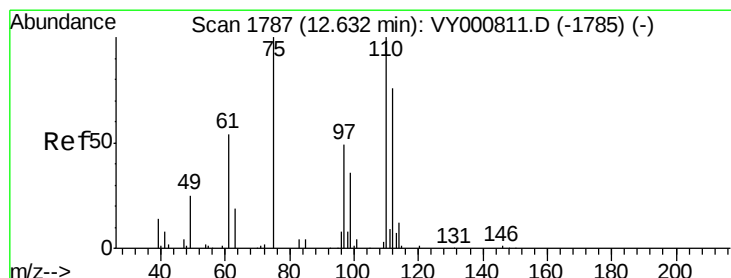
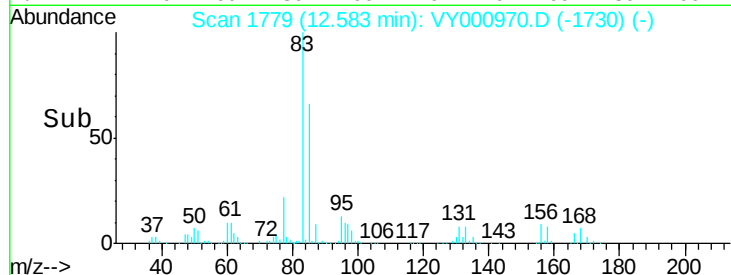
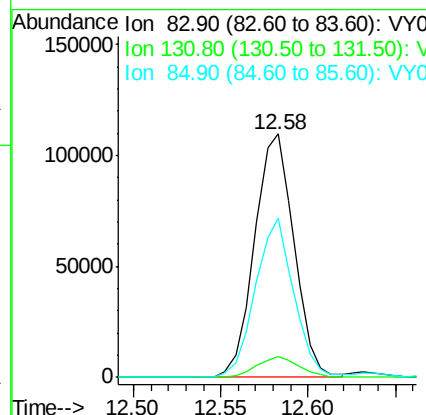
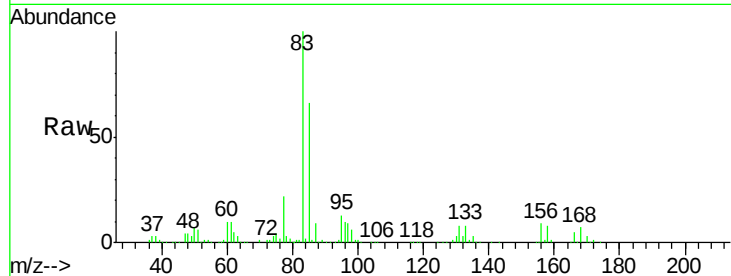
#75
 1,1,2,2-Tetrachloroethane
 Concen: 57.505 ug/l
 RT: 12.58 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
83	100		
131	9.1	4.3	13.1
85	63.5	32.4	97.0

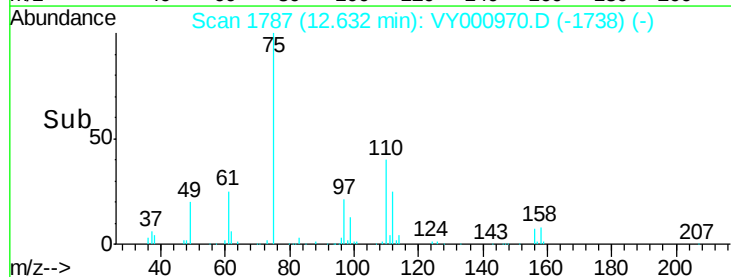
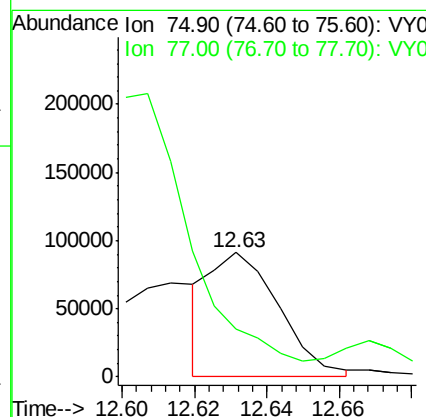
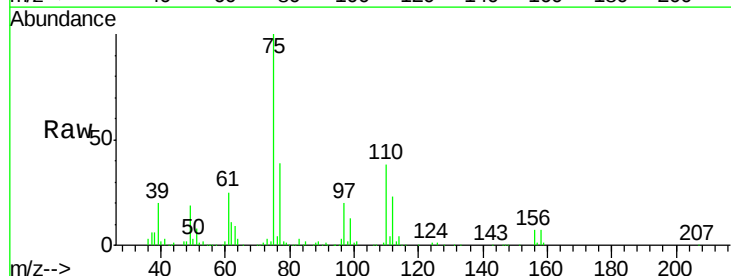
Manual Integrations
 APPROVED

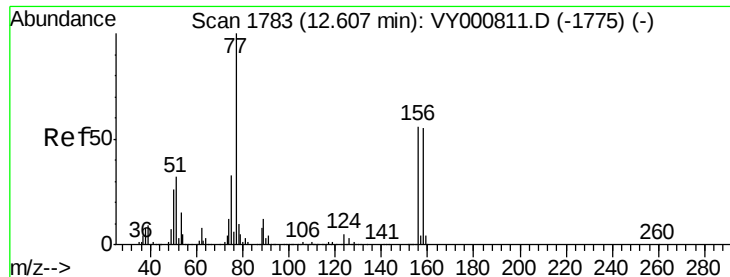
MMDadoda
 12/18/2019 1:01:50 PM



#76
 1,2,3-Trichloropropane
 Concen: 56.212 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

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





#77

Bromobenzene

Concen: 57.528 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 189468

Ion Ratio Lower Upper

156 100

77 201.4 102.6 307.7

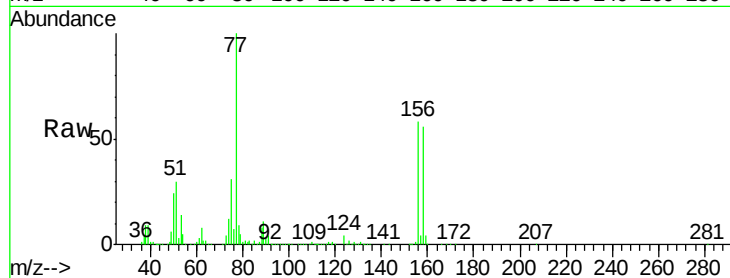
158 97.2 47.6 142.8

Manual Integrations

APPROVED

MMDadoda

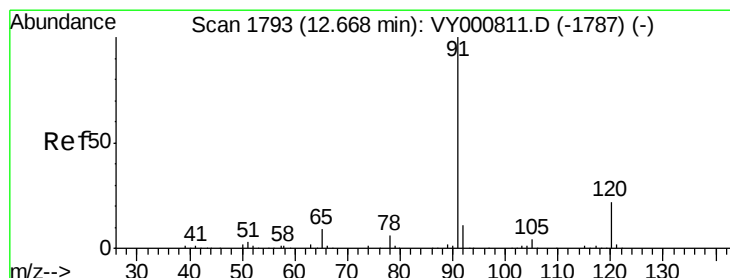
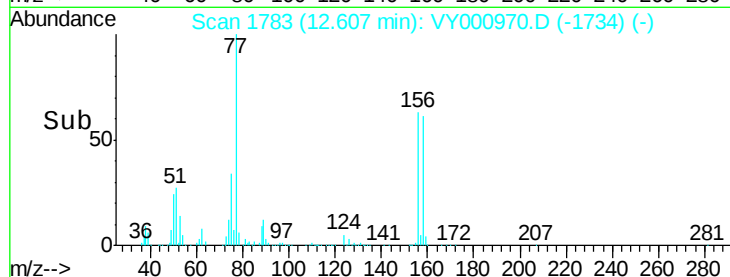
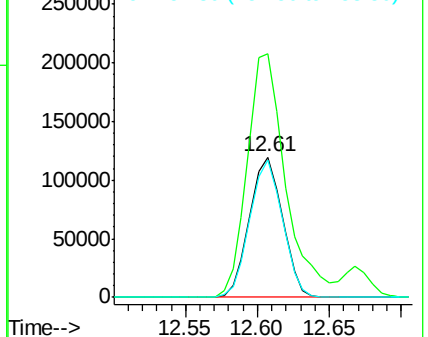
12/18/2019 1:01:50 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.789 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000970.D

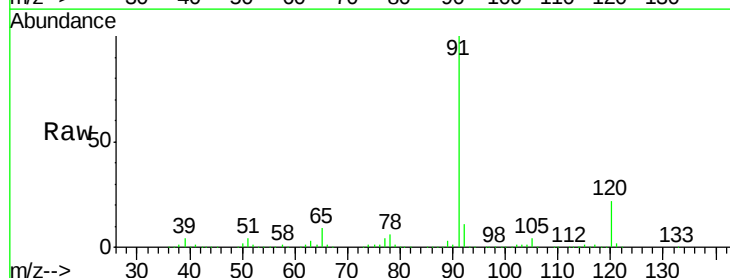
Acq: 17 Dec 2019 11:44

Tgt Ion: 91 Resp: 1053553

Ion Ratio Lower Upper

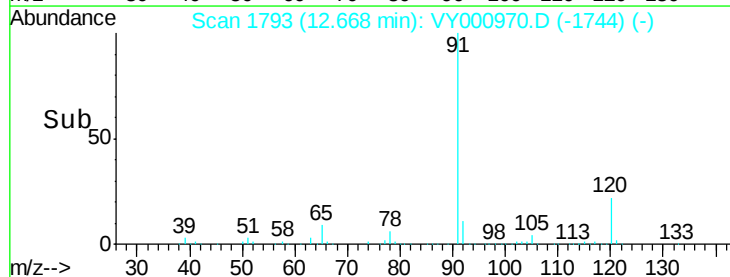
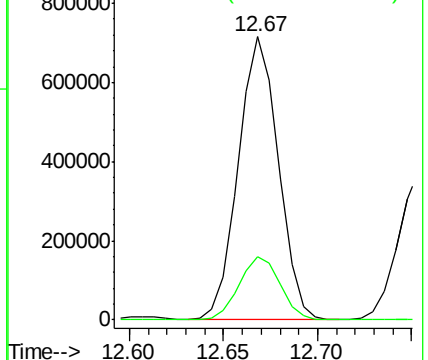
91 100

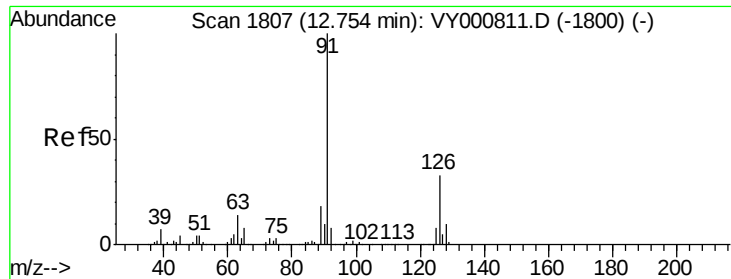
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.143 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 575408

Ion Ratio Lower Upper

91 100

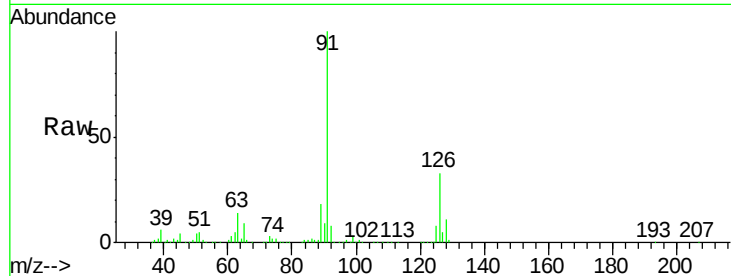
126 34.0 17.0 51.0

Manual Integrations

APPROVED

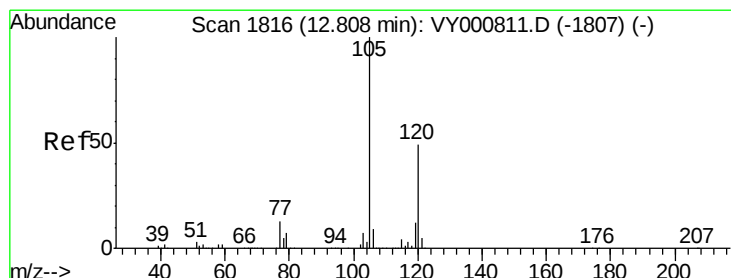
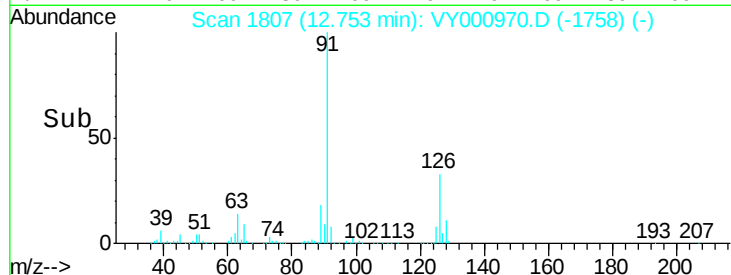
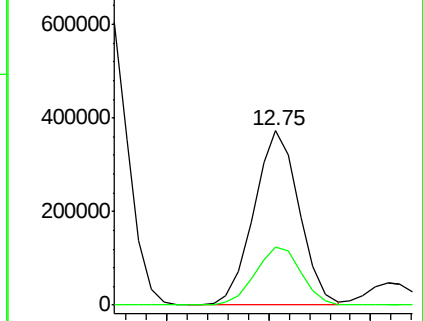
MMDadoda

12/18/2019 1:01:50 PM



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

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



#80

1,3,5-Trimethylbenzene

Concen: 56.119 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000970.D

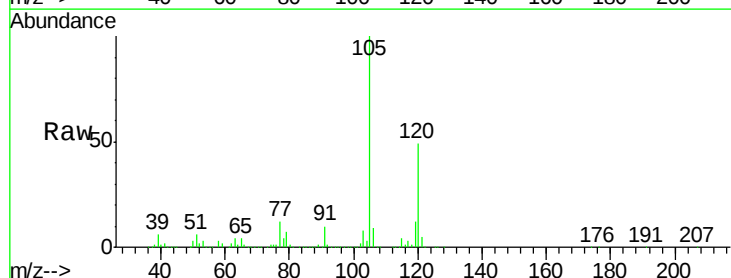
Acq: 17 Dec 2019 11:44

Tgt Ion: 105 Resp: 705985

Ion Ratio Lower Upper

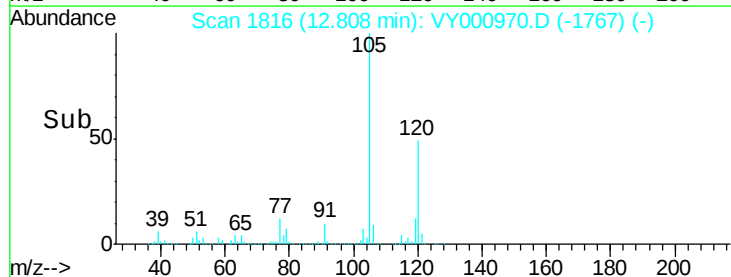
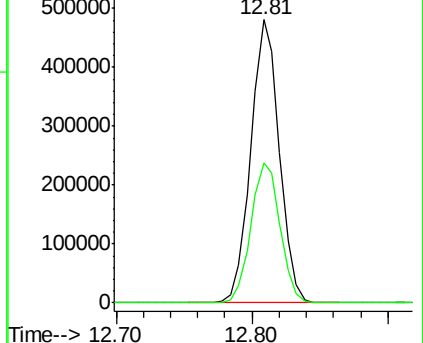
105 100

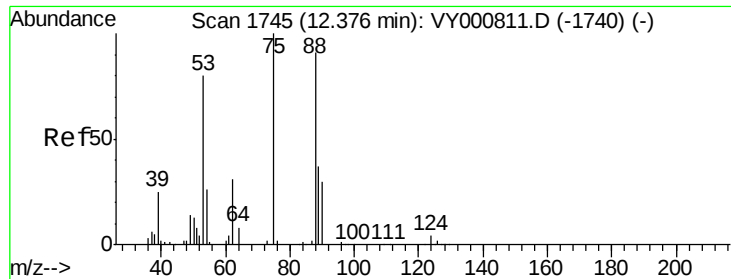
120 50.7 24.6 74.0



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

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





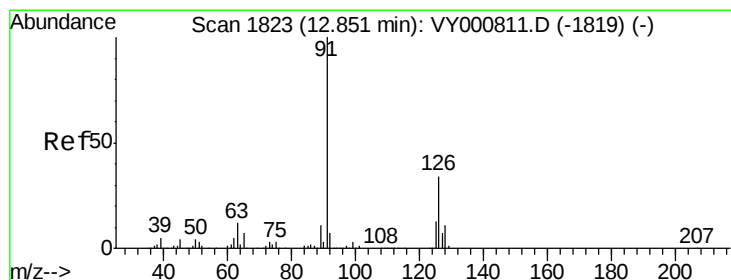
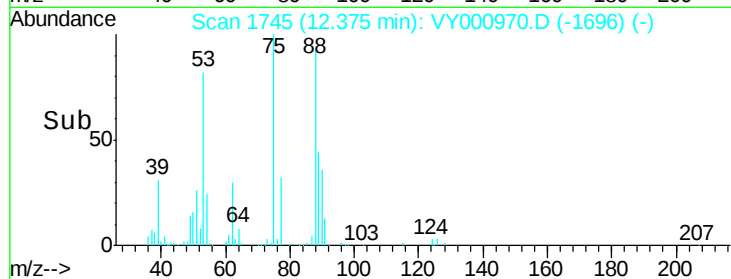
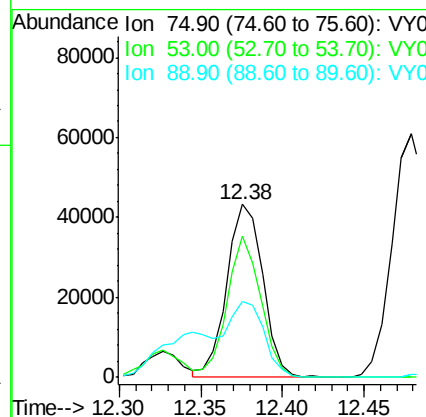
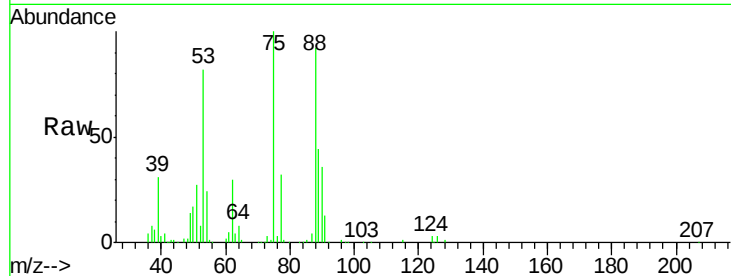
#81
trans-1,4-Dichloro-2-butene
Concen: 59.963 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.2	64.6	96.8
89	45.7	33.6	50.4

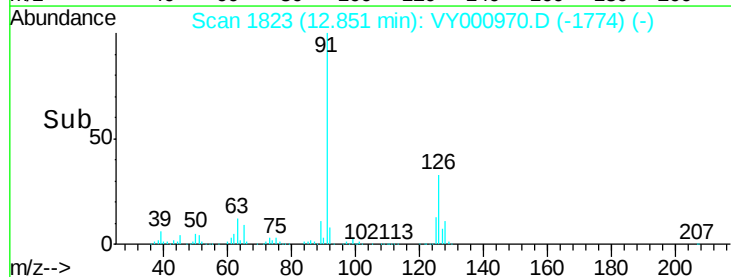
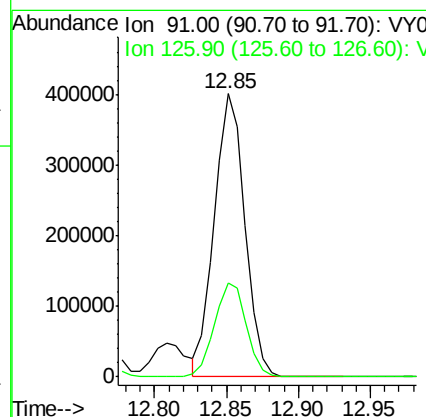
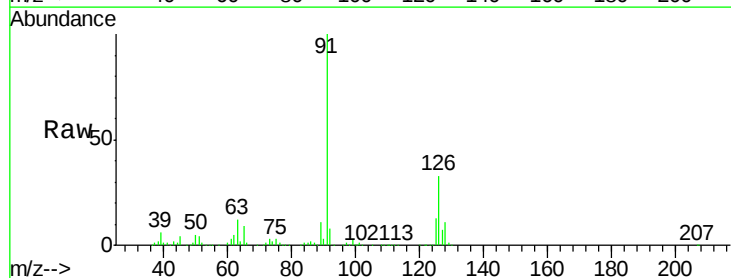
Manual Integrations
APPROVED

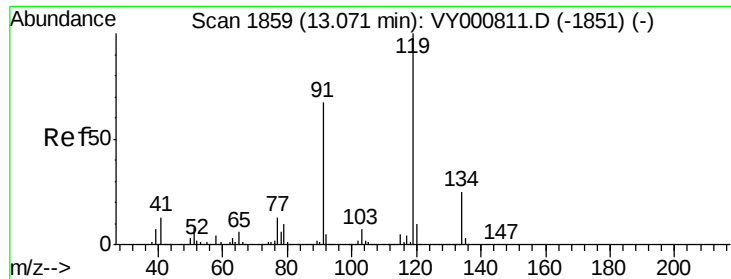
MMDadoda
12/18/2019 1:01:50 PM



#82
4-Chlorotoluene
Concen: 56.199 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9





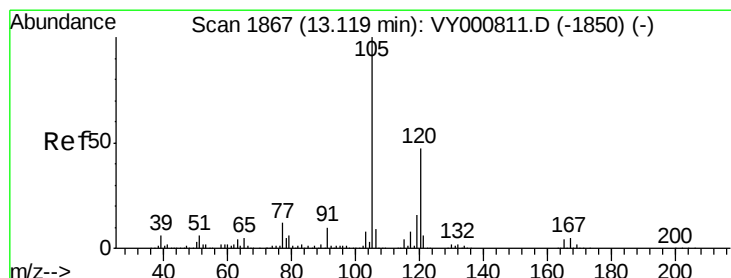
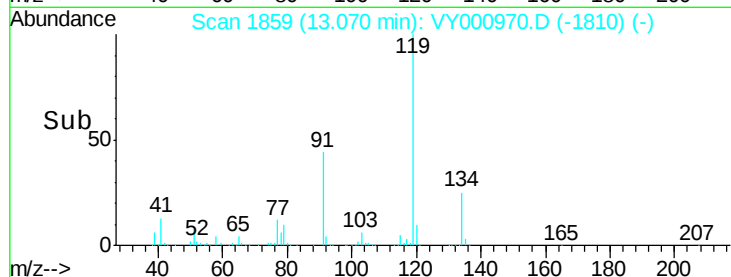
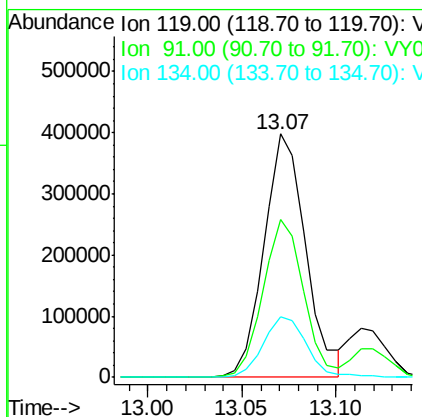
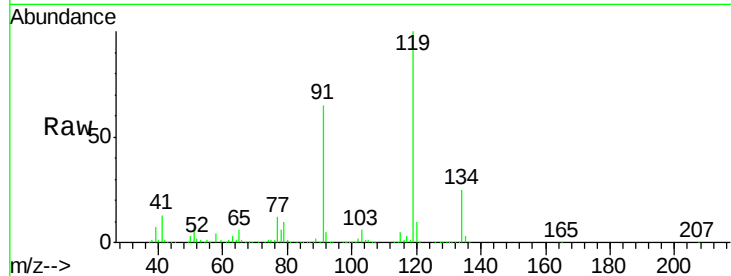
#83
tert-Butylbenzene
Concen: 57.892 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	32.3	96.8
134	26.2	12.9	38.7

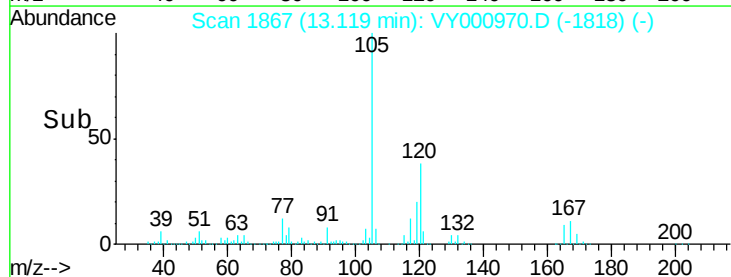
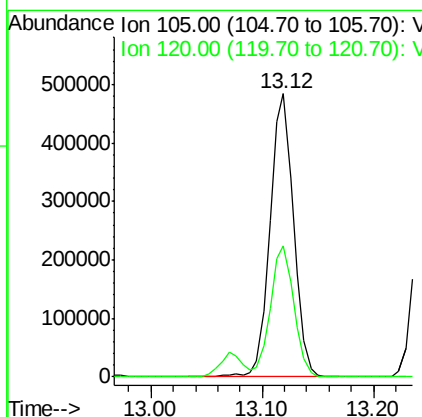
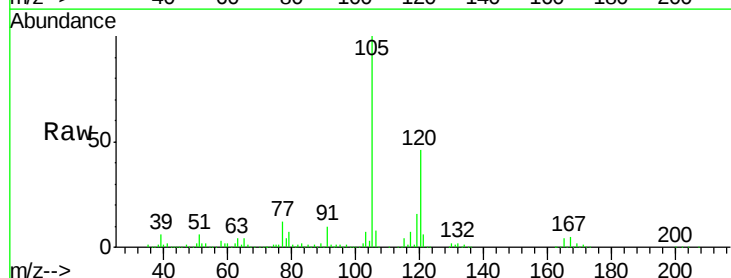
Manual Integrations
APPROVED

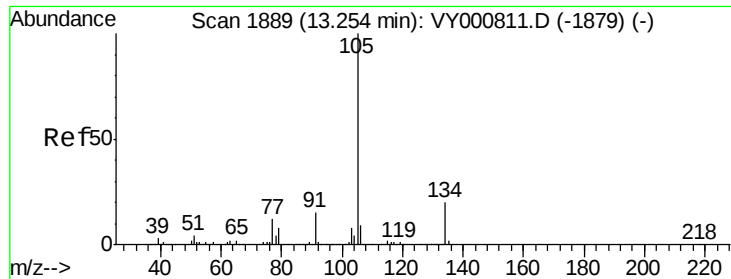
MMDadoda
12/18/2019 1:01:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 56.482 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 57.698 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 887521

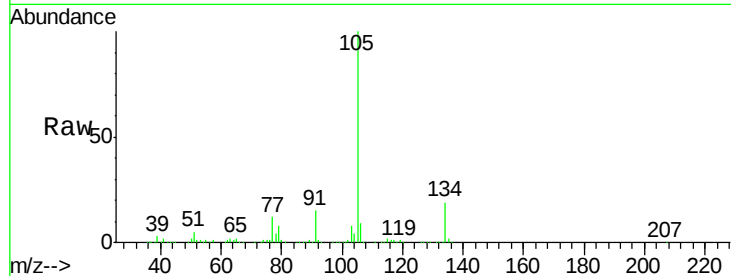
Ion Ratio Lower Upper

105 100

134 19.8 10.1 30.1

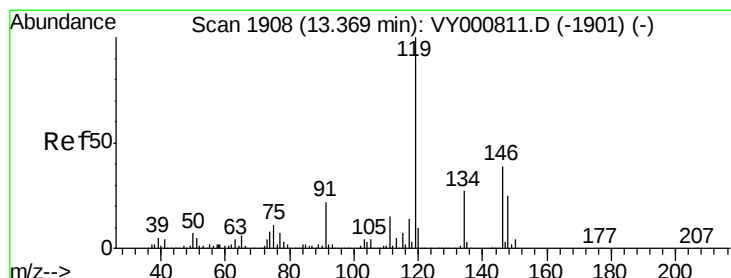
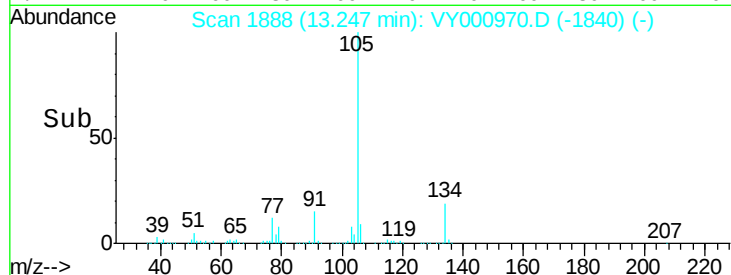
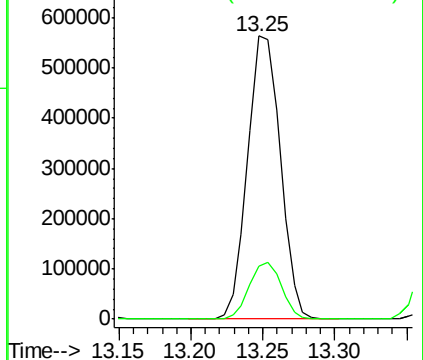
Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.487 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000970.D

Acq: 17 Dec 2019 11:44

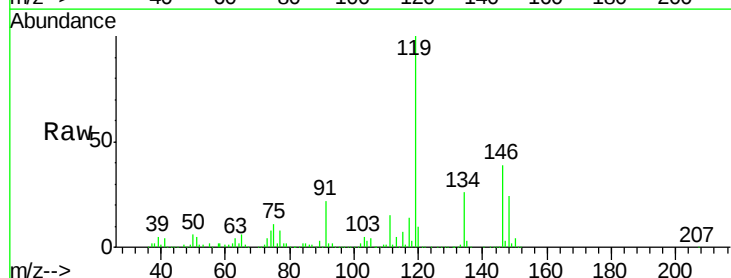
Tgt Ion:119 Resp: 769123

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

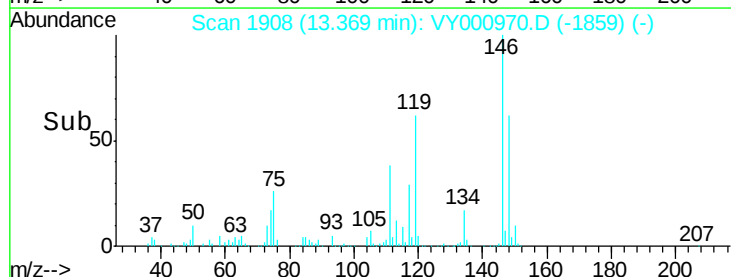
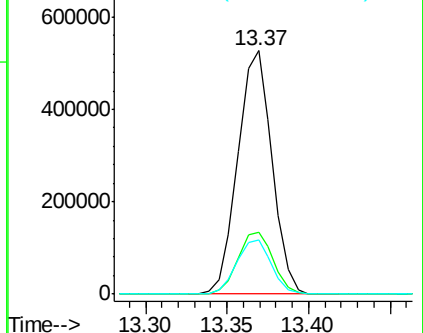
91 22.6 11.5 34.5

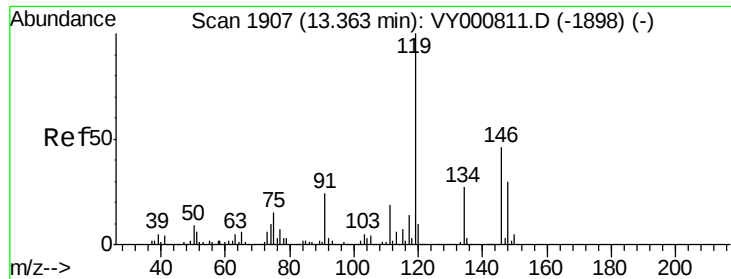


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





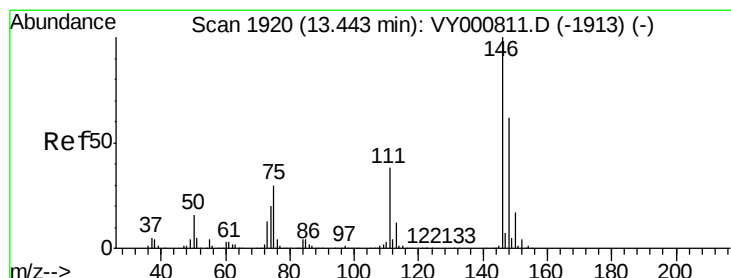
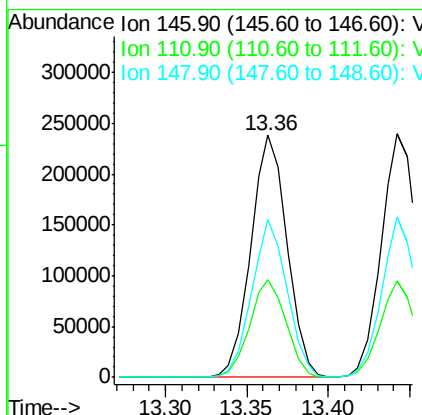
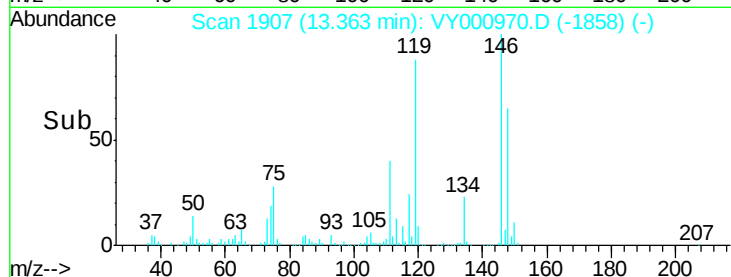
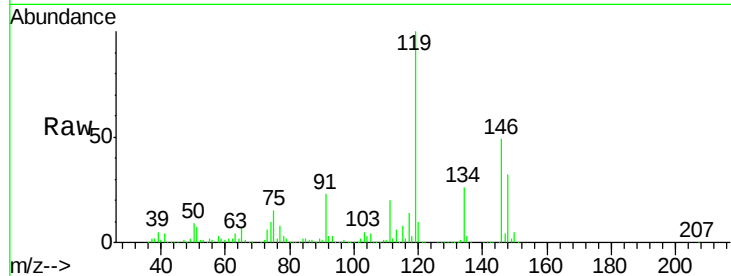
#87
 1,3-Dichlorobenzene
 Concen: 56.666 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	366113		
111	40.5	20.0	60.0	
148	63.7	32.1	96.5	

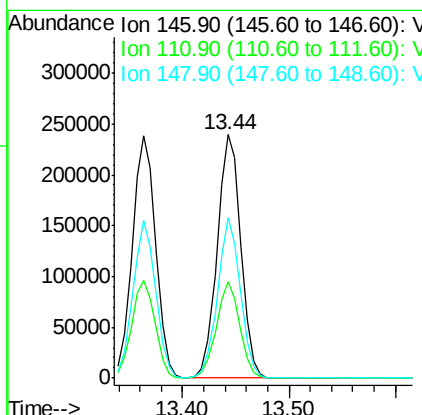
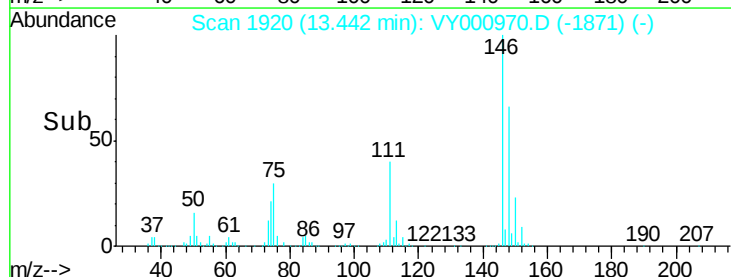
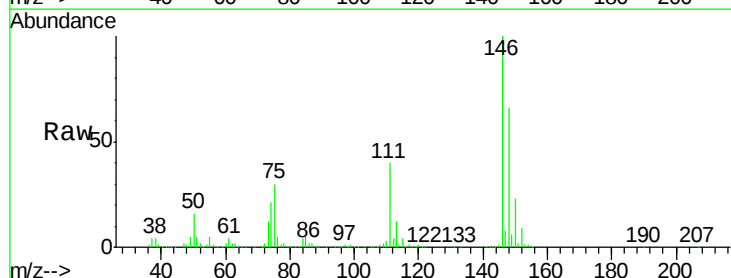
Manual Integrations
 APPROVED

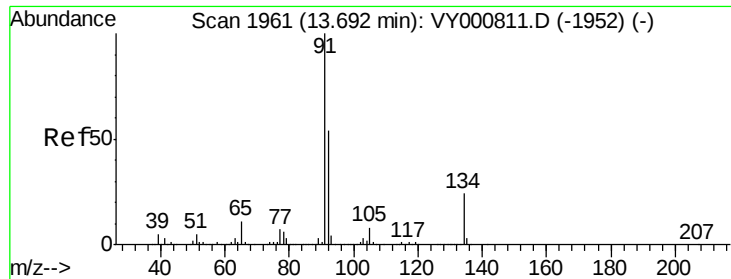
MMDadoda
 12/18/2019 1:01:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 57.487 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	367754		
111	39.0	20.0	59.9	
148	63.6	31.7	95.1	





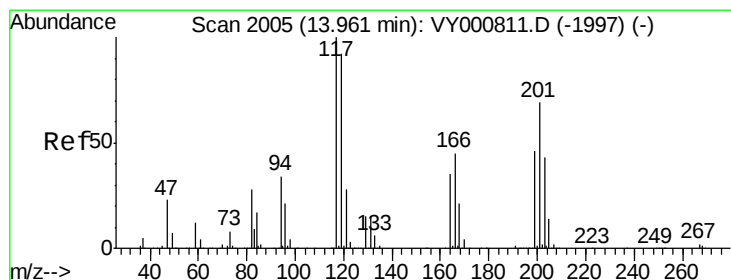
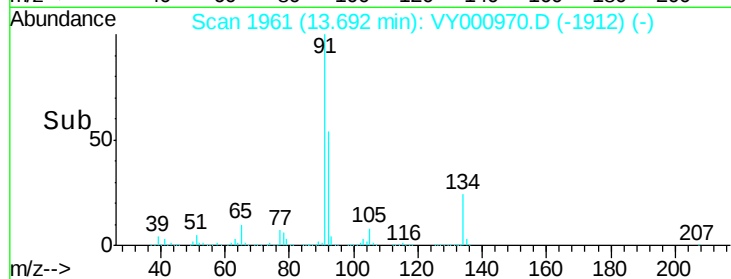
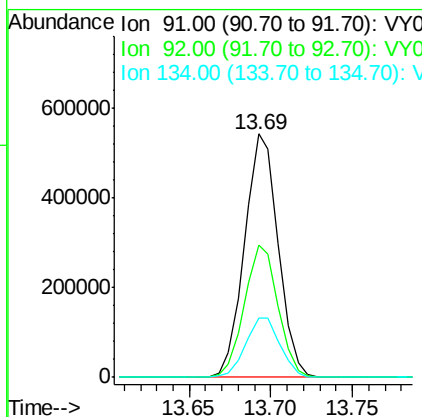
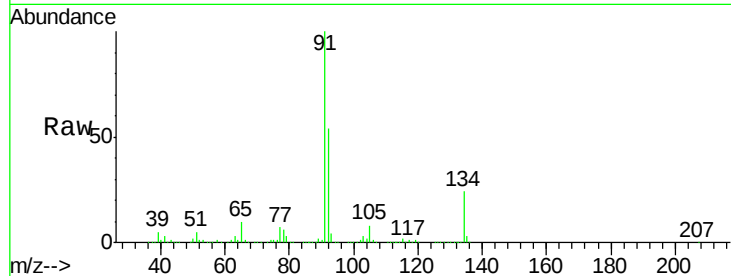
#89
n-Butylbenzene
Concen: 57.661 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	25.2	12.6	37.6

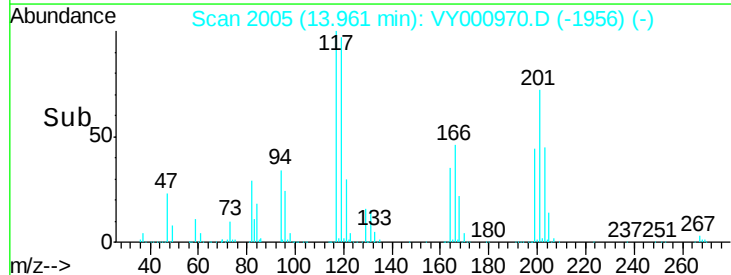
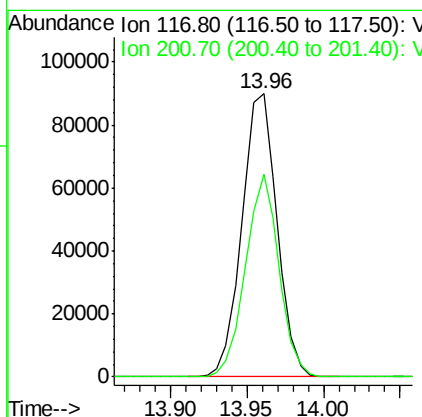
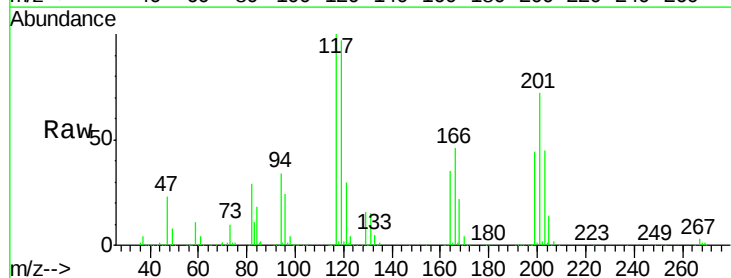
Manual Integrations
APPROVED

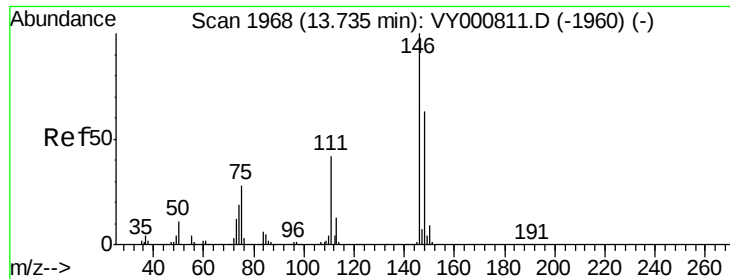
MMDadoda
12/18/2019 1:01:50 PM



#90
Hexachloroethane
Concen: 58.139 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0





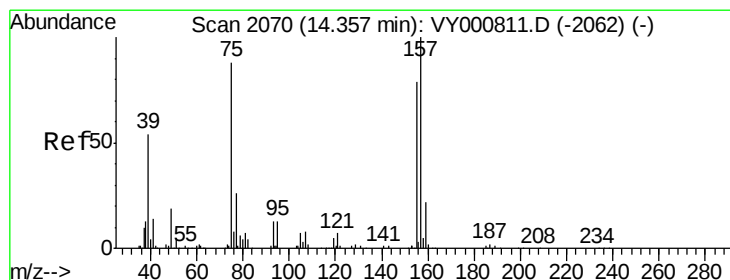
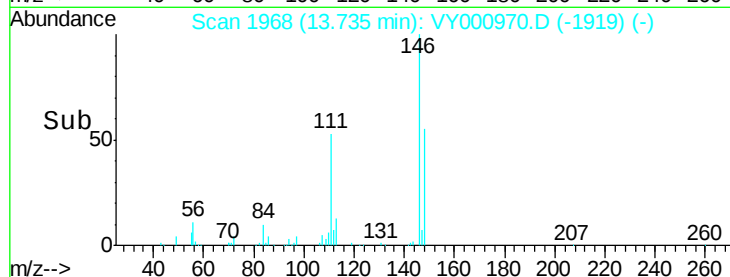
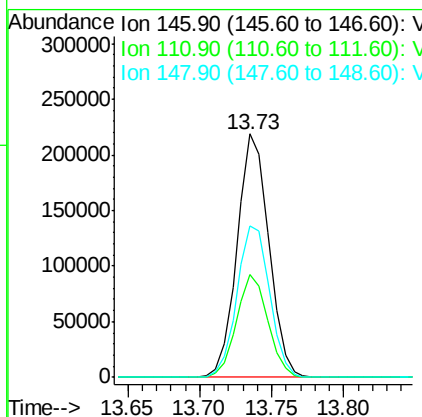
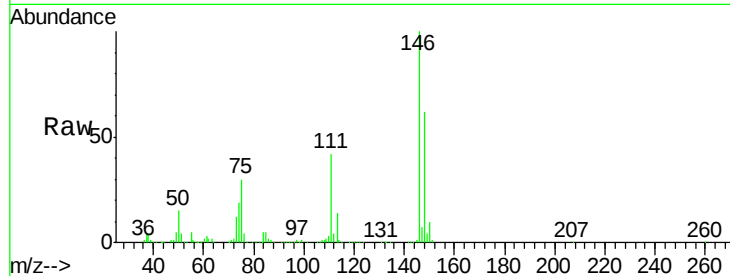
#91
 1,2-Dichlorobenzene
 Concen: 57.557 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	64.0	32.1	96.3

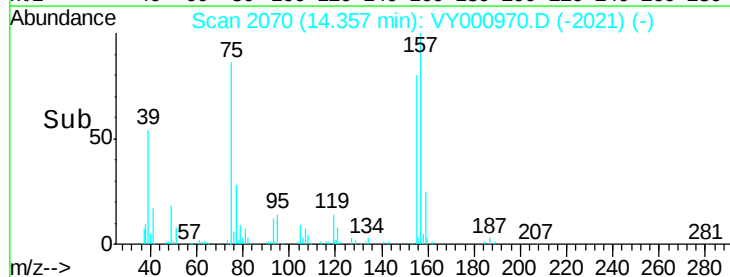
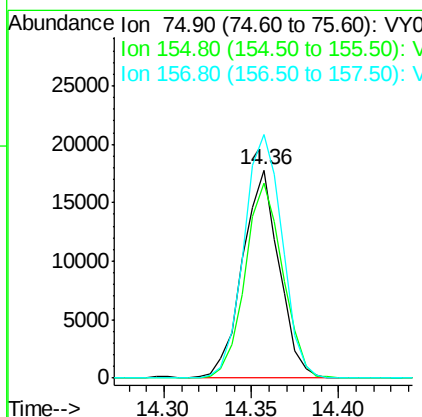
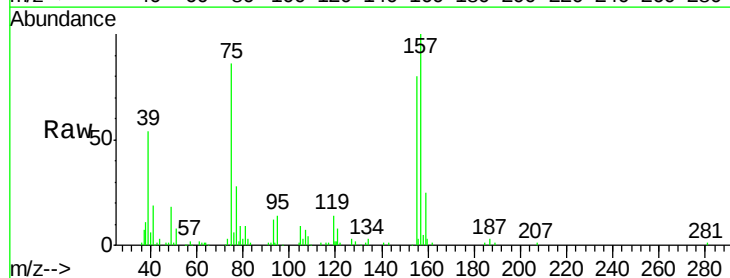
Manual Integrations
 APPROVED

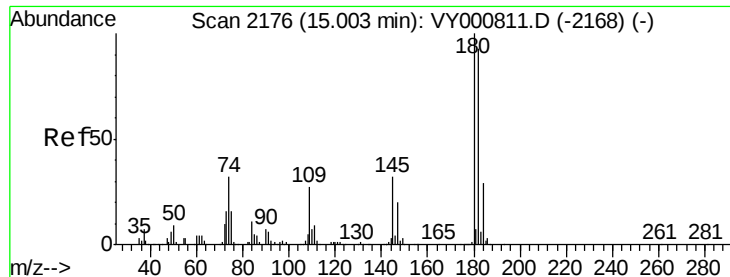
MMDadoda
 12/18/2019 1:01:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.977 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000970.D
 Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	44.3	132.9
157	122.5	56.3	168.9





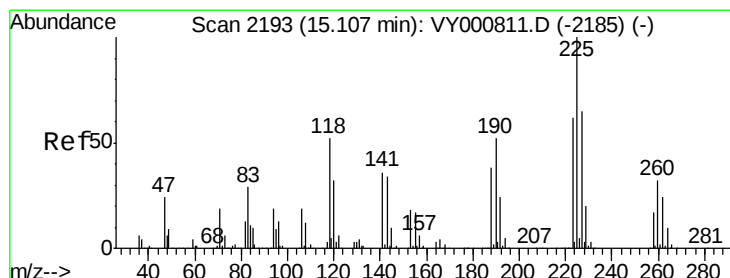
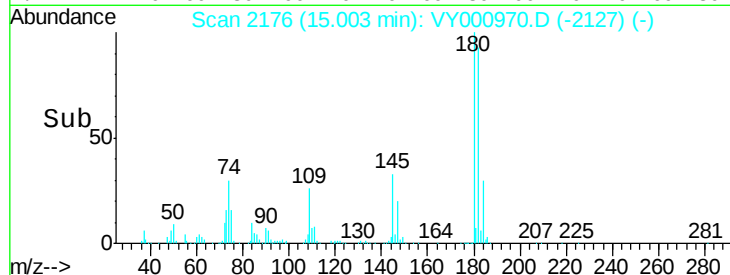
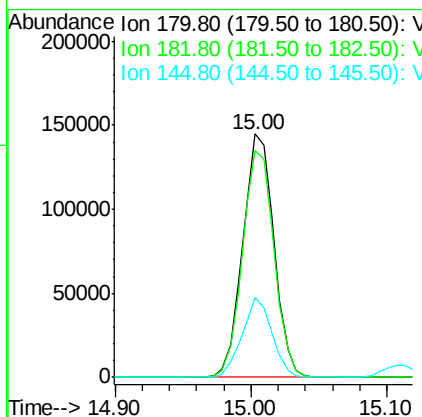
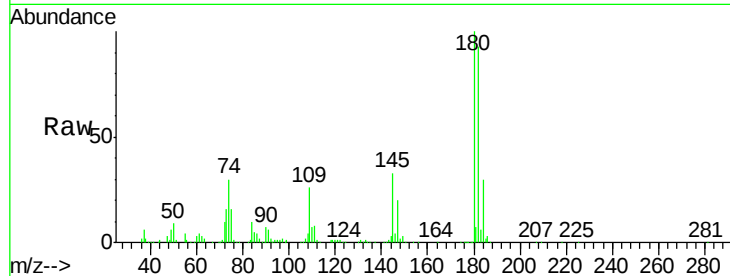
#93
1,2,4-Trichlorobenzene
Concen: 58.925 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	231722		
182	94.4	47.3	141.9	
145	31.5	16.0	47.9	

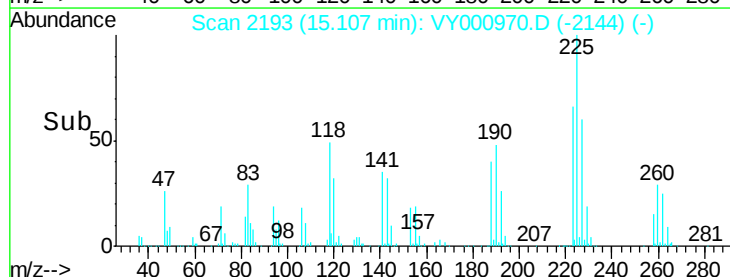
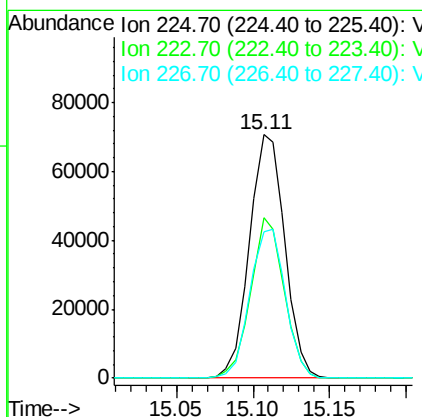
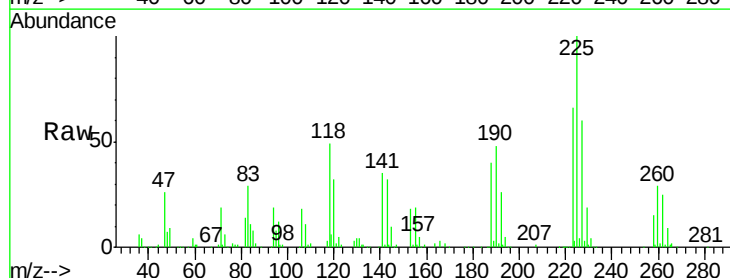
Manual Integrations
APPROVED

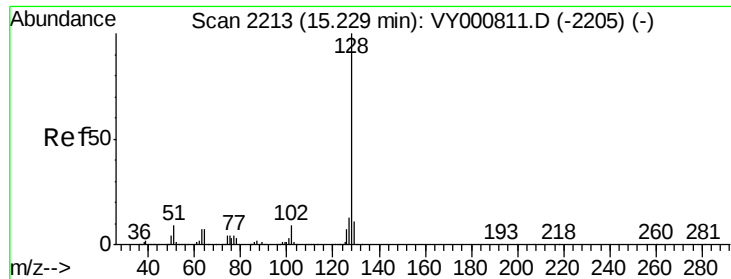
MMDadoda
12/18/2019 1:01:50 PM



#94
Hexachlorobutadiene
Concen: 58.305 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113677		
223	62.3	31.4	94.3	
227	61.6	31.8	95.3	





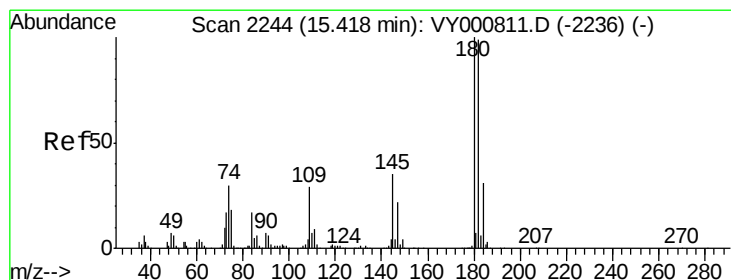
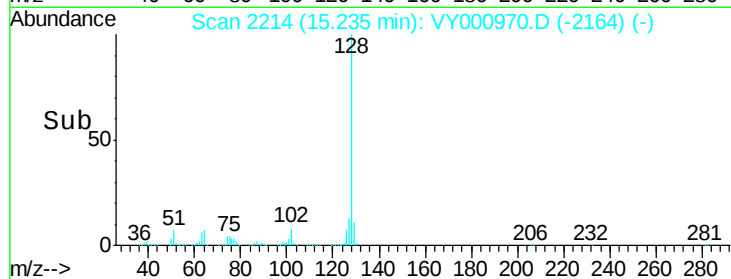
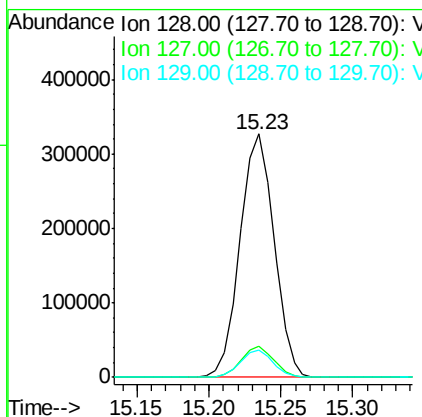
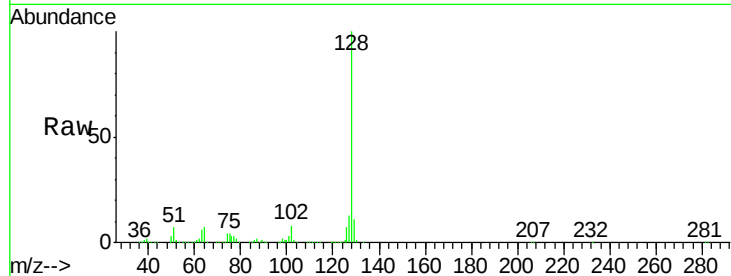
#95
Naphthalene
Concen: 58.947 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	538251		
127	12.1		10.1	15.1
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.589 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000970.D
Acq: 17 Dec 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202286		
182	96.4		48.0	144.0
145	33.1		16.9	50.6

