

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003230.D
 Acq On : 20 Jul 2020 14:40
 Operator : SY/MD
 Sample : VY0720SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/21/2020 4:58:51 PM

Quant Time: Jul 21 04:27:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	410541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	603740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	556633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	299069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	179905	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.72	113	163713	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.18	98	607166	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.48	95	223314	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65848	22.378	ug/l	99
3) Chloromethane	2.12	50	94332	23.112	ug/l	99
4) Vinyl Chloride	2.26	62	91144	21.765	ug/l	97
5) Bromomethane	2.65	94	67404	21.670	ug/l	97
6) Chloroethane	2.79	64	56142	20.412	ug/l	94
7) Trichlorofluoromethane	3.13	101	126469	21.147	ug/l	95
8) Diethyl Ether	3.54	74	43346	21.630	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	72343	20.029	ug/l	97
10) Methyl Iodide	4.10	142	65056	16.579	ug/l	98
11) Tert butyl alcohol	4.97	59	41655	111.172	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	71318	20.876	ug/l	94
13) Acrolein	3.74	56	30660	94.275	ug/l	98
14) Allyl chloride	4.48	41	121415	23.952	ug/l	95
15) Acrylonitrile	5.17	53	110248	114.527	ug/l	97
16) Acetone	3.95	43	91720	118.501	ug/l	98
17) Carbon Disulfide	4.20	76	218450	20.839	ug/l	100
18) Methyl Acetate	4.49	43	51364	23.896	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	204965	21.409	ug/l	96
20) Methylene Chloride	4.72	84	94251	21.017	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	77136	19.963	ug/l	91
22) Diisopropyl ether	6.12	45	263686	23.438	ug/l	96
23) Vinyl Acetate	6.07	43	870003	116.022	ug/l	98
24) 1,1-Dichloroethane	6.02	63	141896	21.770	ug/l	98
25) 2-Butanone	6.99	43	149318	117.496	ug/l	98
26) 2,2-Dichloropropane	6.99	77	124600	21.227	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	86736	20.388	ug/l	95
28) Bromochloromethane	7.34	49	70881	25.118	ug/l	89
29) Tetrahydrofuran	7.35	42	101802	119.244	ug/l	94
30) Chloroform	7.52	83	141049	21.011	ug/l	99
31) Cyclohexane	7.78	56	134203	21.293	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	127552	21.106	ug/l	98
36) 1,1-Dichloropropene	7.92	75	111241	20.330	ug/l	99
37) Ethyl Acetate	7.08	43	70382	23.884	ug/l	95
38) Carbon Tetrachloride	7.90	117	113379	20.071	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003230.D
 Acq On : 20 Jul 2020 14:40
 Operator : SY/MD
 Sample : VY0720SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/21/2020 4:58:51 PM

Quant Time: Jul 21 04:27:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	137130	19.949	ug/l	97
40) Benzene	8.16	78	307989	20.442	ug/l	97
41) Methacrylonitrile	7.33	41	36829m	20.752	ug/l	
42) 1,2-Dichloroethane	8.24	62	97637	21.049	ug/l	99
43) Isopropyl Acetate	8.28	43	127382	22.333	ug/l	98
44) Trichloroethene	8.94	130	88383	19.136	ug/l	99
45) 1,2-Dichloropropane	9.22	63	82573	21.180	ug/l	97
46) Dibromomethane	9.31	93	46215	20.296	ug/l	98
47) Bromodichloromethane	9.50	83	113823	21.018	ug/l	99
48) Methyl methacrylate	9.29	41	56446	22.136	ug/l	95
49) 1,4-Dioxane	9.30	88	11222	388.316	ug/l #	84
51) 4-Methyl-2-Pentanone	10.07	43	340945	115.002	ug/l	96
52) Toluene	10.24	92	191625	19.898	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	117306	20.907	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	134547	20.812	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	64428	19.968	ug/l	97
56) Ethyl methacrylate	10.51	69	92489	21.084	ug/l	97
57) 1,3-Dichloropropane	10.79	76	112864	20.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	255552	114.227	ug/l	96
59) 2-Hexanone	10.83	43	235741	113.908	ug/l	97
60) Dibromochloromethane	10.99	129	81720	20.136	ug/l	98
61) 1,2-Dibromoethane	11.09	107	63812	20.038	ug/l	99
64) Tetrachloroethene	10.72	164	87675	17.665	ug/l	96
65) Chlorobenzene	11.52	112	213346	19.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	81392	19.543	ug/l	99
67) Ethyl Benzene	11.60	91	380929	19.896	ug/l	97
68) m/p-Xylenes	11.70	106	286433	39.428	ug/l	99
69) o-Xylene	12.03	106	133774	19.711	ug/l	97
70) Styrene	12.05	104	228583	19.689	ug/l	98
71) Bromoform	12.20	173	53098	19.425	ug/l #	99
73) Isopropylbenzene	12.33	105	372173	19.528	ug/l	99
74) N-amyl acetate	12.14	43	118147	22.093	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	78317	21.277	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	57823m	21.842	ug/l	
77) Bromobenzene	12.61	156	94423	19.436	ug/l	96
78) n-propylbenzene	12.67	91	446967	19.896	ug/l	99
79) 2-Chlorotoluene	12.75	91	250005	19.946	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	309514	19.485	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28217	20.744	ug/l #	80
82) 4-Chlorotoluene	12.85	91	265909	20.325	ug/l	98
83) tert-Butylbenzene	13.08	119	271013	19.336	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	311645	19.499	ug/l	99
85) sec-Butylbenzene	13.25	105	382556	19.858	ug/l	99
86) p-Isopropyltoluene	13.37	119	349082	19.407	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	178400	19.419	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	178186	19.590	ug/l	99
89) n-Butylbenzene	13.70	91	339538	20.068	ug/l	100
90) Hexachloroethane	13.96	117	65766	20.077	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	158602	19.672	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11542	19.341	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
Data File : VY003230.D
Acq On : 20 Jul 2020 14:40
Operator : SY/MD
Sample : VY0720SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

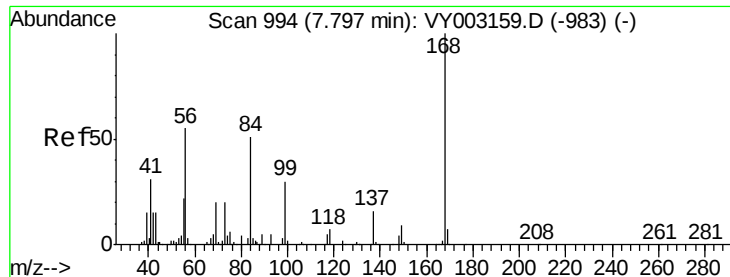
Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM

Quant Time: Jul 21 04:27:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	115135	20.074	ug/l	100
94) Hexachlorobutadiene	15.11	225	79510	20.231	ug/l	97
95) Naphthalene	15.24	128	192889	20.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	89367	19.711	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:168 Resp: 410541

Ion Ratio Lower Upper

168 100

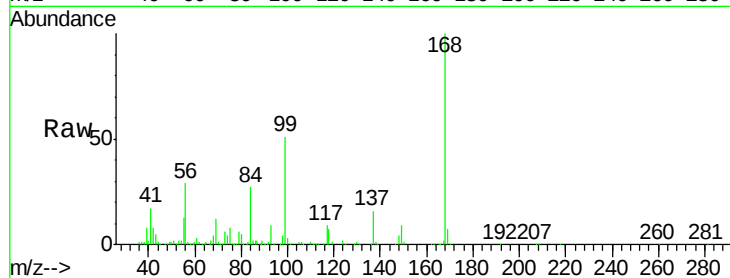
99 50.9 37.3 55.9

Manual Integrations

APPROVED

MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

200000

150000

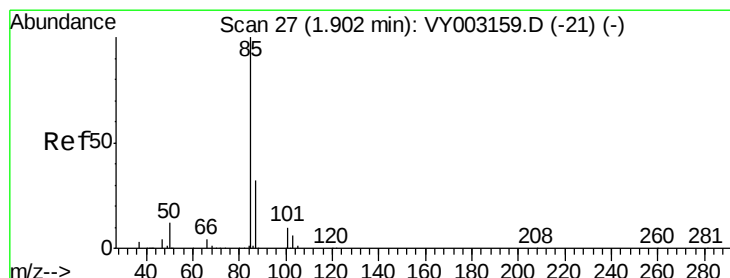
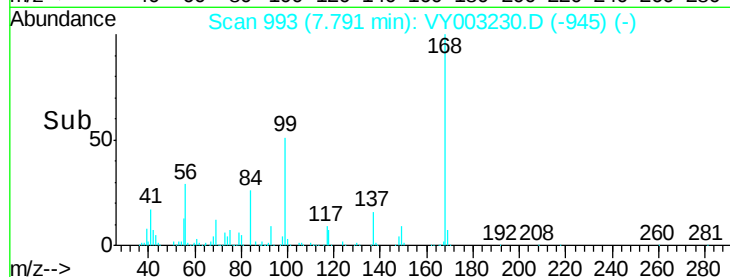
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.378 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003230.D

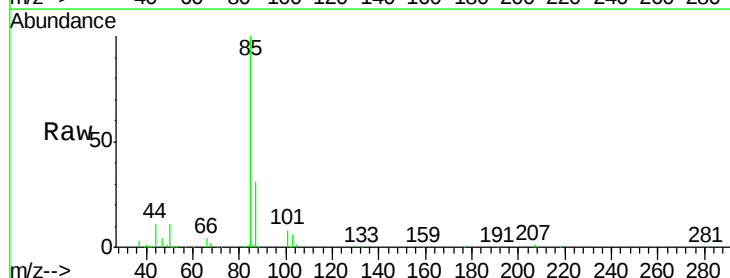
Acq: 20 Jul 2020 14:40

Tgt Ion: 85 Resp: 65848

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

50000

40000

30000

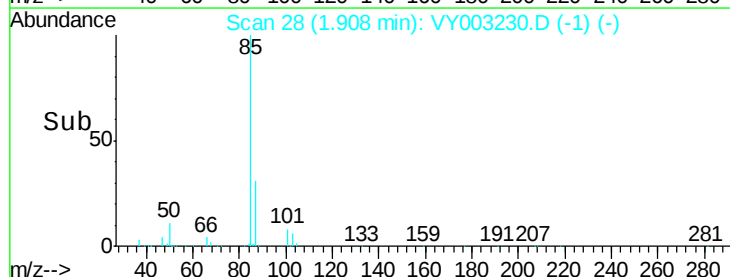
20000

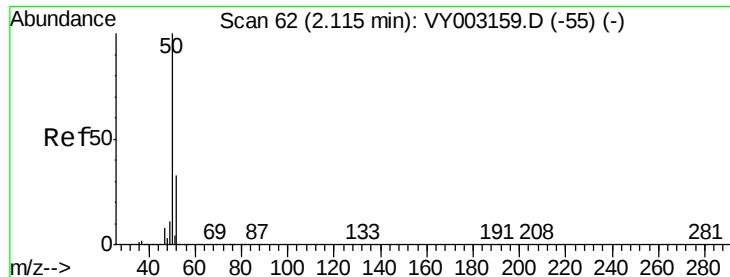
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 23.112 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 50 Resp: 94332

Ion Ratio Lower Upper

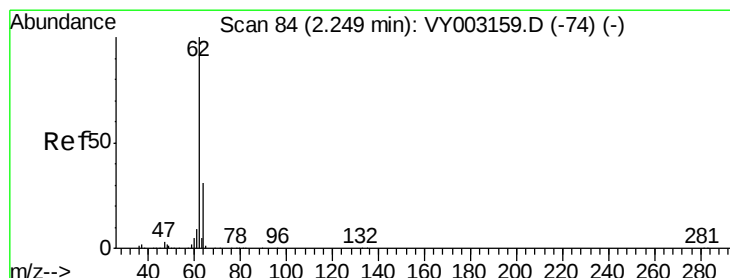
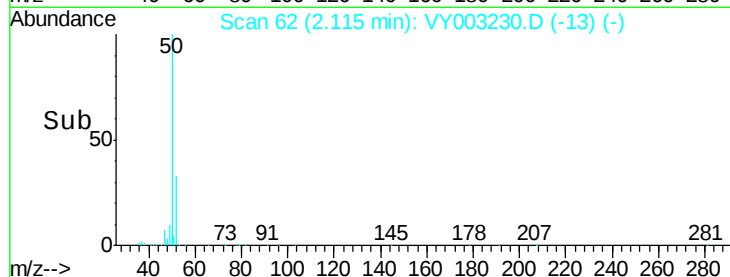
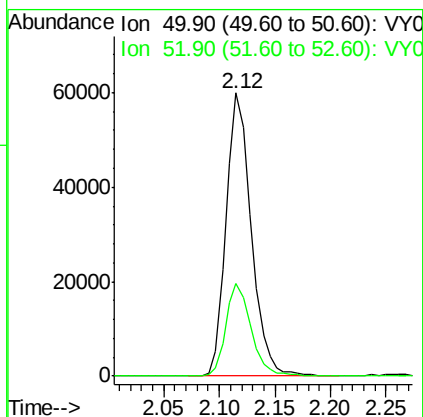
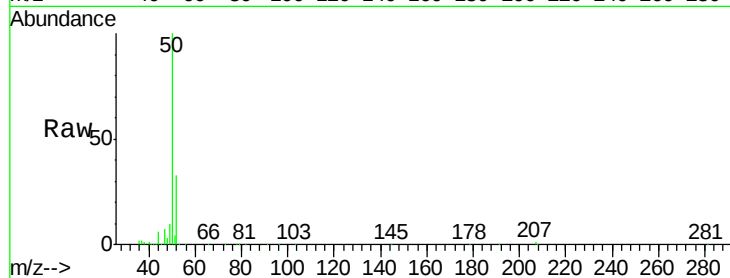
50 100

52 32.6 26.6 39.8

Manual Integrations
APPROVED

MMDadoda

7/21/2020 4:58:51 PM



#4

Vinyl Chloride

Concen: 21.765 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003230.D

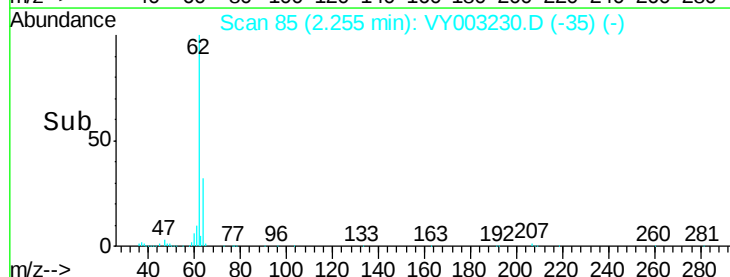
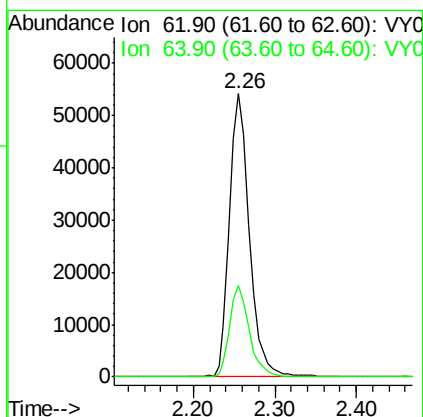
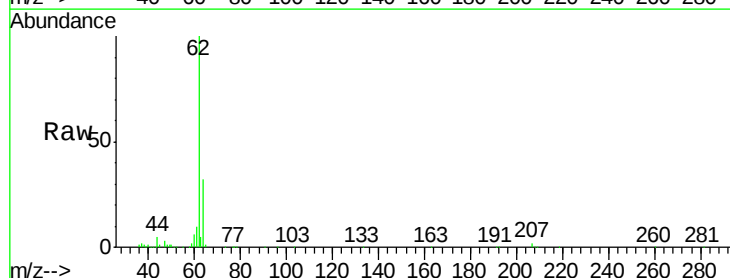
Acq: 20 Jul 2020 14:40

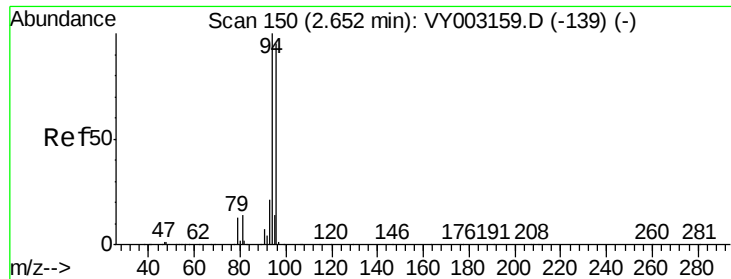
Tgt Ion: 62 Resp: 91144

Ion Ratio Lower Upper

62 100

64 32.4 24.6 37.0





#5

Bromomethane

Concen: 21.670 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 94 Resp: 67404

Ion Ratio Lower Upper

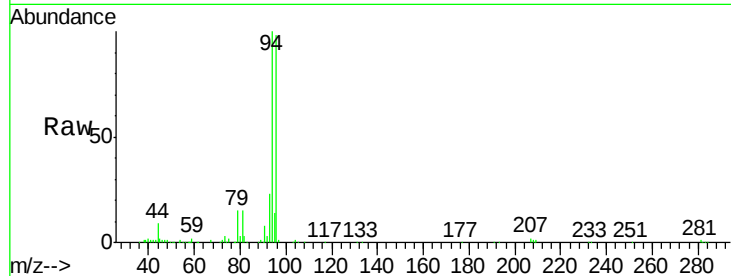
94 100

96 97.9 76.0 114.0

Manual Integrations
APPROVED

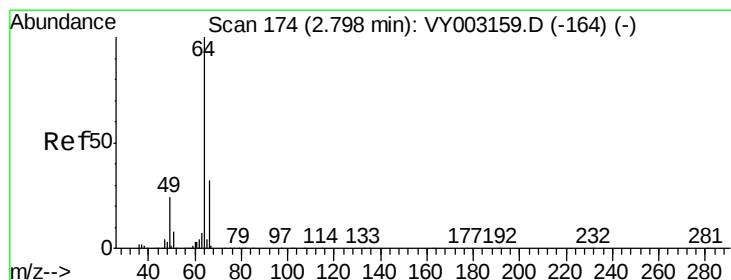
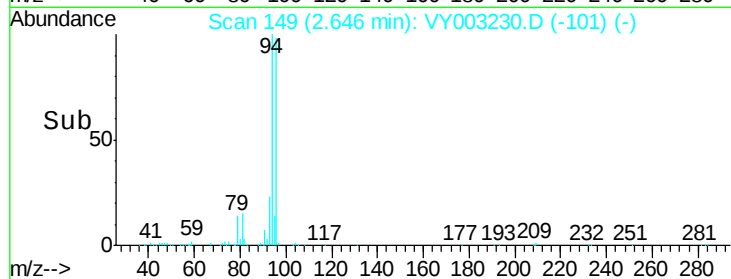
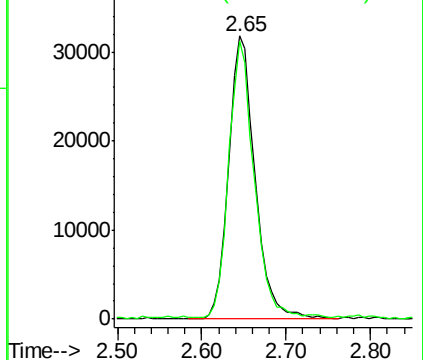
MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.412 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003230.D

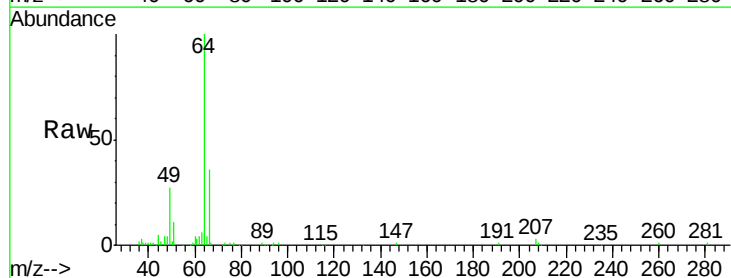
Acq: 20 Jul 2020 14:40

Tgt Ion: 64 Resp: 56142

Ion Ratio Lower Upper

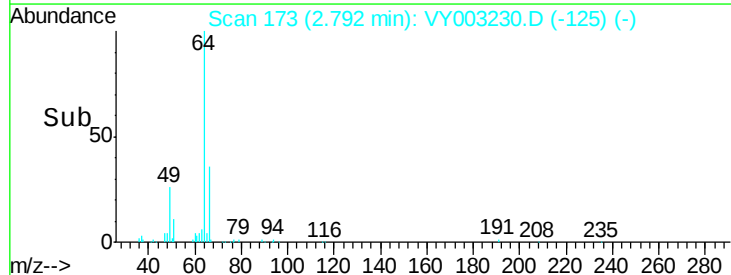
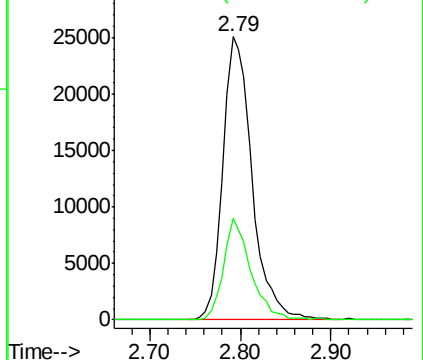
64 100

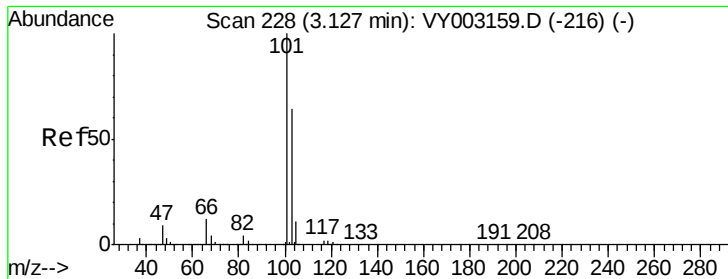
66 35.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

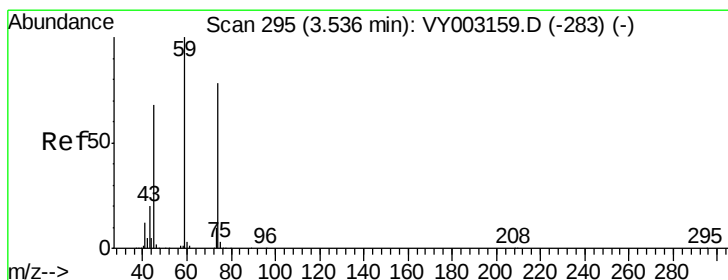
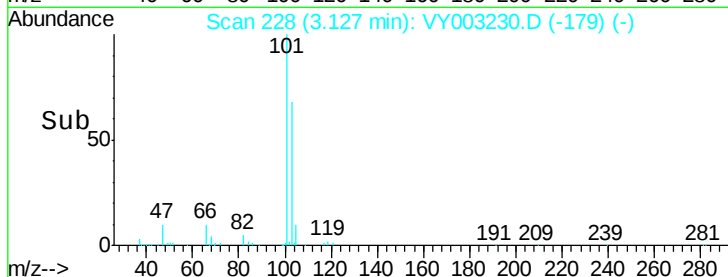
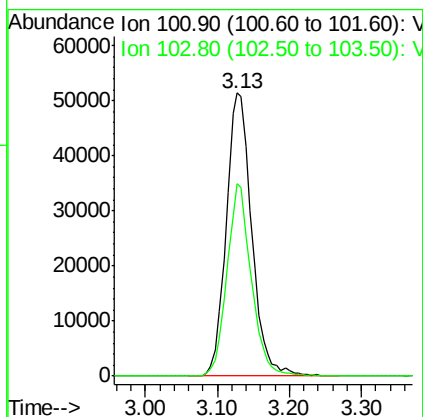
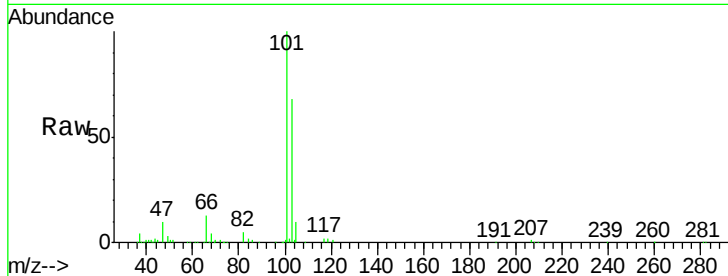
Trichlorofluoromethane
Concen: 21.147 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.3	76.9

Manual Integrations
APPROVED

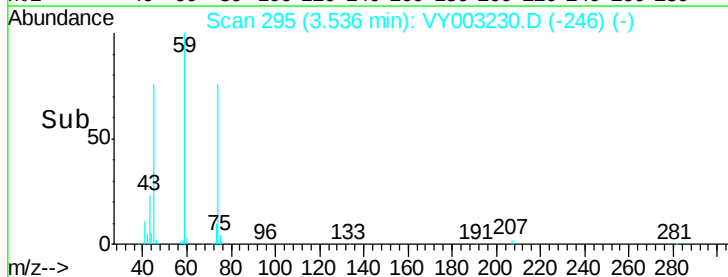
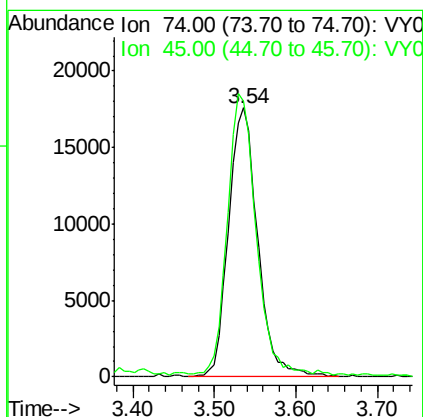
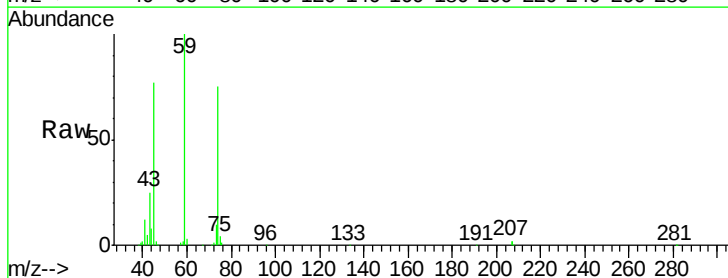
MMDadoda
7/21/2020 4:58:51 PM

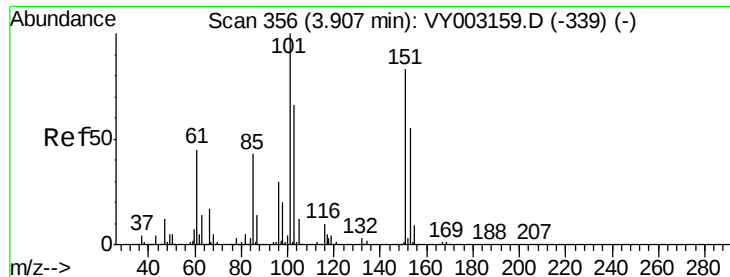


#8

Diethyl Ether
Concen: 21.630 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	45.3	135.8





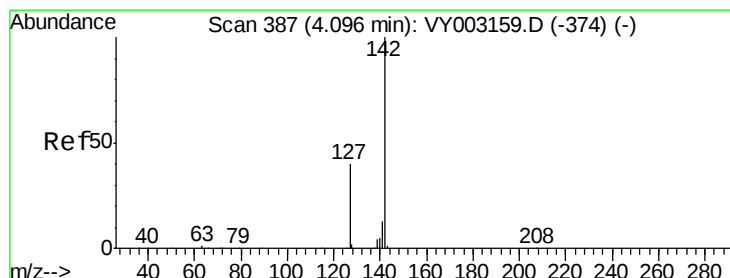
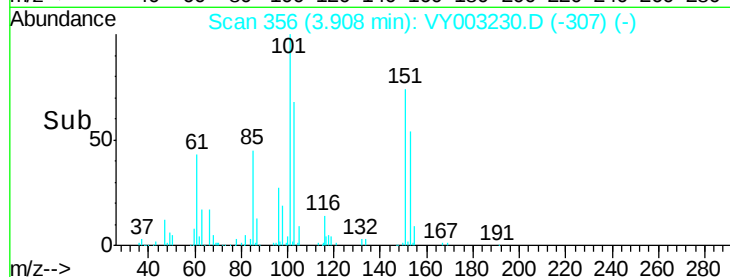
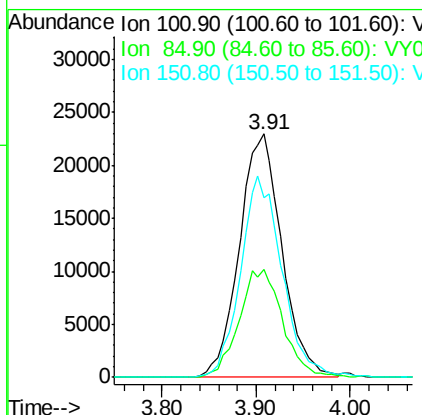
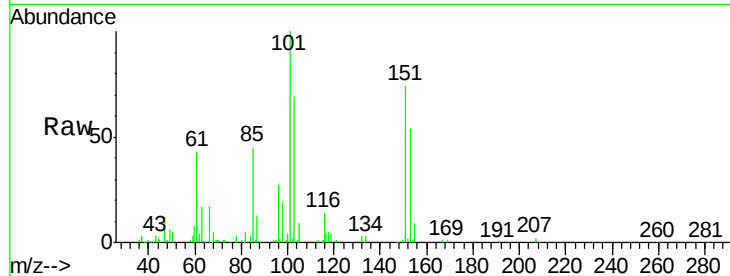
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.029 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	34.9	52.3
151	81.4	67.0	100.6

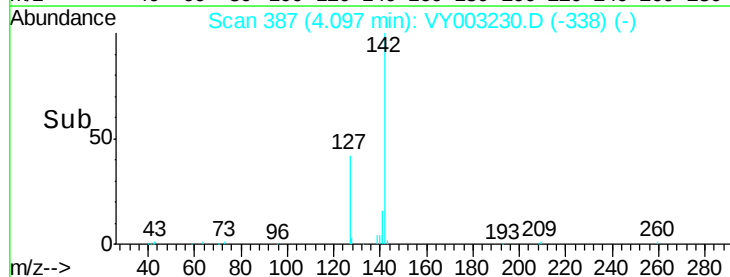
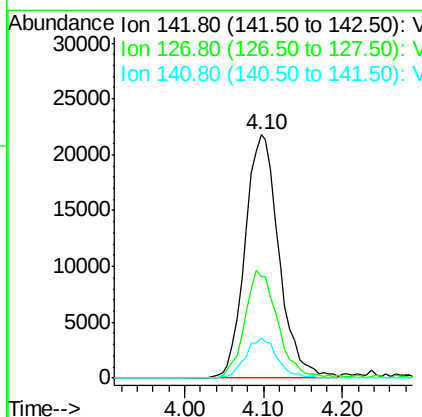
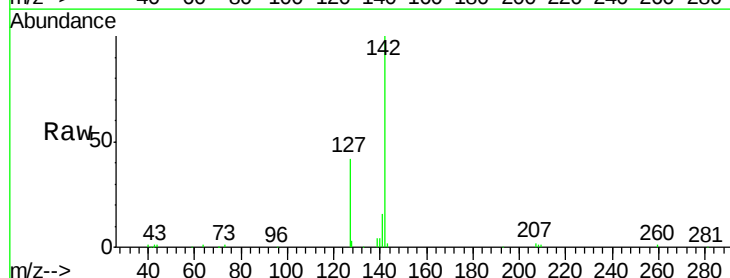
Manual Integrations
 APPROVED

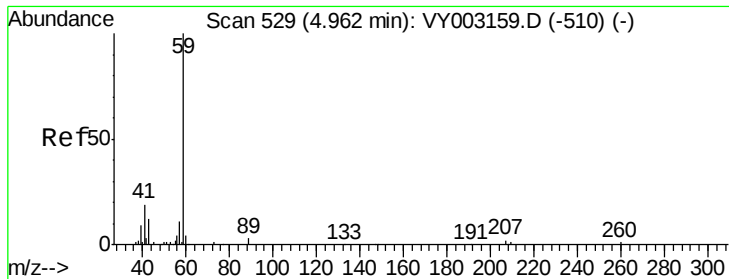
MMDadoda
 7/21/2020 4:58:51 PM



#10
 Methyl Iodide
 Concen: 16.579 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.5	50.3
141	15.4	11.2	16.8





#11

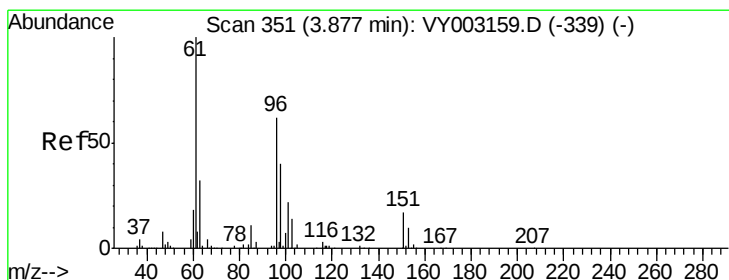
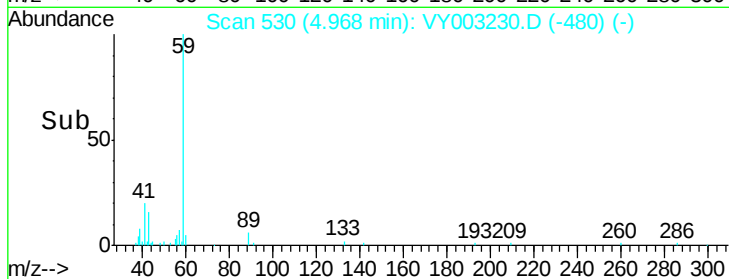
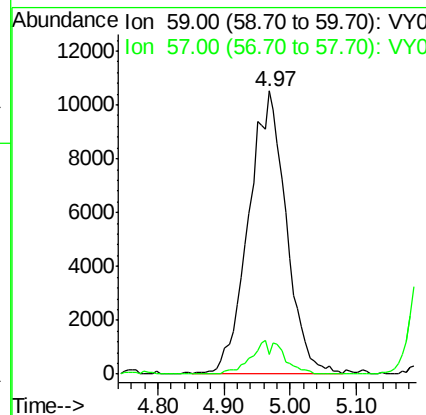
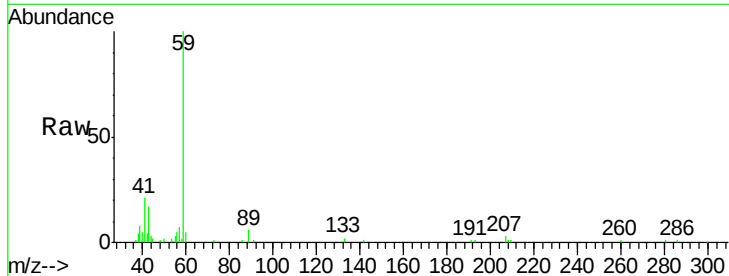
Tert butyl alcohol
Concen: 111.172 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.4	12.6#

Manual Integrations
APPROVED

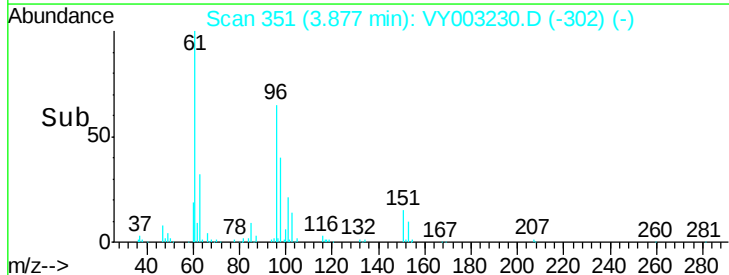
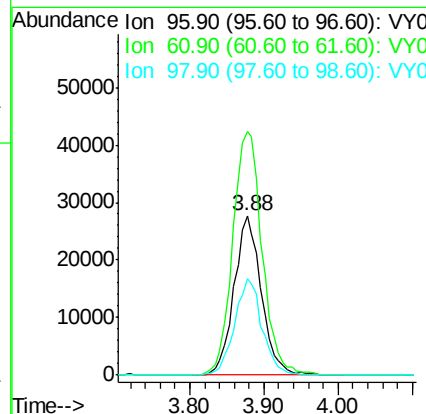
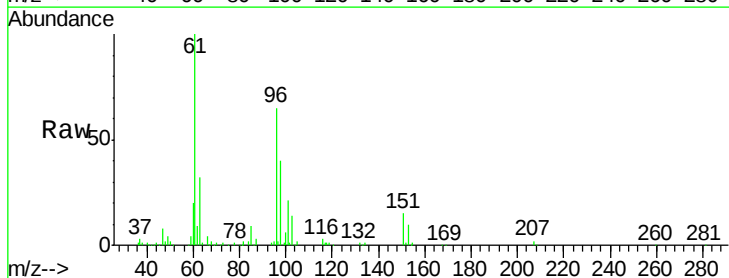
MMDadoda
7/21/2020 4:58:51 PM

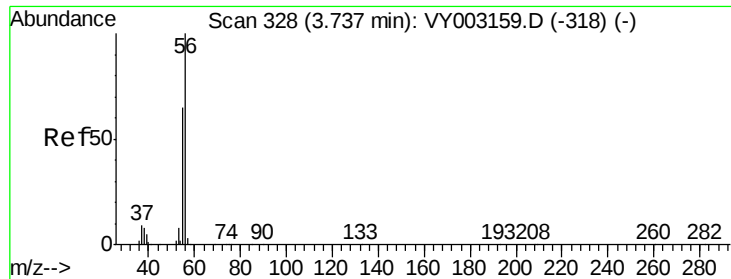


#12

1,1-Dichloroethene
Concen: 20.876 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	128.6	193.0
98	60.7	51.6	77.4





#13

Acrolein

Concen: 94.275 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 56 Resp: 30660

Ion Ratio Lower Upper

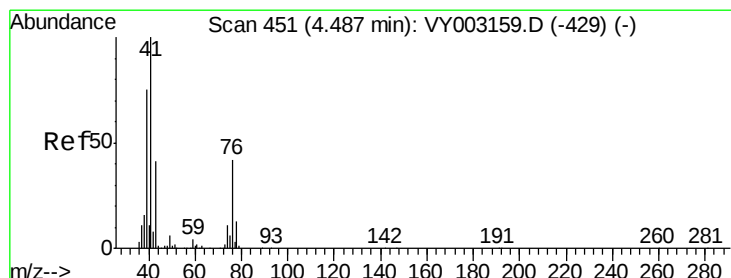
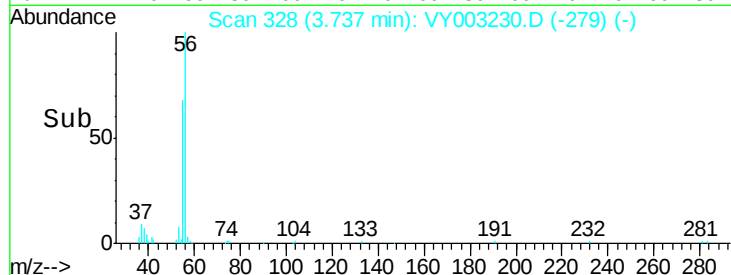
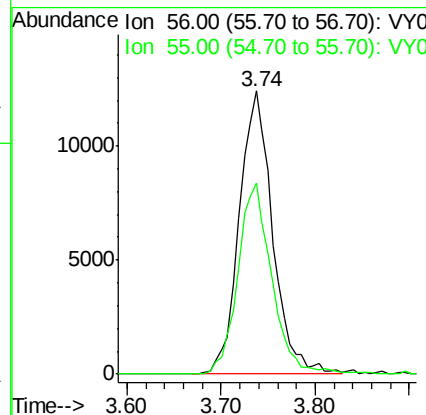
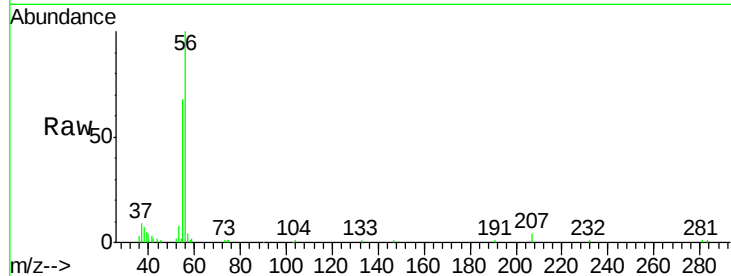
56 100

55 68.4 56.0 84.0

Manual Integrations
APPROVED

MMDadoda

7/21/2020 4:58:51 PM



#14

Allyl chloride

Concen: 23.952 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

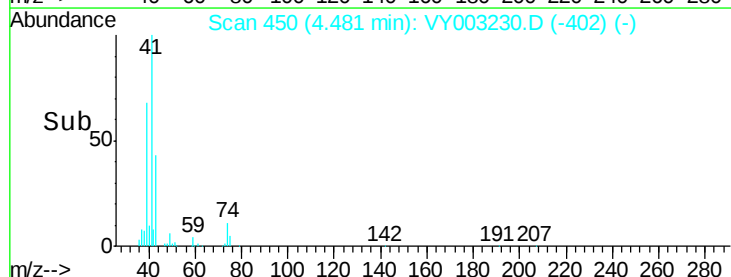
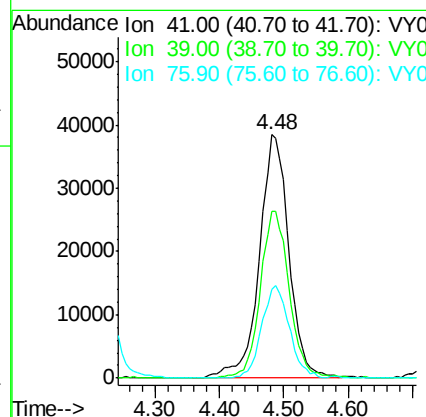
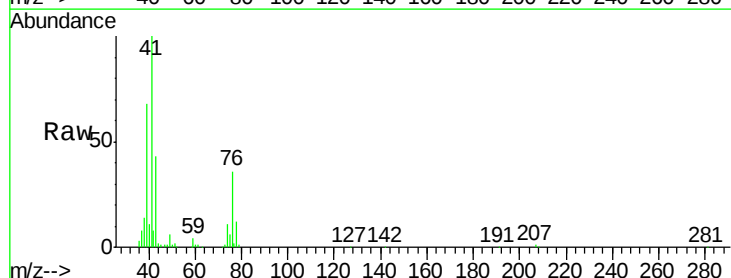
Tgt Ion: 41 Resp: 121415

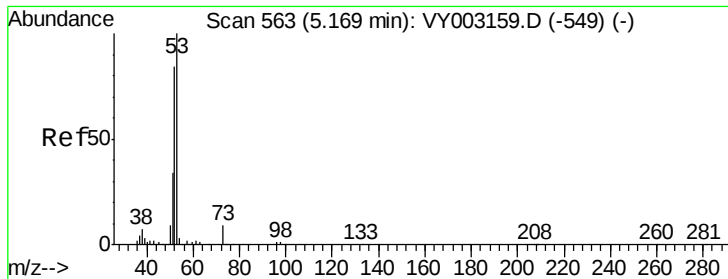
Ion Ratio Lower Upper

41 100

39 67.4 56.6 85.0

76 35.6 31.6 47.4





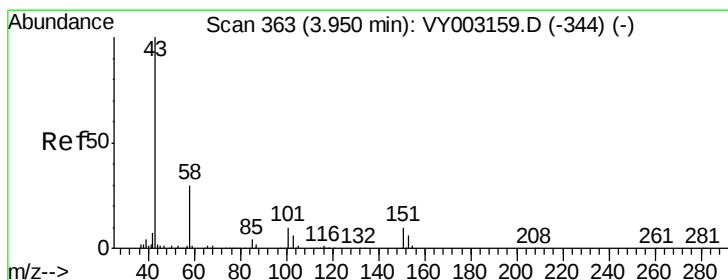
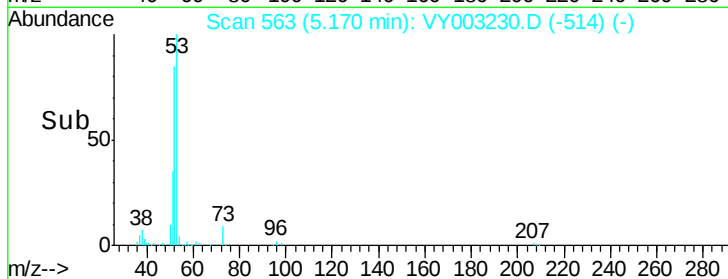
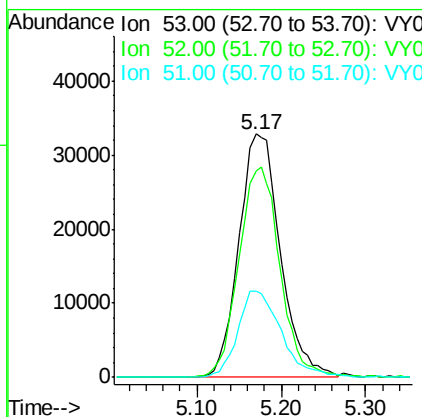
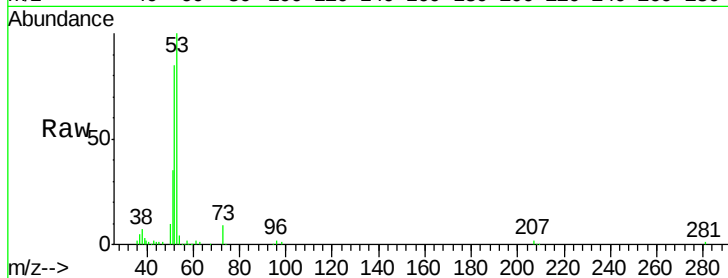
#15
 Acrylonitrile
 Concen: 114.527 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion:	53	Resp:	110248
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.8	98.6
51	37.0	29.0	43.4

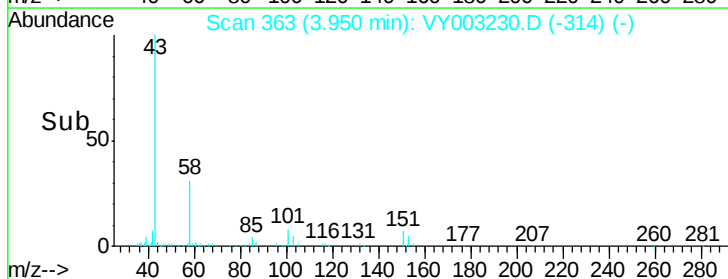
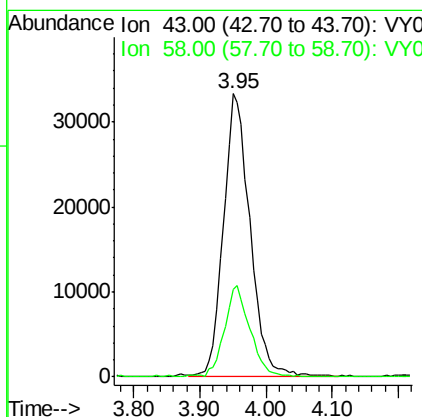
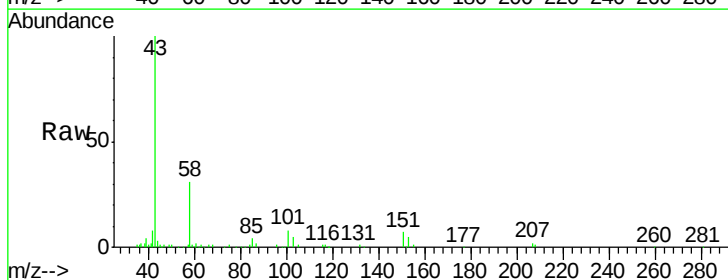
Manual Integrations
 APPROVED

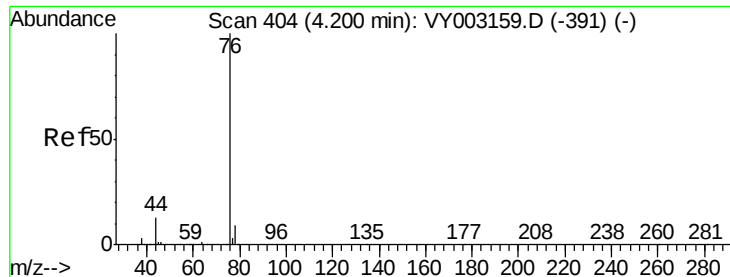
MMDadoda
 7/21/2020 4:58:51 PM



#16
 Acetone
 Concen: 118.501 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion:	43	Resp:	91720
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.6





#17

Carbon Disulfide

Concen: 20.839 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 76 Resp: 218450

Ion Ratio Lower Upper

76 100

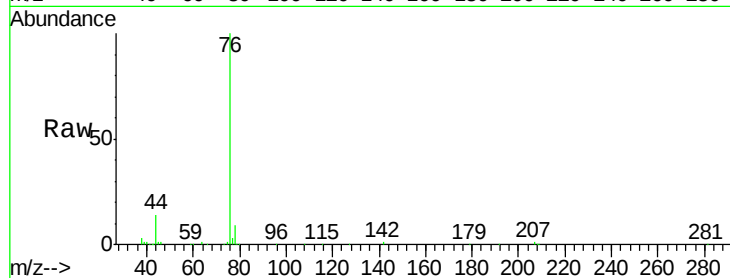
78 9.1 7.3 10.9

Manual Integrations

APPROVED

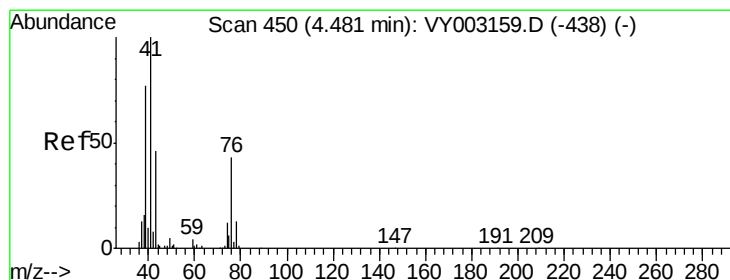
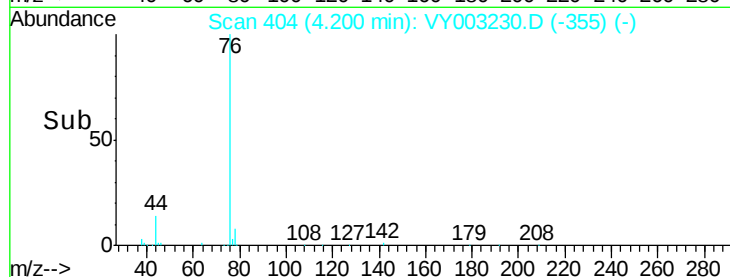
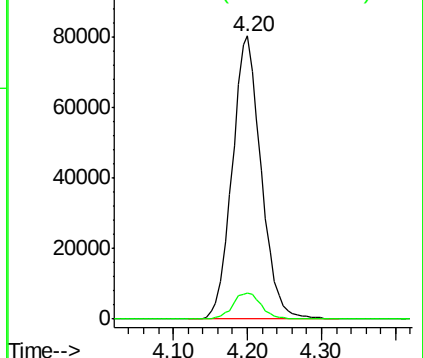
MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 23.896 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003230.D

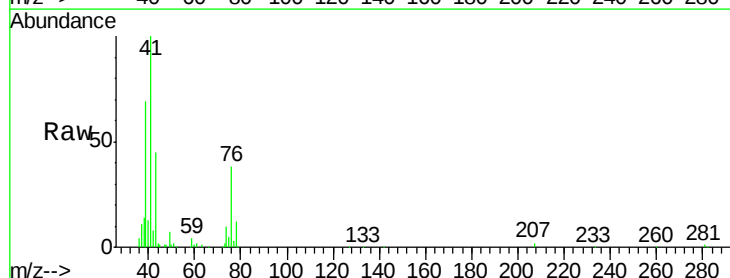
Acq: 20 Jul 2020 14:40

Tgt Ion: 43 Resp: 51364

Ion Ratio Lower Upper

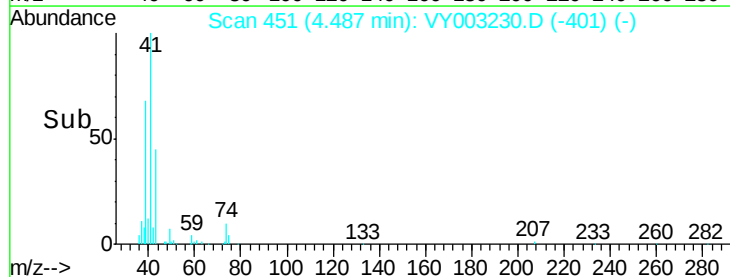
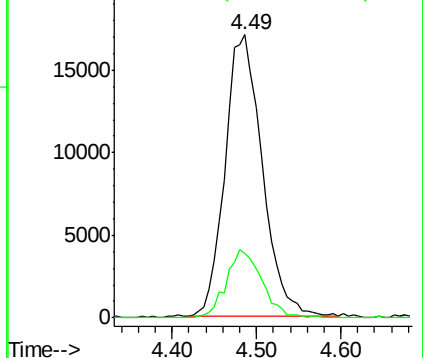
43 100

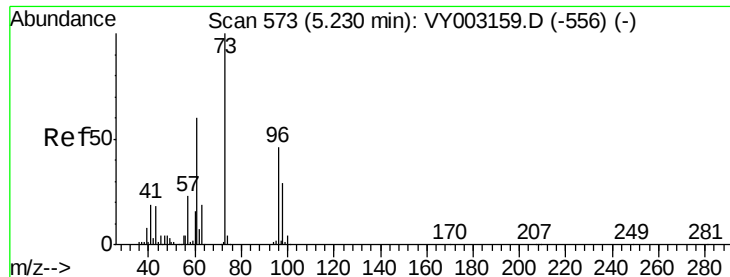
74 23.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





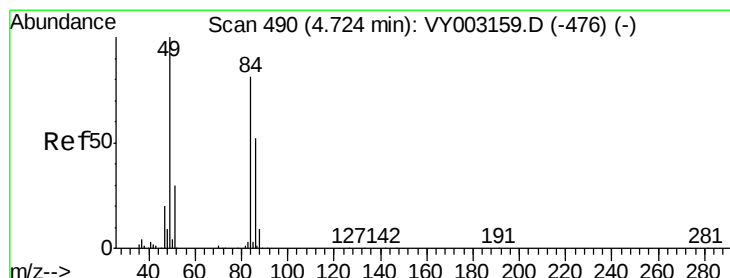
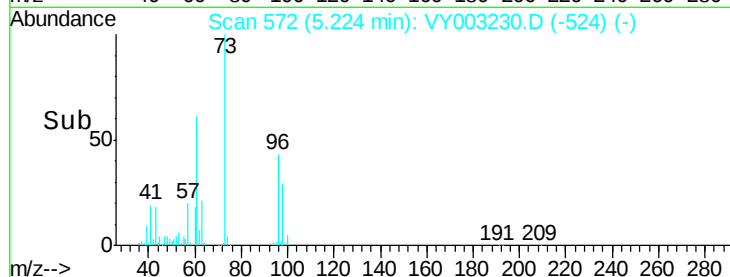
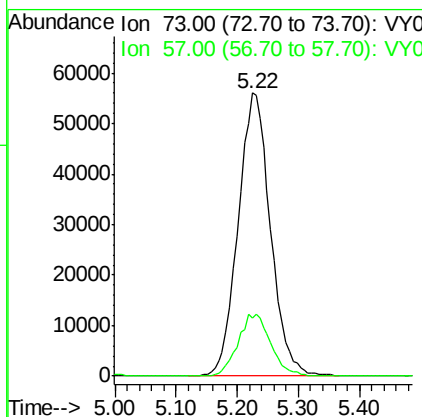
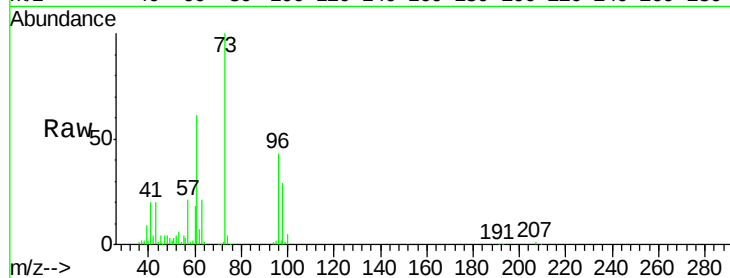
#19
Methvl tert-butvl Ether
Concen: 21.409 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.1	27.1

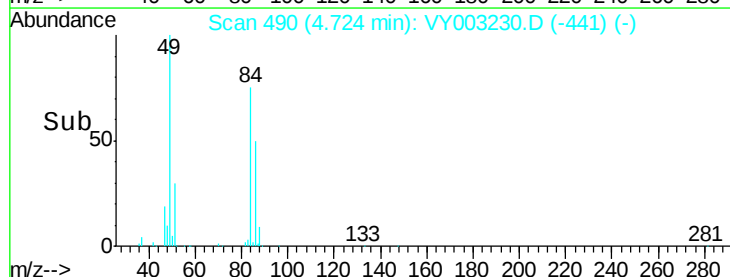
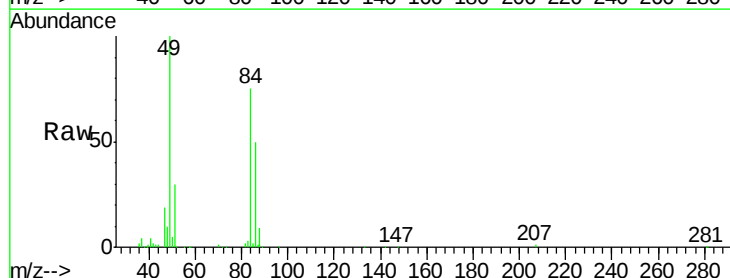
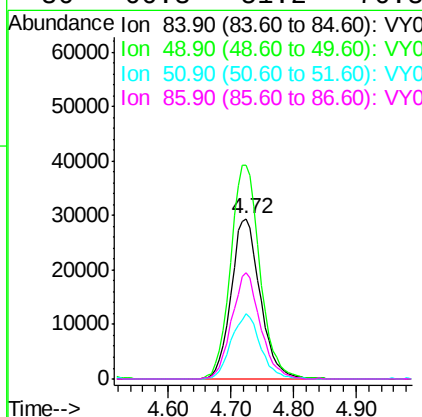
Manual Integrations
APPROVED

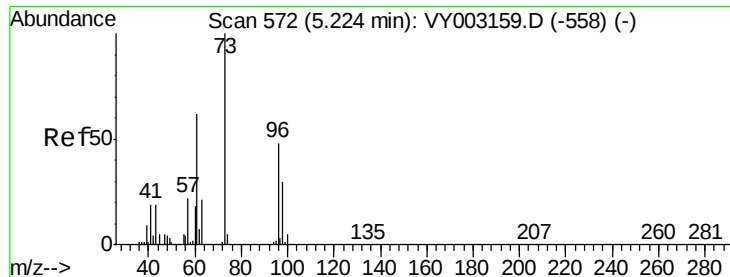
MMDadoda
7/21/2020 4:58:51 PM



#20
Methylene Chloride
Concen: 21.017 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	98.2	147.4
51	40.5	29.8	44.6
86	66.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.963 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 96 Resp: 77136

Ion Ratio Lower Upper

96 100

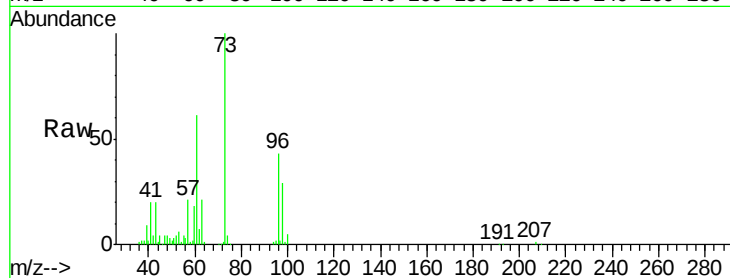
61 141.4 102.5 153.7

98 66.4 49.8 74.8

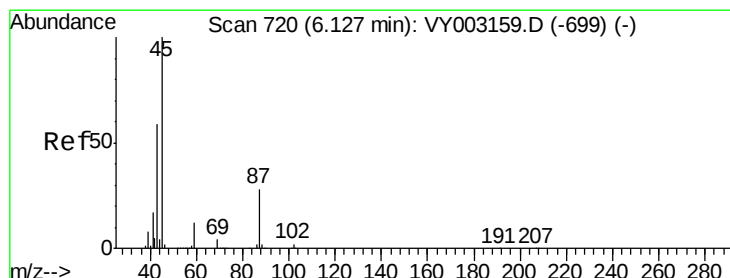
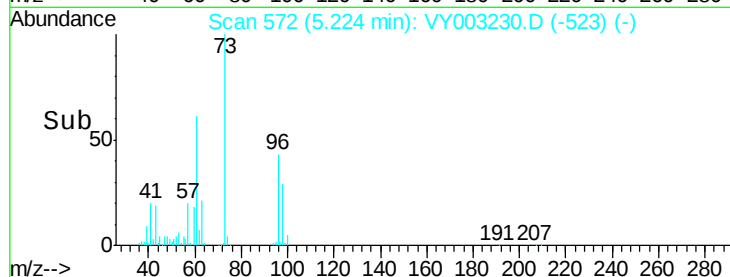
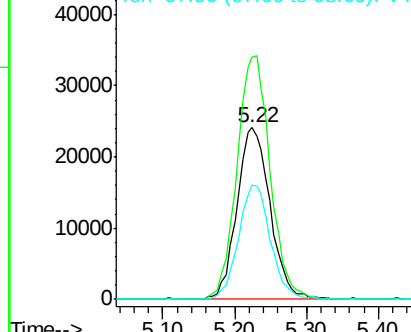
Manual Integrations
APPROVED

MMDadoda

7/21/2020 4:58:51 PM



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



#22

Diisopropyl ether

Concen: 23.438 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion: 45 Resp: 263686

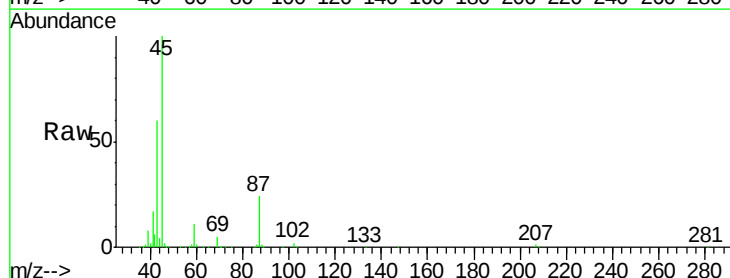
Ion Ratio Lower Upper

45 100

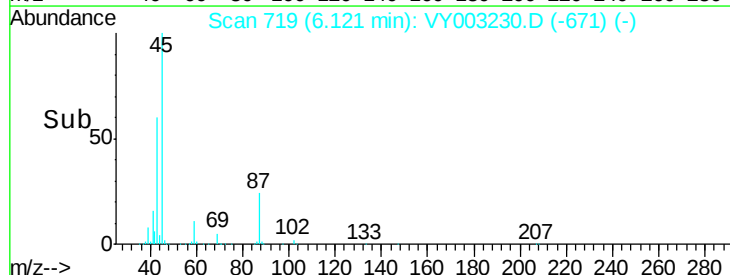
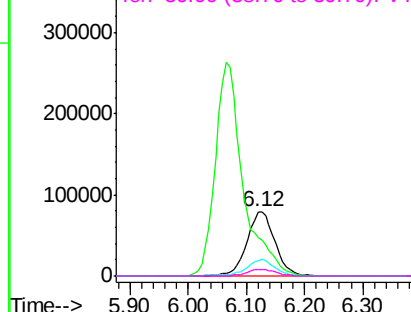
43 60.2 47.0 70.4

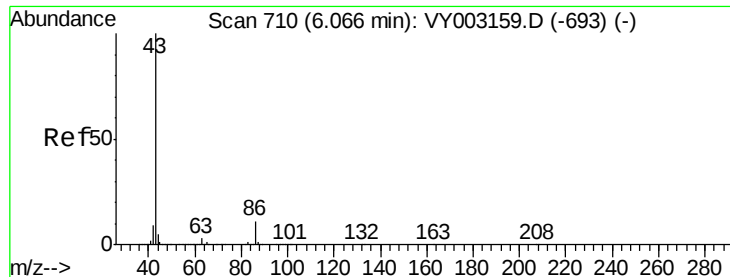
87 23.8 22.6 33.8

59 11.0 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 116.022 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 43 Resp: 870003

Ion Ratio Lower Upper

43 100

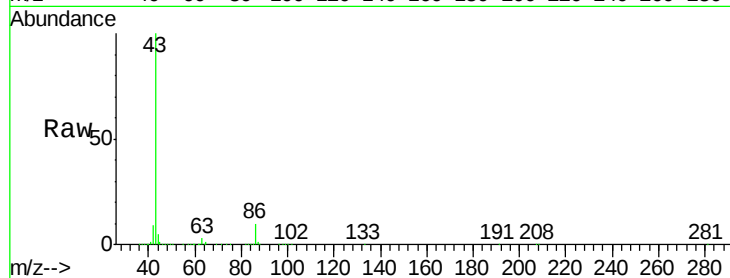
86 10.4 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

250000

200000

150000

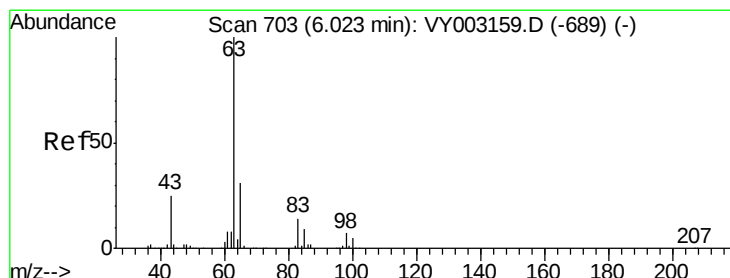
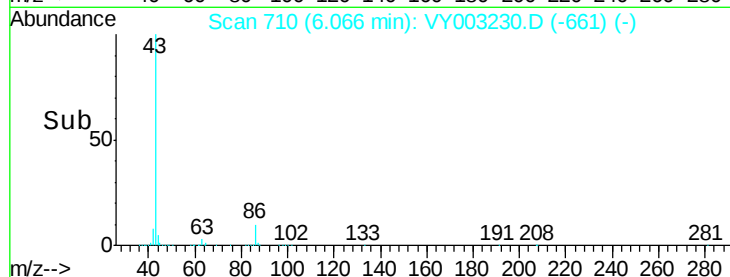
100000

50000

0

5.90 6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 21.770 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

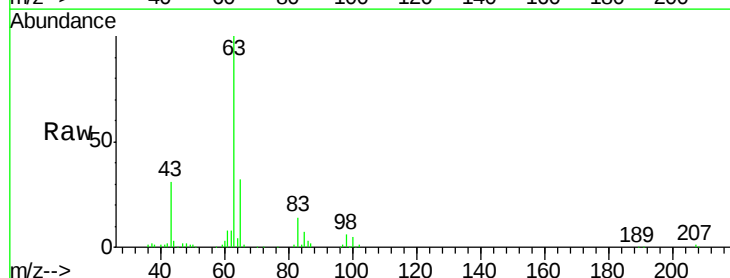
Tgt Ion: 63 Resp: 141896

Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

60000

50000

40000

30000

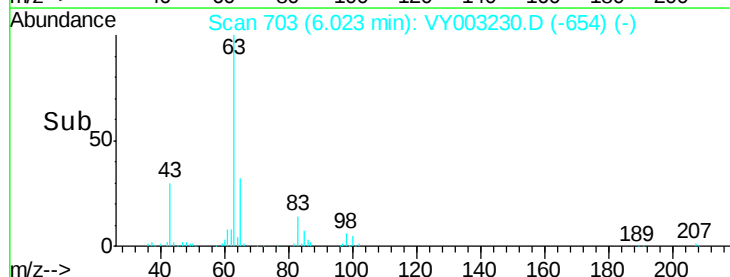
20000

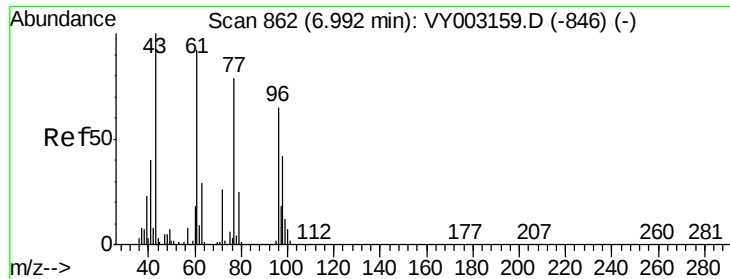
10000

0

5.90 6.00 6.10 6.20

Time-->





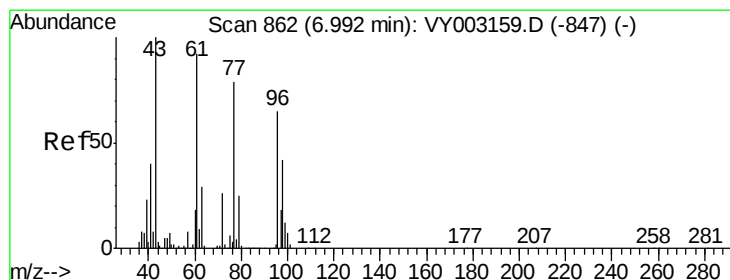
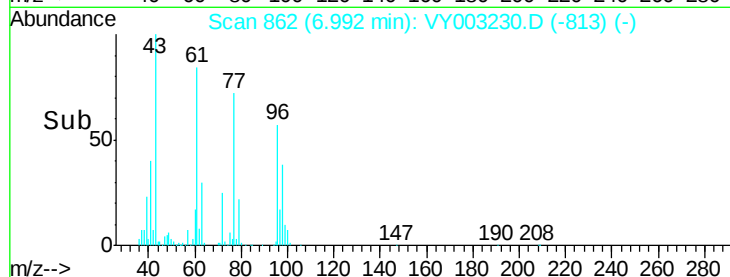
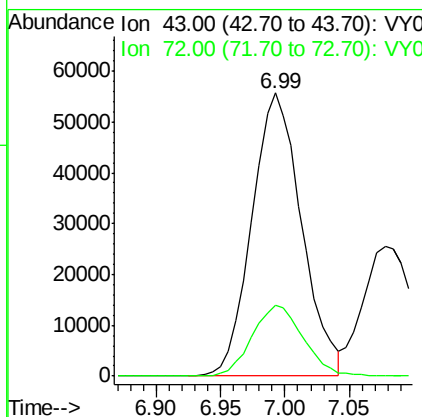
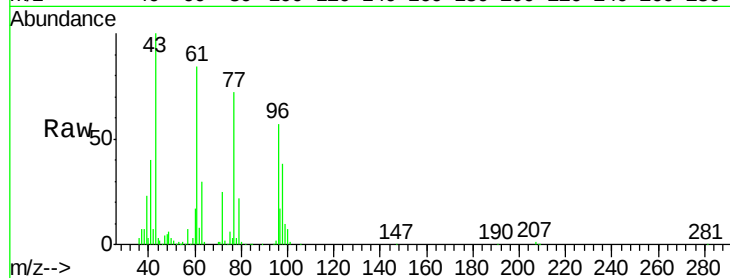
#25
2-Butanone
Concen: 117.496 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.9	31.3

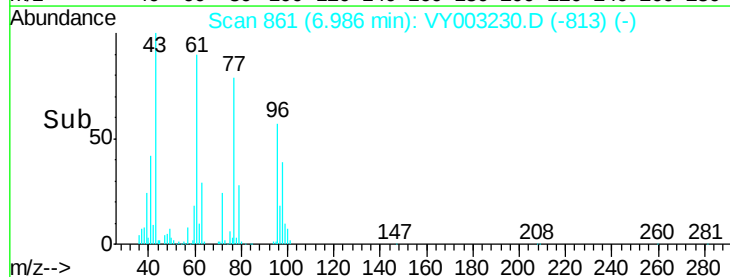
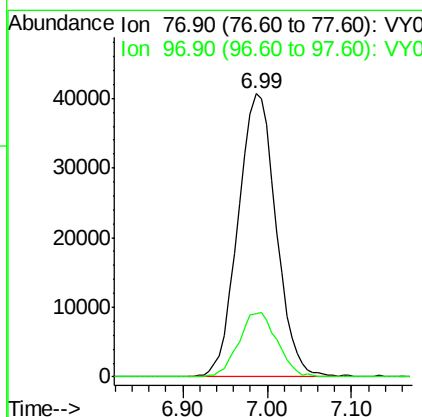
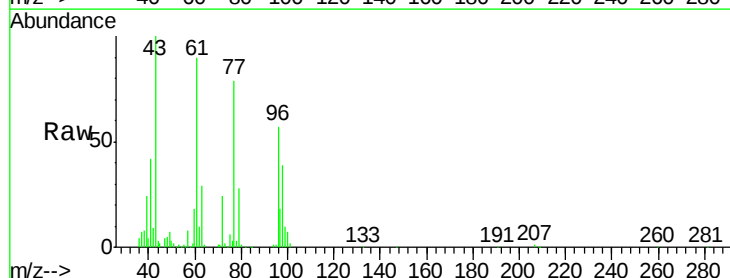
Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#26
2,2-Dichloropropane
Concen: 21.227 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.7





#27

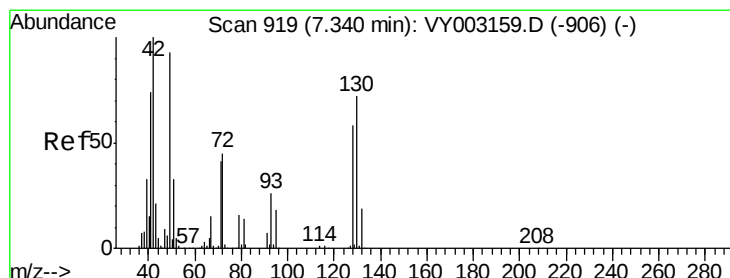
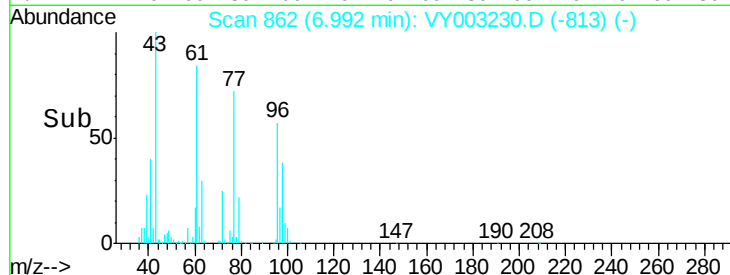
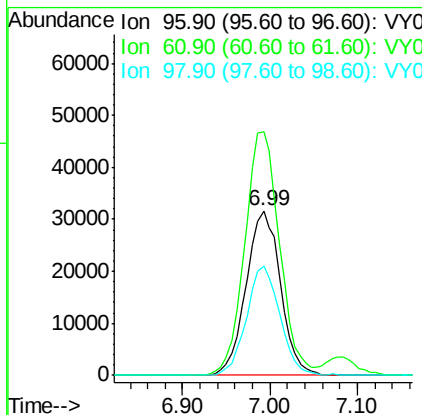
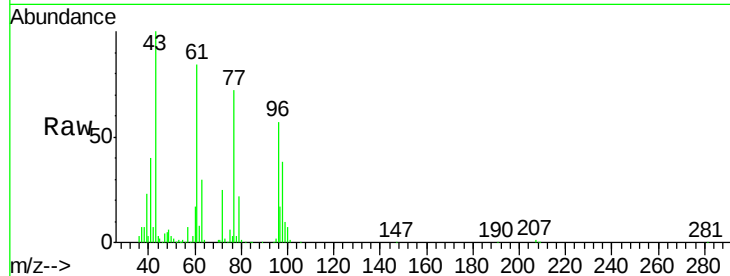
cis-1,2-Dichloroethene
 Concen: 20.388 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	281.2
98	64.5	0.0	129.8

Manual Integrations
 APPROVED

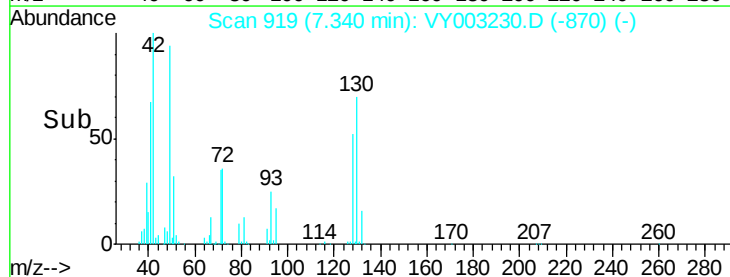
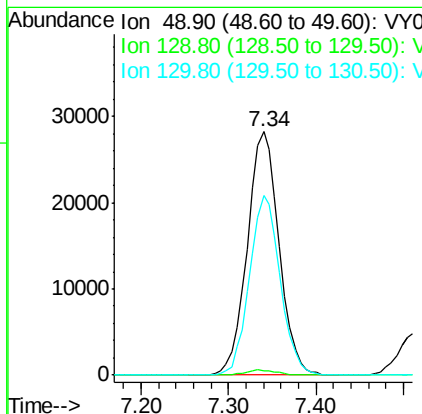
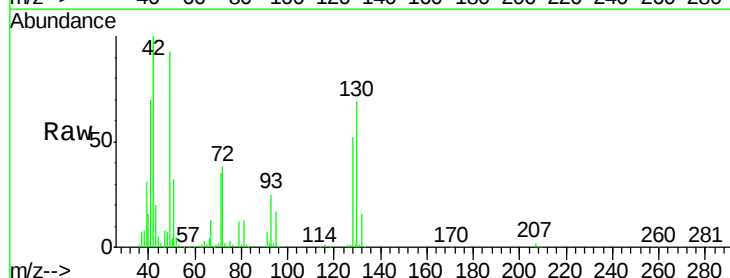
MMDadoda
 7/21/2020 4:58:51 PM

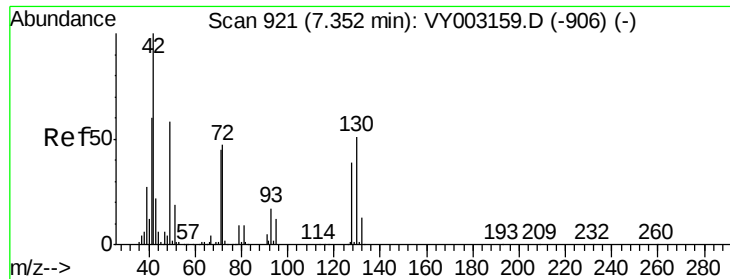


#28

Bromochloromethane
 Concen: 25.118 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.0
130	71.4	64.9	97.3





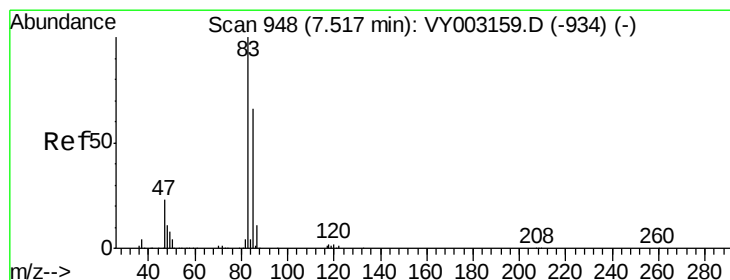
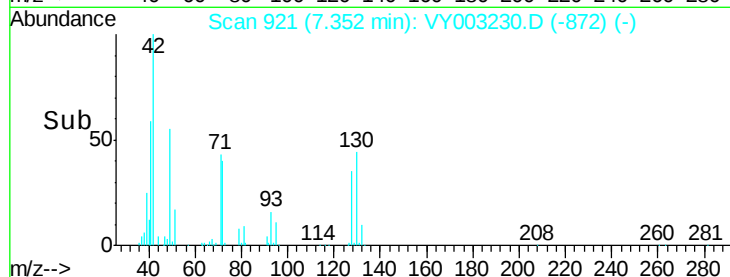
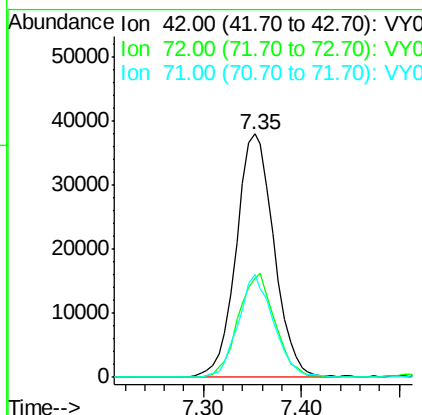
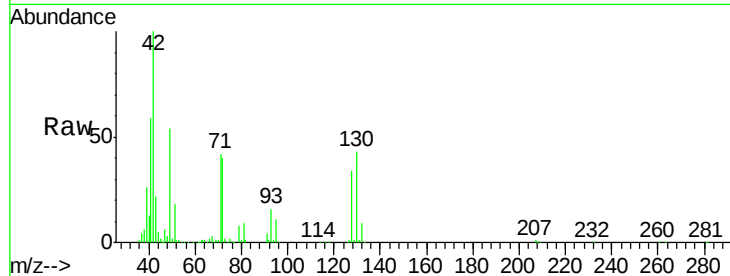
#29
Tetrahydrofuran
Concen: 119.244 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	36.7	55.1
71	39.4	34.2	51.4

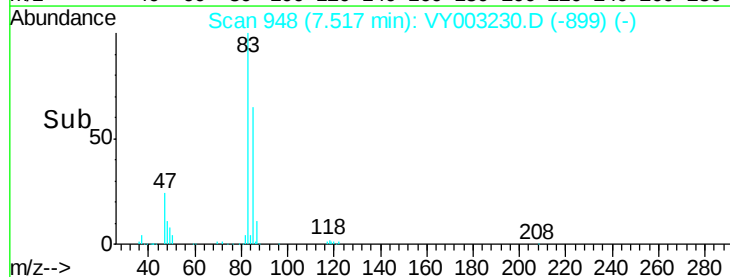
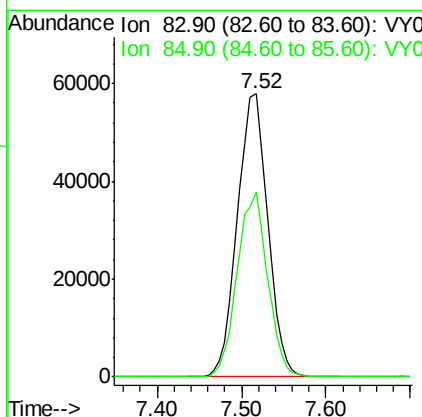
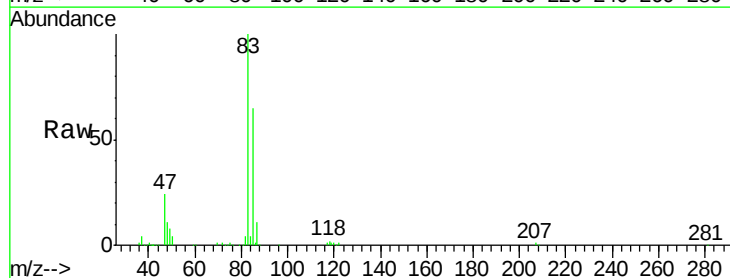
Manual Integrations
APPROVED

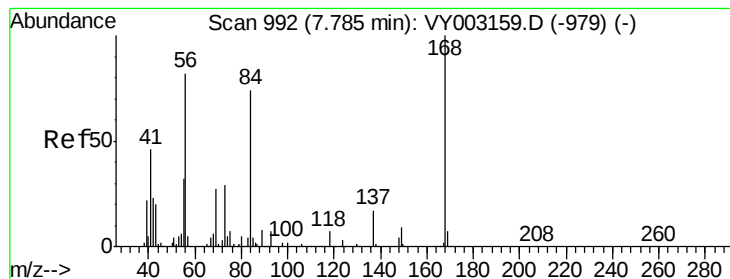
MMDadoda
7/21/2020 4:58:51 PM



#30
Chloroform
Concen: 21.011 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





#31

Cyclohexane

Concen: 21.293 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 56 Resp: 134203

Ion Ratio Lower Upper

56 100

69 38.3 26.7 40.1

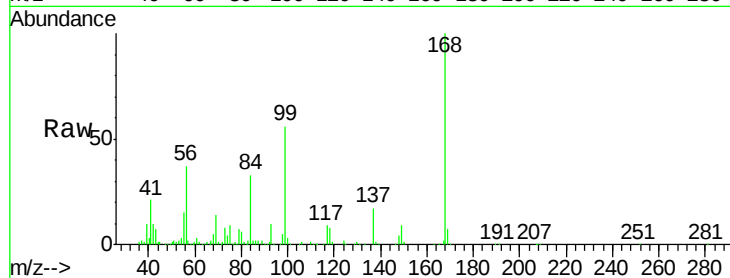
84 86.6 72.3 108.5

Manual Integrations

APPROVED

MMDadoda

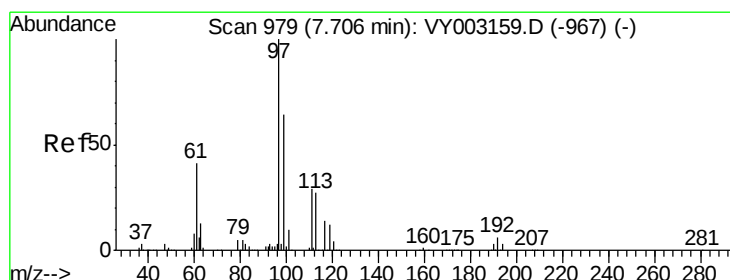
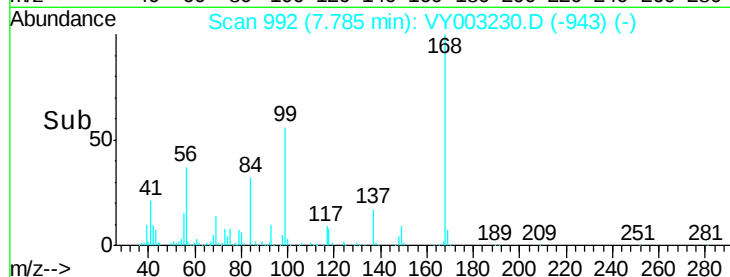
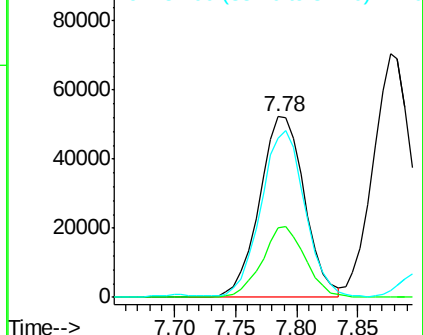
7/21/2020 4:58:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.106 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

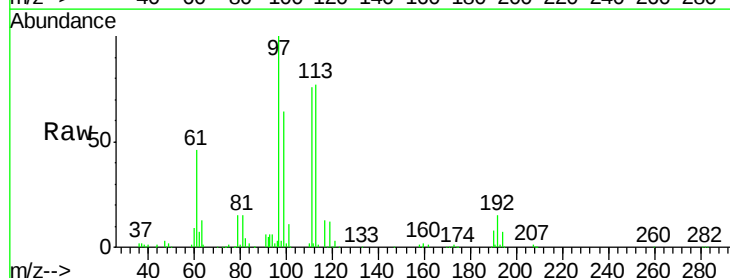
Tgt Ion: 97 Resp: 127552

Ion Ratio Lower Upper

97 100

99 62.9 52.1 78.1

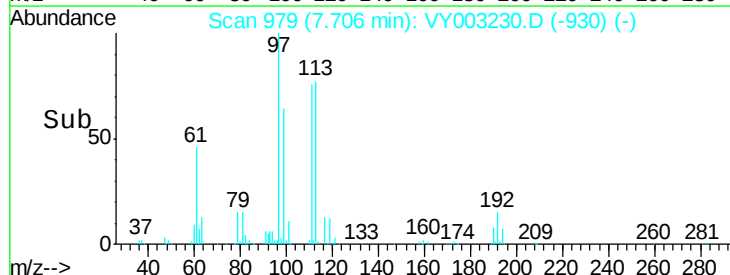
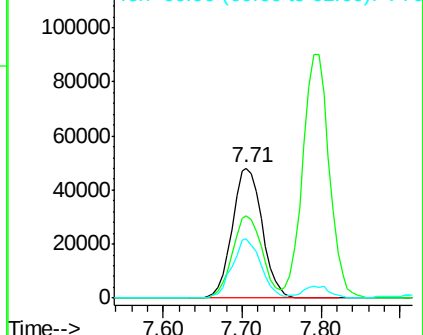
61 43.6 33.9 50.9

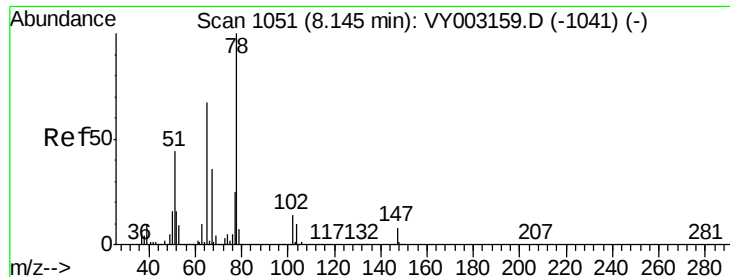


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





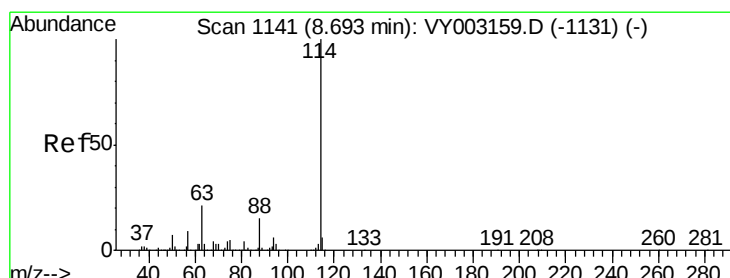
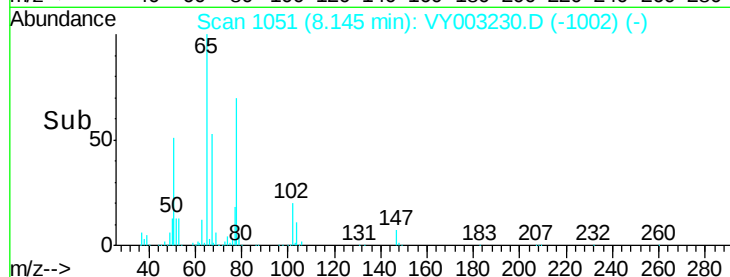
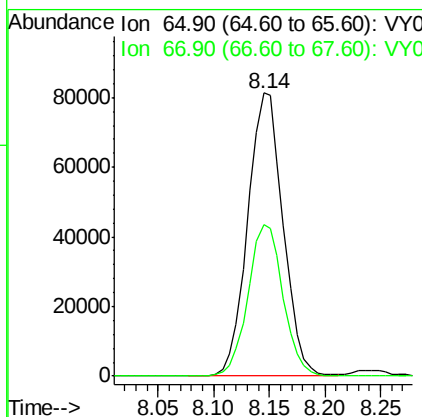
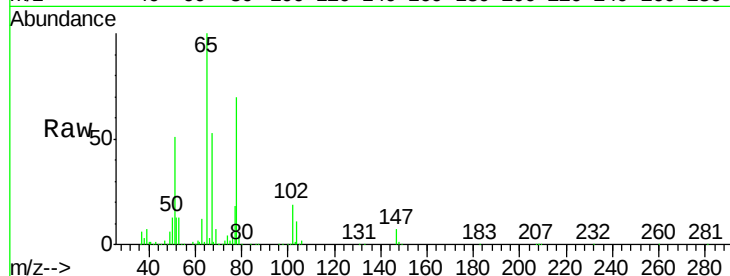
#33
 1,2-Dichloroethane-d4
 Concen: 51.919 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	105.2	

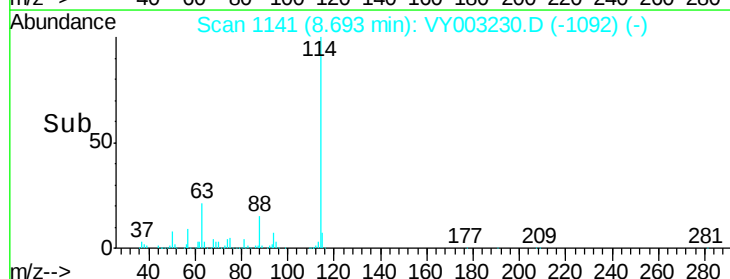
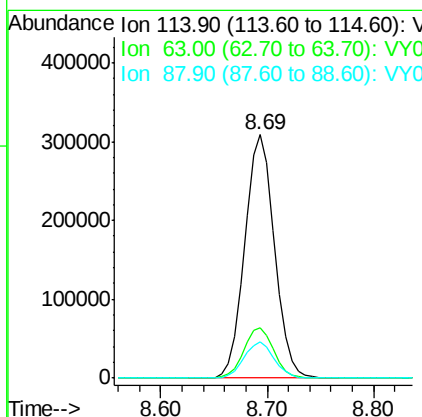
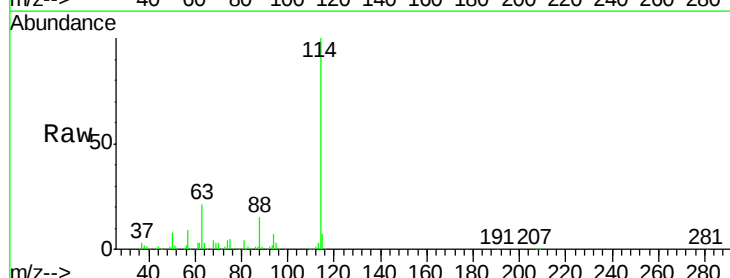
Manual Integrations
 APPROVED

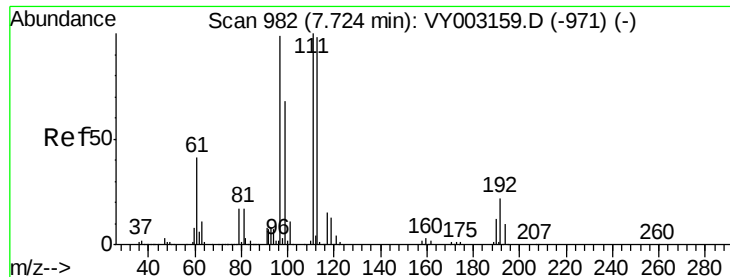
MMDadoda
 7/21/2020 4:58:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	41.2	
88	15.1	0.0	30.2	





#35

Dibromofluoromethane

Concen: 47.120 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

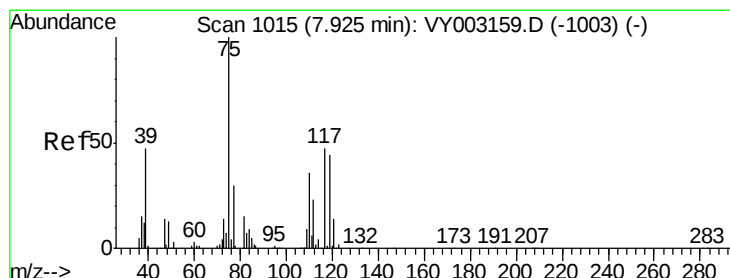
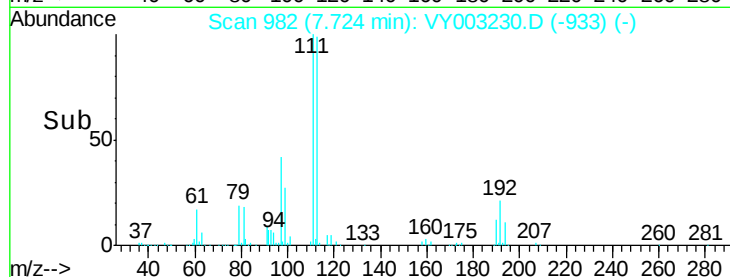
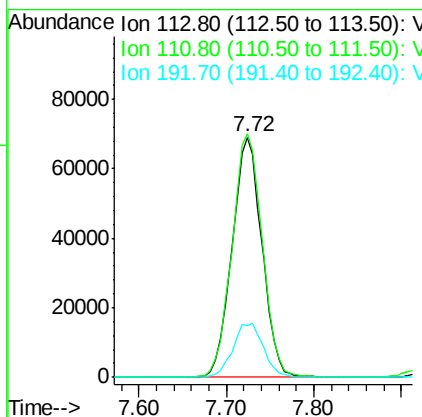
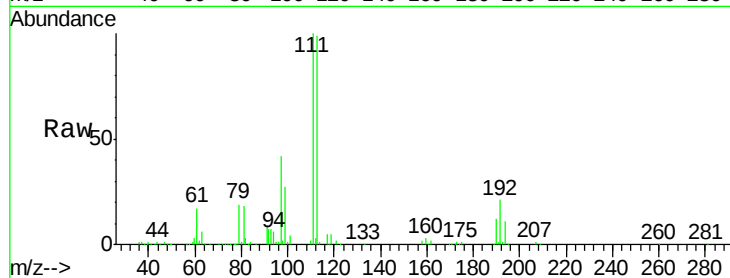
ClientSampleId :

VY0720SBS01

Tot Ion:	113	Resp:	163713
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.1	123.1
192	23.0	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#36

1,1-Dichloropropene

Concen: 20.330 ug/l

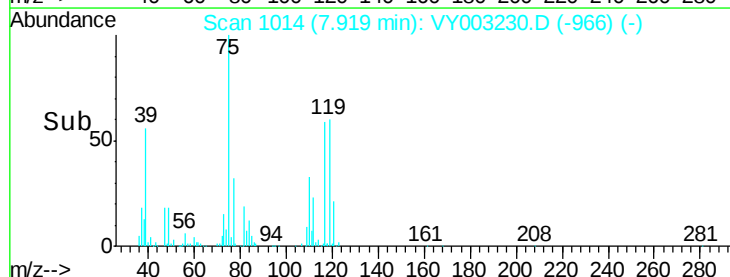
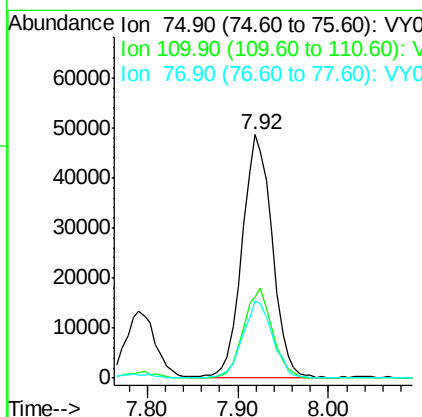
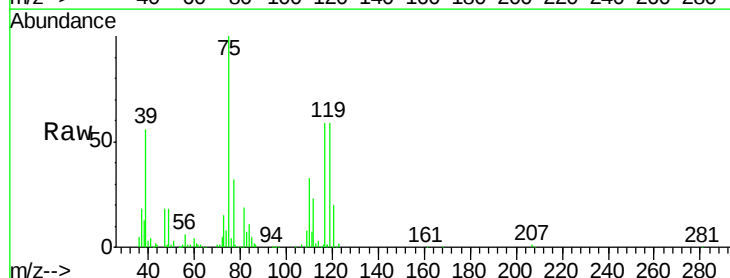
RT: 7.92 min Scan# 1014

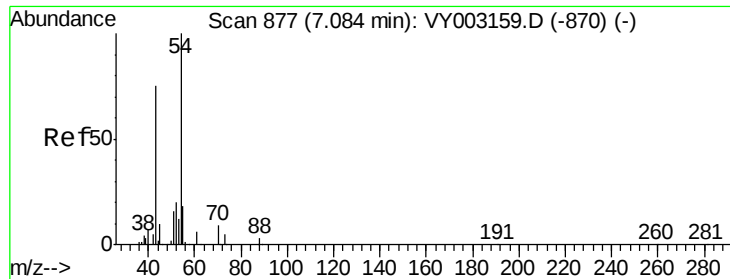
Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion:	75	Resp:	111241
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.1	54.1
77	31.7	24.8	37.2





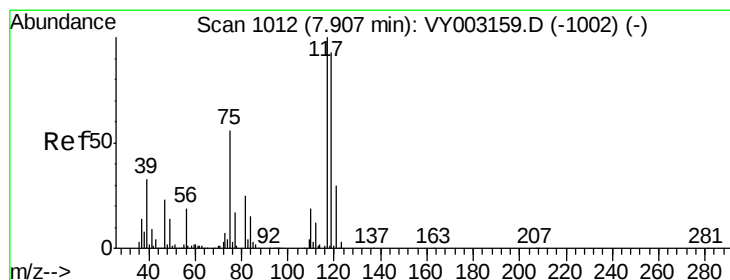
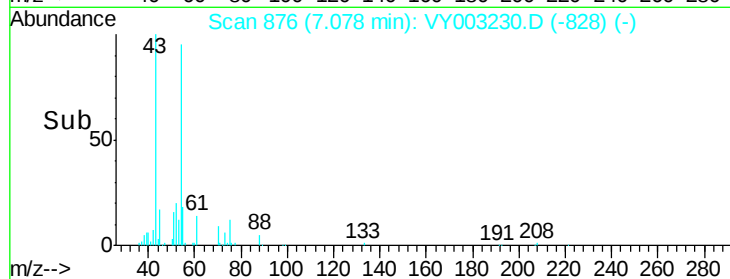
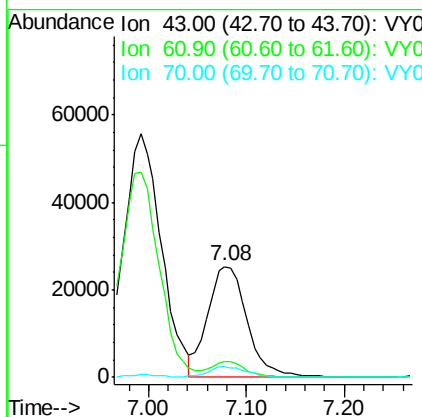
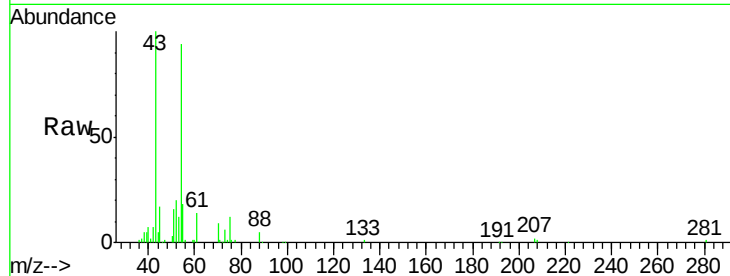
#37
Ethyl Acetate
Concen: 23.884 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.8	17.6
70	9.4	8.6	13.0

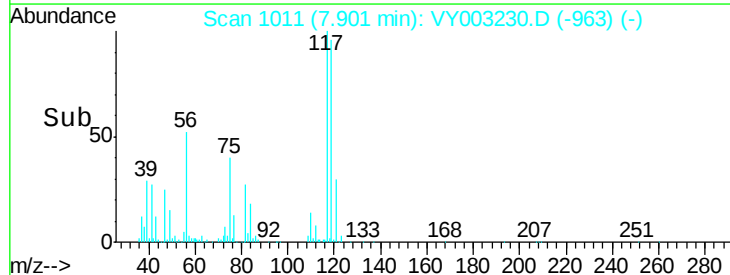
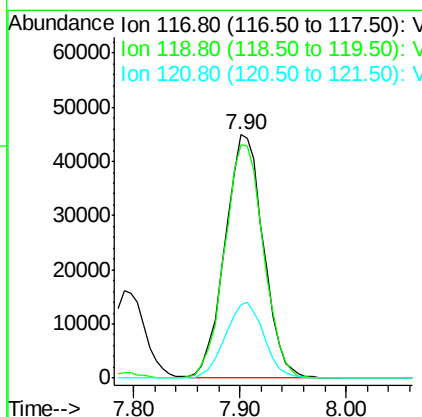
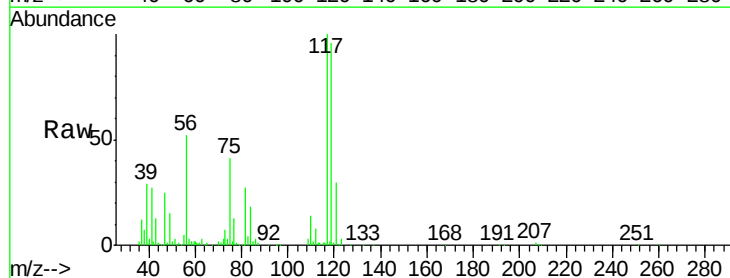
Manual Integrations
APPROVED

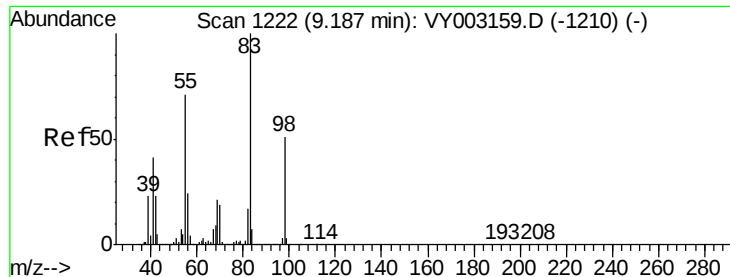
MMDadoda
7/21/2020 4:58:51 PM



#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.5	111.7
121	30.1	24.2	36.2





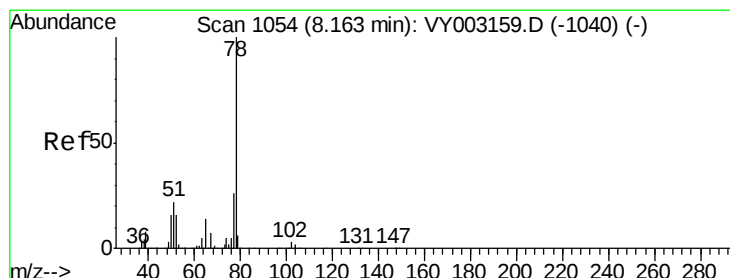
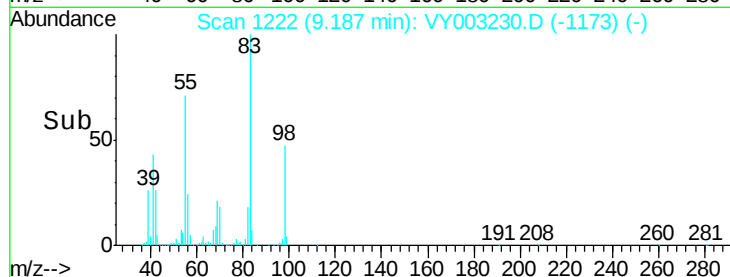
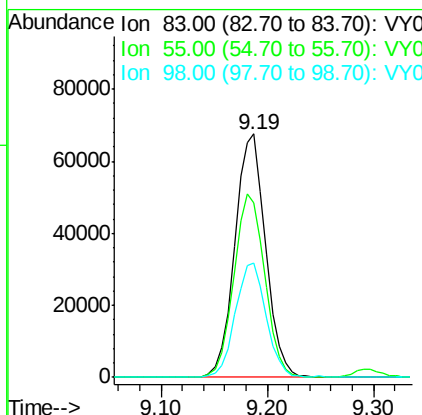
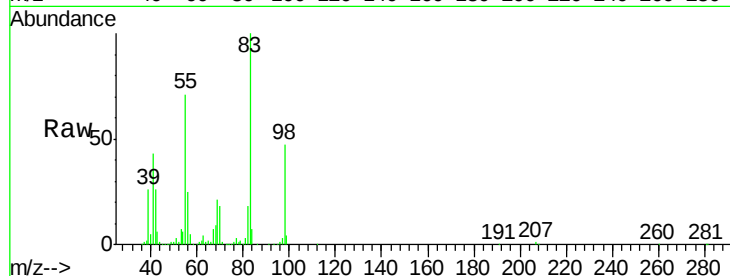
#39
Methvlcvclohexane
Concen: 19.949 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.2	85.8
98	47.0	41.0	61.6

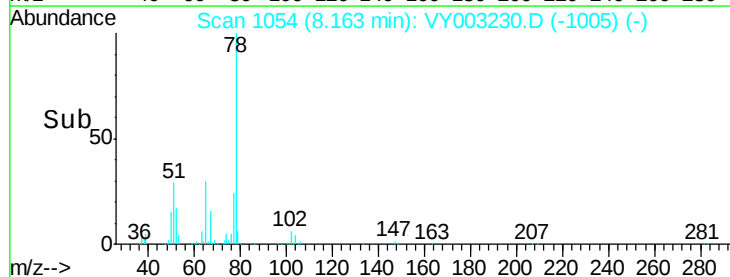
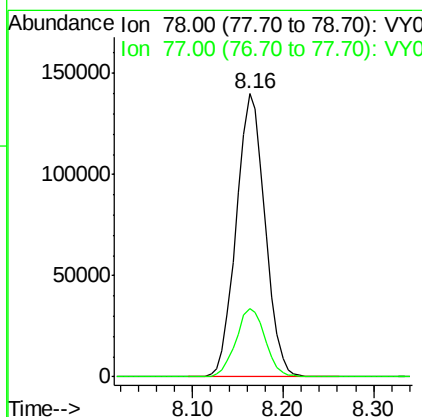
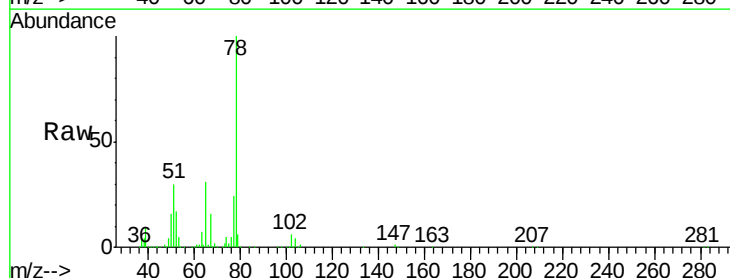
Manual Integrations
APPROVED

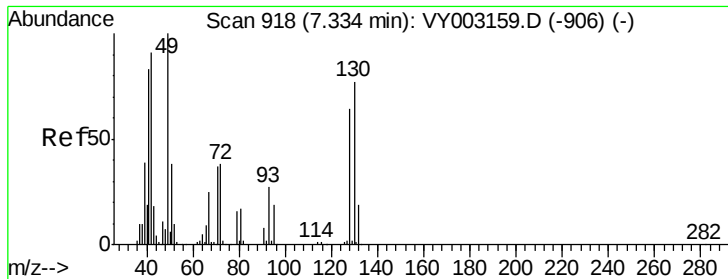
MMDadoda
7/21/2020 4:58:51 PM



#40
Benzene
Concen: 20.442 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.7	31.1





#41

Methacrylonitrile

Concen: 20.752 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 41 Resp: 36829

Ion Ratio Lower Upper

41 100

39 119.9 83.3 124.9

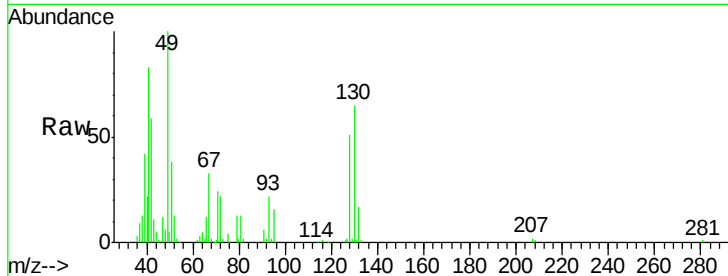
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

7/21/2020 4:58:51 PM

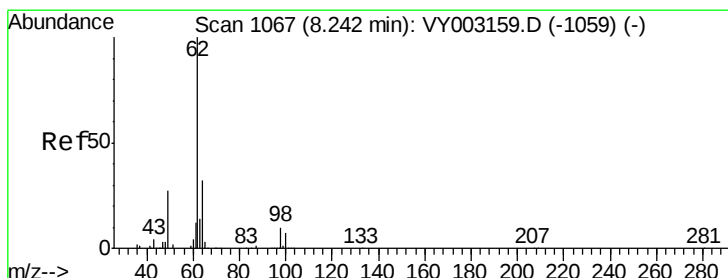
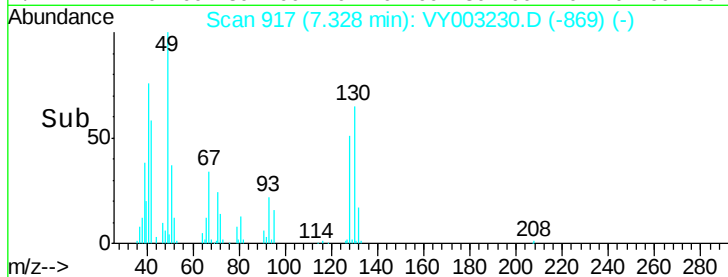
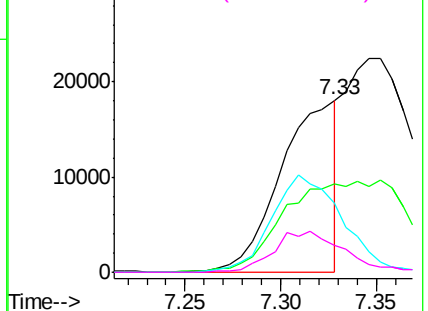


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.049 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003230.D

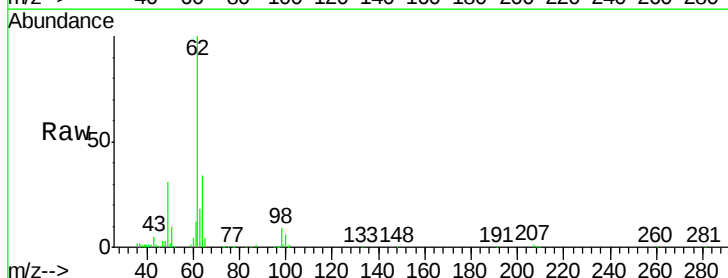
Acq: 20 Jul 2020 14:40

Tgt Ion: 62 Resp: 97637

Ion Ratio Lower Upper

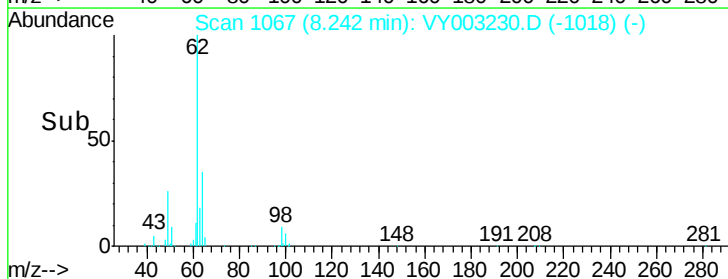
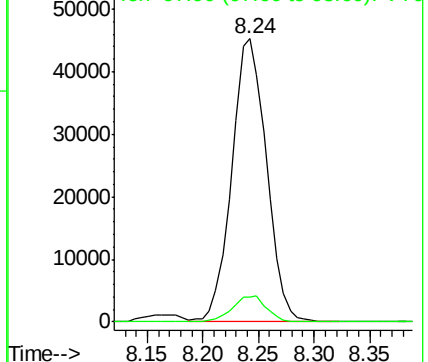
62 100

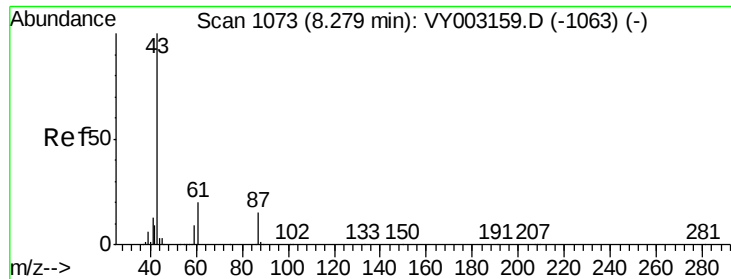
98 9.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





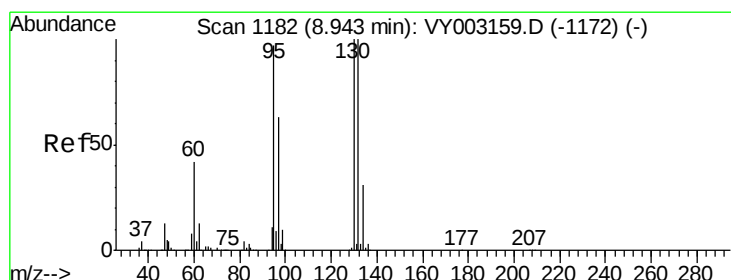
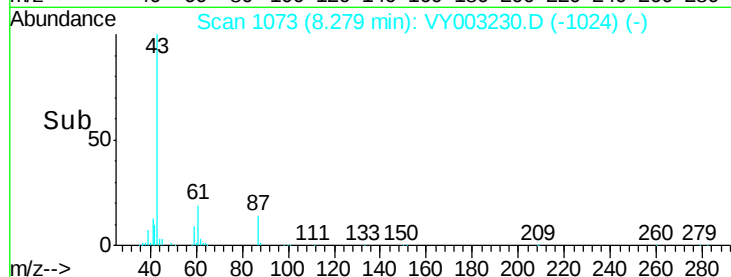
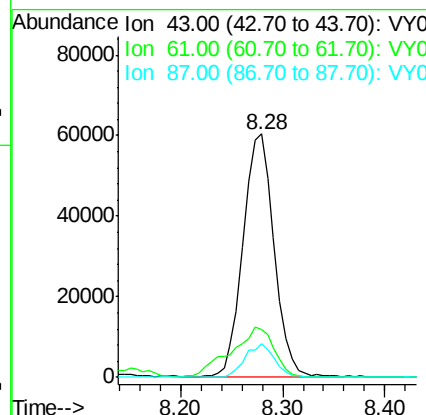
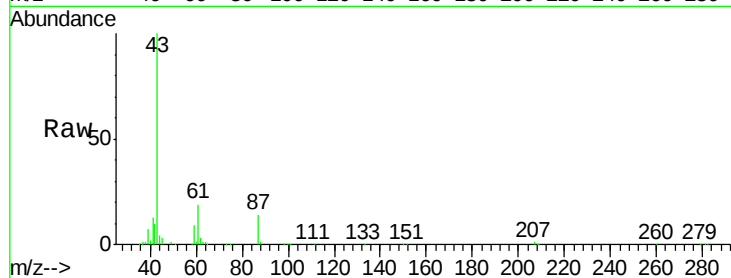
#43
Isopropyl Acetate
Concen: 22.333 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.7	35.5
87	13.0	11.4	17.0

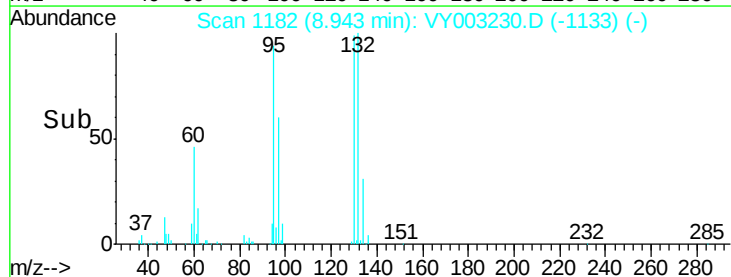
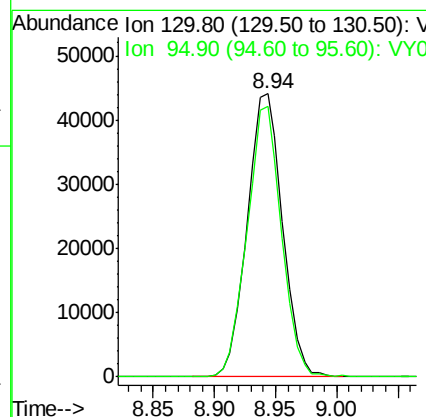
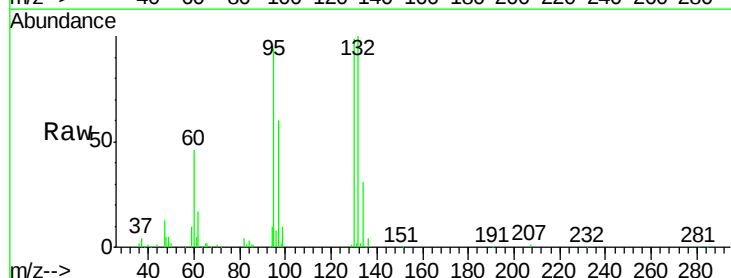
Manual Integrations
APPROVED

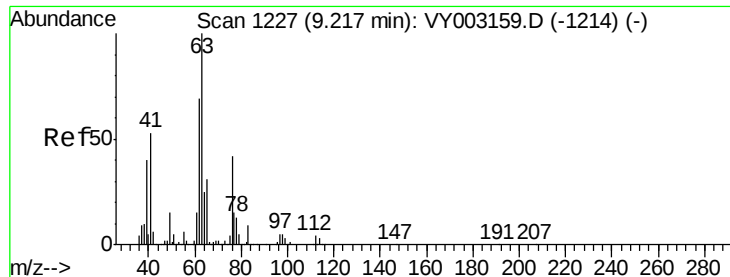
MMDadoda
7/21/2020 4:58:51 PM



#44
Trichloroethene
Concen: 19.136 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	193.8





#45

1,2-Dichloropropane

Concen: 21.180 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 63 Resp: 82573

Ion Ratio Lower Upper

63 100

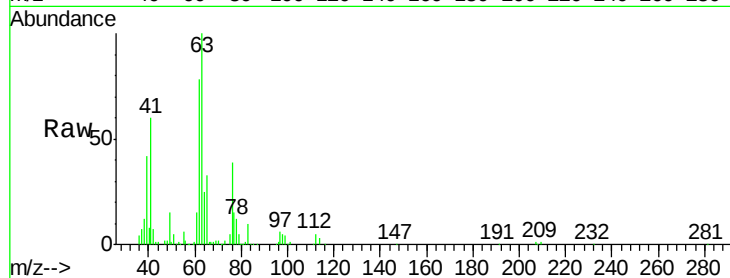
65 32.6 25.0 37.4

Manual Integrations

APPROVED

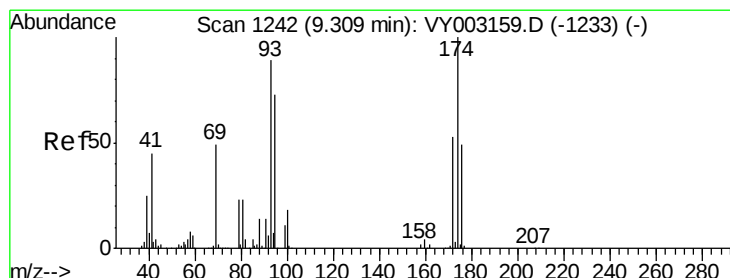
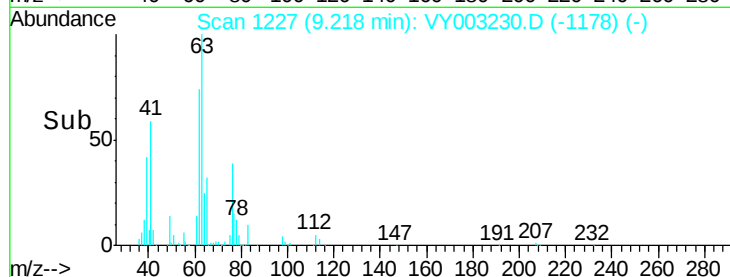
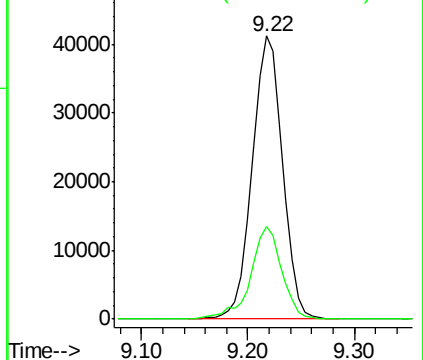
MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.296 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

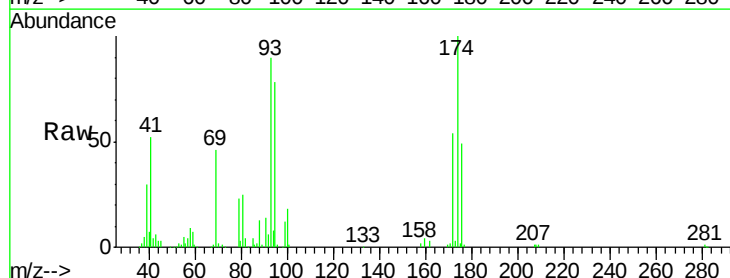
Tgt Ion: 93 Resp: 46215

Ion Ratio Lower Upper

93 100

95 84.8 66.6 99.8

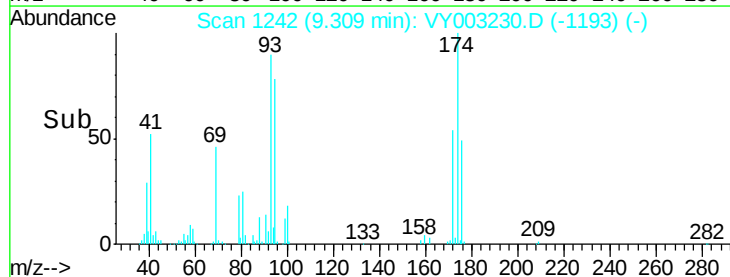
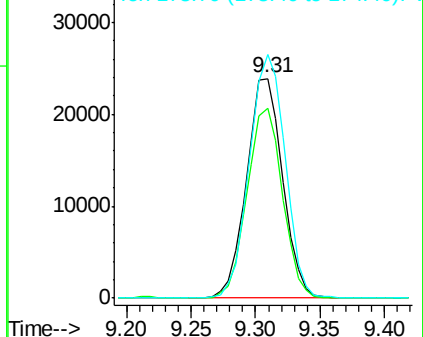
174 110.2 90.2 135.4

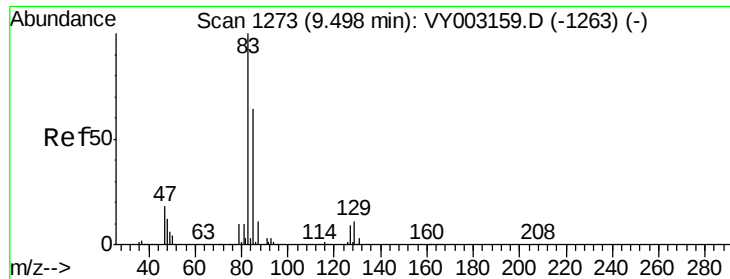


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.018 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

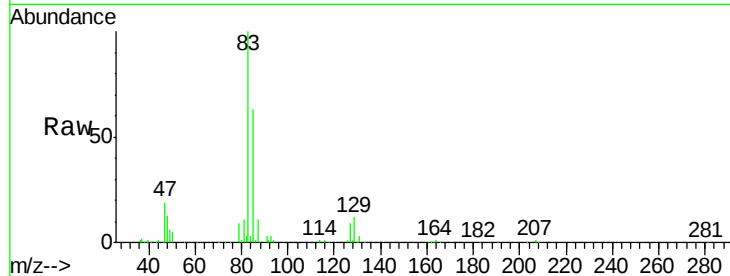
ClientSampleId :

VY0720SBS01

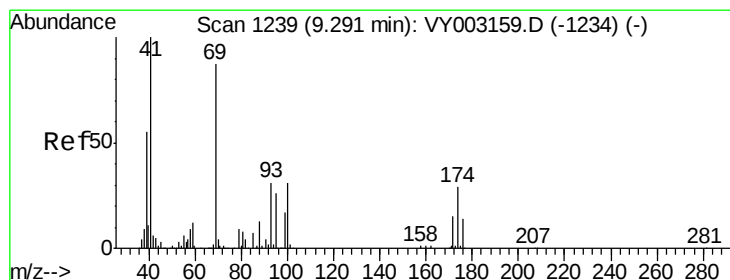
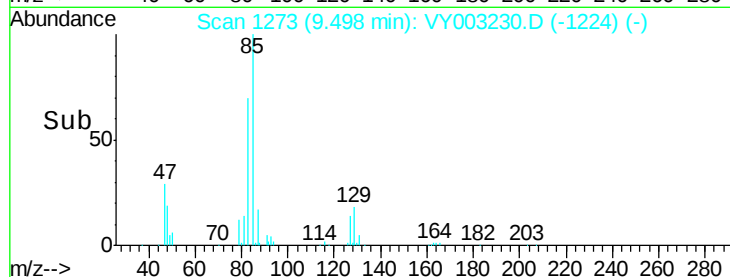
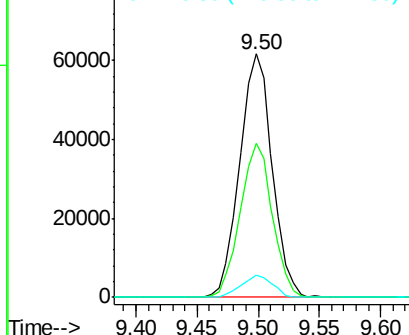
Tot Ion:	83	Resp:	113823
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	9.0	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



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



#48

Methyl methacrylate

Concen: 22.136 ug/l

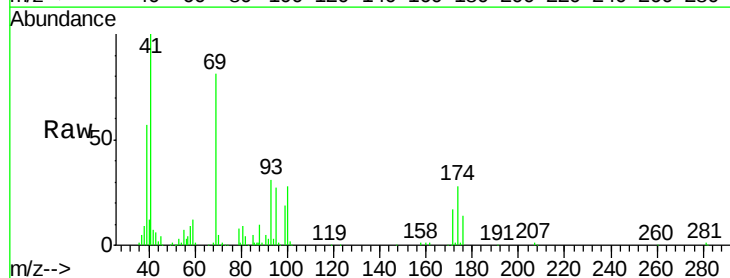
RT: 9.29 min Scan# 1239

Delta R.T. 0.00 min

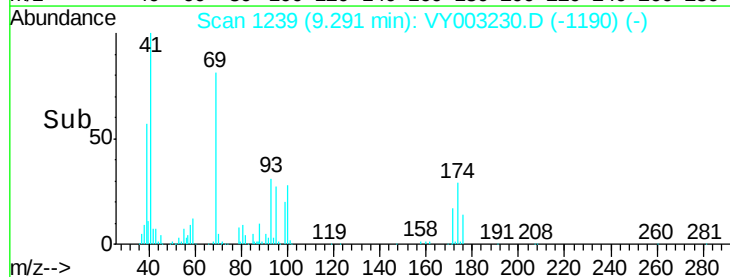
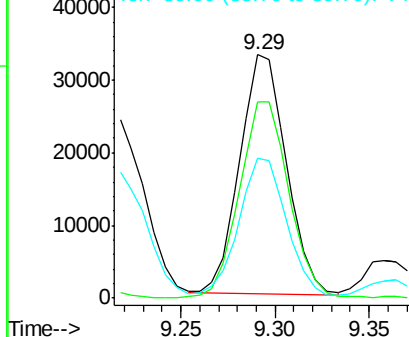
Lab File: VY003230.D

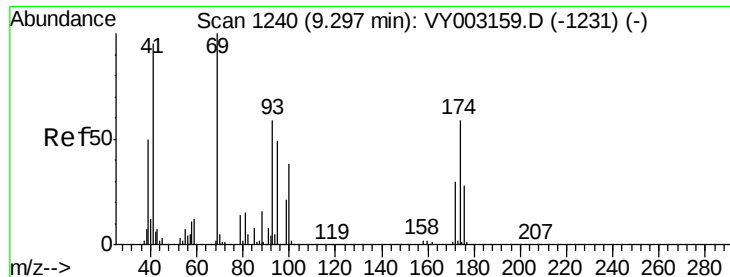
Acq: 20 Jul 2020 14:40

Tgt Ion:	41	Resp:	56446
Ion Ratio	Lower	Upper	
41	100		
69	87.5	74.5	111.7
39	61.4	47.5	71.3



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





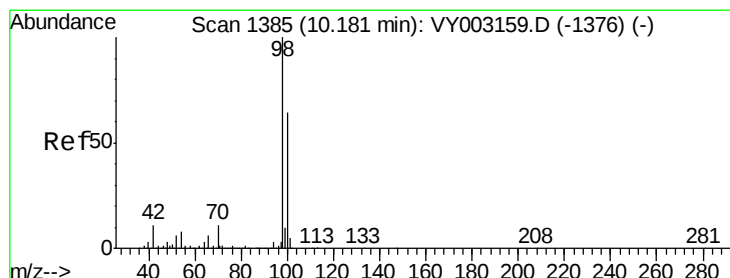
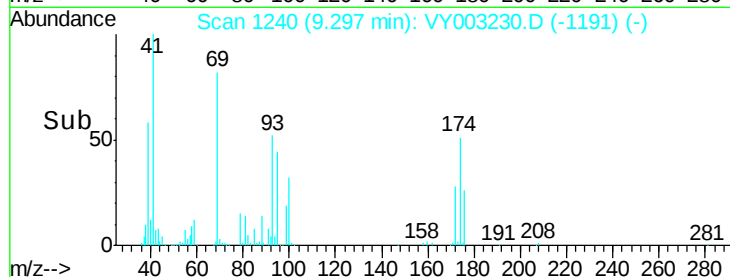
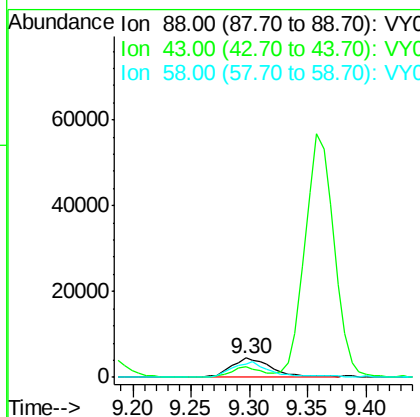
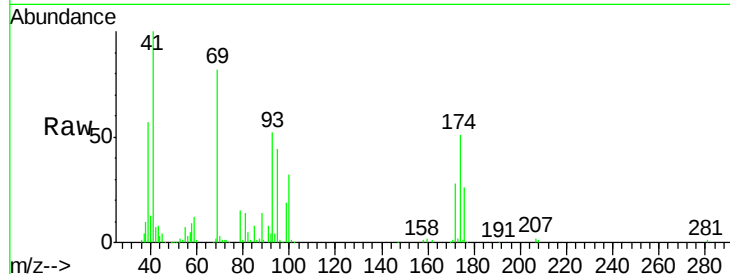
#49
1,4-Dioxane
Concen: 388.316 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	88	Resp	11222
Ion Ratio	Lower	Upper	
88	100		
43	41.2	25.6	38.4#
58	71.2	47.8	71.6

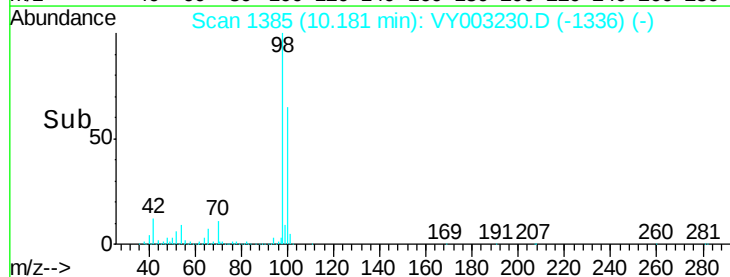
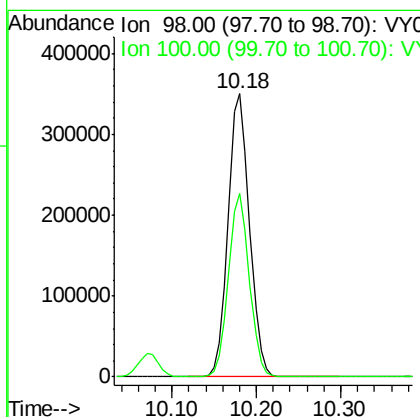
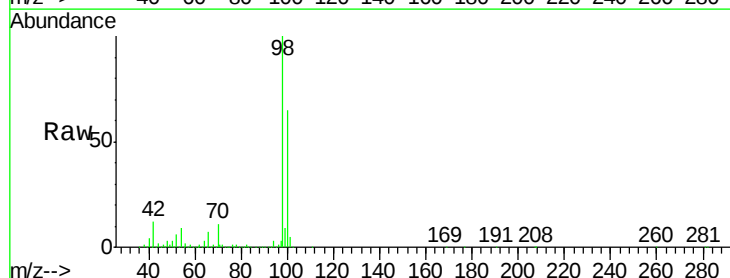
Manual Integrations
APPROVED

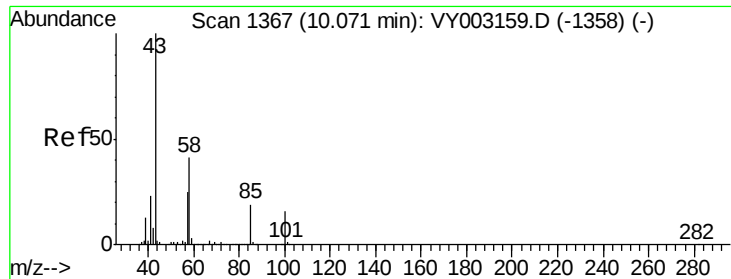
MMDadoda
7/21/2020 4:58:51 PM



#50
Toluene-d8
Concen: 47.005 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	98	Resp	607166
Ion Ratio	Lower	Upper	
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 115.002 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 43 Resp: 340945

Ion Ratio Lower Upper

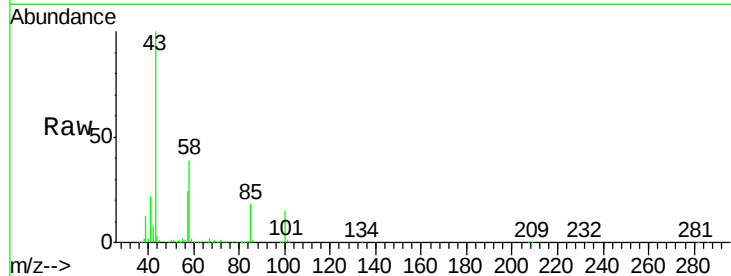
43 100

58 38.1 32.7 49.1

Manual Integrations
APPROVED

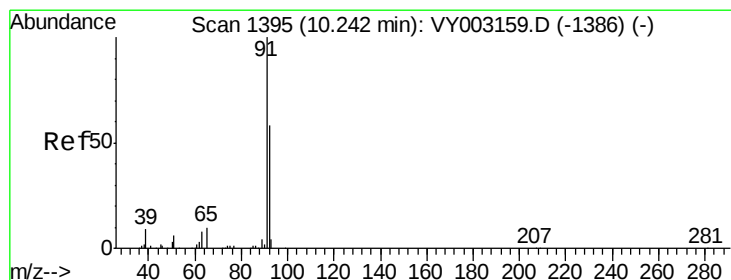
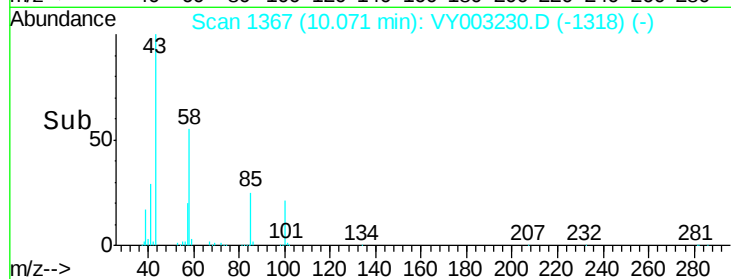
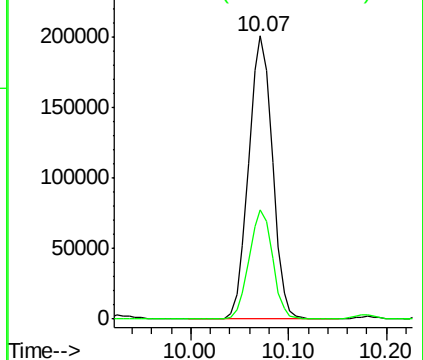
MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.898 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003230.D

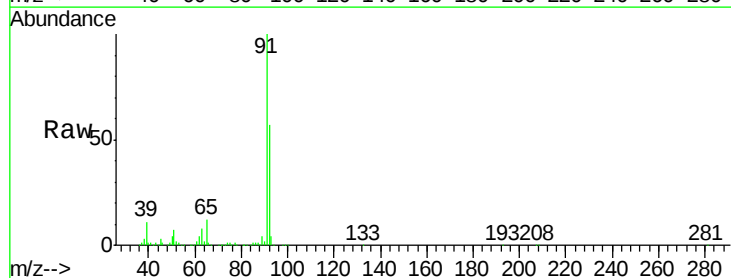
Acq: 20 Jul 2020 14:40

Tgt Ion: 92 Resp: 191625

Ion Ratio Lower Upper

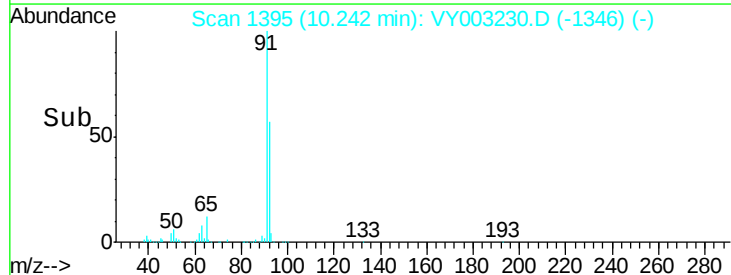
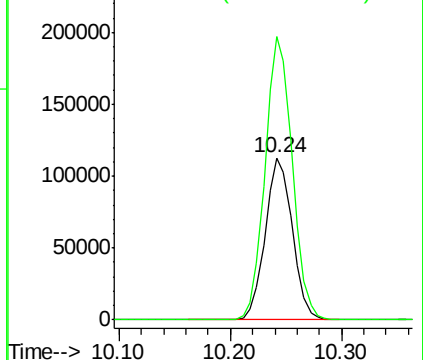
92 100

91 175.7 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





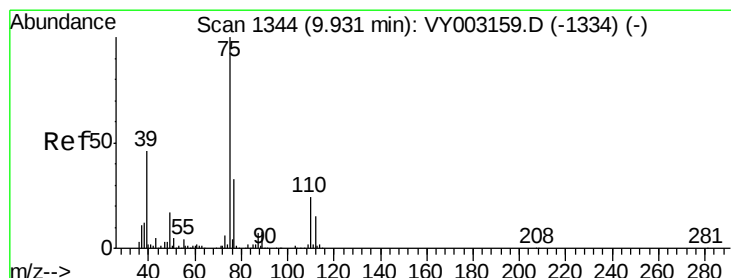
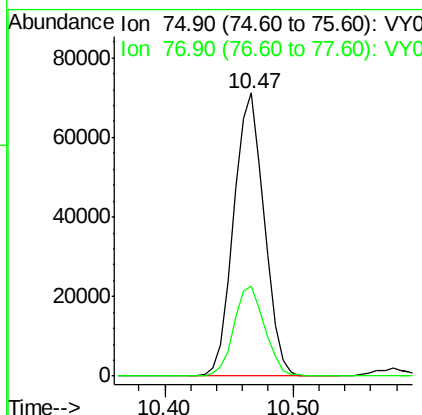
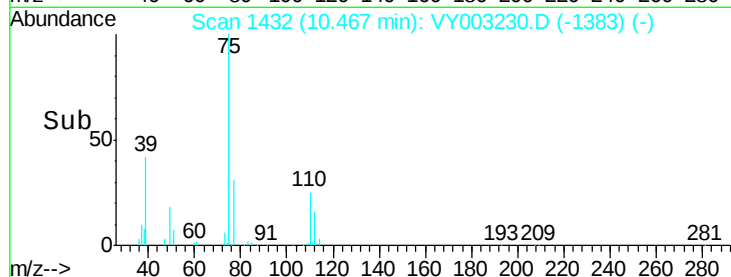
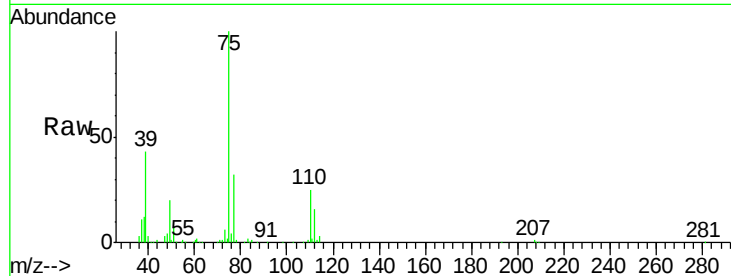
#53
t-1,3-Dichloropropene
Concen: 20.907 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion: 75 Resp: 117306
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

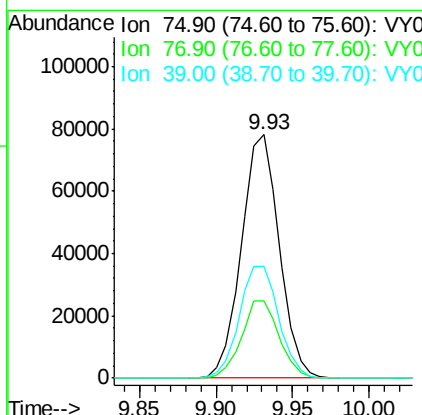
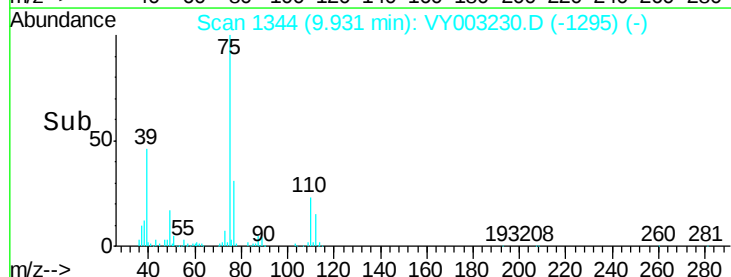
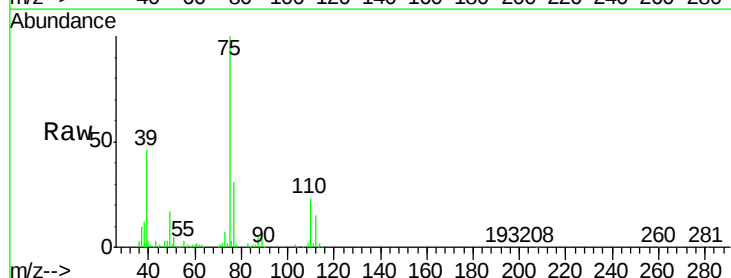
Manual Integrations
APPROVED

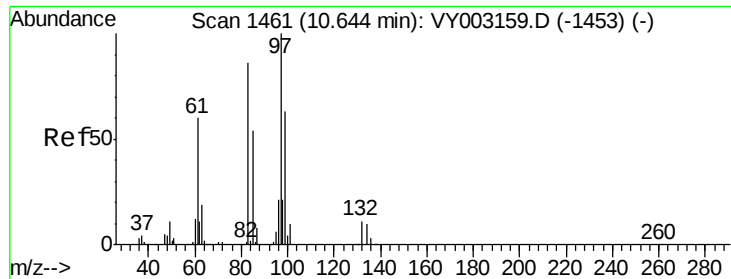
MMDadoda
7/21/2020 4:58:51 PM



#54
cis-1,3-Dichloropropene
Concen: 20.812 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion: 75 Resp: 134547
Ion Ratio Lower Upper
75 100
77 31.4 26.7 40.1
39 45.7 37.0 55.6





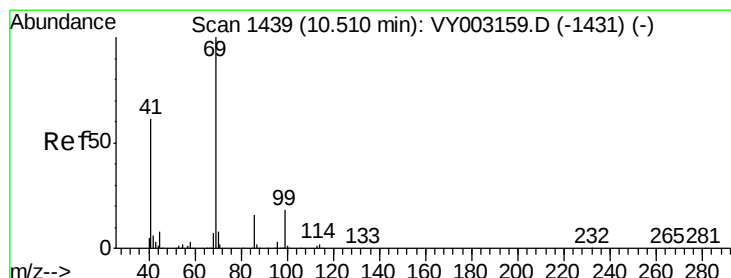
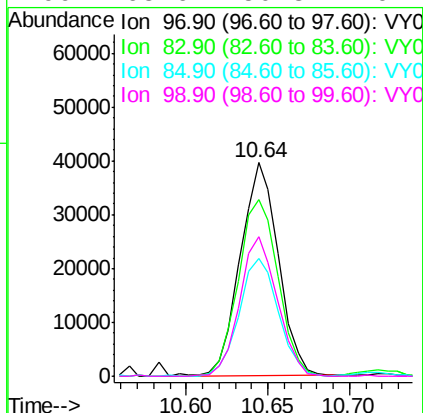
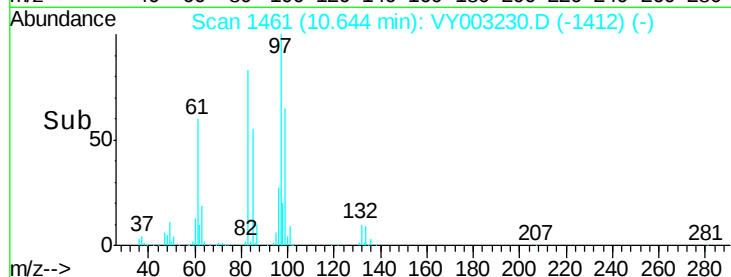
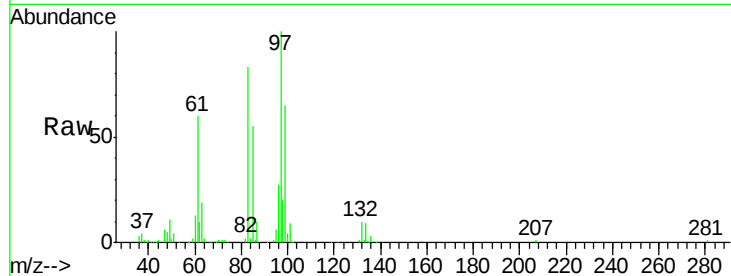
#55
 1,1,2-Trichloroethane
 Concen: 19.968 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.8	103.2
85	55.4	43.1	64.7
99	65.6	50.8	76.2

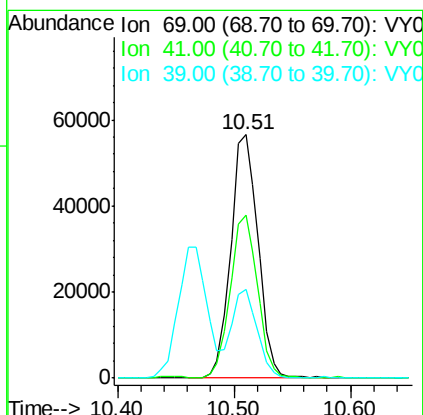
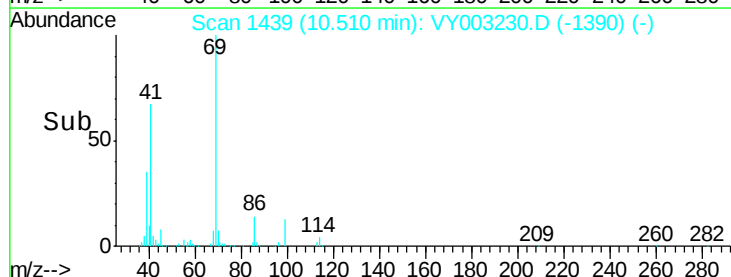
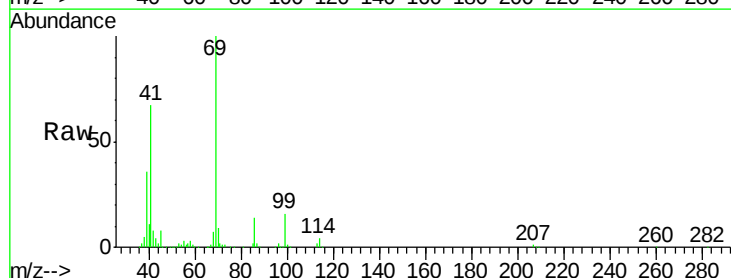
Manual Integrations
 APPROVED

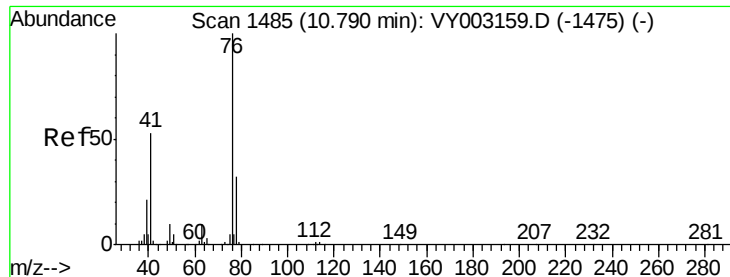
MMDadoda
 7/21/2020 4:58:51 PM



#56
 Ethyl methacrylate
 Concen: 21.084 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	50.0	75.0
39	34.9	27.6	41.4





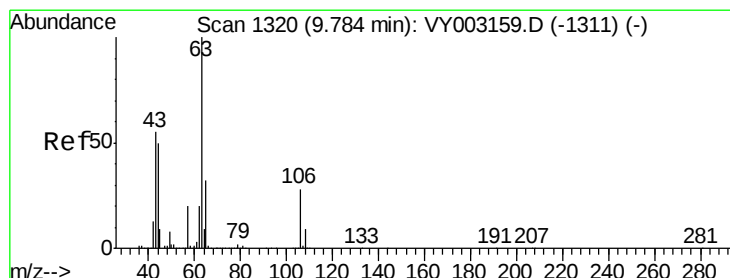
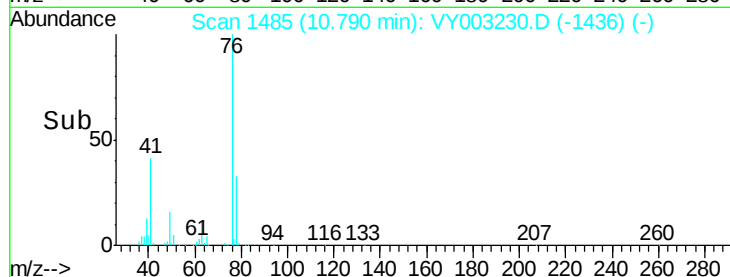
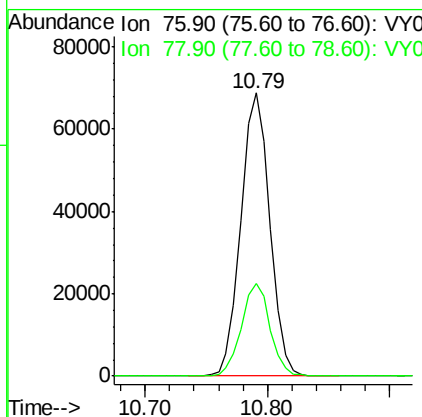
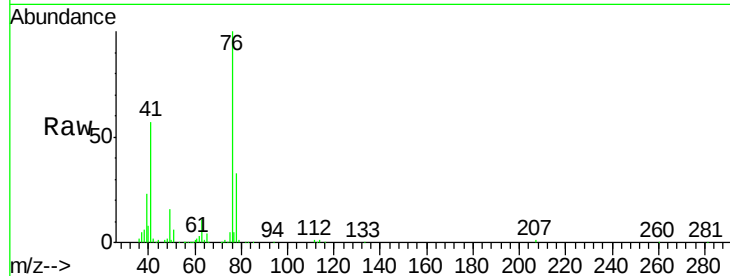
#57
 1,3-Dichloropropane
 Concen: 20.630 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

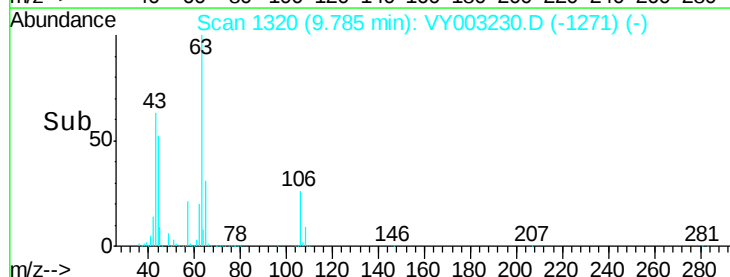
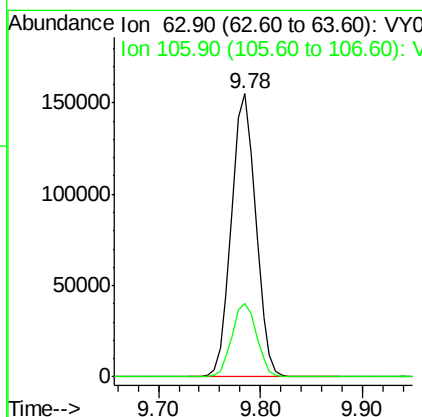
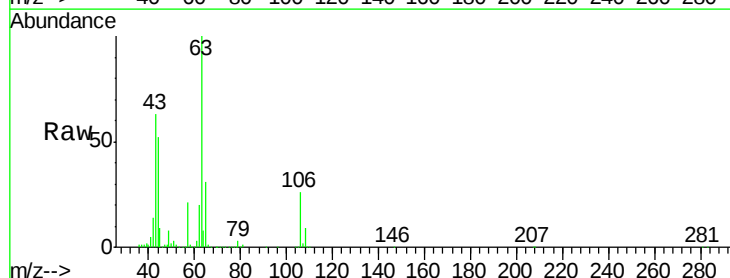
Manual Integrations
 APPROVED

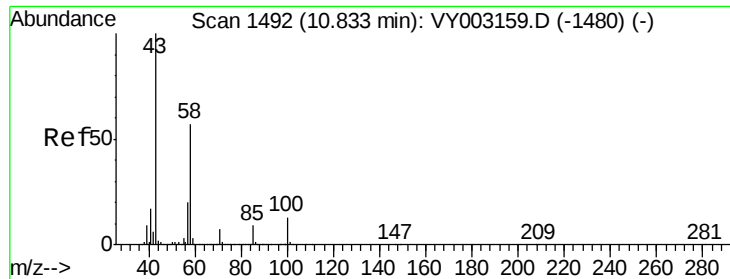
MMDadoda
 7/21/2020 4:58:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.227 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	22.9	34.3





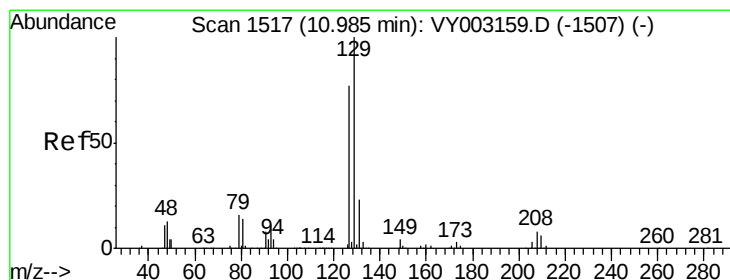
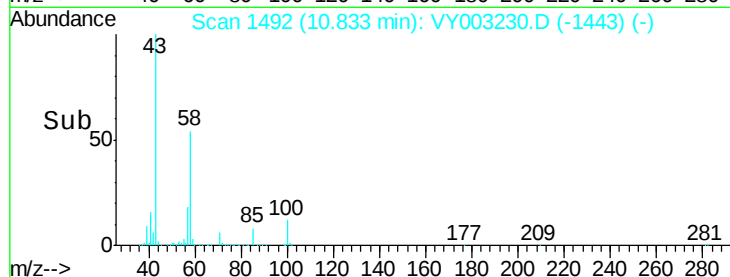
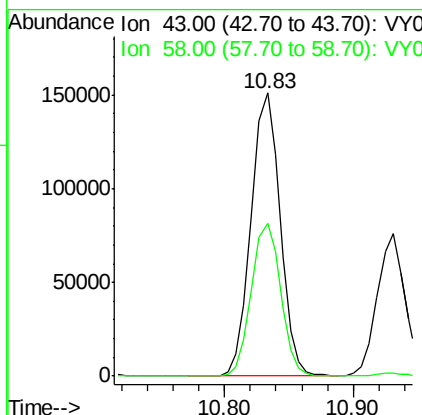
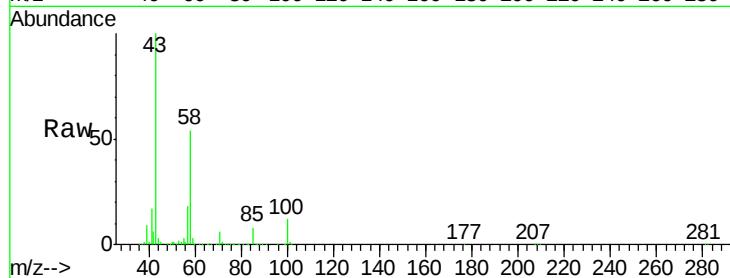
#59
2-Hexanone
Concen: 113.908 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	28.3	85.0

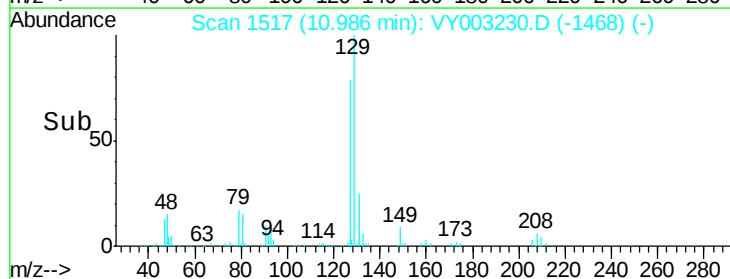
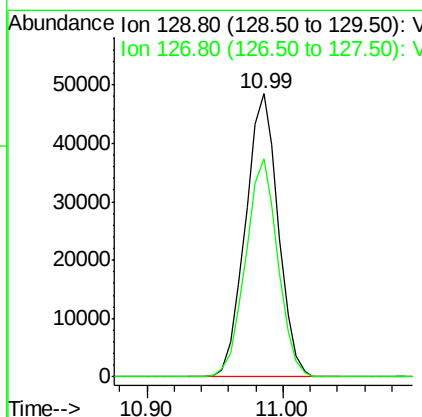
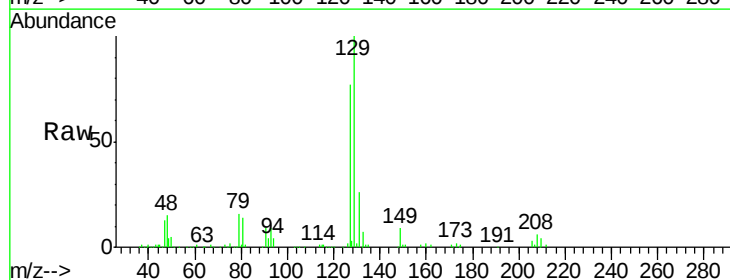
Manual Integrations
APPROVED

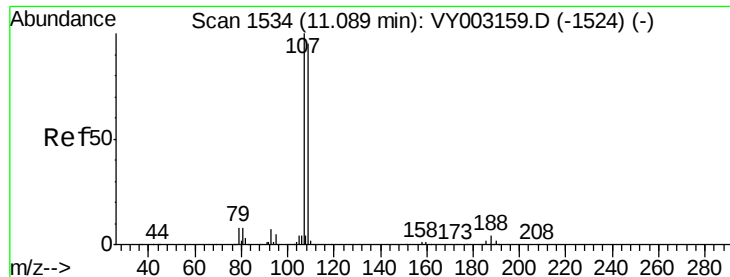
MMDadoda
7/21/2020 4:58:51 PM



#60
Dibromochloromethane
Concen: 20.136 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.5	115.5





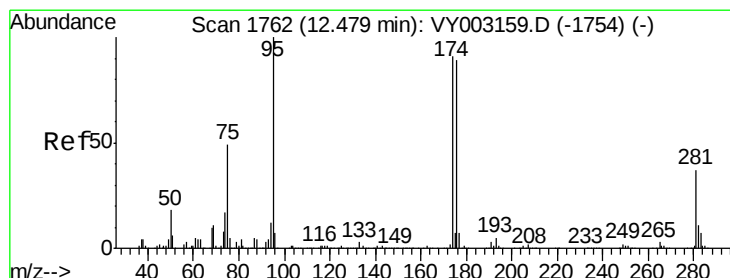
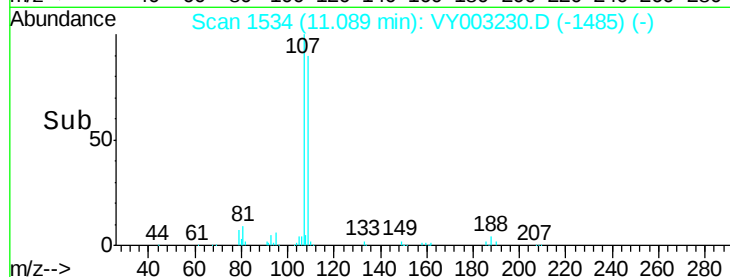
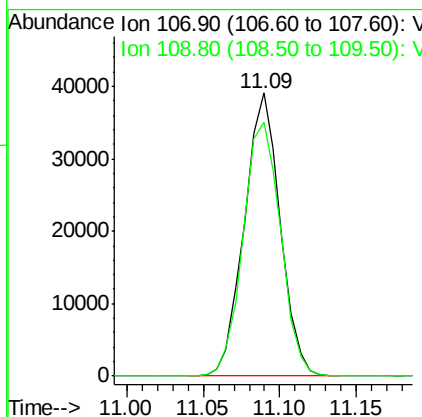
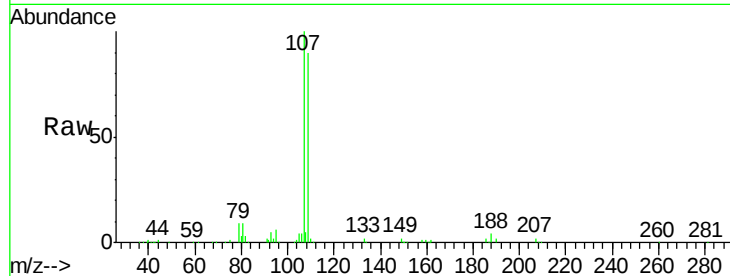
#61
 1,2-Dibromoethane
 Concen: 20.038 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

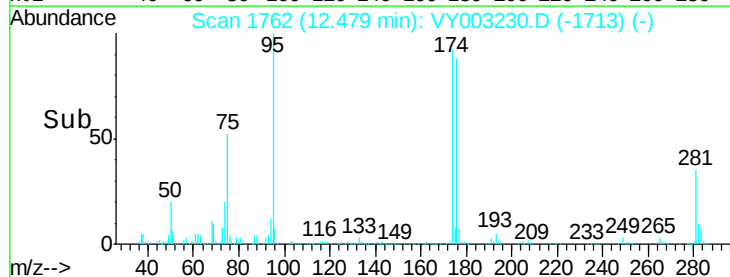
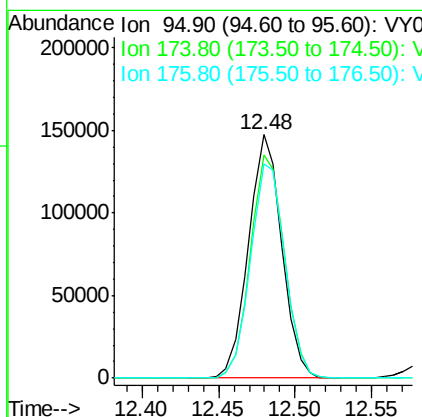
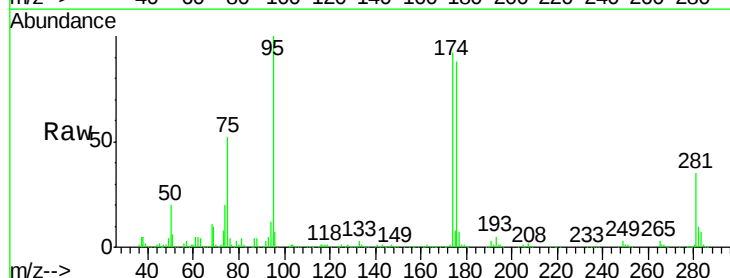
Manual Integrations
 APPROVED

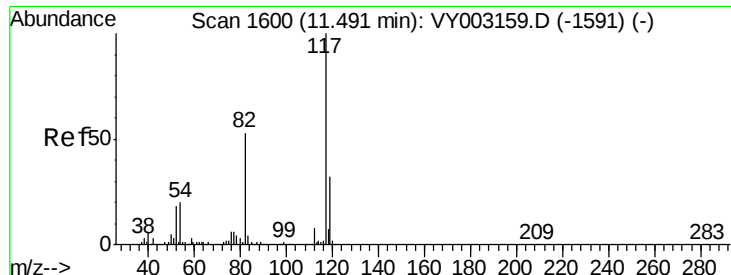
MMDadoda
 7/21/2020 4:58:51 PM



#62
 4-Bromofluorobenzene
 Concen: 47.855 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	190.6
176	90.9	0.0	186.4





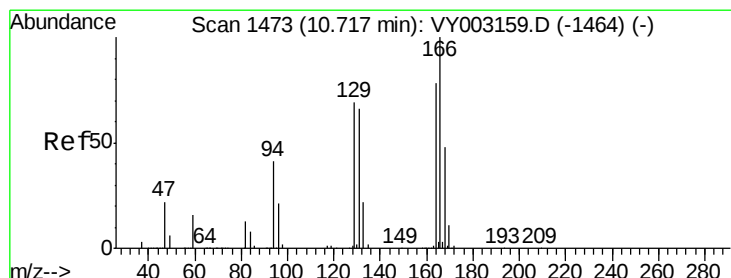
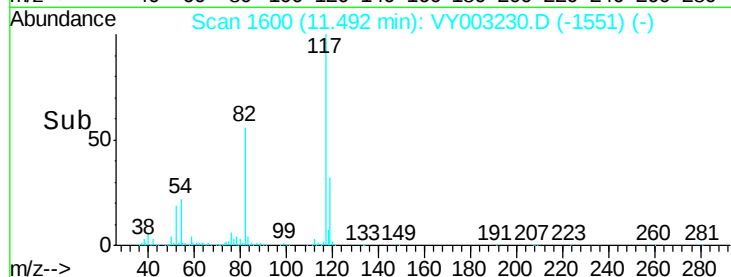
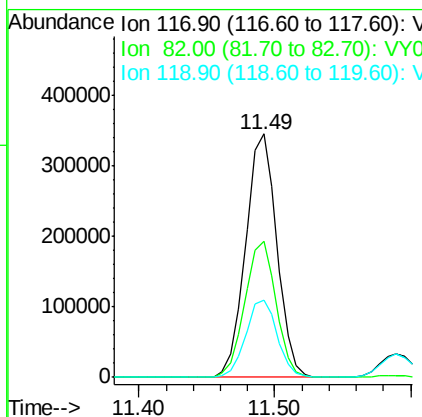
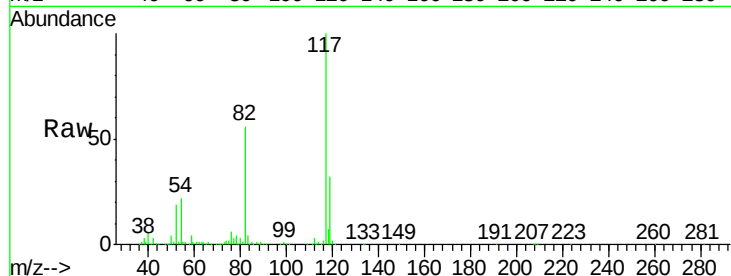
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	556633		
82	55.8	42.0	63.0	
119	31.9	25.5	38.3	

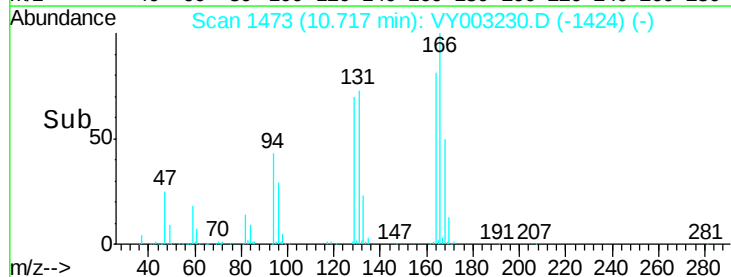
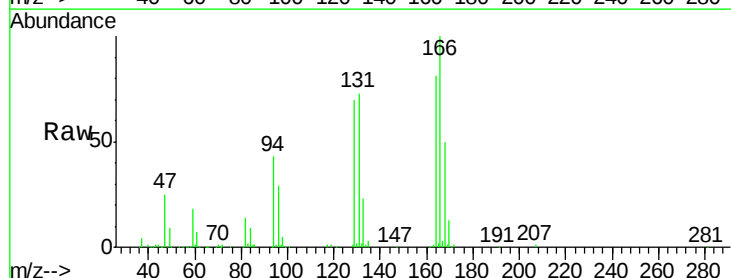
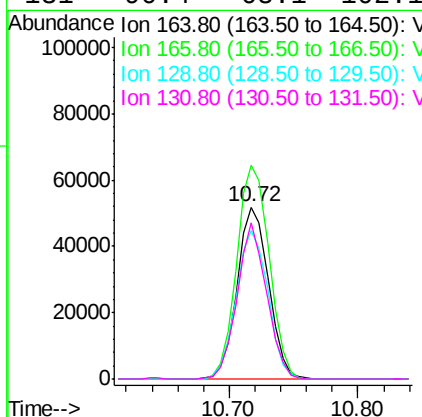
Manual Integrations
APPROVED

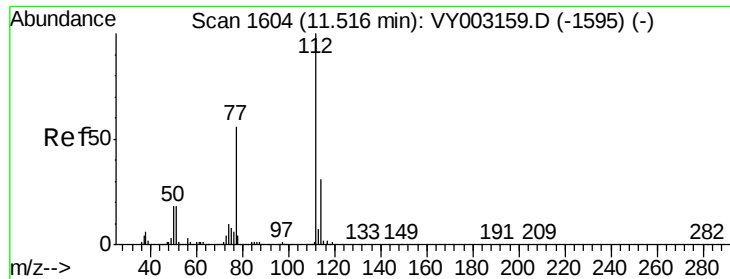
MMDadoda
7/21/2020 4:58:51 PM



#64
Tetrachloroethene
Concen: 17.665 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87675		
166	124.1	102.9	154.3	
129	86.6	71.4	107.2	
131	90.4	68.1	102.1	





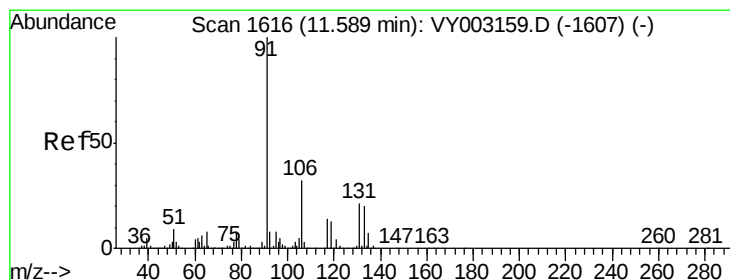
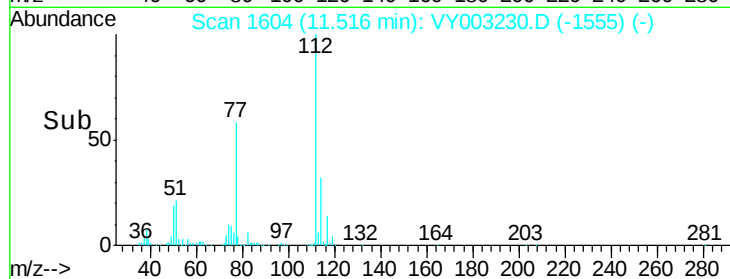
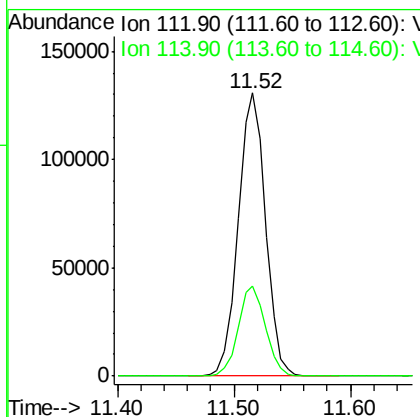
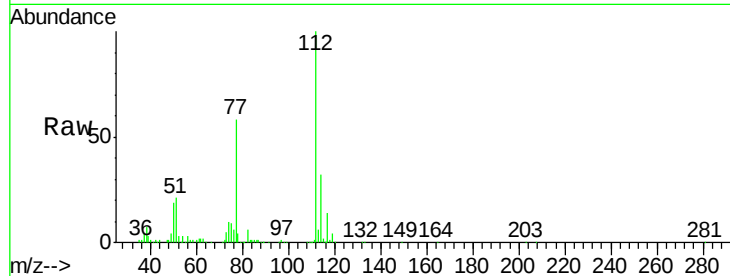
#65
Chlorobenzene
Concen: 19.896 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion:112 Resp: 213346
Ion Ratio Lower Upper
112 100
114 31.9 24.7 37.1

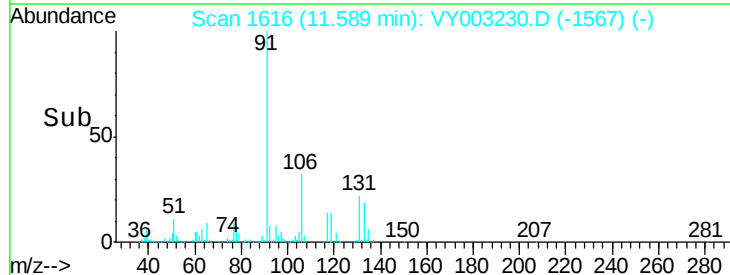
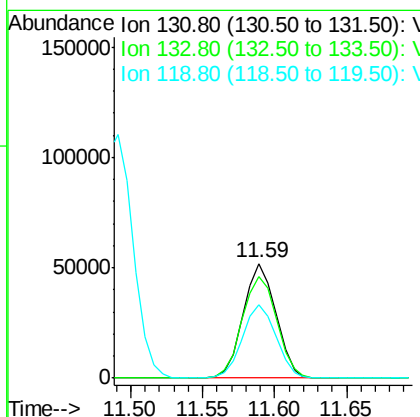
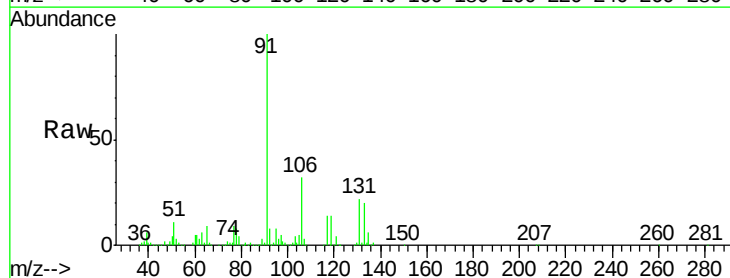
Manual Integrations
APPROVED

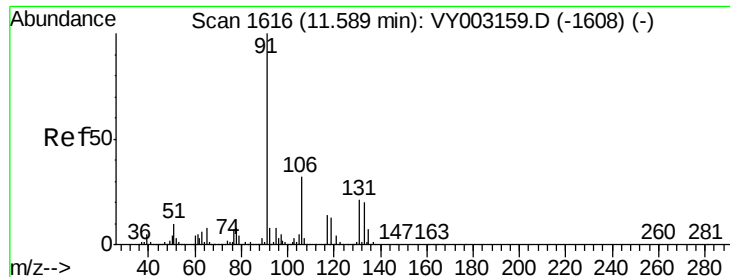
MMDadoda
7/21/2020 4:58:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.543 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion:131 Resp: 81392
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 65.9 32.4 97.0





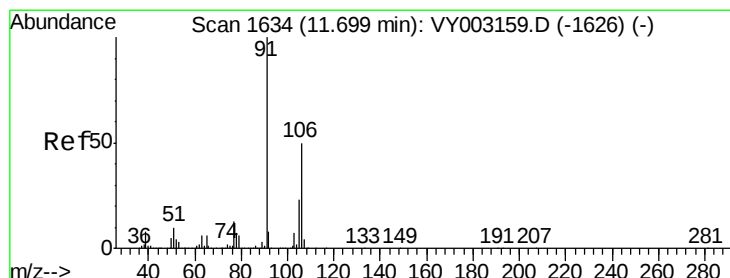
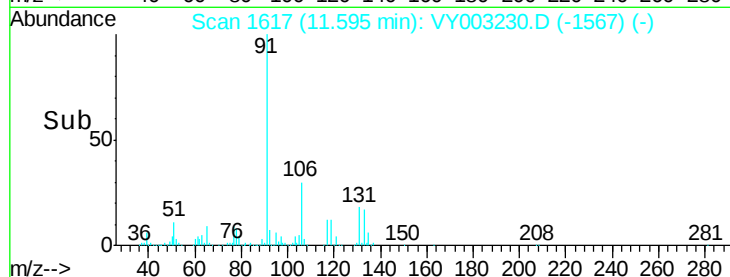
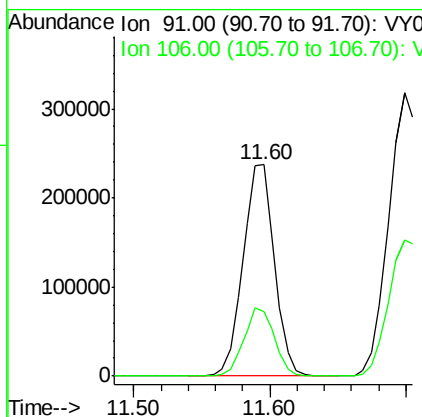
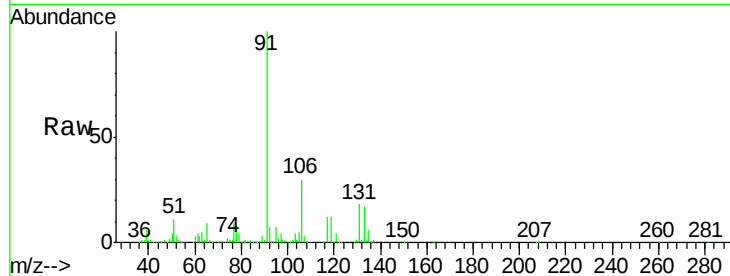
#67
Ethyl Benzene
Concen: 19.896 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.5	38.3

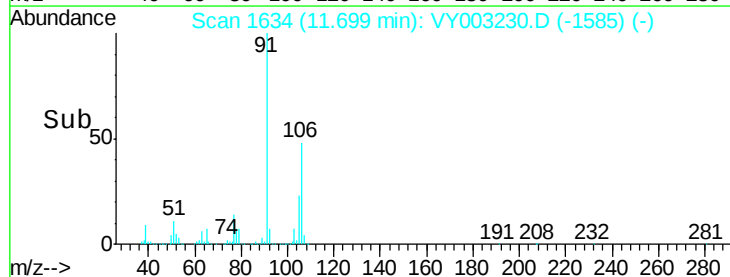
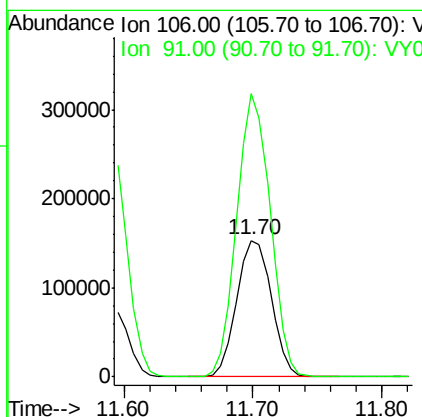
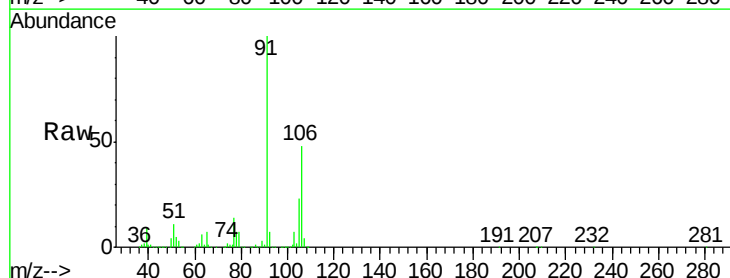
Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#68
m/p-Xylenes
Concen: 39.428 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.4	159.0	238.6





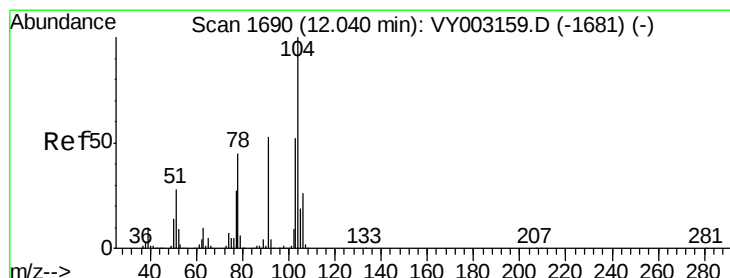
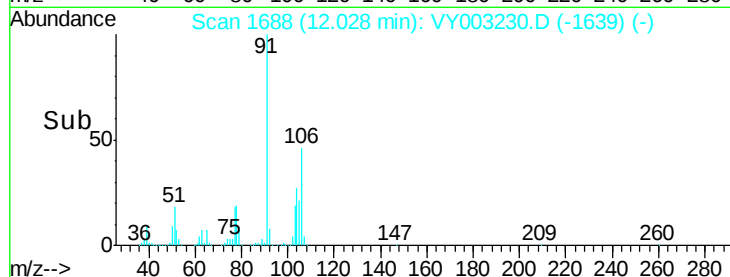
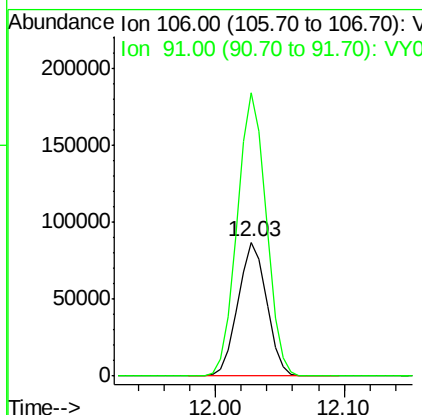
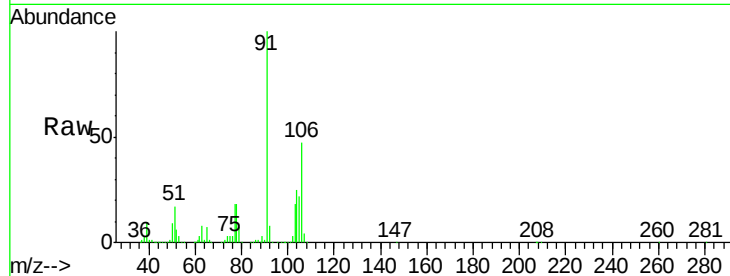
#69
o-Xylene
Concen: 19.711 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.2	105.1	315.1	

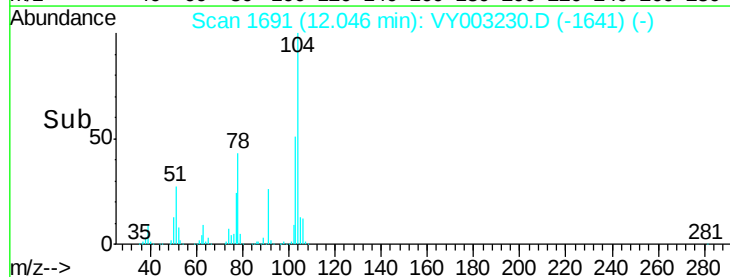
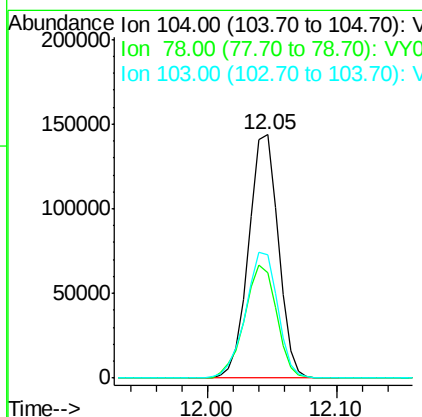
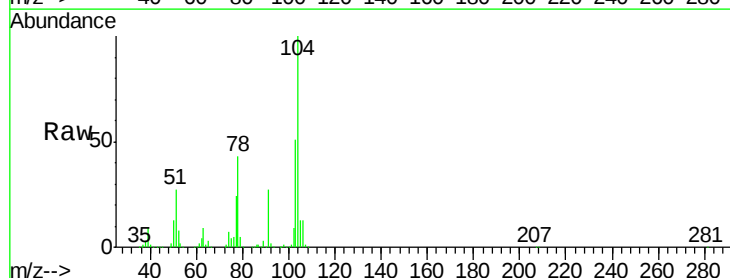
Manual Integrations
APPROVED

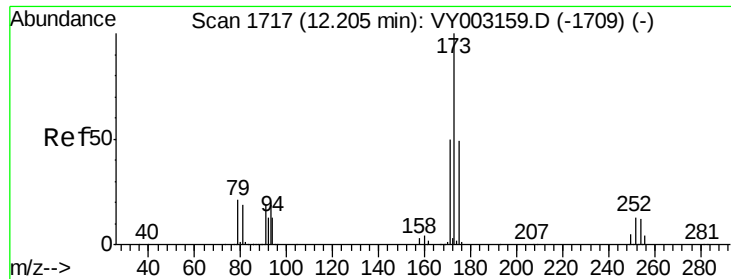
MMDadoda
7/21/2020 4:58:51 PM



#70
Styrene
Concen: 19.689 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.4	38.5	57.7	
103	56.1	43.9	65.9	





#71

Bromoform

Concen: 19.425 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

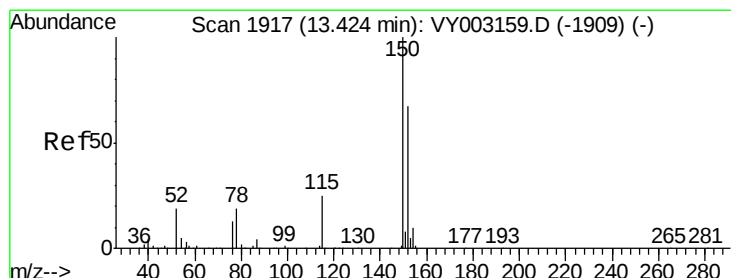
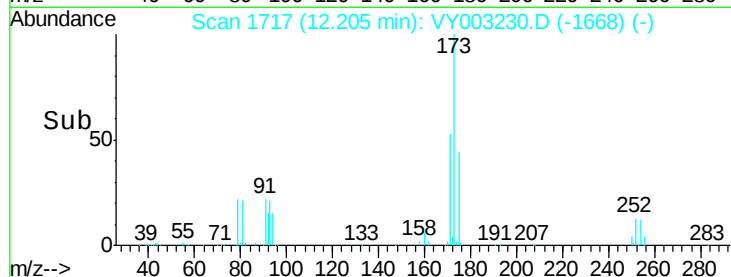
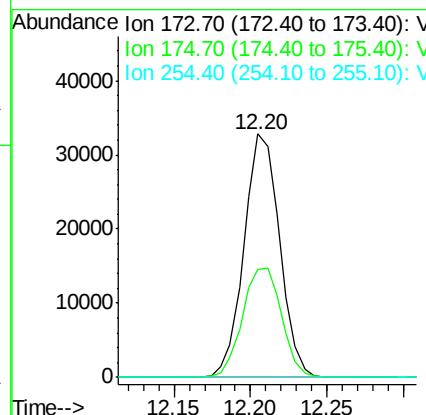
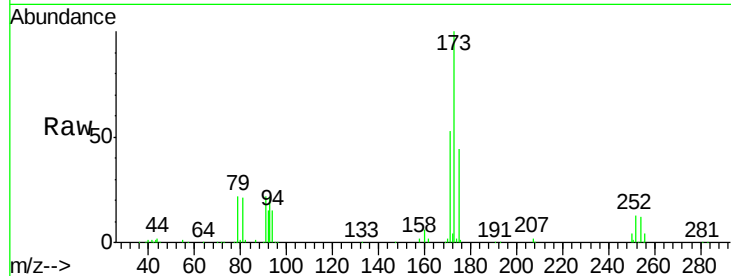
ClientSampleId :

VY0720SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	73.0
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

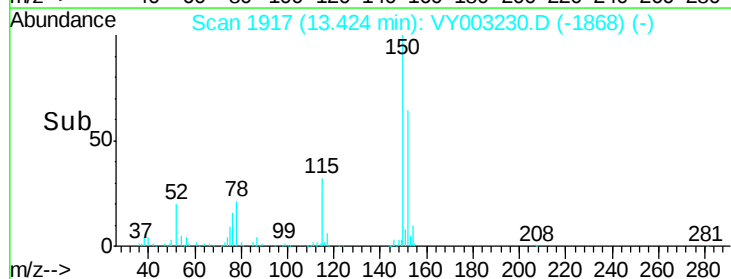
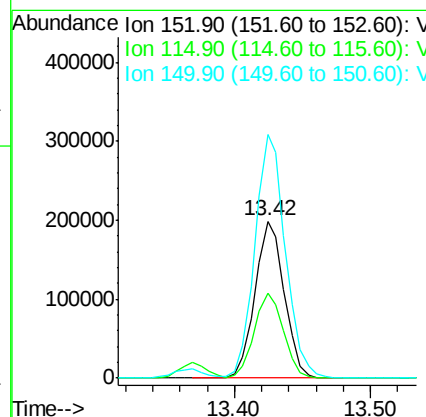
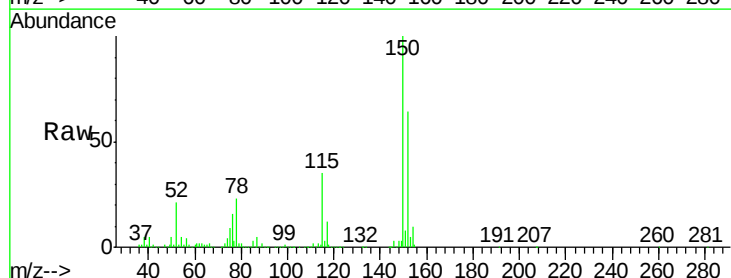
RT: 13.42 min Scan# 1917

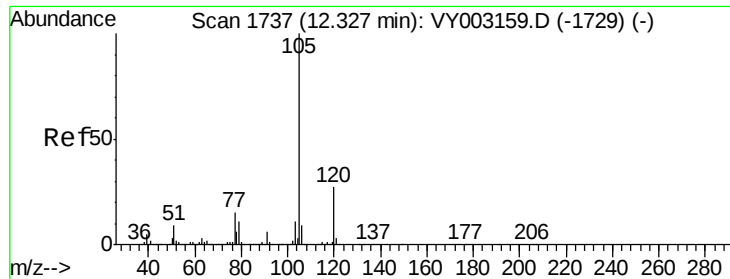
Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.9	80.7
150	162.3	0.0	338.0





#73

Isopropylbenzene

Concen: 19.528 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:105 Resp: 372173

Ion Ratio Lower Upper

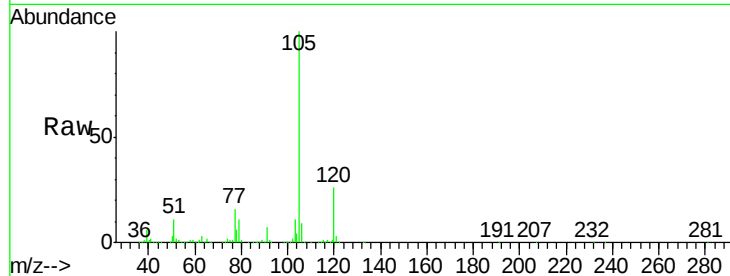
105 100

120 26.4 13.4 40.2

Manual Integrations
APPROVED

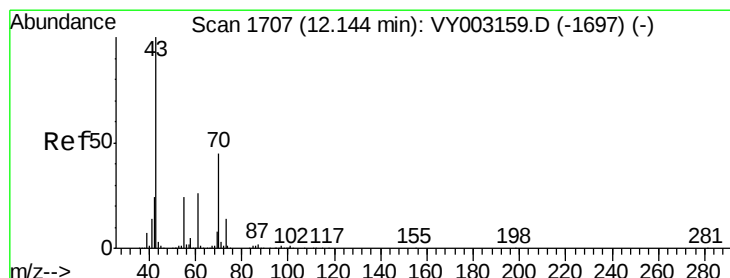
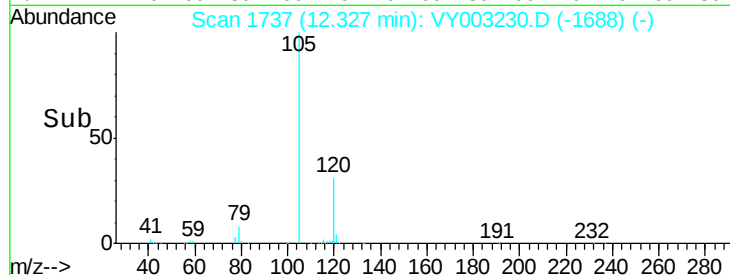
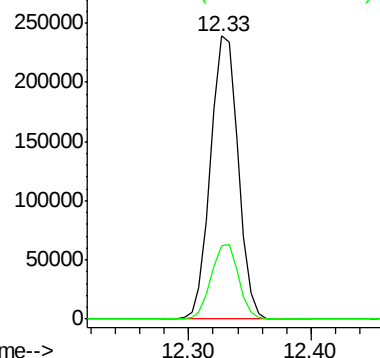
MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.093 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion: 43 Resp: 118147

Ion Ratio Lower Upper

43 100

70 40.6 35.6 53.4

55 24.2 19.4 29.2

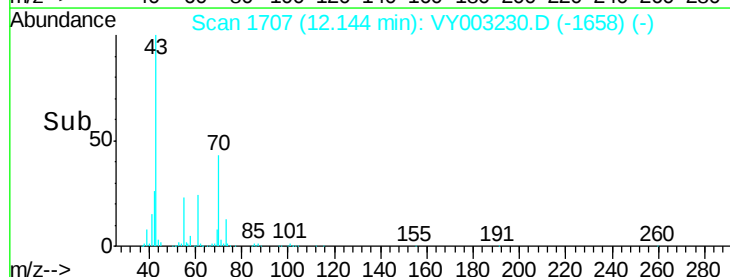
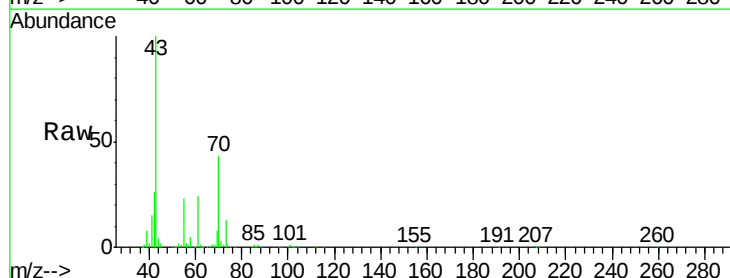
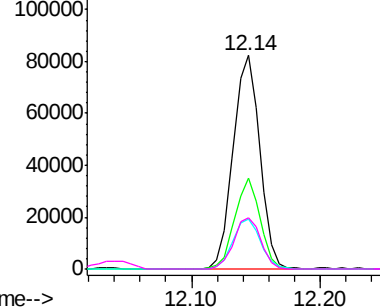
61 24.4 20.8 31.2

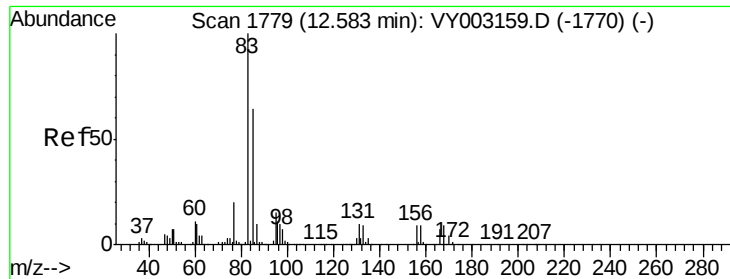
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.277 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

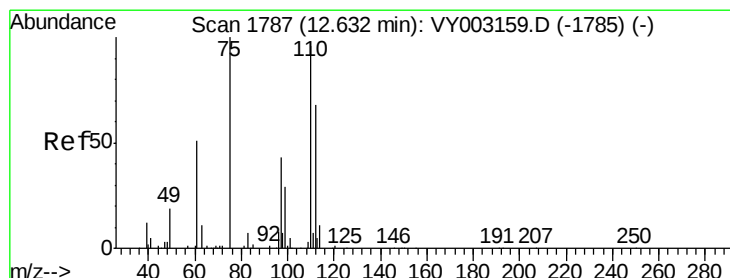
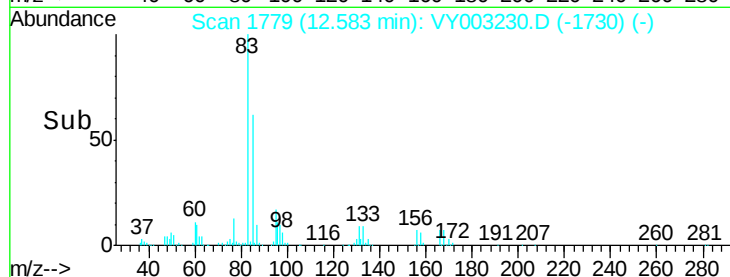
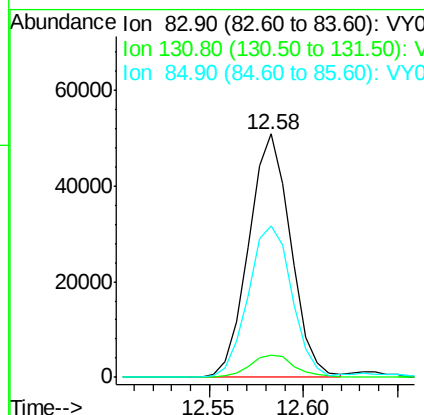
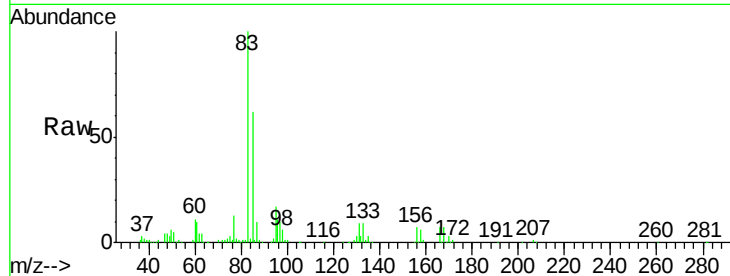
ClientSampleId :

VY0720SBS01

Tot Ion:	83	Resp:	78317
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	65.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#76

1,2,3-Trichloropropane

Concen: 21.842 ug/l m

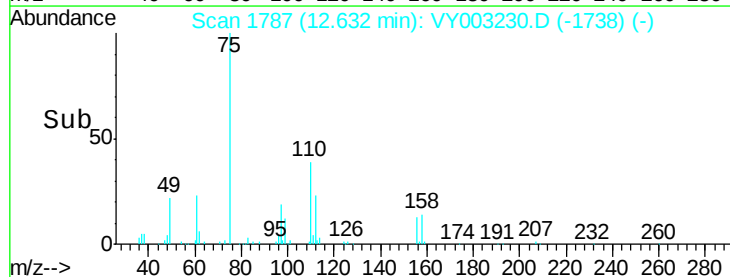
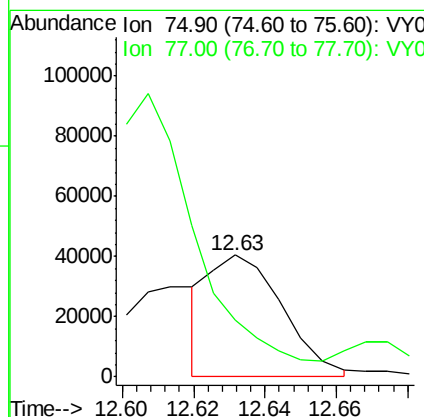
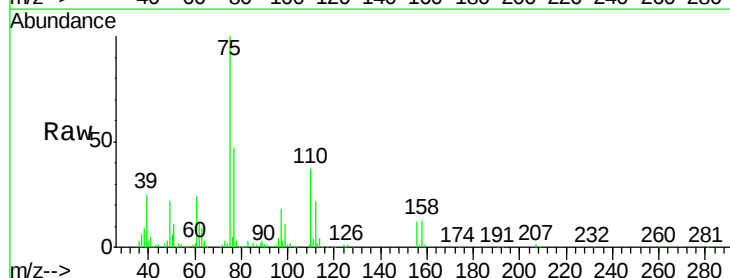
RT: 12.63 min Scan# 1787

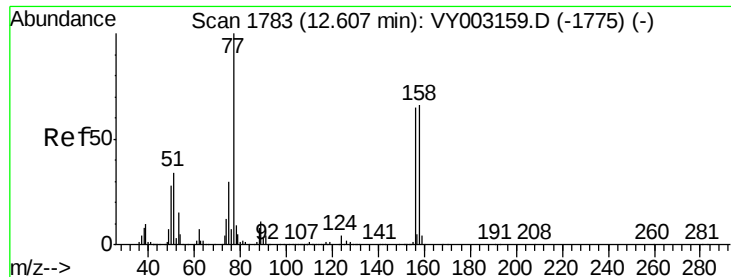
Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion:	75	Resp:	57823
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.436 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

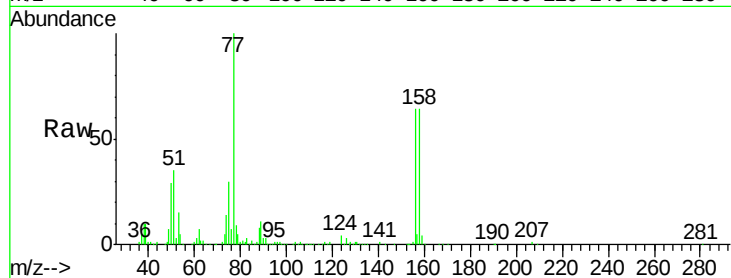
ClientSampleId :

VY0720SBS01

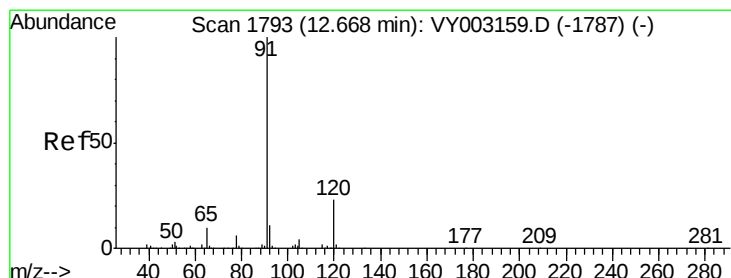
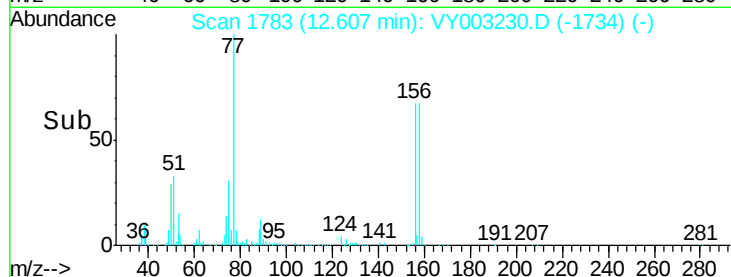
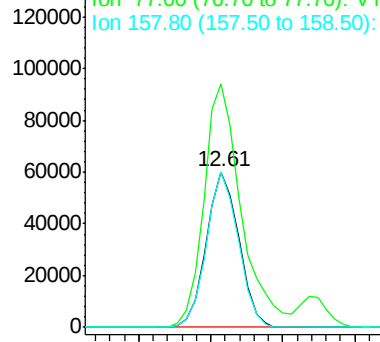
Tot Ion	Ratio	Lower	Upper
156	100		
77	180.1	86.6	259.7
158	97.5	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



Abundance Ion 155.80 (155.50 to 156.50): VY003230.D (-1734) (-)



#78

n-propylbenzene

Concen: 19.896 ug/l

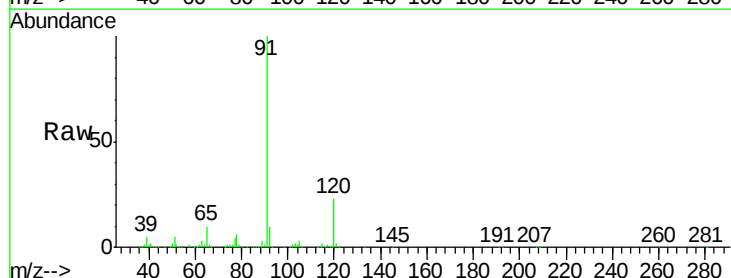
RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

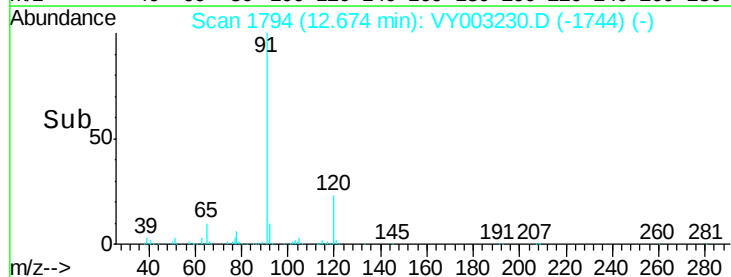
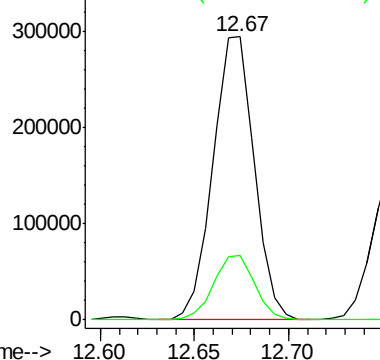
Lab File: VY003230.D

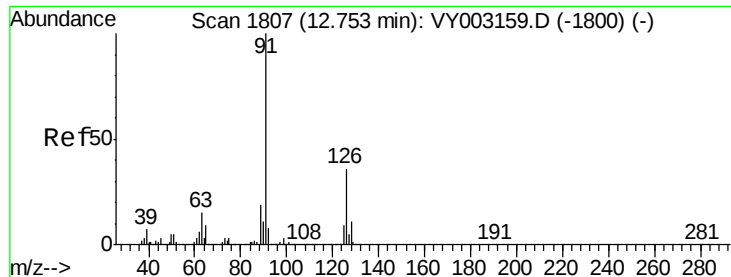
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VY003230.D (-1744) (-)





#79

2-Chlorotoluene

Concen: 19.946 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion: 91 Resp: 250005

Ion Ratio Lower Upper

91 100

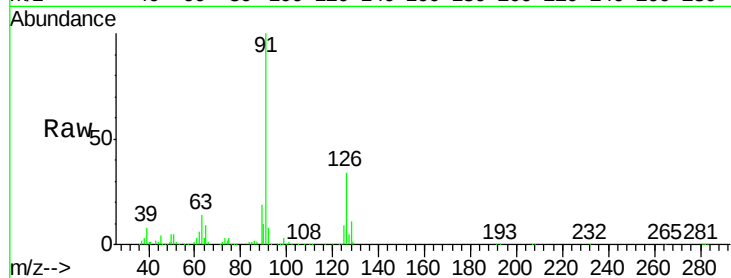
126 34.9 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003159.D (-1800) (-)

300000

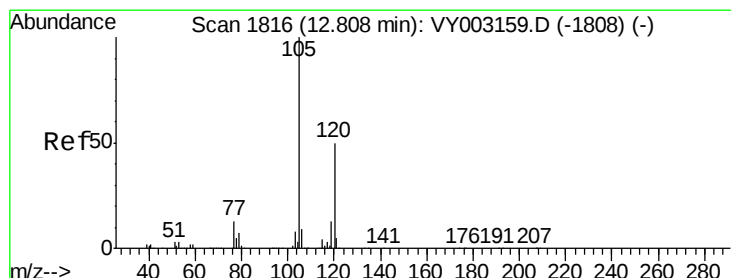
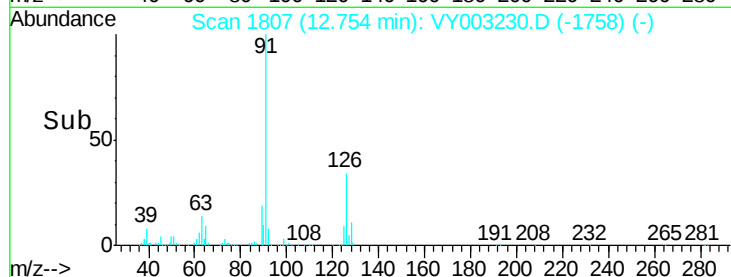
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.485 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003230.D

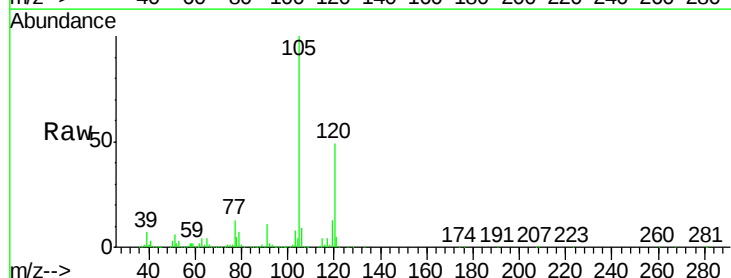
Acq: 20 Jul 2020 14:40

Tgt Ion: 105 Resp: 309514

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003159.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY003159.D (-1808) (-)

200000

150000

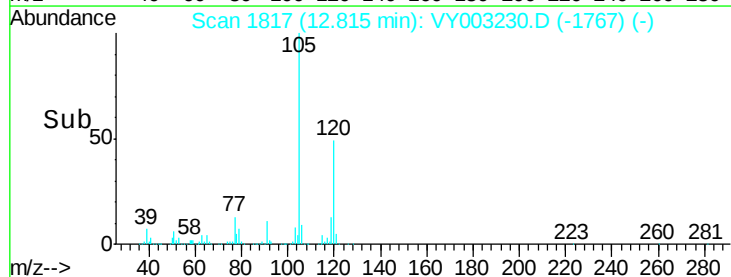
100000

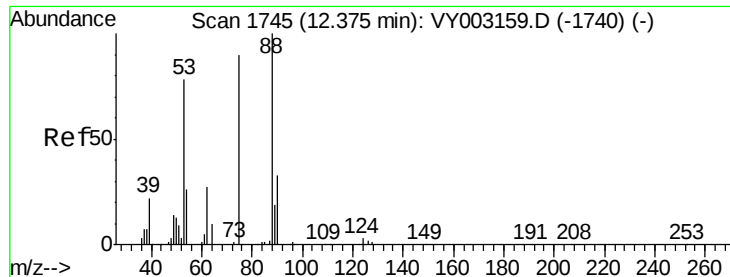
50000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.744 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

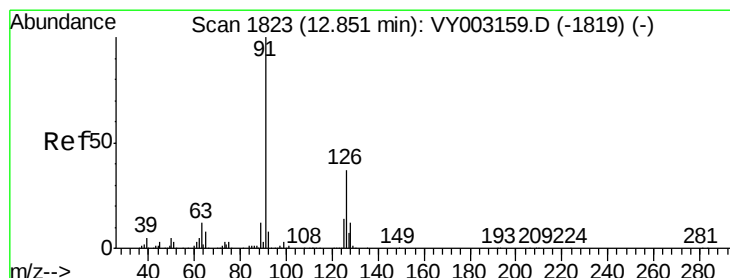
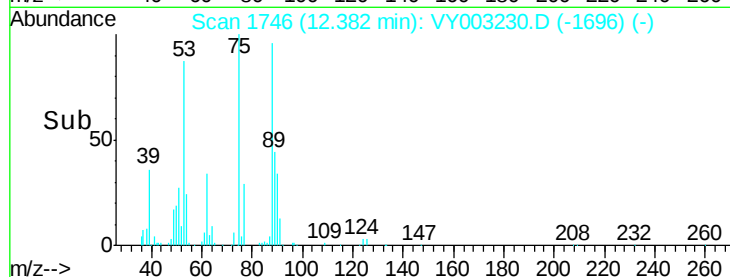
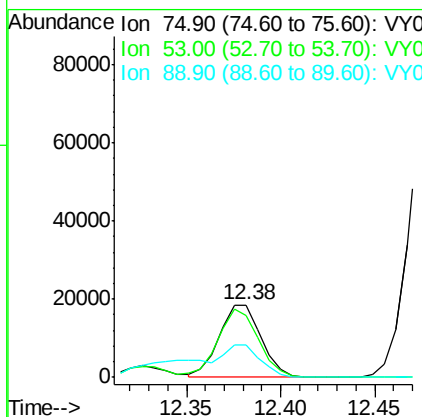
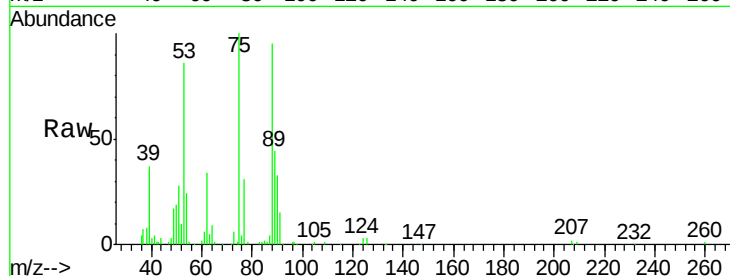
ClientSampleId :

VY0720SBS01

Tot Ion:	75	Resp:	28217
Ion	Ratio	Lower	Upper
75	100		
53	93.1	72.0	108.0
89	81.5	37.3	55.9#

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#82

4-Chlorotoluene

Concen: 20.325 ug/l

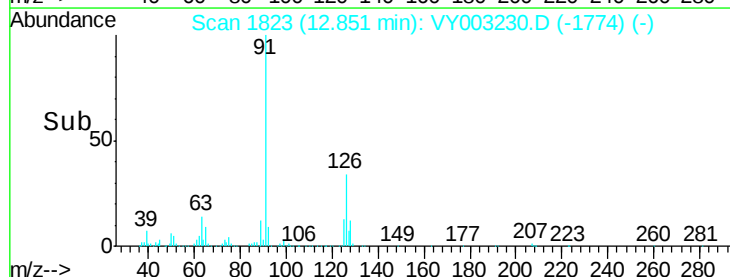
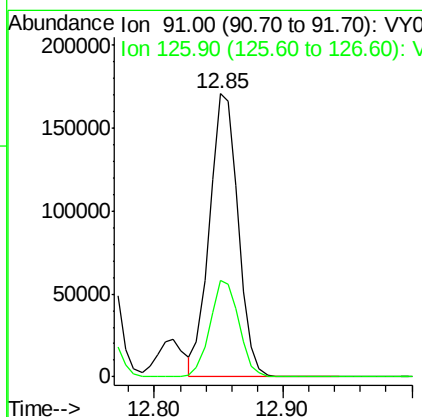
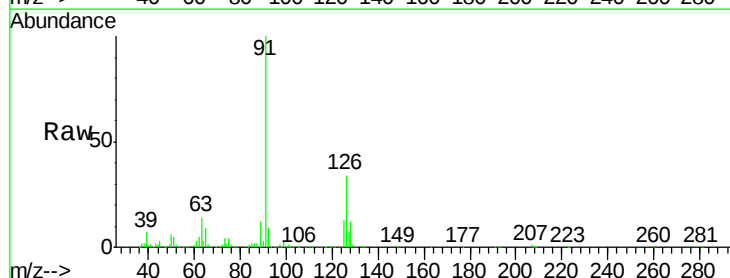
RT: 12.85 min Scan# 1823

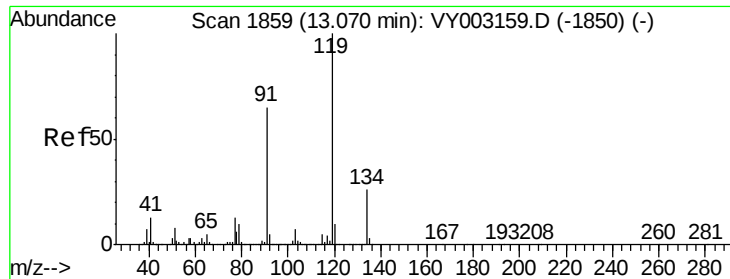
Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion:	91	Resp:	265909
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.9	53.7





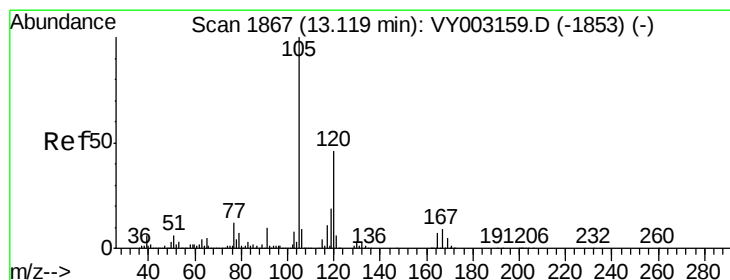
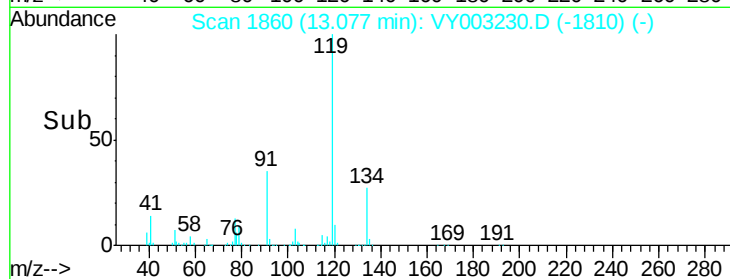
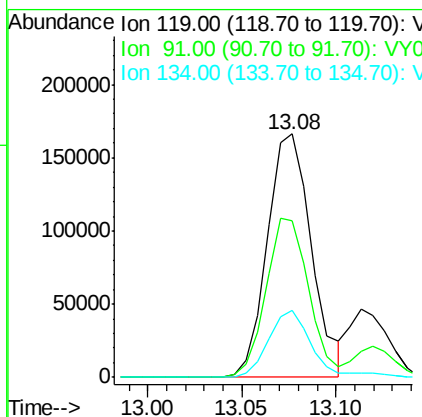
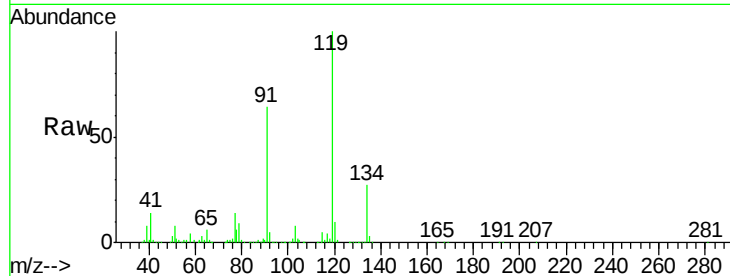
#83
tert-Butylbenzene
Concen: 19.336 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	30.8	92.4
134	27.0	13.2	39.6

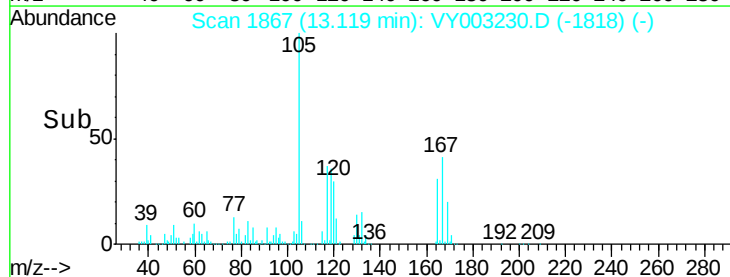
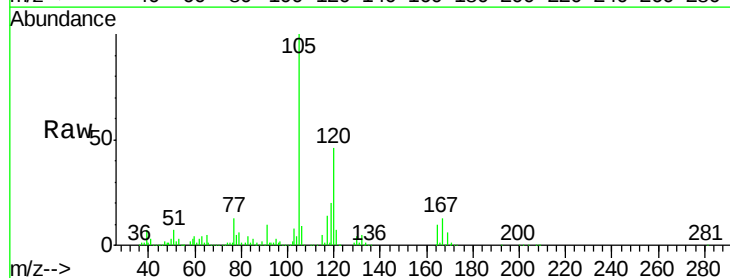
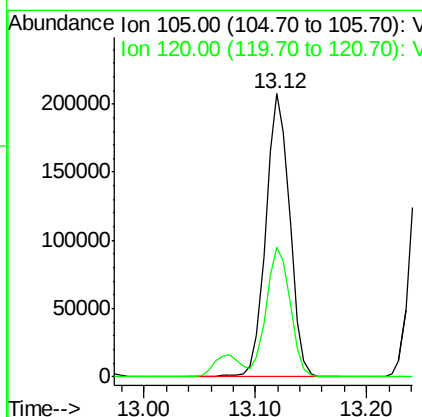
Manual Integrations
APPROVED

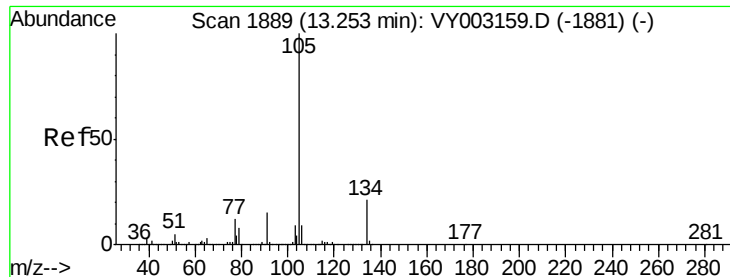
MMDadoda
7/21/2020 4:58:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.499 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.5	67.5





#85

sec-Butylbenzene

Concen: 19.858 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0720SBS01

Tot Ion:105 Resp: 382556

Ion Ratio Lower Upper

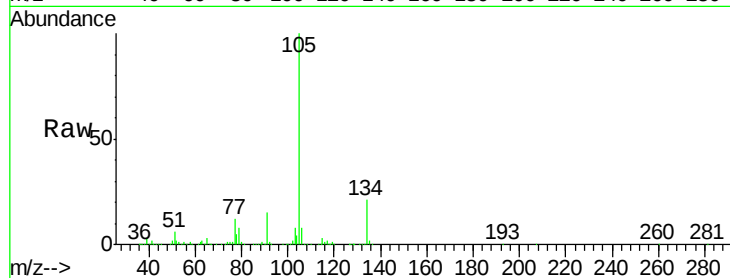
105 100

134 20.5 10.4 31.4

Manual Integrations
APPROVED

MMDadoda

7/21/2020 4:58:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

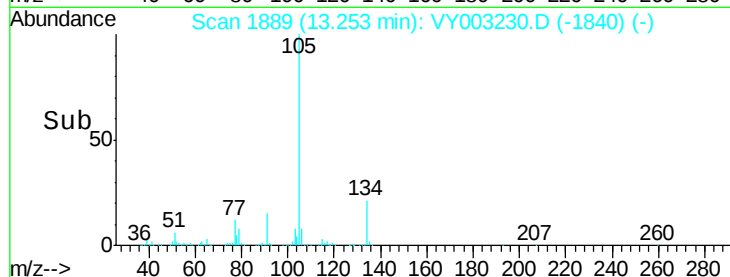
150000

100000

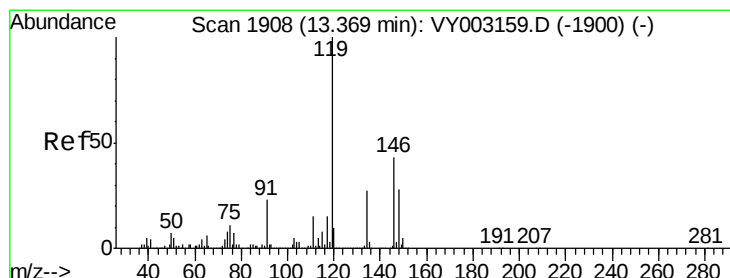
50000

0

Time-->



Time-->



#86

p-Isopropyltoluene

Concen: 19.407 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

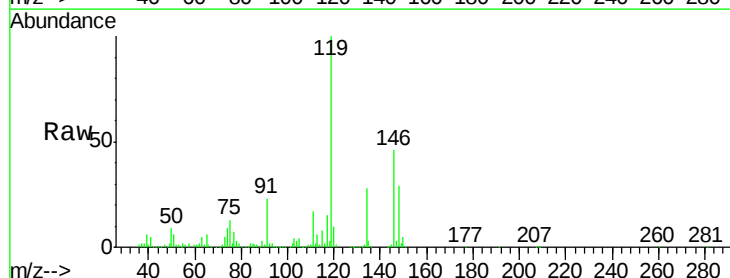
Tgt Ion:119 Resp: 349082

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 22.9 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

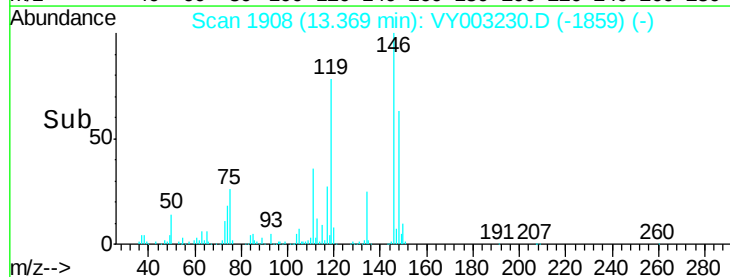
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.419 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

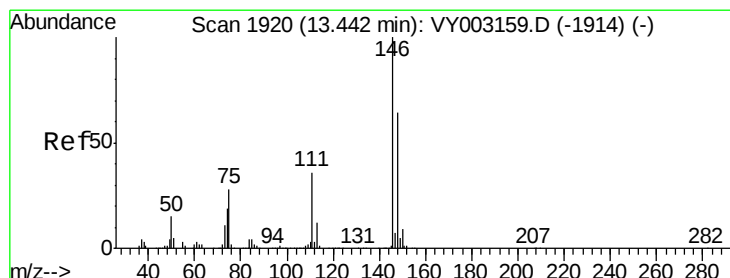
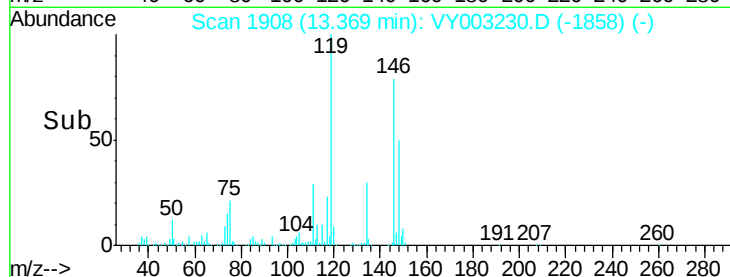
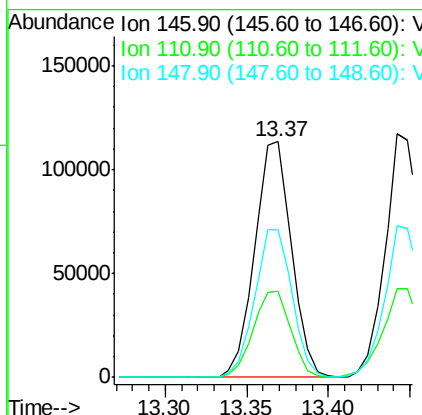
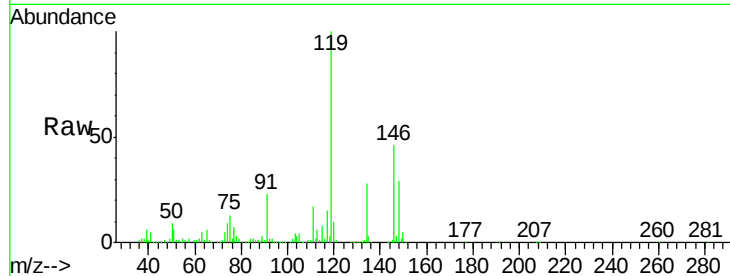
Instrument :
MSVOA_Y

ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	63.4	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#88

1,4-Dichlorobenzene

Concen: 19.590 ug/l

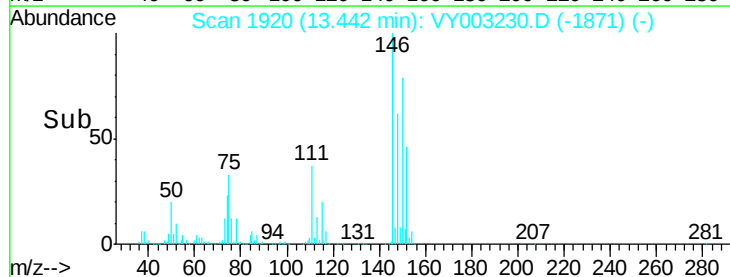
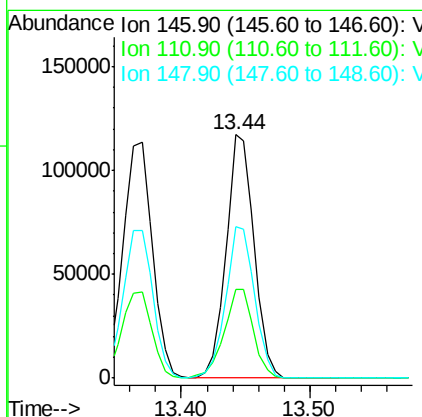
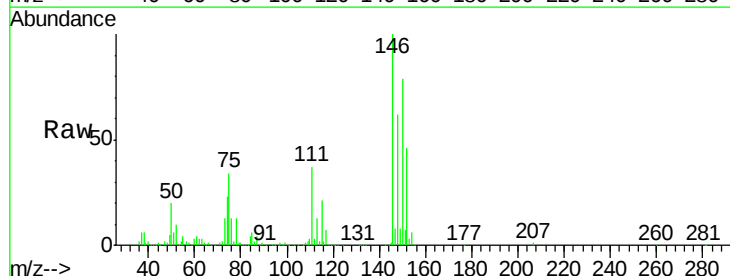
RT: 13.44 min Scan# 1920

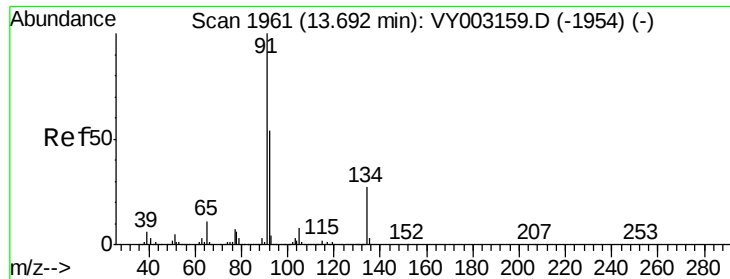
Delta R.T. 0.00 min

Lab File: VY003230.D

Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.0
148	64.2	32.0	96.0





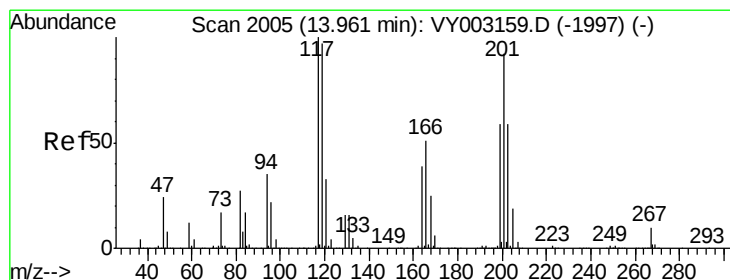
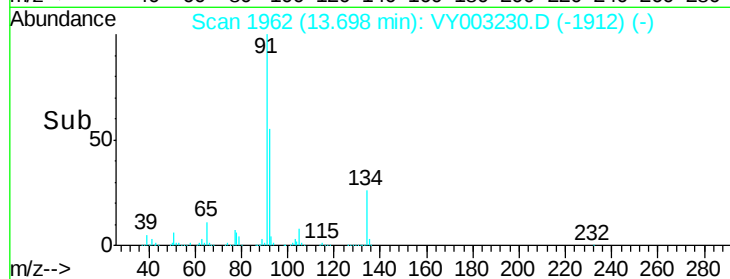
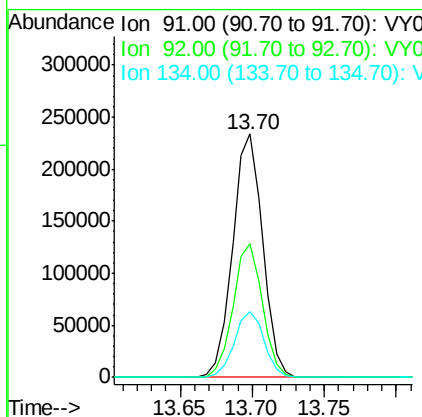
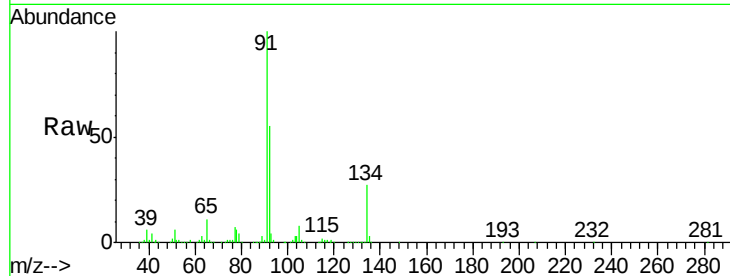
#89
n-Butylbenzene
Concen: 20.068 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	26.7	13.6	40.7

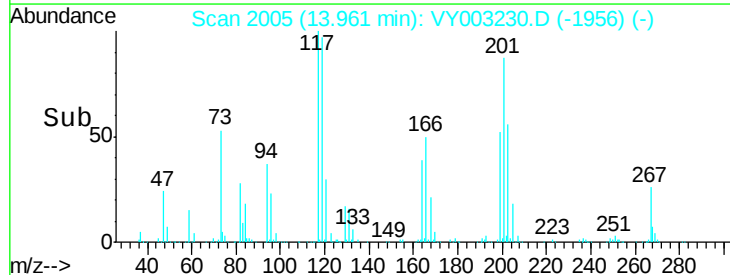
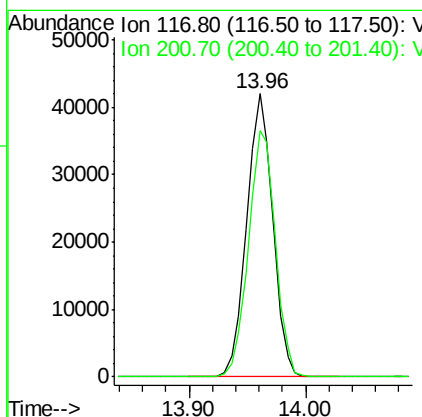
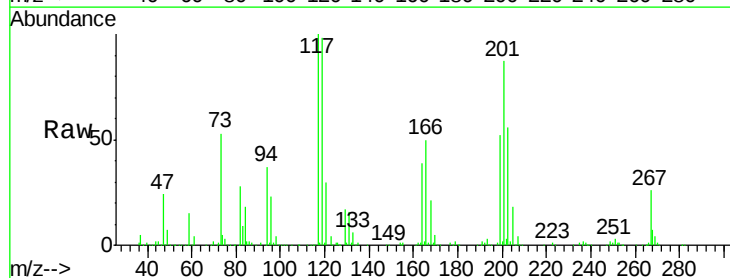
Manual Integrations
APPROVED

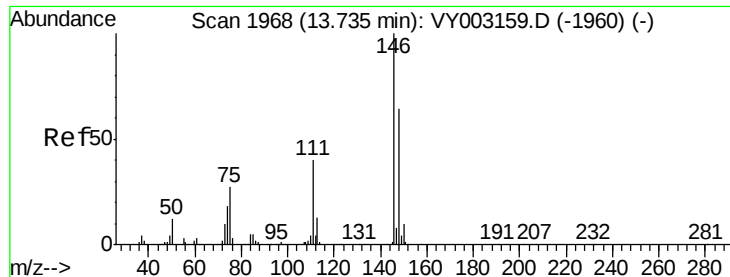
MMDadoda
7/21/2020 4:58:51 PM



#90
Hexachloroethane
Concen: 20.077 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.1	135.3





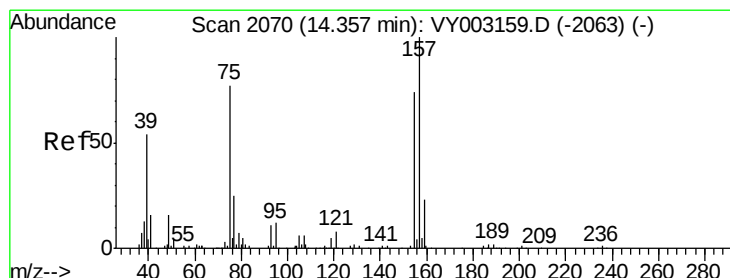
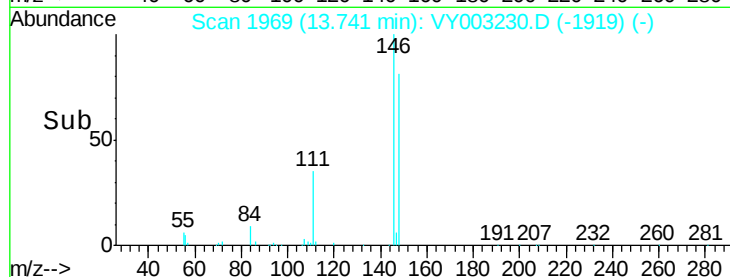
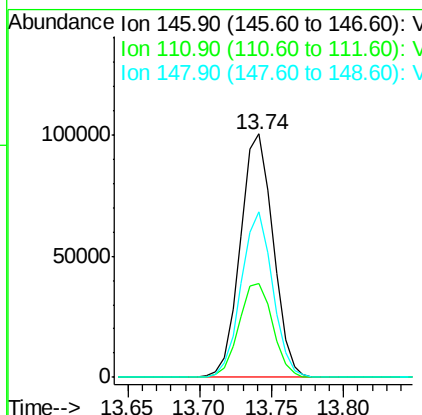
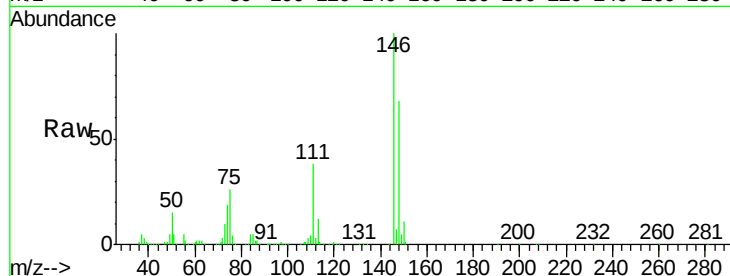
#91
 1,2-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	65.3	32.4	97.0

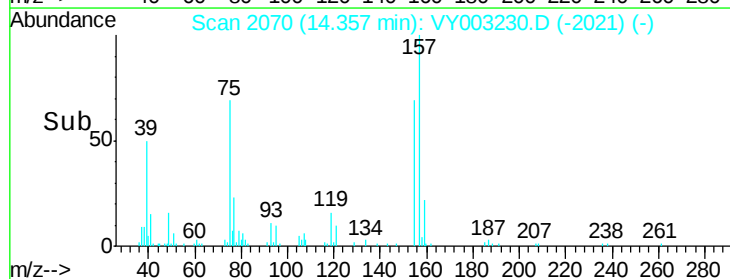
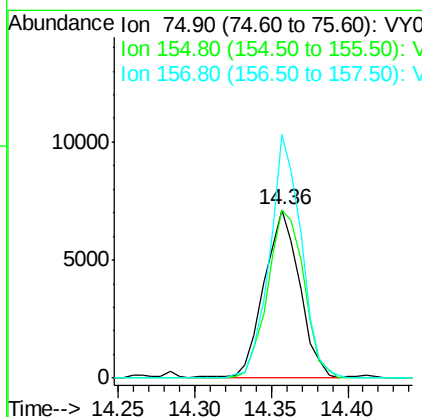
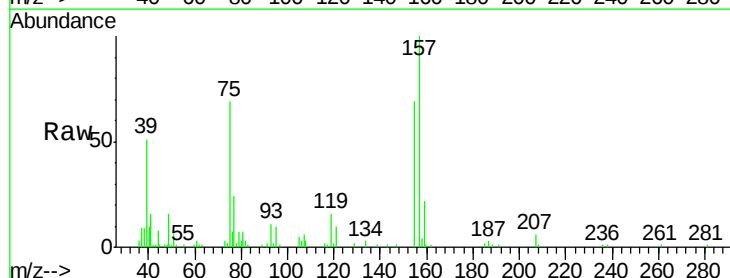
Manual Integrations
 APPROVED

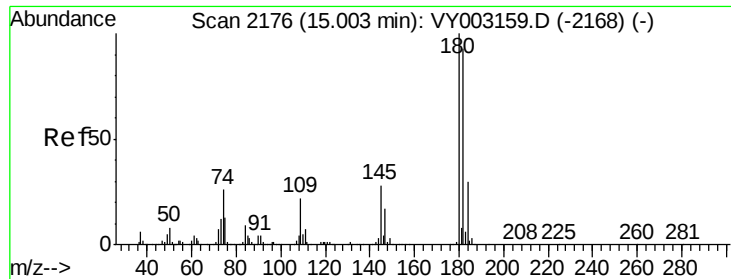
MMDadoda
 7/21/2020 4:58:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.341 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	48.1	144.3
157	128.3	61.9	185.6





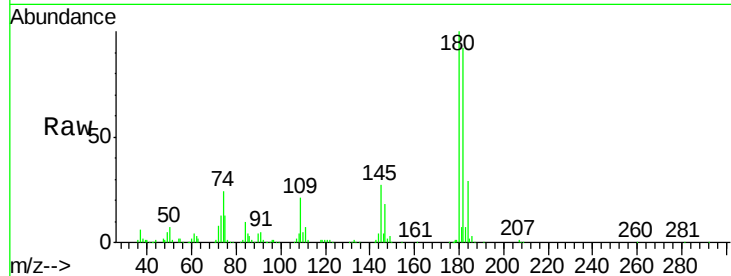
#93
 1,2,4-Trichlorobenzene
 Concen: 20.074 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115135		
182	94.8	47.3	142.0	
145	27.7	13.7	41.1	

Manual Integrations
 APPROVED

MMDadoda
 7/21/2020 4:58:51 PM

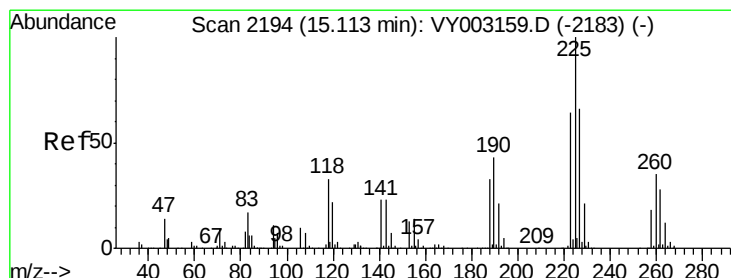
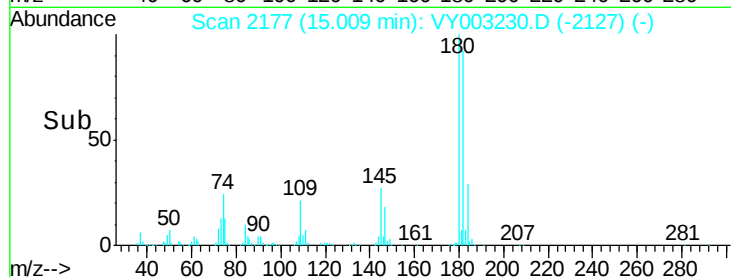
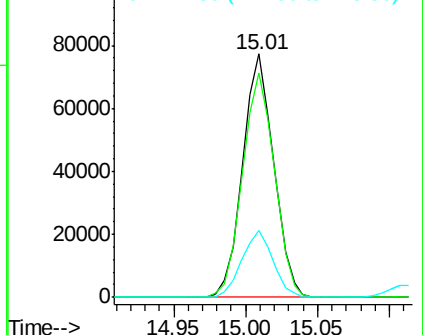


Abundance

Ion 179.80 (179.50 to 180.50): V

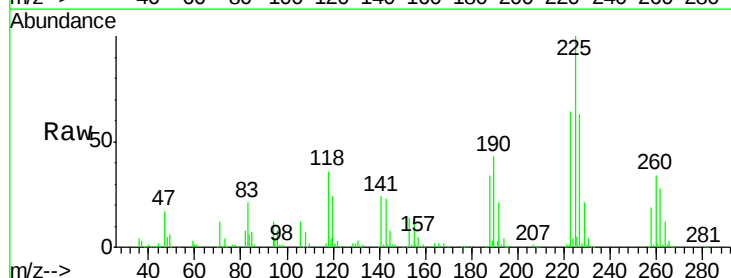
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.231 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003230.D
 Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79510		
223	61.5	31.6	94.7	
227	60.8	32.3	96.8	

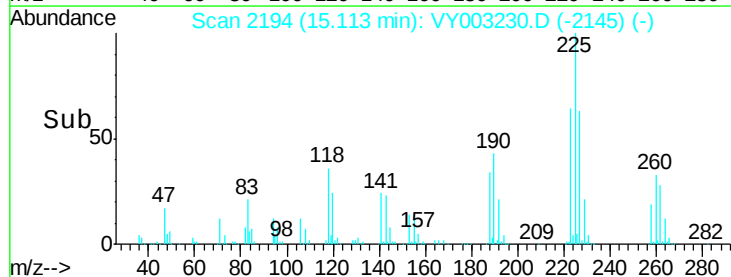
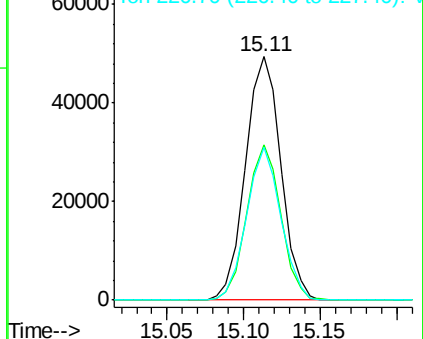


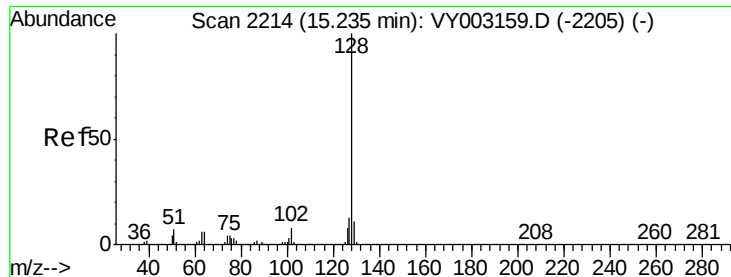
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





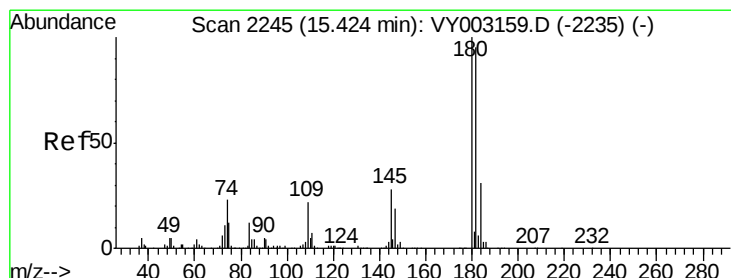
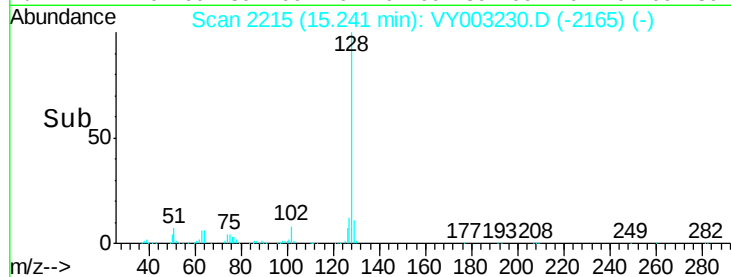
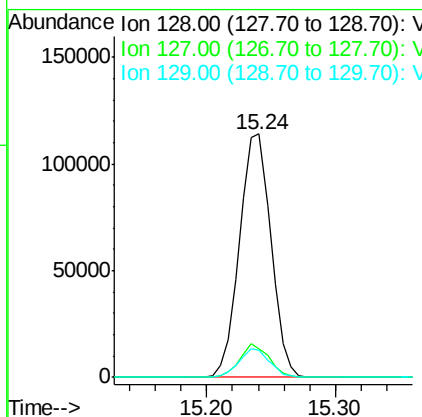
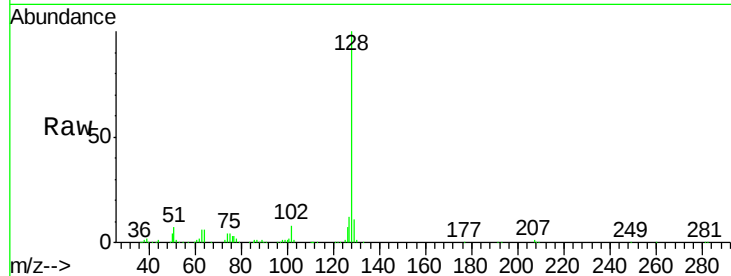
#95
Naphthalene
Concen: 20.350 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192889		
127	12.8	10.9	16.3	
129	11.4	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
7/21/2020 4:58:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.711 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003230.D
Acq: 20 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89367		
182	97.0	48.8	146.3	
145	30.0	14.9	44.5	

