

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002781.D
 Acq On : 28 May 2020 10:10
 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
 5/29/2020 10:57:03 AM

Quant Time: May 28 16:52:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	306140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	447223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	221112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	126447	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	7.72	113	127117	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.18	98	509670	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.48	95	175487	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	105389	50.031	ug/l	97
3) Chloromethane	2.12	50	118359	50.798	ug/l	98
4) Vinyl Chloride	2.26	62	130968	53.180	ug/l	99
5) Bromomethane	2.65	94	91936	49.815	ug/l	97
6) Chloroethane	2.80	64	81082	50.788	ug/l	100
7) Trichlorofluoromethane	3.13	101	214792	49.245	ug/l	98
8) Diethyl Ether	3.54	74	78046	45.825	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	131323	50.709	ug/l	99
10) Methyl Iodide	4.10	142	174609	48.185	ug/l	99
11) Tert butyl alcohol	4.97	59	71952	251.948	ug/l	99
12) 1,1-Dichloroethene	3.88	96	131432	50.466	ug/l	96
13) Acrolein	3.74	56	76214	244.664	ug/l	99
14) Allyl chloride	4.49	41	189942	50.851	ug/l	99
15) Acrylonitrile	5.17	53	197304	256.794	ug/l	99
16) Acetone	3.96	43	177985	285.552	ug/l	97
17) Carbon Disulfide	4.20	76	390305	49.594	ug/l	99
18) Methyl Acetate	4.49	43	77834	49.761	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	361869	50.331	ug/l	99
20) Methylene Chloride	4.72	84	144203	47.341	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	145999	49.848	ug/l	96
22) Diisopropyl ether	6.13	45	397698	51.236	ug/l	98
23) Vinyl Acetate	6.07	43	1354840	264.372	ug/l	99
24) 1,1-Dichloroethane	6.03	63	231584	51.002	ug/l	99
25) 2-Butanone	6.99	43	255036	262.625	ug/l	100
26) 2,2-Dichloropropane	6.99	77	216951	49.819	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	163900	49.988	ug/l	99
28) Bromochloromethane	7.34	49	91463	49.068	ug/l	99
29) Tetrahydrofuran	7.35	42	162696	257.566	ug/l	100
30) Chloroform	7.52	83	247306	51.327	ug/l	95
31) Cyclohexane	7.79	56	216477	48.018	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	228072	50.796	ug/l	100
36) 1,1-Dichloropropene	7.92	75	194486	51.625	ug/l	100
37) Ethyl Acetate	7.08	43	106936	52.172	ug/l	99
38) Carbon Tetrachloride	7.91	117	211912	50.635	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002781.D
 Acq On : 28 May 2020 10:10
 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
 5/29/2020 10:57:03 AM

Quant Time: May 28 16:52:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	252898	50.929	ug/l	99
40) Benzene	8.16	78	574216	51.584	ug/l	99
41) Methacrylonitrile	7.33	41	57695m	52.395	ug/l	
42) 1,2-Dichloroethane	8.24	62	158461	50.794	ug/l	99
43) Isopropyl Acetate	8.28	43	201695	51.927	ug/l	100
44) Trichloroethene	8.94	130	178259	50.697	ug/l	100
45) 1,2-Dichloropropane	9.22	63	136704	51.210	ug/l	99
46) Dibromomethane	9.31	93	81002	51.093	ug/l	99
47) Bromodichloromethane	9.50	83	195684	52.358	ug/l	99
48) Methyl methacrylate	9.30	41	92246	52.609	ug/l	99
49) 1,4-Dioxane	9.30	88	24860	1021.247	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	543185	264.096	ug/l	99
52) Toluene	10.24	92	375485	51.563	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	211898	51.907	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	240758	52.049	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	123049	50.697	ug/l	94
56) Ethyl methacrylate	10.51	69	170557	52.464	ug/l	99
57) 1,3-Dichloropropane	10.79	76	206069	51.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	406571	255.947	ug/l	100
59) 2-Hexanone	10.83	43	395191	270.803	ug/l	100
60) Dibromochloromethane	10.99	129	159059	51.690	ug/l	99
61) 1,2-Dibromoethane	11.09	107	123555	51.605	ug/l	99
64) Tetrachloroethene	10.72	164	191107	50.486	ug/l	97
65) Chlorobenzene	11.52	112	418944	50.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	160030	51.617	ug/l	100
67) Ethyl Benzene	11.60	91	732425	51.322	ug/l	99
68) m/p-Xylenes	11.70	106	570183	103.048	ug/l	100
69) o-Xylene	12.03	106	269466	51.587	ug/l	100
70) Styrene	12.05	104	473162	52.253	ug/l	100
71) Bromoform	12.20	173	108531	52.316	ug/l	# 100
73) Isopropylbenzene	12.33	105	739998	52.224	ug/l	100
74) N-amyl acetate	12.14	43	194086	53.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	129974	52.279	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	107120m	53.765	ug/l	
77) Bromobenzene	12.61	156	188341	51.046	ug/l	99
78) n-propylbenzene	12.67	91	860398	52.567	ug/l	100
79) 2-Chlorotoluene	12.75	91	472370	51.448	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	616853	52.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56358	53.293	ug/l	98
82) 4-Chlorotoluene	12.86	91	499989	51.976	ug/l	100
83) tert-Butylbenzene	13.08	119	549715	52.089	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	622066	52.291	ug/l	100
85) sec-Butylbenzene	13.25	105	751512	52.080	ug/l	100
86) p-Isopropyltoluene	13.37	119	700748	52.190	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	354804	50.767	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	355767	50.888	ug/l	100
89) n-Butylbenzene	13.70	91	639932	52.495	ug/l	99
90) Hexachloroethane	13.96	117	130854	52.057	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	324646	51.220	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25064	52.400	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
Data File : VY002781.D
Acq On : 28 May 2020 10:10
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
5/29/2020 10:57:03 AM

Quant Time: May 28 16:52:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	237788	49.773	ug/l	99
94) Hexachlorobutadiene	15.11	225	135430	49.981	ug/l	99
95) Naphthalene	15.23	128	482993	50.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	211326	49.535	ug/l	100

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

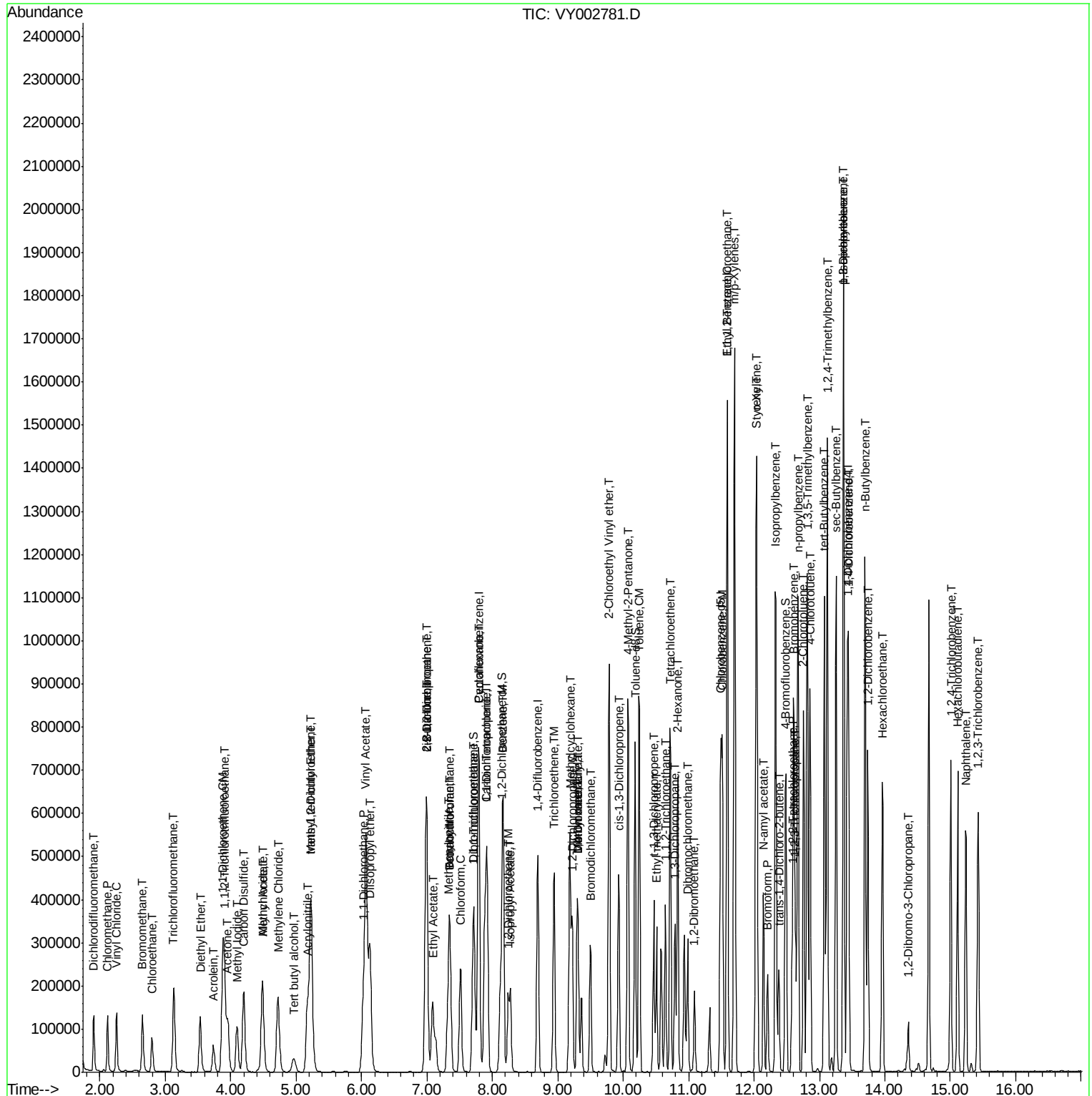
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
Data File : VY002781.D
Acq On : 28 May 2020 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

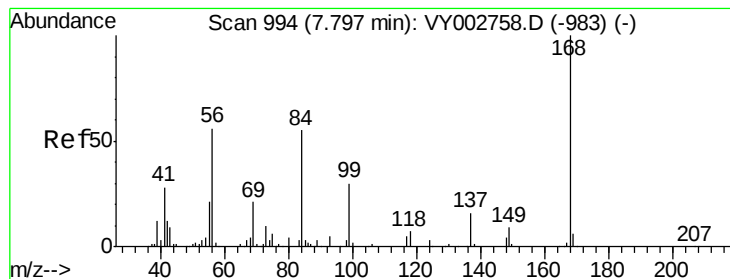
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM

Quant Time: May 28 16:52:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 306140

Ion Ratio Lower Upper

168 100

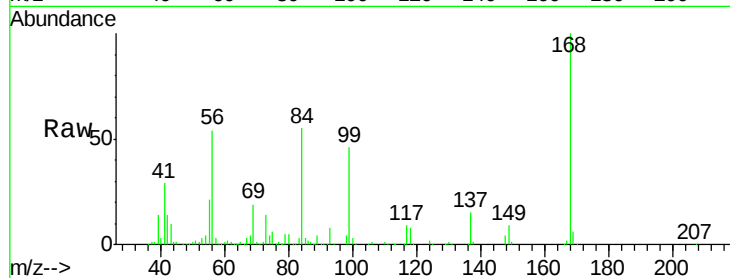
99 46.2 39.0 58.4

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

150000

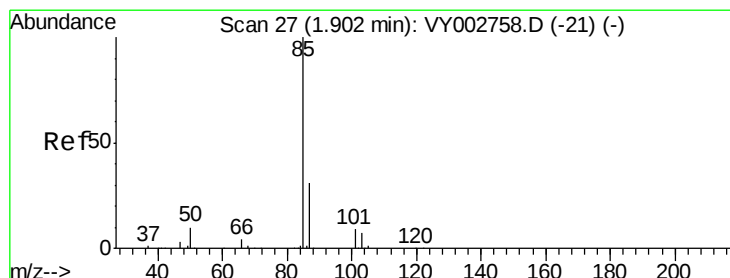
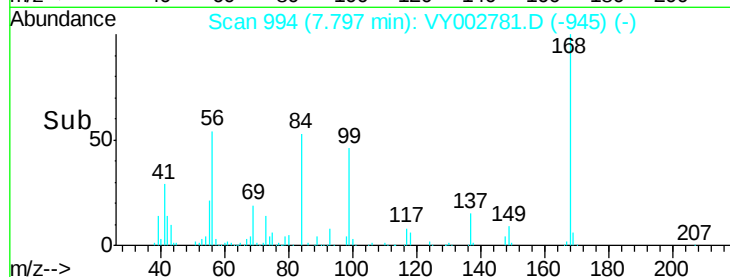
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.031 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002781.D

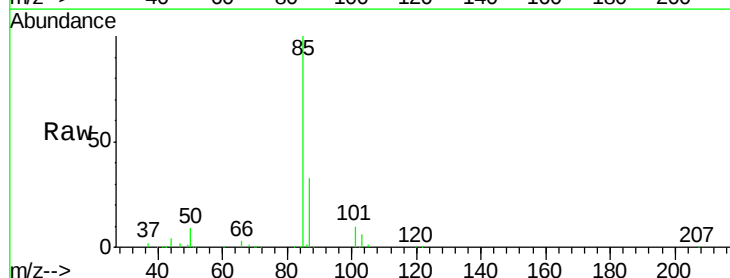
Acq: 28 May 2020 10:10

Tgt Ion: 85 Resp: 105389

Ion Ratio Lower Upper

85 100

87 32.6 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002758.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002758.D (-21) (-)

1.91

80000

60000

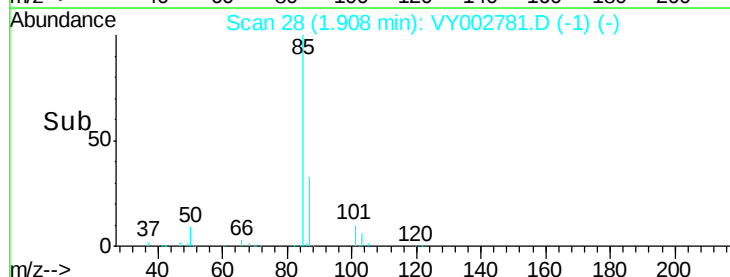
40000

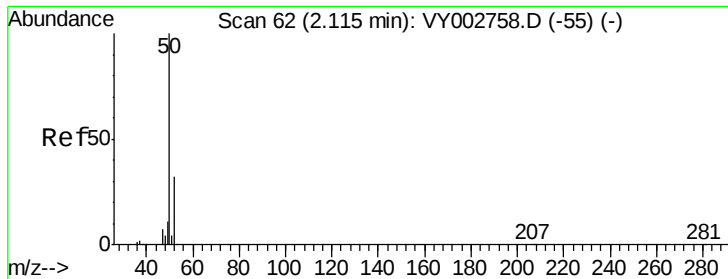
20000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 50.798 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118359

Ion Ratio Lower Upper

50 100

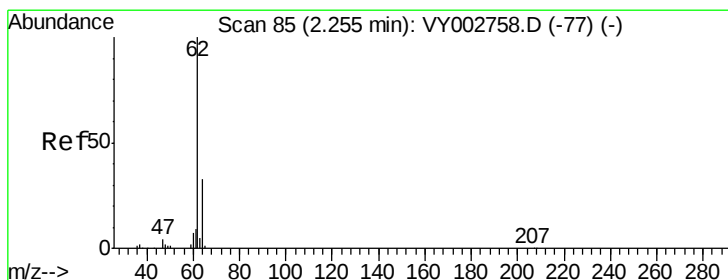
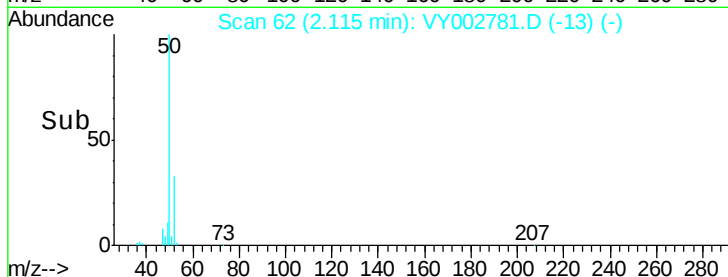
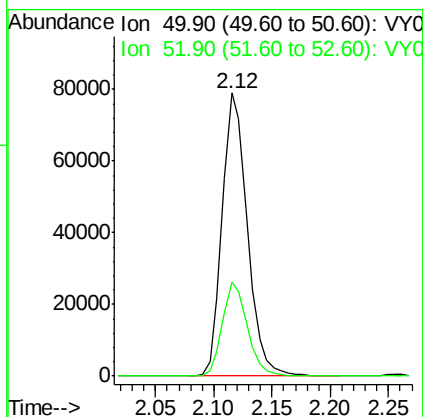
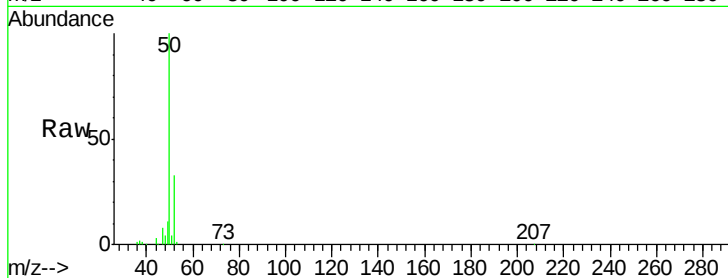
52 33.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#4

Vinyl Chloride

Concen: 53.180 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002781.D

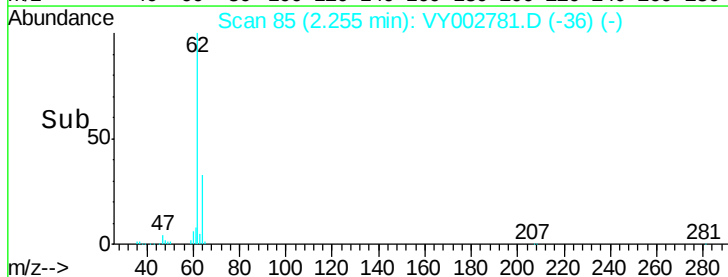
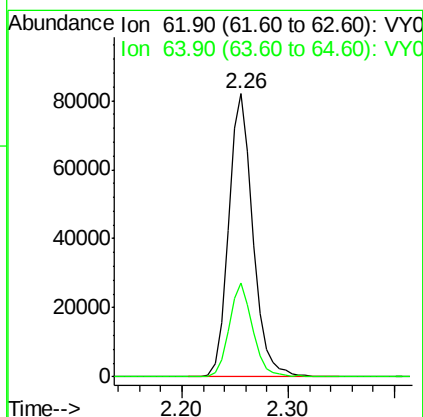
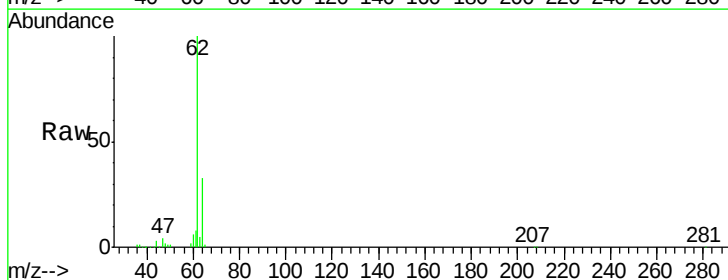
Acq: 28 May 2020 10:10

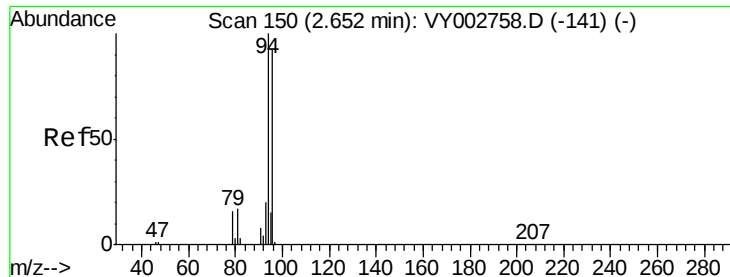
Tgt Ion: 62 Resp: 130968

Ion Ratio Lower Upper

62 100

64 33.0 26.1 39.1





#5

Bromomethane

Concen: 49.815 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91936

Ion Ratio Lower Upper

94 100

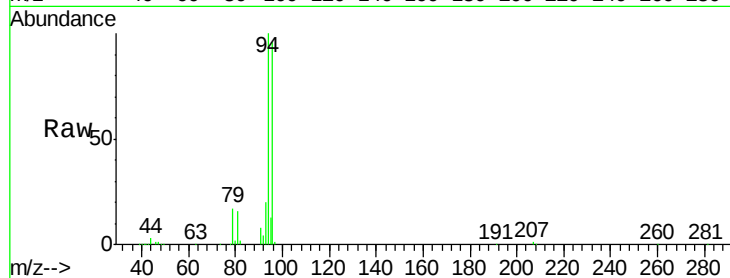
96 95.4 73.7 110.5

Manual Integrations

APPROVED

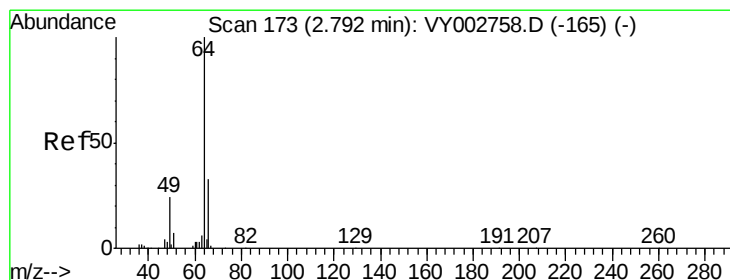
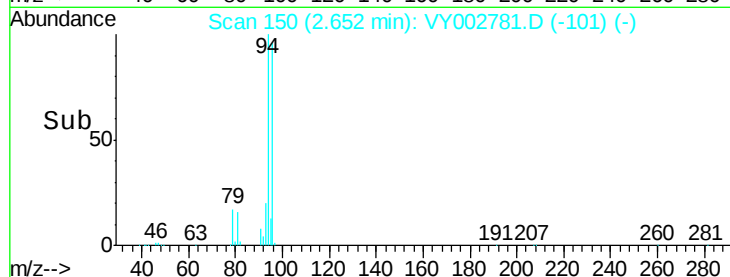
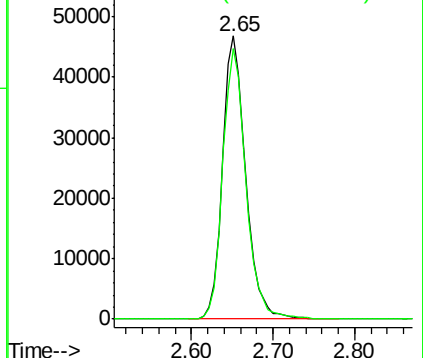
MMDadoda

5/29/2020 10:57:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.788 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002781.D

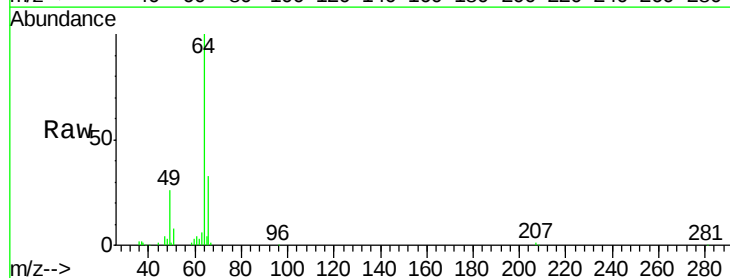
Acq: 28 May 2020 10:10

Tgt Ion: 64 Resp: 81082

Ion Ratio Lower Upper

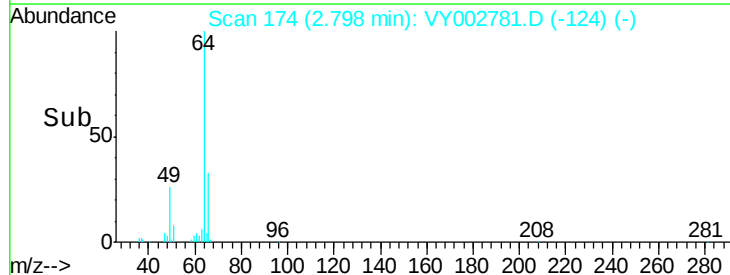
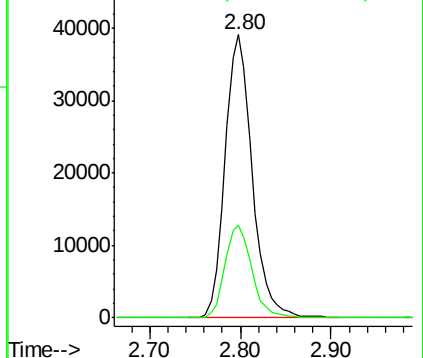
64 100

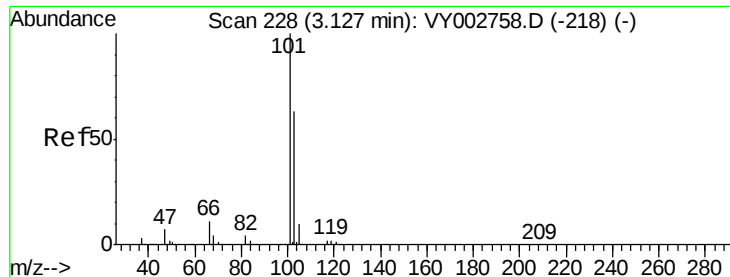
66 32.9 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

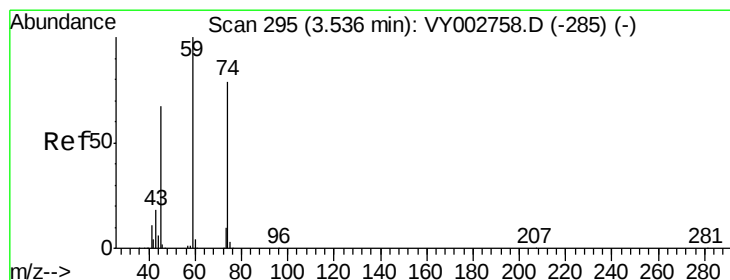
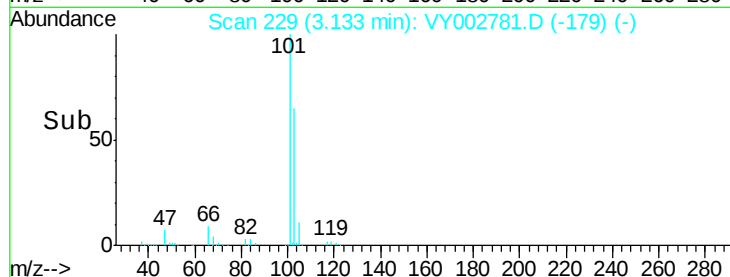
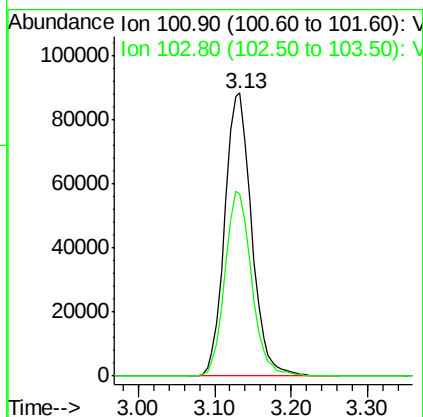
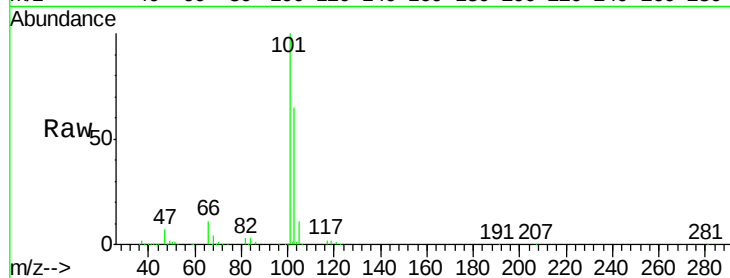
Trichlorofluoromethane
Concen: 49.245 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	214792		
103	64.5	50.6	76.0	

Manual Integrations
APPROVED

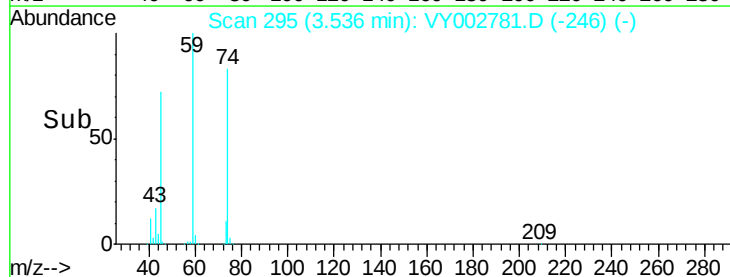
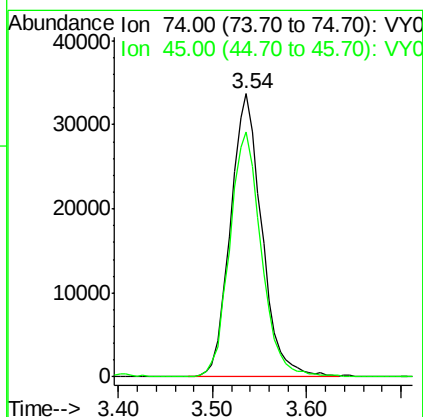
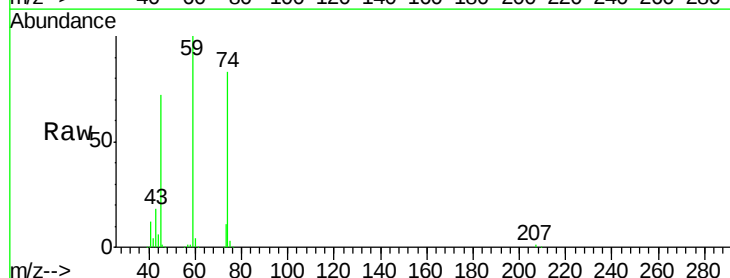
MMDadoda
5/29/2020 10:57:03 AM

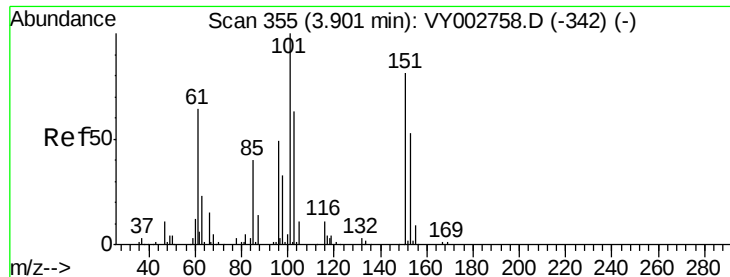


#8

Diethyl Ether
Concen: 45.825 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78046		
45	87.4	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.709 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

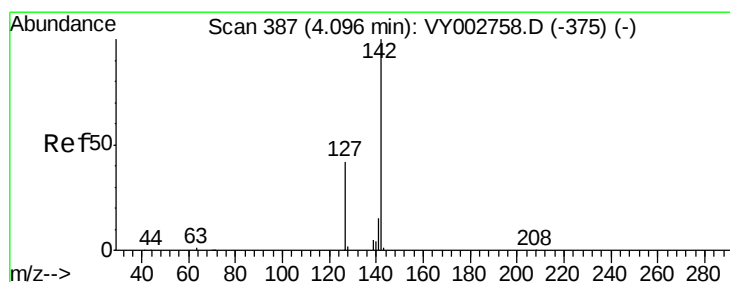
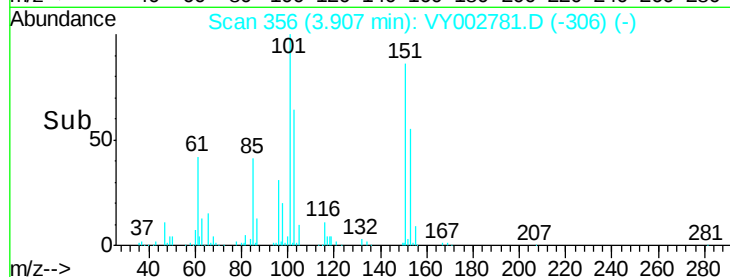
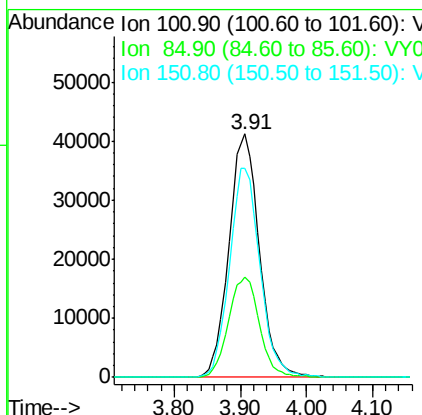
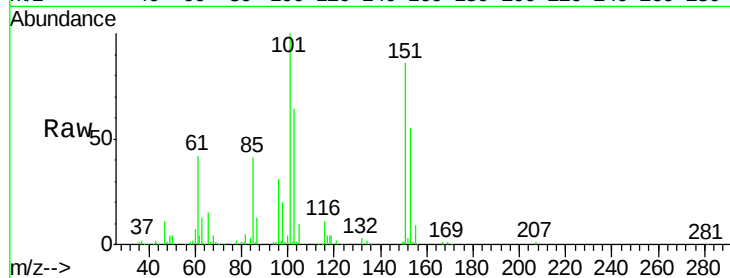
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	131323
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	86.4	68.0	102.0

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#10

Methyl Iodide

Concen: 48.185 ug/l

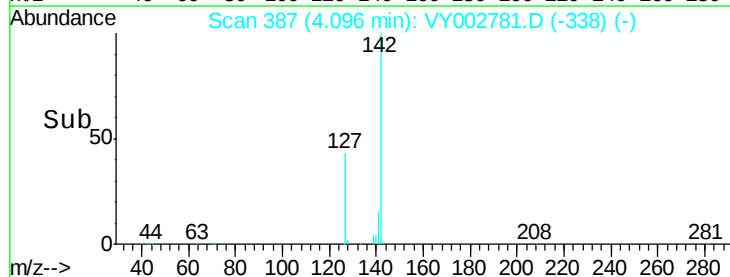
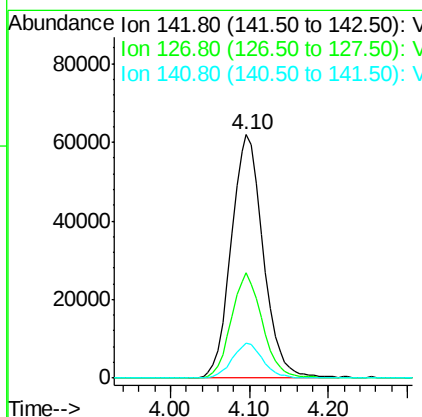
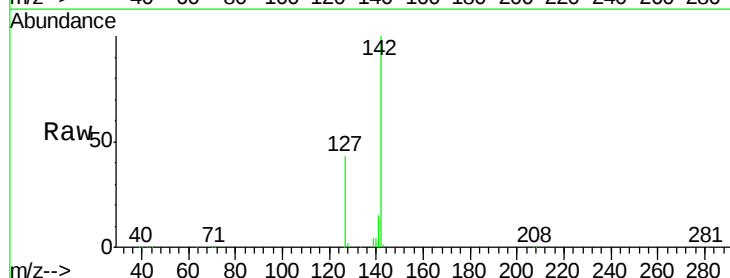
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	142	Resp:	174609
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.3	49.9
141	14.0	11.5	17.3





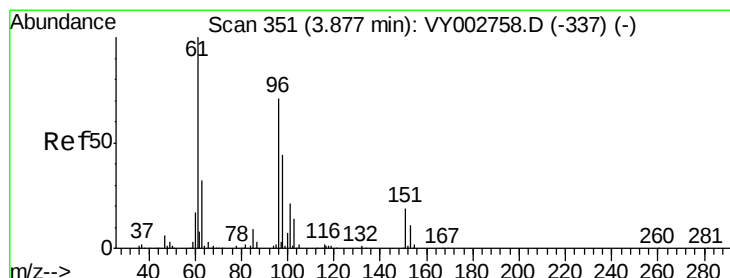
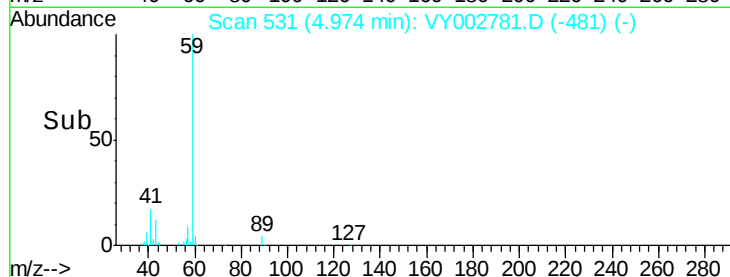
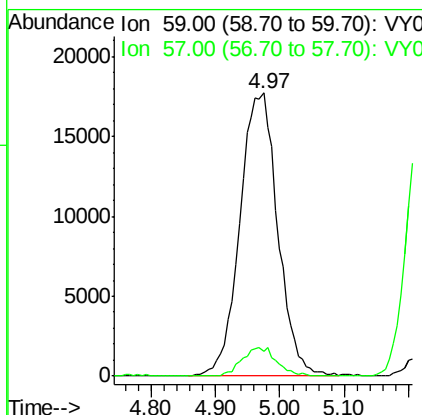
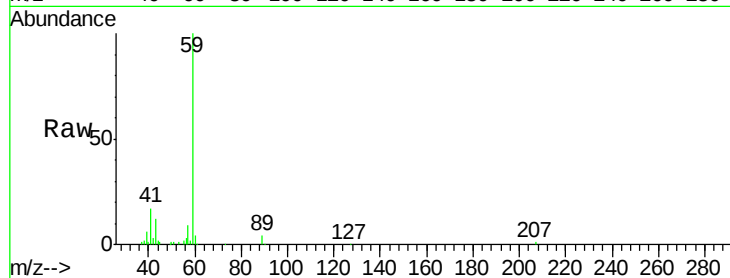
#11
Tert butyl alcohol
Concen: 251.948 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.7	11.5

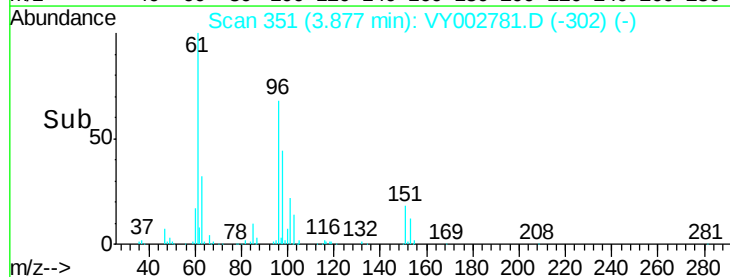
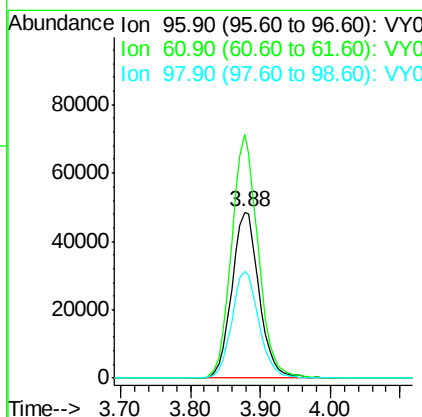
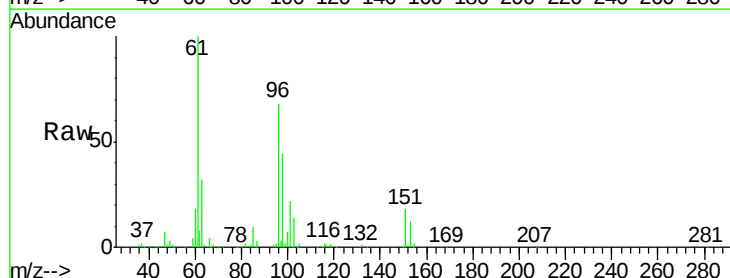
Manual Integrations
APPROVED

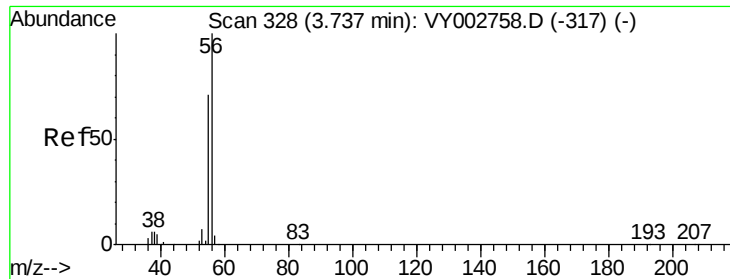
MMDadoda
5/29/2020 10:57:03 AM



#12
1,1-Dichloroethene
Concen: 50.466 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	112.6	168.8
98	64.5	50.0	75.0





#13

Acrolein

Concen: 244.664 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76214

Ion Ratio Lower Upper

56 100

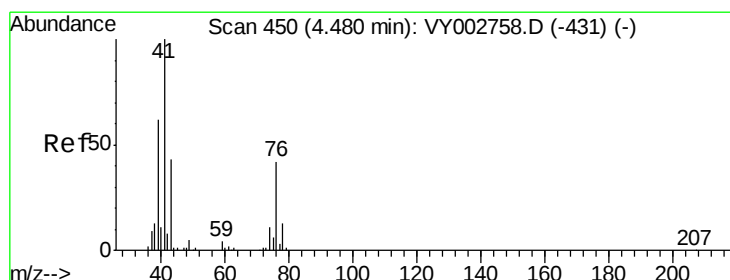
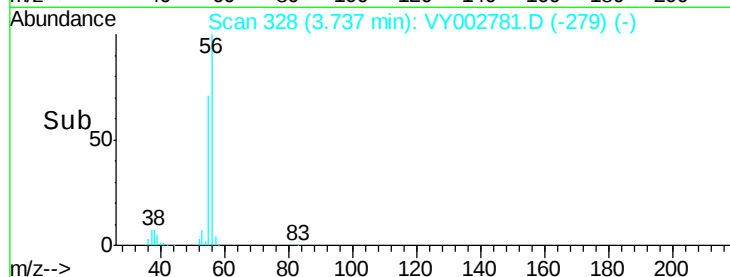
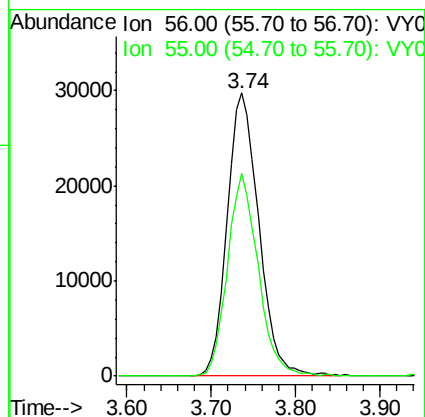
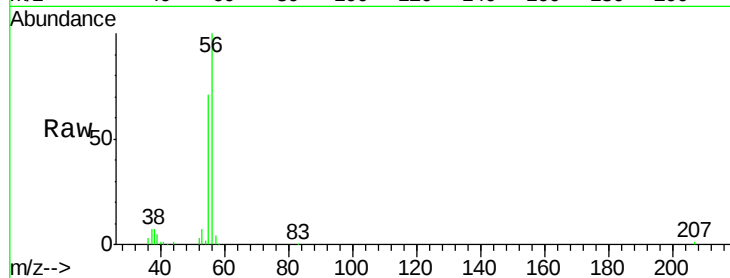
55 69.2 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#14

Allyl chloride

Concen: 50.851 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

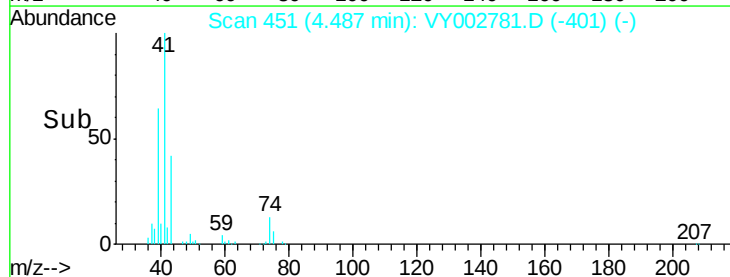
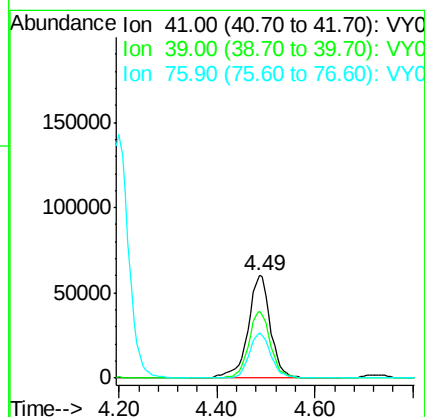
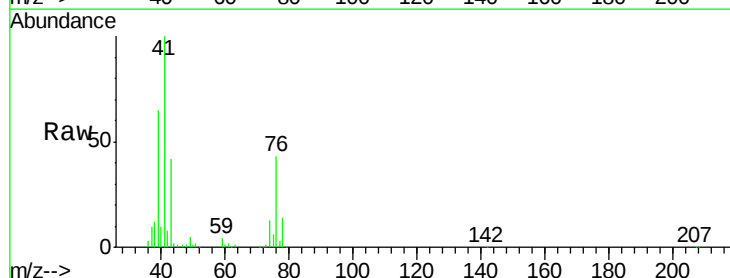
Tgt Ion: 41 Resp: 189942

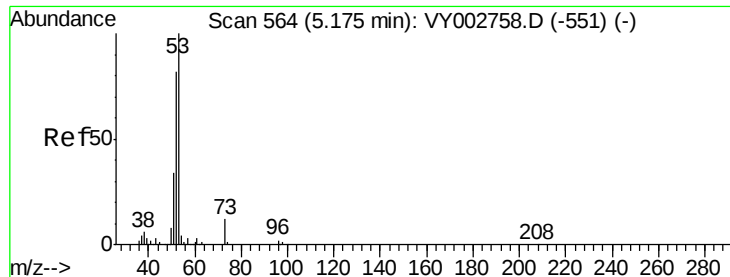
Ion Ratio Lower Upper

41 100

39 63.5 49.9 74.9

76 41.9 33.2 49.8





#15

Acrylonitrile

Concen: 256.794 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

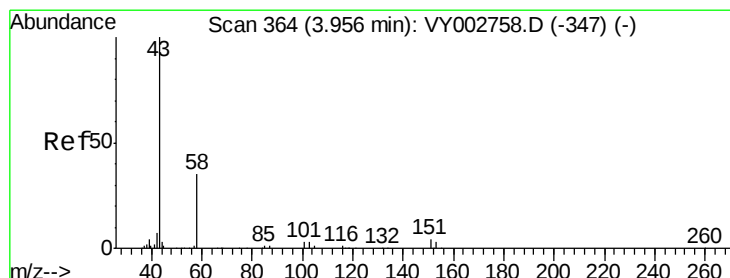
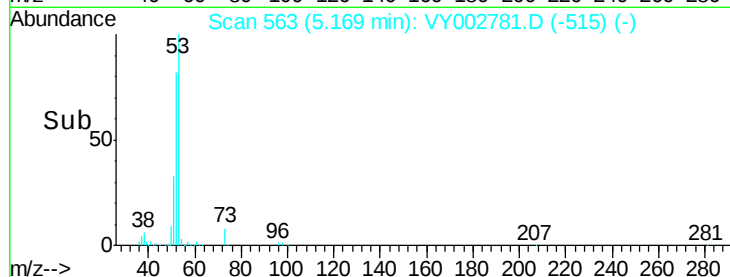
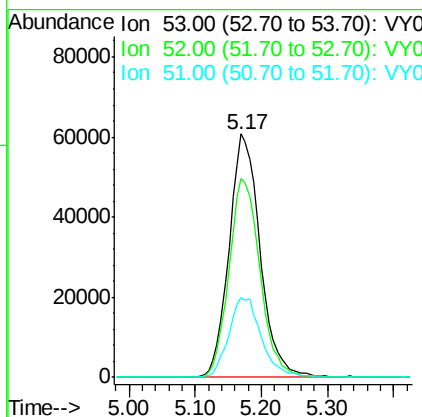
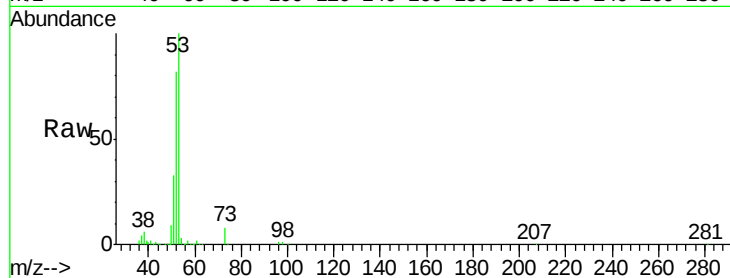
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	197304
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	34.6	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#16

Acetone

Concen: 285.552 ug/l

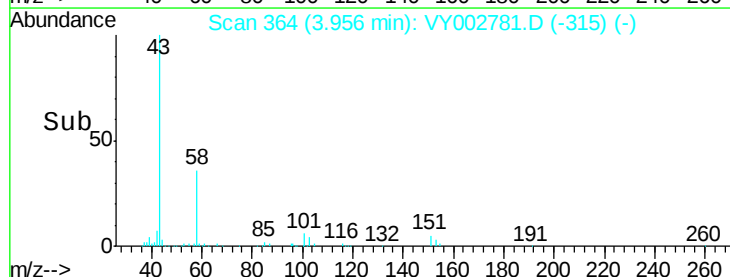
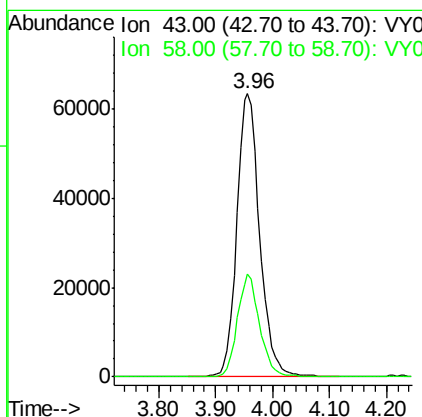
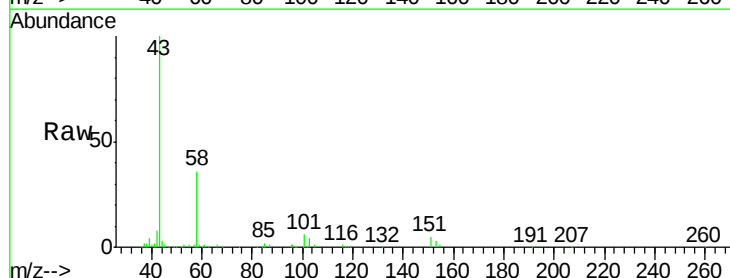
RT: 3.96 min Scan# 364

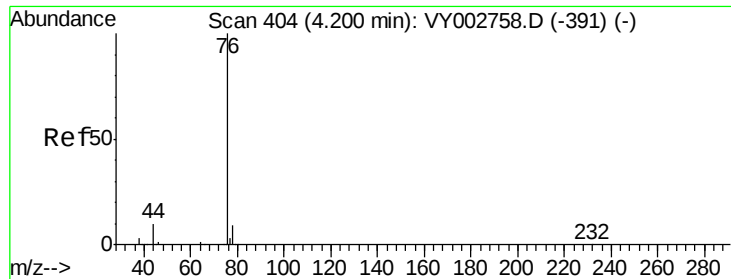
Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	43	Resp:	177985
Ion Ratio	Lower	Upper	
43	100		
58	36.3	27.7	41.5





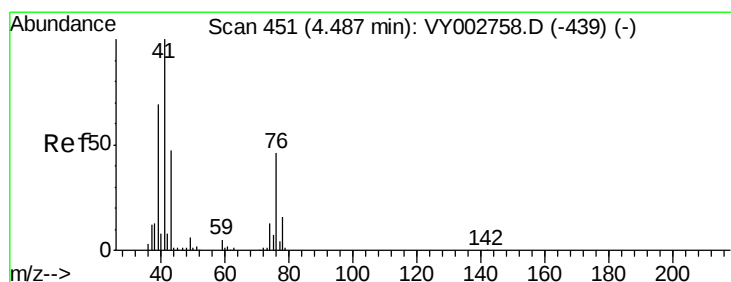
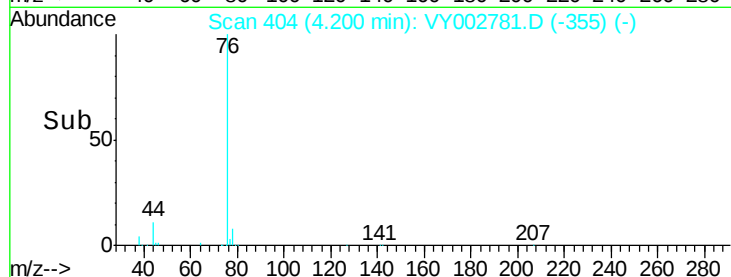
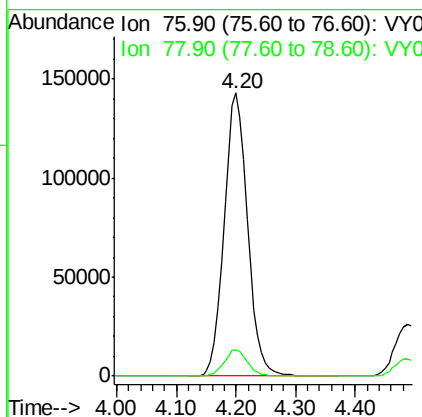
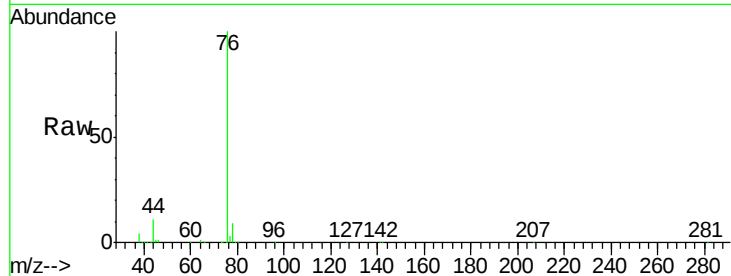
#17
Carbon Disulfide
Concen: 49.594 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	390305		
78	9.0		6.9	10.3

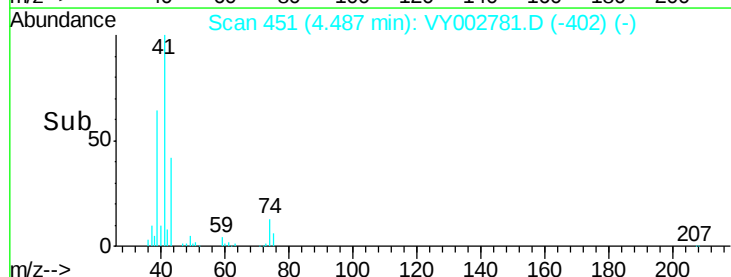
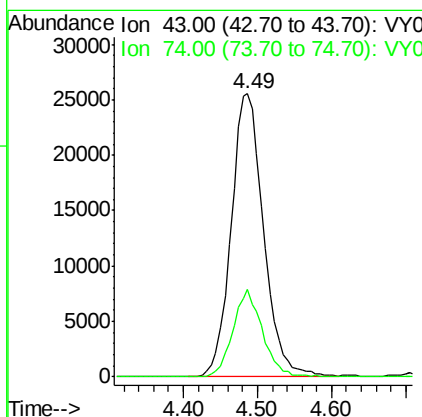
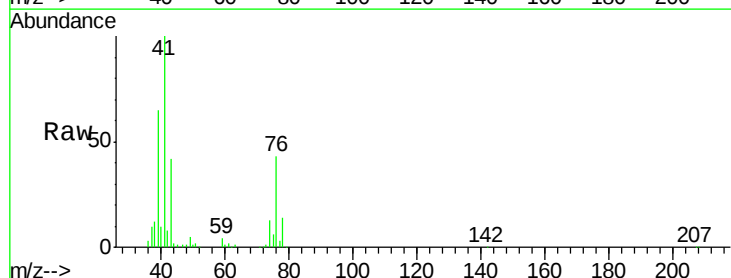
Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#18
Methyl Acetate
Concen: 49.761 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	77834		
74	28.2		21.4	32.0





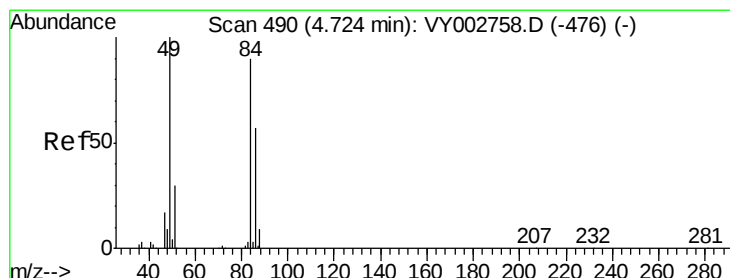
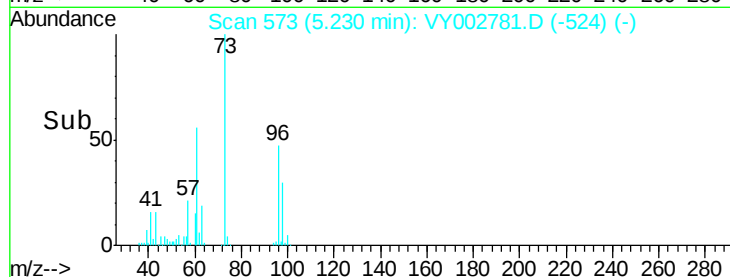
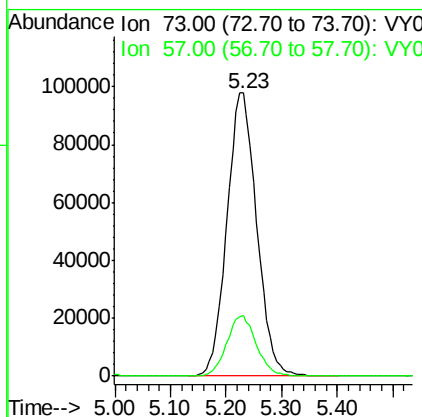
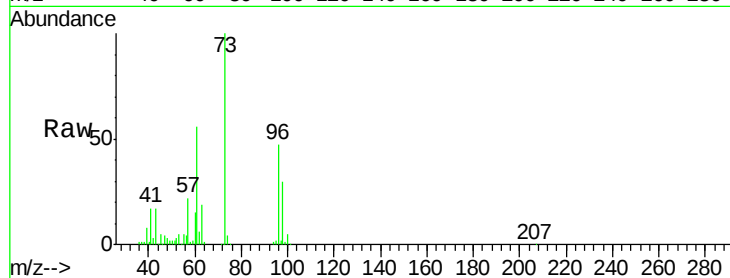
#19
Methvl tert-butvl Ether
Concen: 50.331 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 361869
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.4

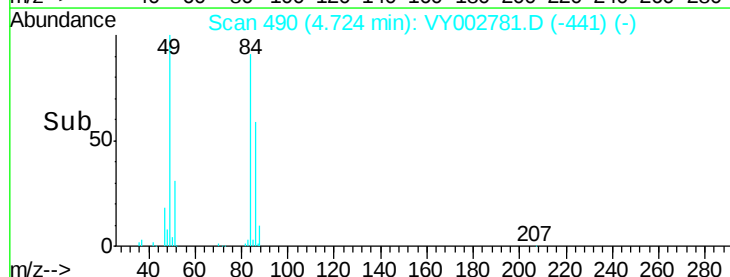
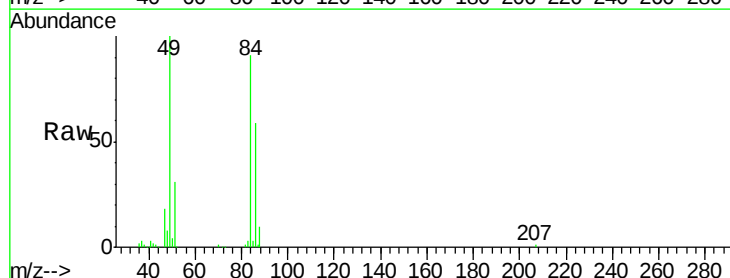
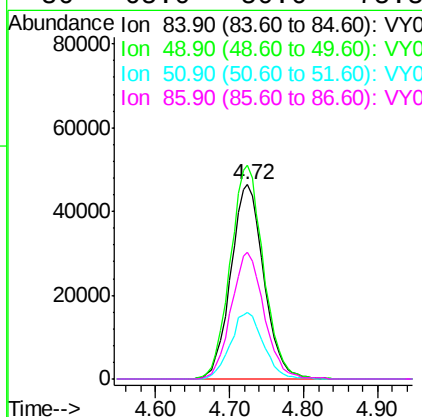
Manual Integrations
APPROVED

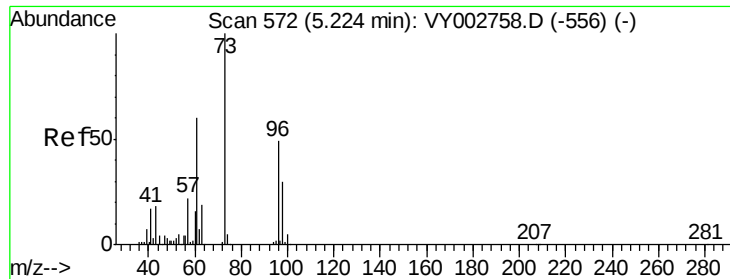
MMDadoda
5/29/2020 10:57:03 AM



#20
Methylene Chloride
Concen: 47.341 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion: 84 Resp: 144203
Ion Ratio Lower Upper
84 100
49 110.1 88.5 132.7
51 34.4 26.8 40.2
86 65.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.848 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

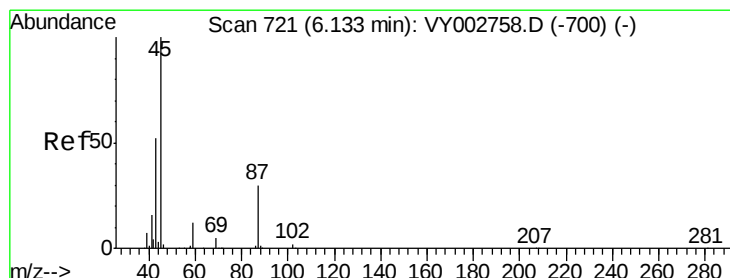
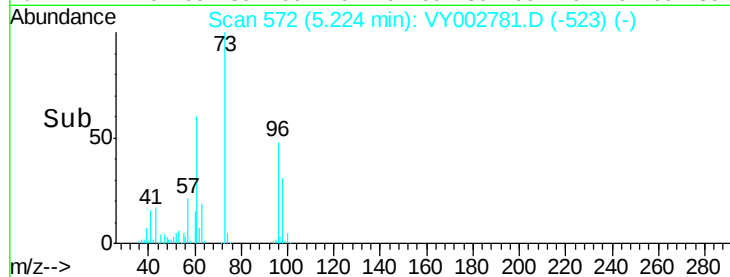
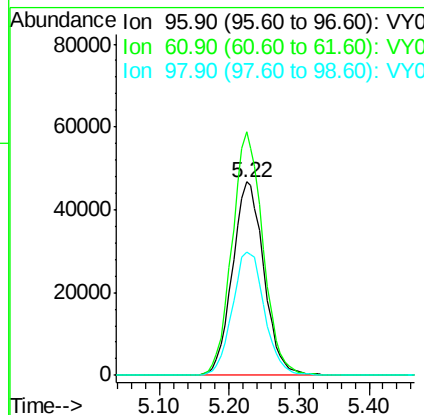
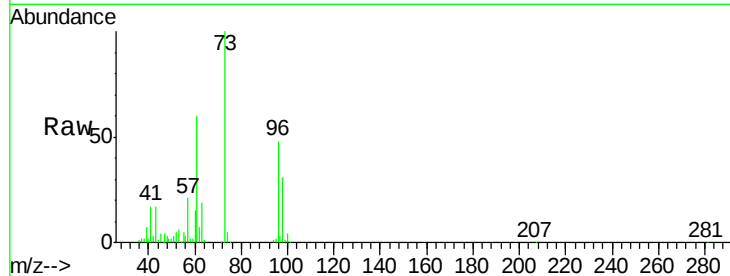
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	145999
Ion	Ratio	Lower	Upper
96	100		
61	126.1	96.8	145.2
98	64.1	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#22

Diisopropyl ether

Concen: 51.236 ug/l

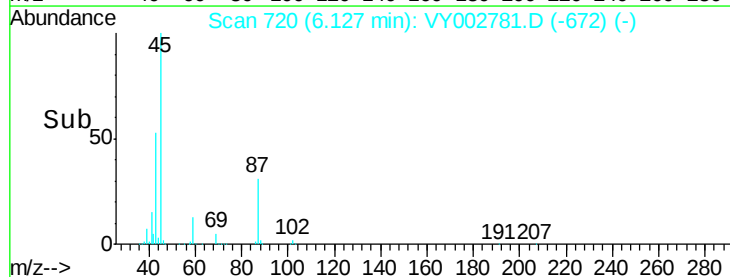
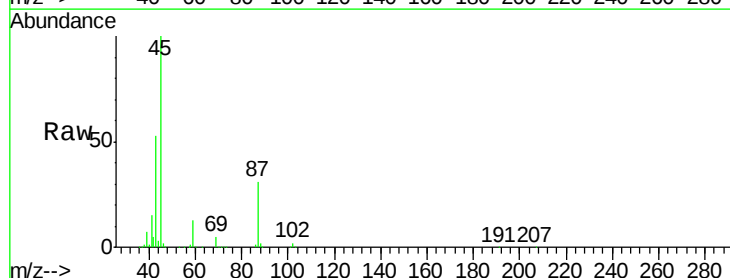
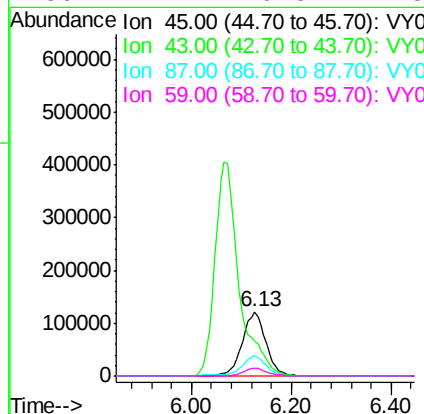
RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	45	Resp:	397698
Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.7	62.5
87	31.4	24.2	36.2
59	12.7	9.8	14.8





#23

Vinyl Acetate

Concen: 264.372 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1354840

Ion Ratio Lower Upper

43 100

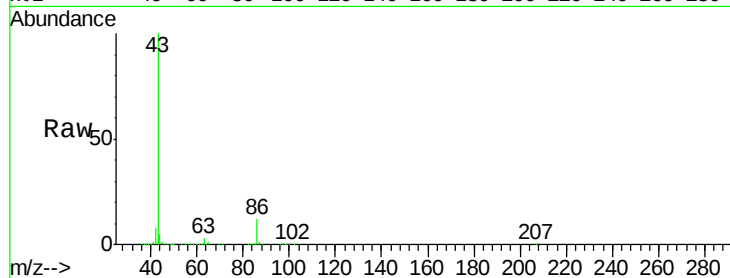
86 12.5 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

400000

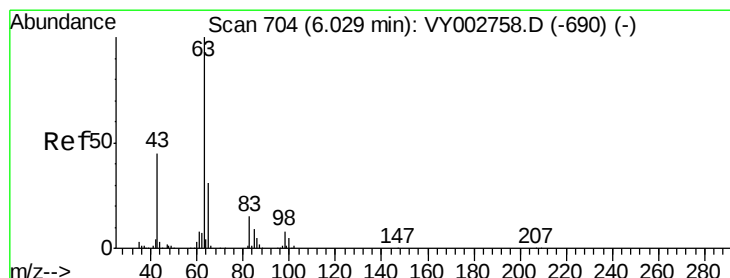
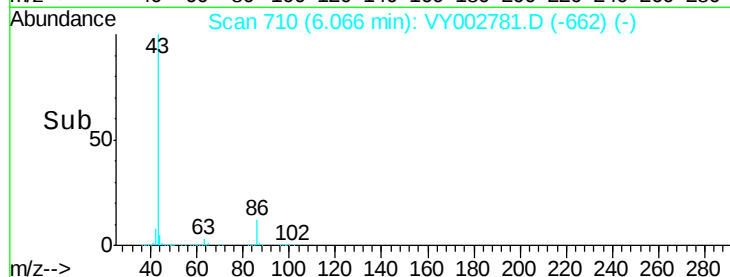
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.002 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

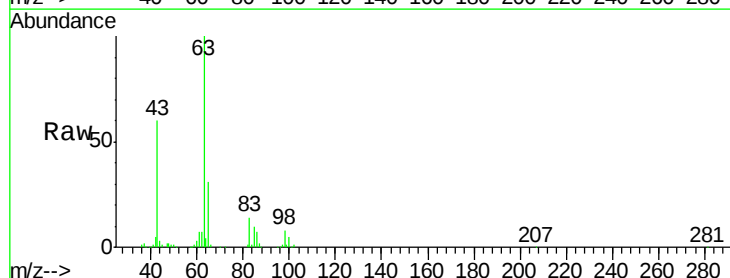
Tgt Ion: 63 Resp: 231584

Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.2

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

100000

80000

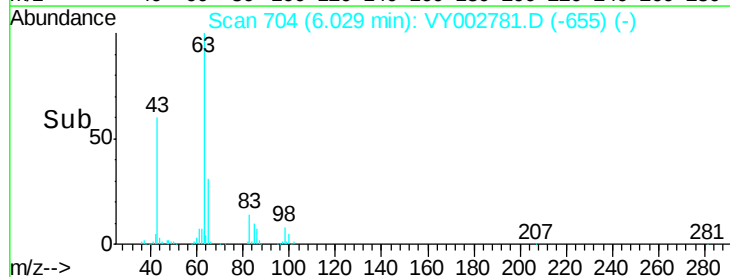
60000

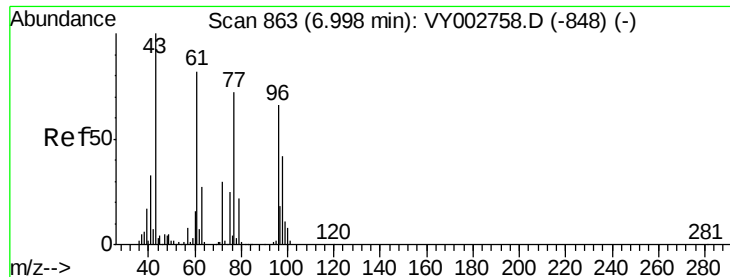
40000

20000

0

Time-->





#25

2-Butanone

Concen: 262.625 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 255036

Ion Ratio Lower Upper

43 100

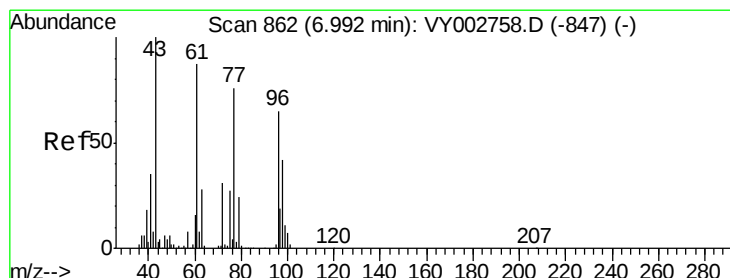
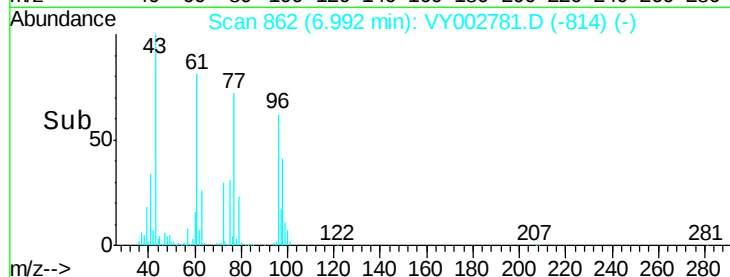
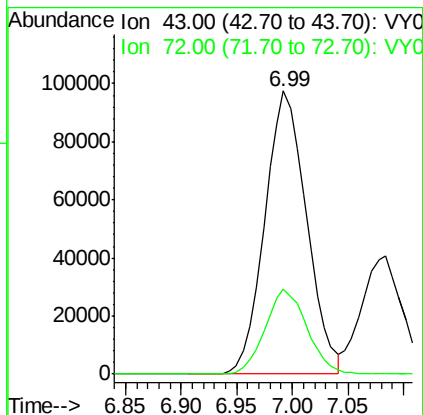
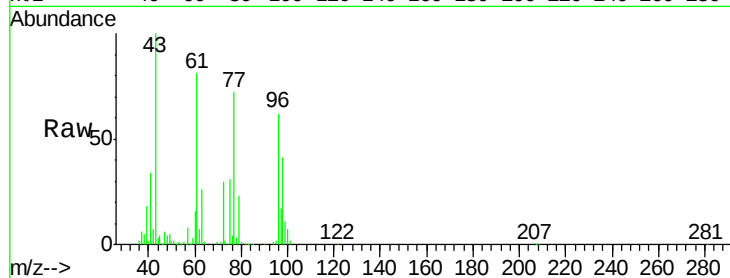
72 29.9 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#26

2,2-Dichloropropane

Concen: 49.819 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002781.D

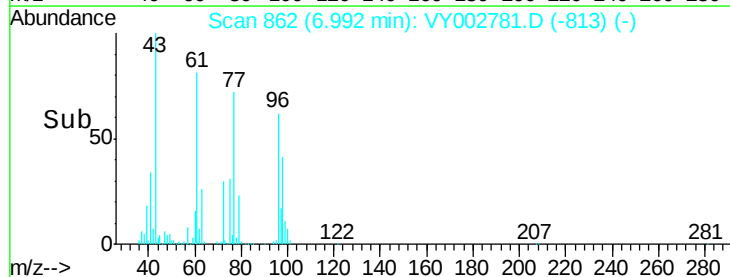
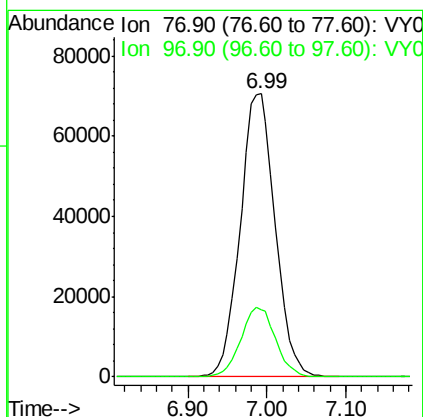
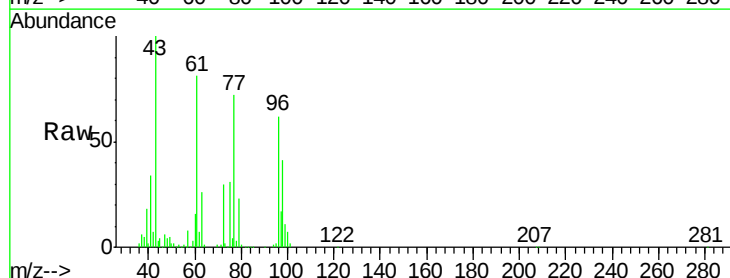
Acq: 28 May 2020 10:10

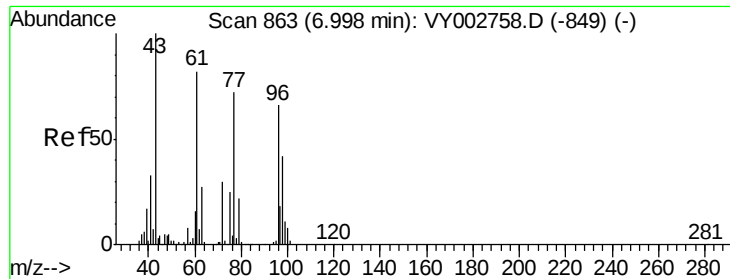
Tgt Ion: 77 Resp: 216951

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

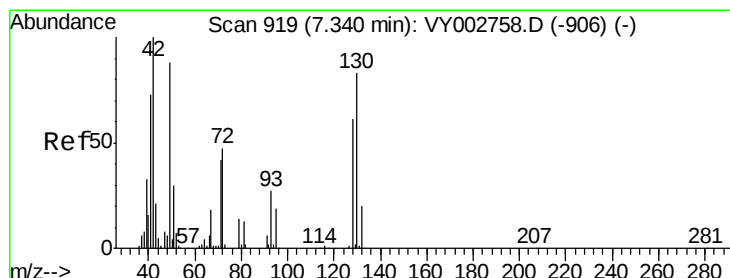
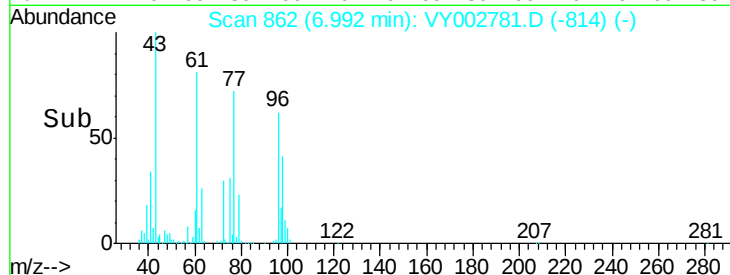
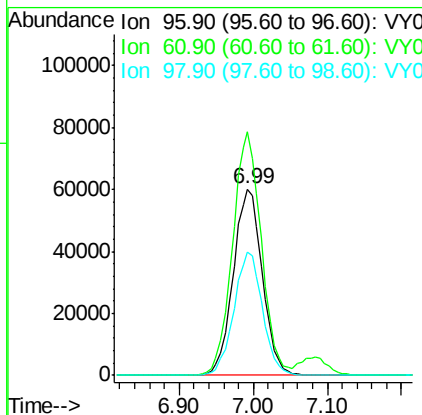
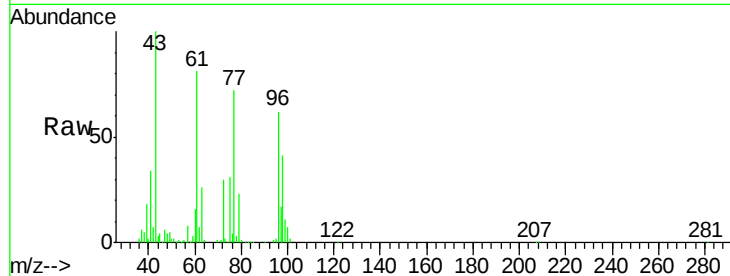
cis-1,2-Dichloroethene
 Concen: 49.988 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	260.2	
98	65.2	0.0	128.2	

Manual Integrations
 APPROVED

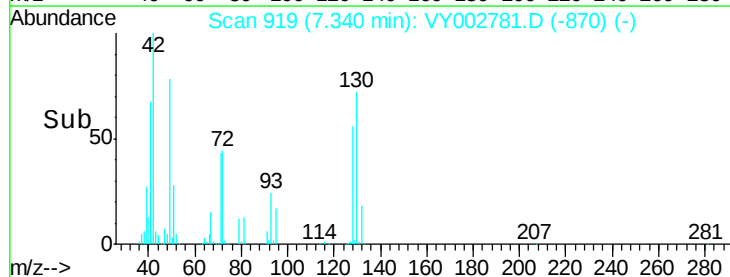
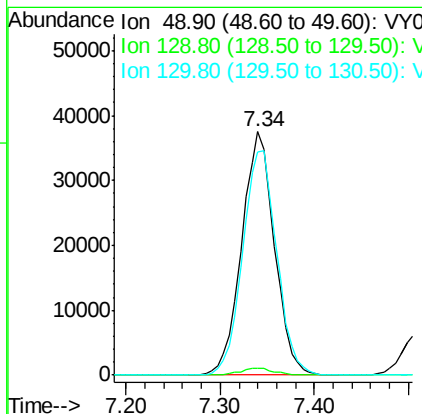
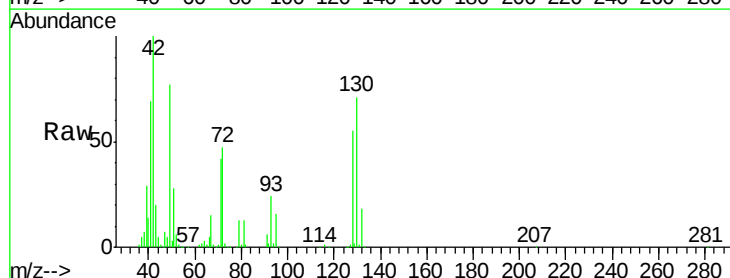
MMDadoda
 5/29/2020 10:57:03 AM

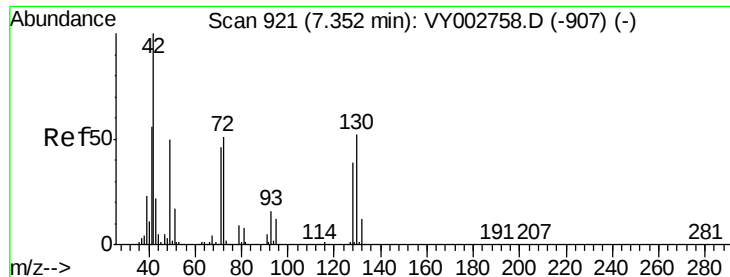


#28

Bromochloromethane
 Concen: 49.068 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.2	
130	95.8	77.1	115.7	





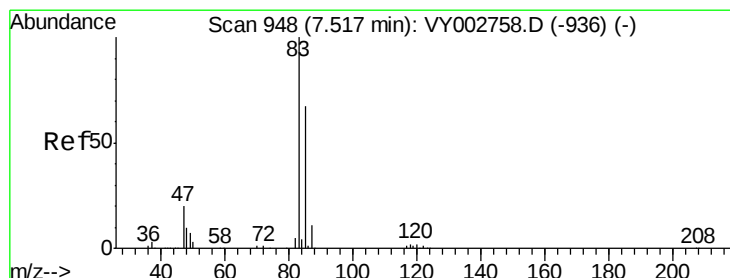
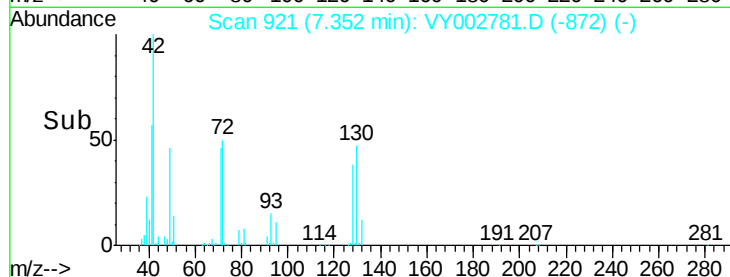
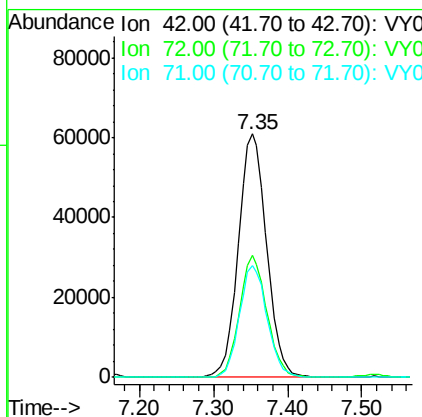
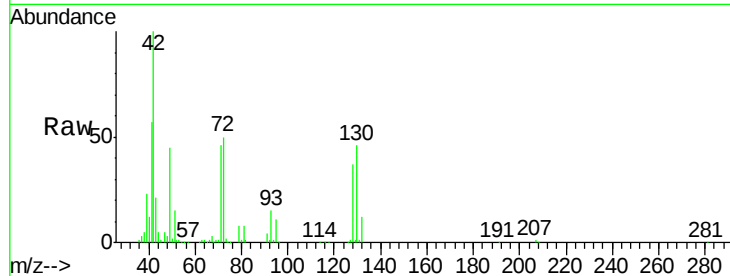
#29
Tetrahydrofuran
Concen: 257.566 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	38.6	58.0
71	44.7	35.8	53.8

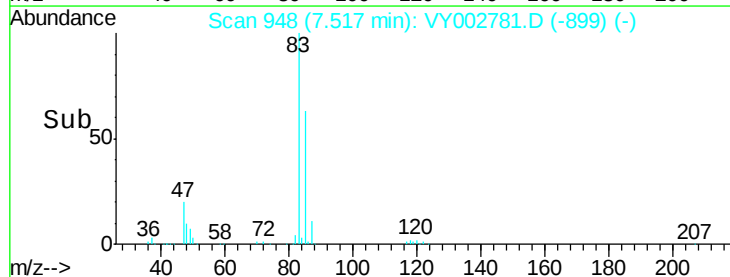
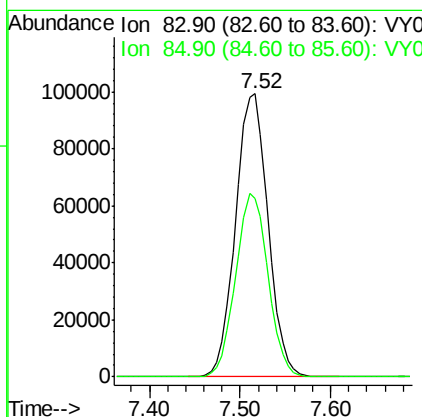
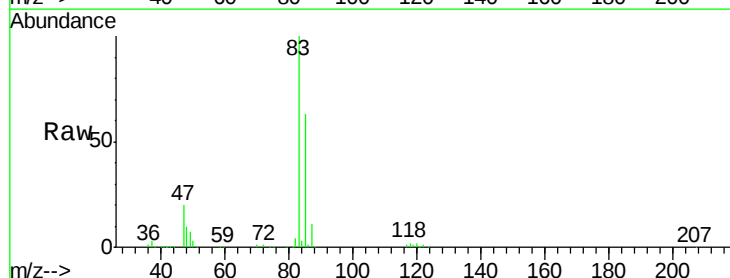
Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#30
Chloroform
Concen: 51.327 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.8	80.8





#31

Cyclohexane

Concen: 48.018 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

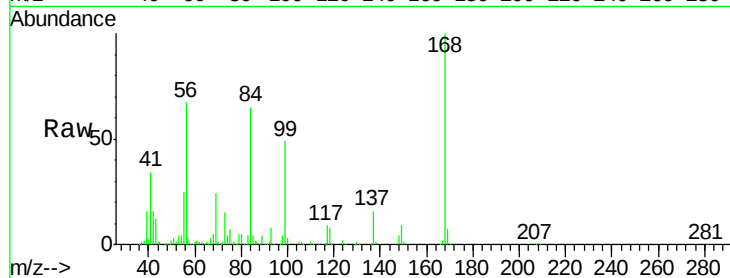
ClientSampleId :

VSTDCCC050

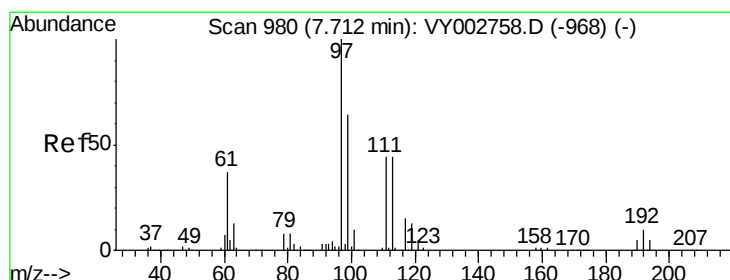
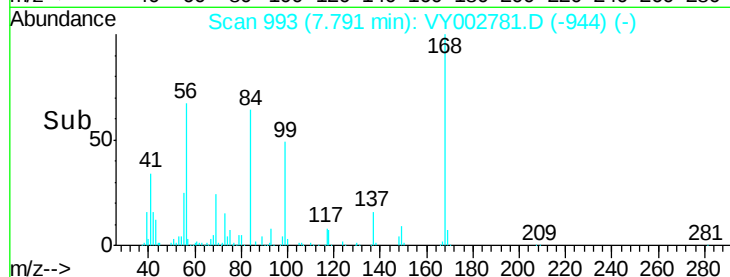
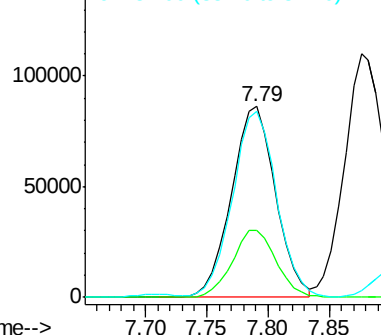
Tot Ion:	56	Resp:	216477
Ion	Ratio	Lower	Upper
56	100		
69	35.4	28.0	42.0
84	95.5	77.7	116.5

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



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



#32

1,1,1-Trichloroethane

Concen: 50.796 ug/l

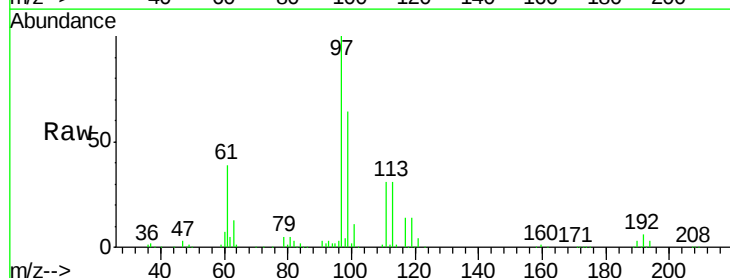
RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

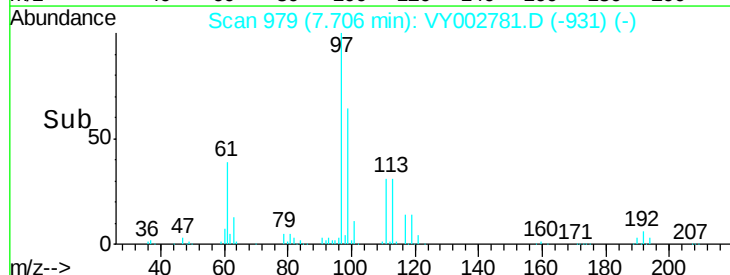
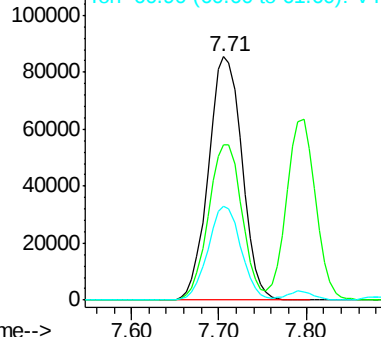
Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	97	Resp:	228072
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	37.8	30.1	45.1



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





#33

1,2-Dichloroethane-d4

Concen: 47.570 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 126447

Ion Ratio Lower Upper

65 100

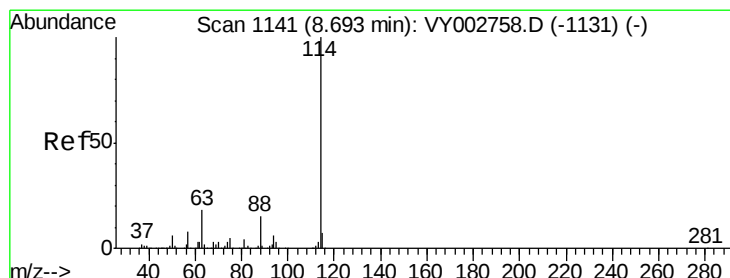
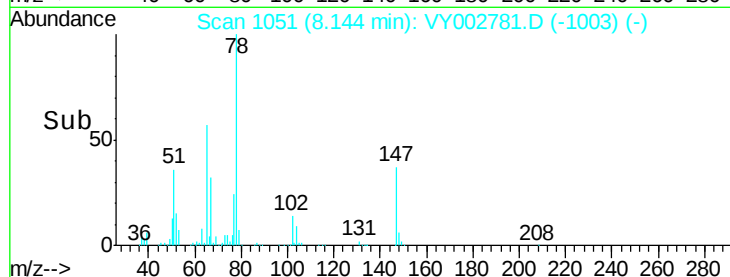
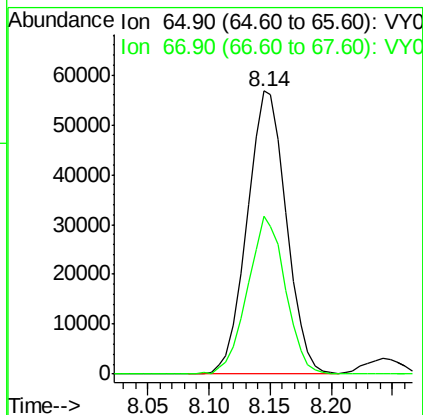
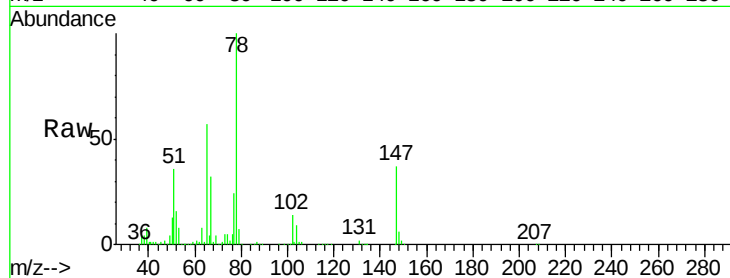
67 53.9 0.0 111.0

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

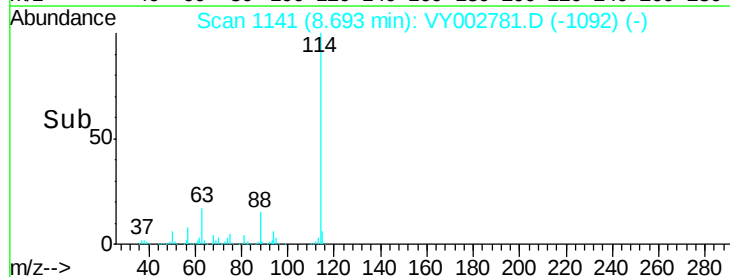
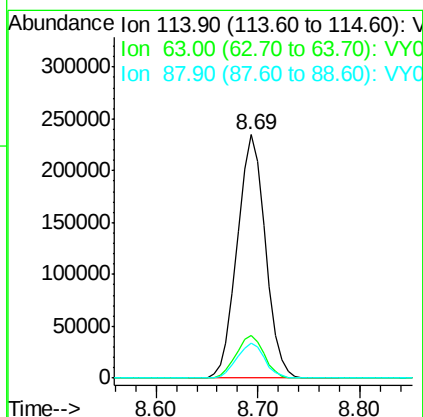
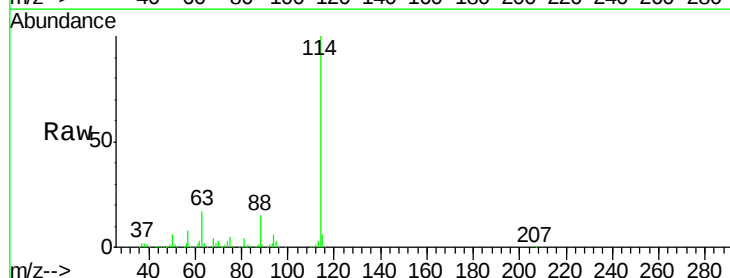
Tgt Ion: 114 Resp: 447223

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.2

88 14.5 0.0 29.2





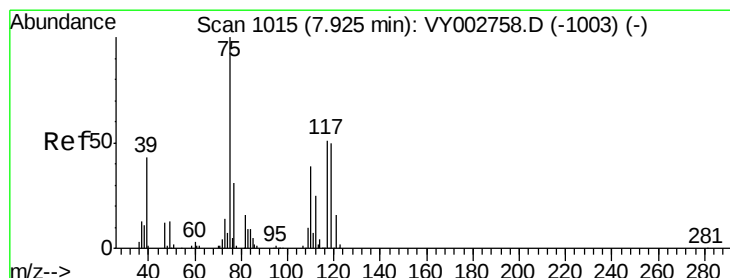
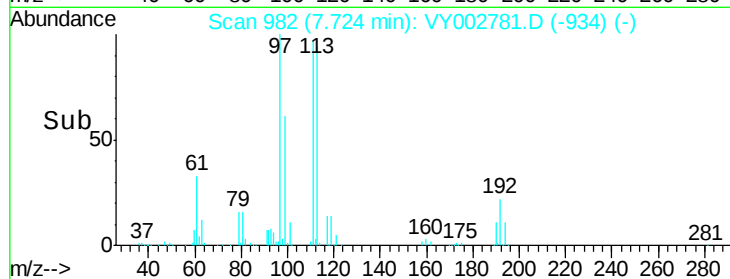
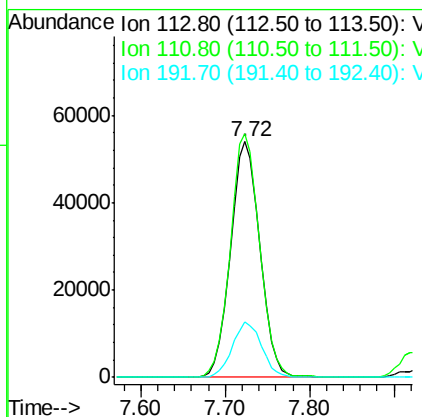
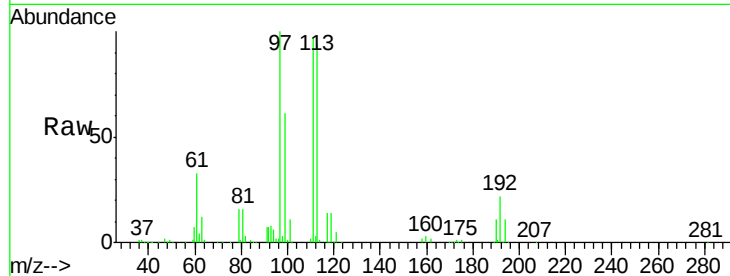
#35
 Dibromofluoromethane
 Concen: 48.500 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127117		
111	102.9	82.0	123.0	
192	23.5	18.9	28.3	

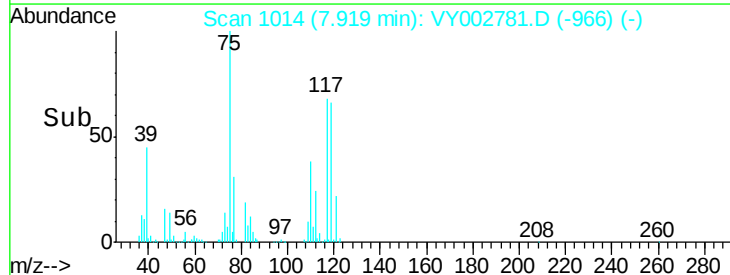
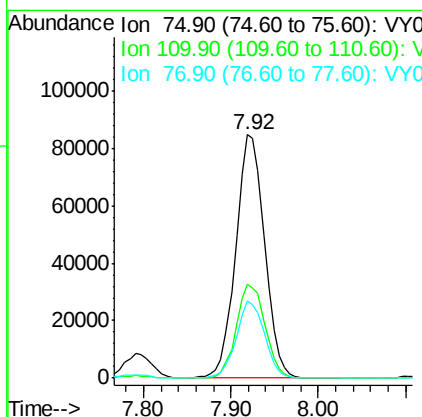
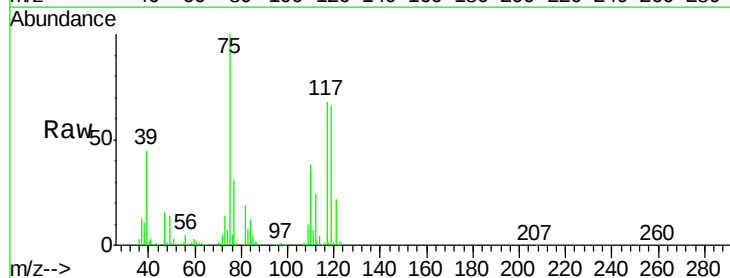
Manual Integrations
 APPROVED

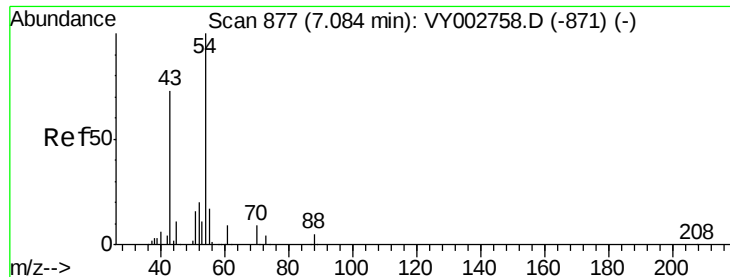
MMDadoda
 5/29/2020 10:57:03 AM



#36
 1,1-Dichloropropene
 Concen: 51.625 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194486		
110	38.7	19.3	57.9	
77	31.3	24.8	37.2	





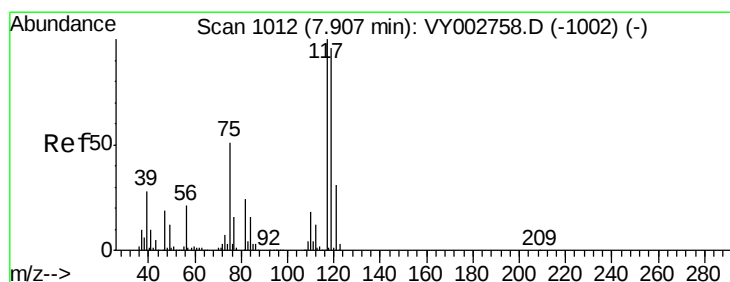
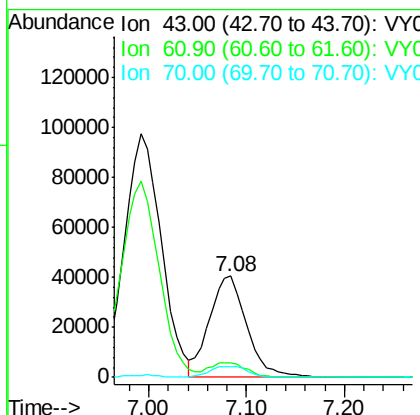
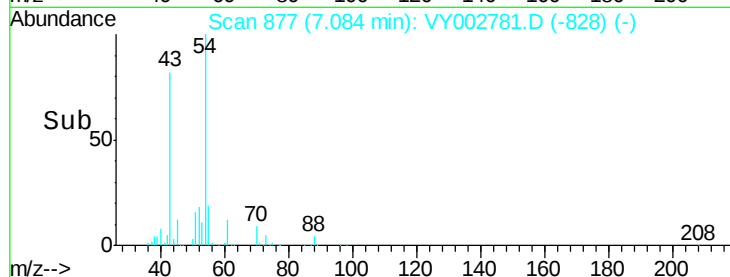
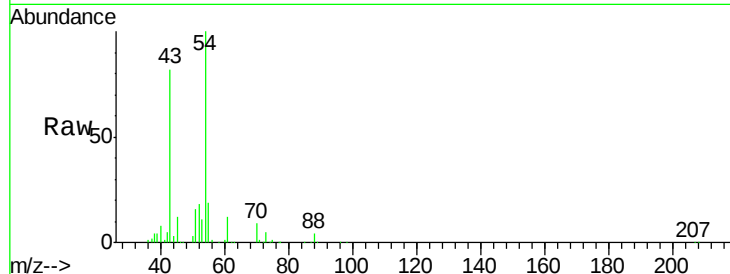
#37
Ethyl Acetate
Concen: 52.172 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.3	11.9	17.9	
70	11.5	9.1	13.7	

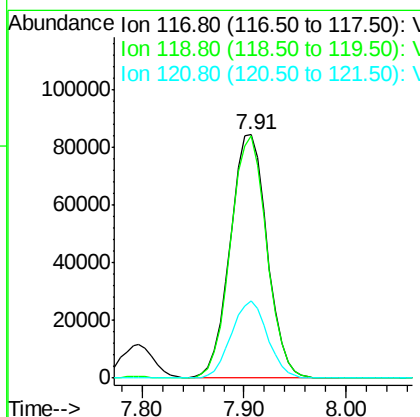
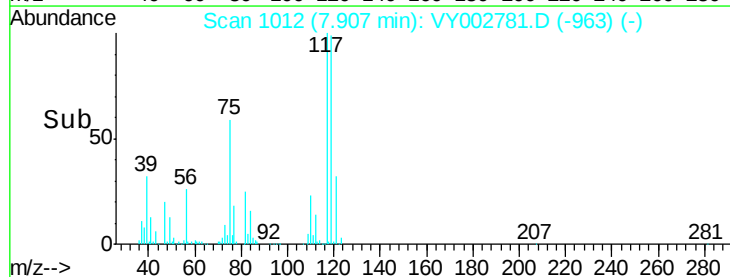
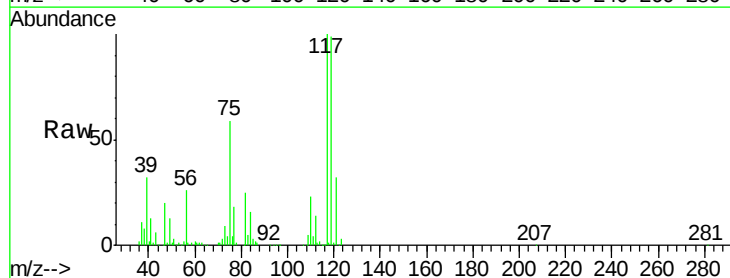
Manual Integrations
APPROVED

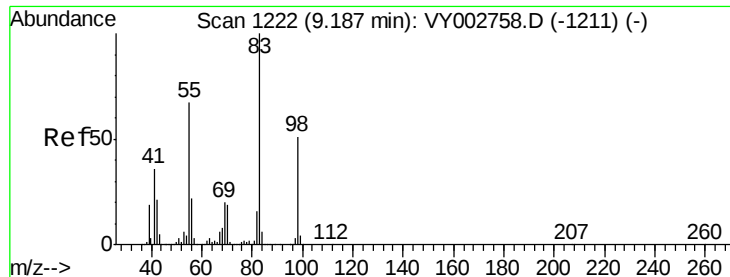
MMDadoda
5/29/2020 10:57:03 AM



#38
Carbon Tetrachloride
Concen: 50.635 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.3	76.8	115.2	
121	31.9	24.8	37.2	





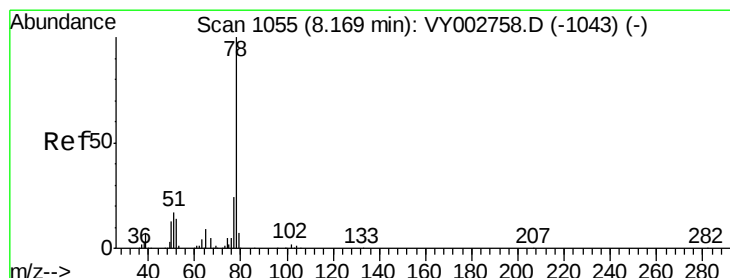
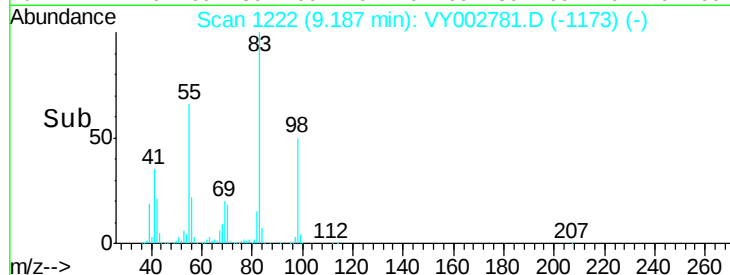
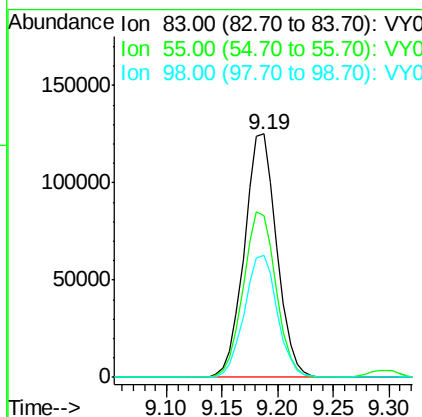
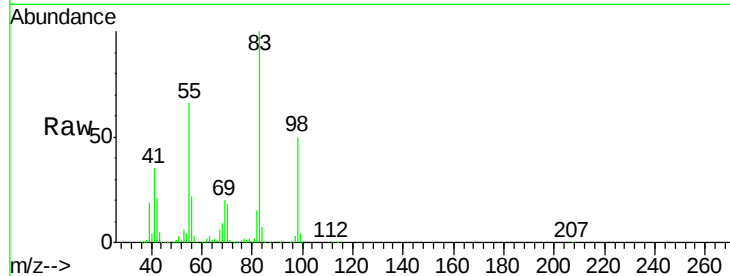
#39
Methvlcvclohexane
Concen: 50.929 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	53.3	79.9
98	50.2	41.1	61.7

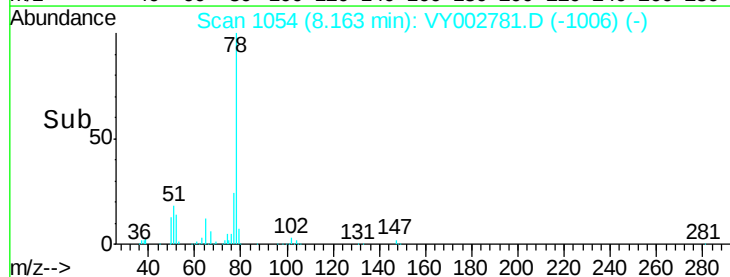
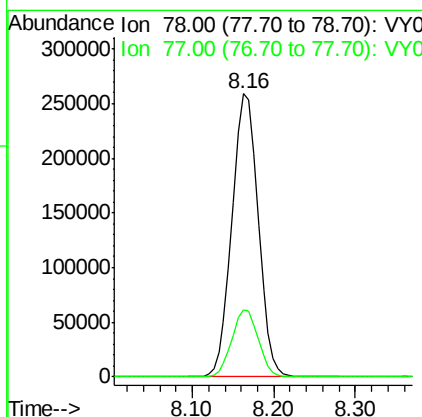
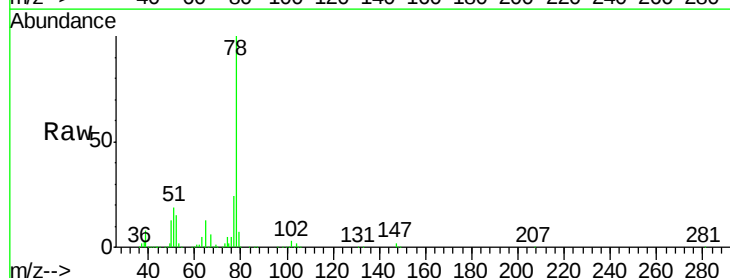
Manual Integrations
APPROVED

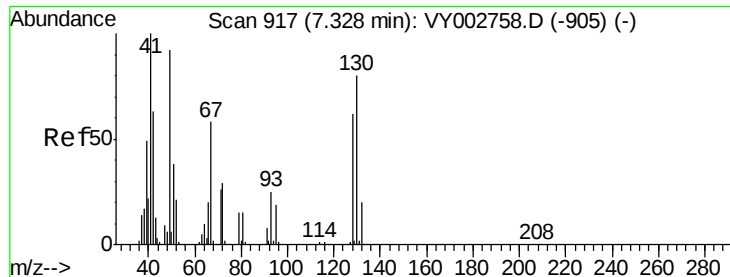
MMDadoda
5/29/2020 10:57:03 AM



#40
Benzene
Concen: 51.584 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





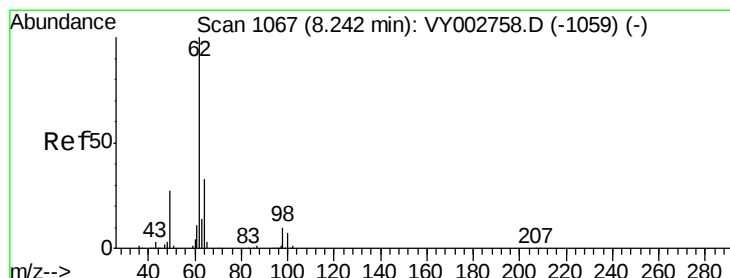
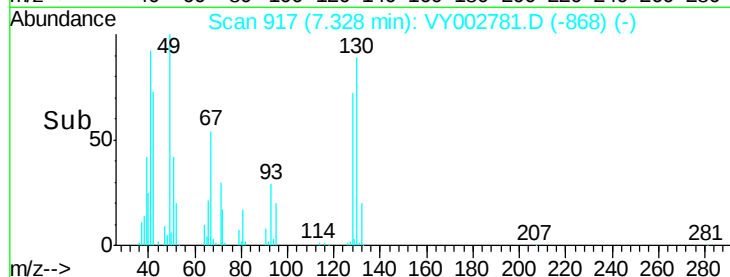
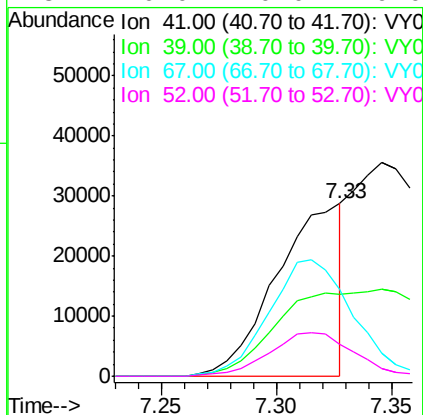
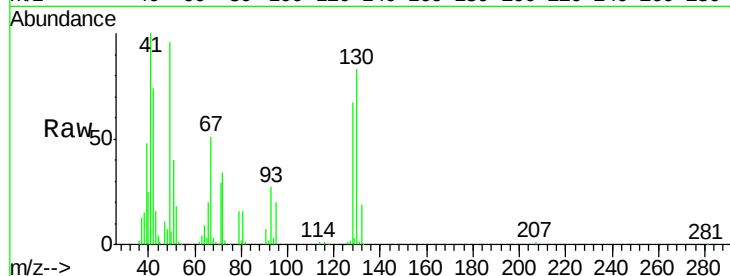
#41
Methacrylonitrile
Concen: 52.395 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	57695
Ion	Ratio	Lower	Upper
41	100		
39	114.2	97.6	146.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

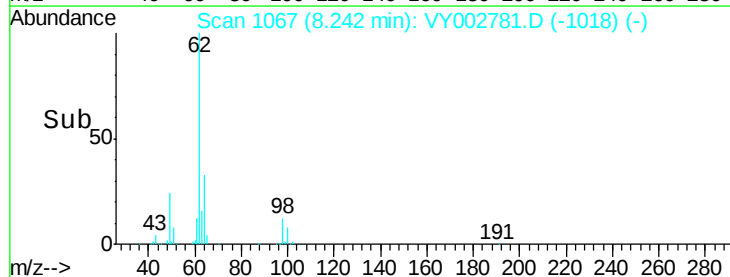
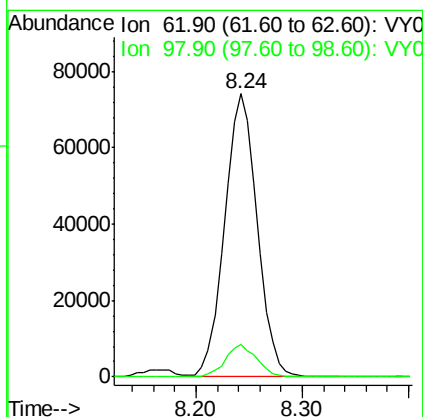
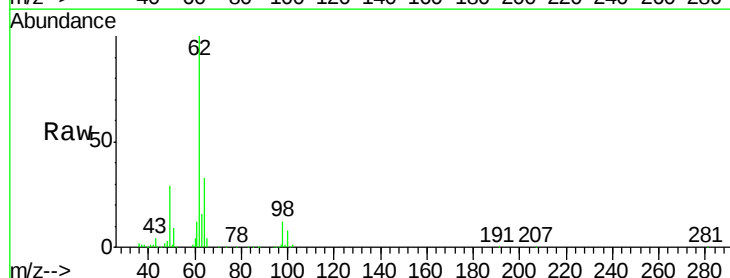
Manual Integrations
APPROVED

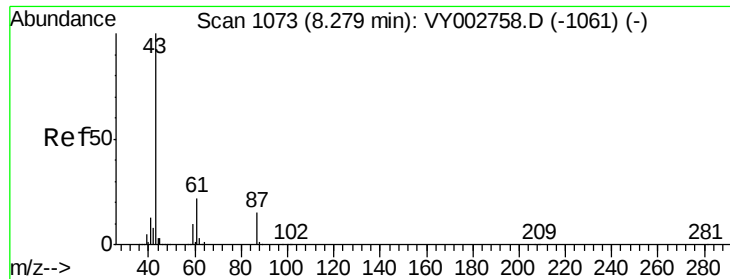
MMDadoda
5/29/2020 10:57:03 AM



#42
1,2-Dichloroethane
Concen: 50.794 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	62	Resp	158461
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.6





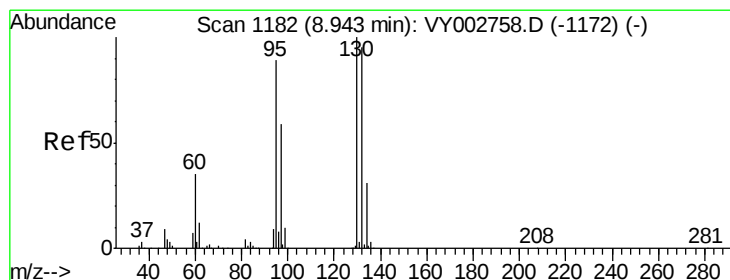
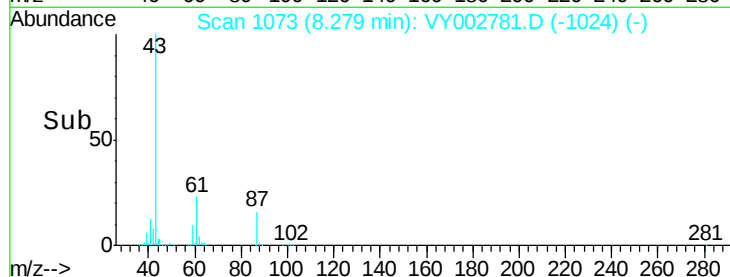
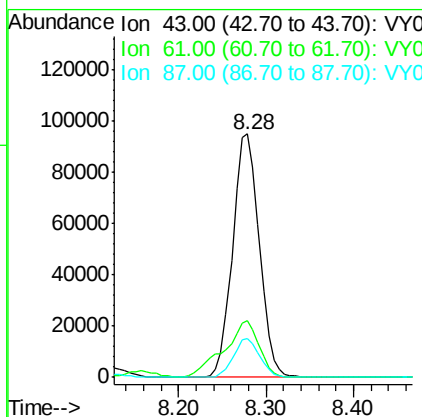
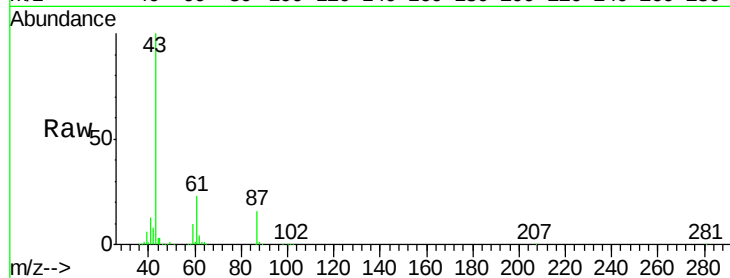
#43
Isopropyl Acetate
Concen: 51.927 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	15.7	12.4	18.6

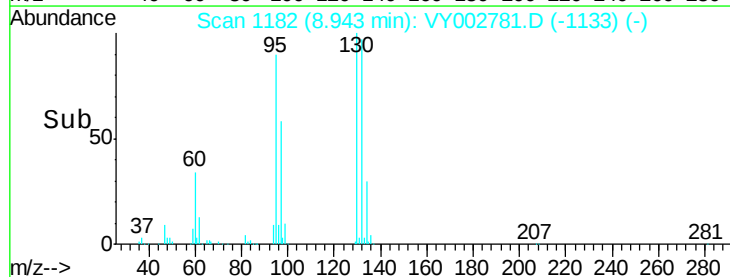
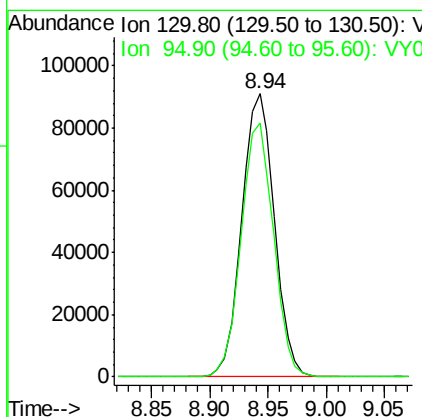
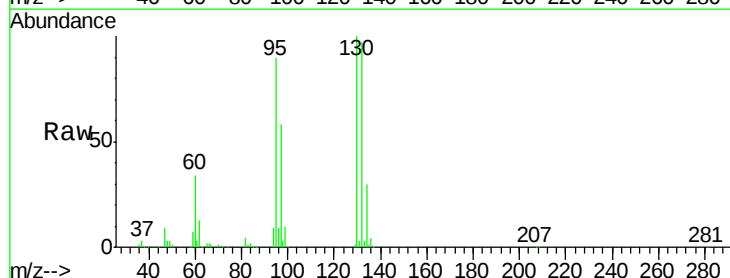
Manual Integrations
APPROVED

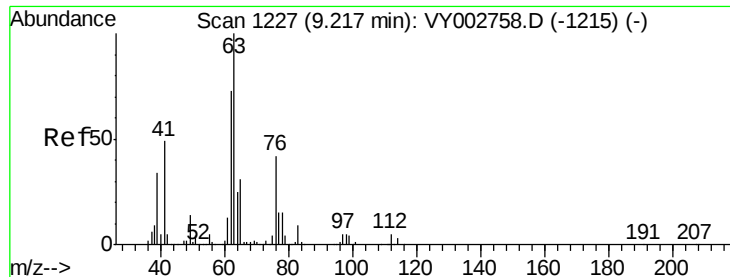
MMDadoda
5/29/2020 10:57:03 AM



#44
Trichloroethene
Concen: 50.697 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	178.8





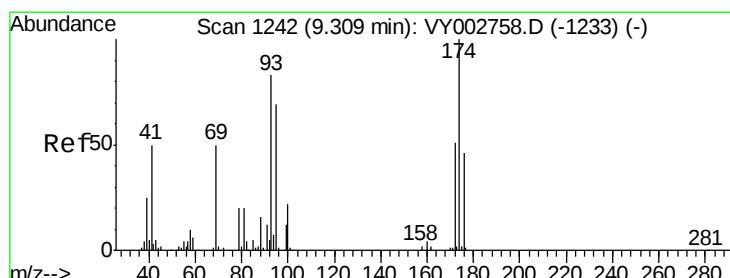
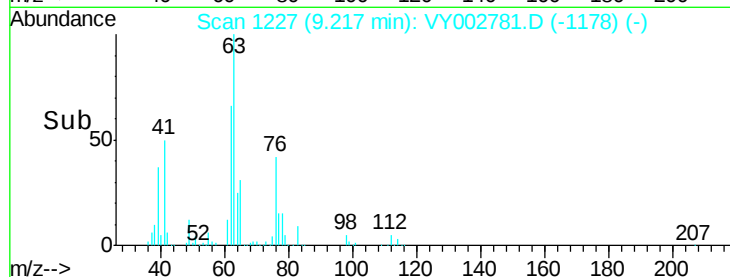
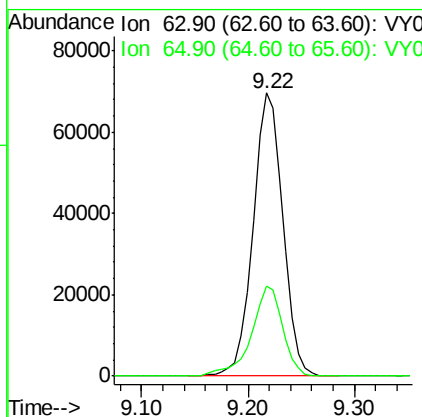
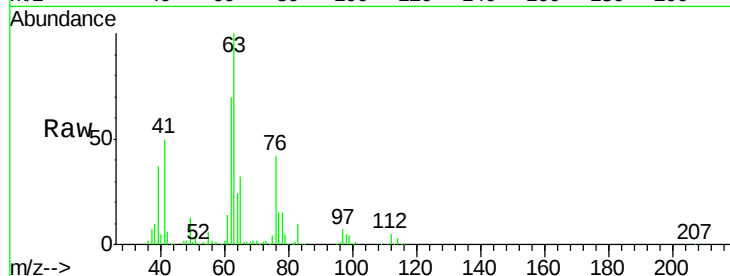
#45
 1,2-Dichloropropane
 Concen: 51.210 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.8	37.2

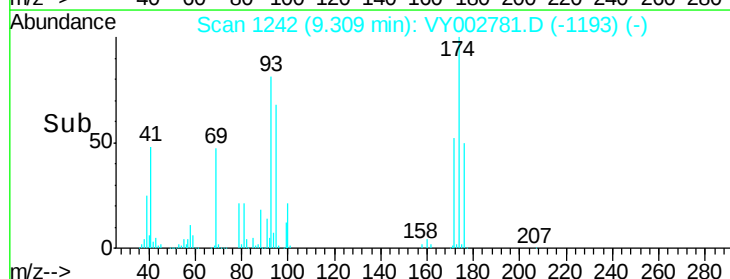
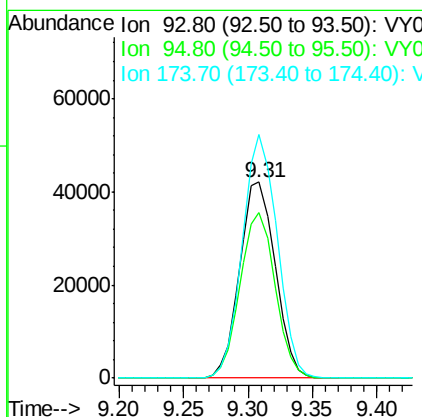
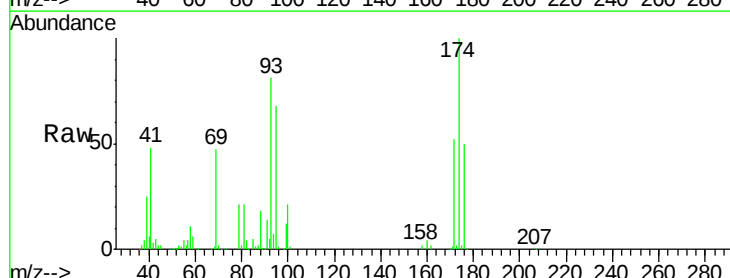
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:03 AM



#46
 Dibromomethane
 Concen: 51.093 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.9	100.3
174	120.8	97.7	146.5





#47

Bromodichloromethane

Concen: 52.358 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

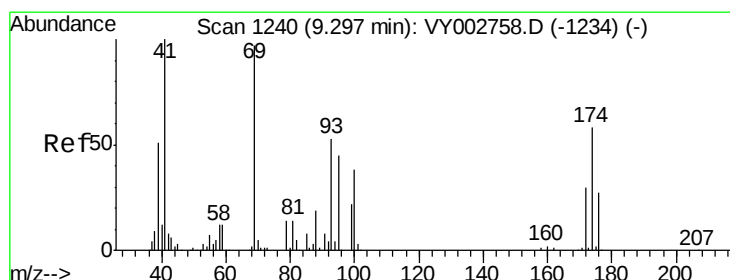
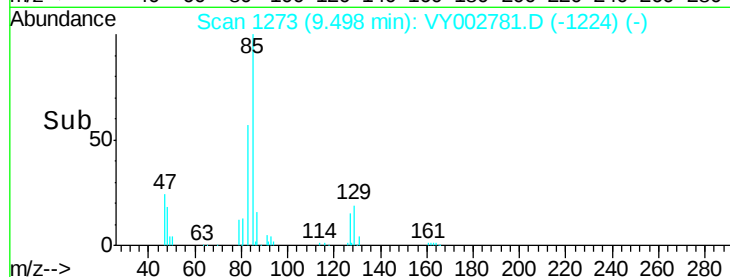
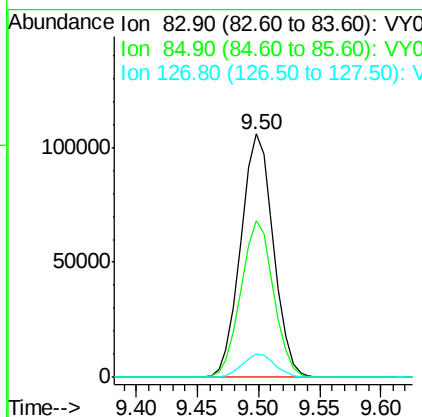
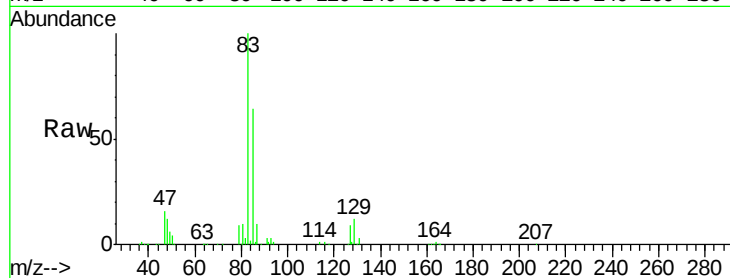
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195684
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.9	77.9
127	9.5	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#48

Methyl methacrylate

Concen: 52.609 ug/l

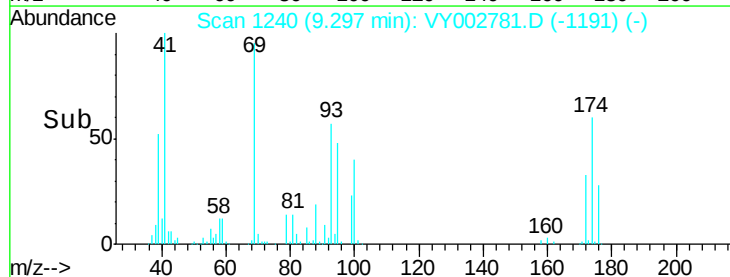
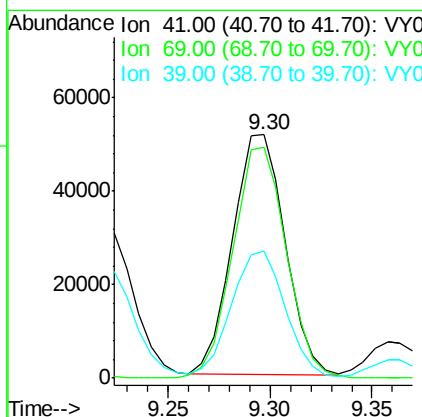
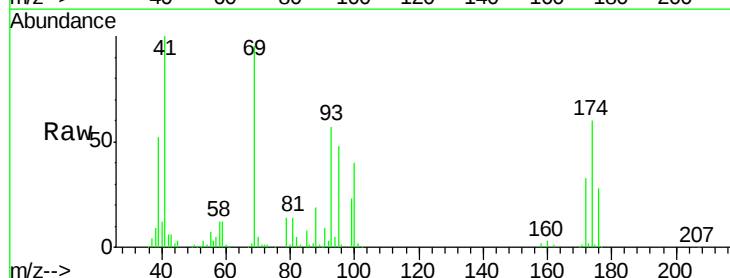
RT: 9.30 min Scan# 1240

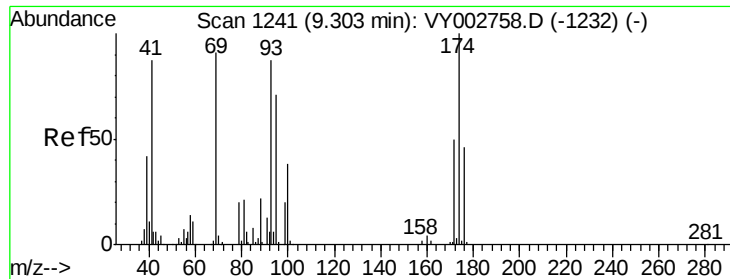
Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	41	Resp:	92246
Ion Ratio	Lower	Upper	
41	100		
69	97.7	79.7	119.5
39	54.4	43.3	64.9





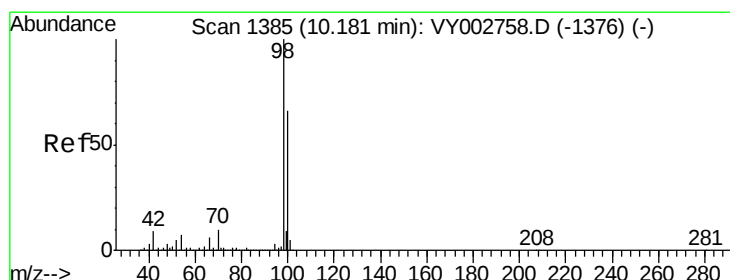
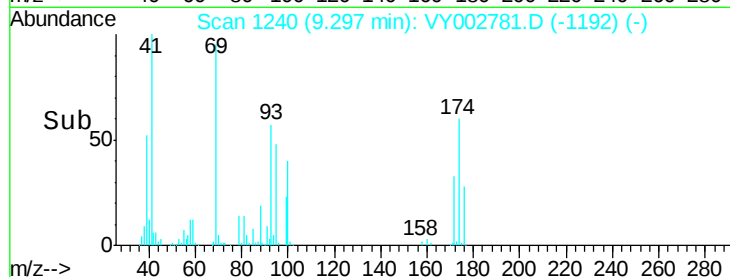
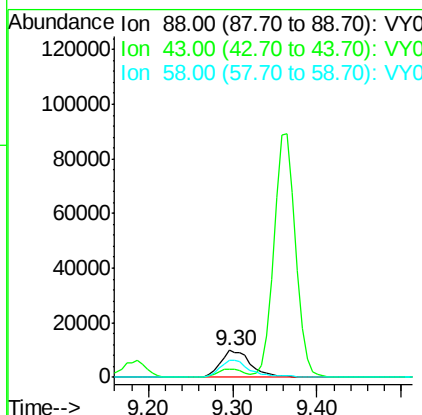
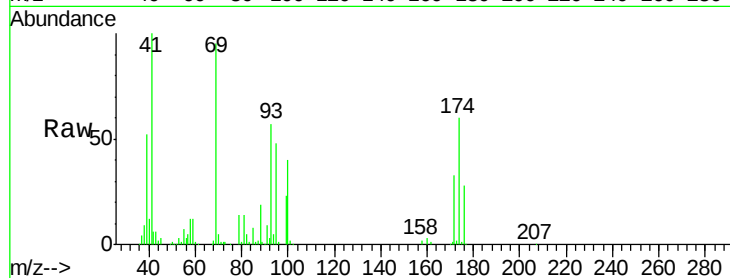
#49
1,4-Dioxane
Concen: 1021.247 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	21.3	31.9
58	64.3	52.2	78.2

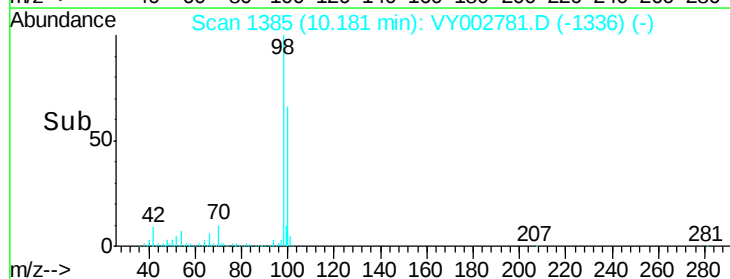
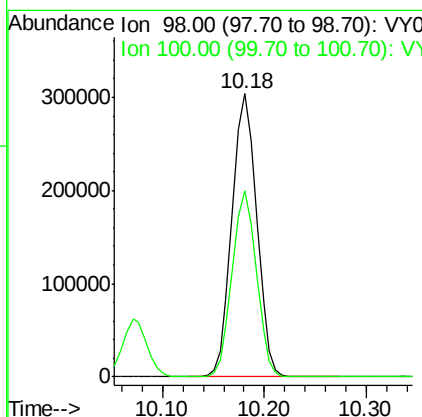
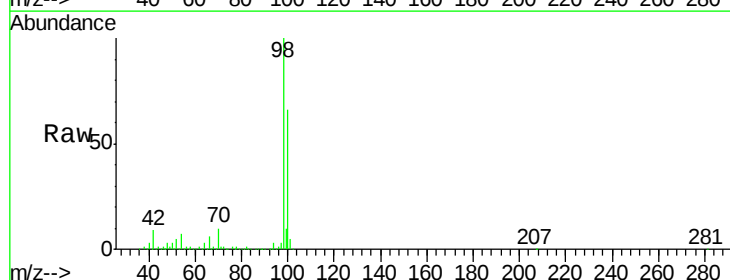
Manual Integrations
APPROVED

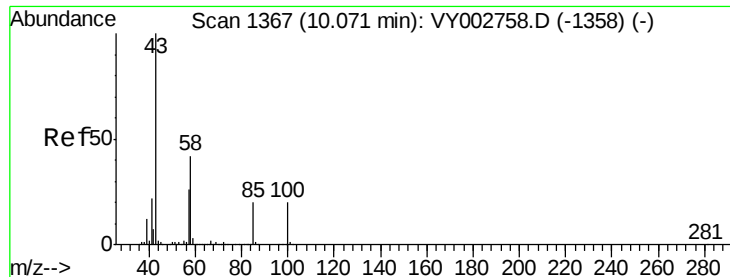
MMDadoda
5/29/2020 10:57:03 AM



#50
Toluene-d8
Concen: 48.095 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





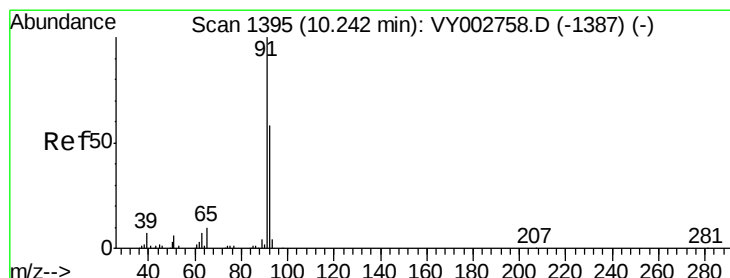
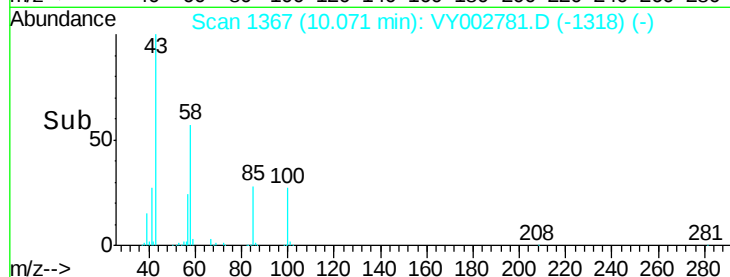
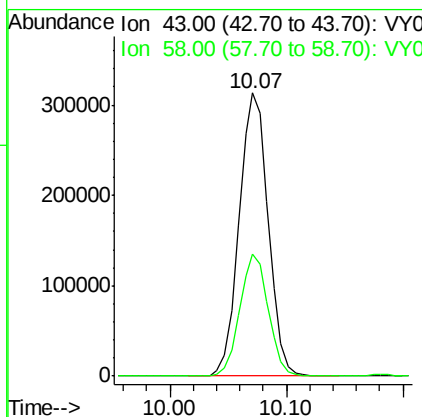
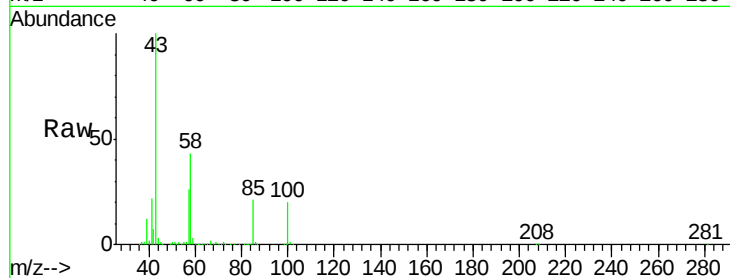
#51
4-Methyl-2-Pentanone
Concen: 264.096 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	543185
Ion Ratio	100	Lower	Upper
43	100		
58	42.3	34.2	51.2

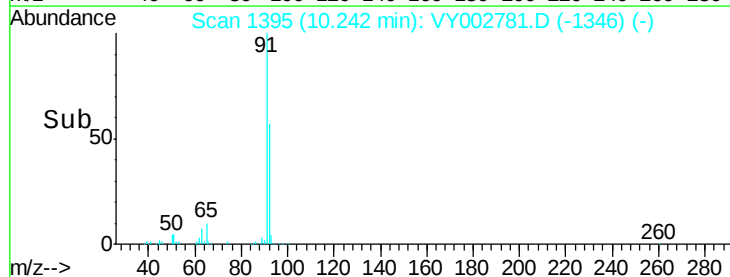
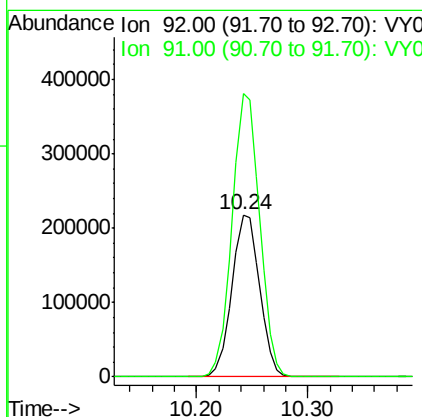
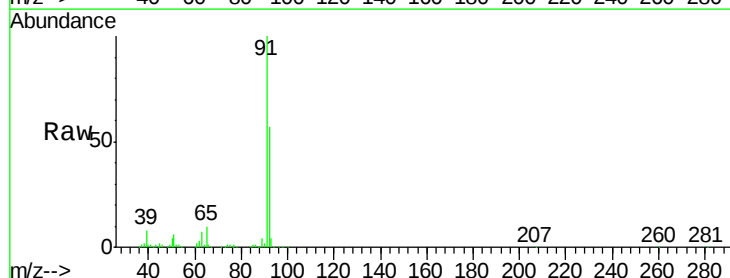
Manual Integrations
APPROVED

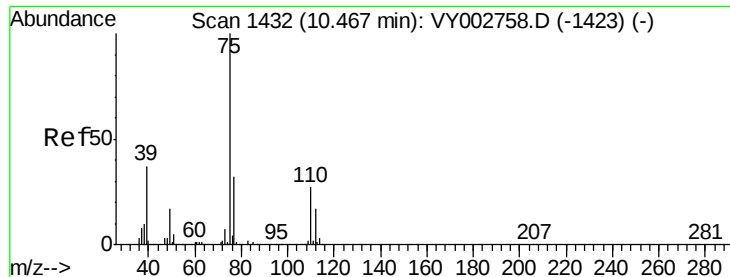
MMDadoda
5/29/2020 10:57:03 AM



#52
Toluene
Concen: 51.563 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	92	Resp	375485
Ion Ratio	100	Lower	Upper
92	100		
91	173.6	138.5	207.7





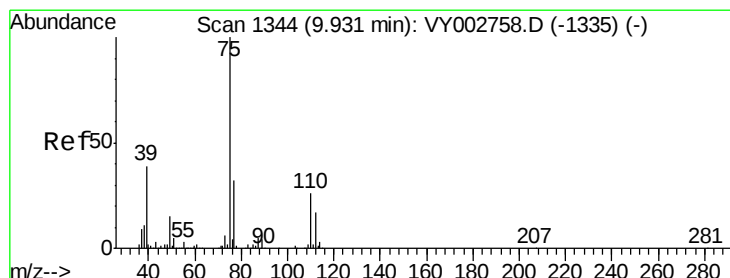
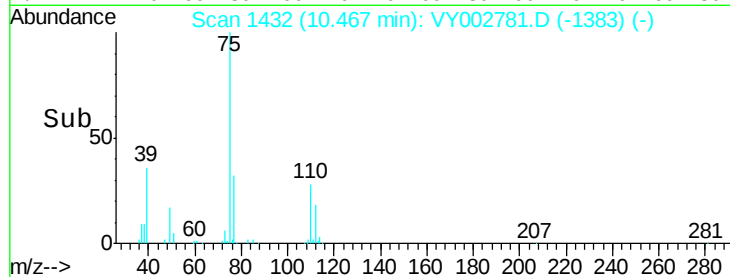
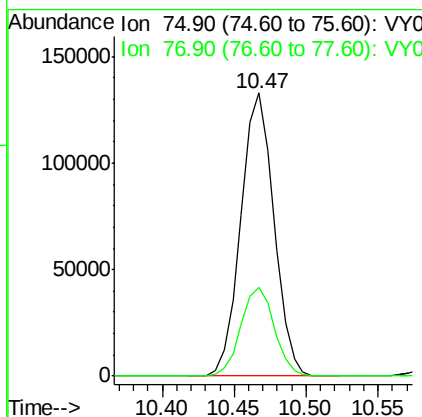
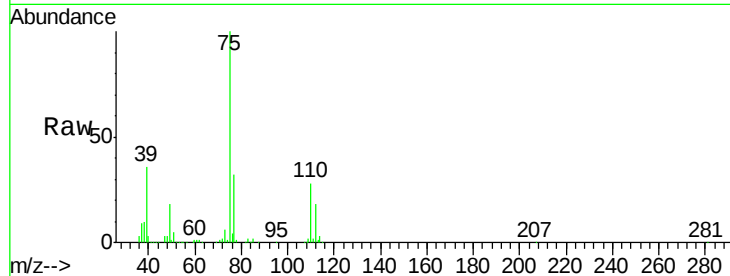
#53
t-1,3-Dichloropropene
Concen: 51.907 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

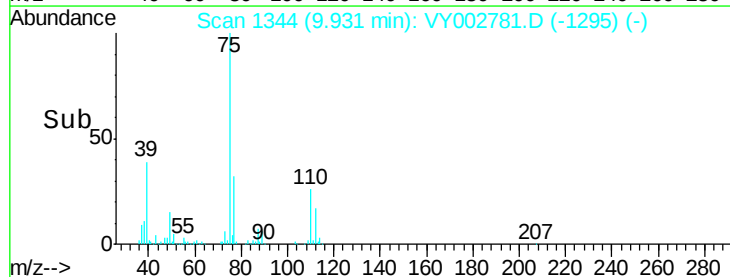
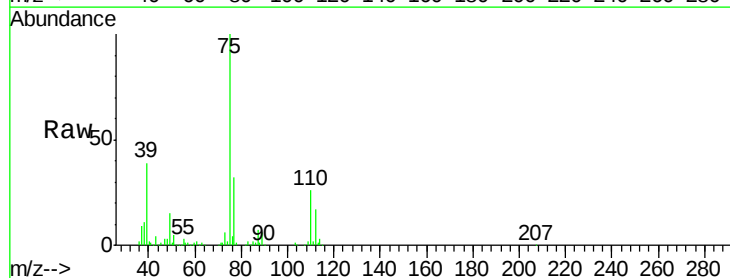
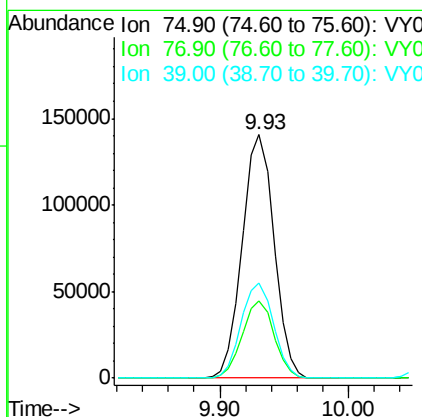
Manual Integrations
APPROVED

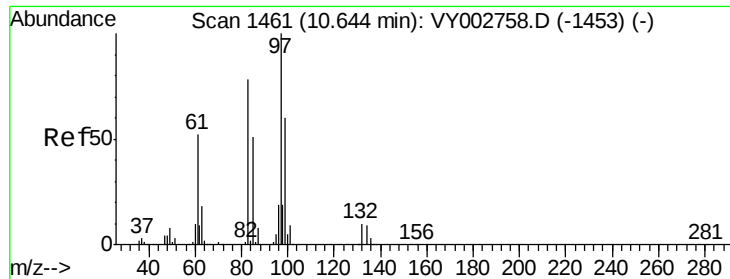
MMDadoda
5/29/2020 10:57:03 AM



#54
cis-1,3-Dichloropropene
Concen: 52.049 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	39.2	31.3	46.9





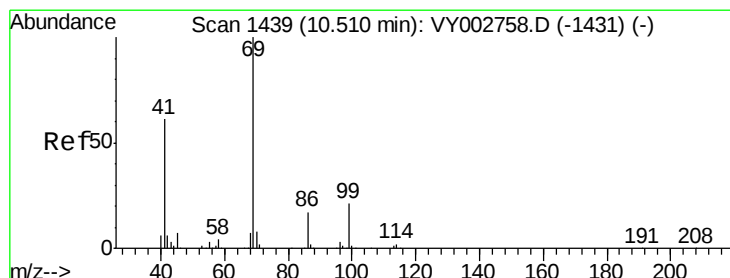
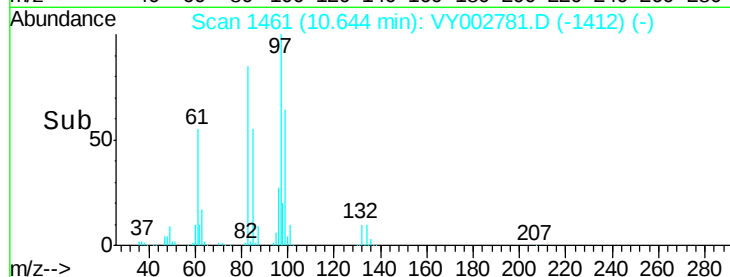
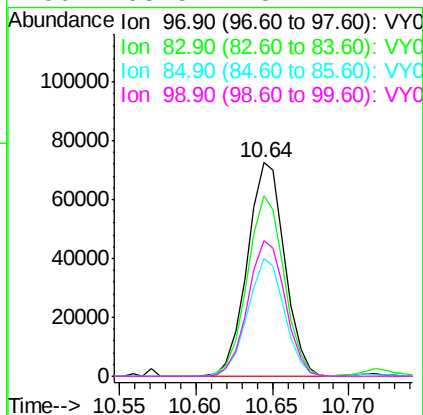
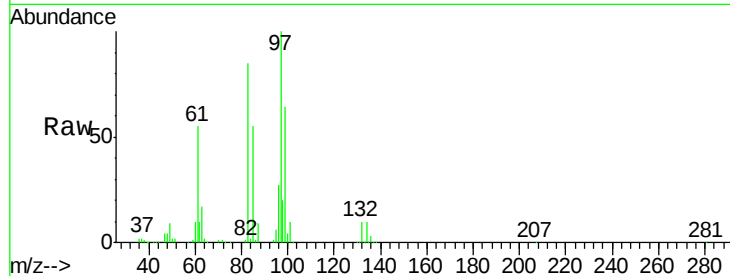
#55
 1,1,2-Trichloroethane
 Concen: 50.697 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123049		
83	84.8	62.7	94.1		
85	54.9	40.6	60.8		
99	63.5	48.2	72.4		

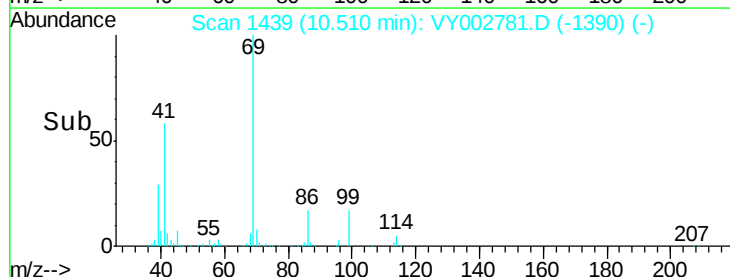
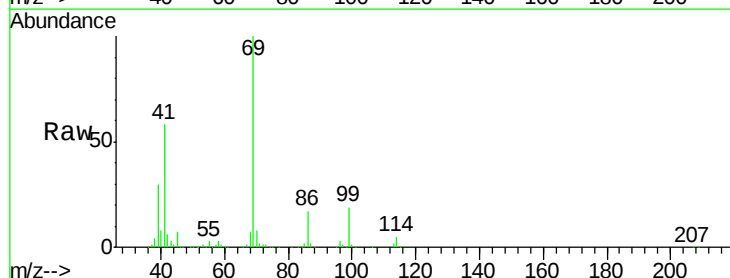
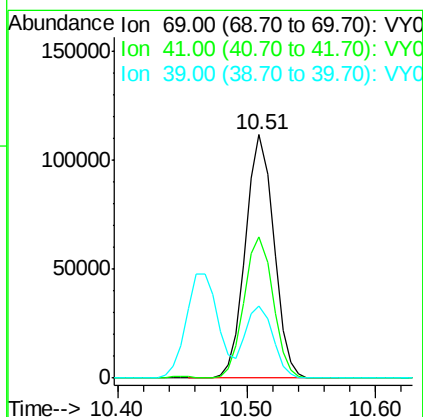
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:03 AM



#56
 Ethyl methacrylate
 Concen: 52.464 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170557		
41	59.0	47.0	70.4		
39	28.2	22.0	33.0		





#57

1,3-Dichloropropane

Concen: 51.619 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 206069

Ion Ratio Lower Upper

76 100

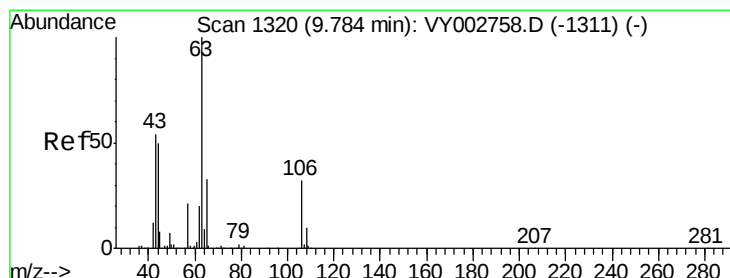
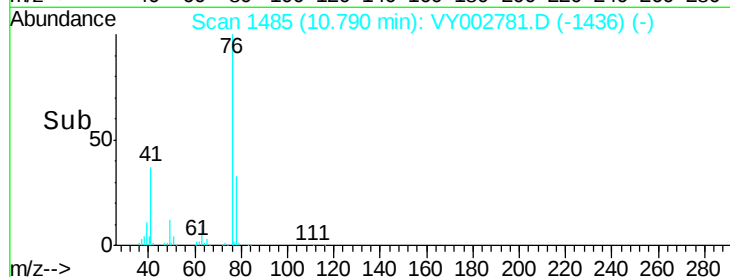
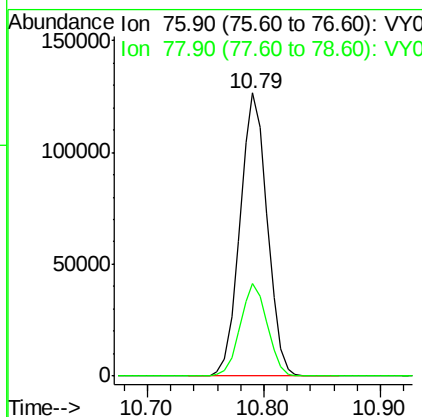
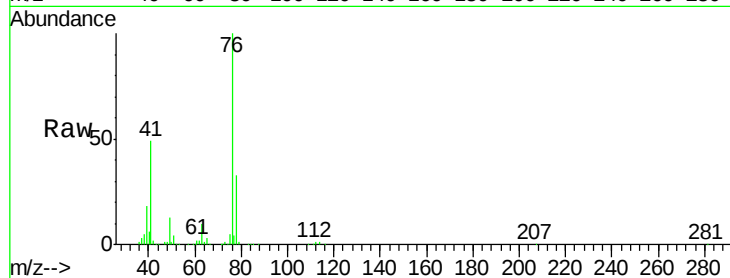
78 32.5 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 255.947 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002781.D

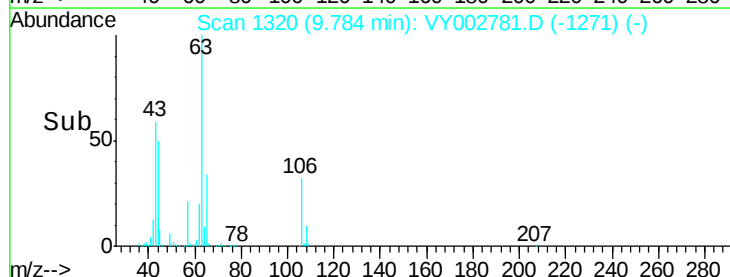
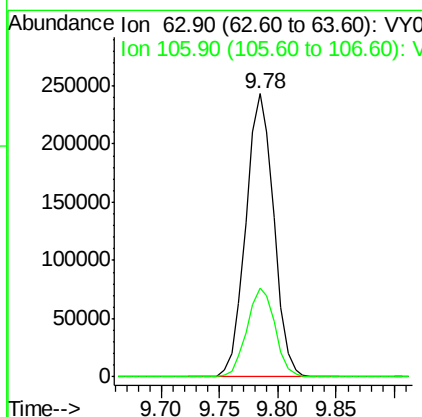
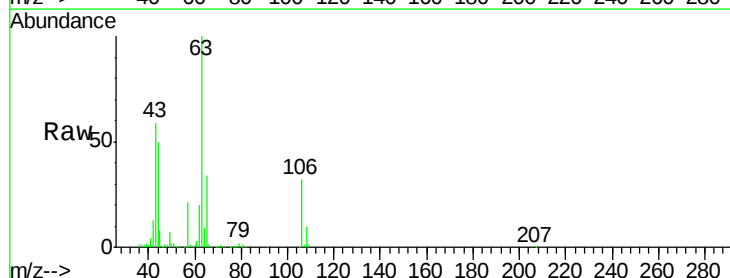
Acq: 28 May 2020 10:10

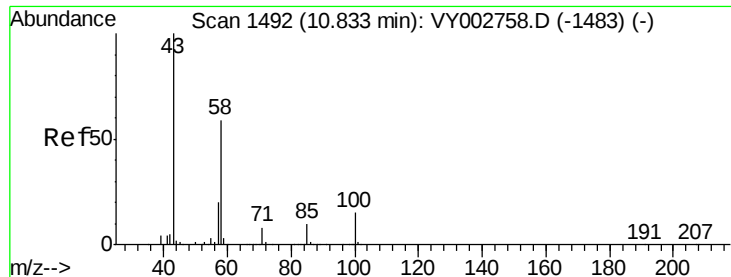
Tgt Ion: 63 Resp: 406571

Ion Ratio Lower Upper

63 100

106 31.5 25.4 38.2





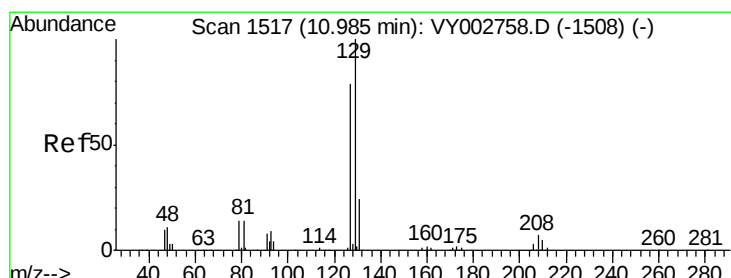
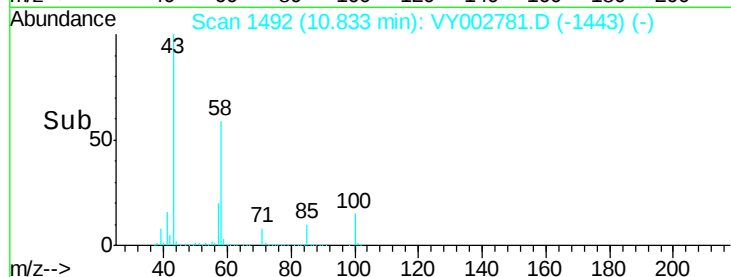
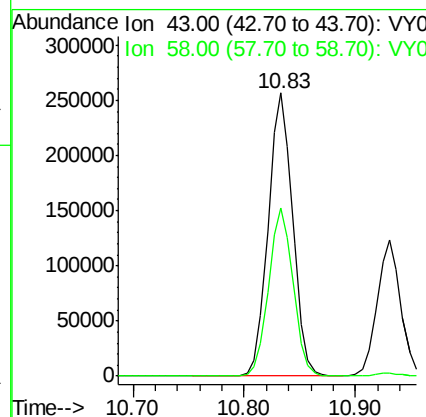
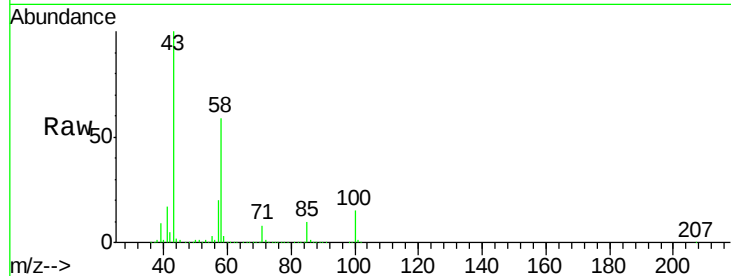
#59
2-Hexanone
Concen: 270.803 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.5	88.5

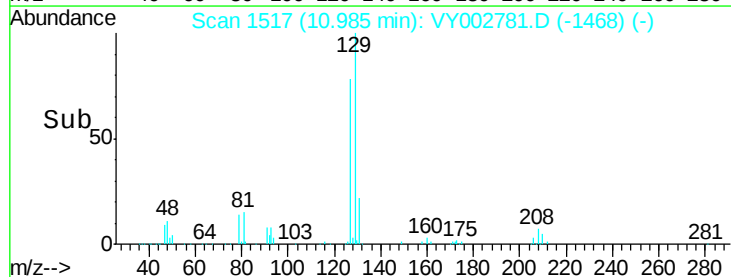
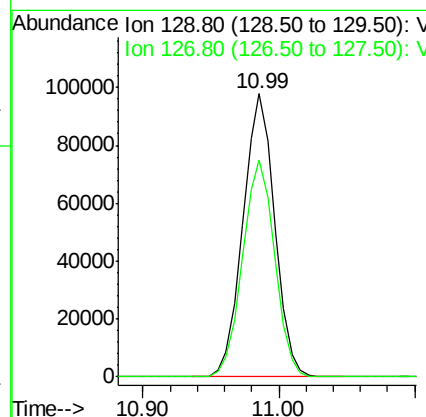
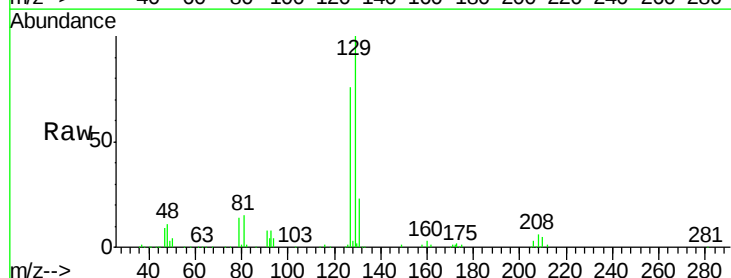
Manual Integrations
APPROVED

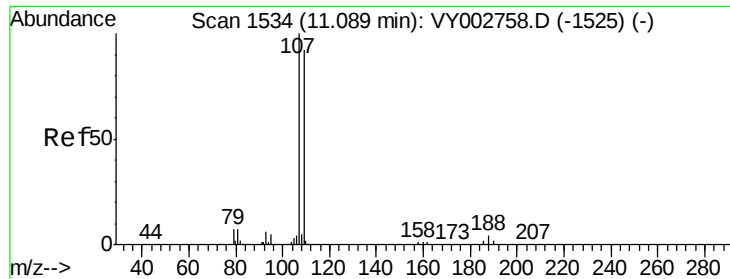
MMDadoda
5/29/2020 10:57:03 AM



#60
Dibromochloromethane
Concen: 51.690 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3





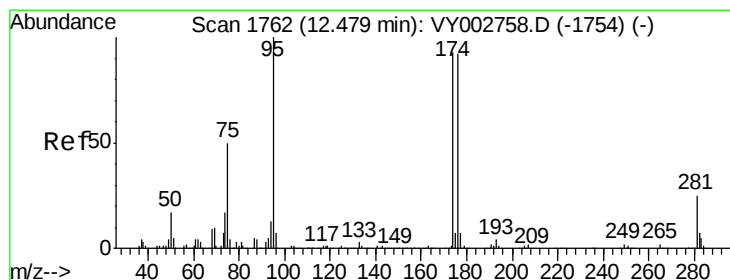
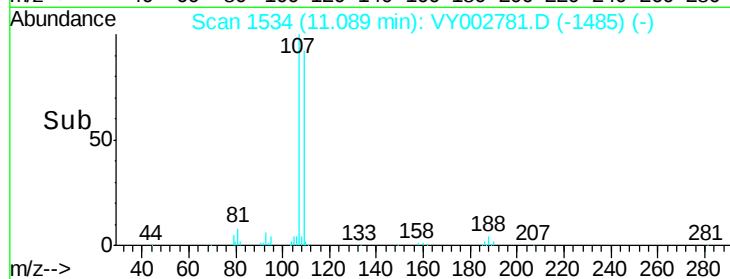
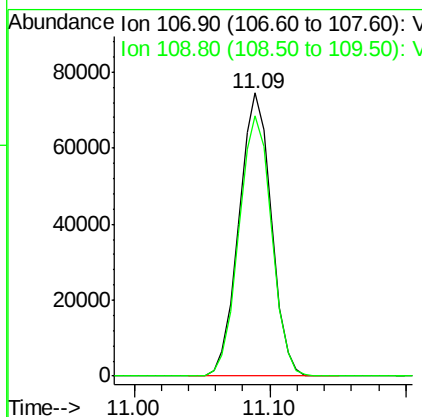
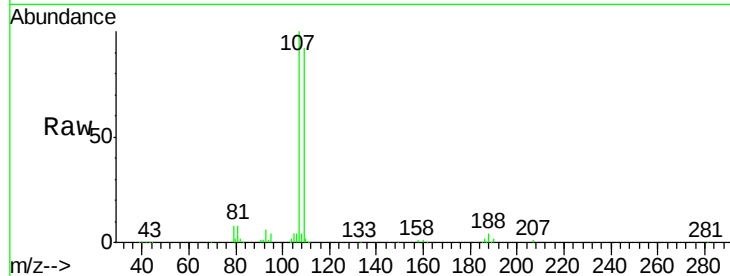
#61
 1,2-Dibromoethane
 Concen: 51.605 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123555		
109	93.1	75.6	113.4	

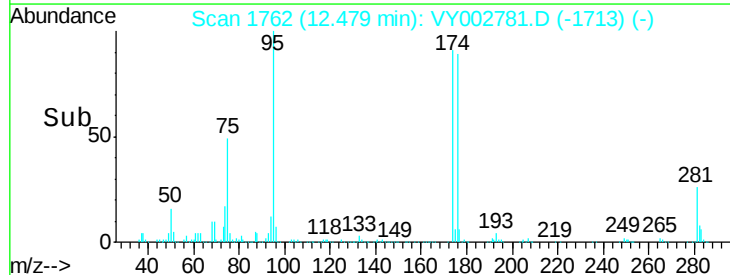
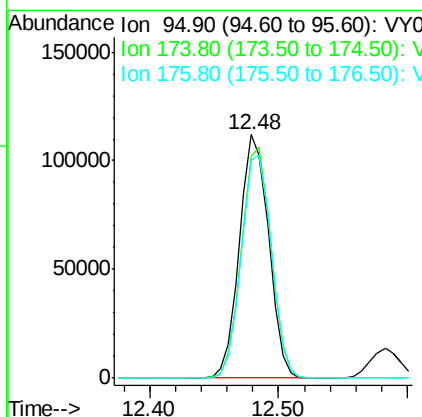
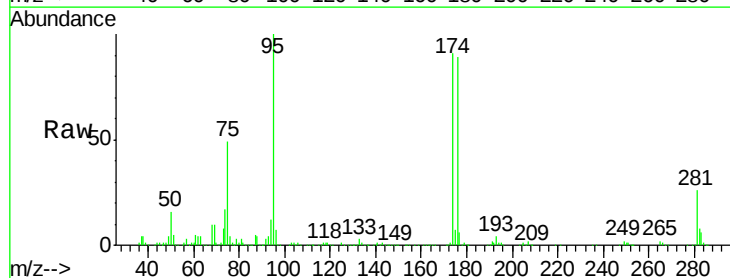
Manual Integrations
 APPROVED

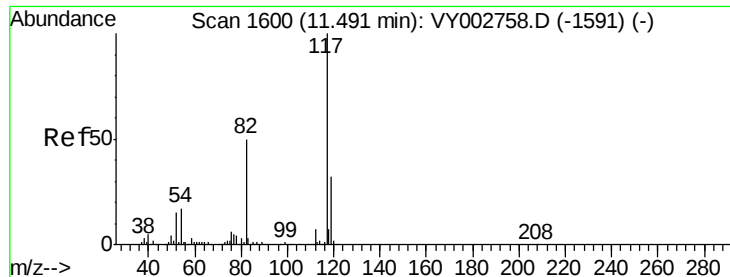
MMDadoda
 5/29/2020 10:57:03 AM



#62
 4-Bromofluorobenzene
 Concen: 48.456 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	175487		
174	95.8	0.0	191.2	
176	94.2	0.0	188.8	





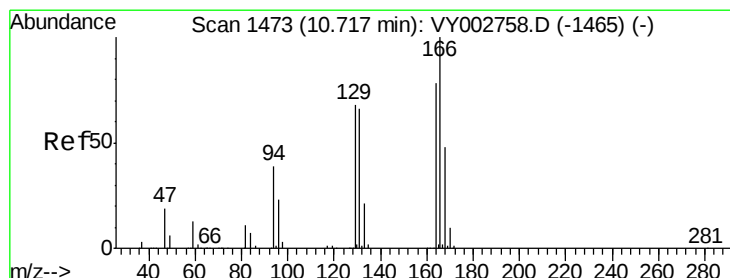
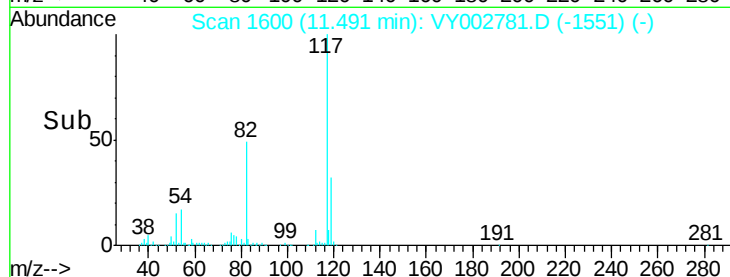
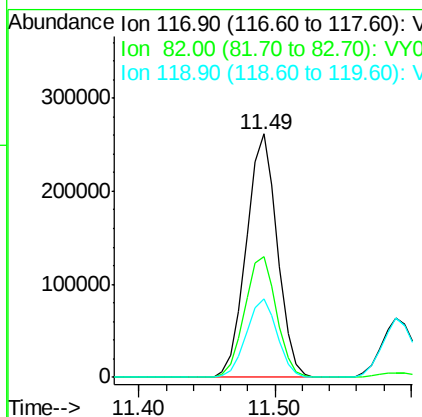
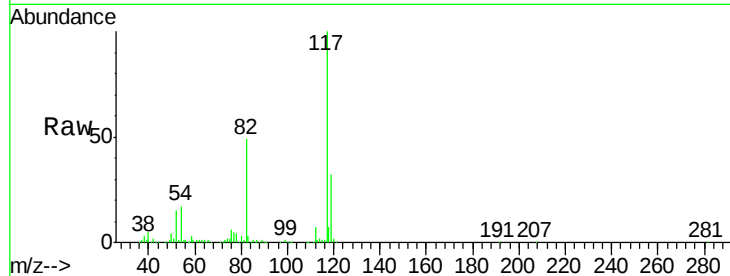
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	40.2	60.4
119	32.2	25.8	38.8

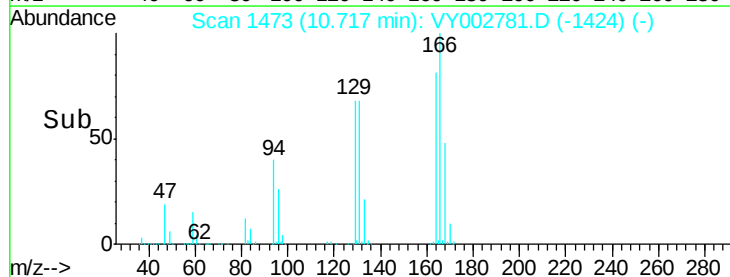
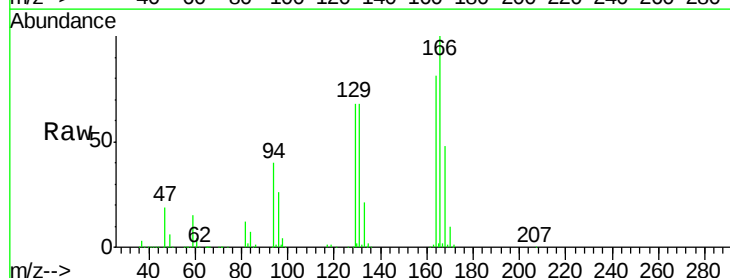
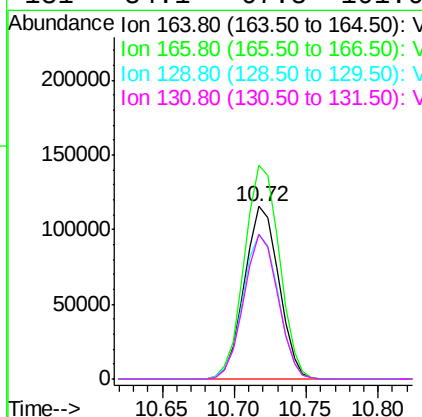
Manual Integrations
APPROVED

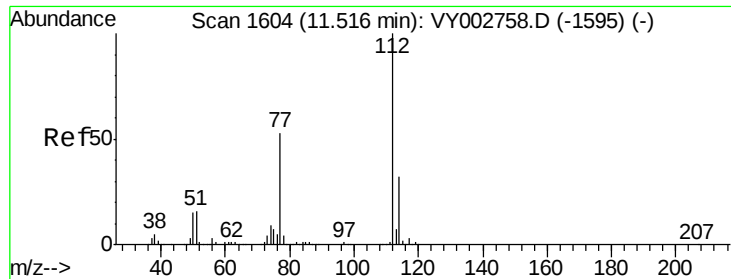
MMDadoda
5/29/2020 10:57:03 AM



#64
Tetrachloroethene
Concen: 50.486 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	102.3	153.5
129	84.1	69.4	104.2
131	84.1	67.8	101.6





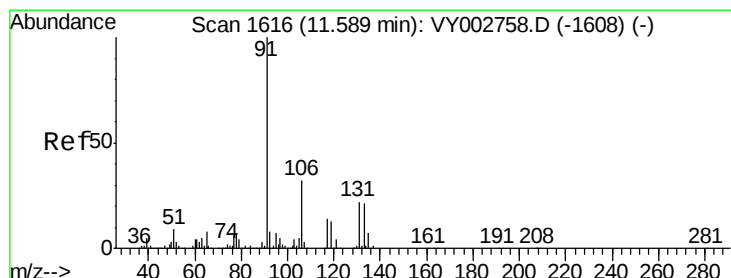
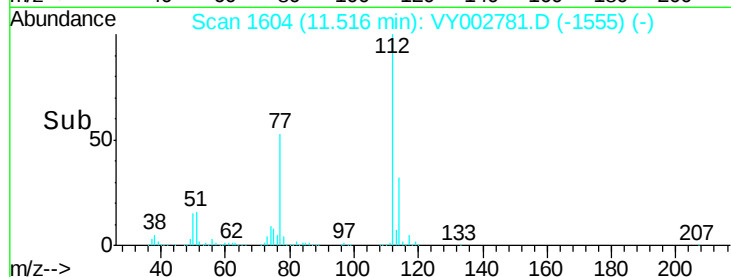
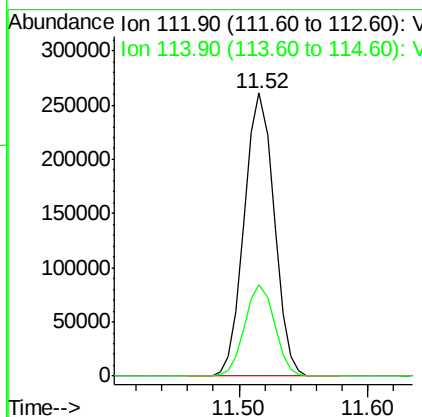
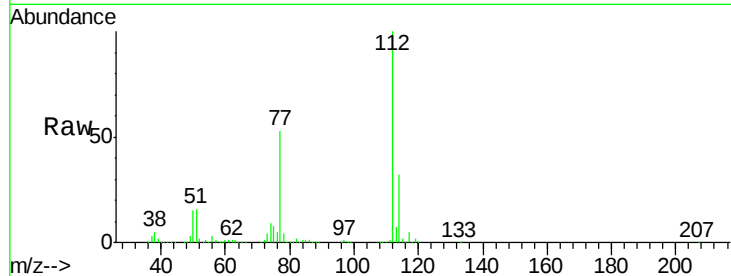
#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

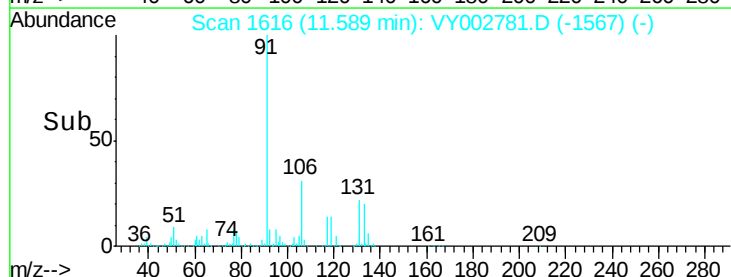
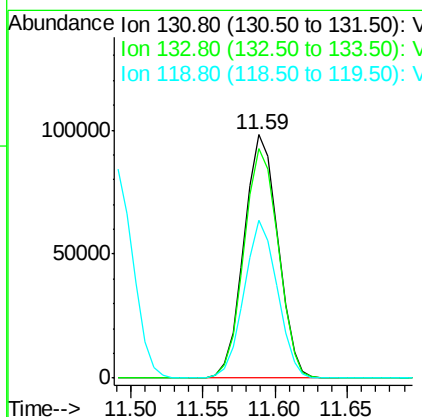
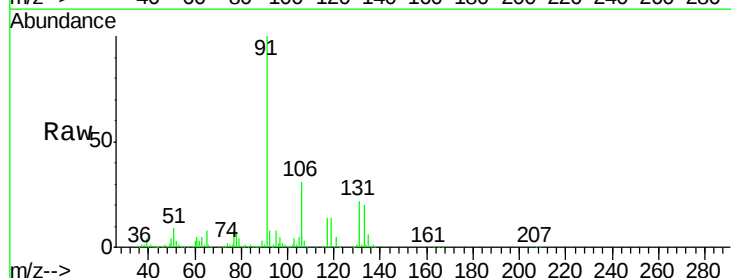
Manual Integrations
APPROVED

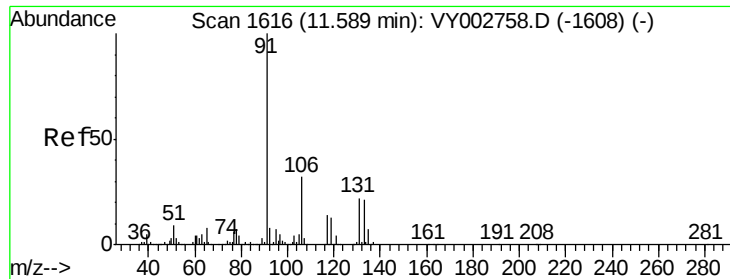
MMDadoda
5/29/2020 10:57:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.617 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.8
119	63.4	31.7	95.1





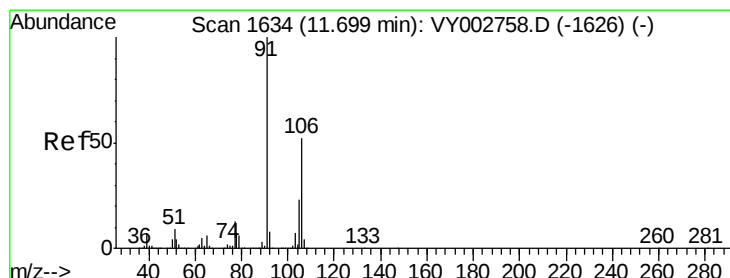
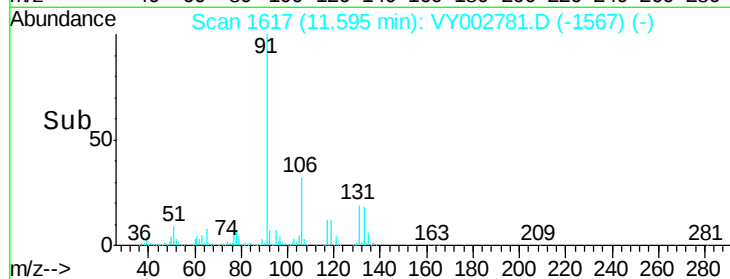
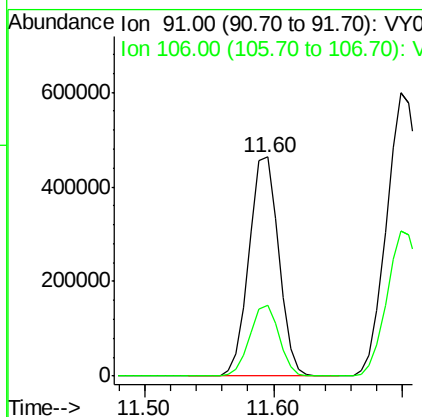
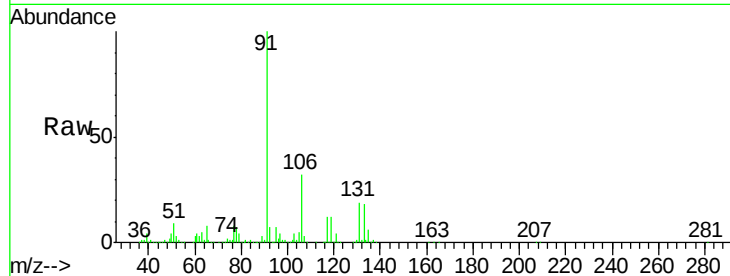
#67
Ethyl Benzene
Concen: 51.322 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 732425
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5

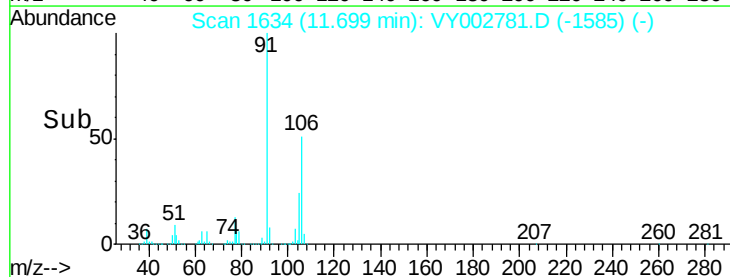
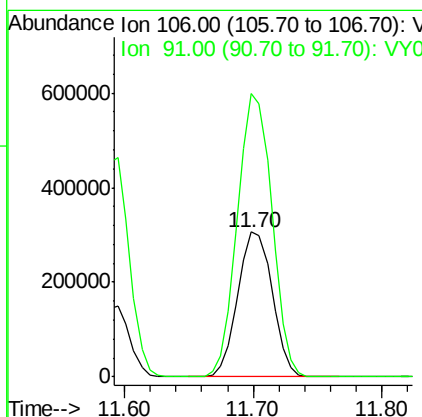
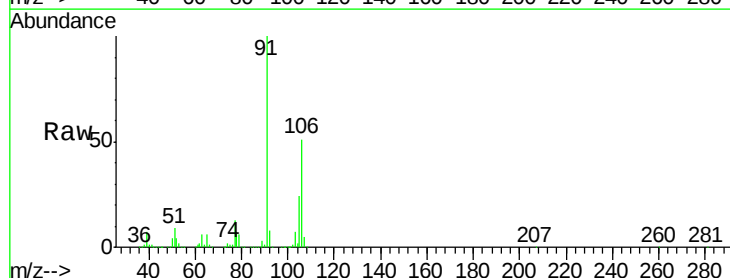
Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#68
m/p-Xylenes
Concen: 103.048 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion: 106 Resp: 570183
Ion Ratio Lower Upper
106 100
91 195.1 156.0 234.0





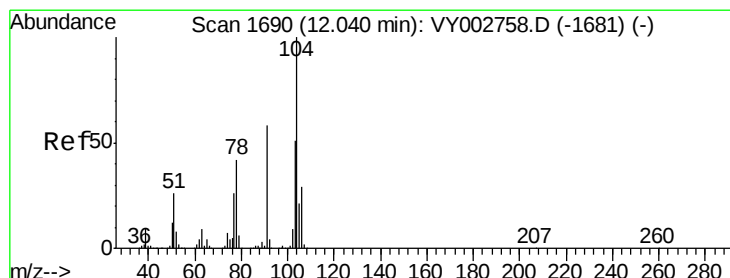
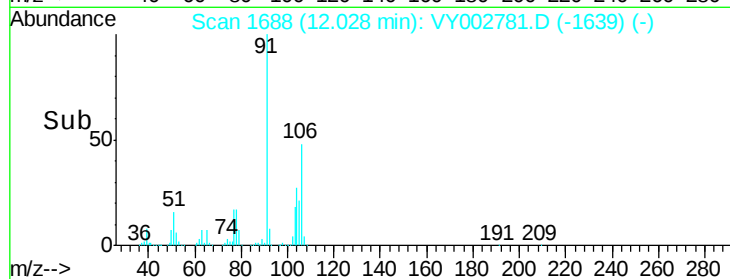
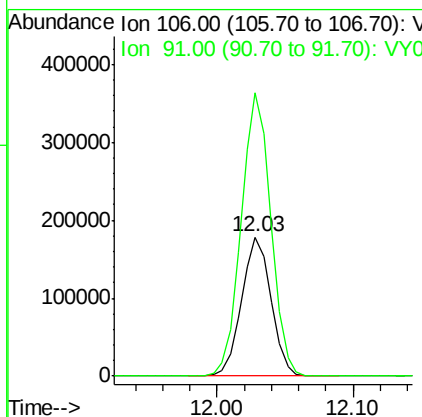
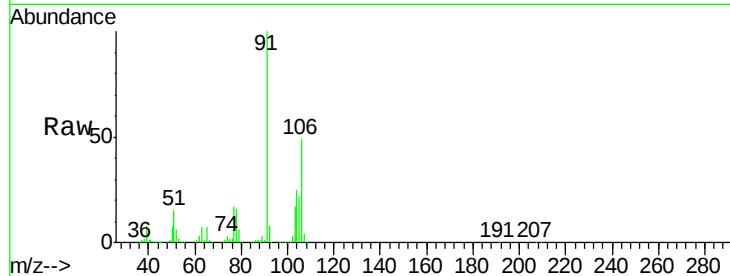
#69
o-Xylene
Concen: 51.587 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	204.4	102.4	307.1

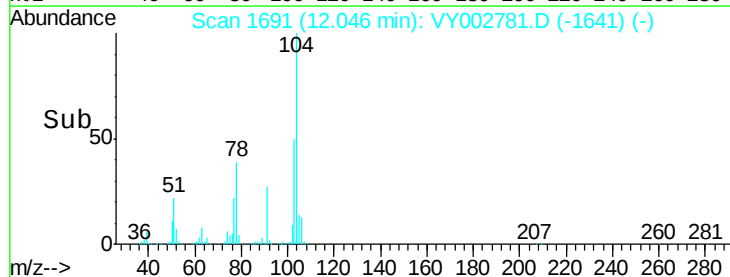
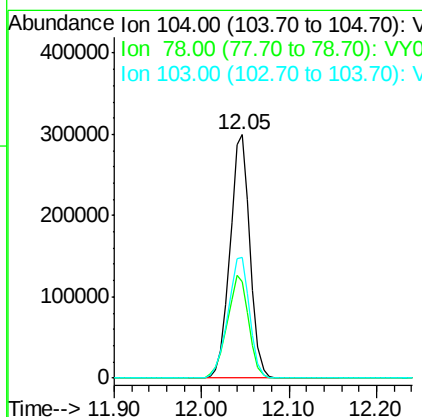
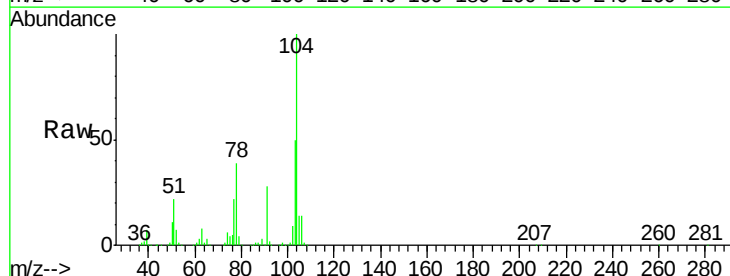
Manual Integrations
APPROVED

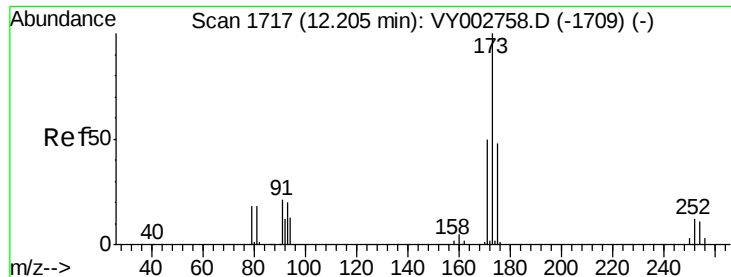
MMDadoda
5/29/2020 10:57:03 AM



#70
Styrene
Concen: 52.253 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.5	36.2	54.4
103	103	54.3	43.6	65.4





#71

Bromoform

Concen: 52.316 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

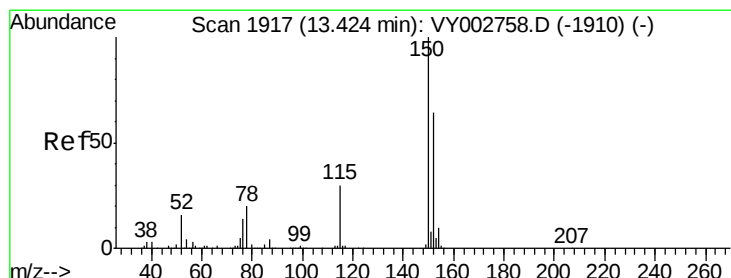
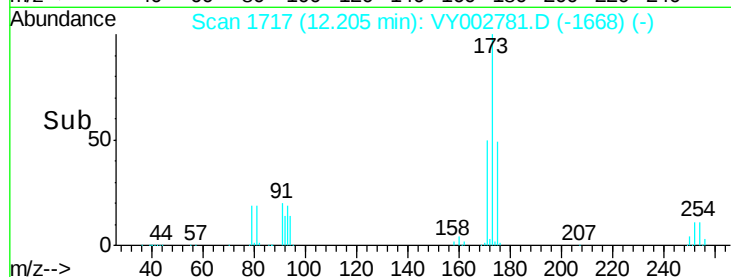
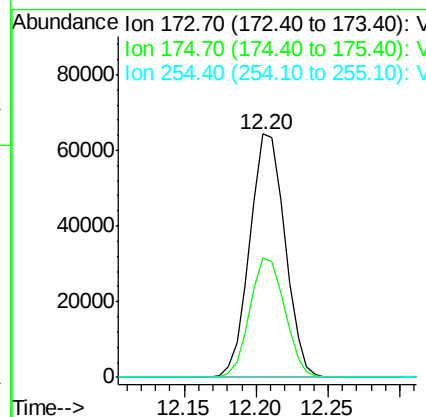
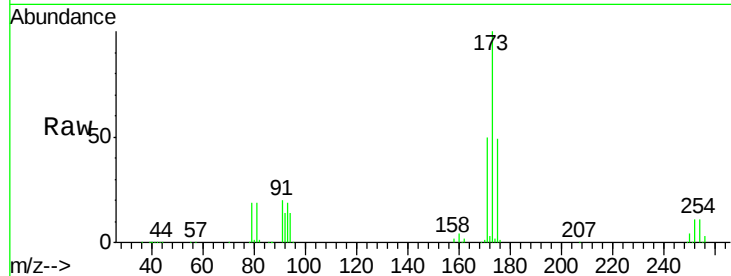
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

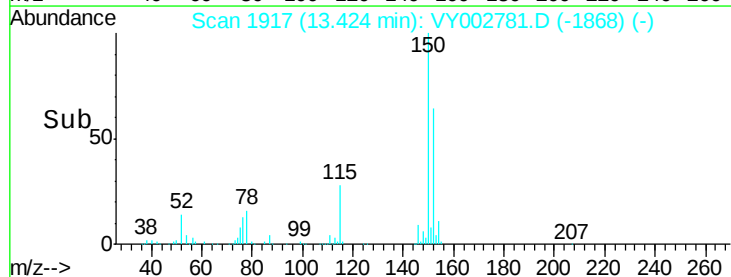
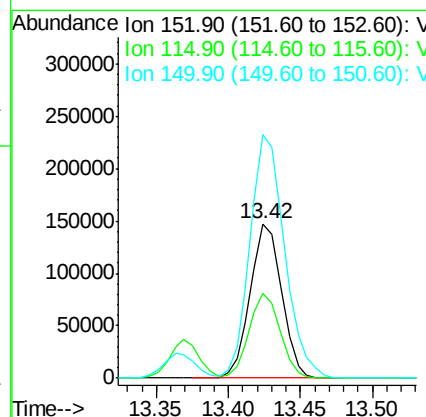
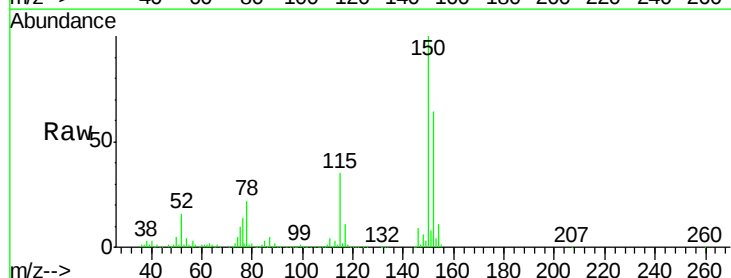
RT: 13.42 min Scan# 1917

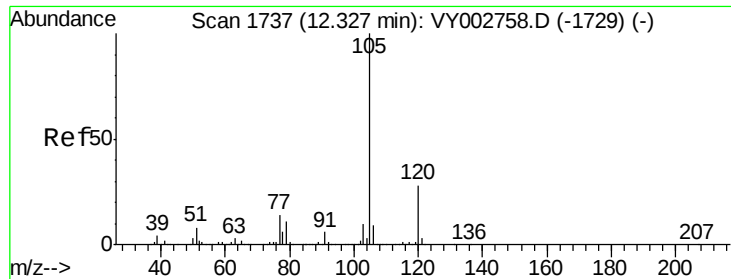
Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	174.5	0.0	344.8





#73

Isopropylbenzene

Concen: 52.224 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 739998

Ion Ratio Lower Upper

105 100

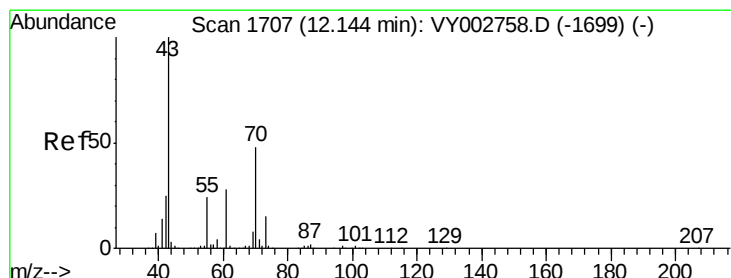
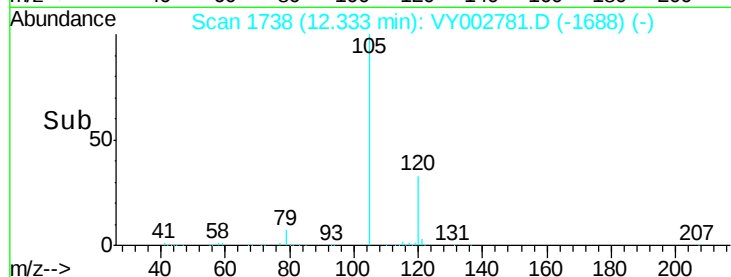
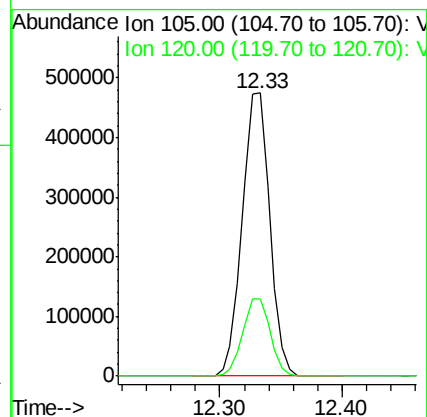
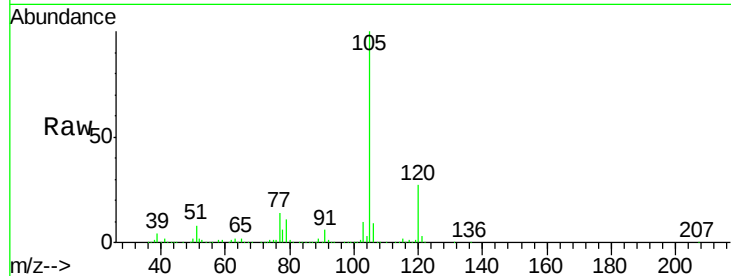
120 27.4 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

5/29/2020 10:57:03 AM



#74

N-ethyl acetate

Concen: 53.383 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion: 43 Resp: 194086

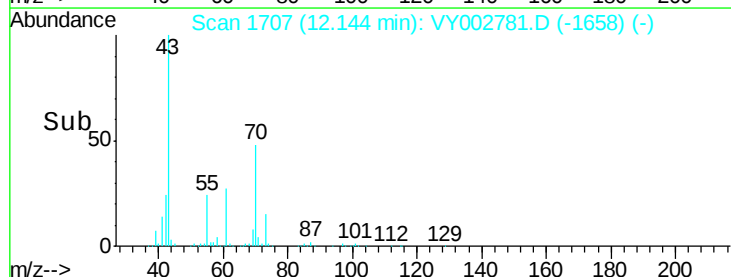
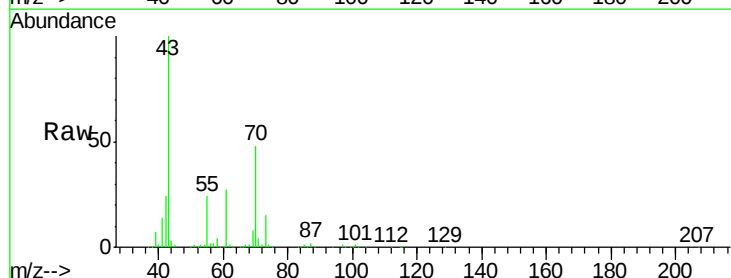
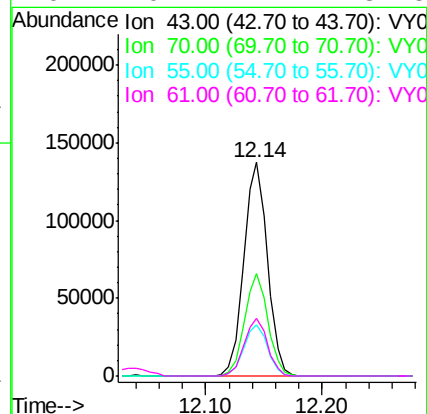
Ion Ratio Lower Upper

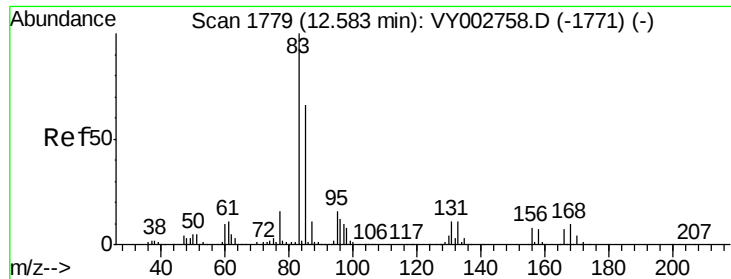
43 100

70 47.1 37.7 56.5

55 24.3 19.8 29.6

61 26.4 21.7 32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.279 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

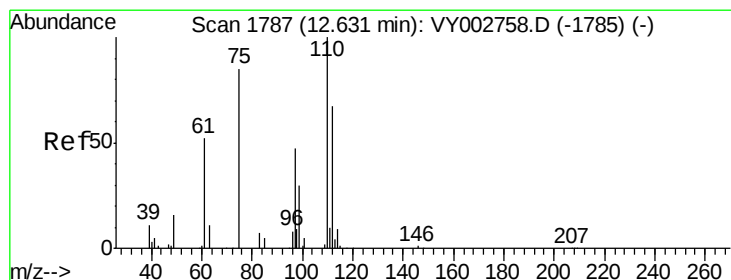
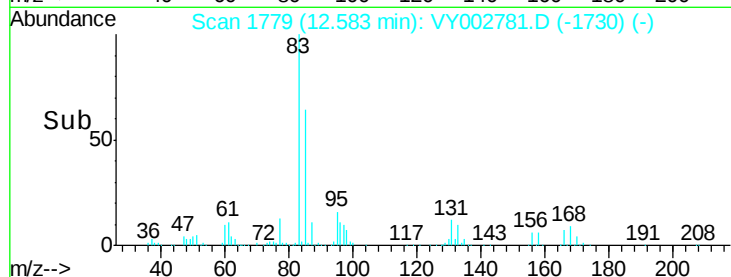
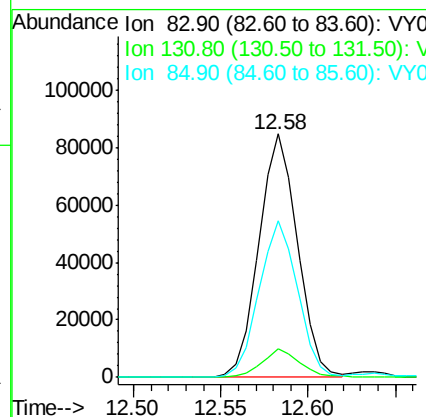
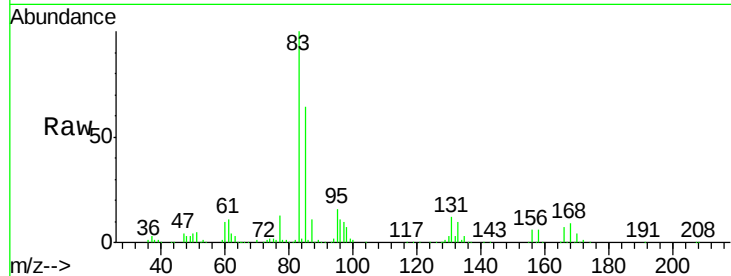
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	129974
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.8	17.4
85	64.5	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#76

1,2,3-Trichloropropane

Concen: 53.765 ug/l m

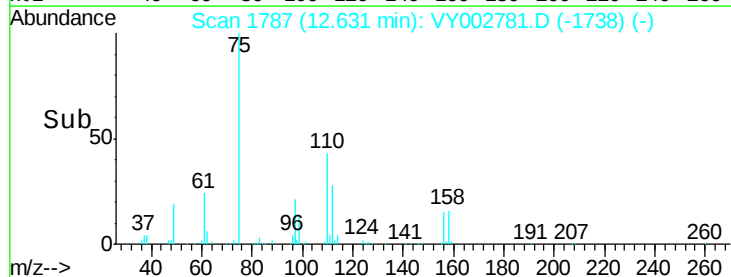
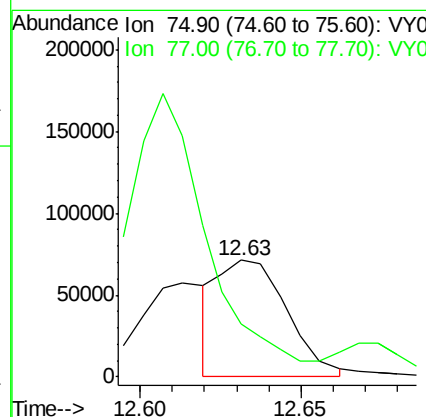
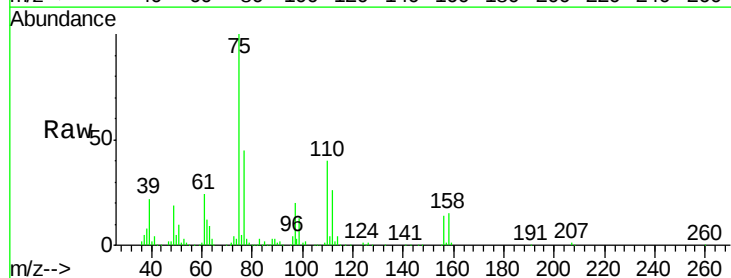
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	75	Resp:	107120
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.046 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

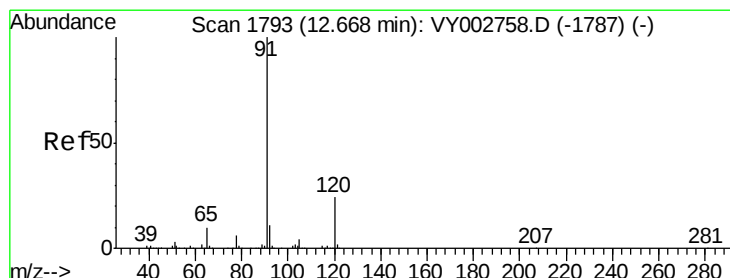
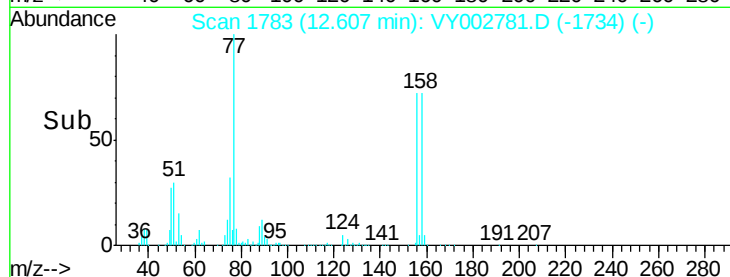
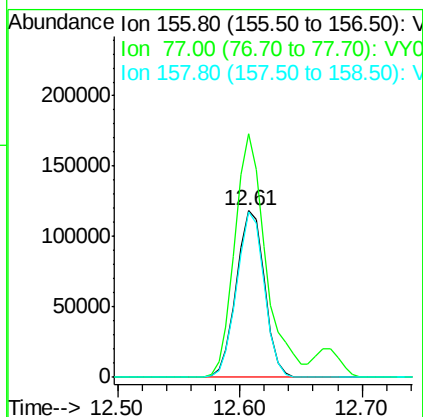
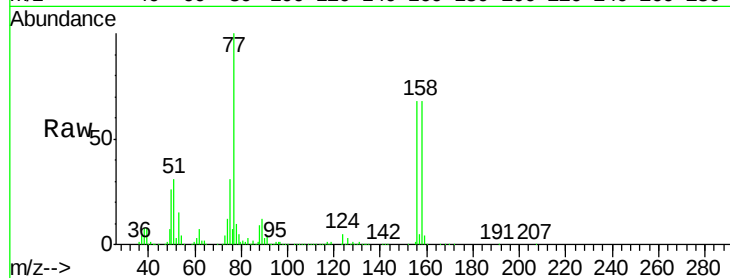
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	188341
Ion Ratio	Lower	Upper	
156	100		
77	160.7	81.4	244.2
158	97.0	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#78

n-propylbenzene

Concen: 52.567 ug/l

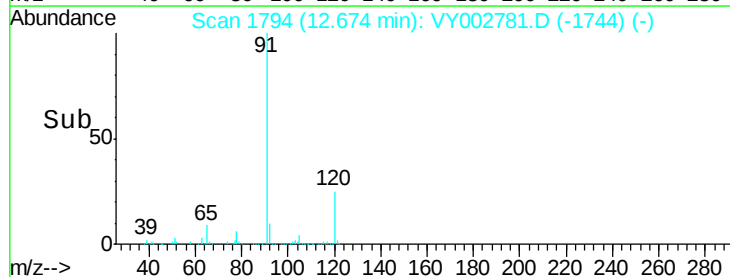
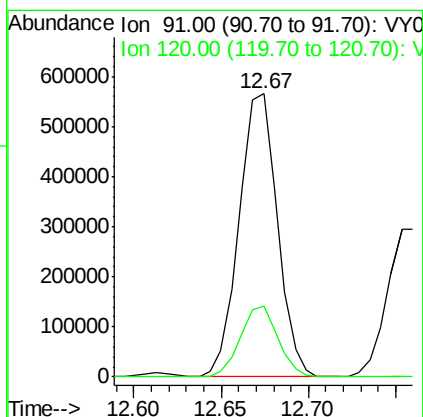
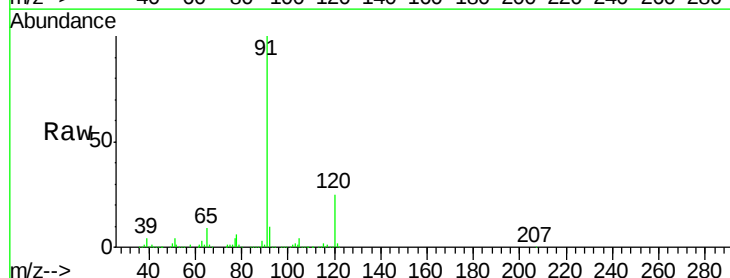
RT: 12.67 min Scan# 1794

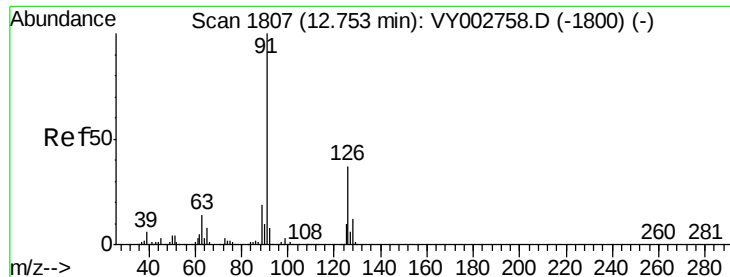
Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	91	Resp:	860398
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.448 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 472370

Ion Ratio Lower Upper

91 100

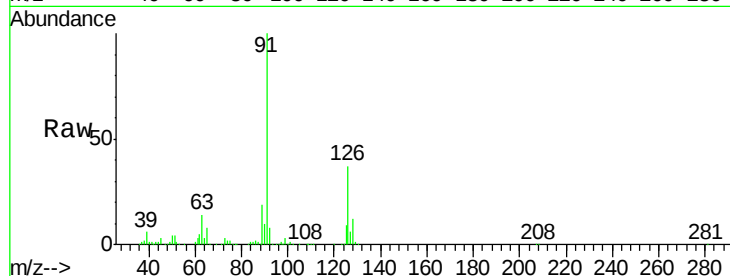
126 37.0 18.4 55.4

Manual Integrations

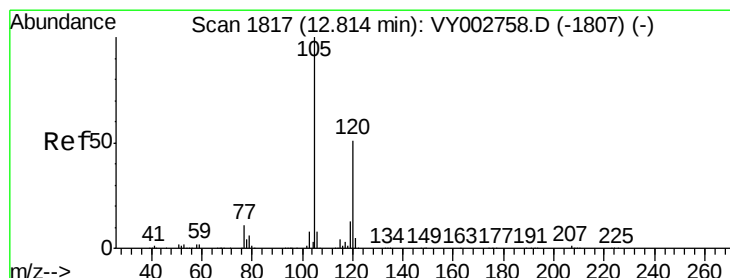
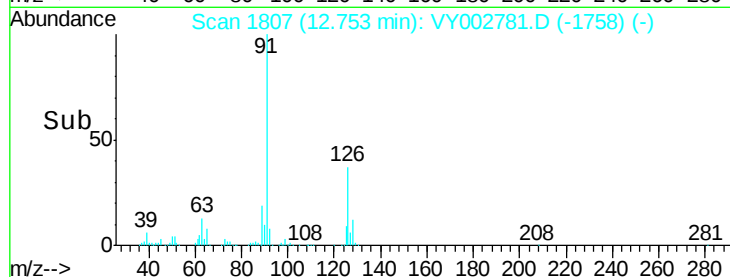
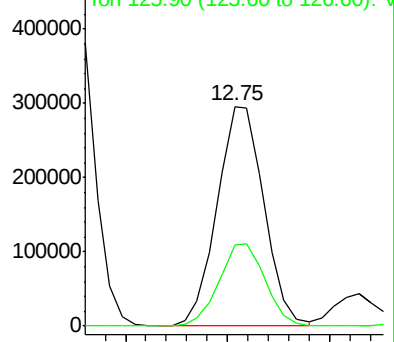
APPROVED

MMDadoda

5/29/2020 10:57:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VY002781.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.138 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002781.D

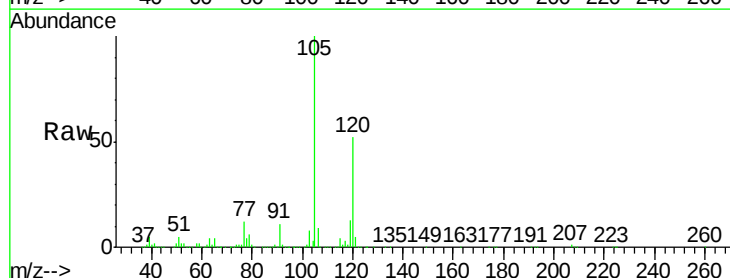
Acq: 28 May 2020 10:10

Tgt Ion: 105 Resp: 616853

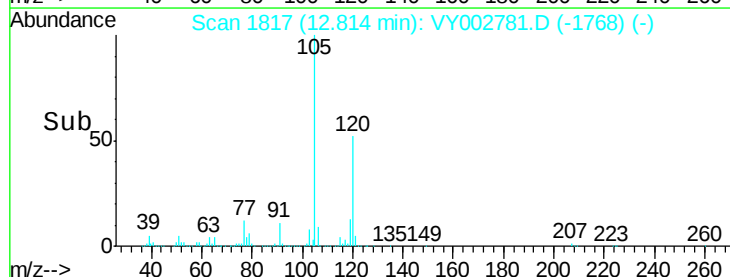
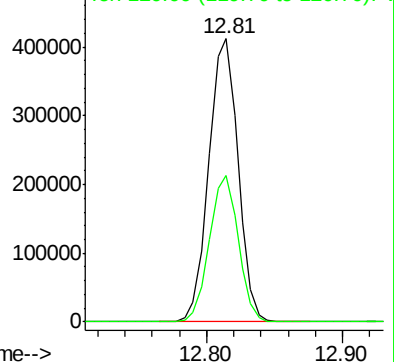
Ion Ratio Lower Upper

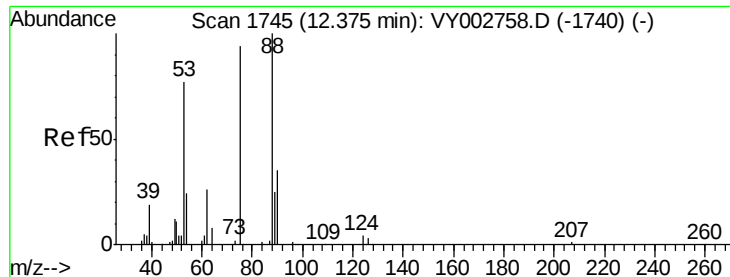
105 100

120 51.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002781.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.293 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

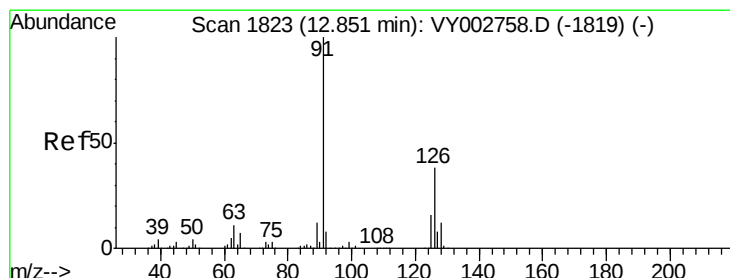
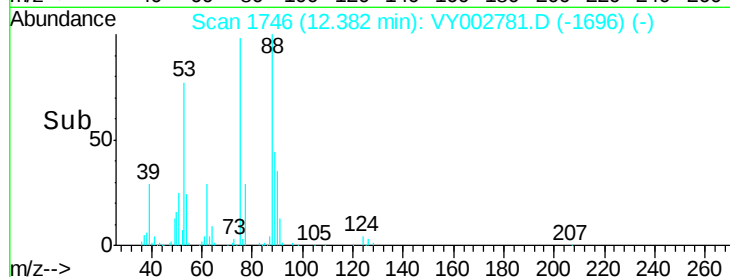
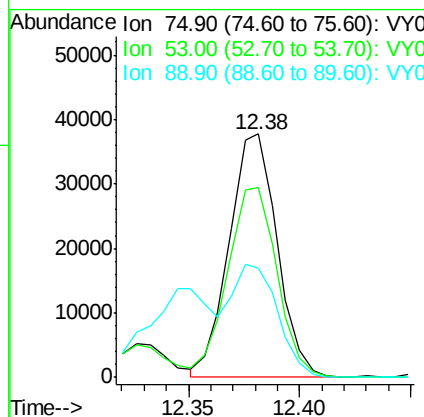
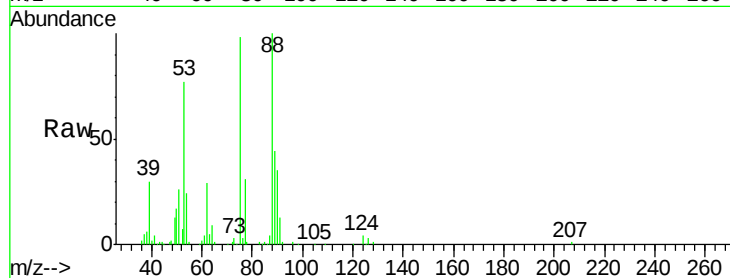
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56358
Ion Ratio	Lower	Upper	
75	100		
53	80.9	64.0	96.0
89	44.9	37.4	56.2

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#82

4-Chlorotoluene

Concen: 51.976 ug/l

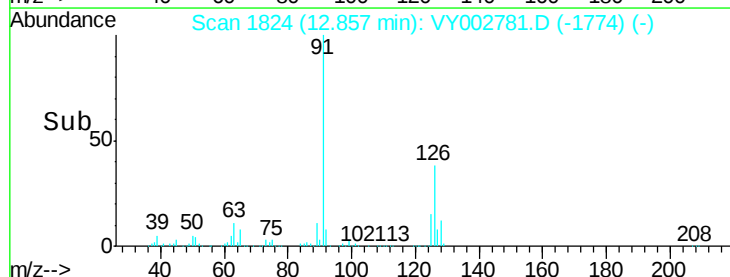
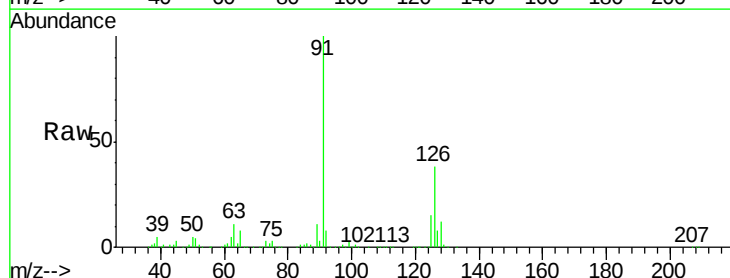
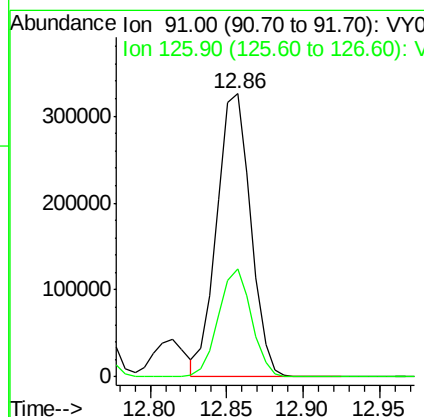
RT: 12.86 min Scan# 1824

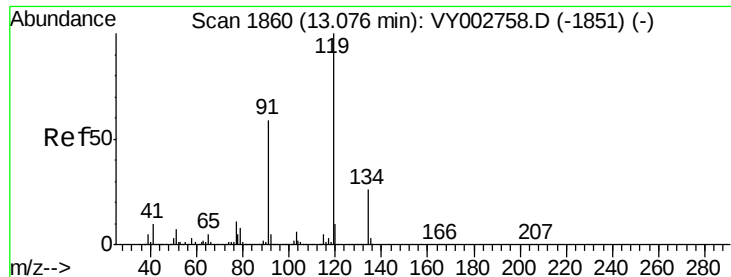
Delta R.T. 0.01 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	91	Resp:	499989
Ion Ratio	Lower	Upper	
91	100		
126	37.2	18.5	55.5





#83

tert-Butylbenzene

Concen: 52.089 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

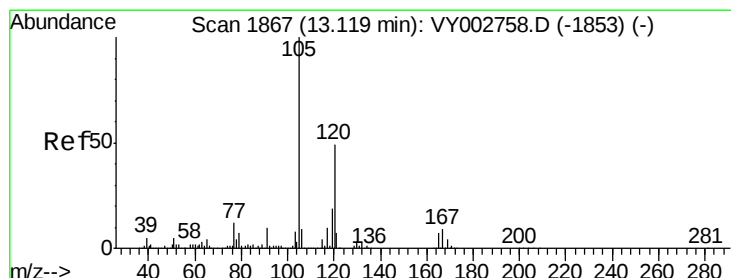
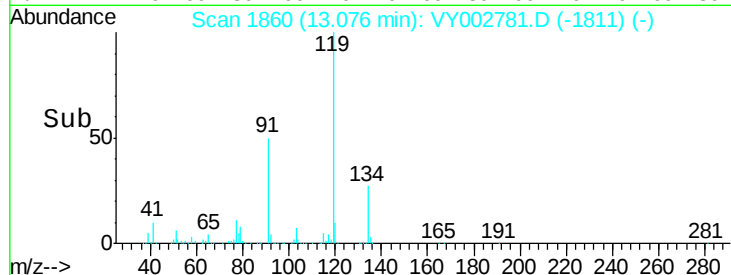
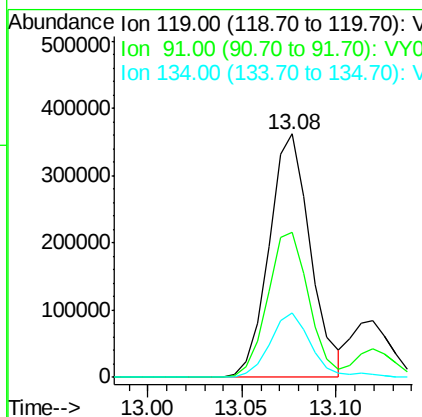
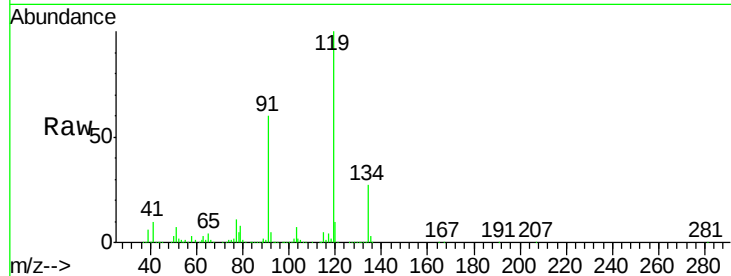
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	549715
Ion Ratio	Lower	Upper	
119	100		
91	59.7	29.8	89.4
134	26.8	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#84

1,2,4-Trimethylbenzene

Concen: 52.291 ug/l

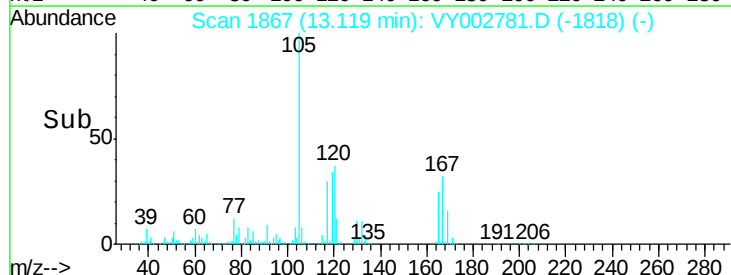
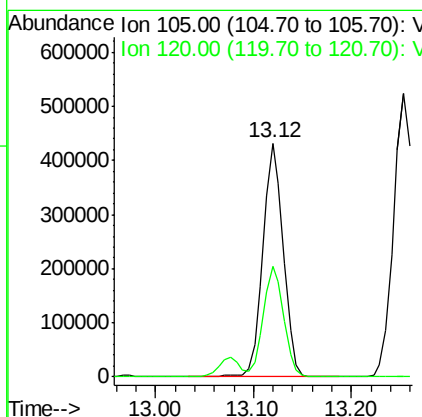
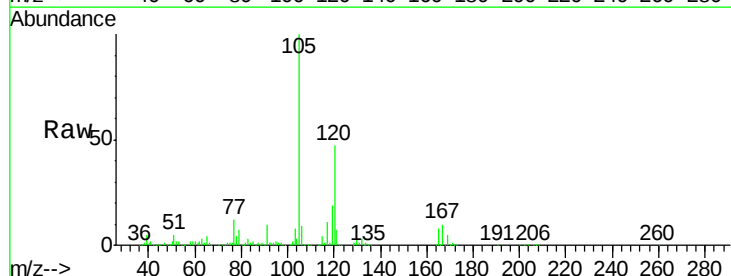
RT: 13.12 min Scan# 1867

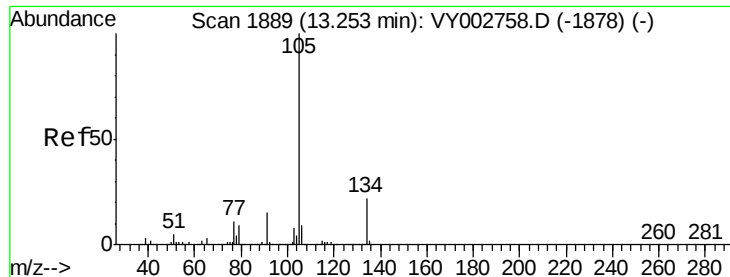
Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	105	Resp:	622066
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.6	70.8





#85

sec-Butylbenzene

Concen: 52.080 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 751512

Ion Ratio Lower Upper

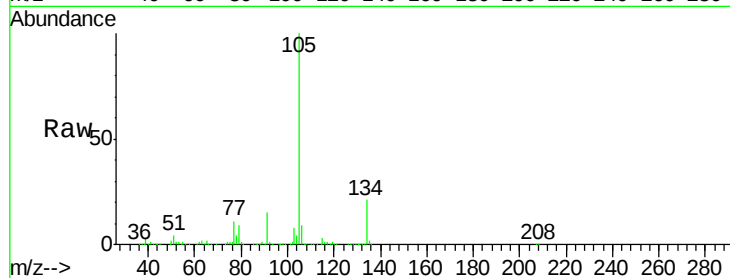
105 100

134 21.7 10.8 32.4

Manual Integrations
APPROVED

MMDadoda

5/29/2020 10:57:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

100000

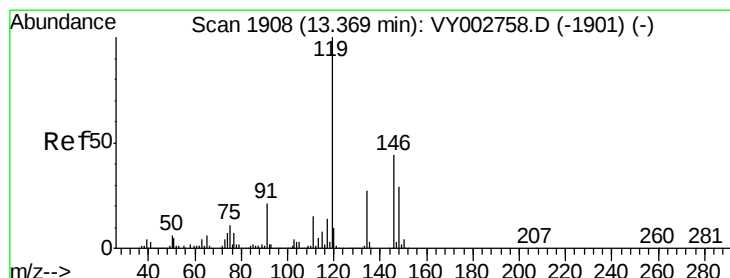
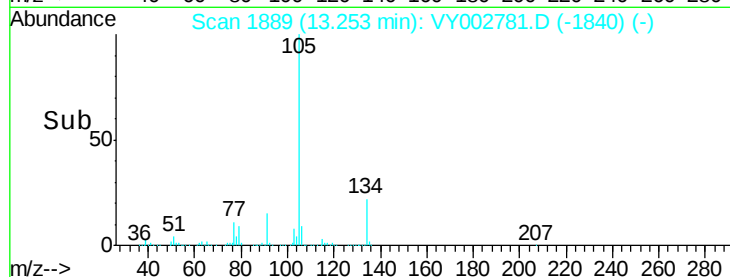
0

13.20

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 52.190 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

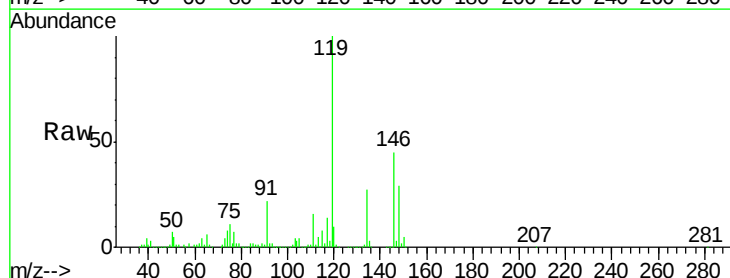
Tgt Ion:119 Resp: 700748

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

91 21.7 10.8 32.4



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

600000

500000

400000

300000

200000

100000

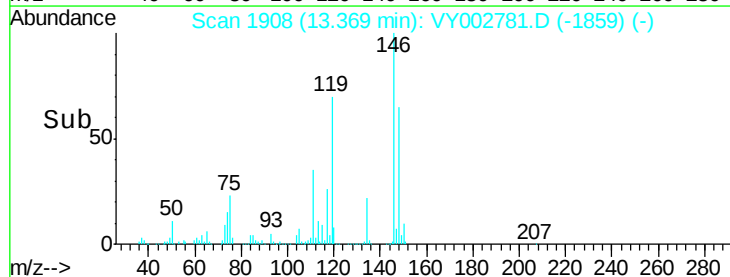
0

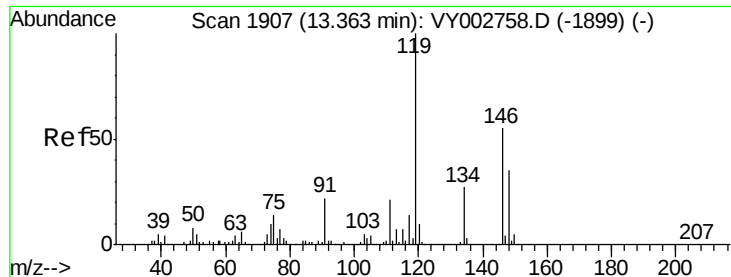
13.30

13.35

13.40

Time-->





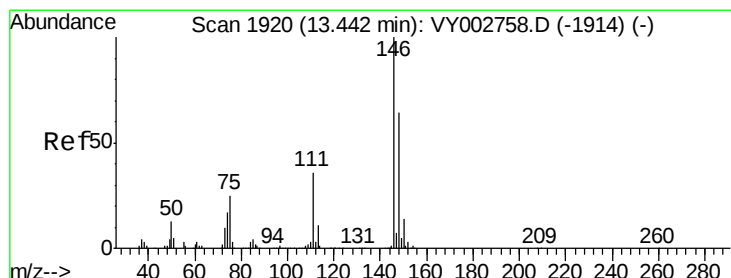
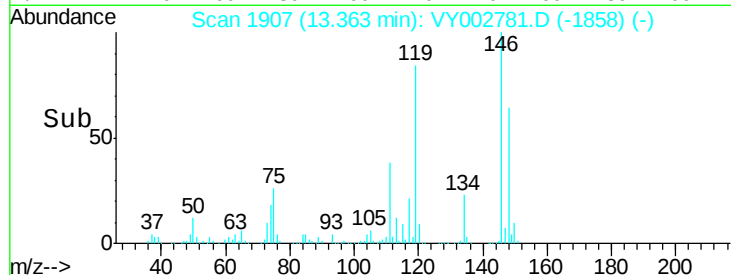
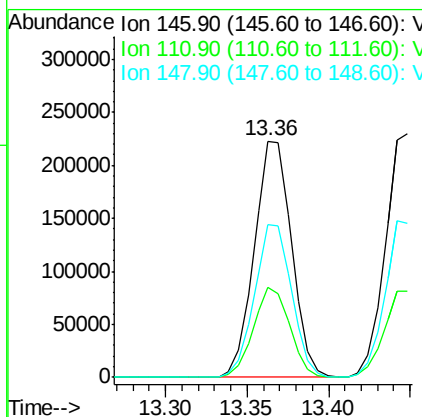
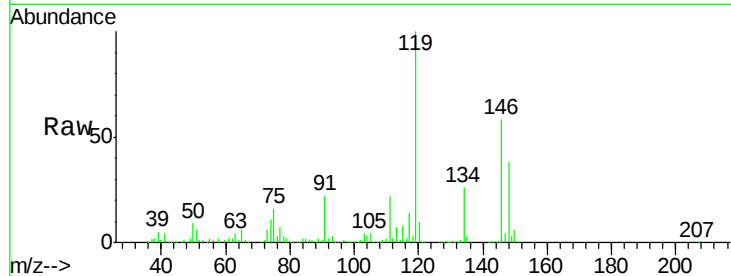
#87
 1,3-Dichlorobenzene
 Concen: 50.767 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.2	31.9	95.7

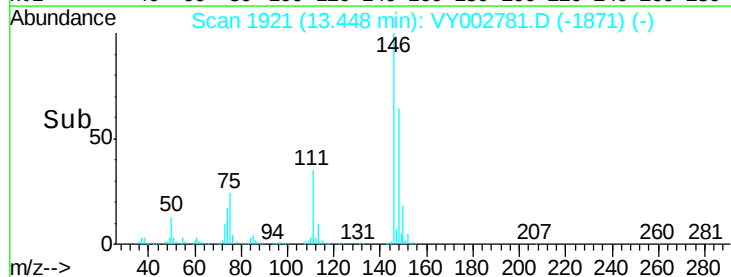
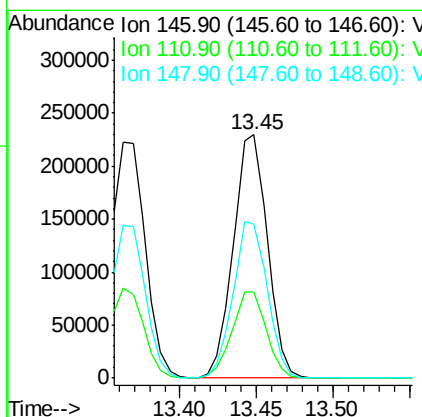
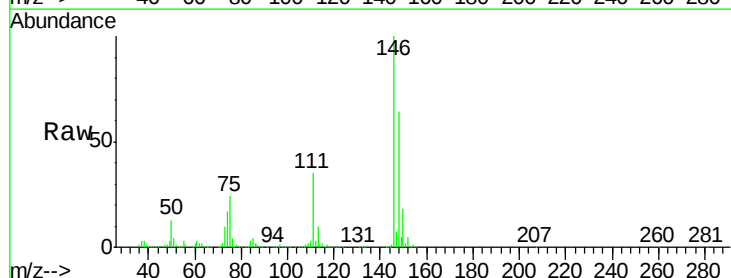
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.888 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.3
148	64.5	32.1	96.3





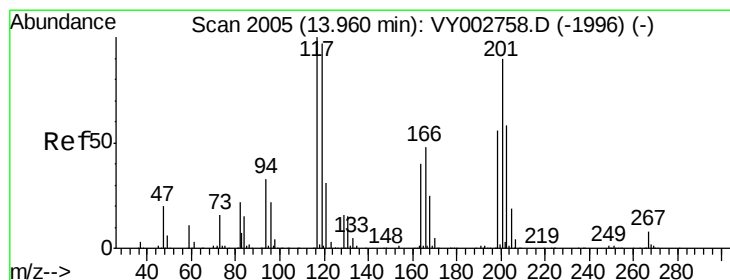
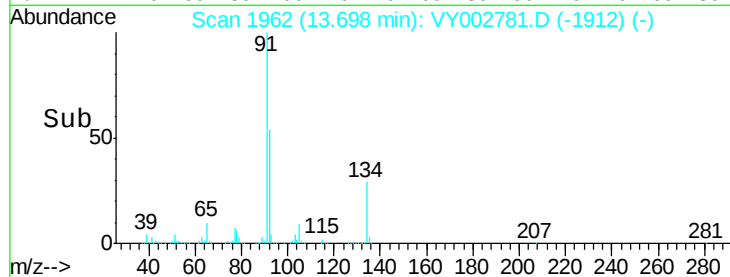
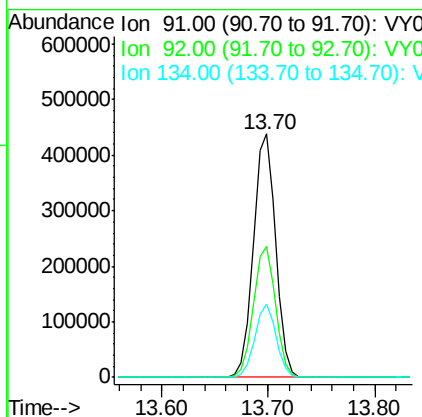
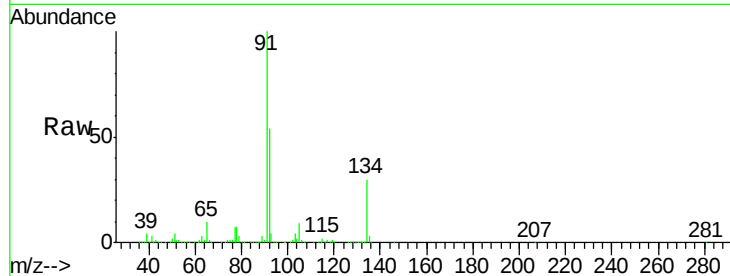
#89
n-Butylbenzene
Concen: 52.495 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.2
134	28.9	14.3	42.9

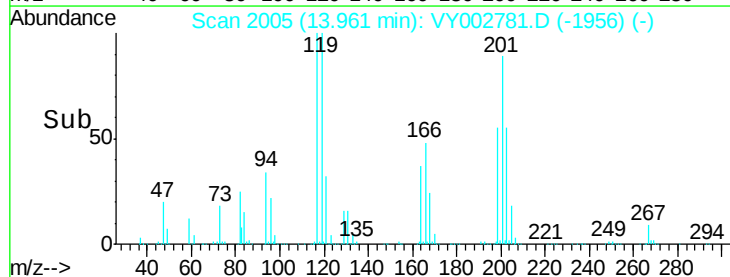
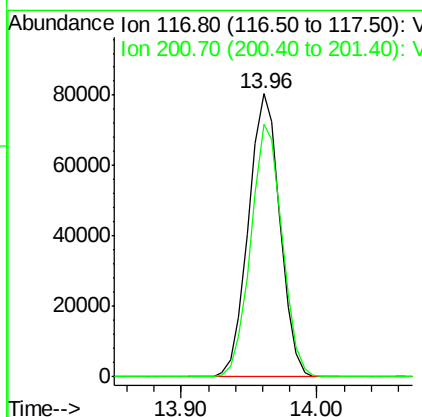
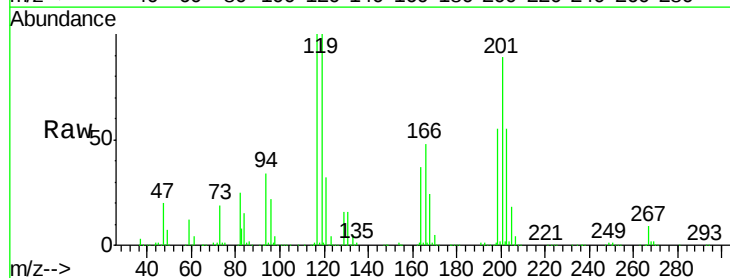
Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#90
Hexachloroethane
Concen: 52.057 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002781.D
Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.9	131.6





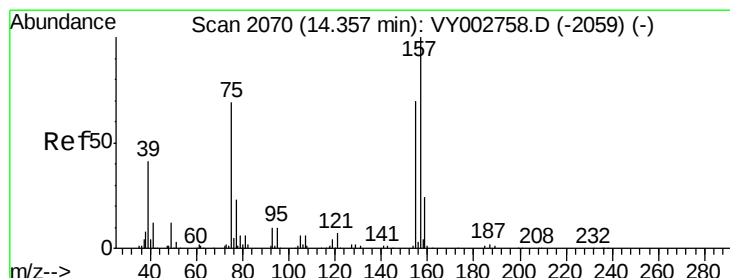
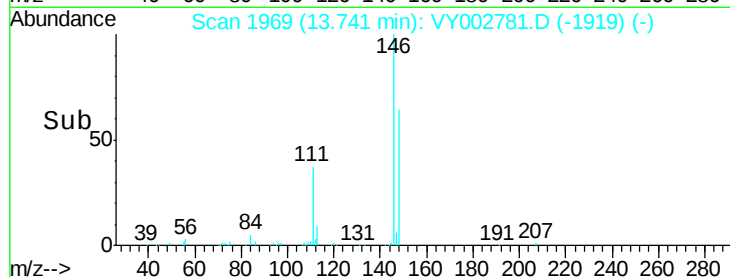
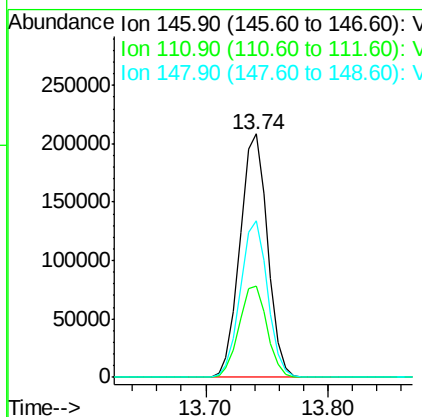
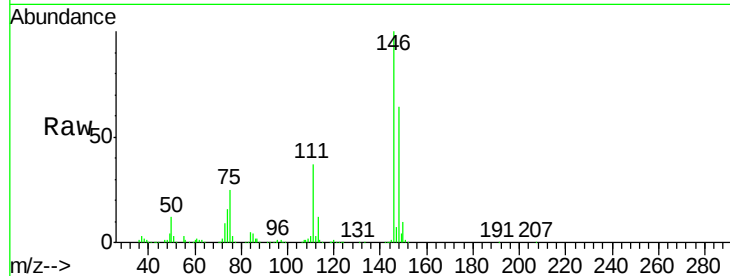
#91
 1,2-Dichlorobenzene
 Concen: 51.220 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.6	31.9	95.5

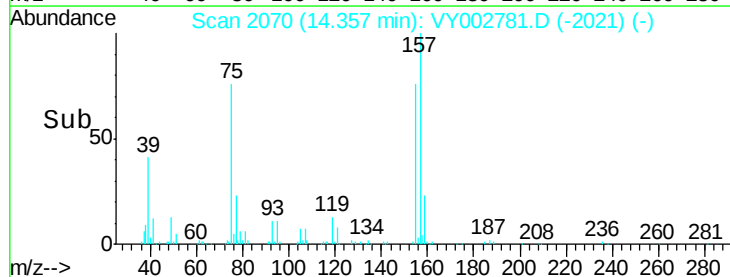
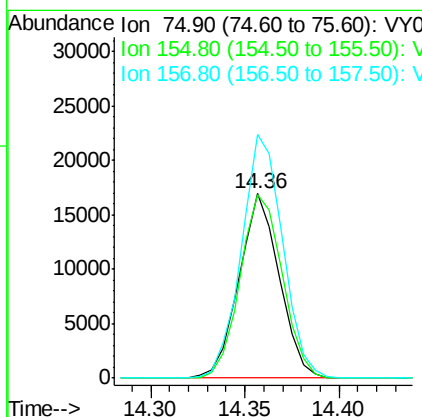
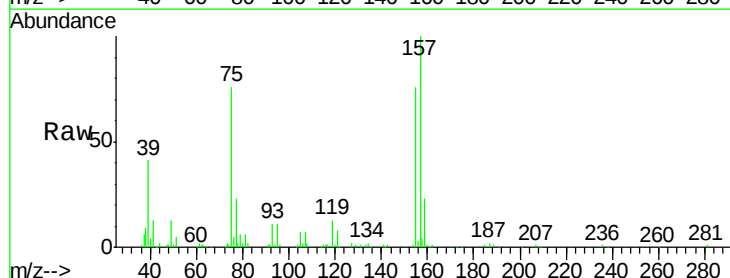
Manual Integrations
 APPROVED

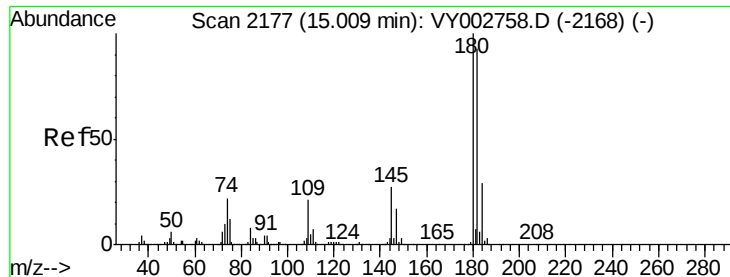
MMDadoda
 5/29/2020 10:57:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.400 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	53.5	160.5
157	135.6	69.9	209.7





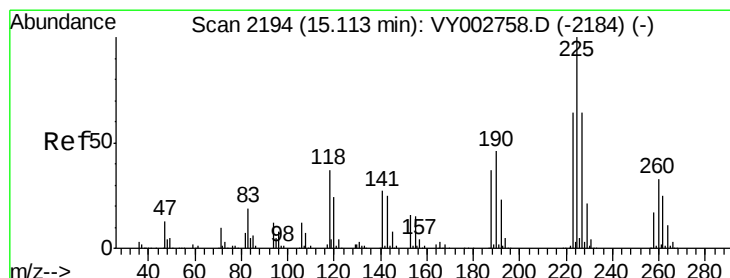
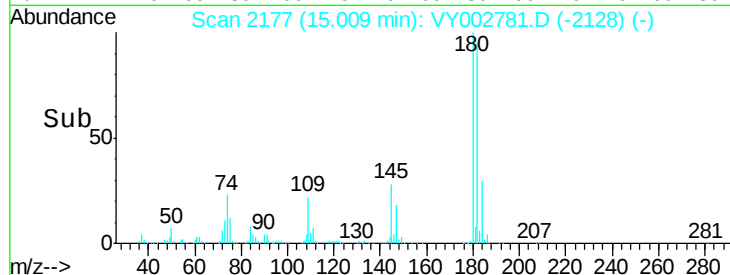
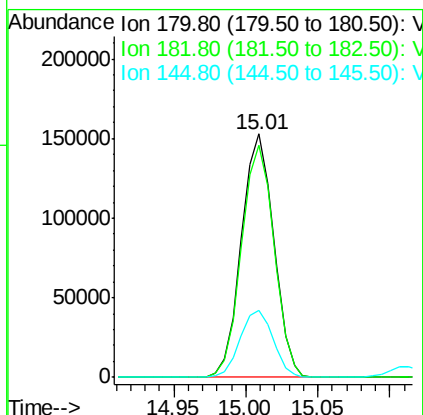
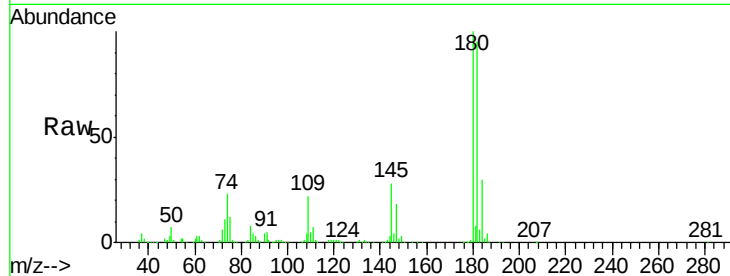
#93
 1,2,4-Trichlorobenzene
 Concen: 49.773 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237788		
182	95.9	47.3	141.9	
145	28.4	14.1	42.3	

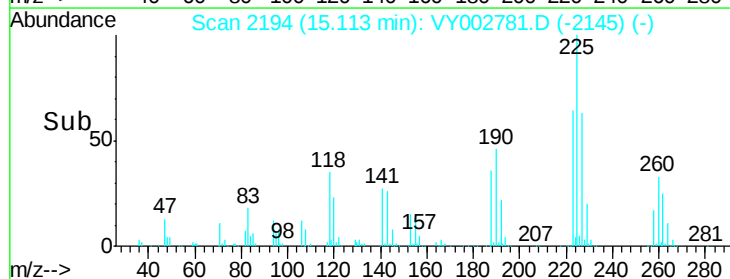
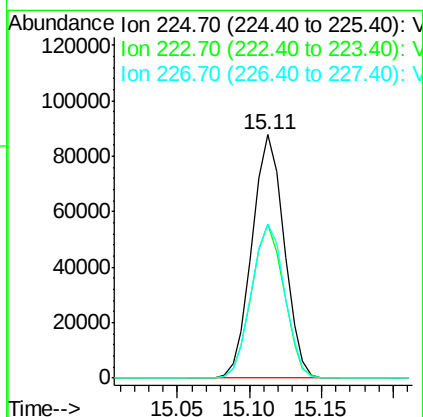
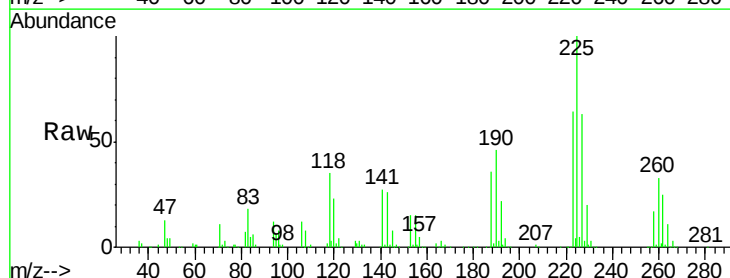
Manual Integrations
 APPROVED

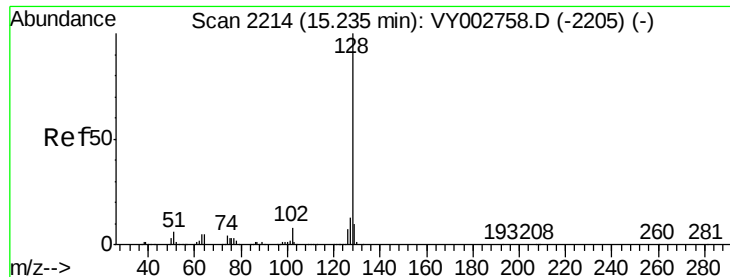
MMDadoda
 5/29/2020 10:57:03 AM



#94
 Hexachlorobutadiene
 Concen: 49.981 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002781.D
 Acq: 28 May 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135430		
223	63.8	31.6	95.0	
227	65.1	32.3	96.9	





#95

Naphthalene

Concen: 50.423 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Instrument :

MSVOA_Y

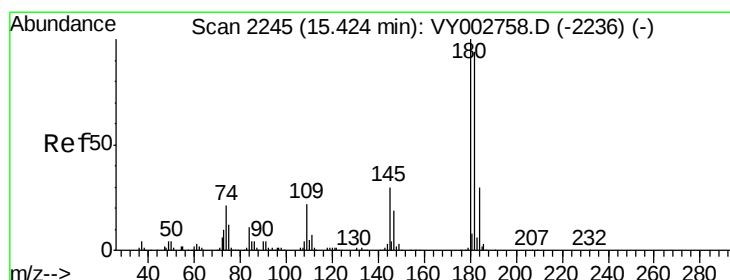
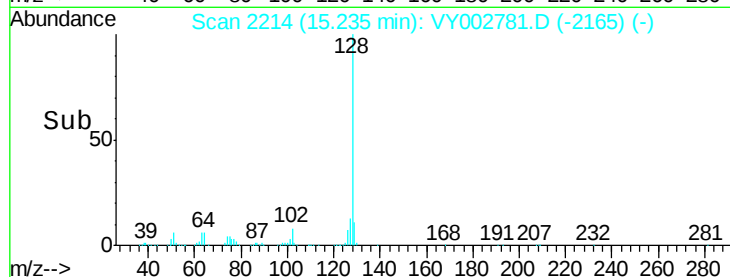
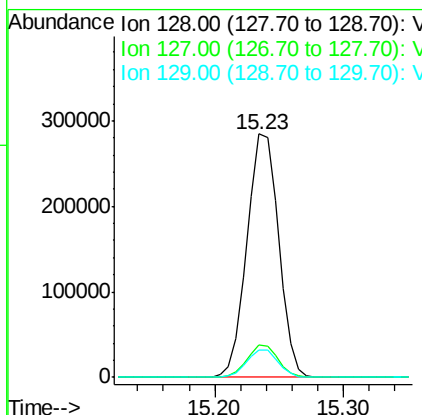
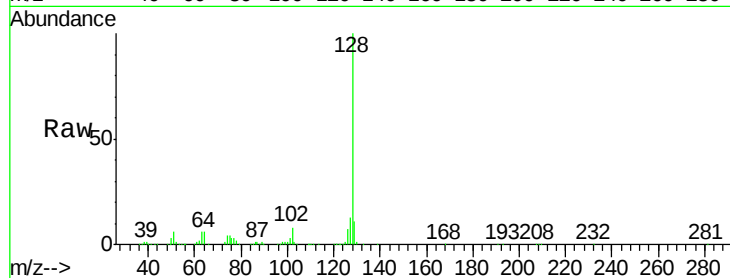
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	482993
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.535 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002781.D

Acq: 28 May 2020 10:10

Tgt Ion:	180	Resp:	211326
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.1	144.4
145	29.7	15.1	45.3

