

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003102.D
 Acq On : 06 Jul 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
 7/7/2020 11:11:59 AM

Quant Time: Jul 07 07:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	460200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	664618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	602497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	311838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	209401	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.72	113	206600	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.18	98	751627	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.48	95	264361	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	163430	46.892	ug/l	98
3) Chloromethane	2.11	50	235049	46.055	ug/l	99
4) Vinyl Chloride	2.25	62	246892	49.593	ug/l	97
5) Bromomethane	2.65	94	174091	51.504	ug/l	99
6) Chloroethane	2.80	64	160026	50.530	ug/l	98
7) Trichlorofluoromethane	3.13	101	349273	49.707	ug/l	99
8) Diethyl Ether	3.54	74	118154	49.050	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	211814	50.486	ug/l	99
10) Methyl Iodide	4.10	142	260993	50.168	ug/l	99
11) Tert butyl alcohol	4.96	59	109996	236.140	ug/l	99
12) 1,1-Dichloroethene	3.88	96	198497	49.725	ug/l	95
13) Acrolein	3.74	56	87203	208.438	ug/l	98
14) Allyl chloride	4.49	41	320273	45.952	ug/l	98
15) Acrylonitrile	5.18	53	298822	240.701	ug/l	100
16) Acetone	3.95	43	325642	302.082	ug/l	100
17) Carbon Disulfide	4.20	76	603939	47.352	ug/l	99
18) Methyl Acetate	4.48	43	132809	45.729	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	580134	49.857	ug/l	98
20) Methylene Chloride	4.72	84	226168	46.533	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	224977	49.824	ug/l	94
22) Diisopropyl ether	6.13	45	712586	47.702	ug/l	96
23) Vinyl Acetate	6.07	43	2381538	238.459	ug/l	100
24) 1,1-Dichloroethane	6.03	63	397200	48.676	ug/l	98
25) 2-Butanone	6.99	43	441872	258.043	ug/l	100
26) 2,2-Dichloropropane	6.99	77	364257	49.132	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	251306	49.620	ug/l	98
28) Bromochloromethane	7.34	49	174712	48.120	ug/l	90
29) Tetrahydrofuran	7.35	42	265204	232.891	ug/l	94
30) Chloroform	7.51	83	400620	49.557	ug/l	99
31) Cyclohexane	7.79	56	364365	45.326	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	363047	49.199	ug/l	99
36) 1,1-Dichloropropene	7.92	75	317102	49.533	ug/l	99
37) Ethyl Acetate	7.08	43	180317	46.846	ug/l	99
38) Carbon Tetrachloride	7.91	117	334616	50.237	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003102.D
 Acq On : 06 Jul 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
 7/7/2020 11:11:59 AM

Quant Time: Jul 07 07:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	393379	49.560	ug/l	99
40) Benzene	8.16	78	872669	49.791	ug/l	99
41) Methacrylonitrile	7.33	41	116376m	56.599	ug/l	
42) 1,2-Dichloroethane	8.24	62	270457	48.778	ug/l	99
43) Isopropyl Acetate	8.28	43	351319	48.011	ug/l	98
44) Trichloroethene	8.94	130	261067	51.248	ug/l	99
45) 1,2-Dichloropropane	9.22	63	230751	48.937	ug/l	95
46) Dibromomethane	9.31	93	130906	49.707	ug/l	98
47) Bromodichloromethane	9.50	83	322177	49.961	ug/l	99
48) Methyl methacrylate	9.30	41	159260	47.816	ug/l	97
49) 1,4-Dioxane	9.30	88	35342	1099.354	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	926553	244.986	ug/l	98
52) Toluene	10.24	92	550136	49.863	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	339395	50.199	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	384937	49.784	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	186345	50.920	ug/l	99
56) Ethyl methacrylate	10.51	69	267666	50.527	ug/l	97
57) 1,3-Dichloropropane	10.79	76	322749	50.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	708462	260.760	ug/l	98
59) 2-Hexanone	10.83	43	701327	265.300	ug/l	100
60) Dibromochloromethane	10.99	129	238175	50.856	ug/l	99
61) 1,2-Dibromoethane	11.09	107	182541	50.596	ug/l	99
64) Tetrachloroethene	10.72	164	256935	50.387	ug/l	98
65) Chlorobenzene	11.52	112	600180	50.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	238637	51.450	ug/l	99
67) Ethyl Benzene	11.59	91	1095618	50.411	ug/l	99
68) m/p-Xylenes	11.70	106	818099	101.138	ug/l	99
69) o-Xylene	12.03	106	386703	50.732	ug/l	98
70) Styrene	12.05	104	670891	51.520	ug/l	99
71) Bromoform	12.20	173	161901	52.348	ug/l	99
73) Isopropylbenzene	12.33	105	1069538	52.406	ug/l	100
74) N-amyl acetate	12.14	43	327886	49.352	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	215312	52.279	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	165805m	53.724	ug/l	
77) Bromobenzene	12.61	156	270736	51.739	ug/l	99
78) n-propylbenzene	12.67	91	1261712	51.406	ug/l	99
79) 2-Chlorotoluene	12.75	91	707552	51.646	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	891071	52.031	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	82364	51.923	ug/l	95
82) 4-Chlorotoluene	12.86	91	734751	51.512	ug/l	99
83) tert-Butylbenzene	13.08	119	781986	52.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	892000	51.690	ug/l	100
85) sec-Butylbenzene	13.25	105	1080771	52.143	ug/l	100
86) p-Isopropyltoluene	13.37	119	1004244	52.288	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	506909	51.888	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	503941	52.313	ug/l	98
89) n-Butylbenzene	13.70	91	950260	51.712	ug/l	99
90) Hexachloroethane	13.96	117	197743	51.850	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	448908	51.215	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	36297	49.785	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003102.D
Acq On : 06 Jul 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
7/7/2020 11:11:59 AM

Quant Time: Jul 07 07:36:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	328363	50.416	ug/l	99
94) Hexachlorobutadiene	15.11	225	212994	51.846	ug/l	98
95) Naphthalene	15.23	128	589772	49.576	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	280234	49.550	ug/l	99

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

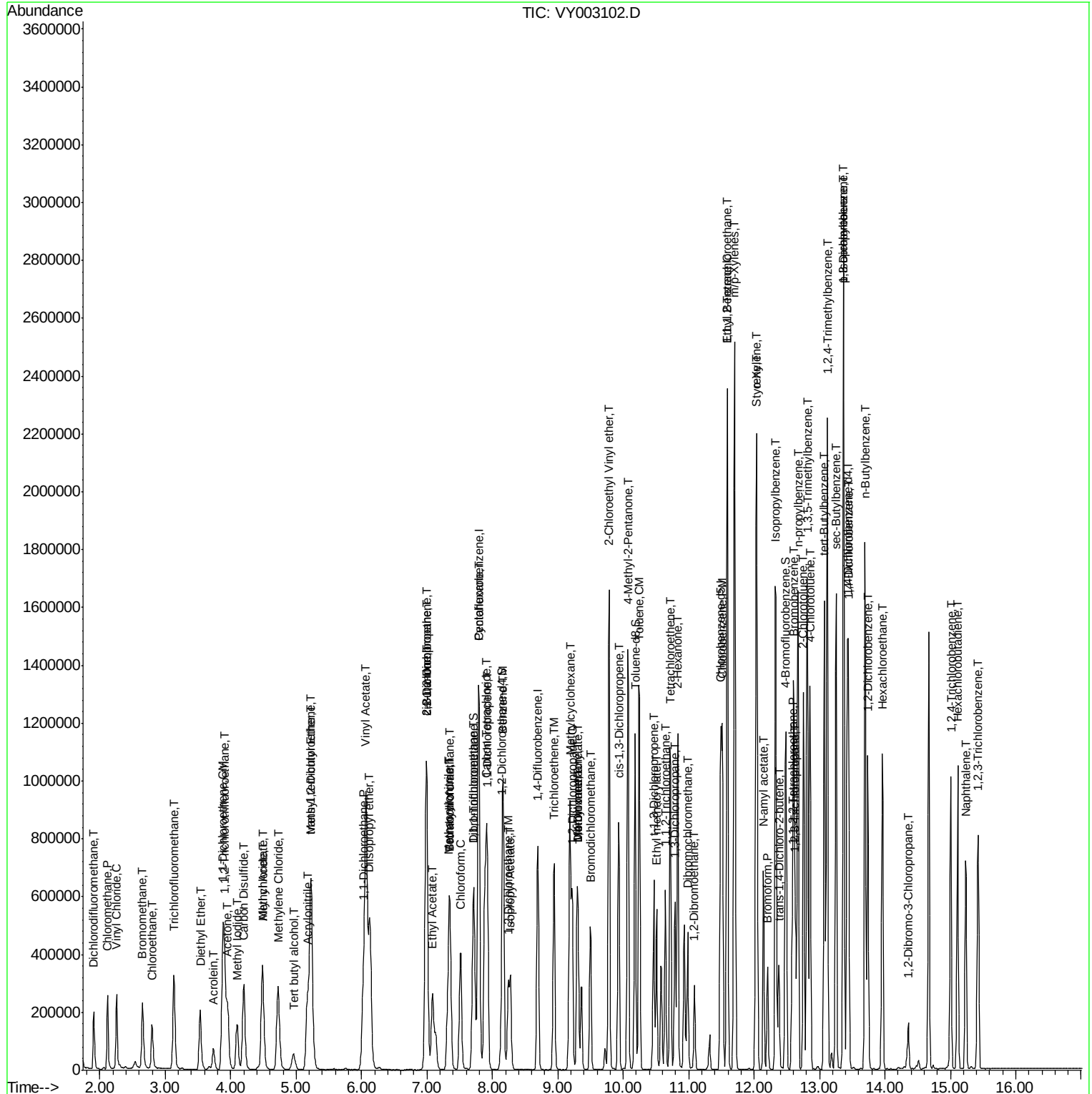
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003102.D
Acq On : 06 Jul 2020 10:10
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

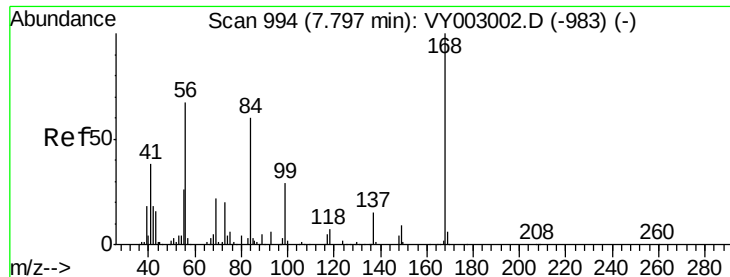
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM

Quant Time: Jul 07 07:36:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 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: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 460200

Ion Ratio Lower Upper

168 100

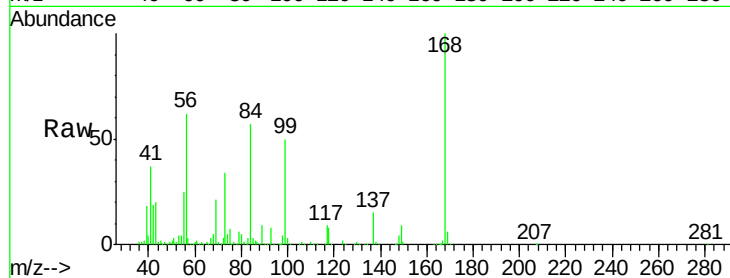
99 49.4 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

7/7/2020 11:11:59 AM



Abundance Ion 167.90 (167.60 to 168.60): VY003102.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003102.D (-945) (-)

7.80

200000

150000

100000

50000

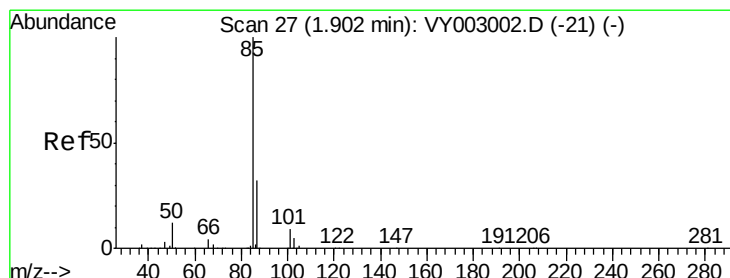
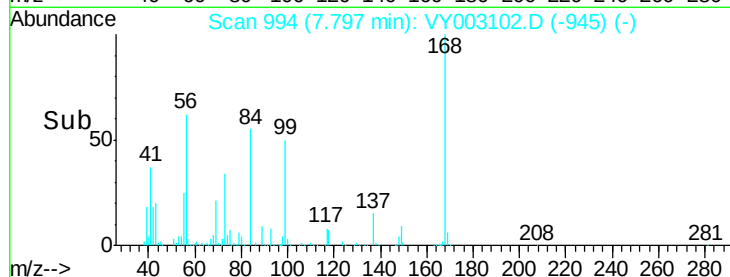
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.892 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003102.D

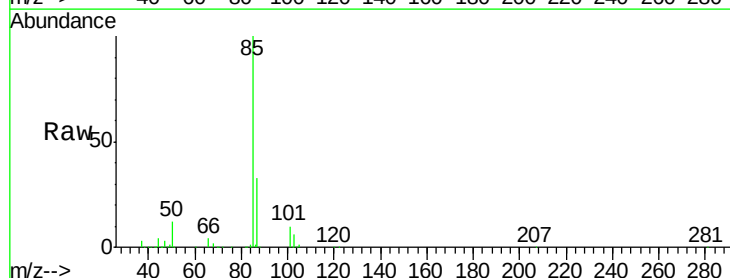
Acq: 06 Jul 2020 10:10

Tgt Ion: 85 Resp: 163430

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003102.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003102.D (-1) (-)

1.91

120000

100000

80000

60000

40000

20000

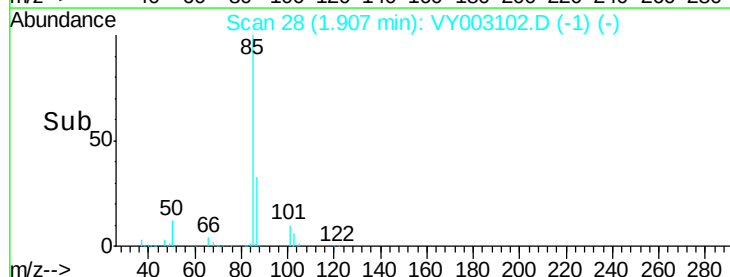
0

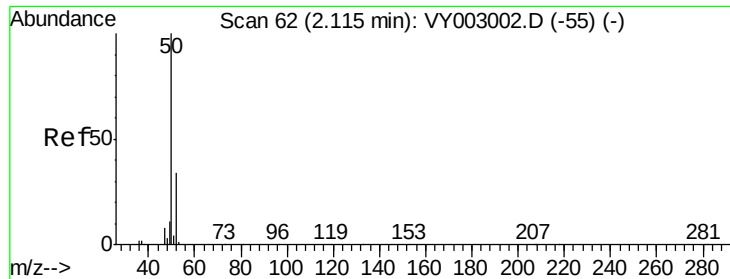
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 46.055 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 235049

Ion Ratio Lower Upper

50 100

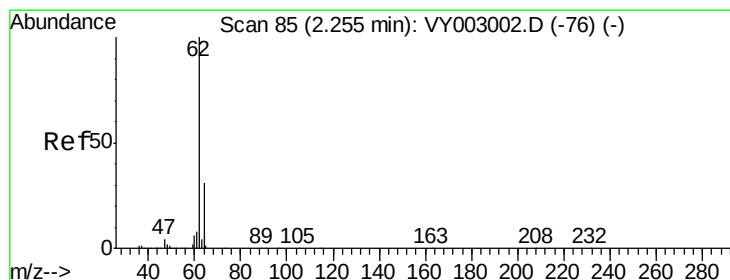
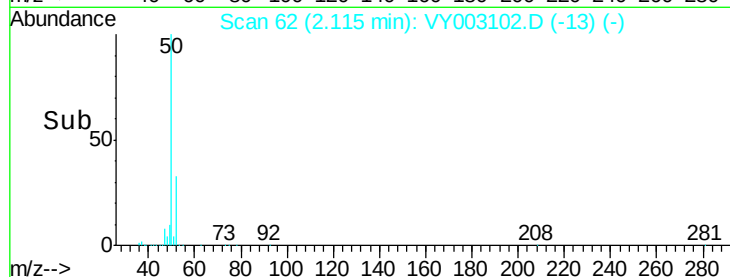
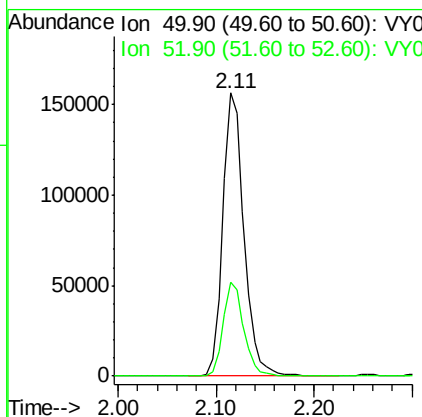
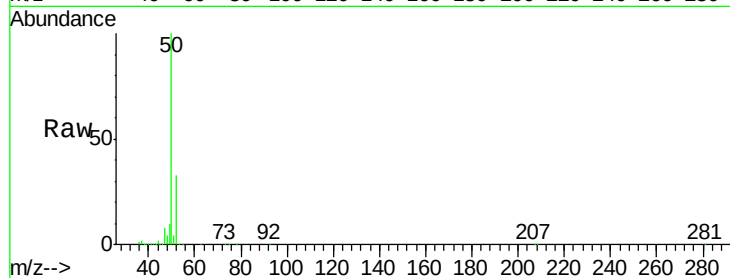
52 33.1 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#4

Vinyl Chloride

Concen: 49.593 ug/l

RT: 2.25 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003102.D

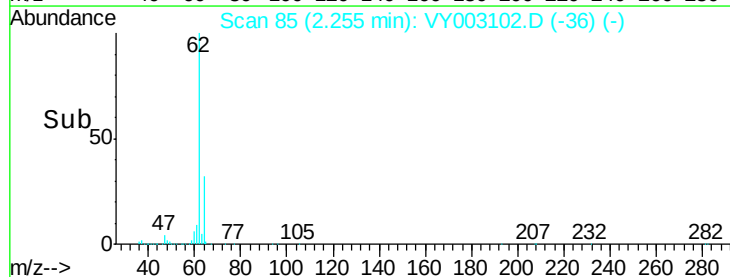
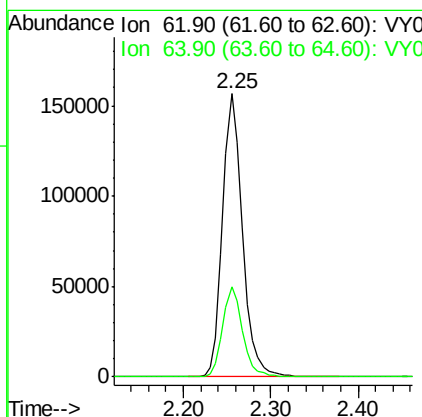
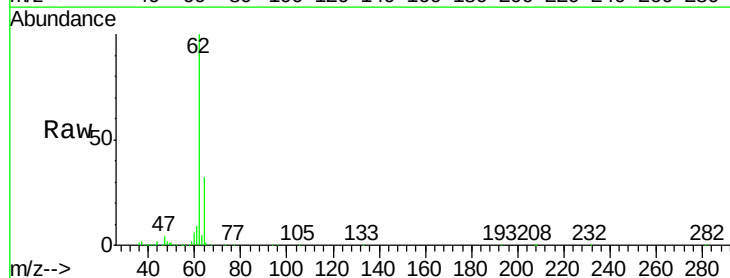
Acq: 06 Jul 2020 10:10

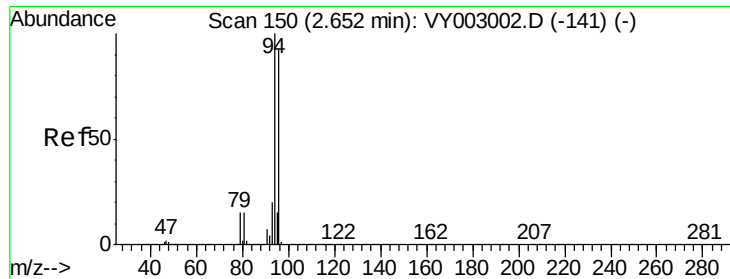
Tgt Ion: 62 Resp: 246892

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 51.504 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 174091

Ion Ratio Lower Upper

94 100

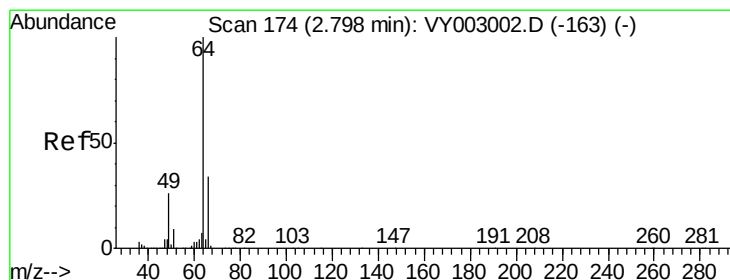
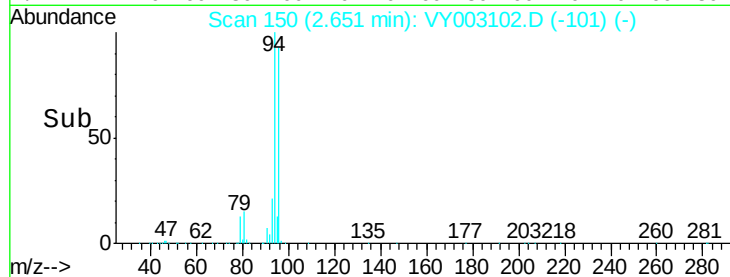
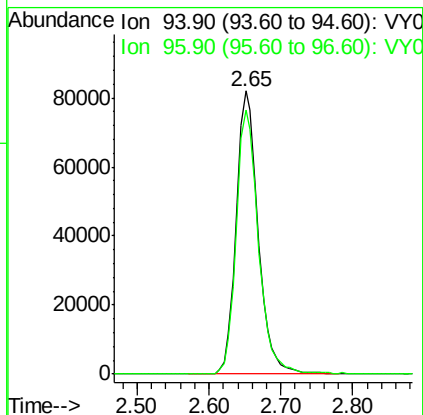
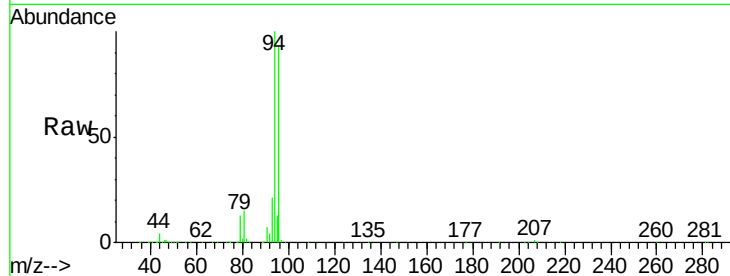
96 93.0 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#6

Chloroethane

Concen: 50.530 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003102.D

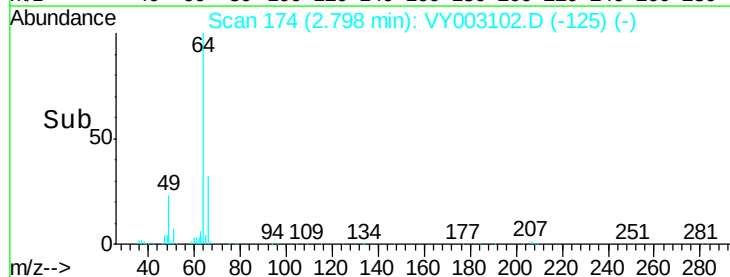
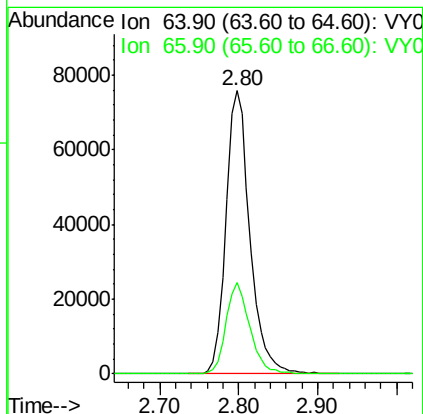
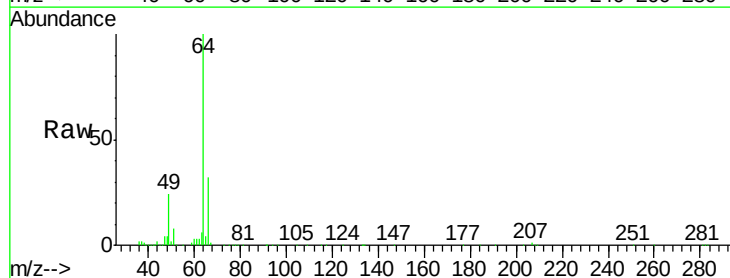
Acq: 06 Jul 2020 10:10

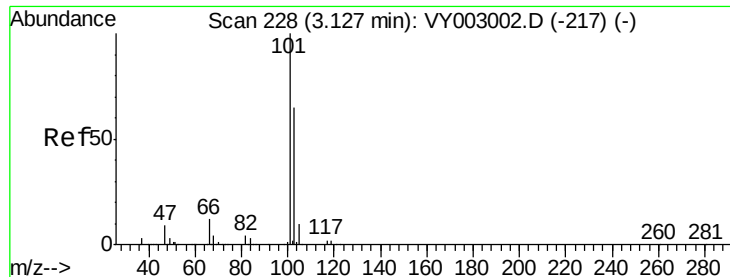
Tgt Ion: 64 Resp: 160026

Ion Ratio Lower Upper

64 100

66 32.3 27.0 40.4





#7

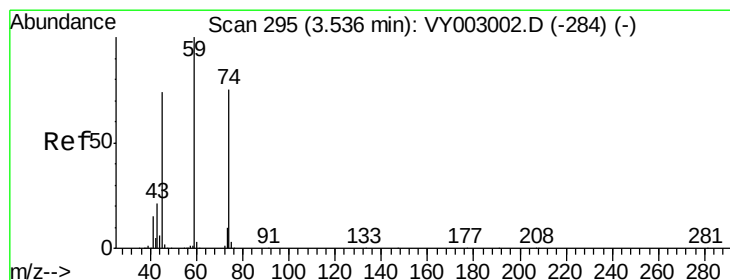
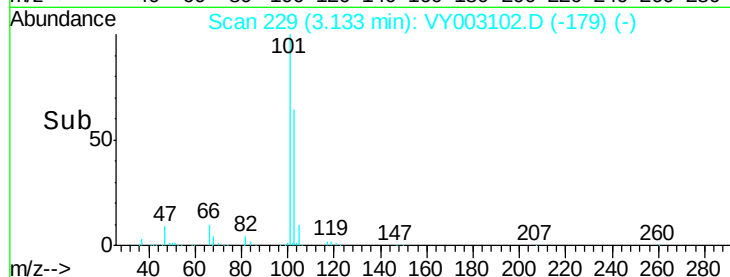
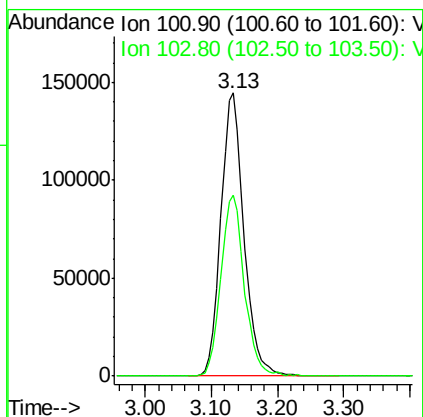
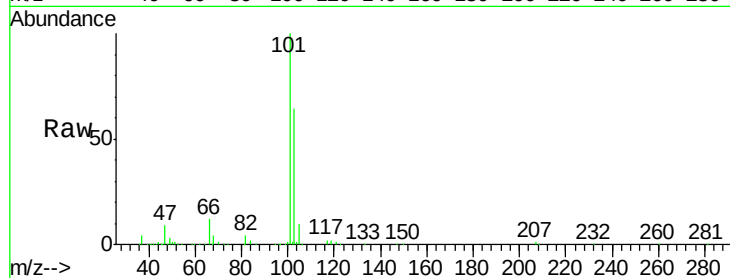
Trichlorofluoromethane
Concen: 49.707 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

Manual Integrations
APPROVED

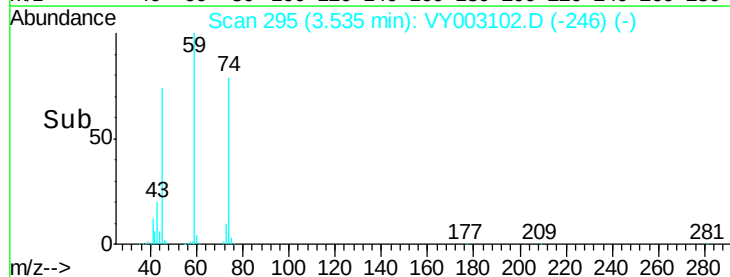
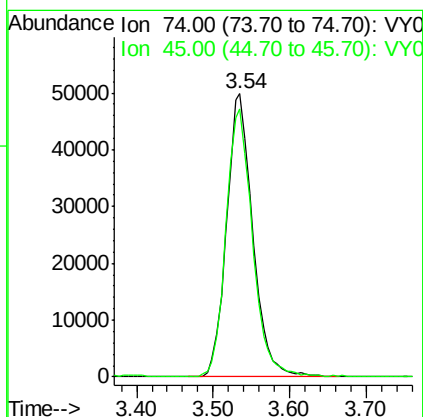
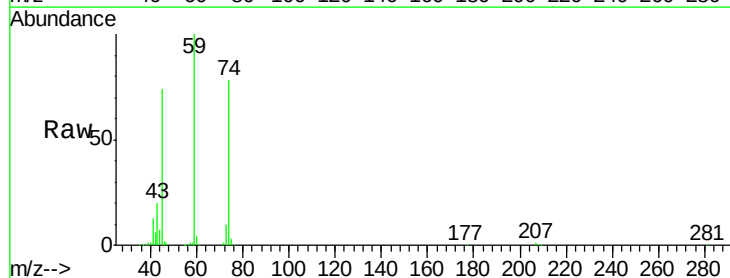
MMDadoda
7/7/2020 11:11:59 AM

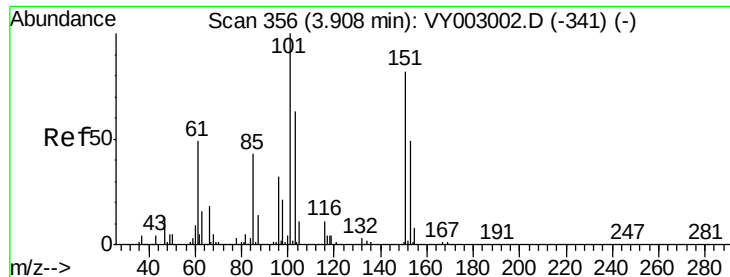


#8

Diethyl Ether
Concen: 49.050 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.486 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

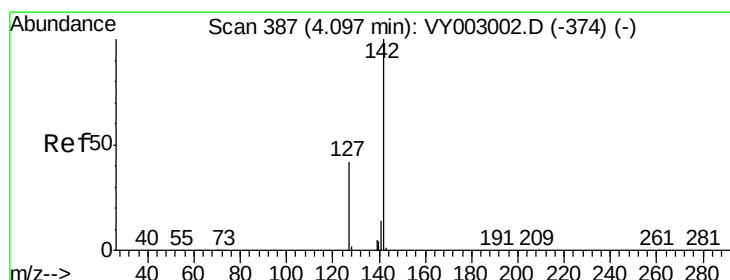
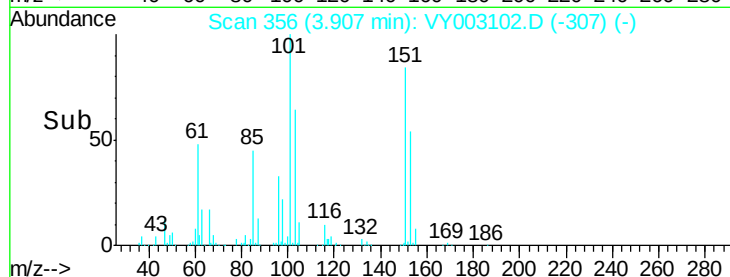
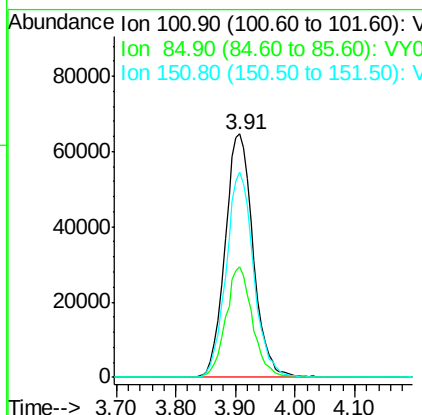
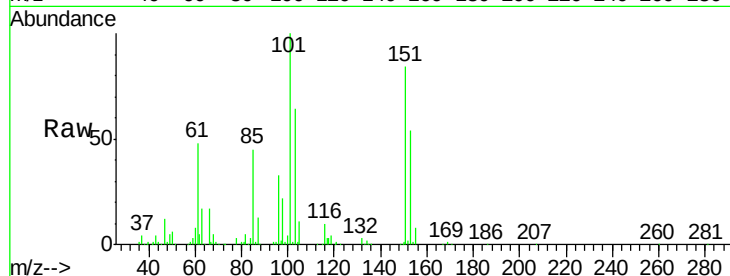
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	211814
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.5	53.3
151	82.8	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#10

Methyl Iodide

Concen: 50.168 ug/l

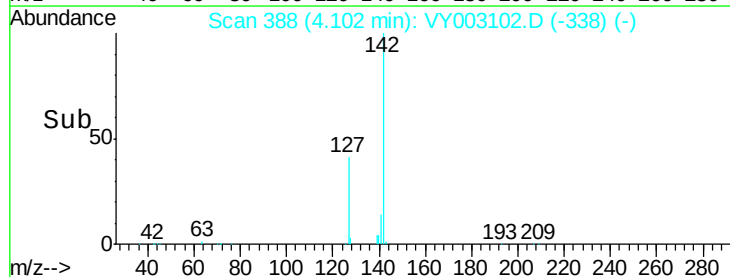
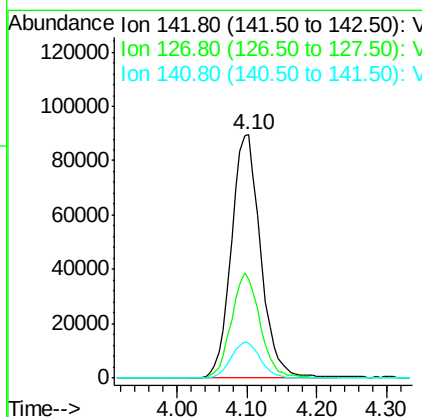
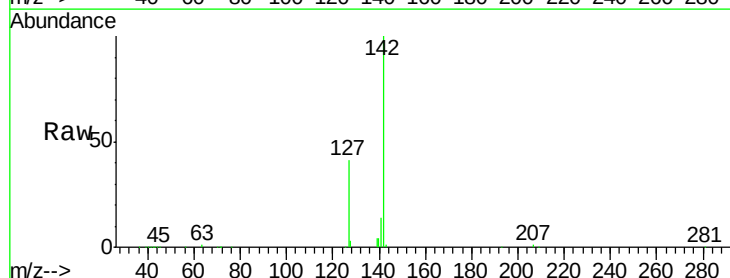
RT: 4.10 min Scan# 388

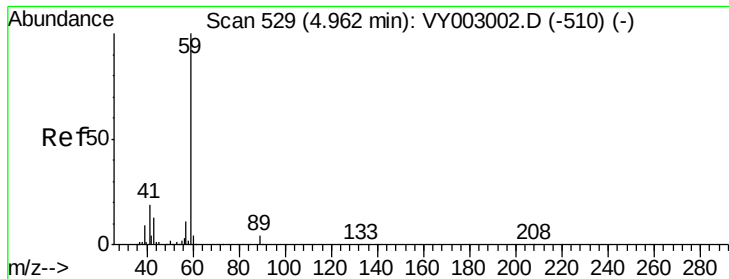
Delta R.T. 0.01 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	142	Resp:	260993
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.2	51.2
141	14.7	11.7	17.5





#11

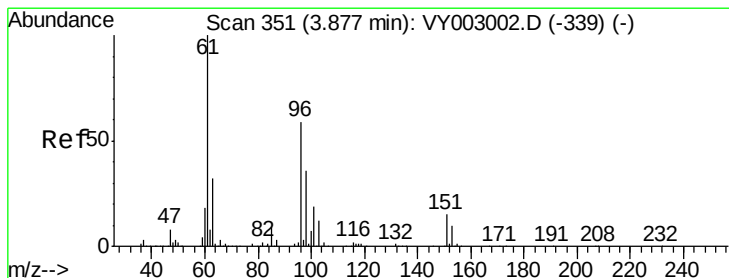
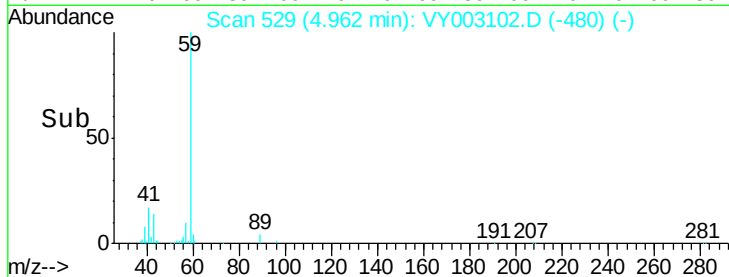
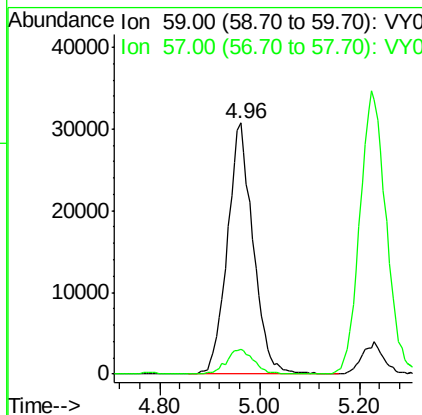
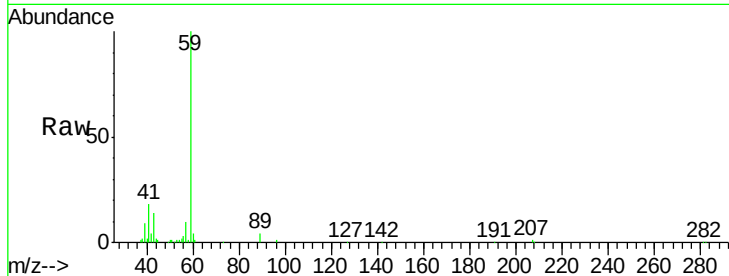
Tert butyl alcohol
 Concen: 236.140 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.0	12.0

Manual Integrations
 APPROVED

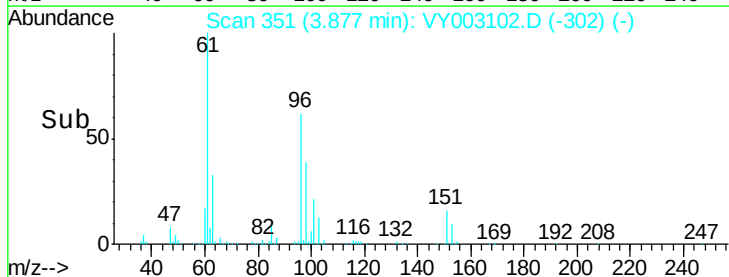
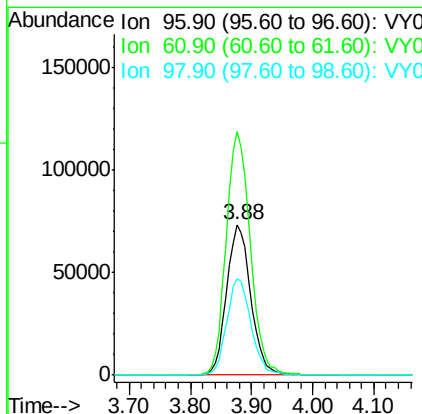
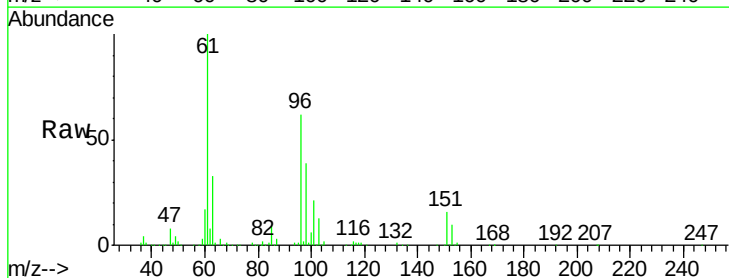
MMDadoda
 7/7/2020 11:11:59 AM

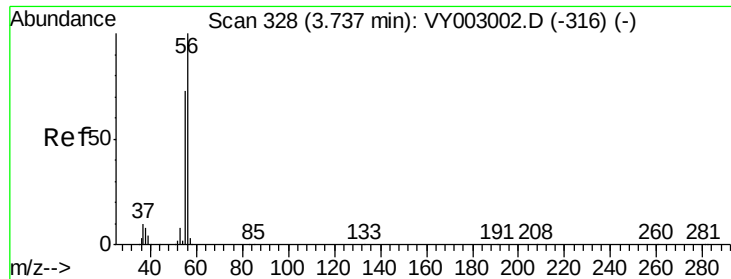


#12

1,1-Dichloroethene
 Concen: 49.725 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	136.7	205.1
98	63.9	49.7	74.5





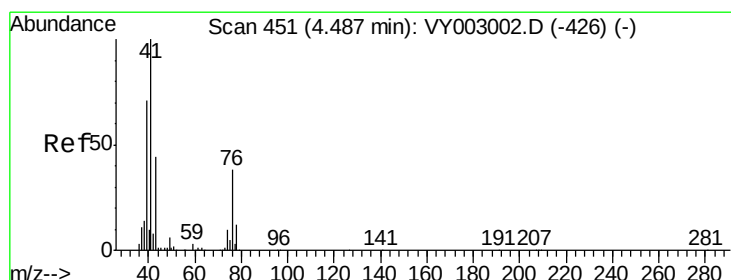
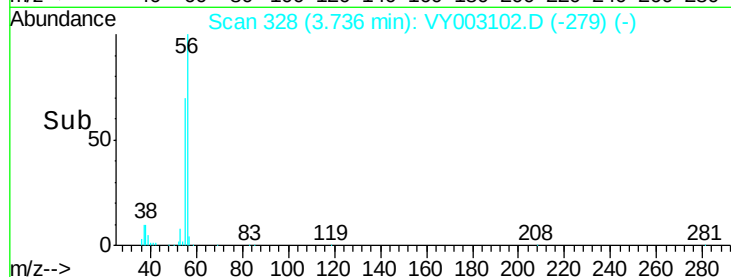
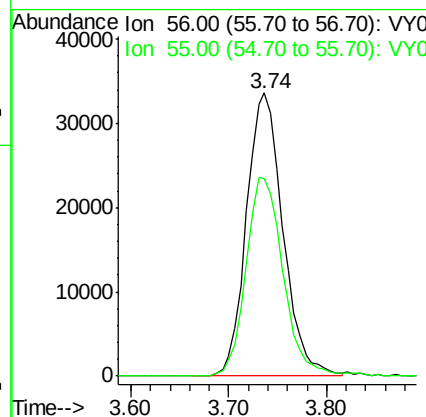
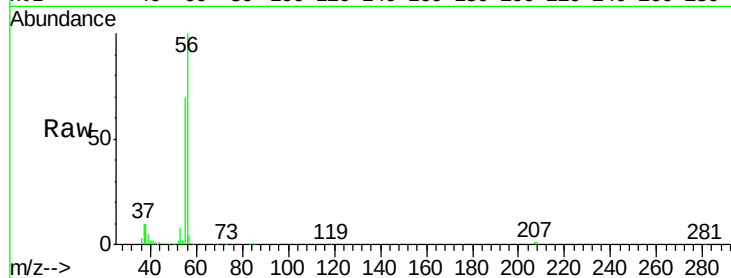
#13
Acrolein
Concen: 208.438 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	87203
Ion Ratio	100	Lower	Upper
55	72.0	56.4	84.6

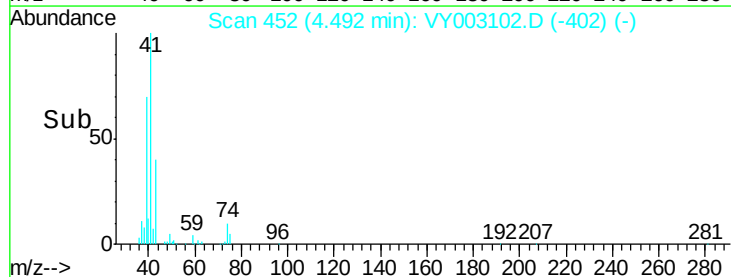
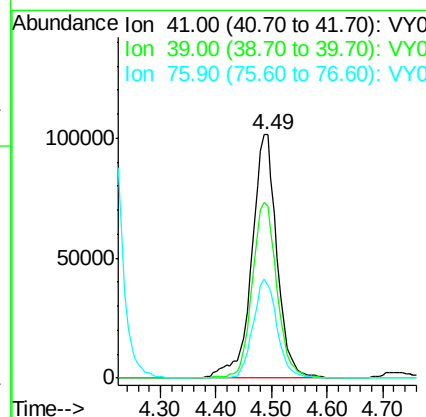
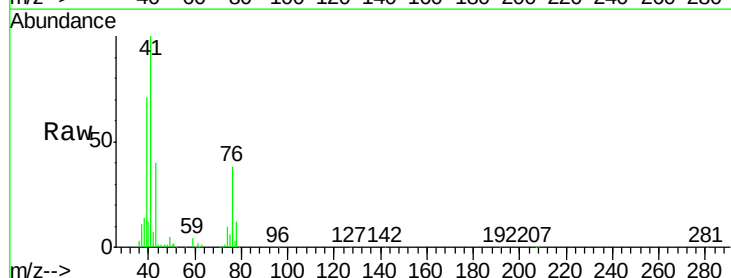
Manual Integrations
APPROVED

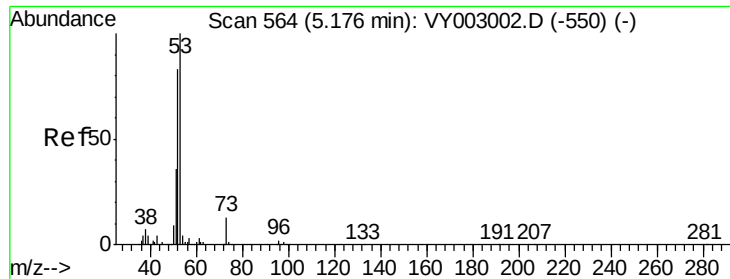
MMDadoda
7/7/2020 11:11:59 AM



#14
Allyl chloride
Concen: 45.952 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	41	Resp	320273
Ion Ratio	100	Lower	Upper
39	70.5	55.6	83.4
76	38.6	28.6	43.0





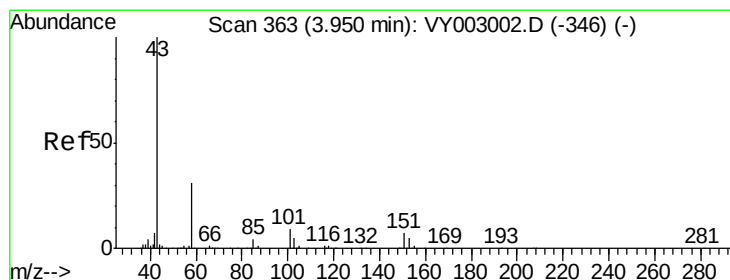
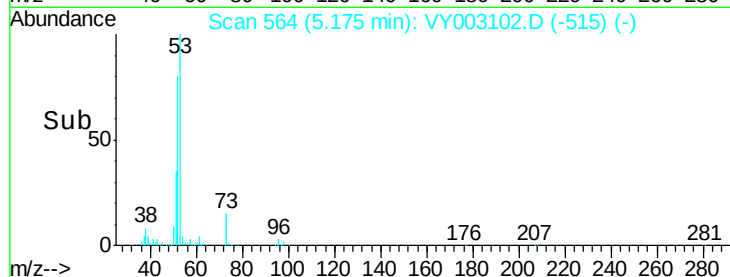
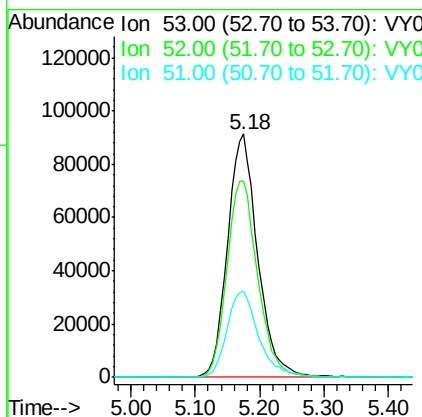
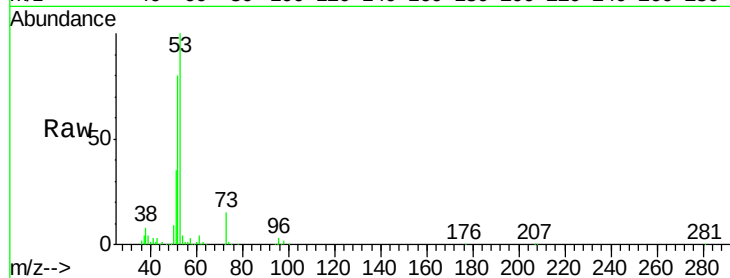
#15
 Acrylonitrile
 Concen: 240.701 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		298822		
52	82.3	66.2	99.2		
51	37.2	29.5	44.3		

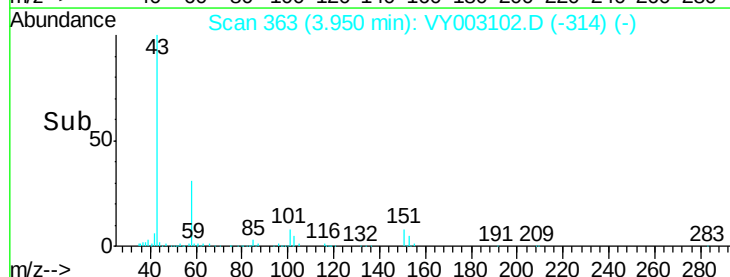
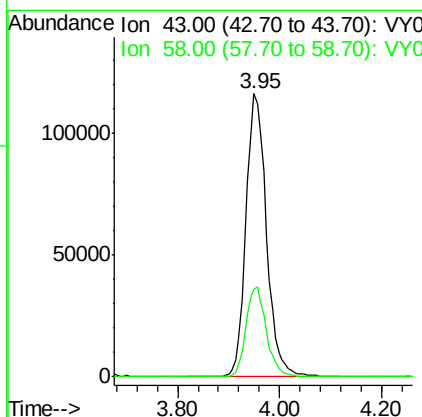
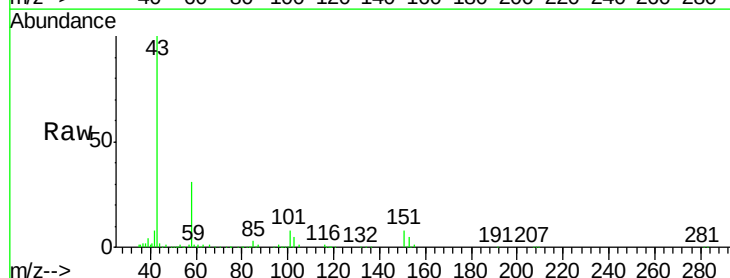
Manual Integrations
 APPROVED

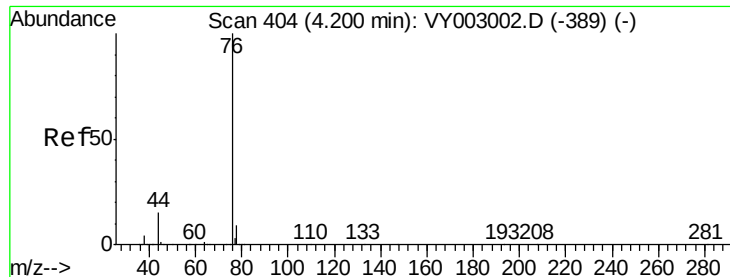
MMDadoda
 7/7/2020 11:11:59 AM



#16
 Acetone
 Concen: 302.082 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		325642		
58	30.9	24.7	37.1		





#17

Carbon Disulfide

Concen: 47.352 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 603939

Ion Ratio Lower Upper

76 100

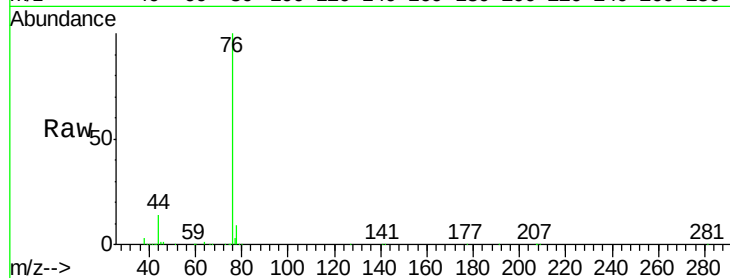
78 9.3 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

7/7/2020 11:11:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

250000

200000

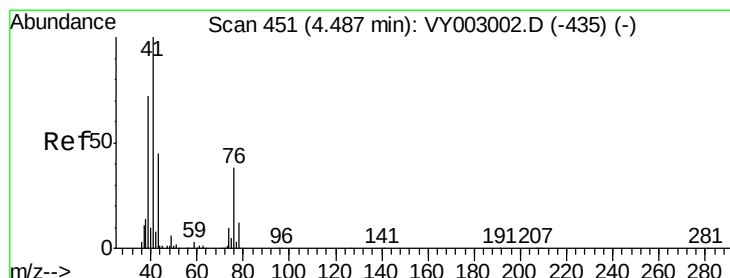
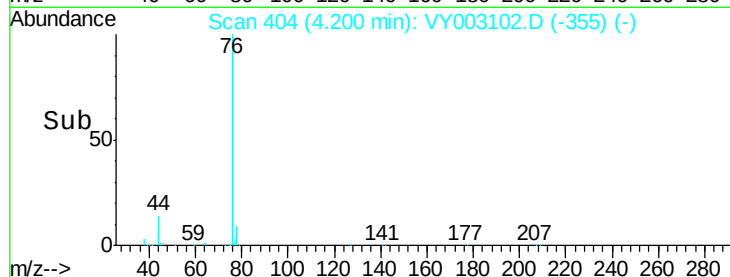
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.729 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003102.D

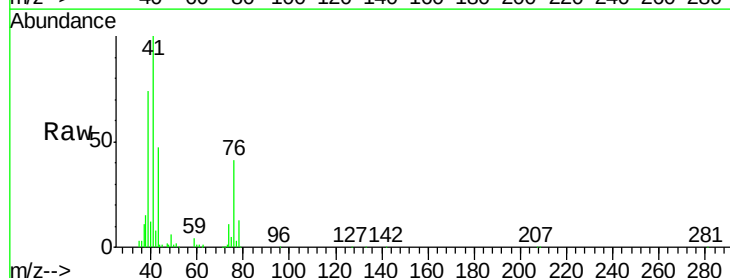
Acq: 06 Jul 2020 10:10

Tgt Ion: 43 Resp: 132809

Ion Ratio Lower Upper

43 100

74 24.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

50000

40000

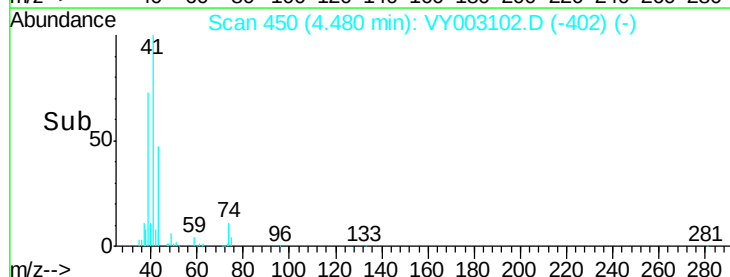
30000

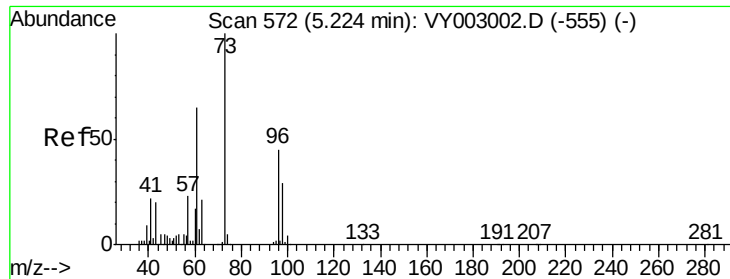
20000

10000

0

Time-->





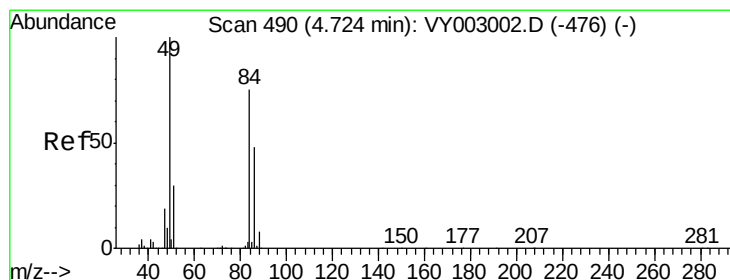
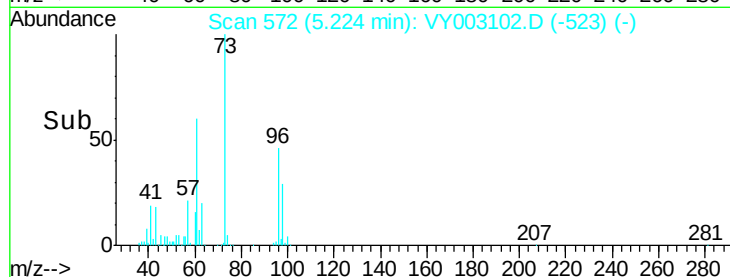
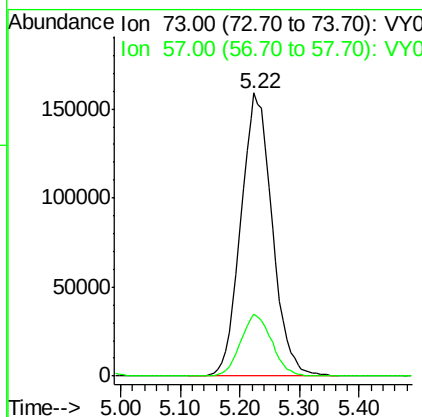
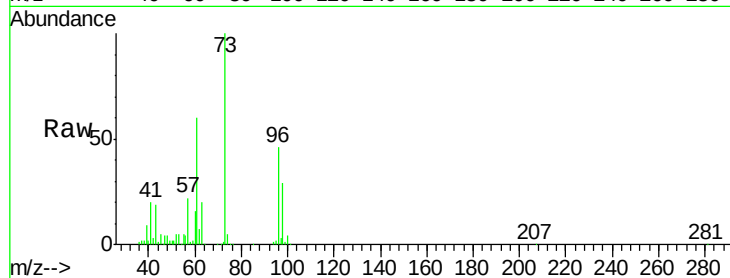
#19
Methyl tert-butyl Ether
Concen: 49.857 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.2	27.2

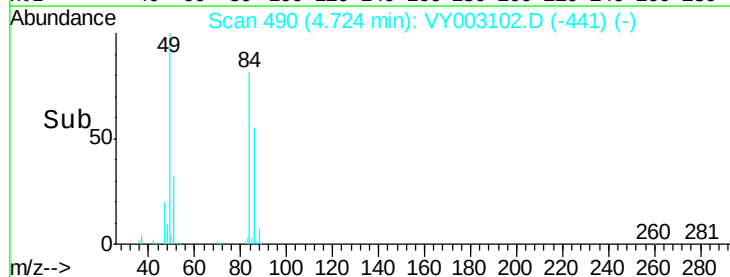
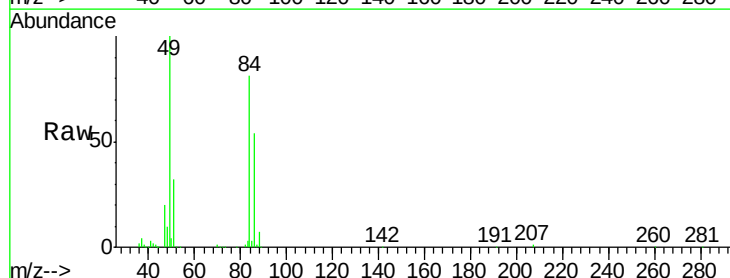
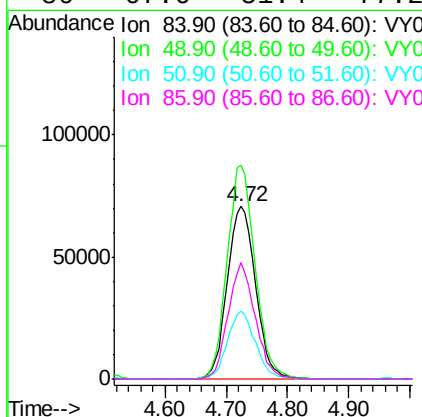
Manual Integrations
APPROVED

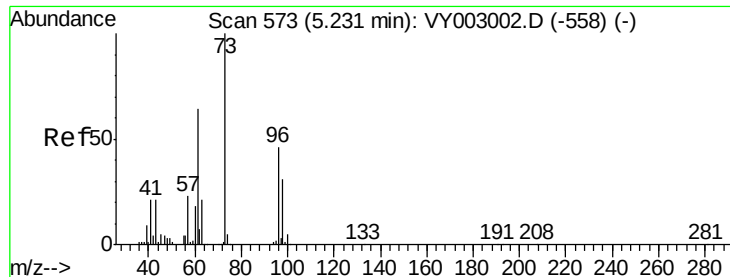
MMDadoda
7/7/2020 11:11:59 AM



#20
Methylene Chloride
Concen: 46.533 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	106.8	160.2
51	39.5	32.0	48.0
86	67.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 49.824 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

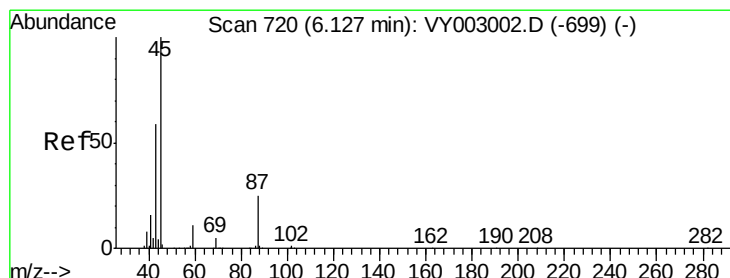
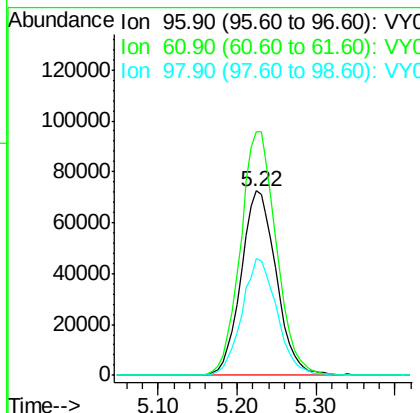
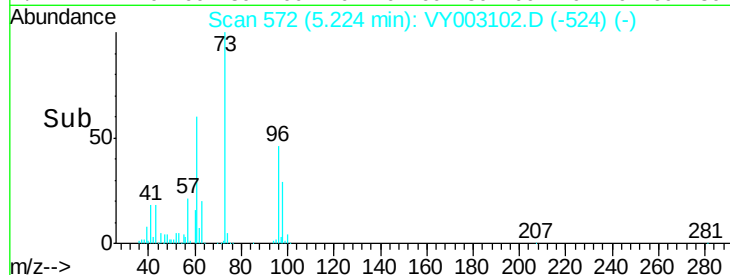
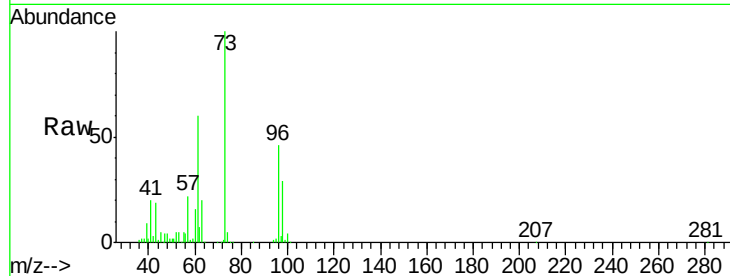
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	224977
Ion	Ratio	Lower	Upper
96	100		
61	132.0	112.3	168.5
98	63.7	53.8	80.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#22

Diisopropyl ether

Concen: 47.702 ug/l

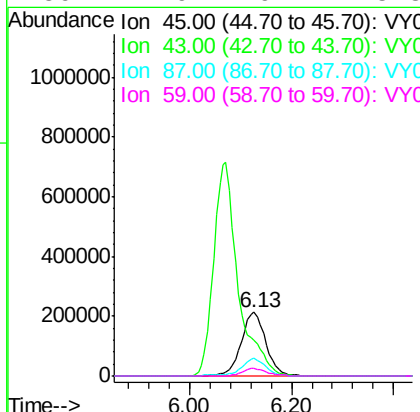
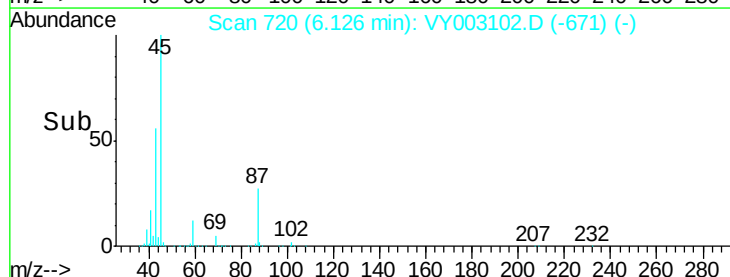
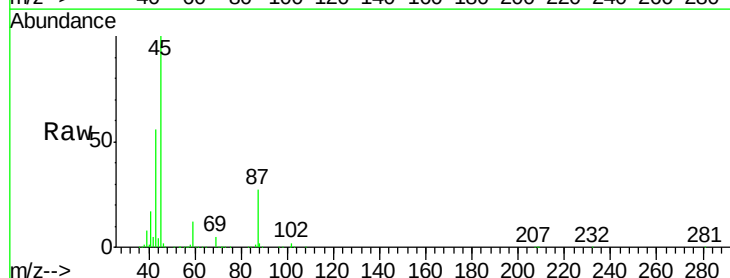
RT: 6.13 min Scan# 720

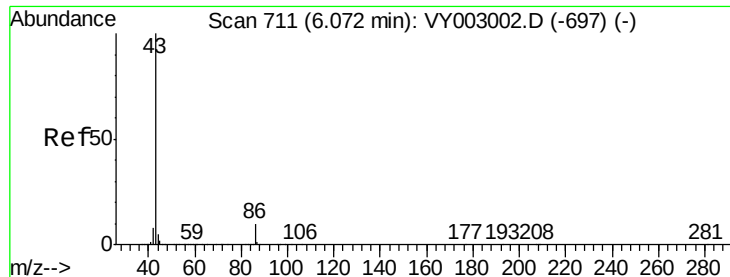
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	45	Resp:	712586
Ion	Ratio	Lower	Upper
45	100		
43	55.6	47.4	71.2
87	27.3	20.2	30.2
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 238.459 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tot Ion: 43 Resp: 2381538

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1

Instrument :

MSVOA_Y

ClientSampleId :

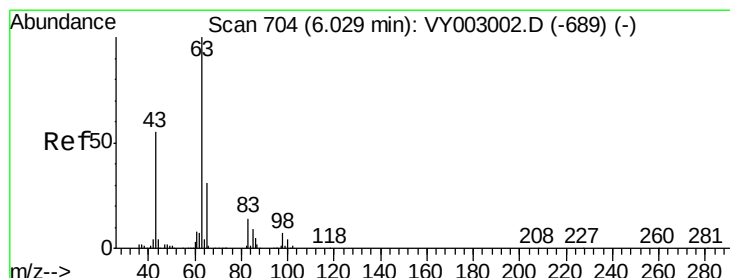
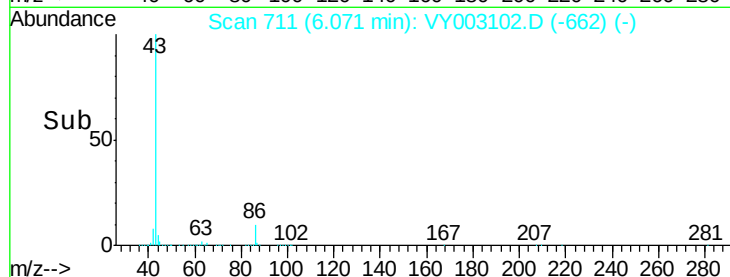
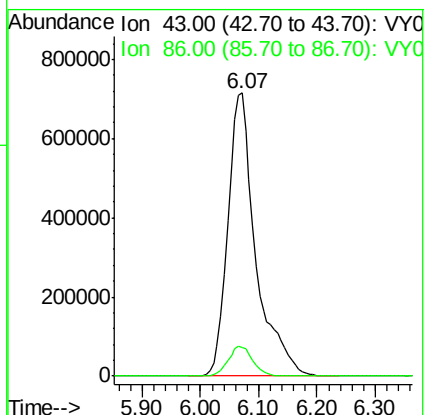
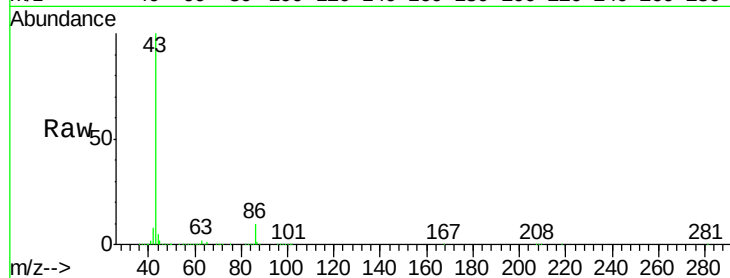
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#24

1,1-Dichloroethane

Concen: 48.676 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

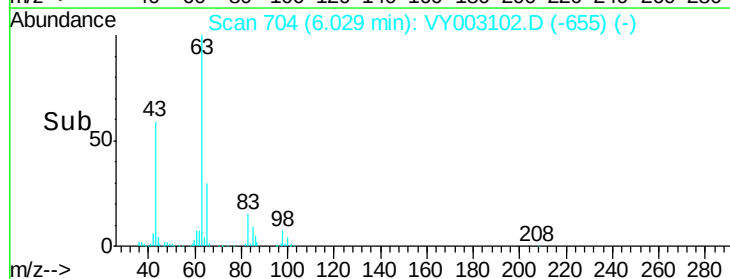
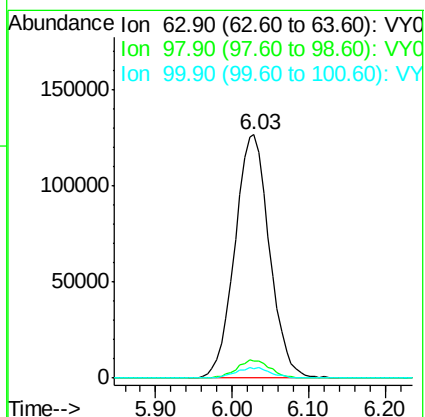
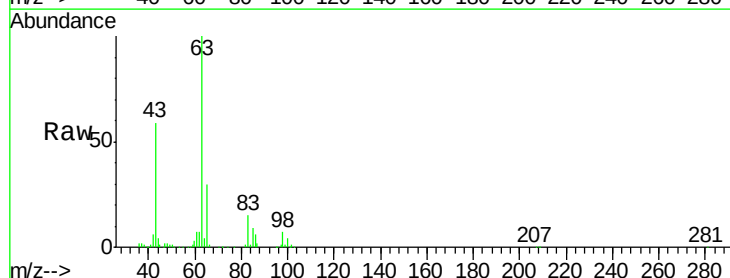
Tgt Ion: 63 Resp: 397200

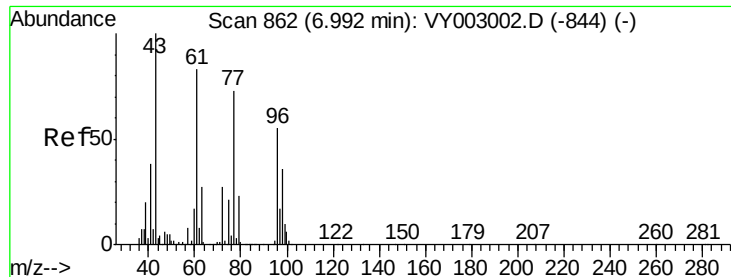
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 258.043 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 441872

Ion Ratio Lower Upper

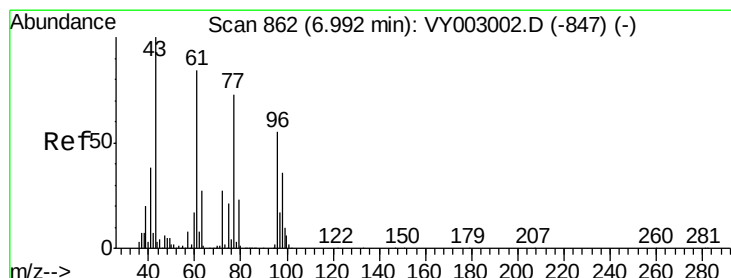
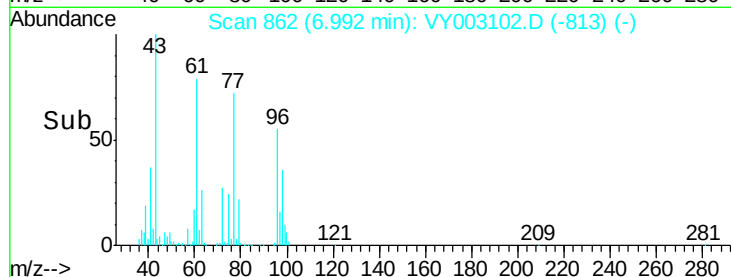
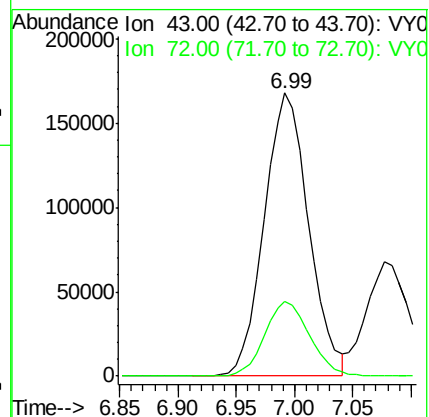
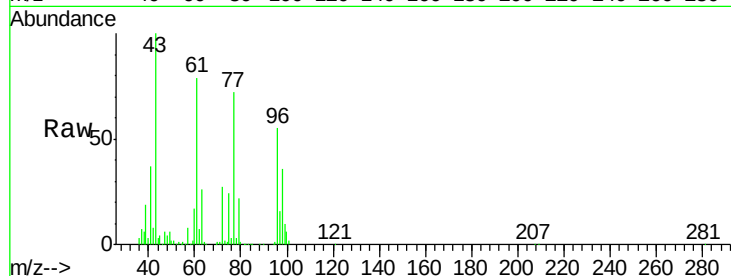
43 100

72 26.6 21.4 32.0

Manual Integrations
APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#26

2,2-Dichloropropane

Concen: 49.132 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003102.D

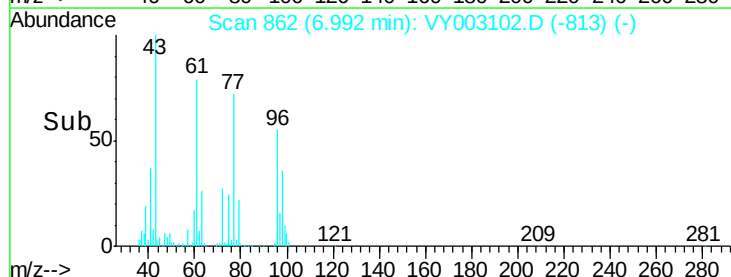
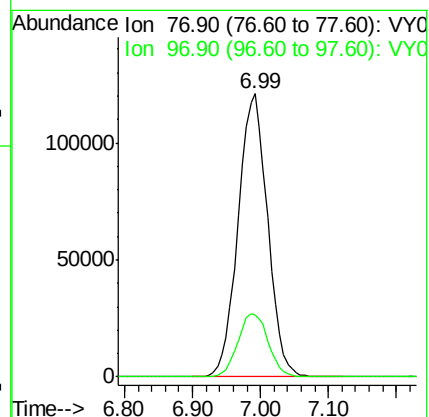
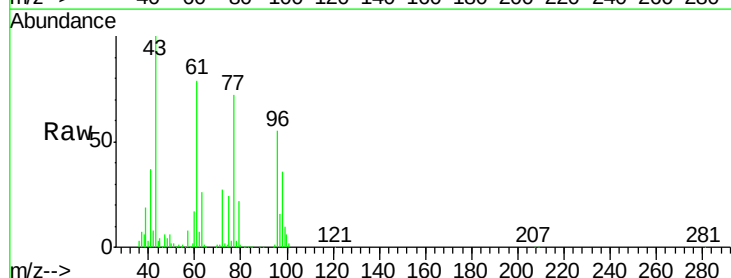
Acq: 06 Jul 2020 10:10

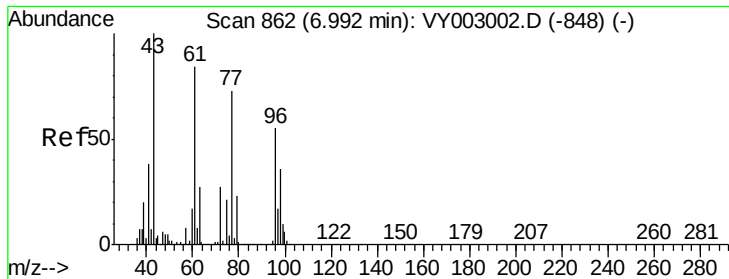
Tgt Ion: 77 Resp: 364257

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

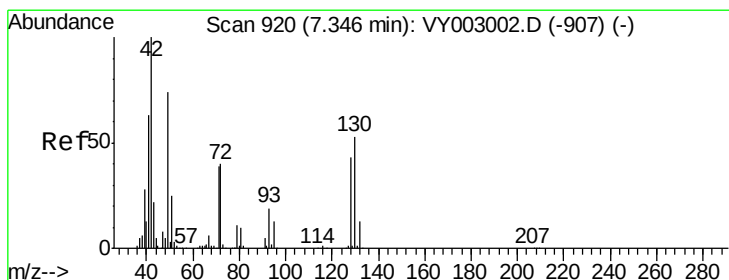
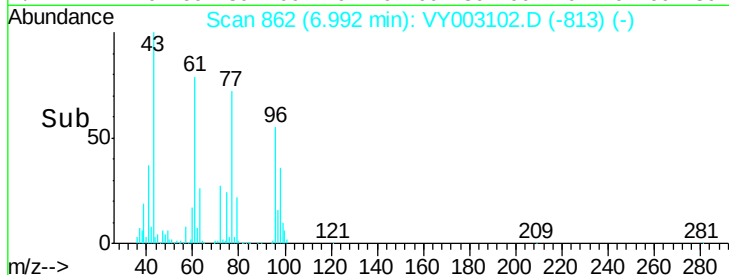
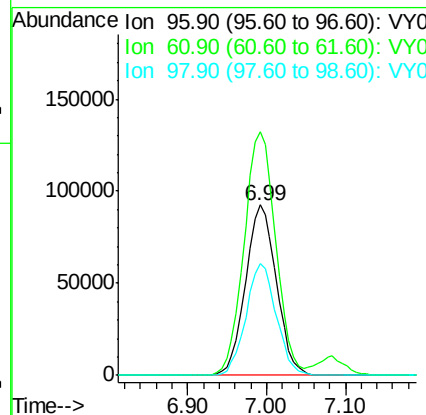
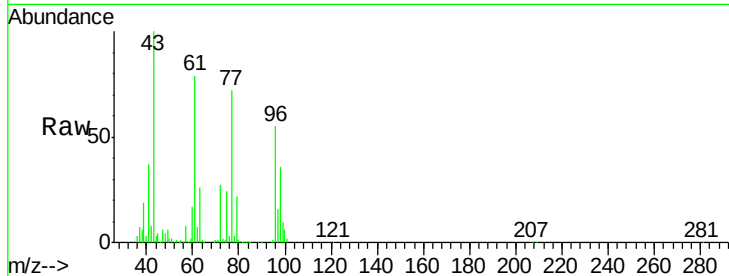
cis-1,2-Dichloroethene
Concen: 49.620 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251306		
61	146.8	0.0	301.2	
98	64.5	0.0	129.0	

Manual Integrations
APPROVED

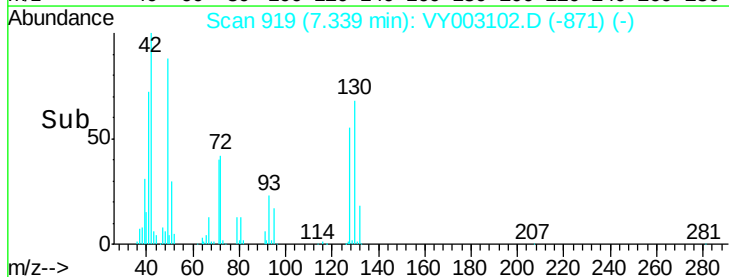
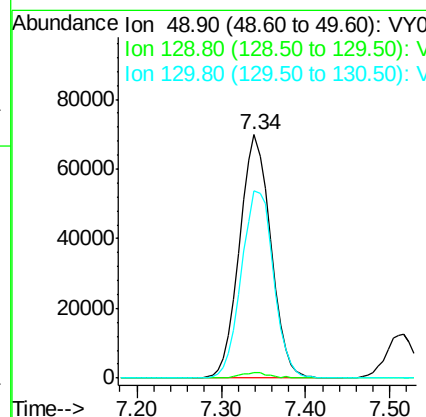
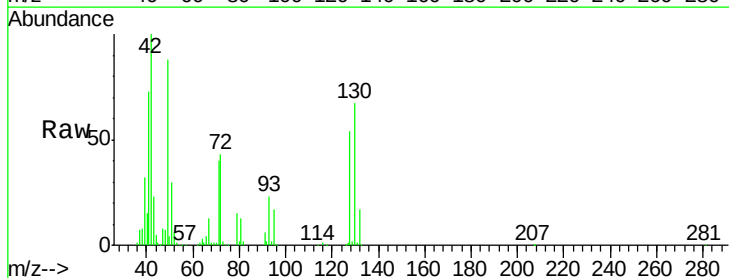
MMDadoda
7/7/2020 11:11:59 AM

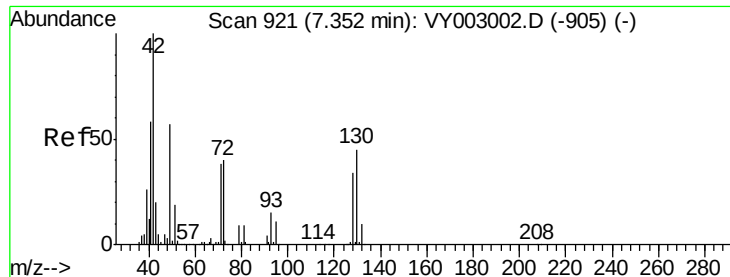


#28

Bromochloromethane
Concen: 48.120 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	174712		
129	2.3	0.0	4.4	
130	79.6	57.0	85.6	





#29

Tetrahydrofuran

Concen: 232.891 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

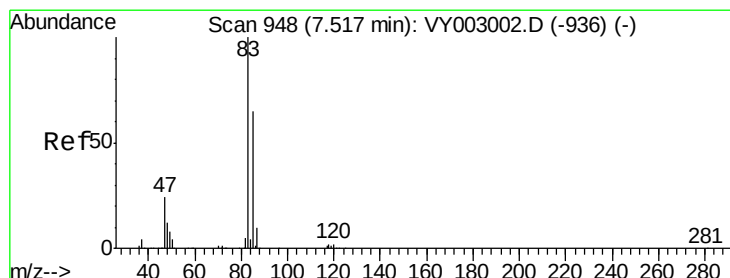
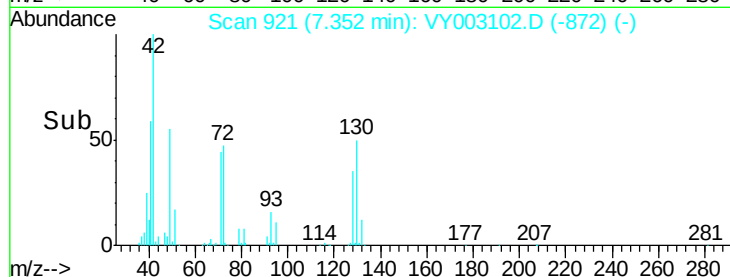
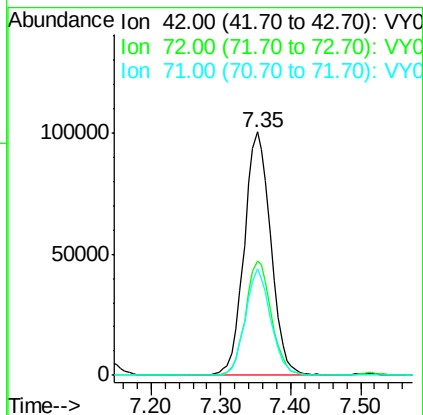
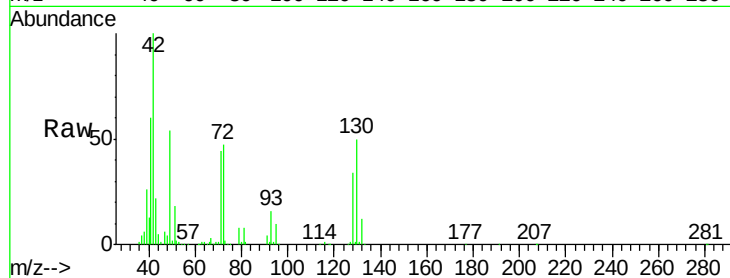
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	32.9	49.3
71	41.8	31.2	46.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#30

Chloroform

Concen: 49.557 ug/l

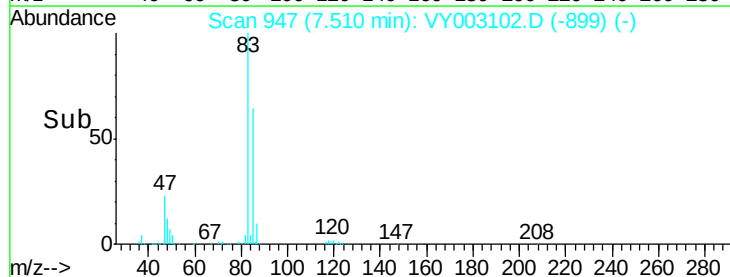
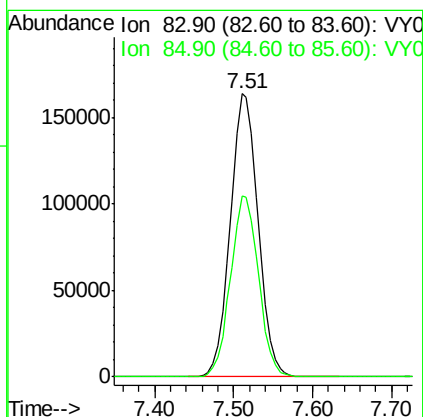
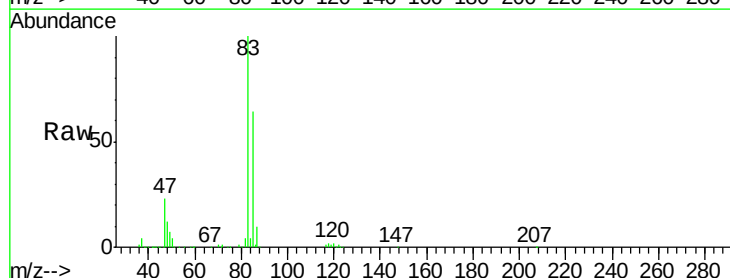
RT: 7.51 min Scan# 947

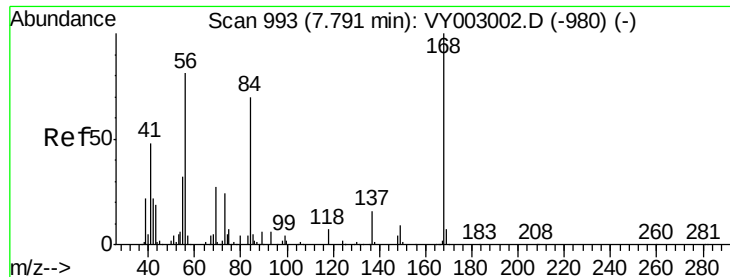
Delta R.T. -0.01 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5





#31

Cyclohexane

Concen: 45.326 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

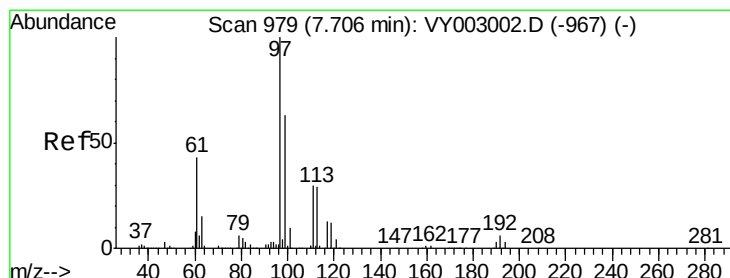
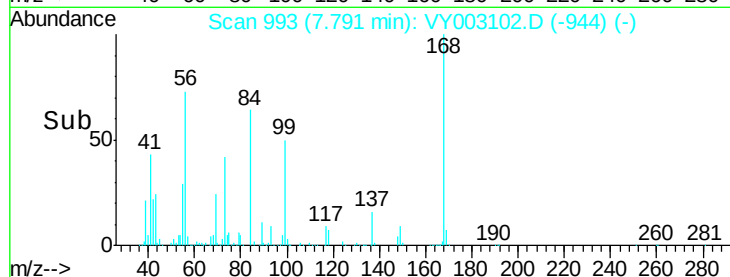
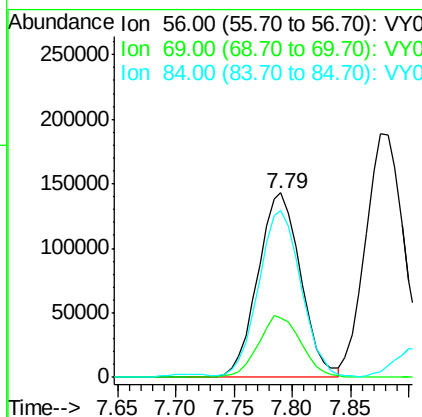
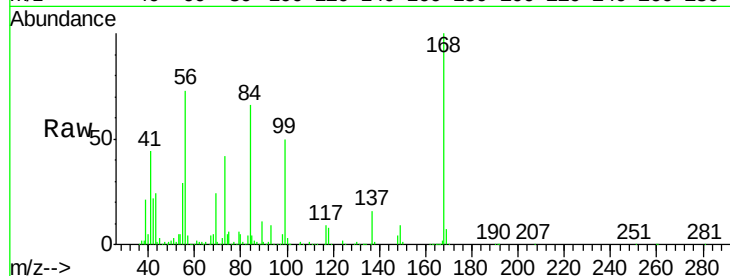
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	364365
Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.4
84	88.6	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#32

1,1,1-Trichloroethane

Concen: 49.199 ug/l

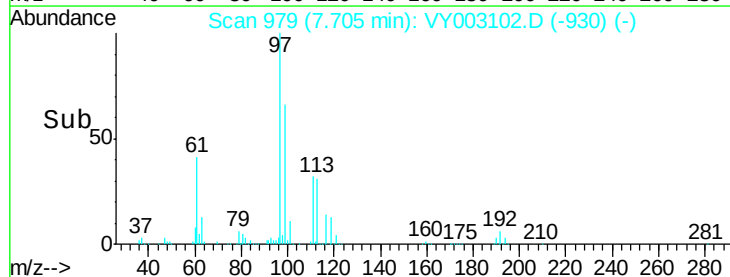
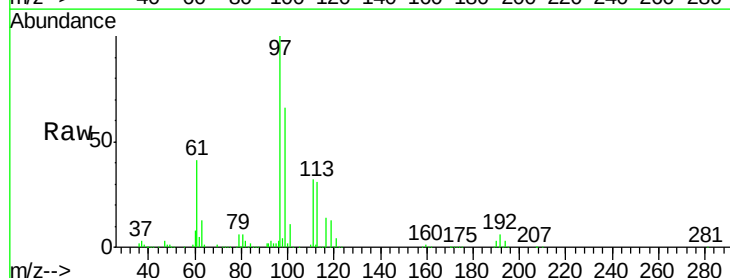
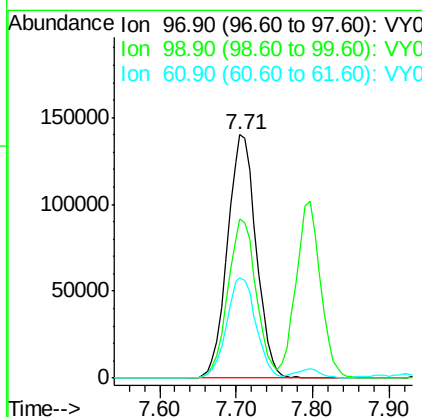
RT: 7.71 min Scan# 979

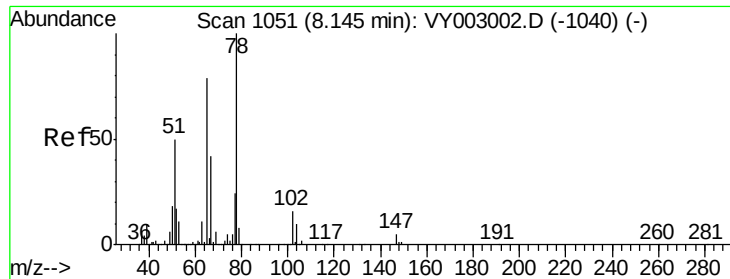
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	97	Resp:	363047
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	41.9	33.9	50.9





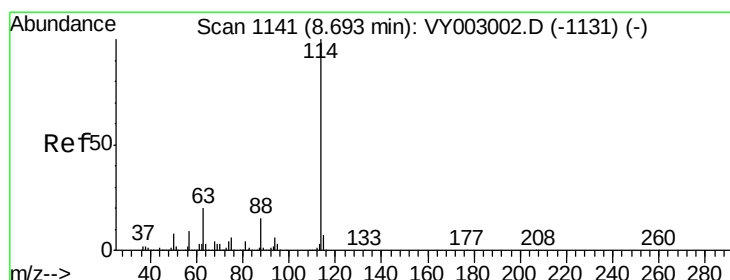
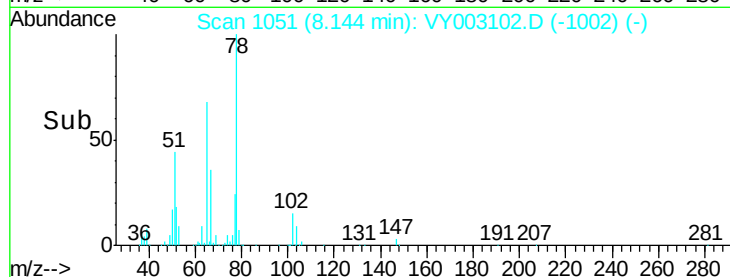
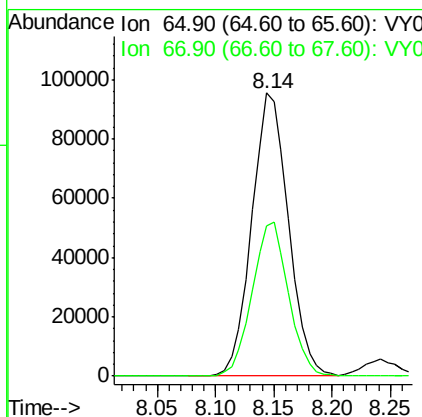
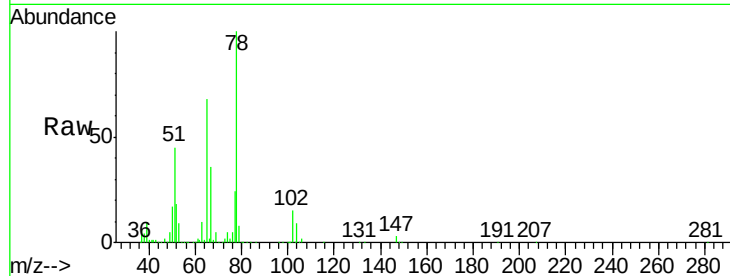
#33
 1,2-Dichloroethane-d4
 Concen: 45.814 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209401		
67	54.1	0.0	105.6	

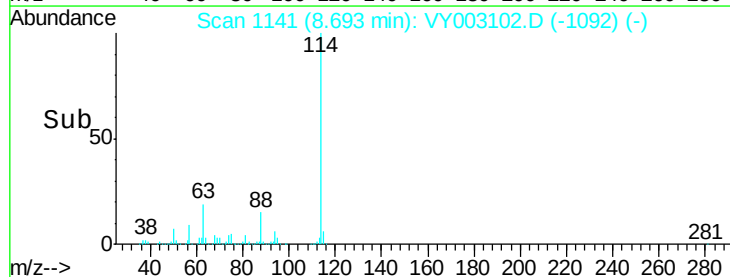
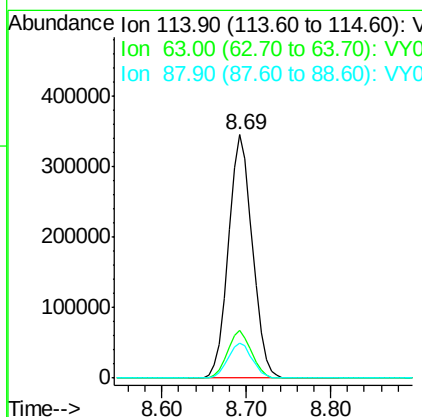
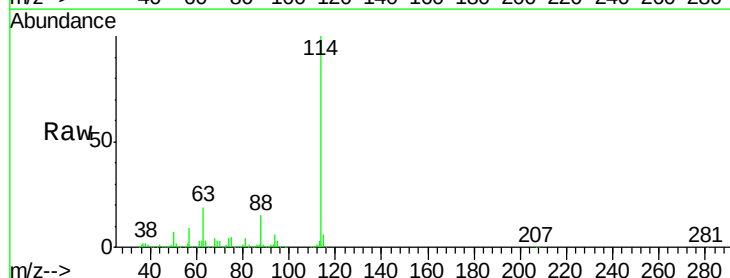
Manual Integrations
 APPROVED

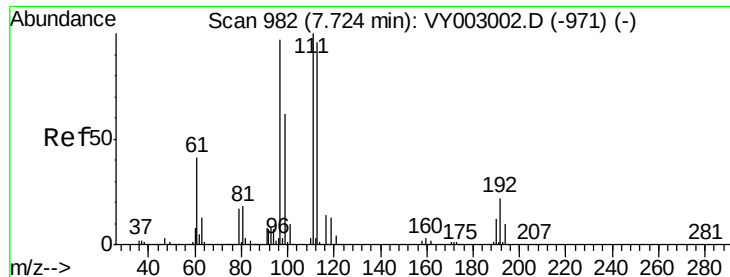
MMDadoda
 7/7/2020 11:11:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	664618		
63	19.4	0.0	40.6	
88	14.6	0.0	30.0	





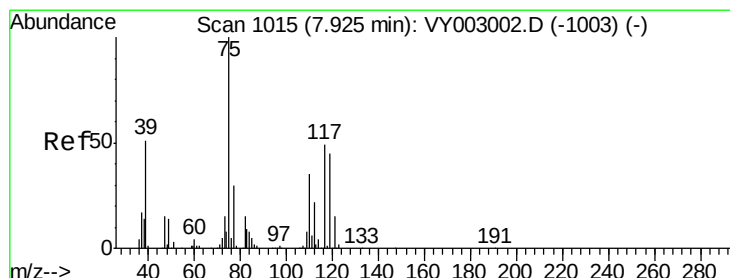
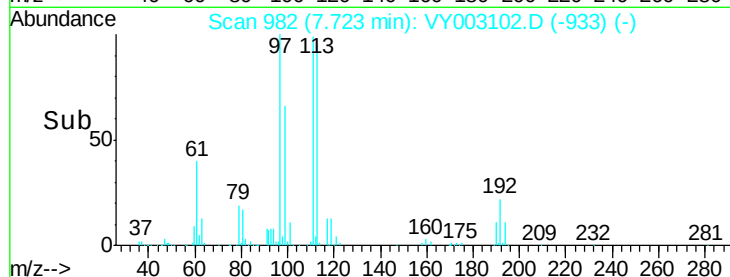
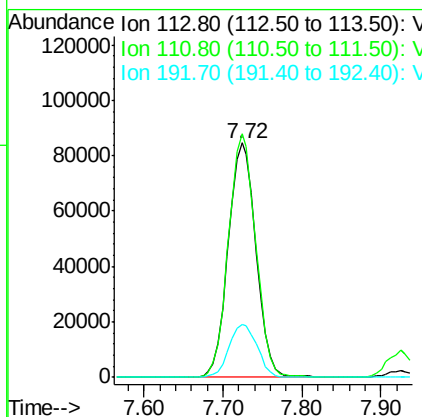
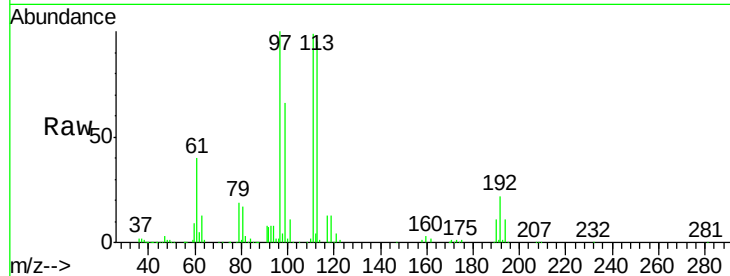
#35
 Dibromofluoromethane
 Concen: 49.831 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206600		
111	102.3		82.6	123.8
192	22.9		18.1	27.1

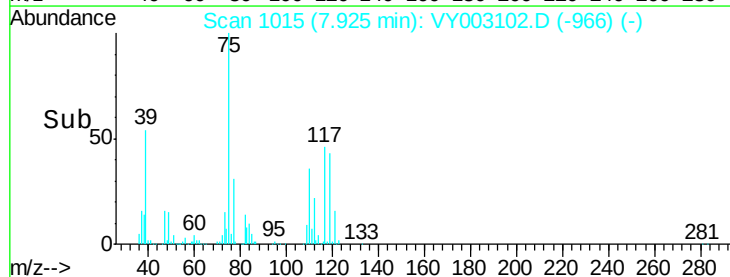
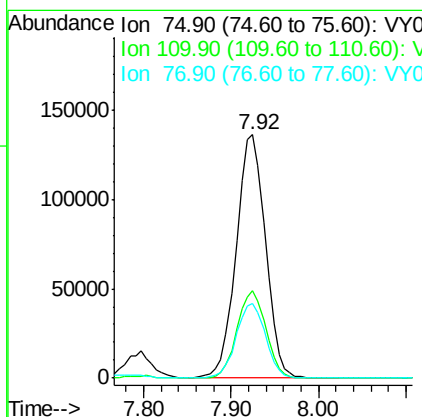
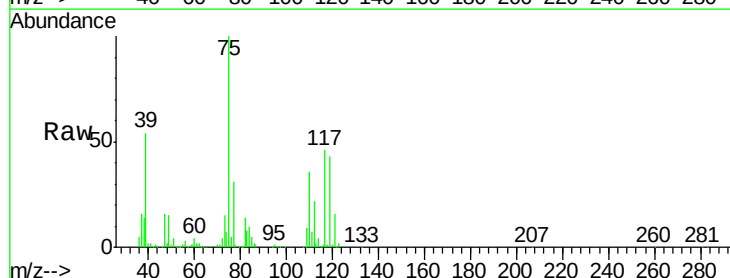
Manual Integrations
 APPROVED

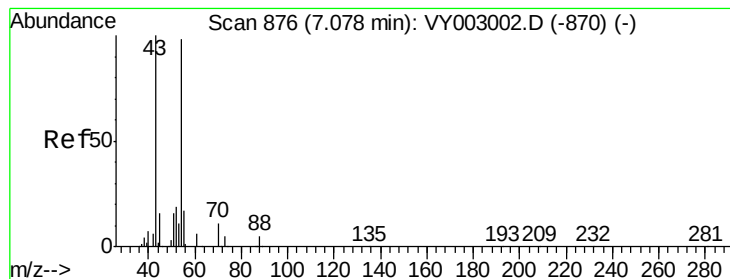
MMDadoda
 7/7/2020 11:11:59 AM



#36
 1,1-Dichloropropene
 Concen: 49.533 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	317102		
110	35.5		17.1	51.2
77	30.9		24.9	37.3





#37

Ethyl Acetate

Concen: 46.846 ug/l

RT: 7.08 min Scan# 876

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

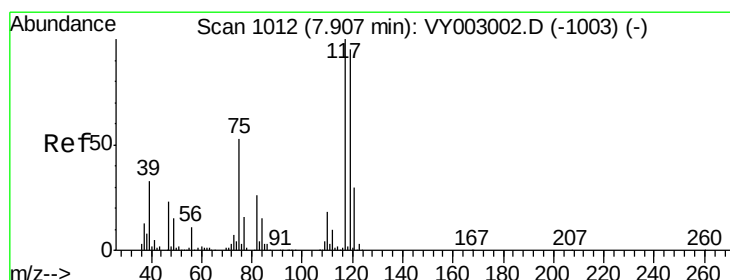
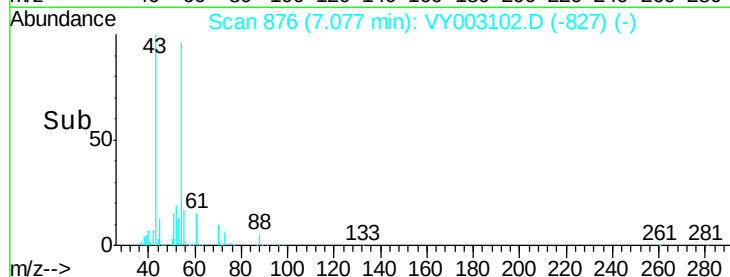
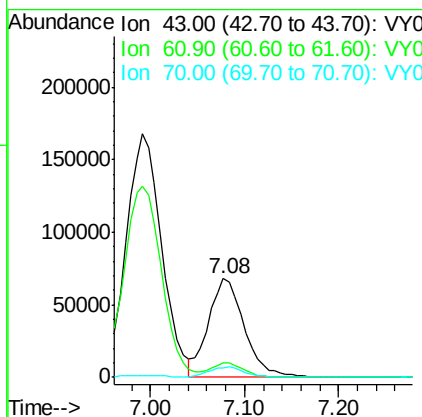
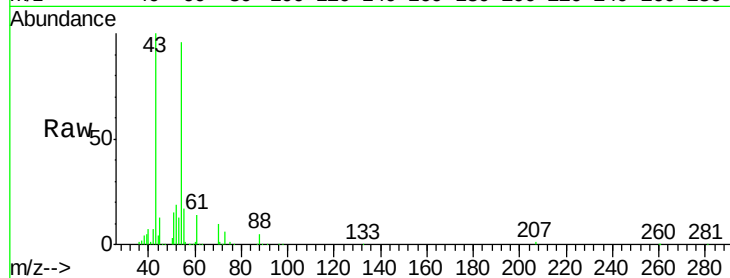
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	180317
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	10.1	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#38

Carbon Tetrachloride

Concen: 50.237 ug/l

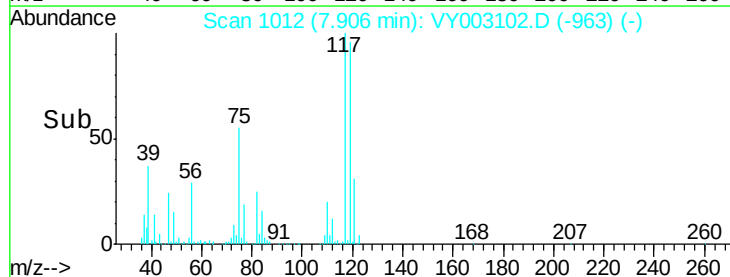
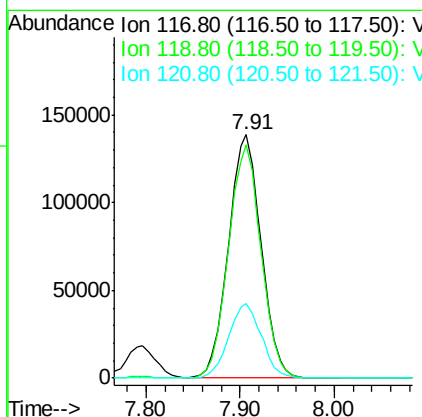
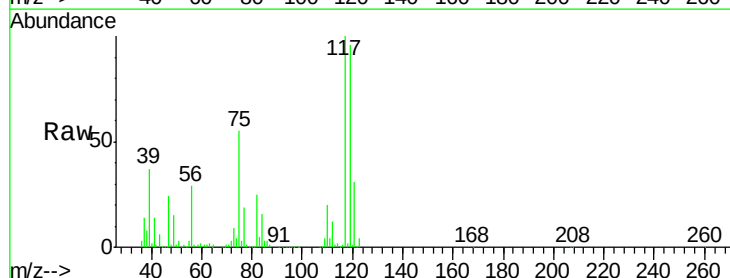
RT: 7.91 min Scan# 1012

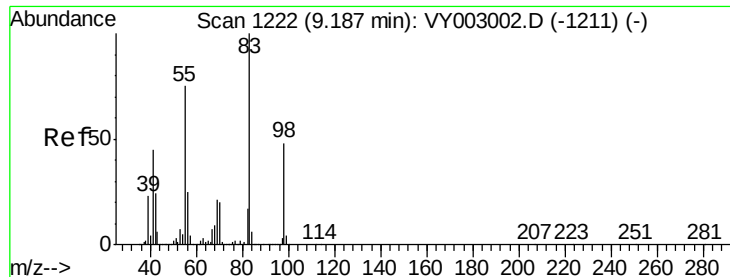
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	117	Resp:	334616
Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.7	113.5
121	30.9	23.9	35.9





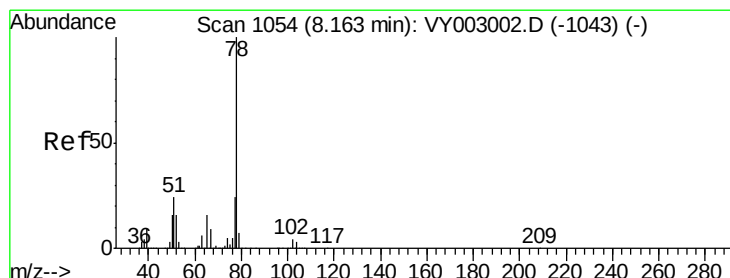
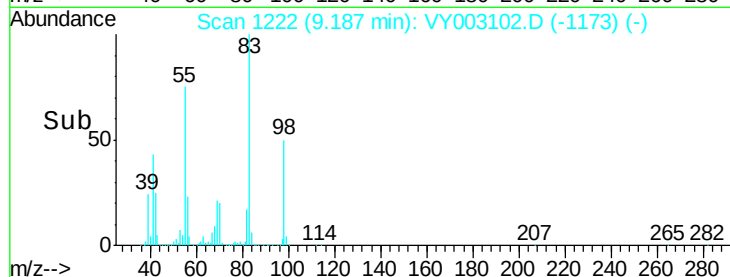
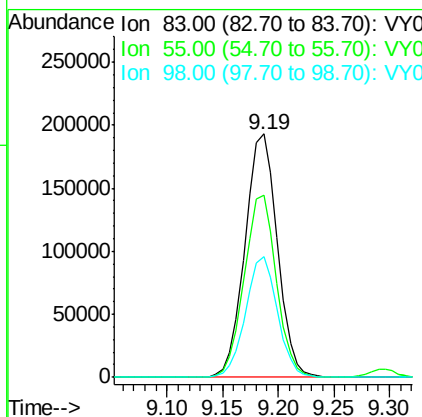
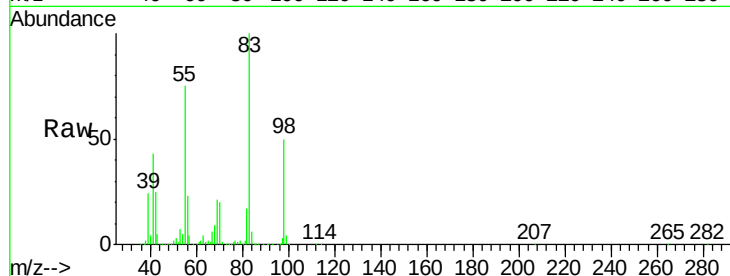
#39
Methylvlcyclohexane
Concen: 49.560 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.9	89.9
98	49.6	38.7	58.1

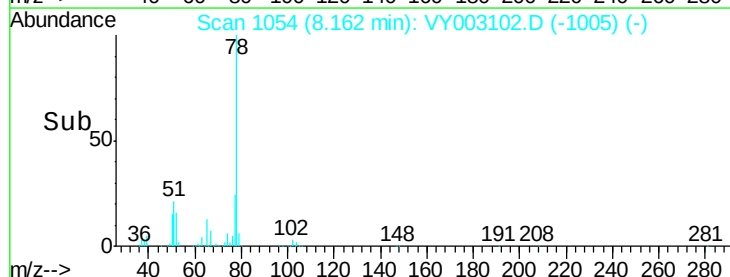
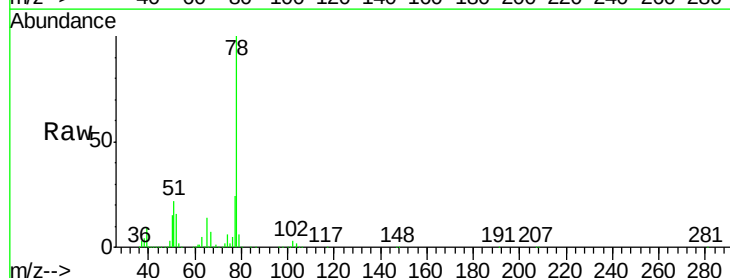
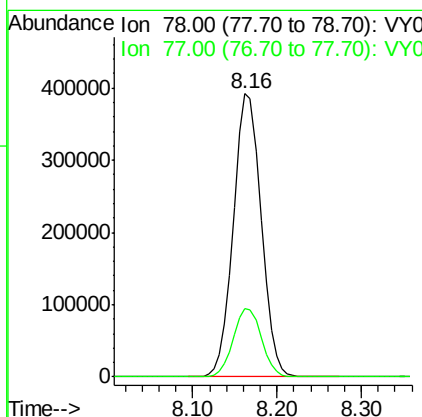
Manual Integrations
APPROVED

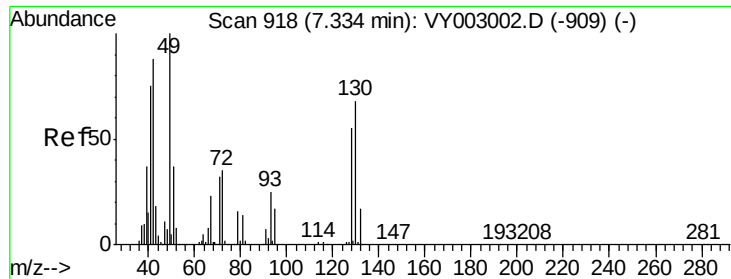
MMDadoda
7/7/2020 11:11:59 AM



#40
Benzene
Concen: 49.791 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





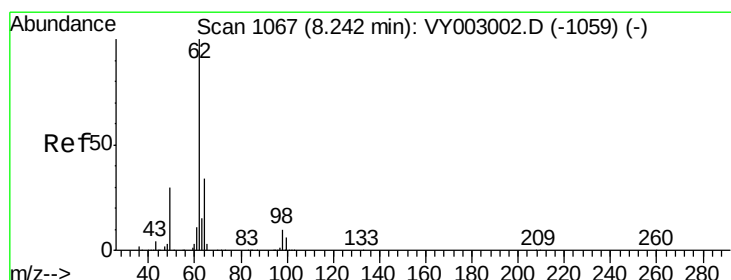
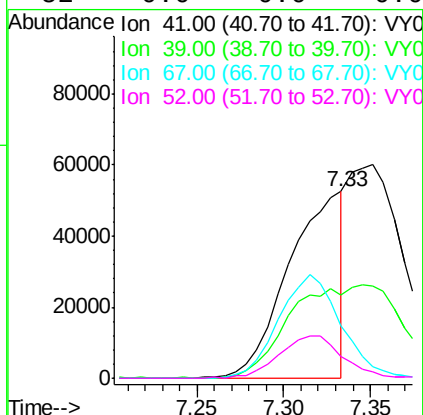
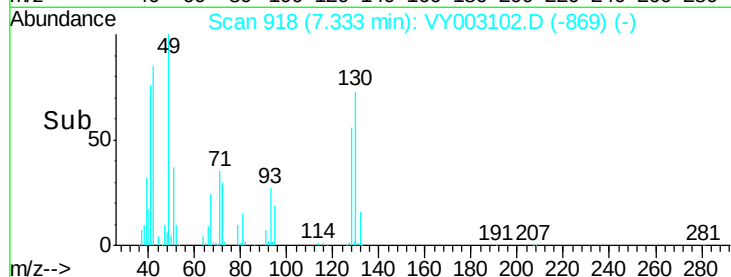
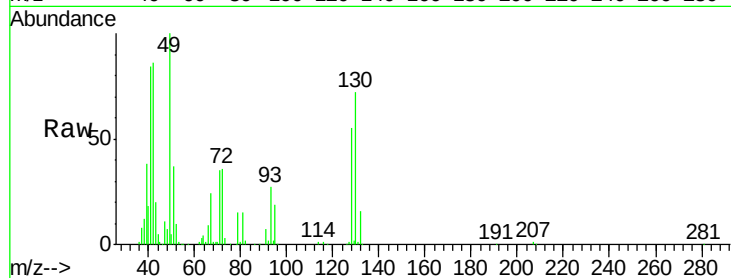
#41
Methacrylonitrile
Concen: 56.599 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	116376
Ion	Ratio	Lower	Upper
41	100		
39	100.1	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

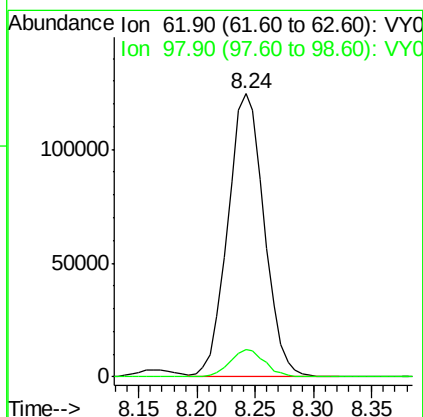
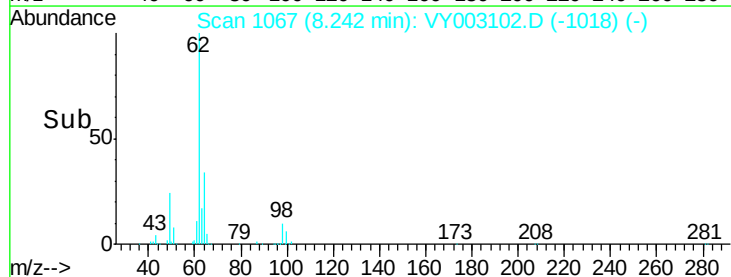
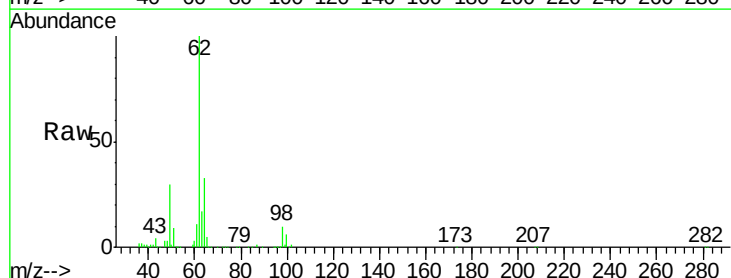
Manual Integrations
APPROVED

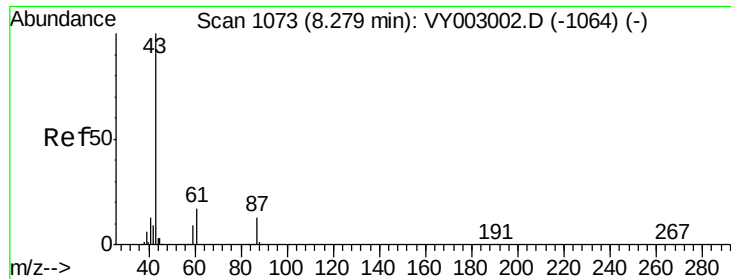
MMDadoda
7/7/2020 11:11:59 AM



#42
1,2-Dichloroethane
Concen: 48.778 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	62	Resp	270457
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 48.011 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

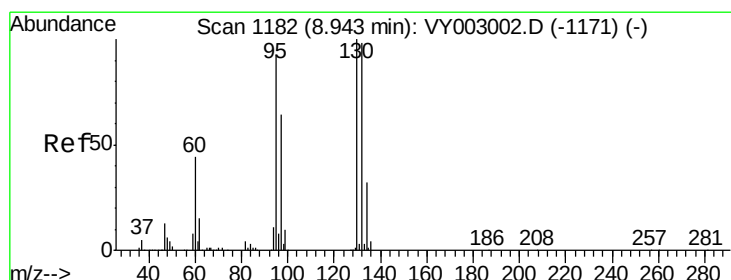
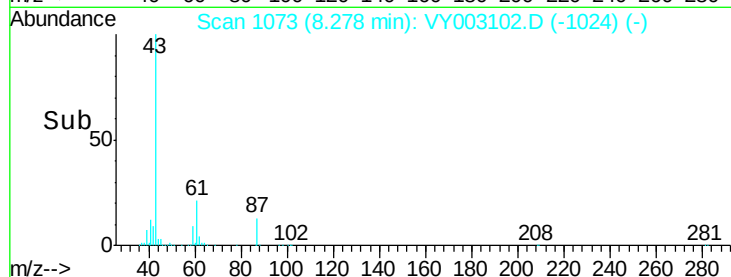
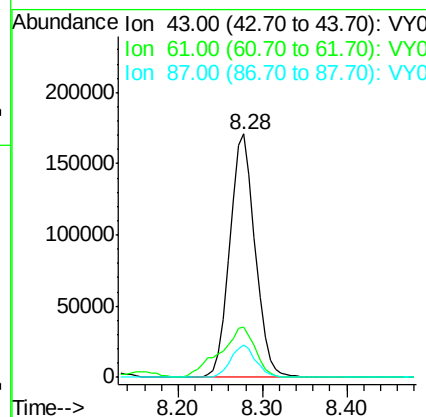
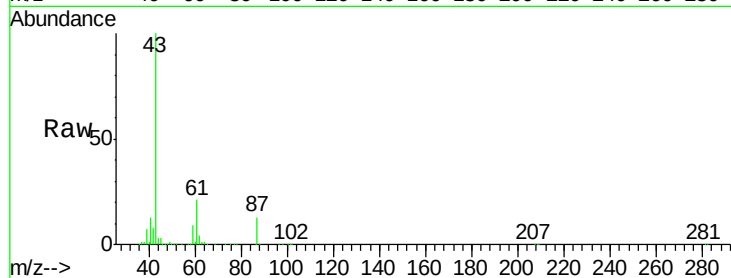
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	351319
Ion	Ratio	Lower	Upper
43	100		
61	28.8	21.8	32.6
87	13.0	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#44

Trichloroethene

Concen: 51.248 ug/l

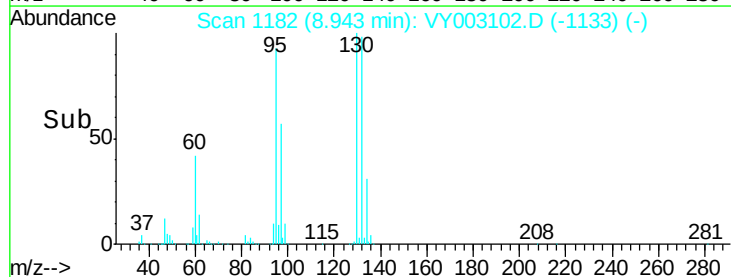
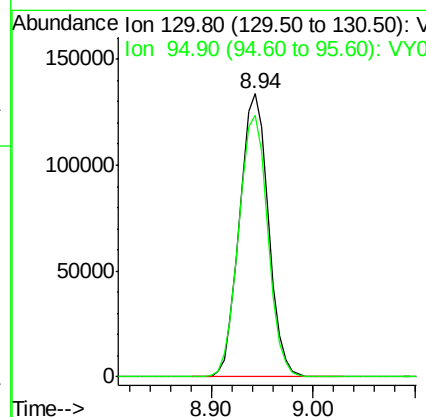
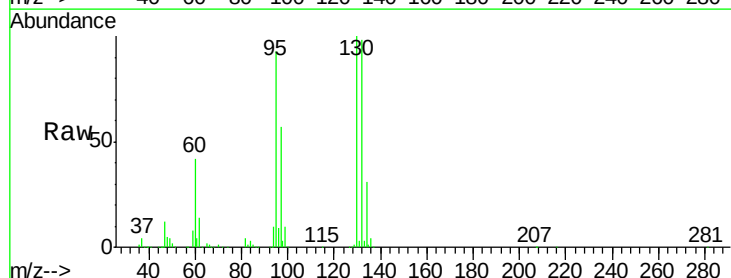
RT: 8.94 min Scan# 1182

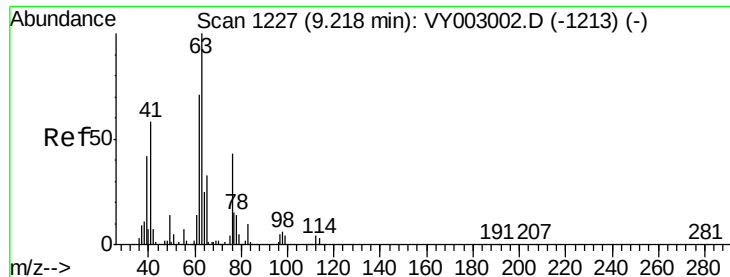
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	130	Resp:	261067
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	186.4





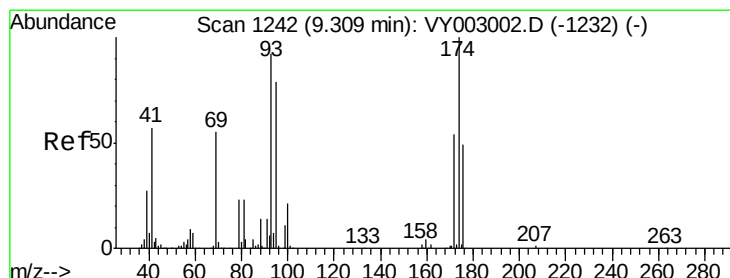
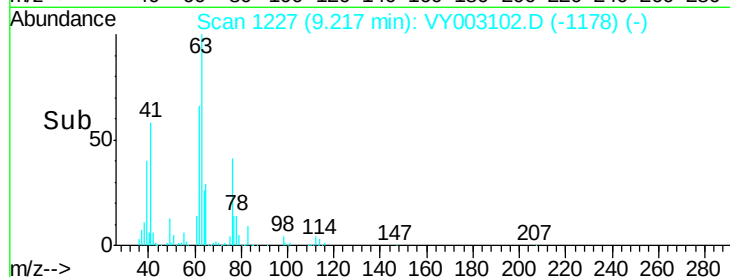
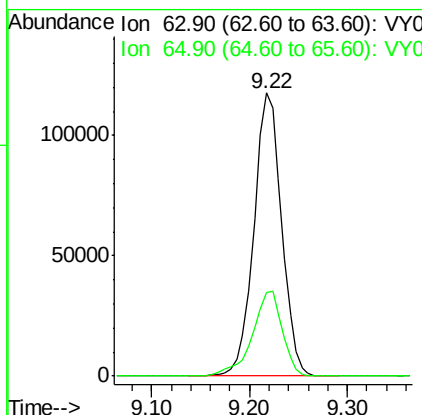
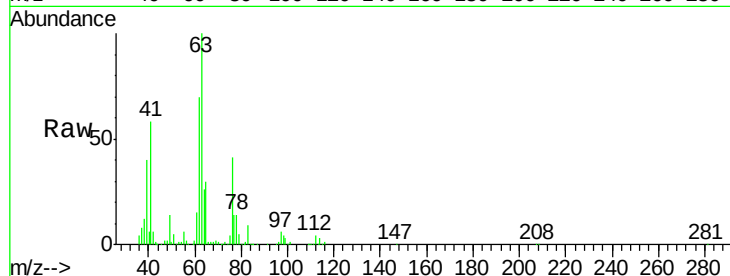
#45
 1,2-Dichloropropane
 Concen: 48.937 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	26.2	39.4

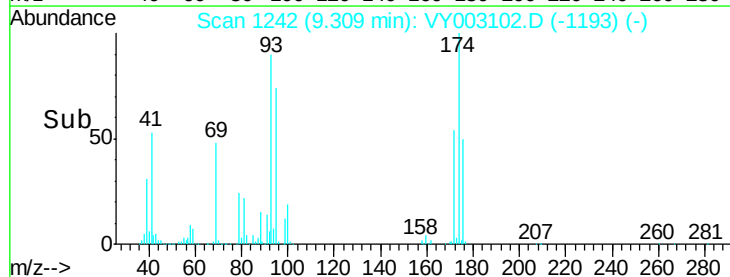
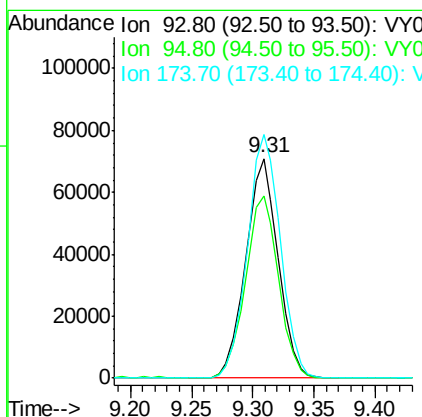
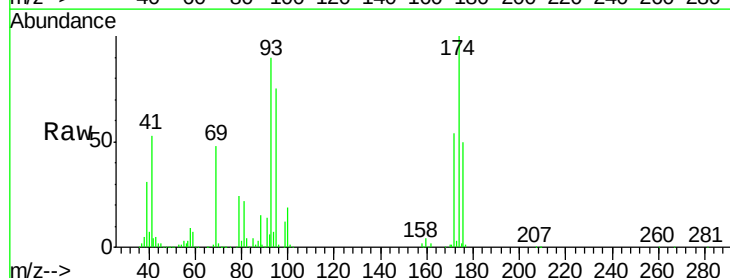
Manual Integrations
 APPROVED

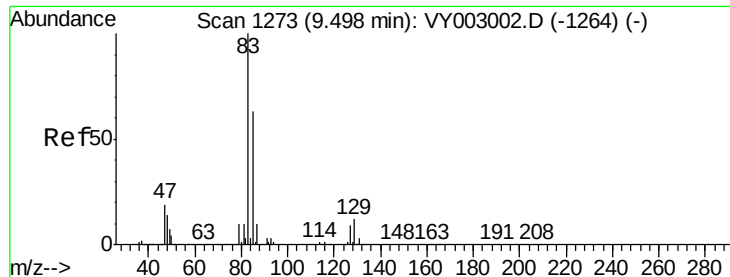
MMDadoda
 7/7/2020 11:11:59 AM



#46
 Dibromomethane
 Concen: 49.707 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.6	101.4
174	113.2	88.3	132.5





#47

Bromodichloromethane

Concen: 49.961 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

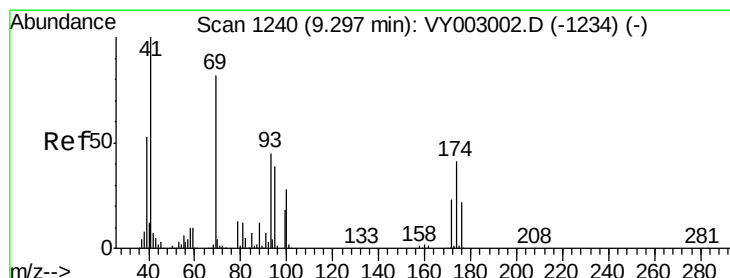
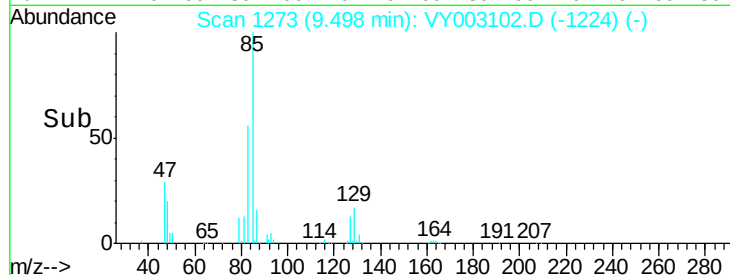
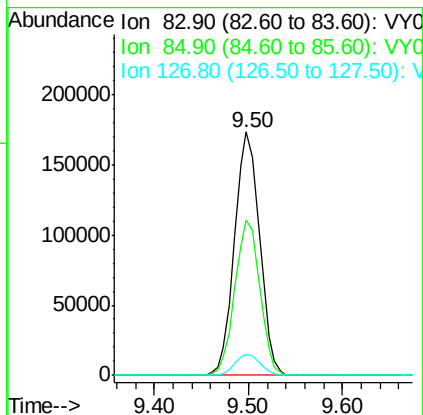
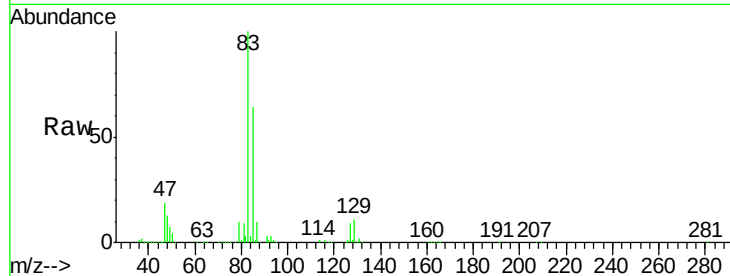
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	322177
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.5	75.7
127	8.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#48

Methyl methacrylate

Concen: 47.816 ug/l

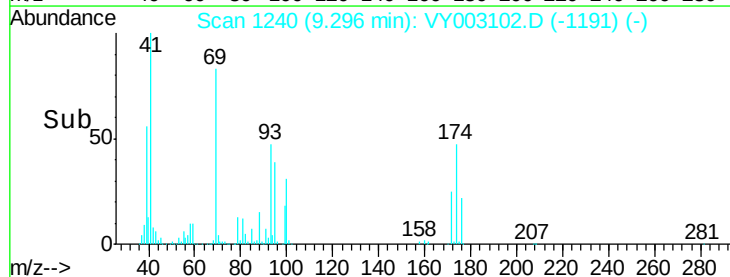
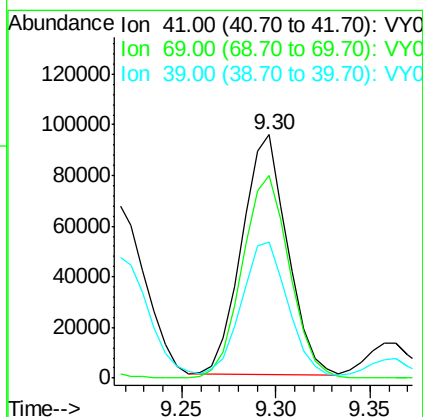
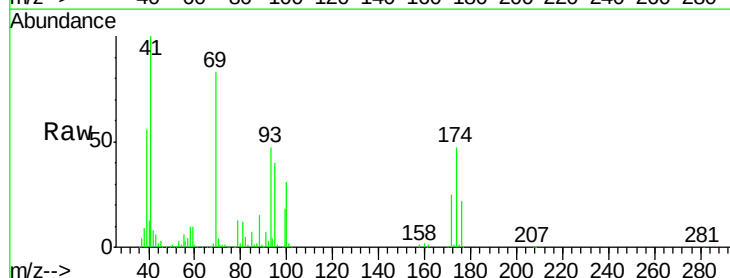
RT: 9.30 min Scan# 1240

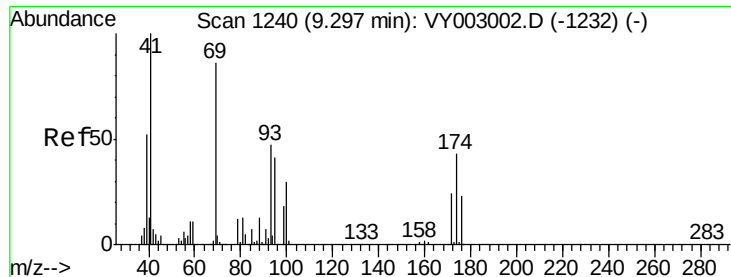
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	41	Resp:	159260
Ion	Ratio	Lower	Upper
41	100		
69	87.6	67.7	101.5
39	58.8	45.0	67.4





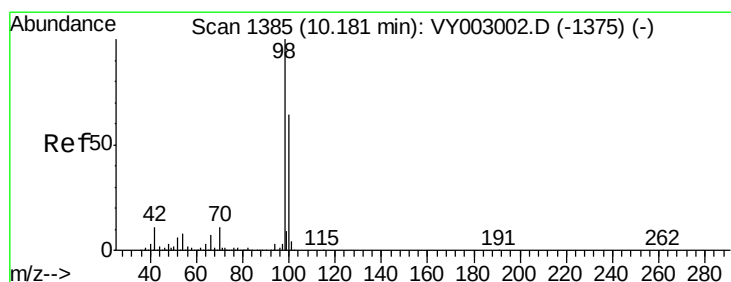
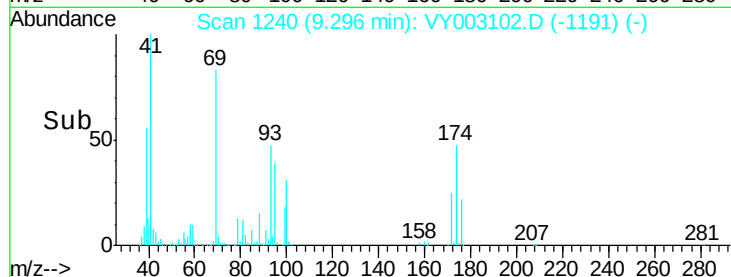
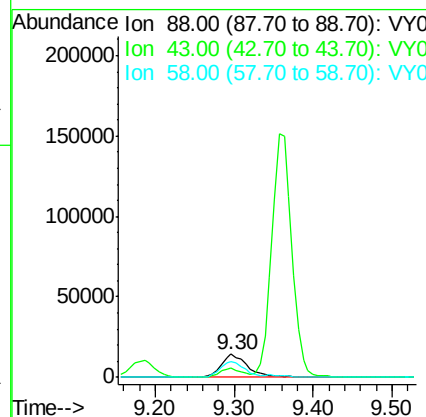
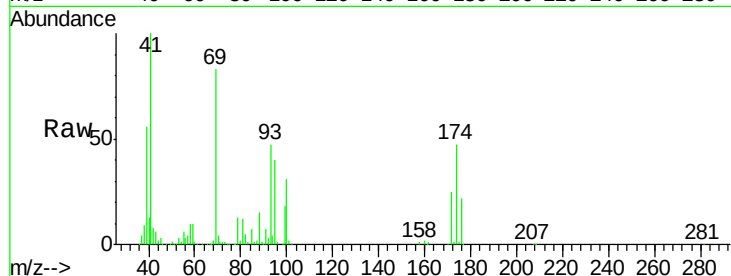
#49
1,4-Dioxane
Concen: 1099.354 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	28.6	42.8
58	61.6	56.7	85.1

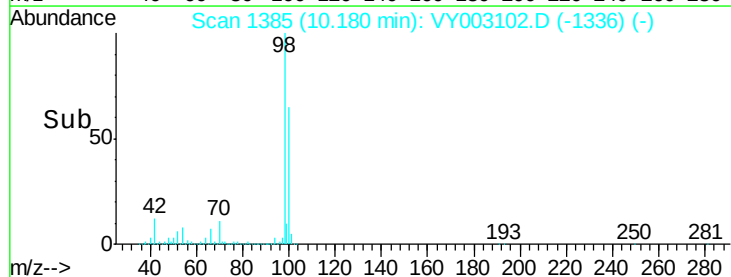
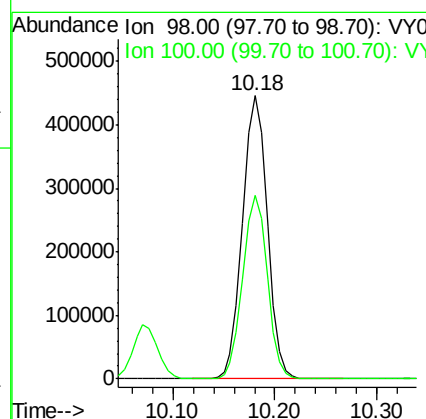
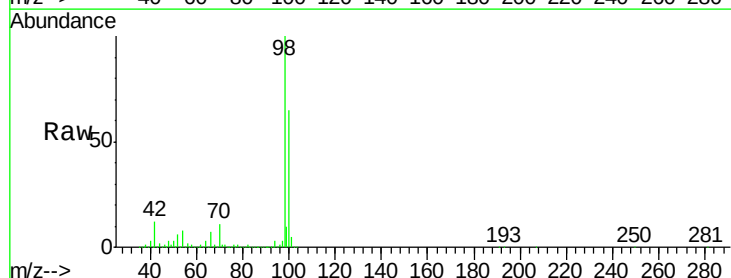
Manual Integrations
APPROVED

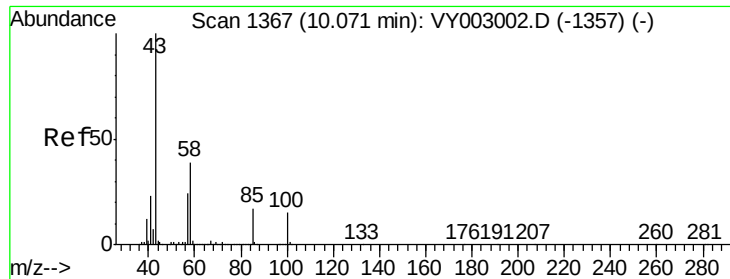
MMDadoda
7/7/2020 11:11:59 AM



#50
Toluene-d8
Concen: 48.663 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 244.986 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 926553

Ion Ratio Lower Upper

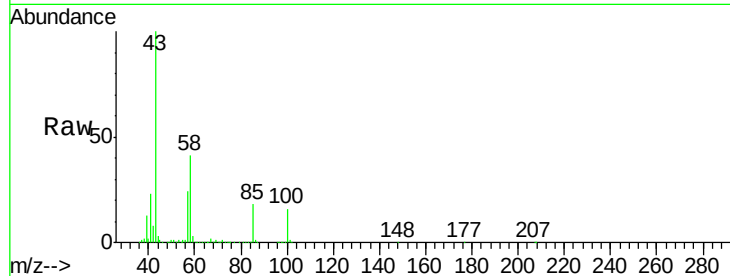
43 100

58 40.0 31.1 46.7

Manual Integrations
APPROVED

MMDadoda

7/7/2020 11:11:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

600000

500000

400000

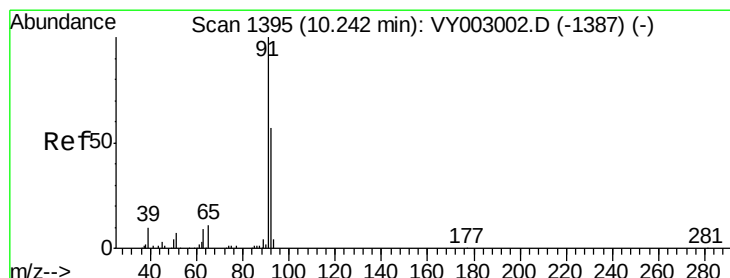
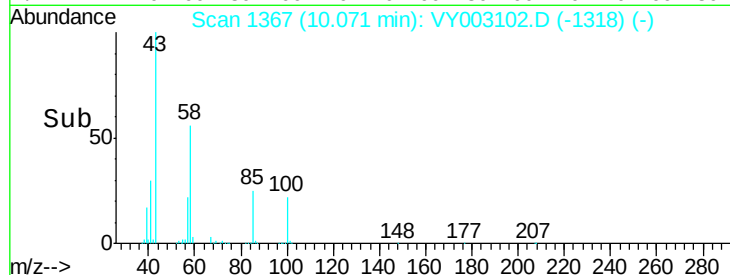
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.863 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003102.D

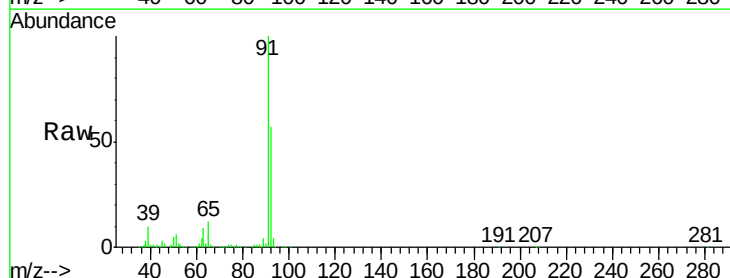
Acq: 06 Jul 2020 10:10

Tgt Ion: 92 Resp: 550136

Ion Ratio Lower Upper

92 100

91 174.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

600000

500000

400000

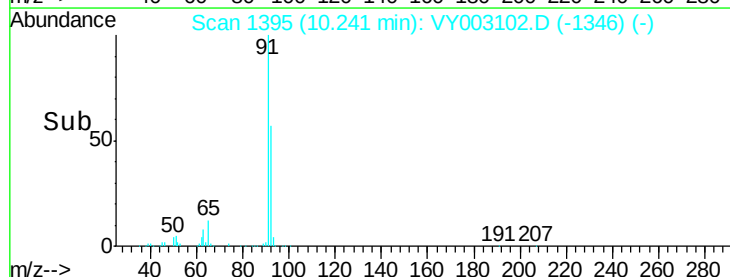
300000

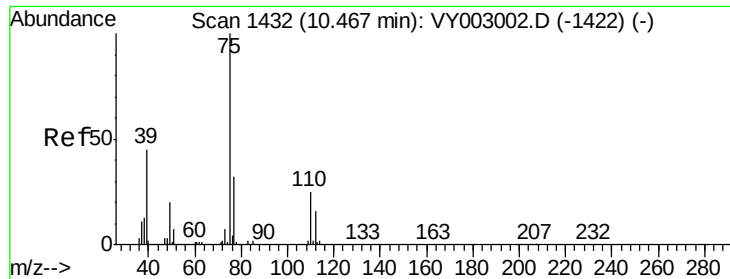
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.199 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 339395

Ion Ratio Lower Upper

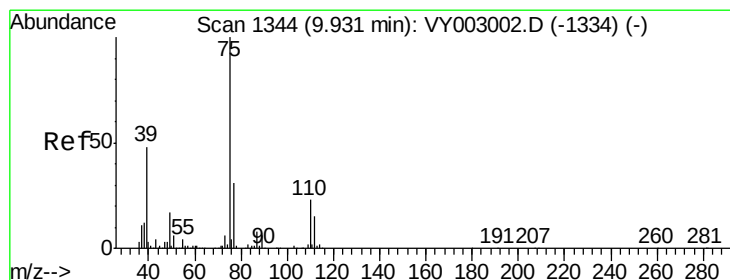
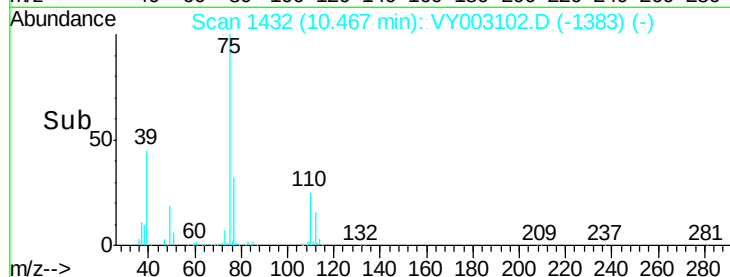
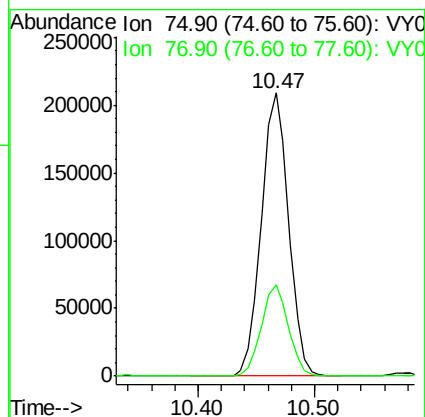
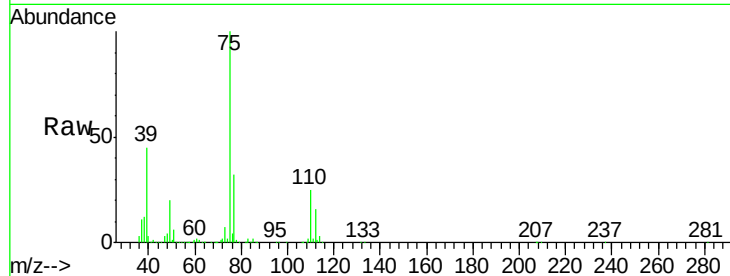
75 100

77 32.1 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#54

cis-1,3-Dichloropropene

Concen: 49.784 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

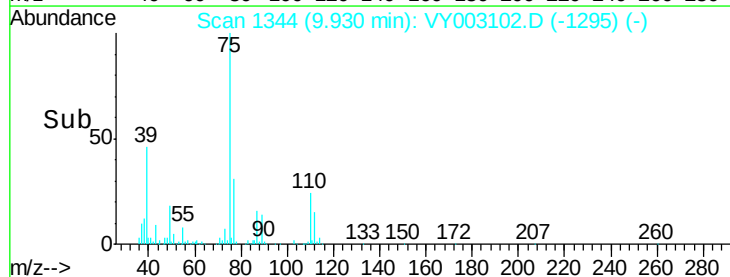
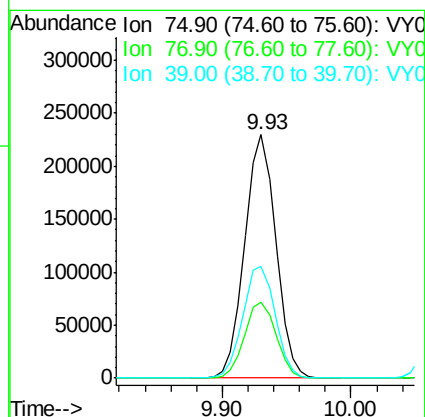
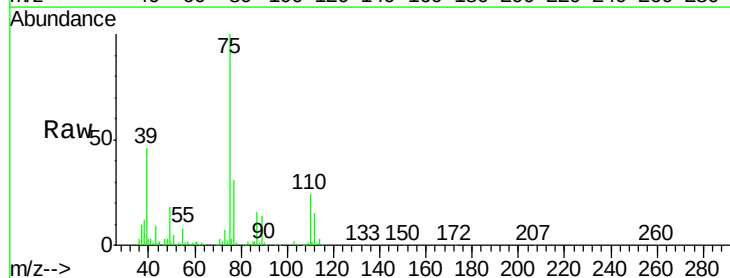
Tgt Ion: 75 Resp: 384937

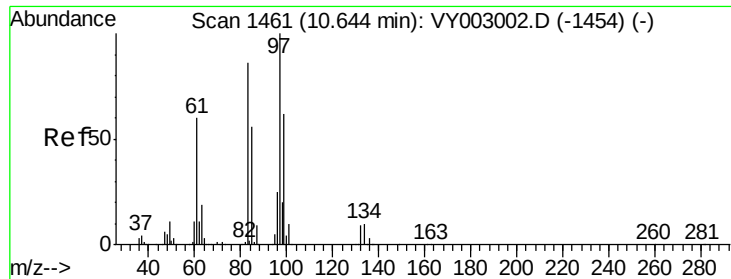
Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 45.7 38.3 57.5





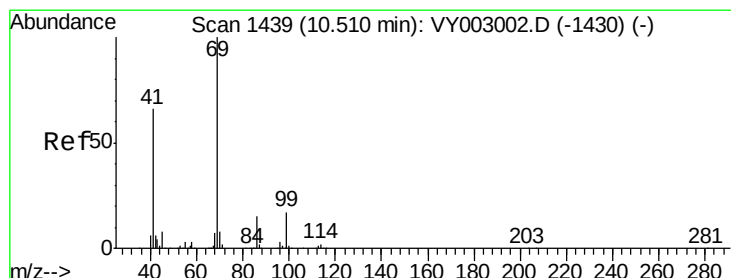
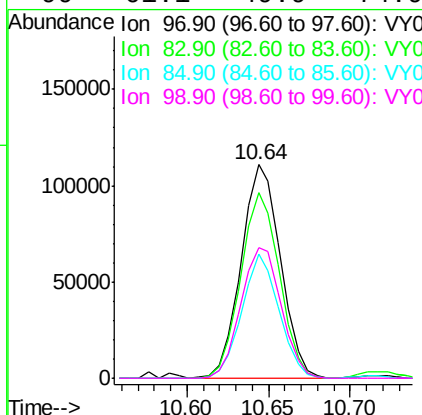
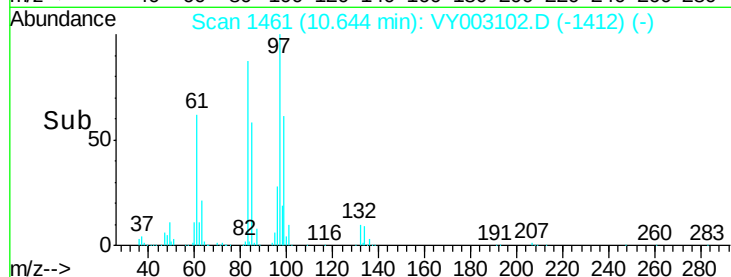
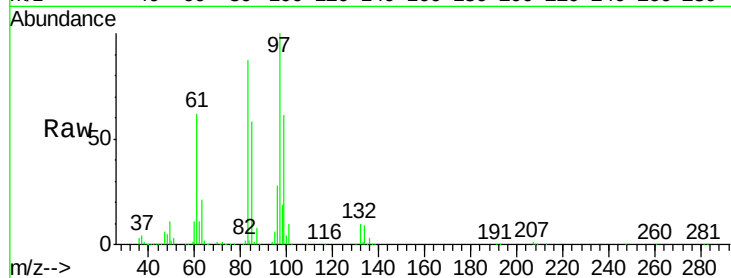
#55
 1,1,2-Trichloroethane
 Concen: 50.920 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		186345		
83	86.8	69.0	103.6		
85	58.1	44.8	67.2		
99	61.1	49.9	74.9		

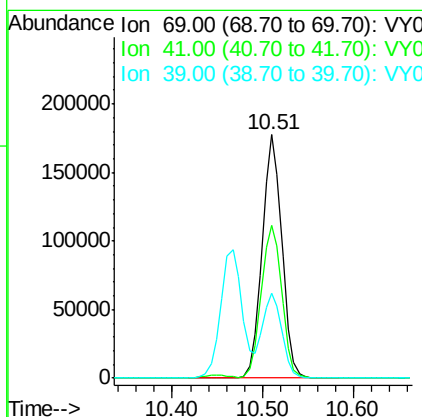
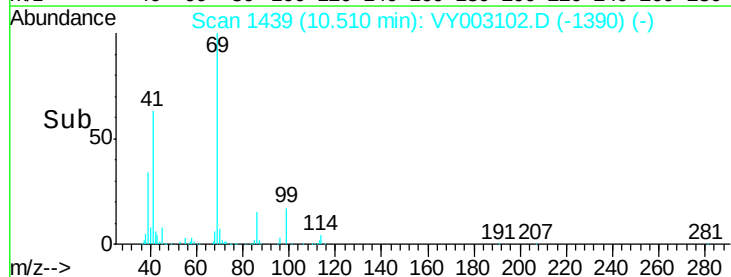
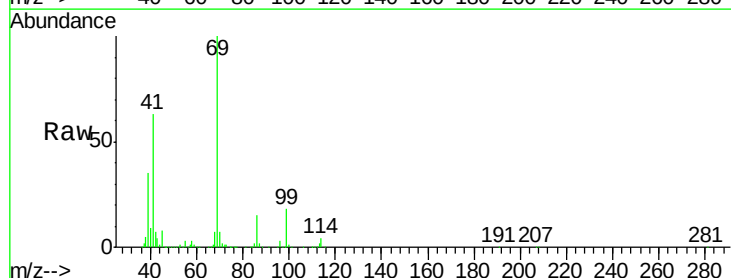
Manual Integrations
 APPROVED

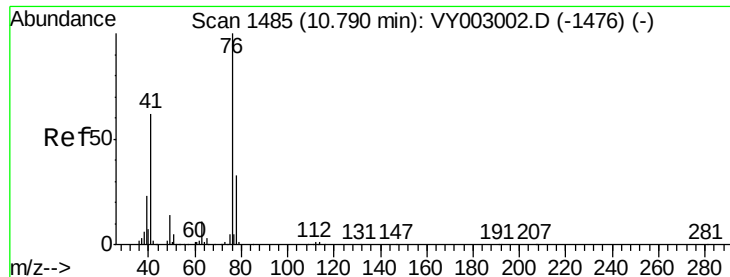
MMDadoda
 7/7/2020 11:11:59 AM



#56
 Ethyl methacrylate
 Concen: 50.527 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		267666		
41	65.1	53.7	80.5		
39	33.4	28.3	42.5		





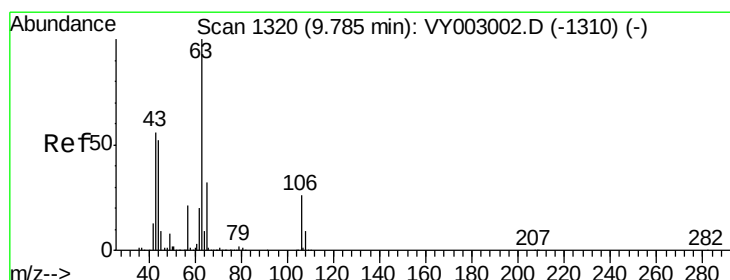
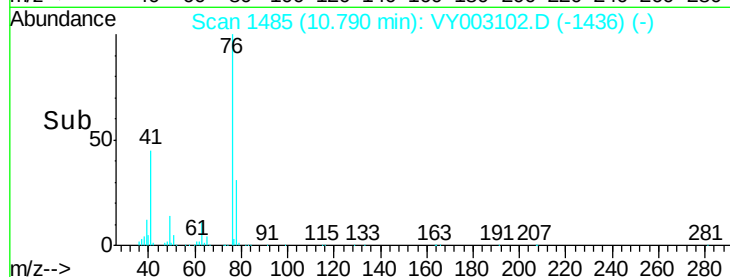
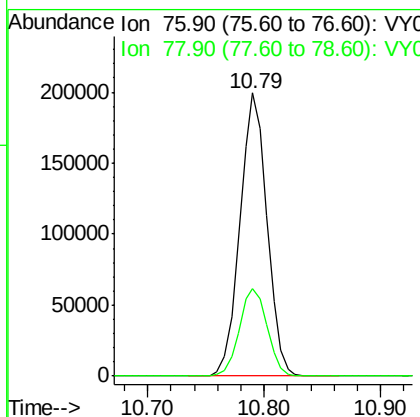
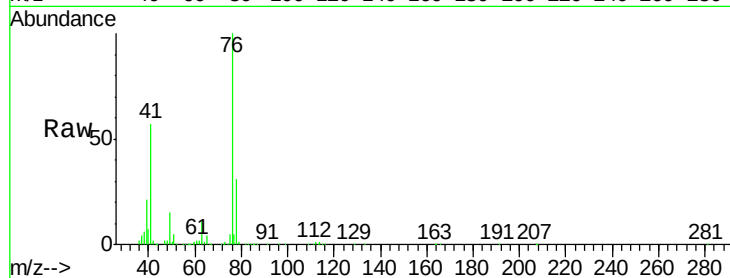
#57
 1,3-Dichloropropane
 Concen: 50.237 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

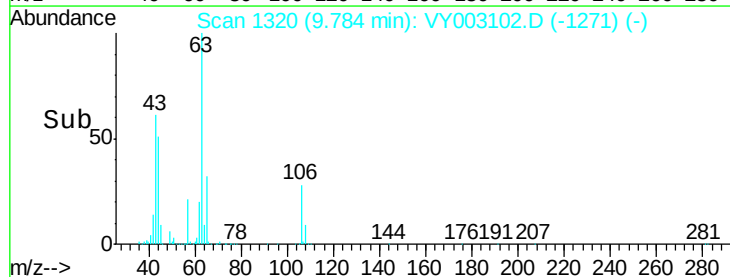
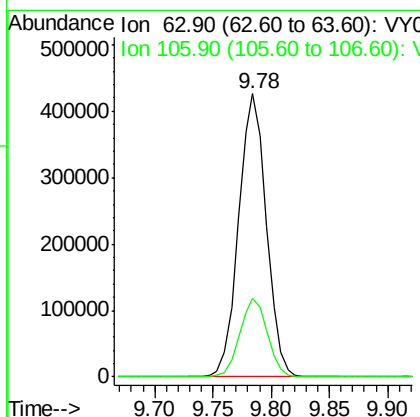
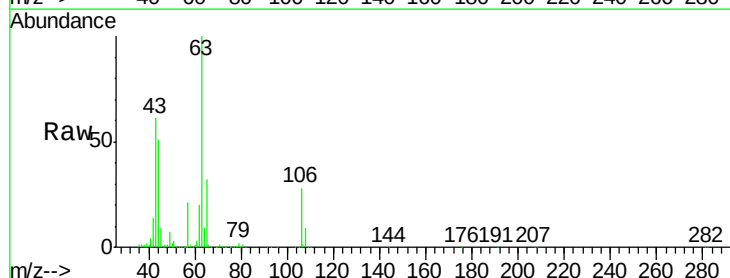
Manual Integrations
 APPROVED

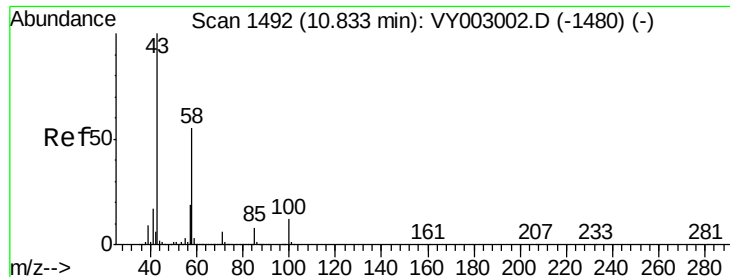
MMDadoda
 7/7/2020 11:11:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.760 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.5	32.3





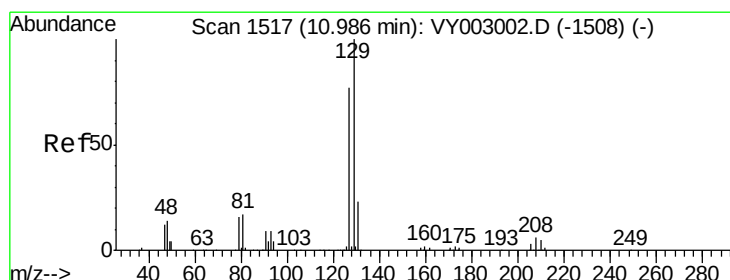
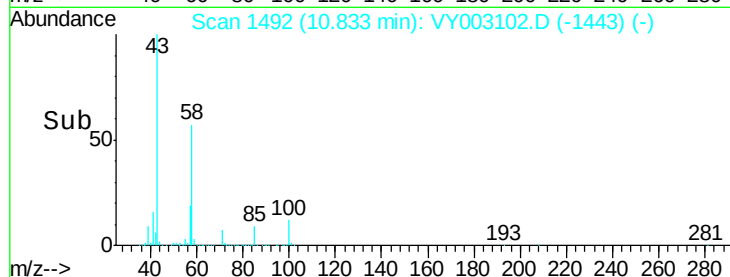
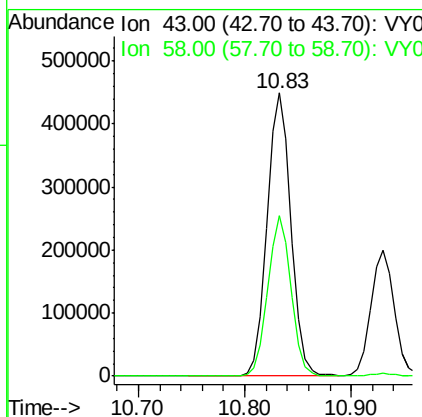
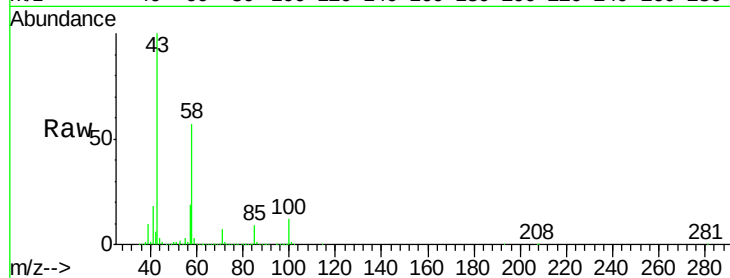
#59
2-Hexanone
Concen: 265.300 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.5	82.4

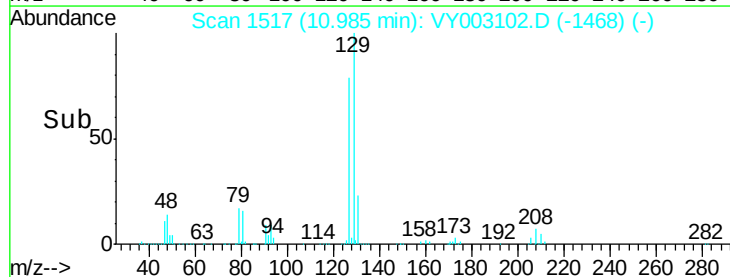
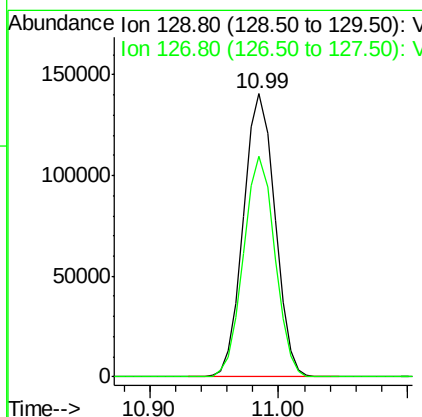
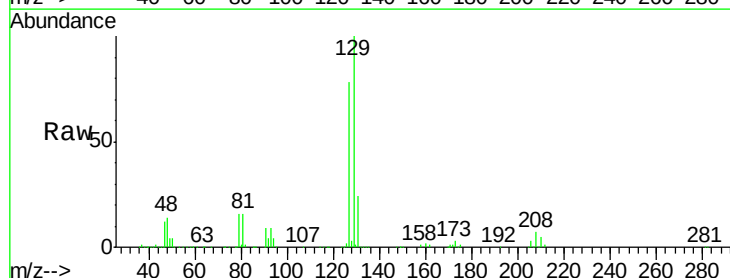
Manual Integrations
APPROVED

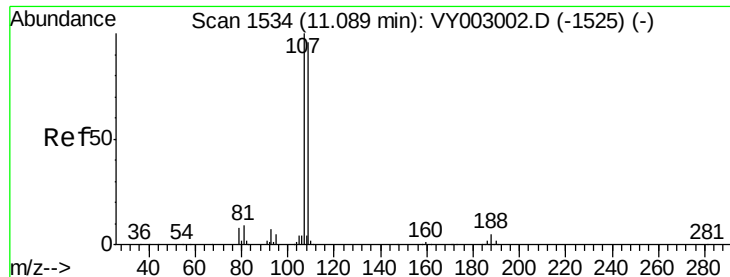
MMDadoda
7/7/2020 11:11:59 AM



#60
Dibromochloromethane
Concen: 50.856 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.3





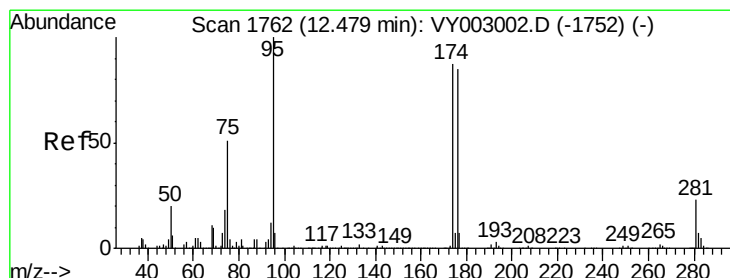
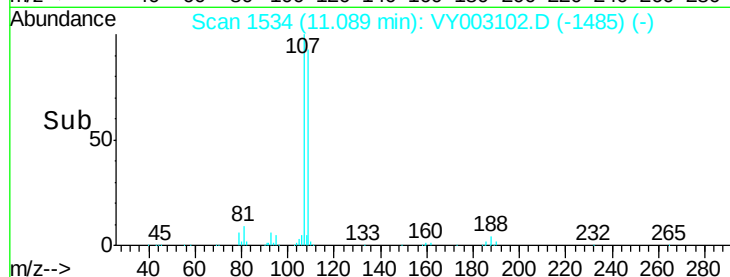
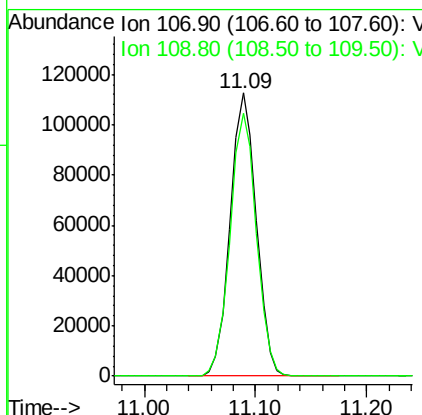
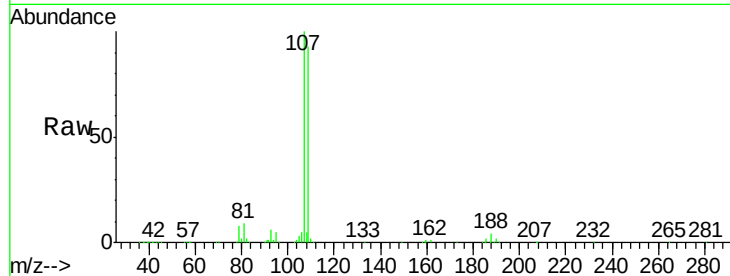
#61
 1,2-Dibromoethane
 Concen: 50.596 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

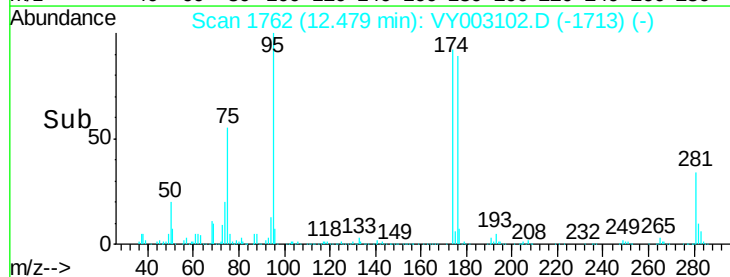
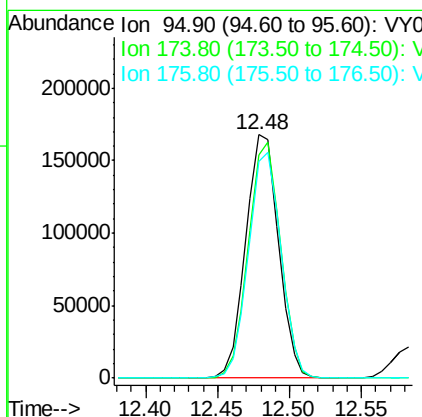
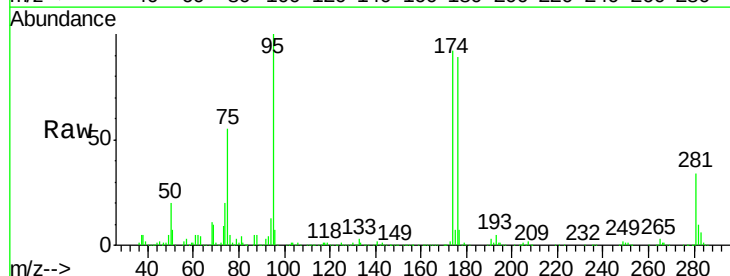
Manual Integrations
 APPROVED

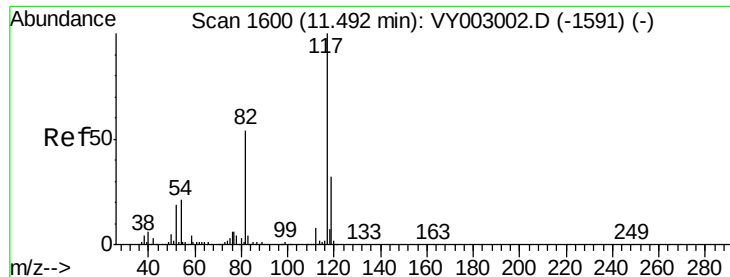
MMDadoda
 7/7/2020 11:11:59 AM



#62
 4-Bromofluorobenzene
 Concen: 48.623 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	184.8
176	91.7	0.0	183.0





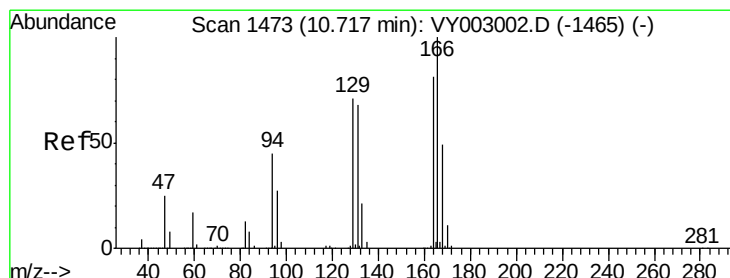
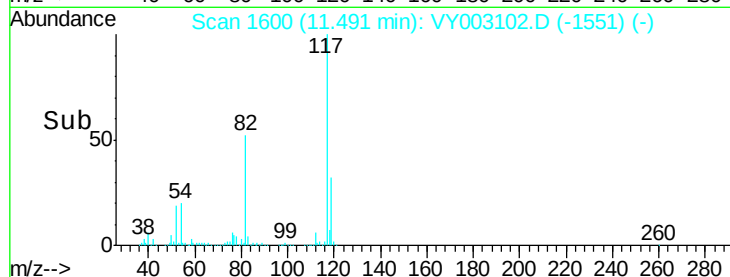
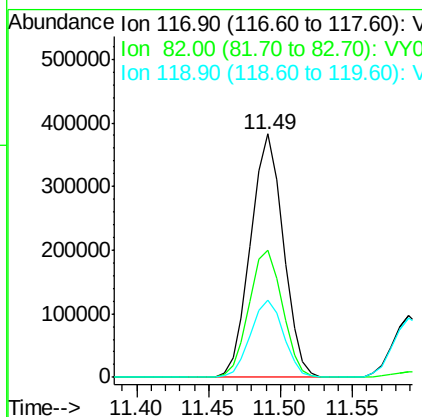
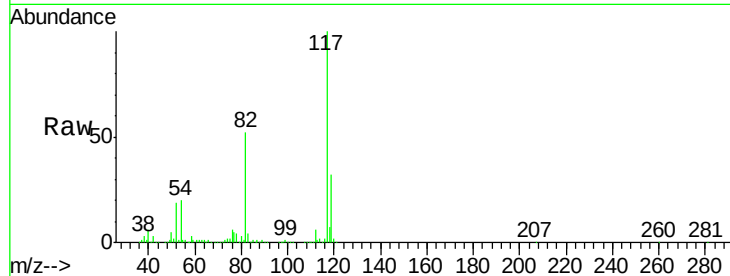
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	602497		
82	52.0		43.0	64.6
119	31.5		25.8	38.8

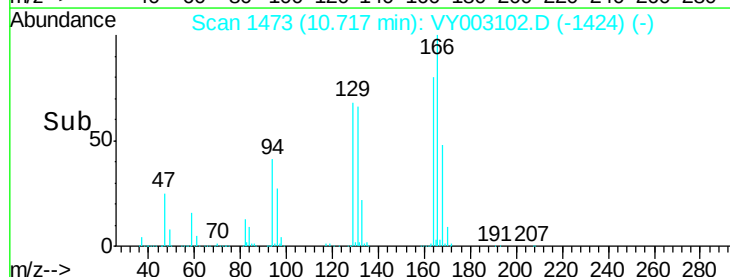
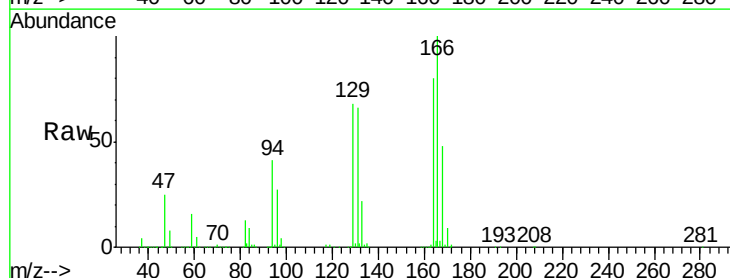
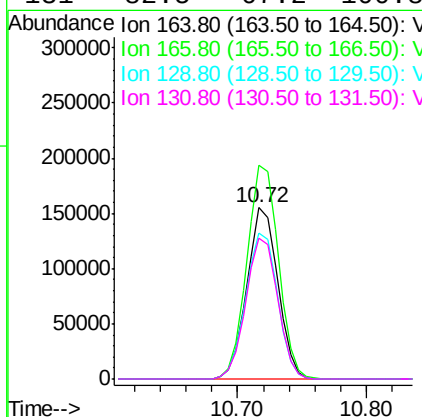
Manual Integrations
APPROVED

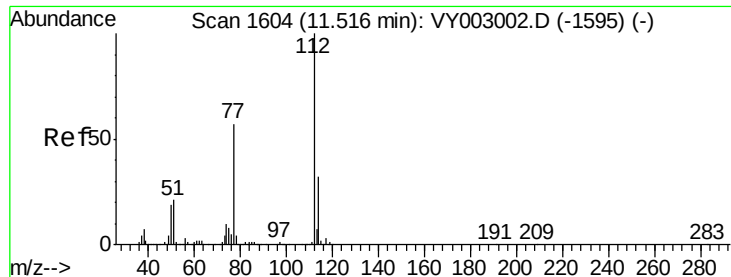
MMDadoda
7/7/2020 11:11:59 AM



#64
Tetrachloroethene
Concen: 50.387 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	256935		
166	124.8		98.5	147.7
129	85.4		69.7	104.5
131	82.5		67.2	100.8





#65

Chlorobenzene

Concen: 50.520 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 600180

Ion Ratio Lower Upper

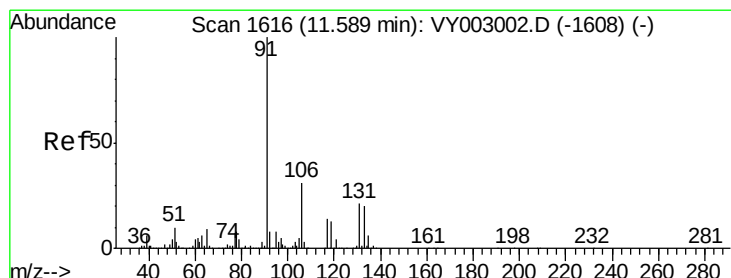
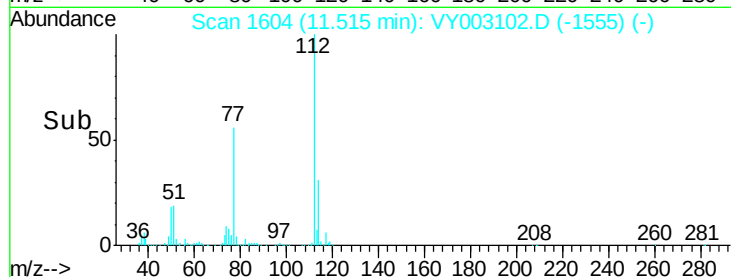
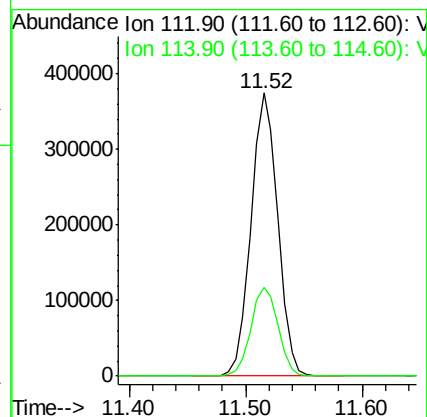
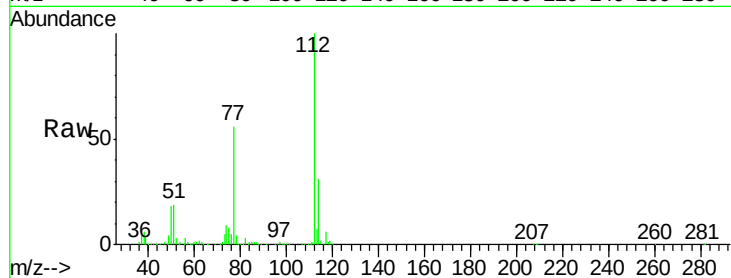
112 100

114 31.5 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

7/7/2020 11:11:59 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.450 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

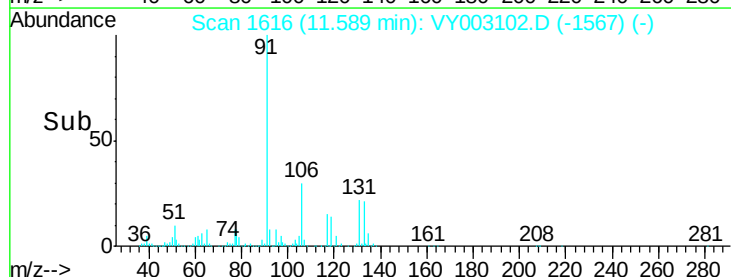
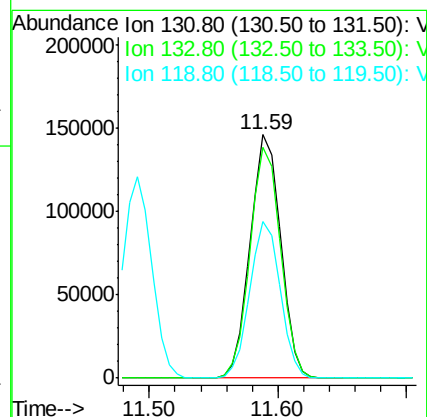
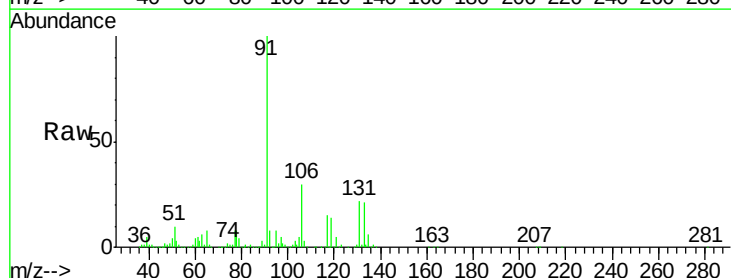
Tgt Ion:131 Resp: 238637

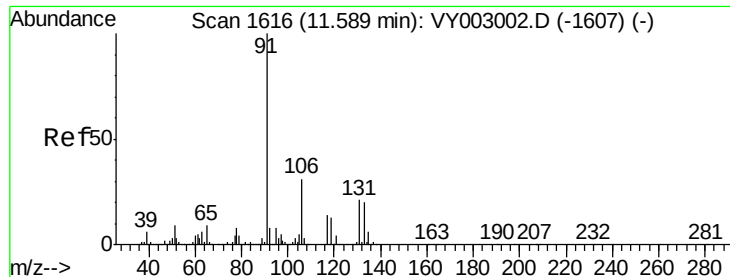
Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.8

119 64.3 31.8 95.3





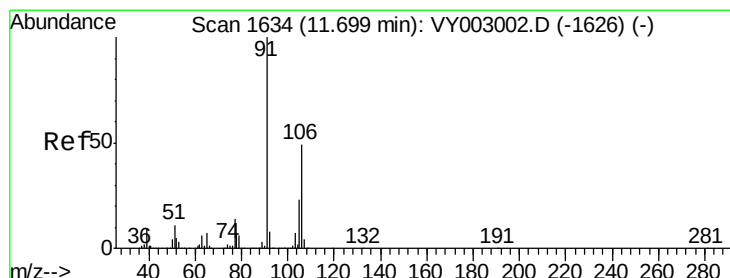
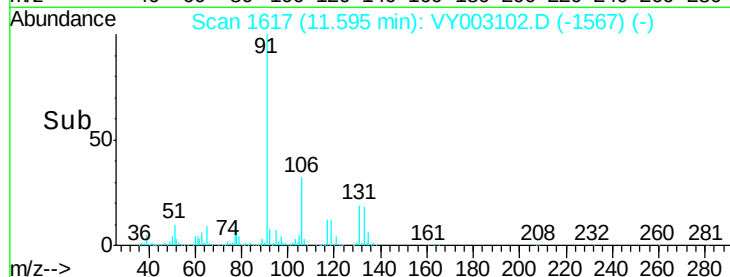
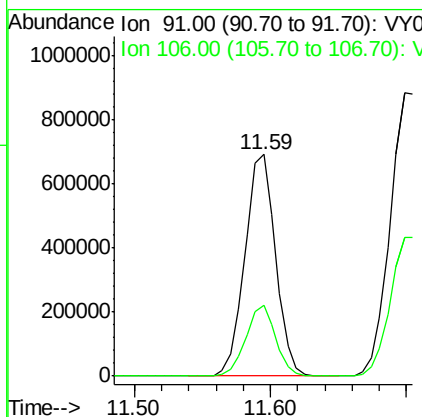
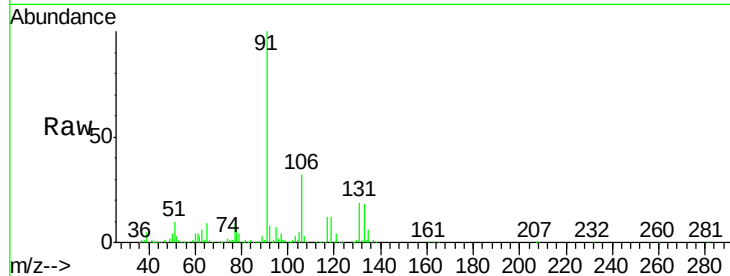
#67
Ethyl Benzene
Concen: 50.411 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1095618
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

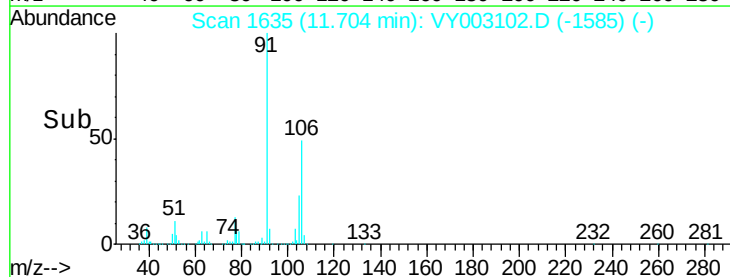
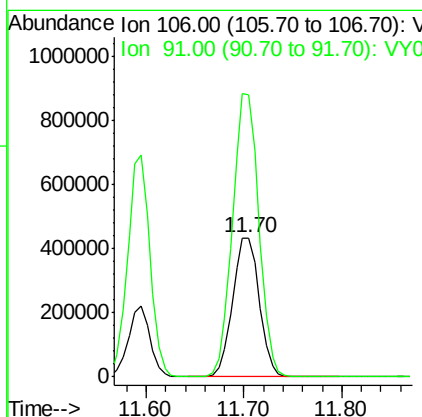
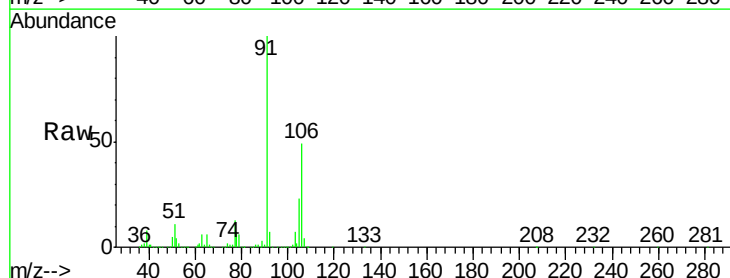
Manual Integrations
APPROVED

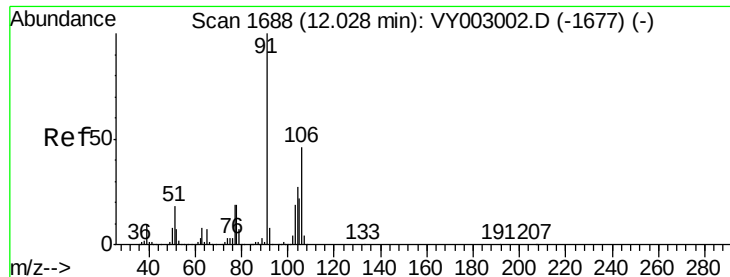
MMDadoda
7/7/2020 11:11:59 AM



#68
m/p-Xylenes
Concen: 101.138 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion: 106 Resp: 818099
Ion Ratio Lower Upper
106 100
91 201.6 161.9 242.9





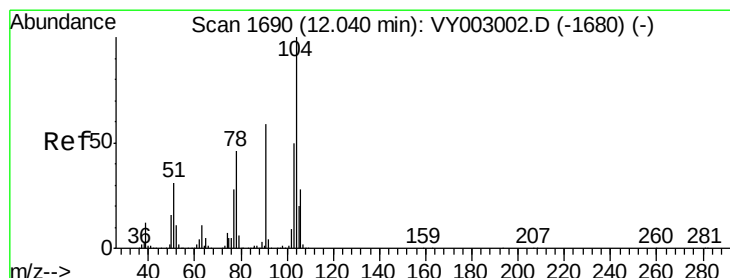
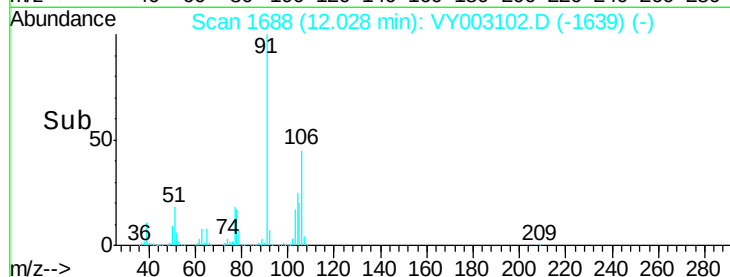
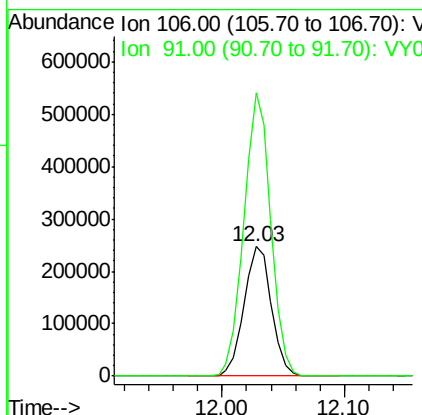
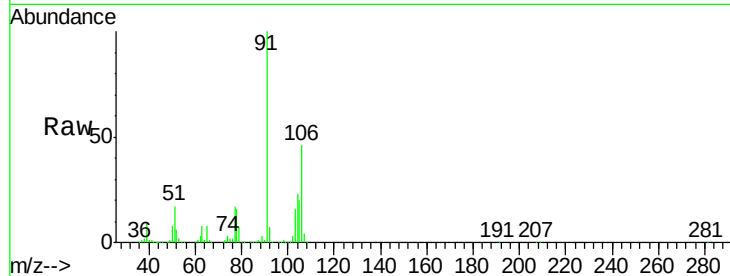
#69
o-Xylene
Concen: 50.732 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.5	107.9	386703	323.8	

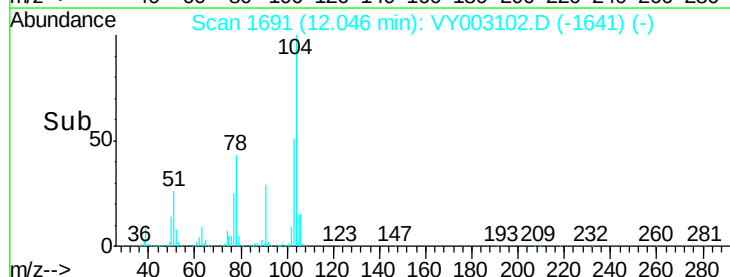
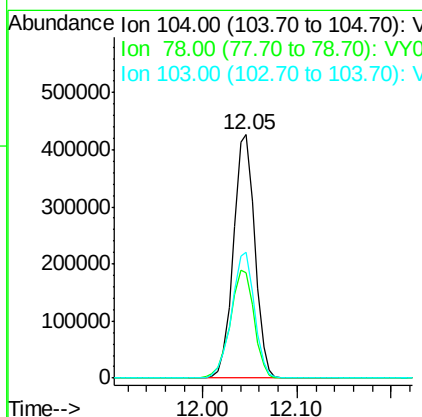
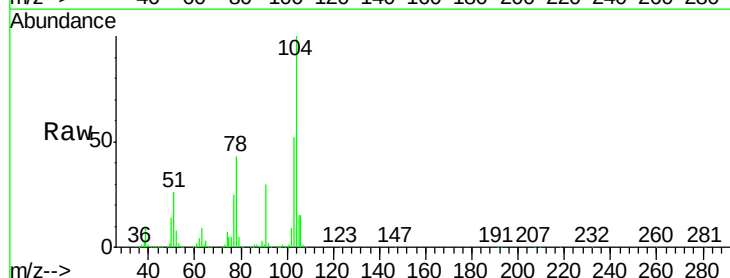
Manual Integrations
APPROVED

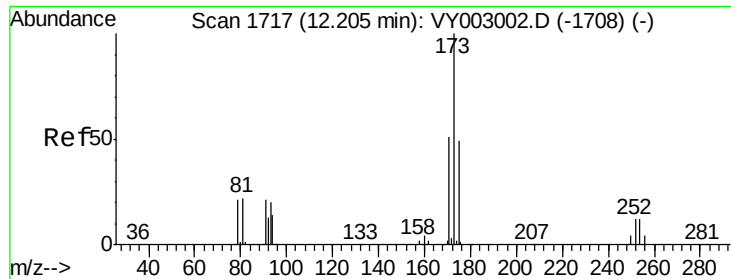
MMDadoda
7/7/2020 11:11:59 AM



#70
Styrene
Concen: 51.520 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.2	40.4	670891	60.6	
103	55.1	44.1		66.1	





#71

Bromoform

Concen: 52.348 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

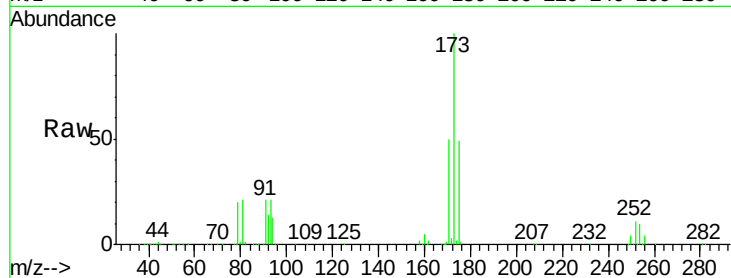
ClientSampleId :

VSTDCCC050

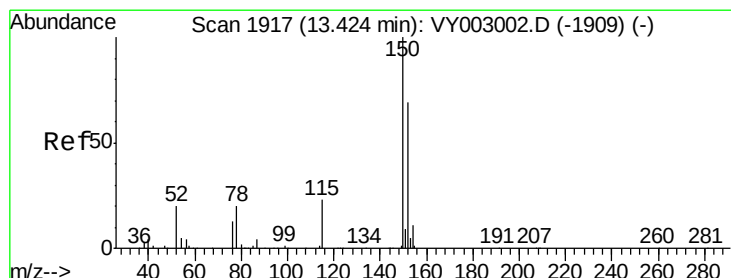
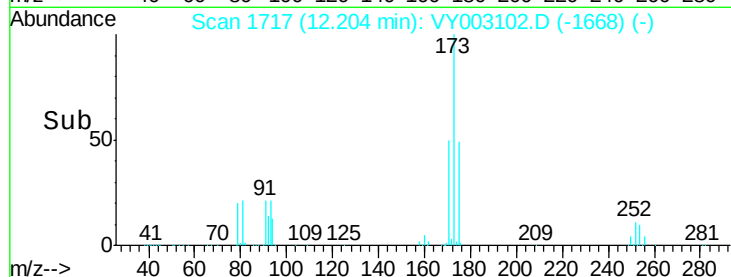
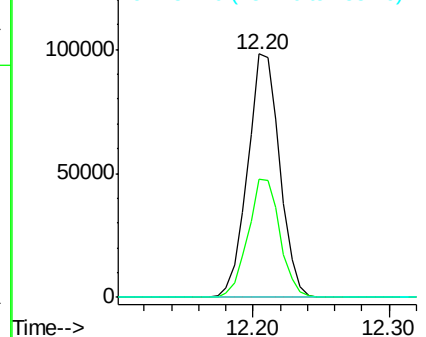
Tot Ion:	173	Resp:	161901
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

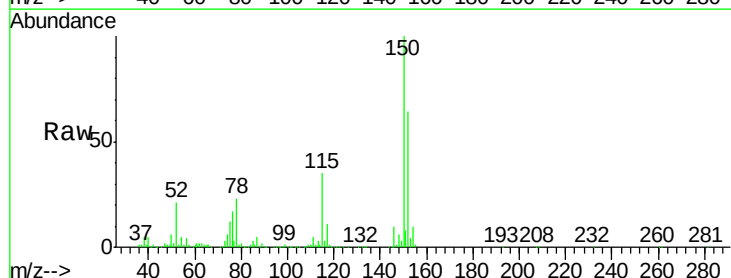
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

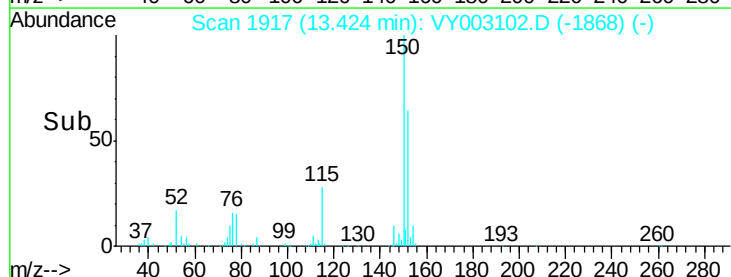
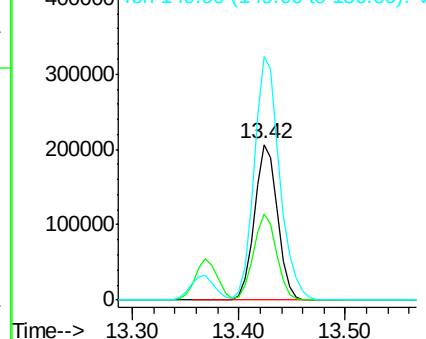
Lab File: VY003102.D

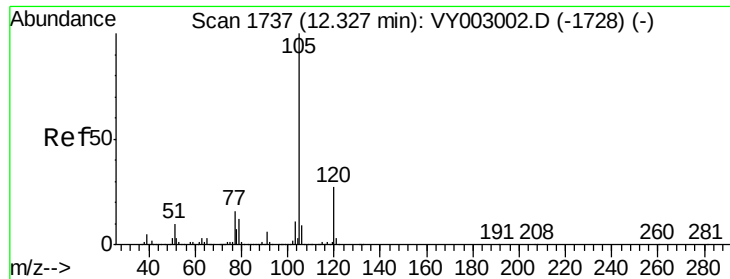
Acq: 06 Jul 2020 10:10

Tgt Ion:	152	Resp:	311838
Ion Ratio	Lower	Upper	
152	100		
115	55.9	27.3	81.9
150	173.2	0.0	343.4



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





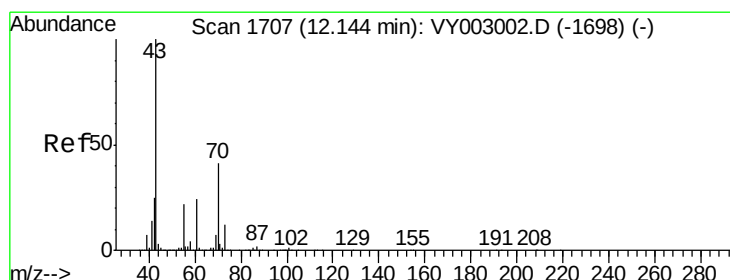
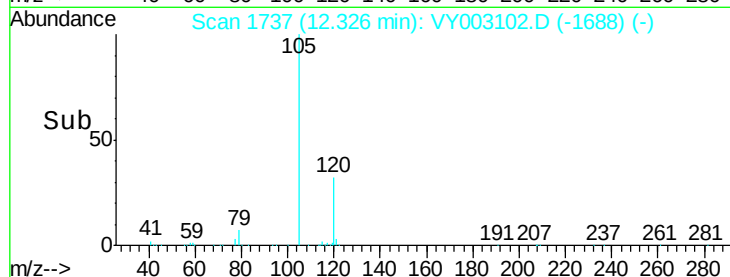
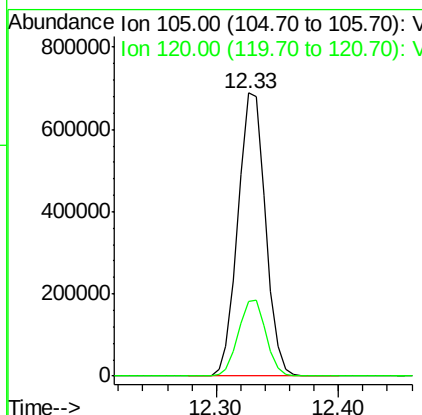
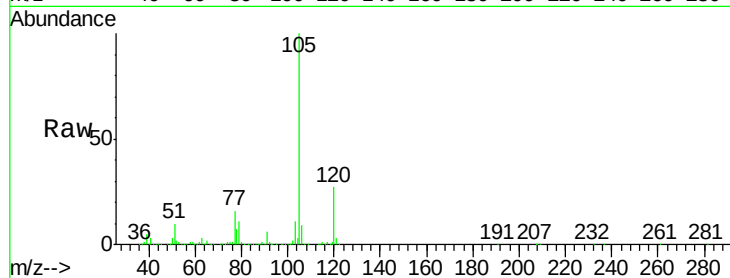
#73
Isopropylbenzene
Concen: 52.406 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1069538
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.1

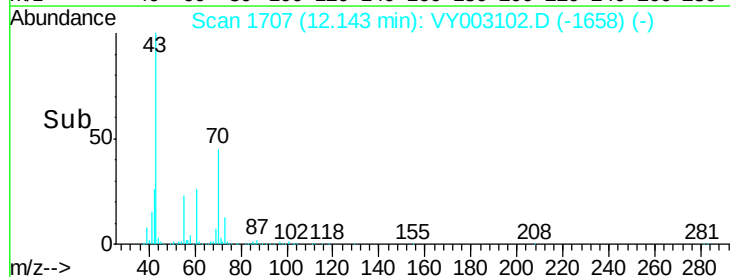
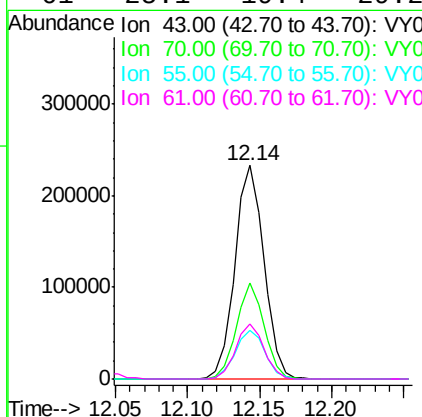
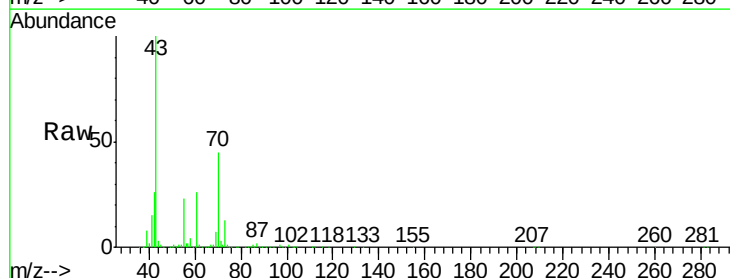
Manual Integrations
APPROVED

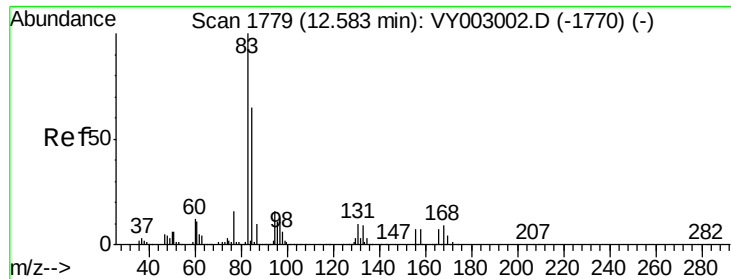
MMDadoda
7/7/2020 11:11:59 AM



#74
N-ethyl acetate
Concen: 49.352 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion: 43 Resp: 327886
Ion Ratio Lower Upper
43 100
70 42.9 33.0 49.4
55 23.6 18.2 27.2
61 25.1 19.4 29.2





#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: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

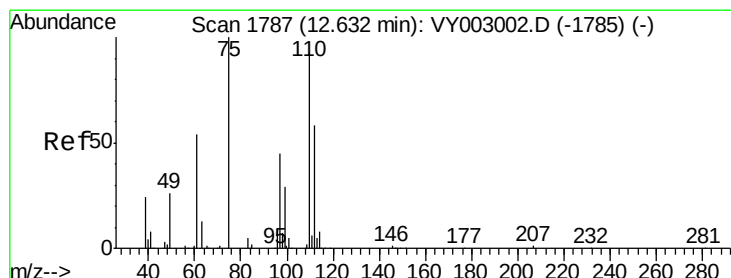
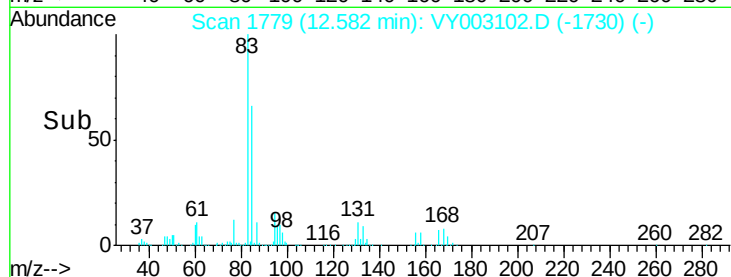
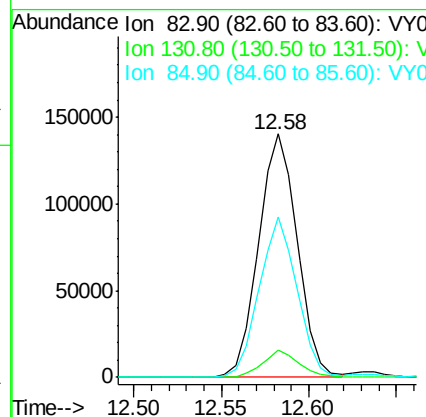
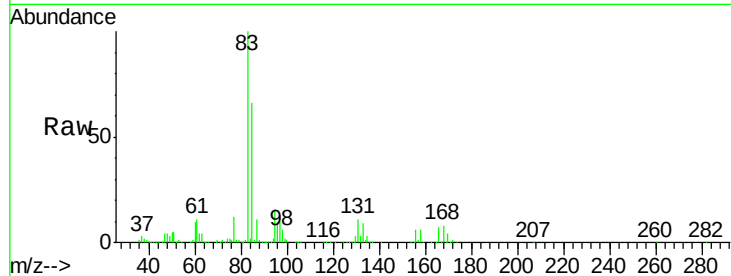
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	215312
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	64.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#76

1,2,3-Trichloropropane

Concen: 53.724 ug/l m

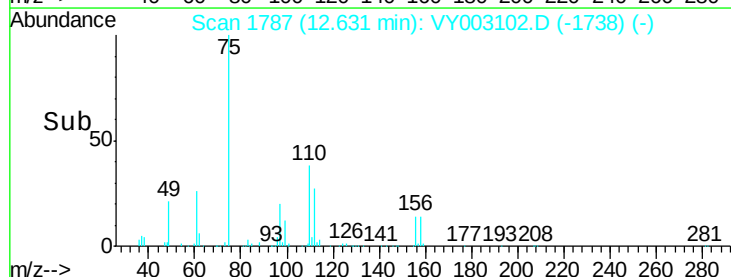
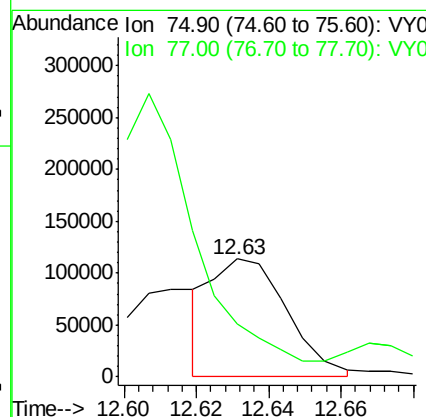
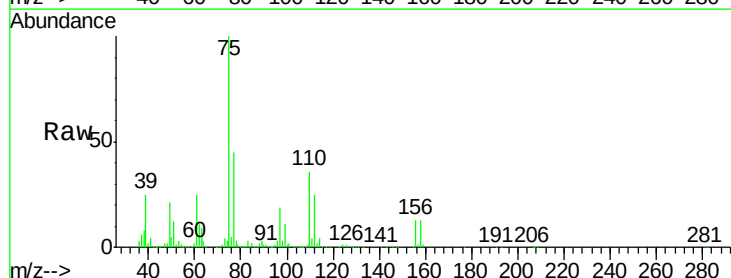
RT: 12.63 min Scan# 1787

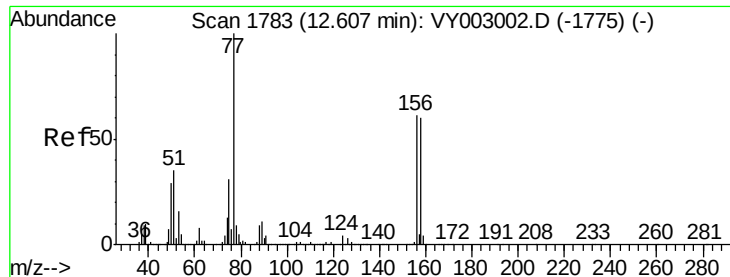
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	75	Resp:	165805
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.739 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

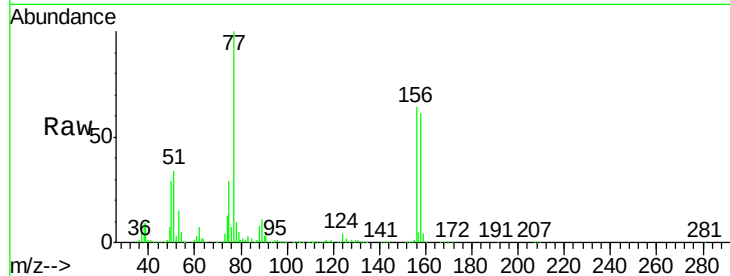
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.7	90.0	270.0
158	96.6	48.5	145.5

Manual Integrations
APPROVED

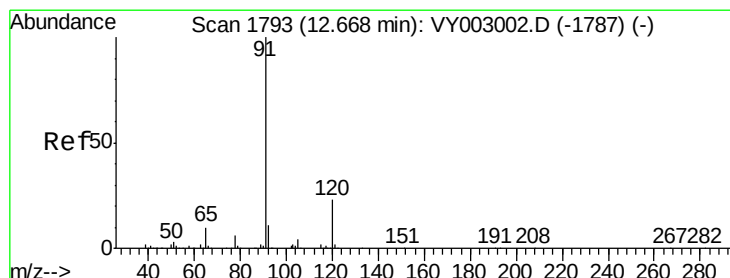
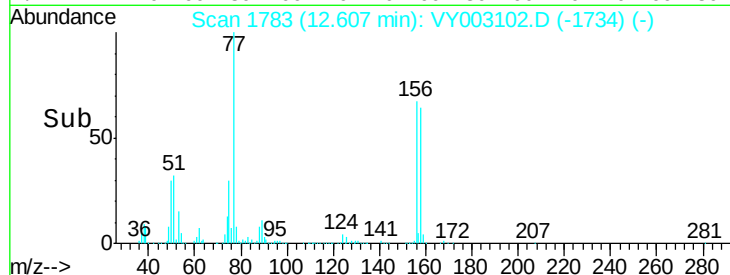
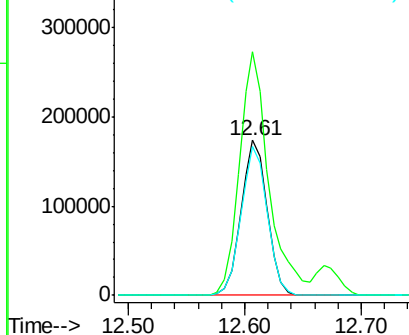
MMDadoda
7/7/2020 11:11:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.406 ug/l

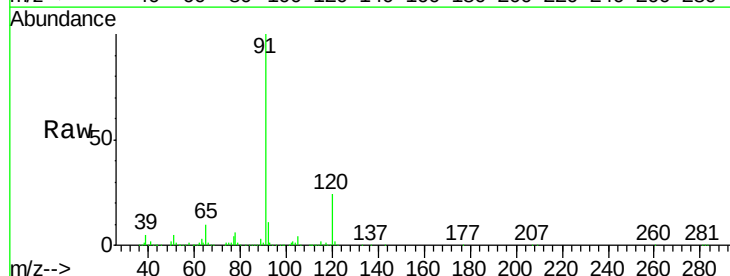
RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY003102.D

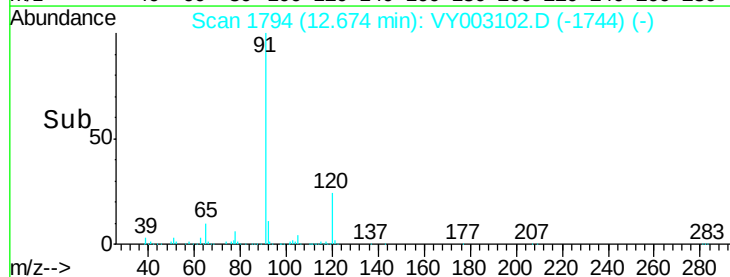
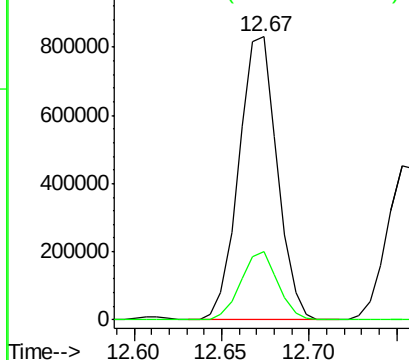
Acq: 06 Jul 2020 10:10

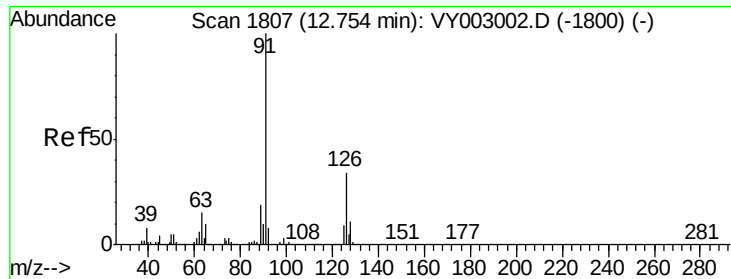
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.646 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 707552

Ion Ratio Lower Upper

91 100

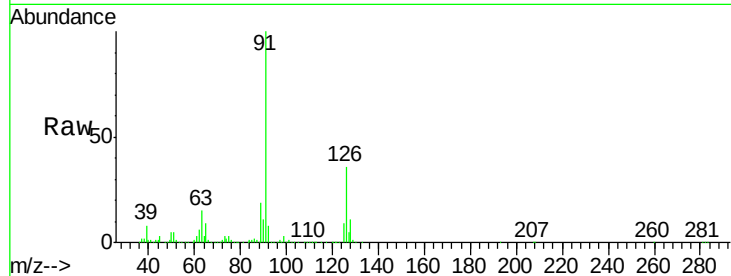
126 35.0 17.1 51.3

Manual Integrations

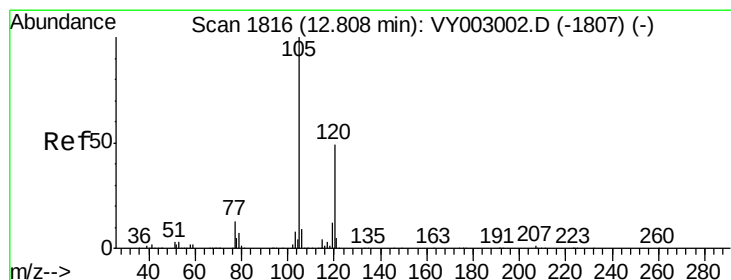
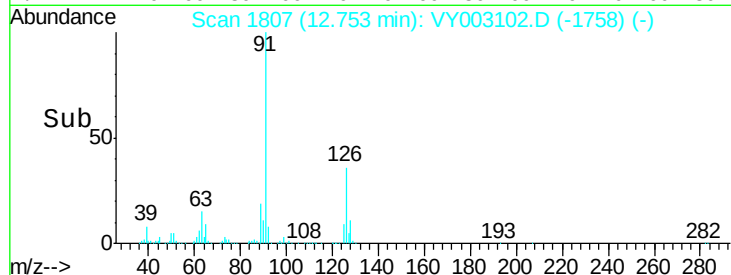
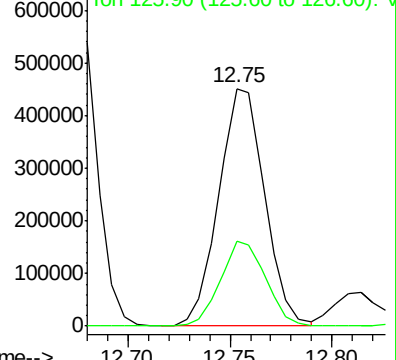
APPROVED

MMDadoda

7/7/2020 11:11:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VY003102.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.031 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003102.D

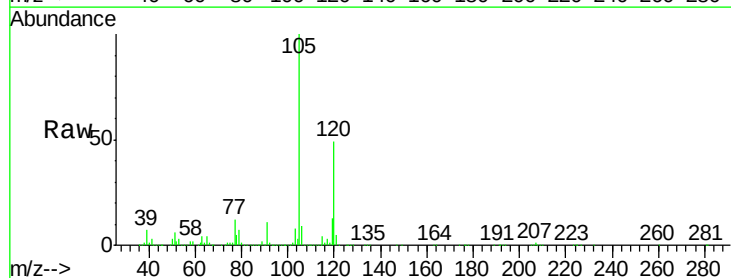
Acq: 06 Jul 2020 10:10

Tgt Ion: 105 Resp: 891071

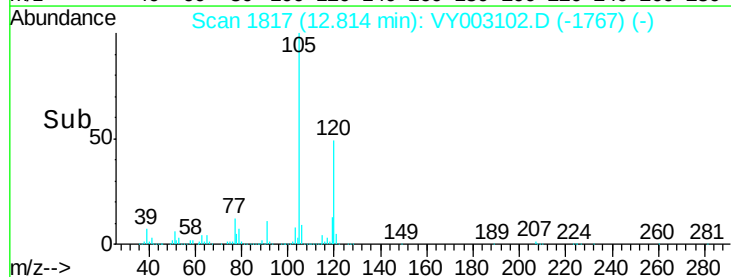
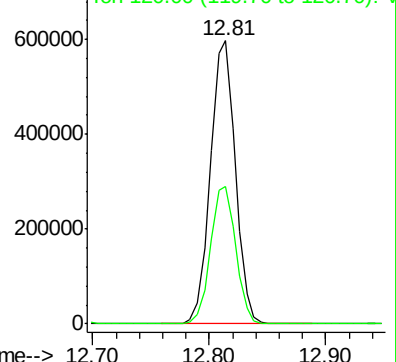
Ion Ratio Lower Upper

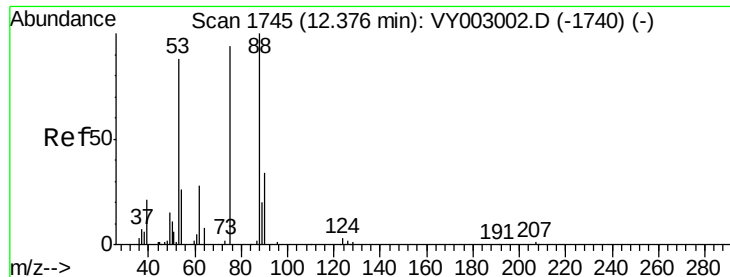
105 100

120 49.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003102.D (-1767) (-)





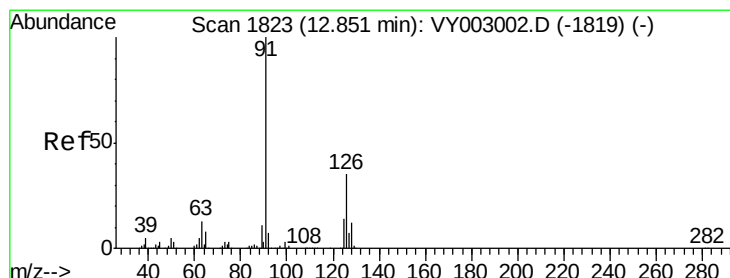
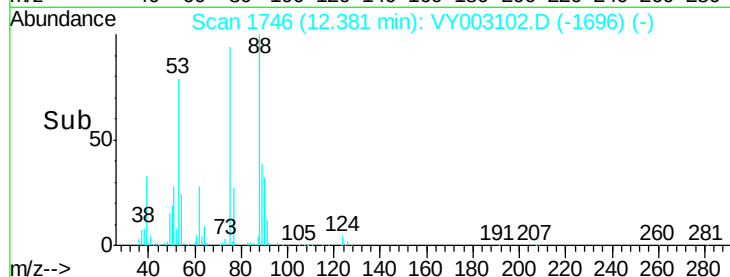
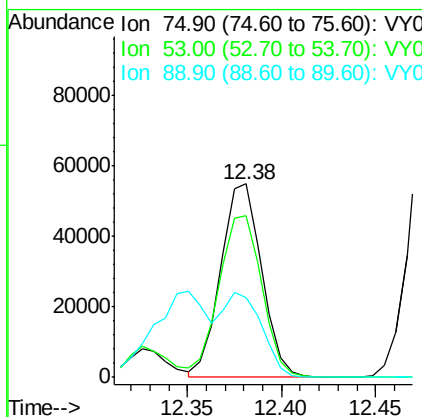
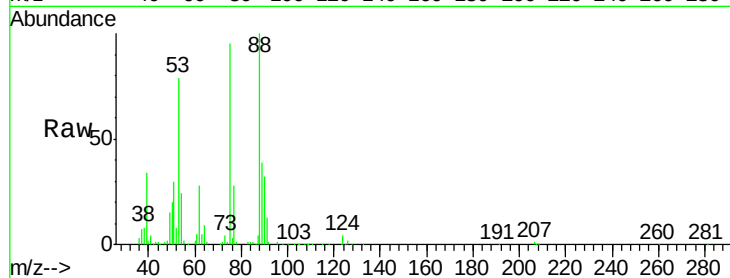
#81
trans-1,4-Dichloro-2-butene
Concen: 51.923 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	73.9	110.9
89	42.9	37.5	56.3

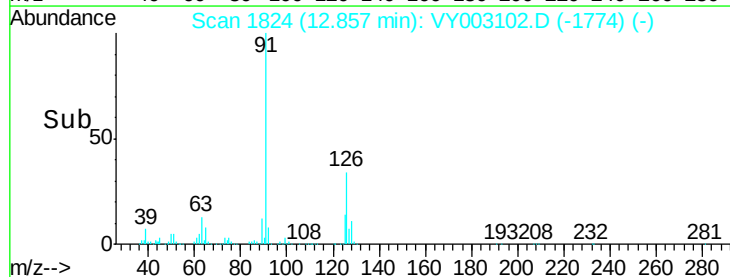
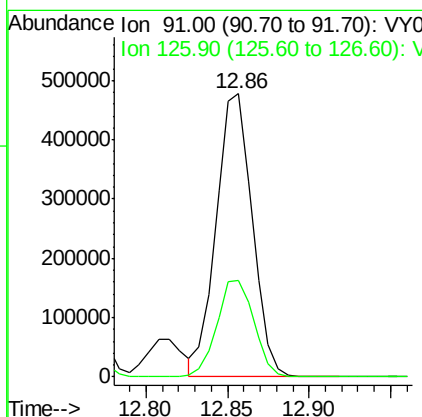
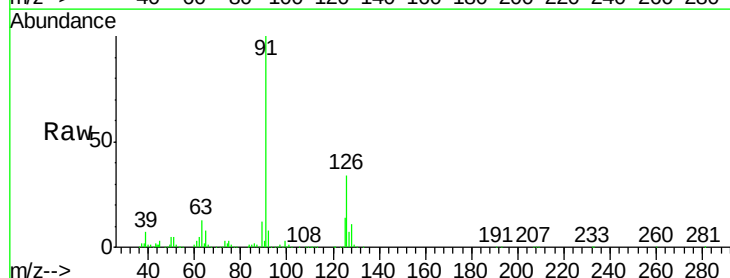
Manual Integrations
APPROVED

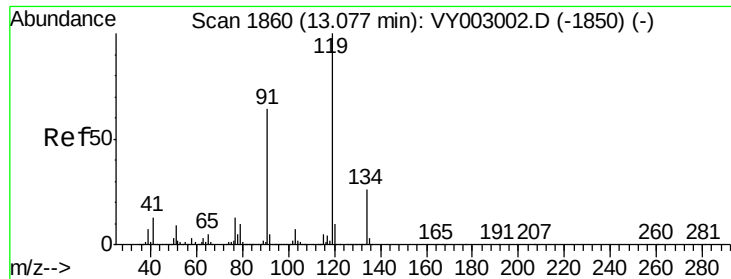
MMDadoda
7/7/2020 11:11:59 AM



#82
4-Chlorotoluene
Concen: 51.512 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





#83

tert-Butylbenzene

Concen: 52.002 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

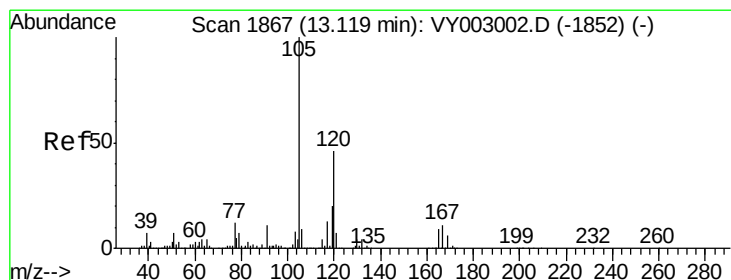
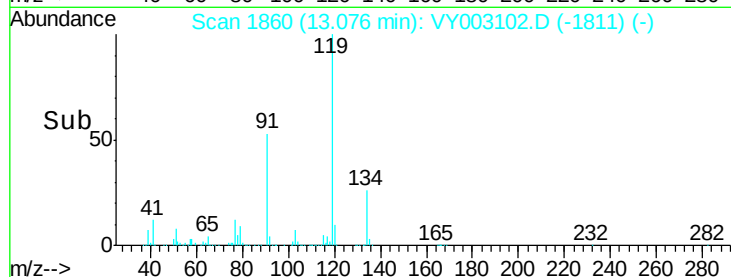
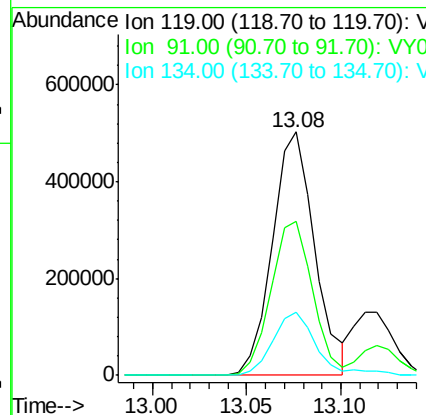
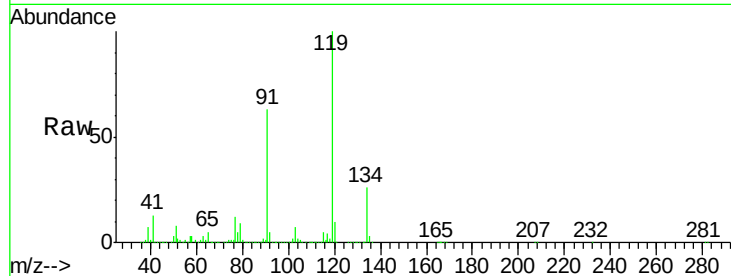
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	781986
Ion Ratio	Lower	Upper	
119	100		
91	62.4	31.6	95.0
134	26.8	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.690 ug/l

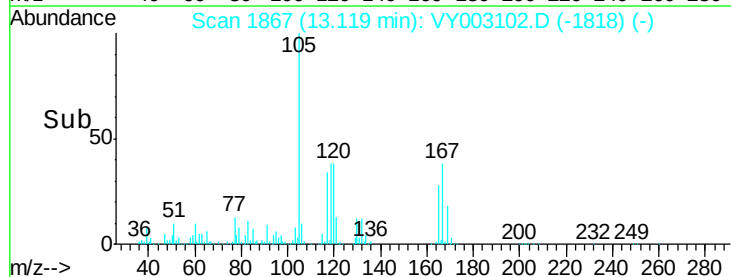
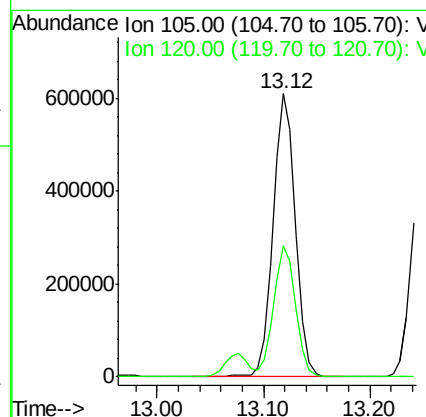
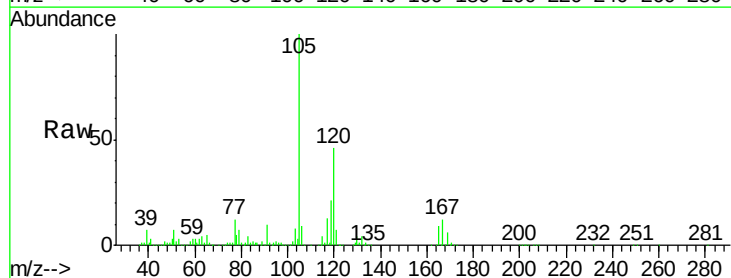
RT: 13.12 min Scan# 1867

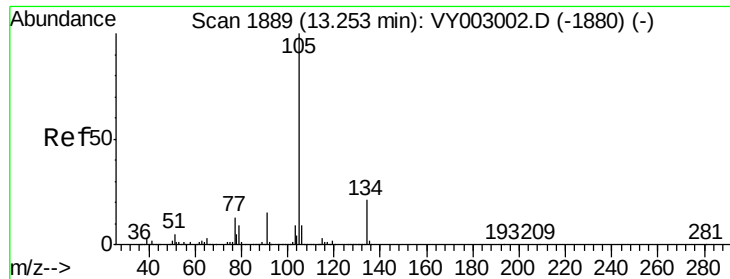
Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Tgt Ion:	105	Resp:	892000
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.6	67.8





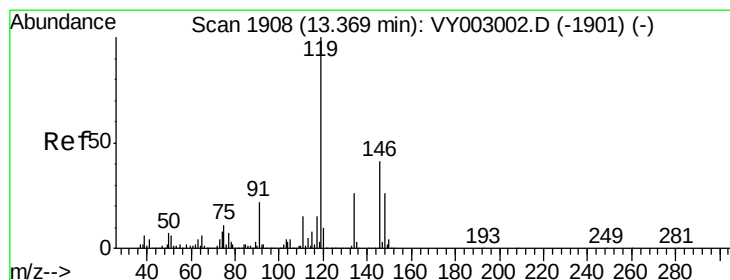
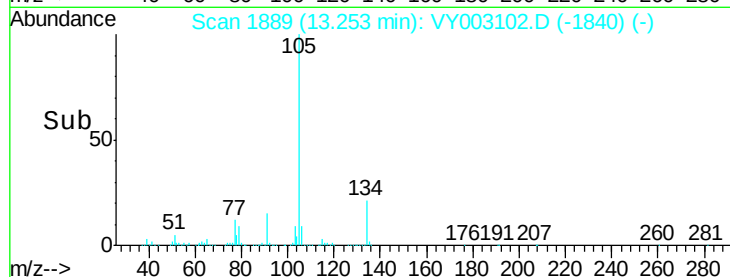
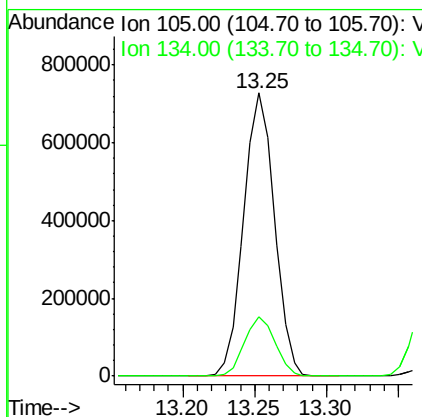
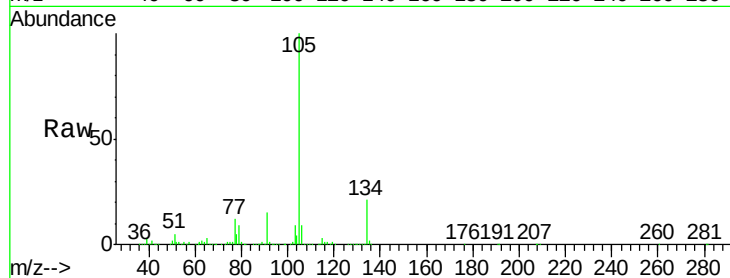
#85
 sec-Butylbenzene
 Concen: 52.143 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1080771
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.2

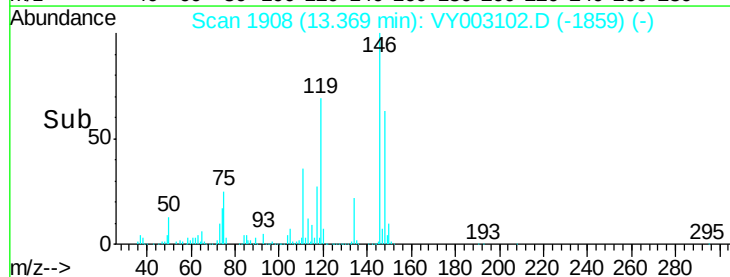
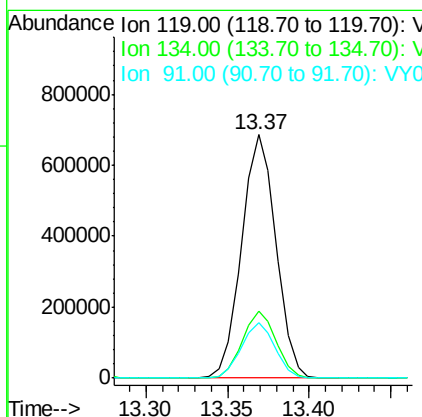
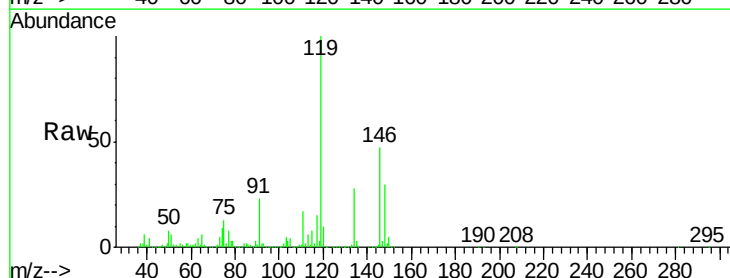
Manual Integrations
 APPROVED

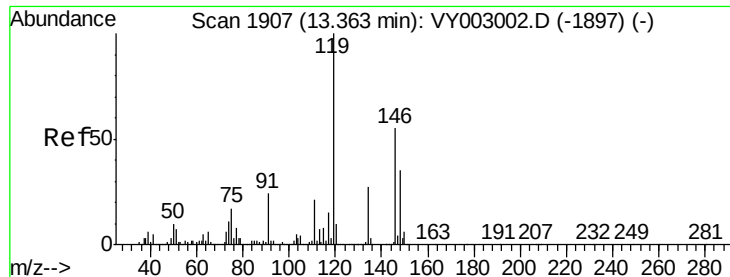
MMDadoda
 7/7/2020 11:11:59 AM



#86
 p-Isopropyltoluene
 Concen: 52.288 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion:119 Resp: 1004244
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 22.5 11.5 34.5





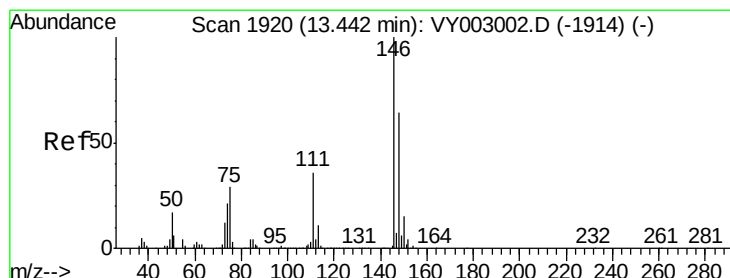
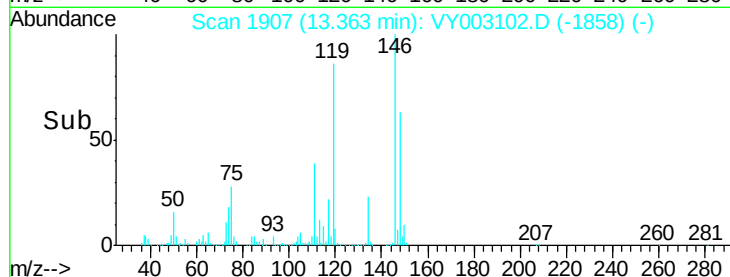
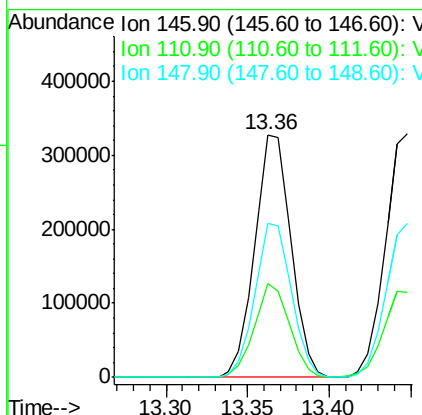
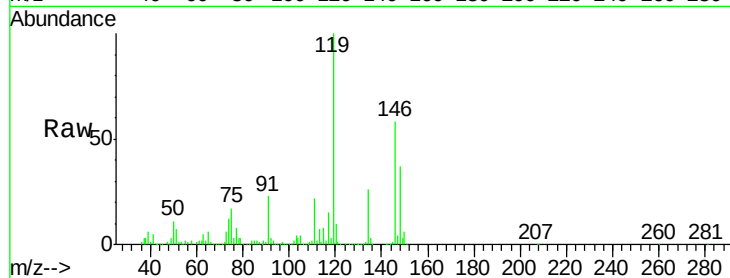
#87
 1,3-Dichlorobenzene
 Concen: 51.888 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.8	31.8	95.3

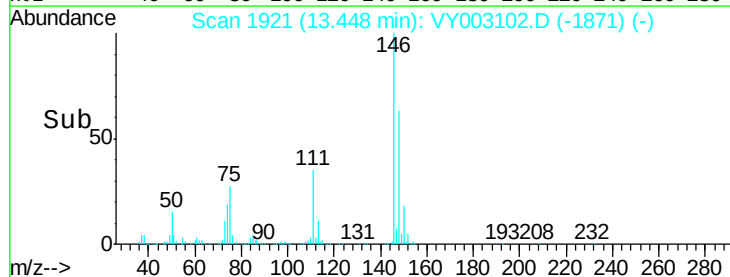
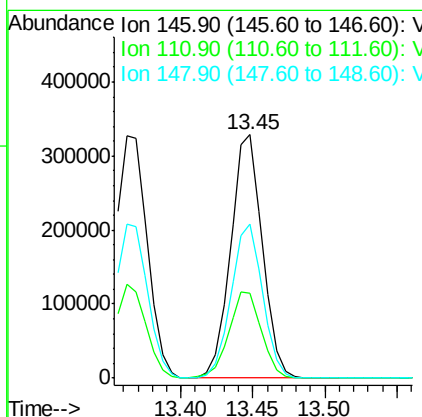
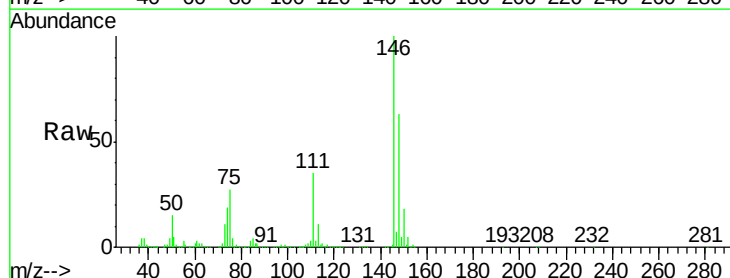
Manual Integrations
 APPROVED

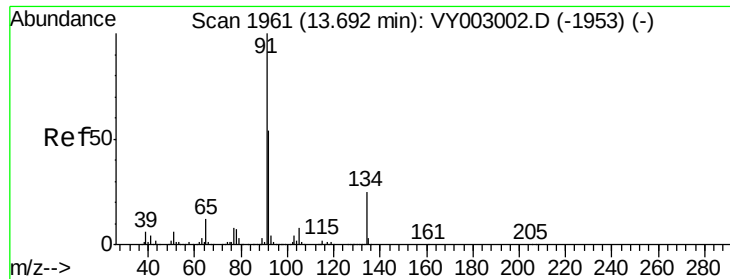
MMDadoda
 7/7/2020 11:11:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.313 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.4	55.4
148	63.0	32.3	96.9





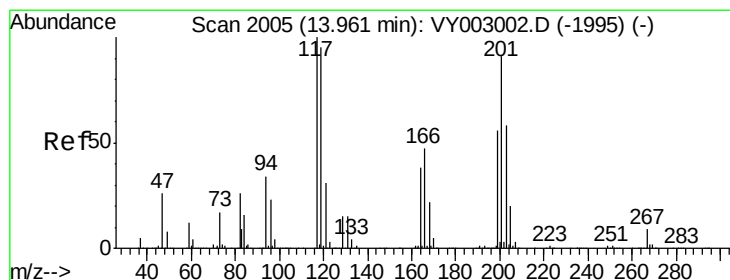
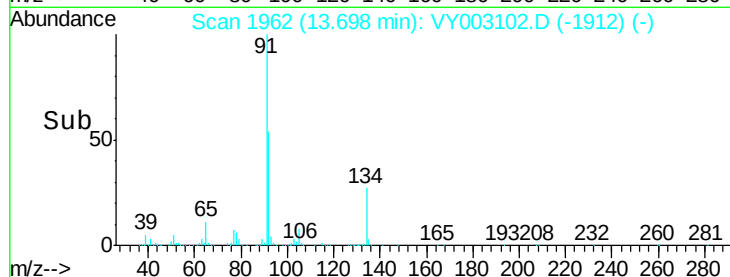
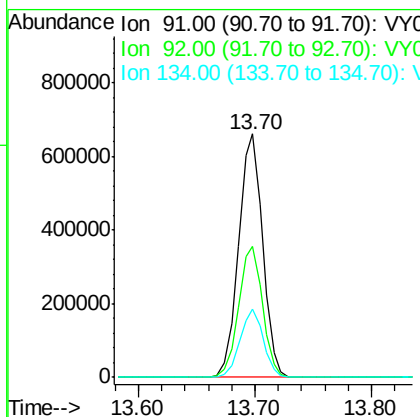
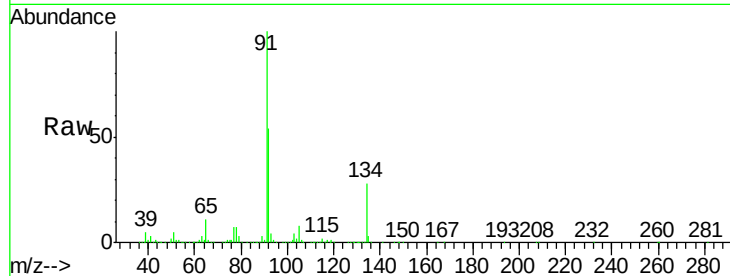
#89
n-Butylbenzene
Concen: 51.712 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	27.0	13.1	39.1

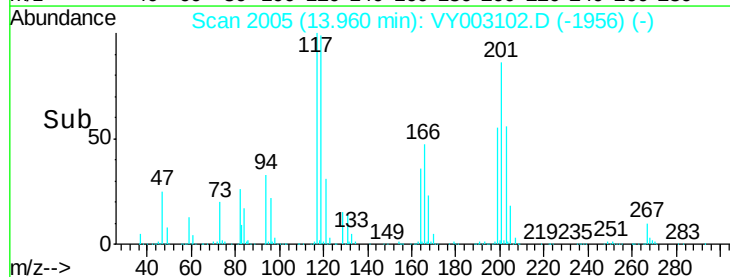
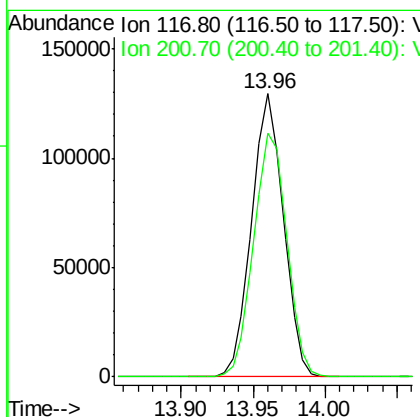
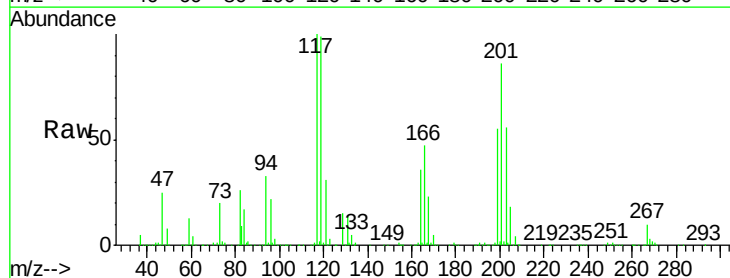
Manual Integrations
APPROVED

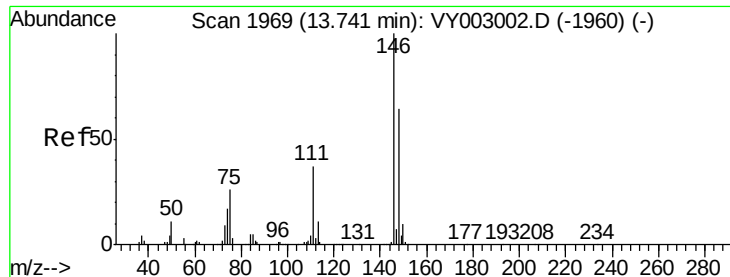
MMDadoda
7/7/2020 11:11:59 AM



#90
Hexachloroethane
Concen: 51.850 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 51.215 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003102.D

Acq: 06 Jul 2020 10:10

Instrument :

MSVOA_Y

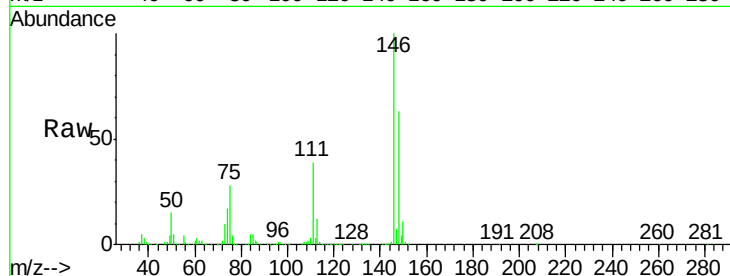
ClientSampleId :

VSTDCCC050

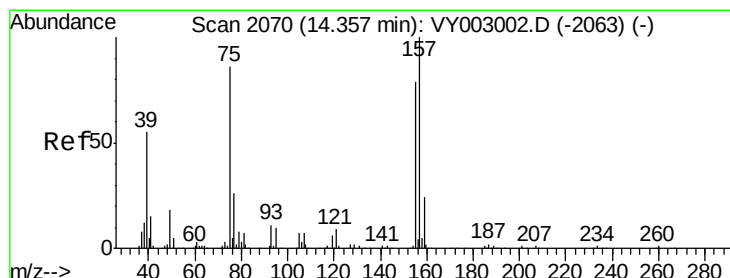
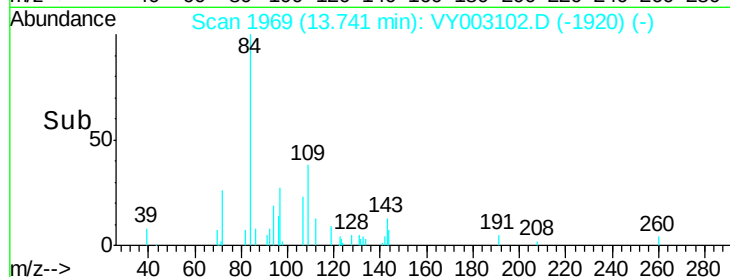
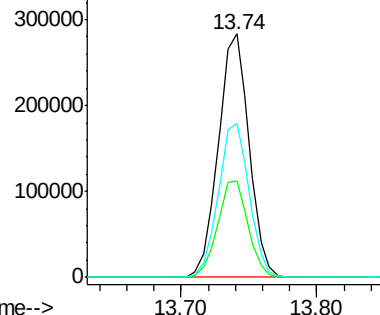
Tot Ion:	146	Resp:	448908
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.1	57.5
148	63.6	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.785 ug/l

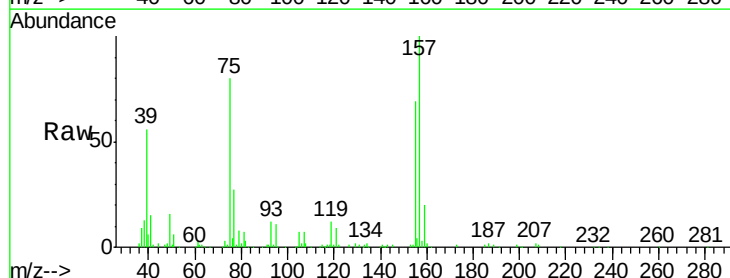
RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

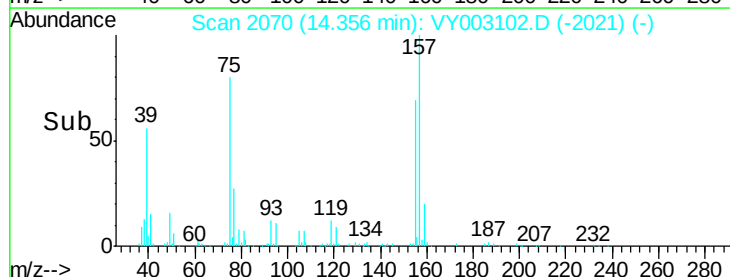
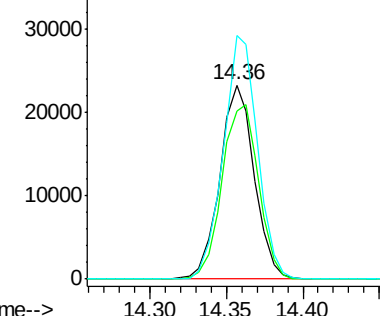
Lab File: VY003102.D

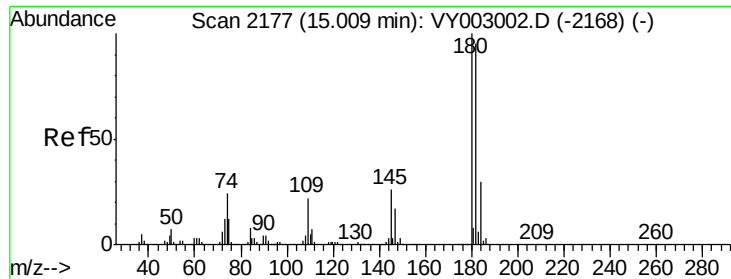
Acq: 06 Jul 2020 10:10

Tgt Ion:	75	Resp:	36297
Ion Ratio	Lower	Upper	
75	100		
155	95.4	46.5	139.3
157	124.6	59.2	177.5



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





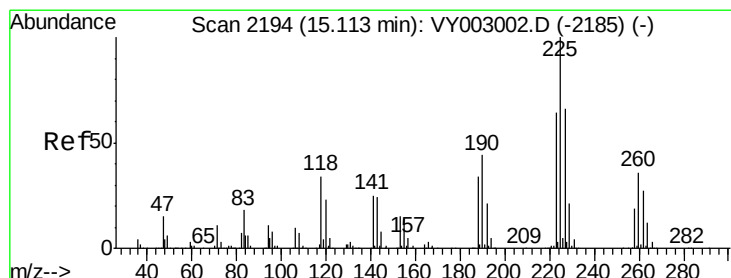
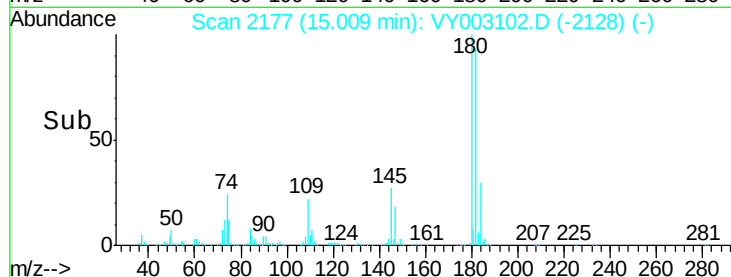
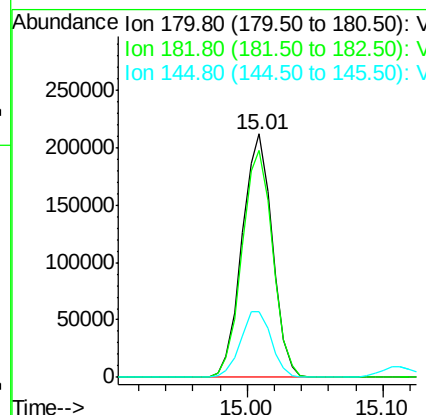
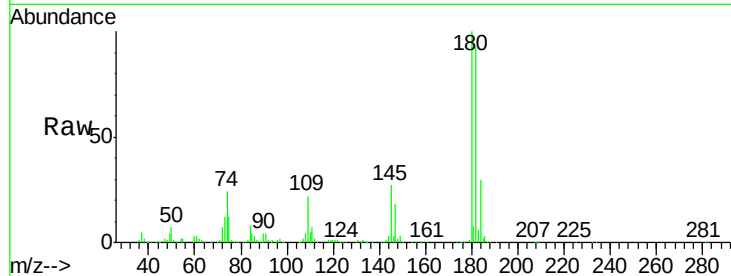
#93
 1,2,4-Trichlorobenzene
 Concen: 50.416 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	48.1	144.3	
145	27.8	13.9	41.6	

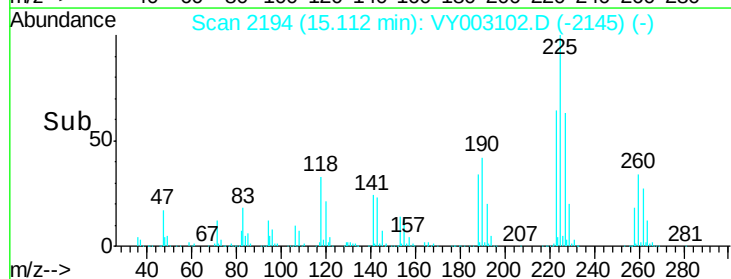
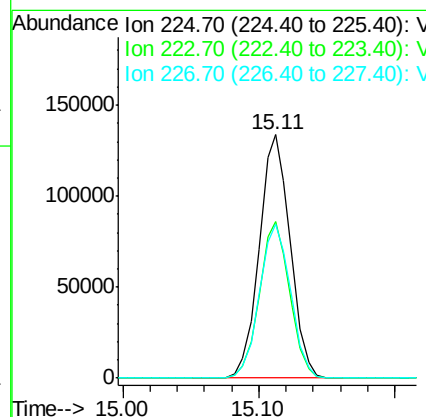
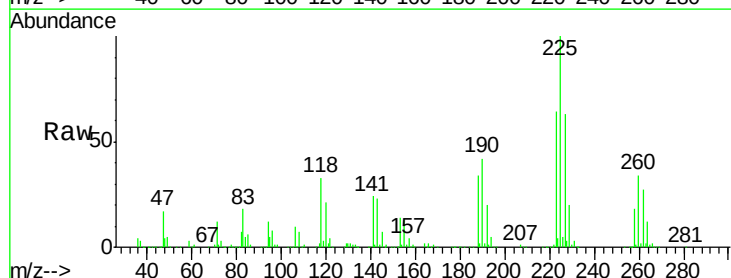
Manual Integrations
 APPROVED

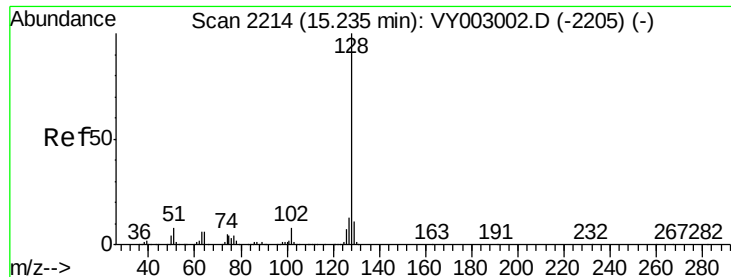
MMDadoda
 7/7/2020 11:11:59 AM



#94
 Hexachlorobutadiene
 Concen: 51.846 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003102.D
 Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	32.4	97.0	
227	63.7	32.4	97.2	





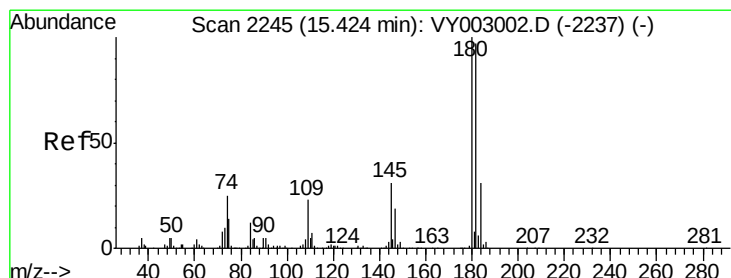
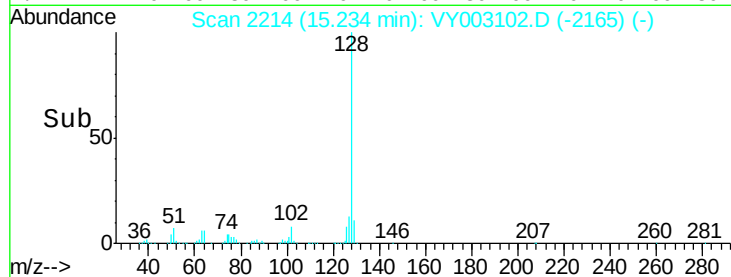
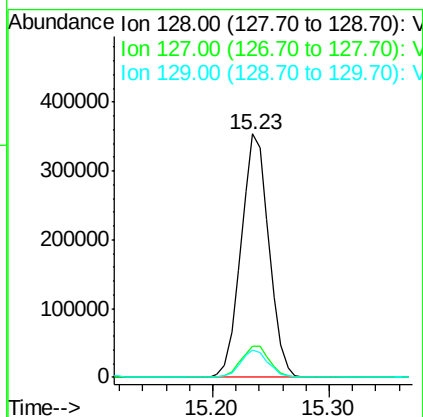
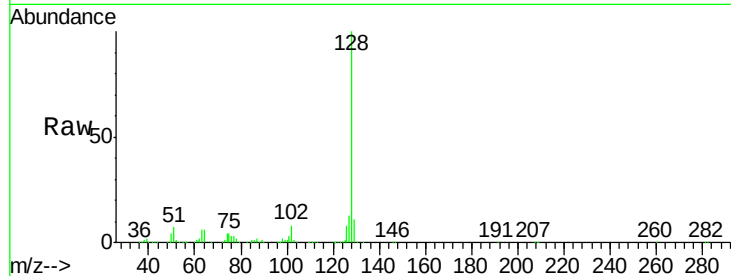
#95
Naphthalene
Concen: 49.576 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	589772		
127	13.2		10.8	16.2
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/7/2020 11:11:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.550 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003102.D
Acq: 06 Jul 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	280234		
182	94.9		47.8	143.3
145	29.0		14.7	44.1

