

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002558.D
 Acq On : 04 May 2020 22:59
 Operator : SY/MD
 Sample : VY0504SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:24 AM

Quant Time: May 05 08:56:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	380448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	593701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	539520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	271013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	166479	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.75	113	172295	50.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.19	98	666125	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.49	95	226922	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	44774	15.519	ug/l	100
3) Chloromethane	2.13	50	55631	18.048	ug/l	98
4) Vinyl Chloride	2.27	62	64832	18.216	ug/l	98
5) Bromomethane	2.65	94	47211	19.235	ug/l	97
6) Chloroethane	2.81	64	41163	19.369	ug/l	98
7) Trichlorofluoromethane	3.15	101	103778	18.813	ug/l	99
8) Diethyl Ether	3.55	74	38475	20.756	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	65070	19.301	ug/l	99
10) Methyl Iodide	4.11	142	88929	19.362	ug/l	100
11) Tert butyl alcohol	4.99	59	37426	113.719	ug/l	96
12) 1,1-Dichloroethene	3.90	96	63886	19.507	ug/l	98
13) Acrolein	3.76	56	18807	82.639	ug/l	100
14) Allyl chloride	4.51	41	98029	20.543	ug/l	98
15) Acrylonitrile	5.20	53	91921	105.153	ug/l	99
16) Acetone	3.98	43	65524	99.252	ug/l	100
17) Carbon Disulfide	4.22	76	177877	18.053	ug/l	99
18) Methyl Acetate	4.52	43	47379	21.479	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	180943	21.176	ug/l	99
20) Methylene Chloride	4.75	84	80616	21.837	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	73043	20.405	ug/l	93
22) Diisopropyl ether	6.16	45	212309	21.989	ug/l	96
23) Vinyl Acetate	6.10	43	640630	105.503	ug/l	100
24) 1,1-Dichloroethane	6.05	63	120443	21.086	ug/l	100
25) 2-Butanone	7.02	43	112432	104.039	ug/l	95
26) 2,2-Dichloropropane	7.02	77	99828	18.386	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	83799	21.157	ug/l	97
28) Bromochloromethane	7.36	49	49315	21.072	ug/l	100
29) Tetrahydrofuran	7.38	42	76753	107.348	ug/l	98
30) Chloroform	7.53	83	125389	21.112	ug/l	99
31) Cyclohexane	7.81	56	108233	18.824	ug/l	# 95
32) 1,1,1-Trichloroethane	7.73	97	110894	20.088	ug/l	99
36) 1,1-Dichloropropene	7.94	75	94366	18.960	ug/l	99
37) Ethyl Acetate	7.11	43	51244	20.036	ug/l	99
38) Carbon Tetrachloride	7.93	117	100896	18.568	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002558.D
 Acq On : 04 May 2020 22:59
 Operator : SY/MD
 Sample : VY0504SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0504SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:24 AM

Quant Time: May 05 08:56:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	119412	18.165	ug/l	97
40) Benzene	8.19	78	283750	19.739	ug/l	99
41) Methacrylonitrile	7.35	41	33066m	24.046	ug/l	
42) 1,2-Dichloroethane	8.26	62	78537	19.478	ug/l	99
43) Isopropyl Acetate	8.30	43	97019	20.234	ug/l	100
44) Trichloroethene	8.96	130	87999	19.589	ug/l	97
45) 1,2-Dichloropropane	9.24	63	70444	20.305	ug/l	99
46) Dibromomethane	9.33	93	39683	19.880	ug/l	100
47) Bromodichloromethane	9.52	83	96823	19.949	ug/l	99
48) Methyl methacrylate	9.31	41	43516	20.054	ug/l	99
49) 1,4-Dioxane	9.31	88	10661	403.385	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	253917	102.742	ug/l	100
52) Toluene	10.26	92	180254	19.512	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	98168	19.304	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	115233	19.601	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	58749	20.183	ug/l	98
56) Ethyl methacrylate	10.52	69	77426	19.995	ug/l	98
57) 1,3-Dichloropropane	10.80	76	100622	20.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	205473	100.619	ug/l	99
59) 2-Hexanone	10.85	43	172217	101.245	ug/l	100
60) Dibromochloromethane	11.00	129	74074	20.008	ug/l	100
61) 1,2-Dibromoethane	11.10	107	56889	19.738	ug/l	100
64) Tetrachloroethene	10.74	164	98220	20.490	ug/l	99
65) Chlorobenzene	11.53	112	203101	19.803	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	75870	19.928	ug/l	98
67) Ethyl Benzene	11.61	91	353787	19.638	ug/l	100
68) m/p-Xylenes	11.72	106	269729	38.694	ug/l	99
69) o-Xylene	12.04	106	129092	19.779	ug/l	99
70) Styrene	12.06	104	221291	19.833	ug/l	98
71) Bromoform	12.22	173	46622	19.730	ug/l #	97
73) Isopropylbenzene	12.34	105	348820	19.860	ug/l	100
74) N-amyl acetate	12.16	43	86820	20.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	53858	19.281	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	46744m	19.409	ug/l	
77) Bromobenzene	12.62	156	89321	20.355	ug/l	99
78) n-propylbenzene	12.68	91	402471	19.745	ug/l	100
79) 2-Chlorotoluene	12.77	91	226184	20.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	288005	19.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	21557	17.948	ug/l	95
82) 4-Chlorotoluene	12.86	91	235740	19.877	ug/l	100
83) tert-Butylbenzene	13.09	119	260898	20.437	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	289293	19.937	ug/l	100
85) sec-Butylbenzene	13.27	105	354905	20.035	ug/l	99
86) p-Isopropyltoluene	13.38	119	326822	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	165696	19.950	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	166074	20.194	ug/l	99
89) n-Butylbenzene	13.70	91	292517	19.359	ug/l	100
90) Hexachloroethane	13.97	117	61631	20.389	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	149801	20.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	10278	19.739	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
Data File : VY002558.D
Acq On : 04 May 2020 22:59
Operator : SY/MD
Sample : VY0504SBSD02
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

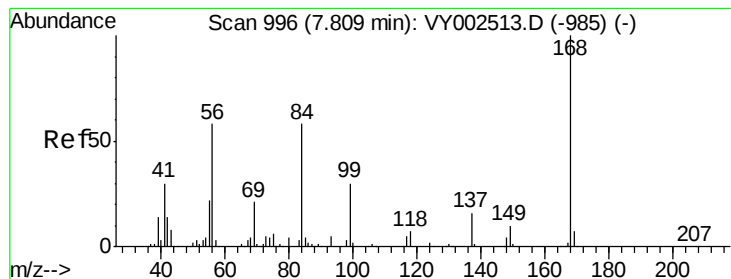
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM

Quant Time: May 05 08:56:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107124	19.910	ug/l	99
94) Hexachlorobutadiene	15.12	225	65479	20.274	ug/l	98
95) Naphthalene	15.25	128	200680	20.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90845	19.889	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion:168 Resp: 380448

Ion Ratio Lower Upper

168 100

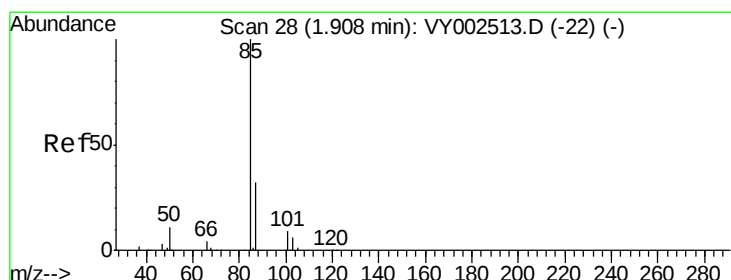
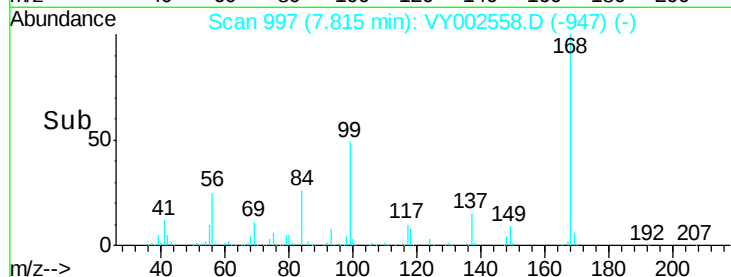
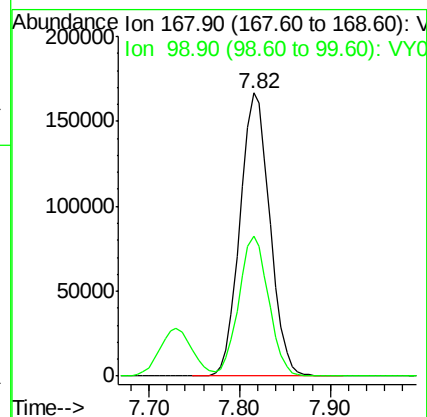
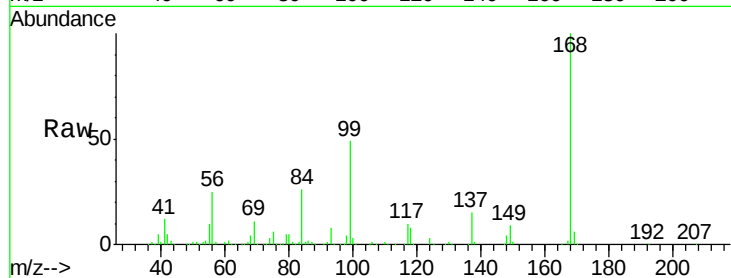
99 49.5 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:29:24 AM



#2

Dichlorodifluoromethane

Concen: 15.519 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002558.D

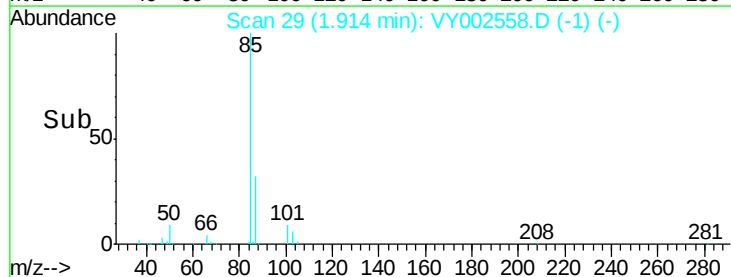
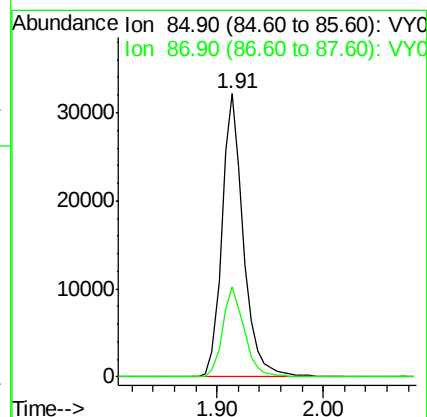
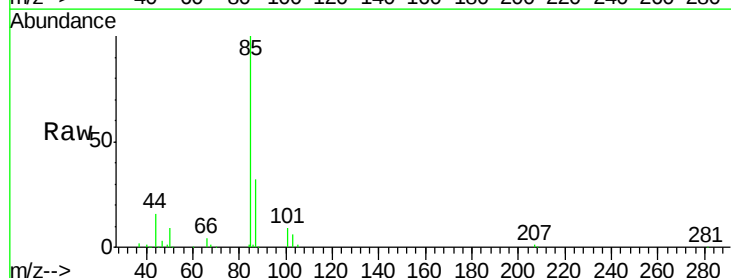
Acq: 04 May 2020 22:59

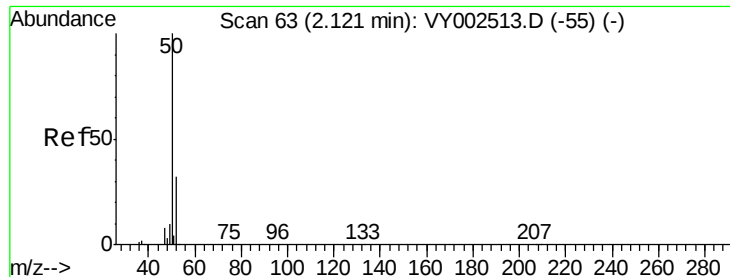
Tgt Ion: 85 Resp: 44774

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4





#3

Chloromethane

Concen: 18.048 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 50 Resp: 55631

Ion Ratio Lower Upper

50 100

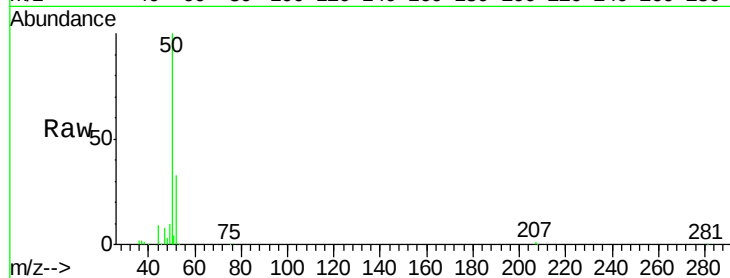
52 33.3 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

40000

30000

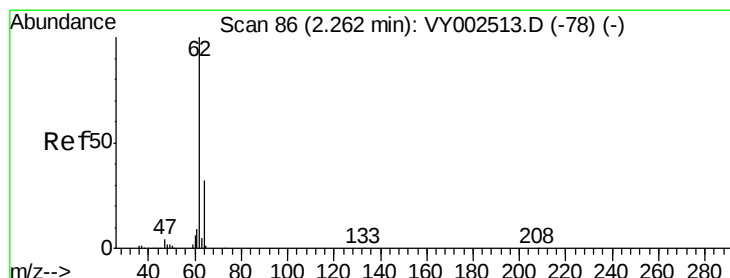
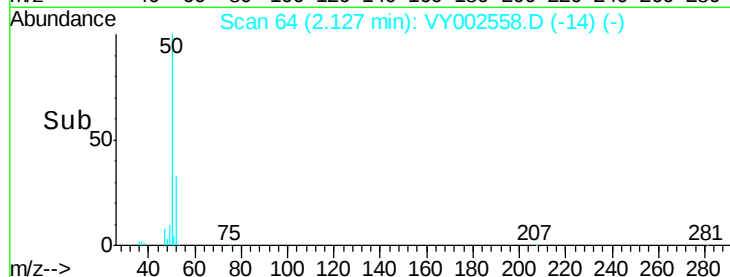
20000

10000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 18.216 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002558.D

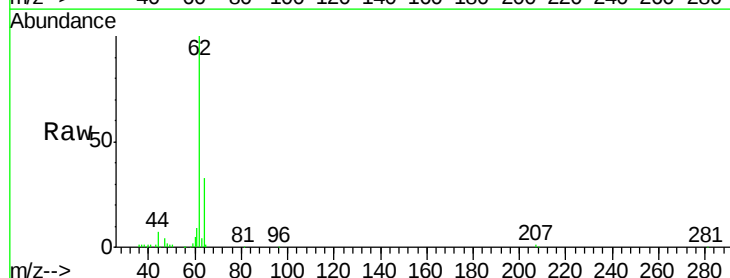
Acq: 04 May 2020 22:59

Tgt Ion: 62 Resp: 64832

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

40000

30000

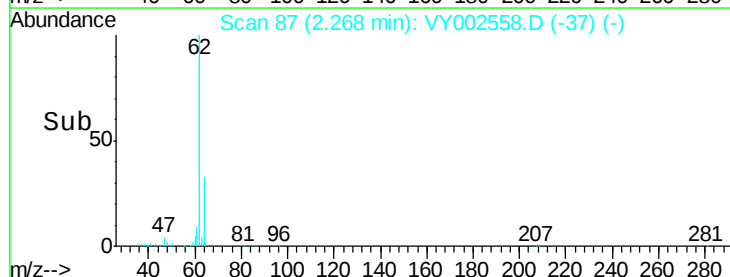
20000

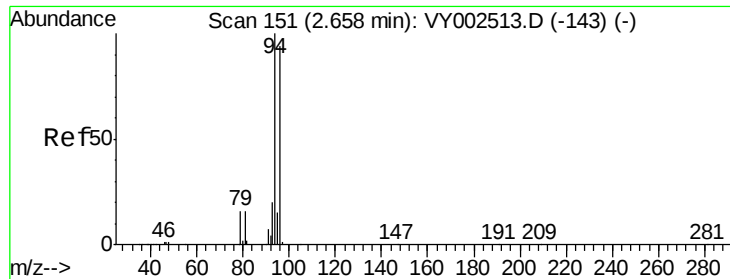
10000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 19.235 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 94 Resp: 47211

Ion Ratio Lower Upper

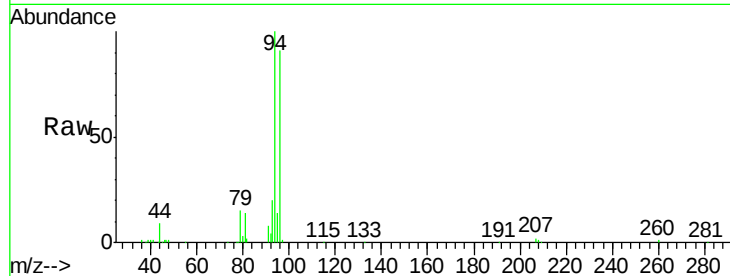
94 100

96 90.7 74.9 112.3

Manual Integrations
APPROVED

MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

25000

20000

15000

10000

5000

0

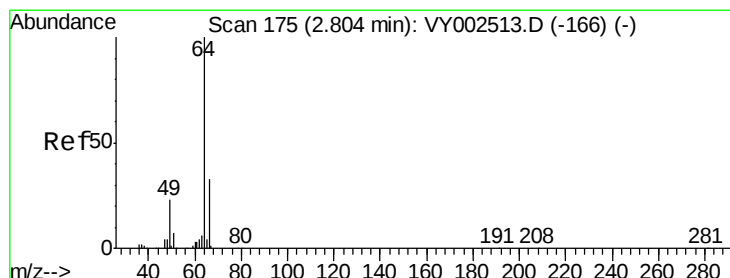
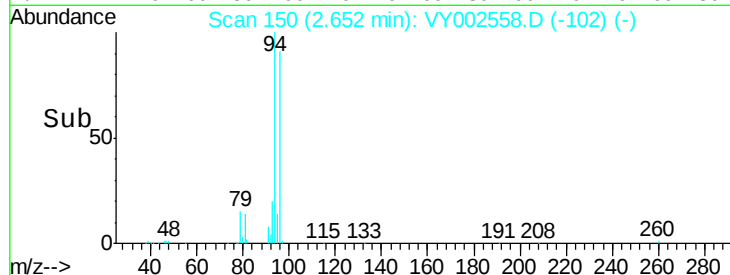
2.65

2.60

2.70

2.80

Time-->



#6

Chloroethane

Concen: 19.369 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002558.D

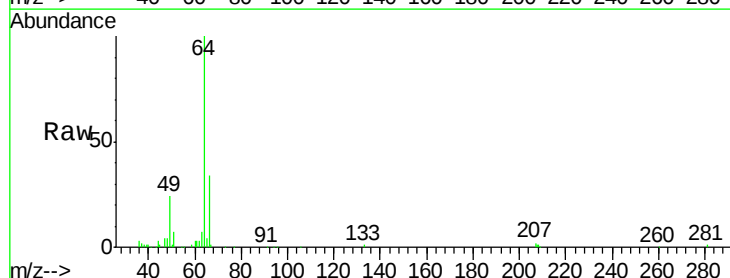
Acq: 04 May 2020 22:59

Tgt Ion: 64 Resp: 41163

Ion Ratio Lower Upper

64 100

66 33.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

20000

15000

10000

5000

0

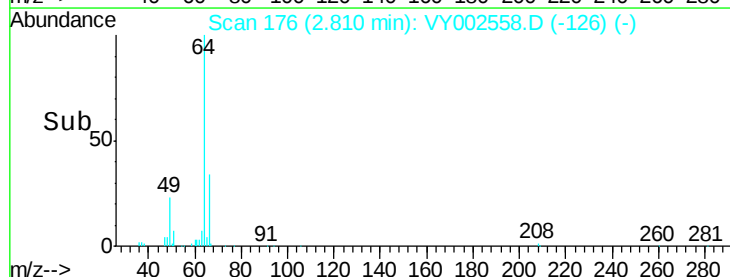
2.81

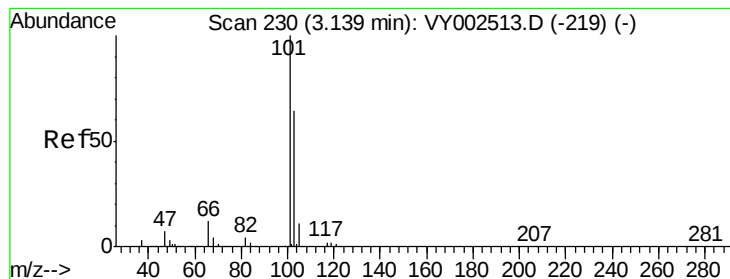
2.70

2.80

2.90

Time-->





#7

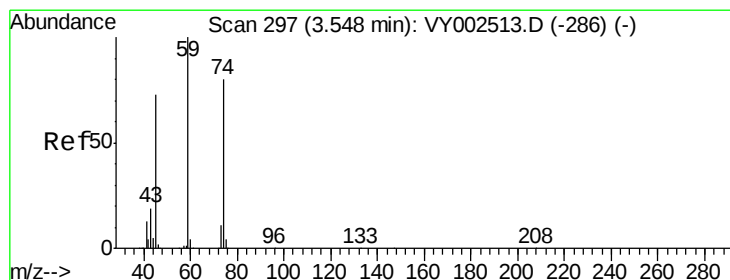
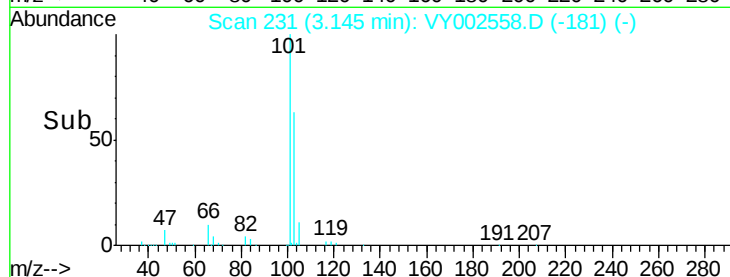
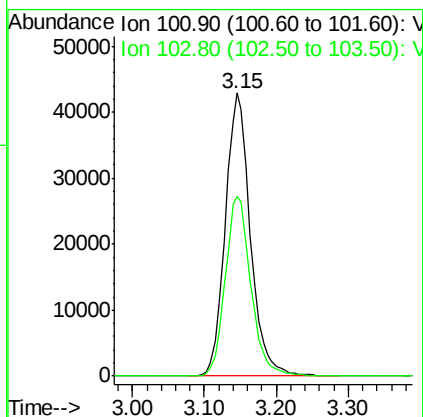
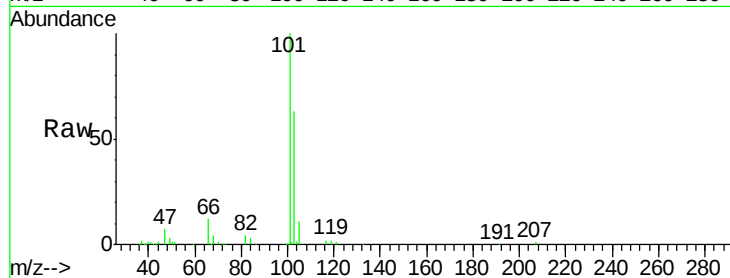
Trichlorofluoromethane
Concen: 18.813 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	103778		
103	63.4	51.4	77.0	

Manual Integrations
APPROVED

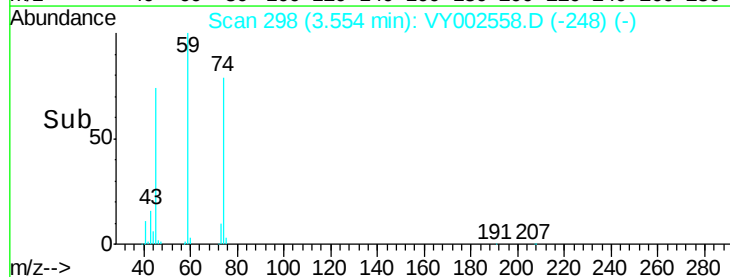
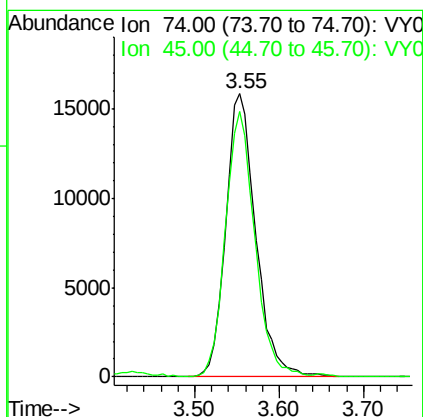
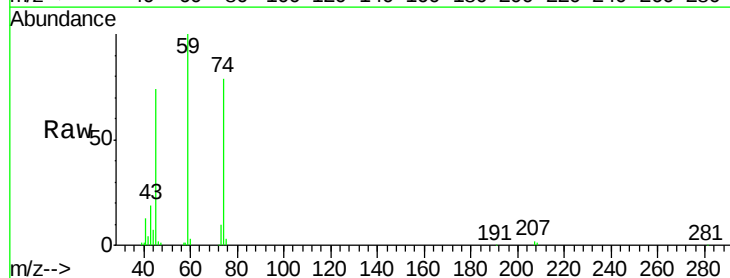
MMDadoda
5/5/2020 11:29:24 AM

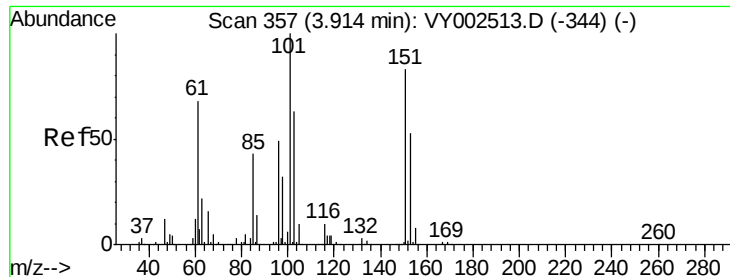


#8

Diethyl Ether
Concen: 20.756 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38475		
45	92.0	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.301 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

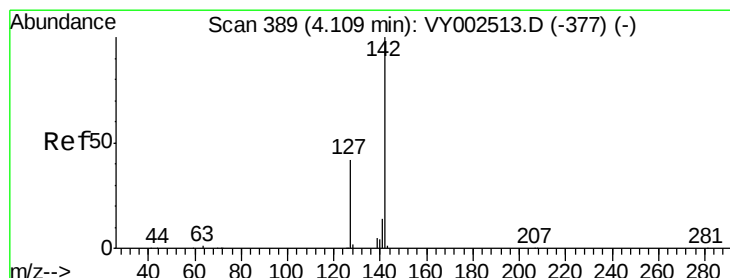
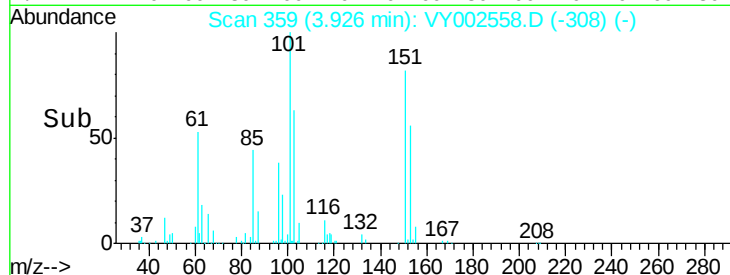
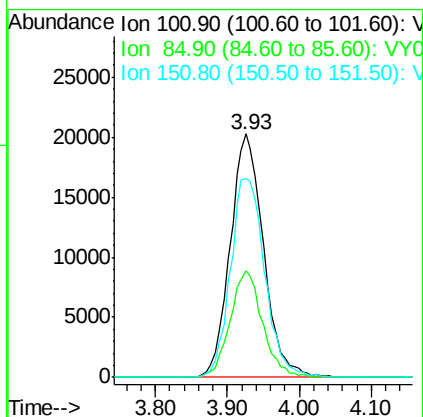
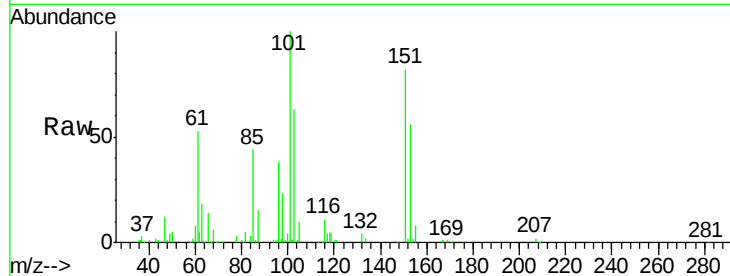
ClientSampleId :

VY0504SBS02

Tot Ion:	101	Resp:	65070
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.2
151	84.4	66.8	100.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#10

Methyl Iodide

Concen: 19.362 ug/l

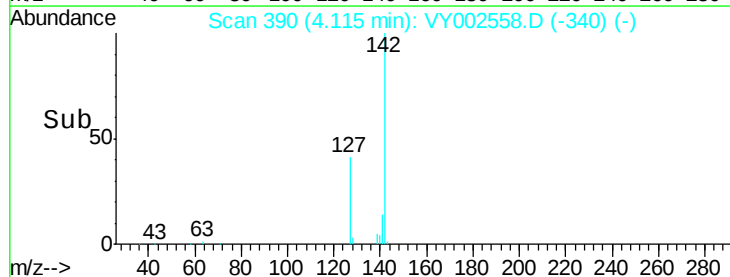
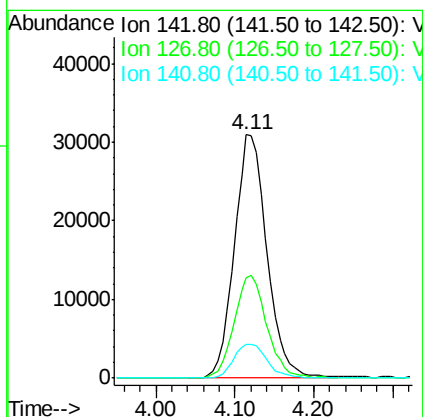
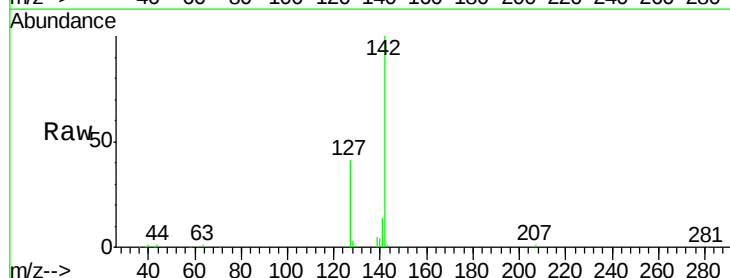
RT: 4.11 min Scan# 390

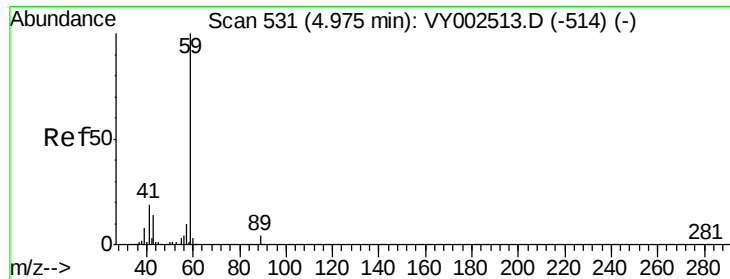
Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	142	Resp:	88929
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.7	50.5
141	14.3	11.4	17.0





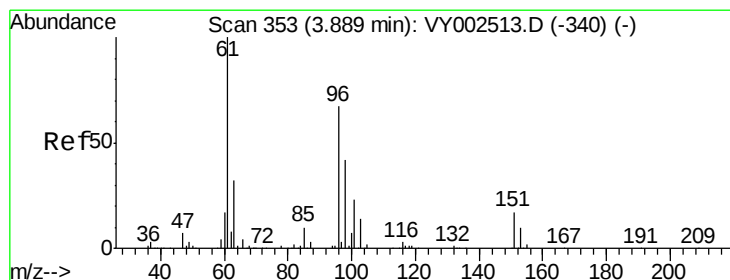
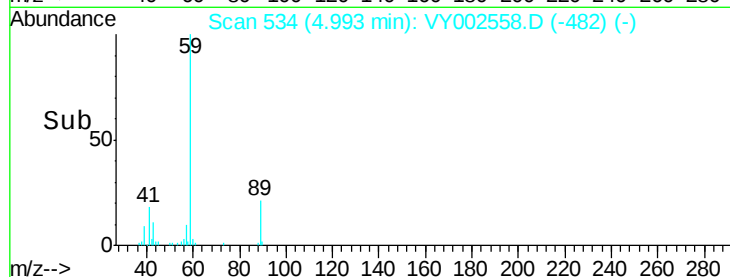
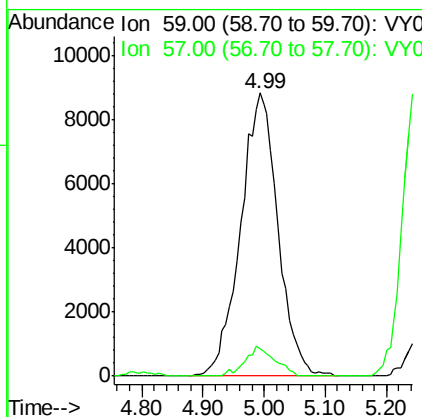
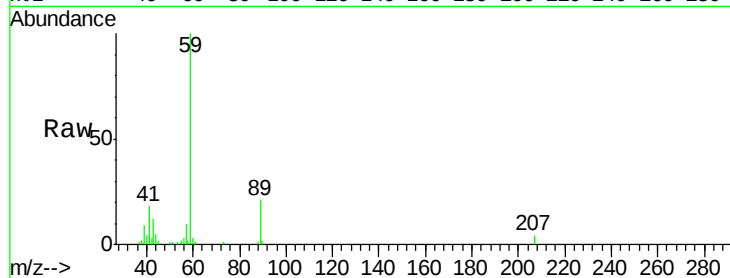
#11
Tert butyl alcohol
Concen: 113.719 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.8	11.6

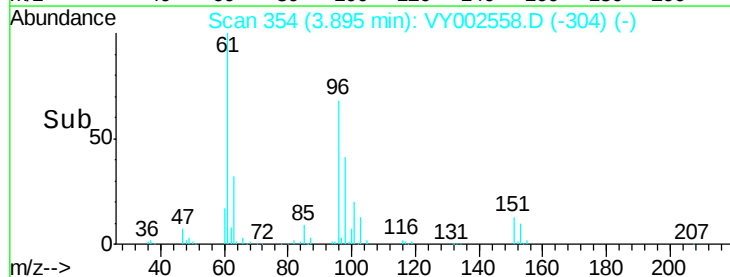
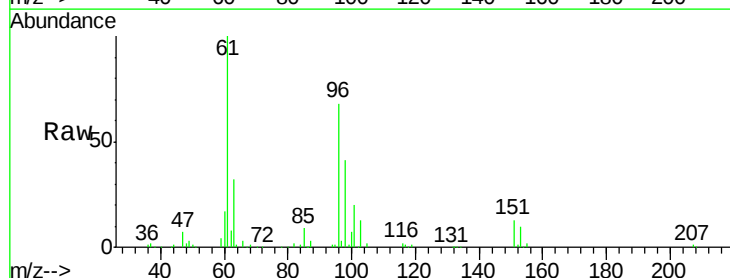
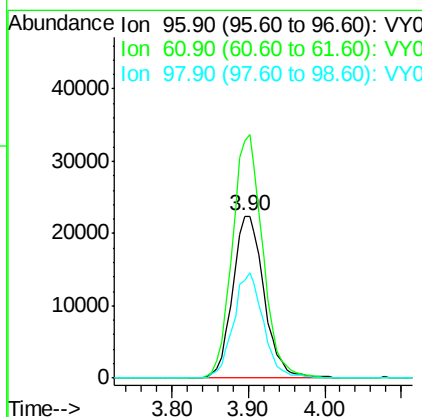
Manual Integrations
APPROVED

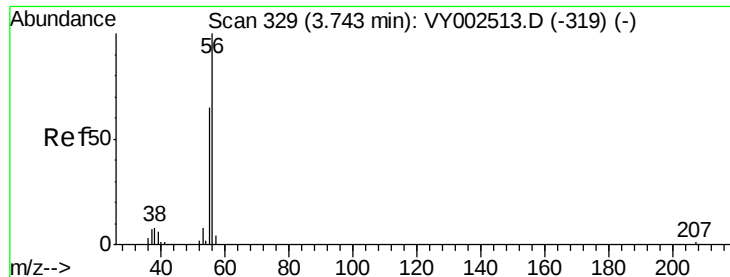
MMDadoda
5/5/2020 11:29:24 AM



#12
1,1-Dichloroethene
Concen: 19.507 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	118.8	178.2
98	60.1	49.6	74.4





#13

Acrolein

Concen: 82.639 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 56 Resp: 18807

Ion Ratio Lower Upper

56 100

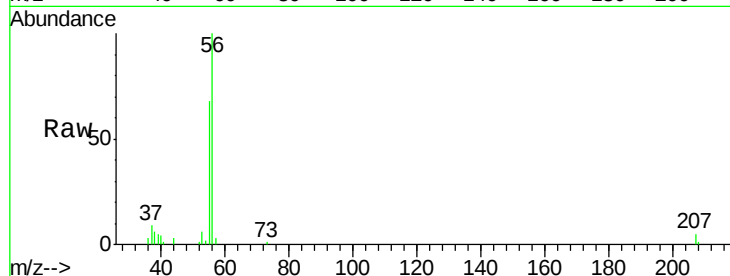
55 67.3 53.8 80.6

Manual Integrations

APPROVED

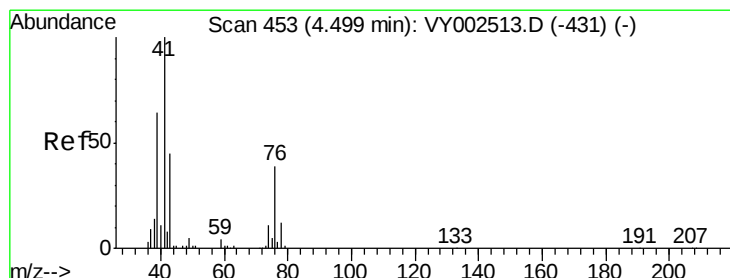
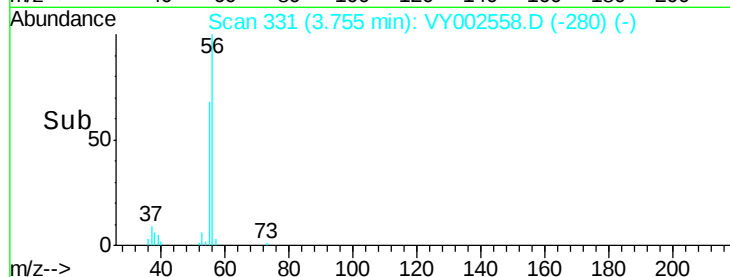
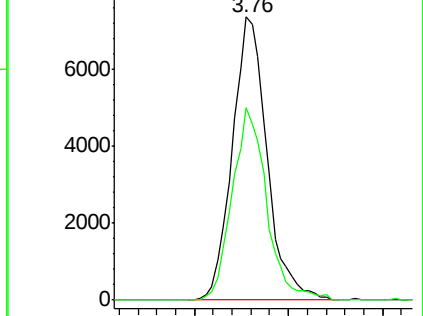
MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.543 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

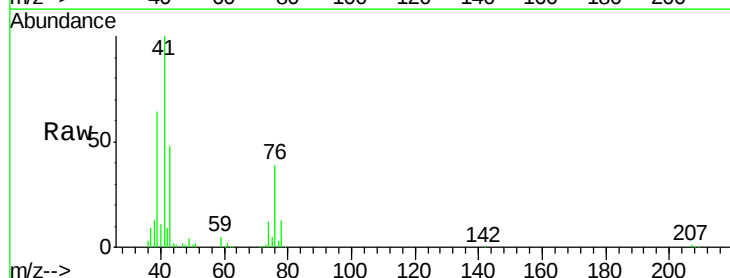
Tgt Ion: 41 Resp: 98029

Ion Ratio Lower Upper

41 100

39 63.2 51.8 77.6

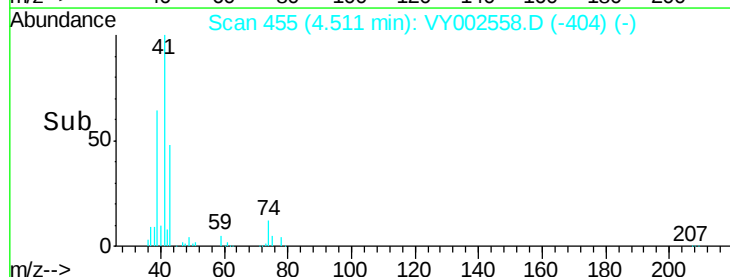
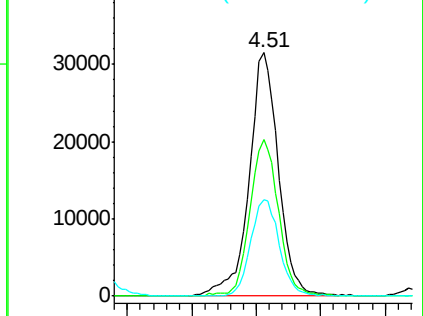
76 38.7 31.7 47.5

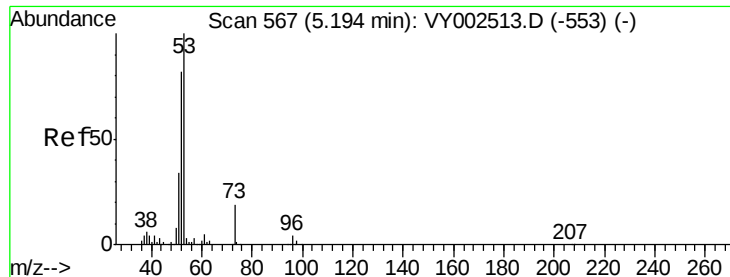


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 105.153 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

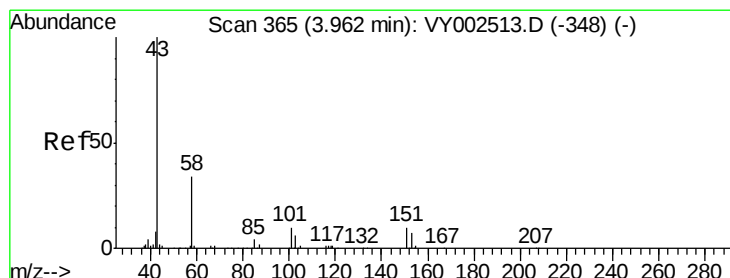
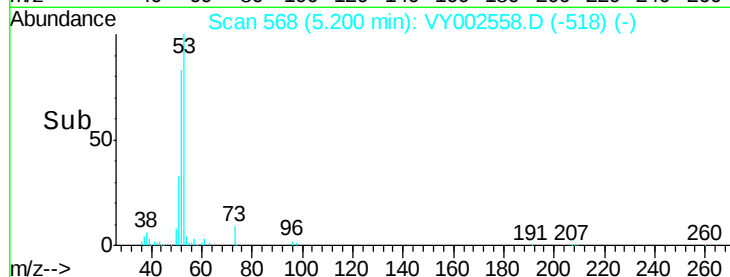
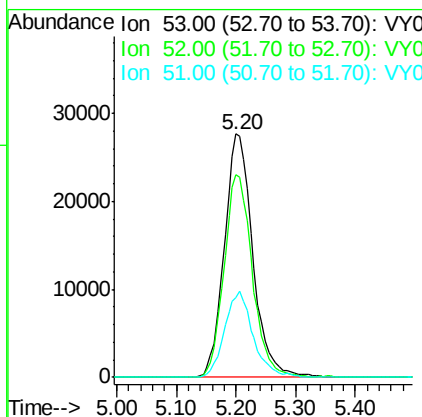
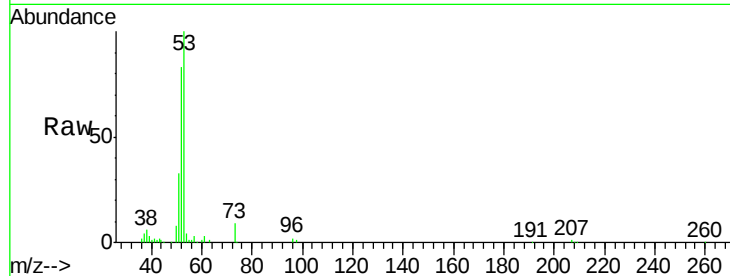
ClientSampleId :

VY0504SBS02

Tot Ion:	53	Resp:	91921
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.4	98.0
51	35.1	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#16

Acetone

Concen: 99.252 ug/l

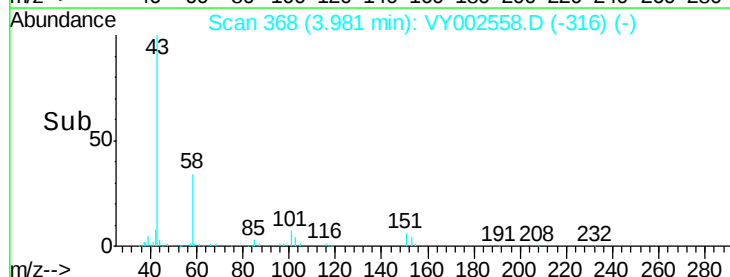
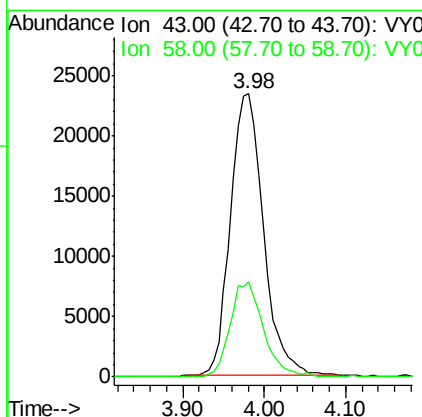
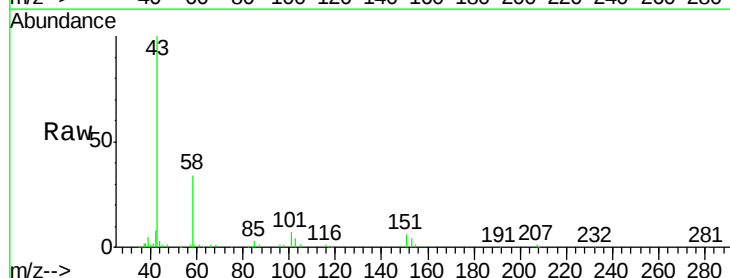
RT: 3.98 min Scan# 368

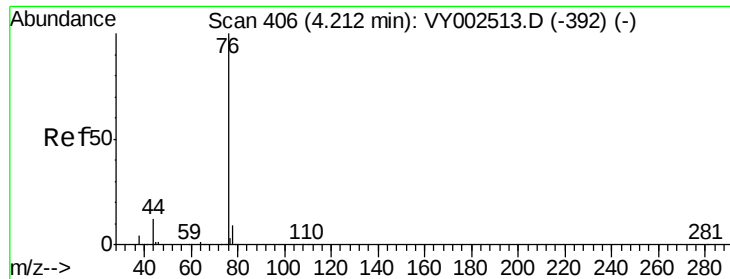
Delta R.T. 0.02 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	43	Resp:	65524
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.9	40.3





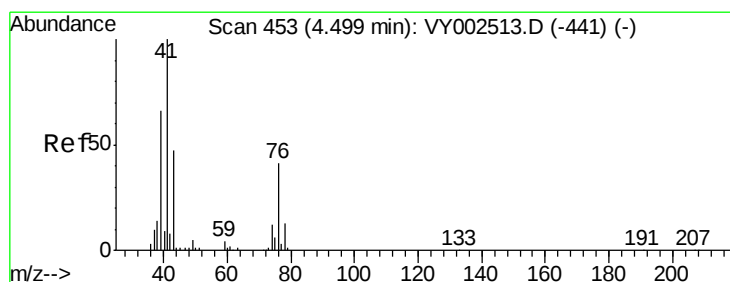
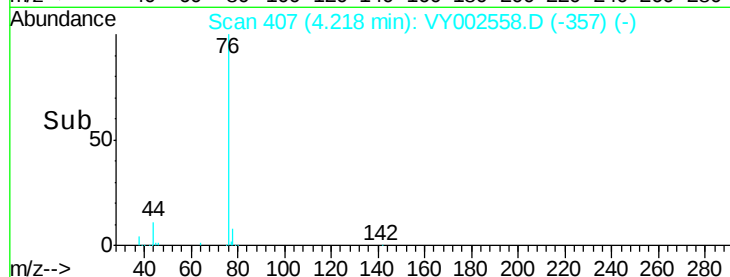
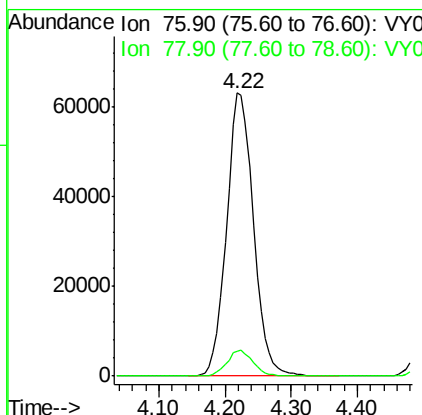
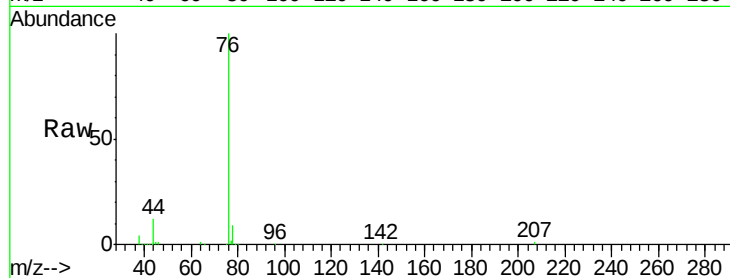
#17
Carbon Disulfide
Concen: 18.053 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

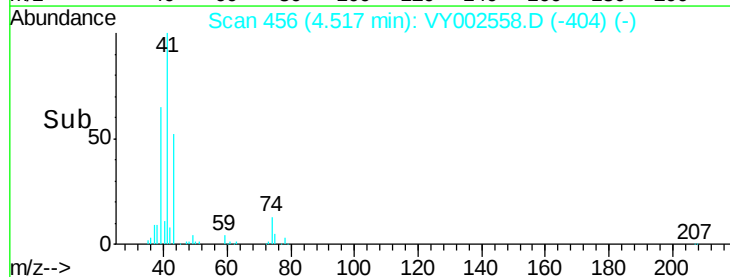
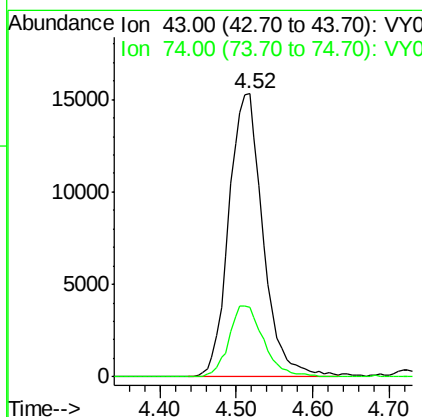
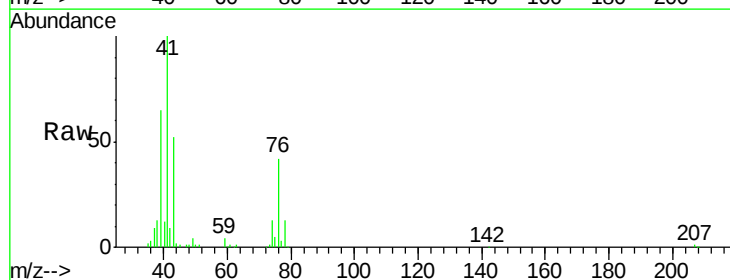
Manual Integrations
APPROVED

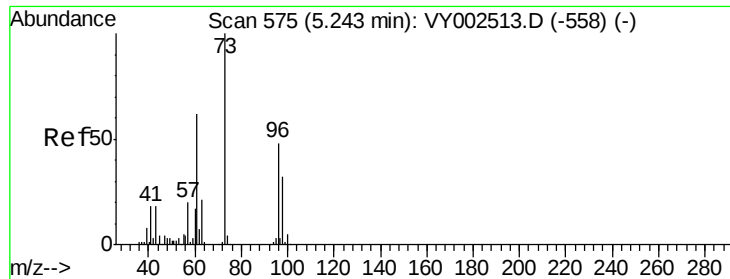
MMDadoda
5/5/2020 11:29:24 AM



#18
Methyl Acetate
Concen: 21.479 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.02 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	21.2	31.8





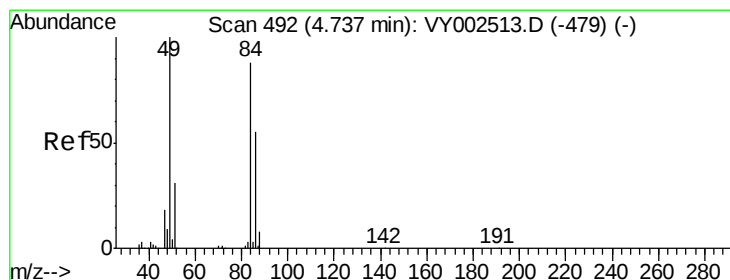
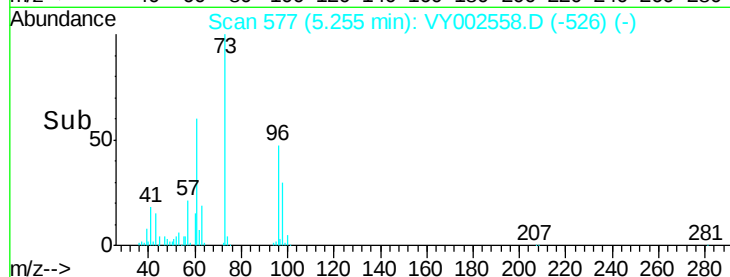
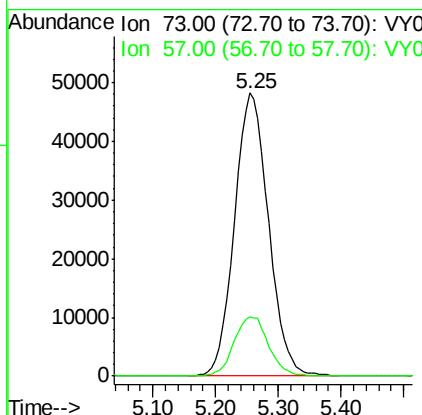
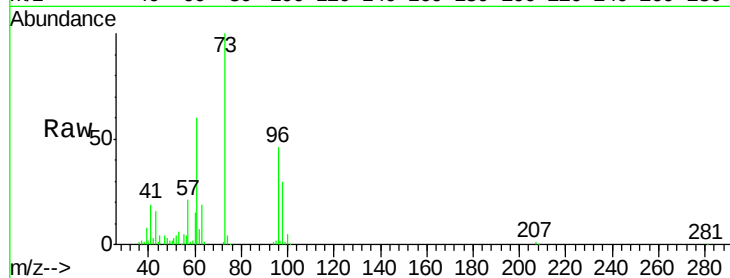
#19
Methvl tert-butvl Ether
Concen: 21.176 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.3	24.5

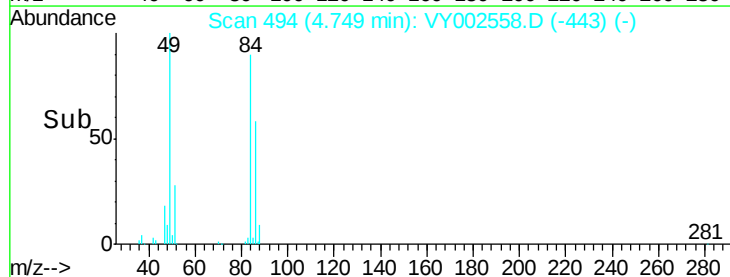
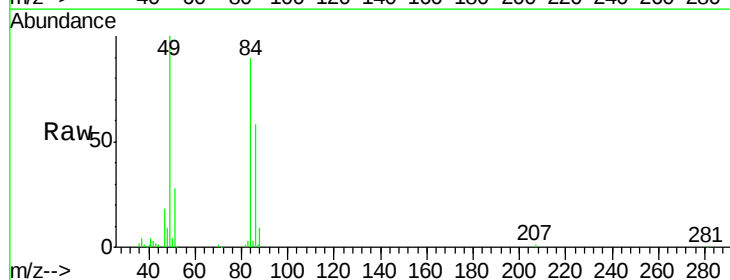
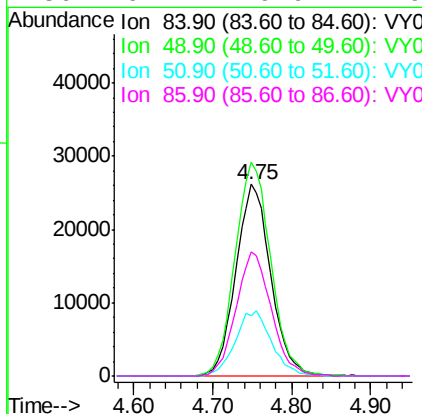
Manual Integrations
APPROVED

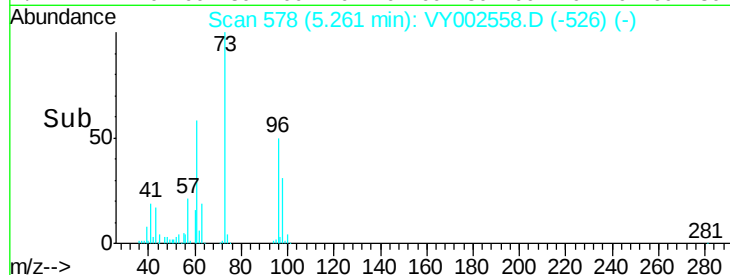
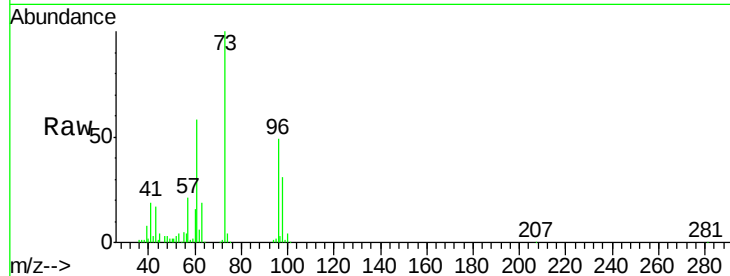
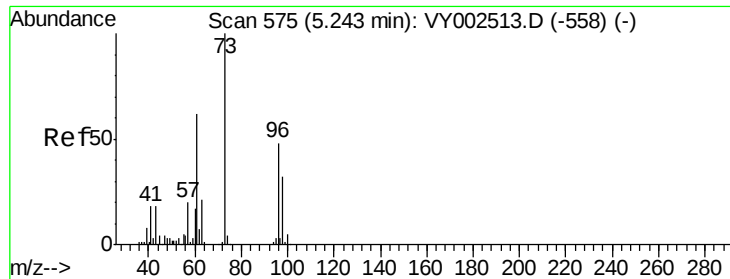
MMDadoda
5/5/2020 11:29:24 AM



#20
Methylene Chloride
Concen: 21.837 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	90.5	135.7
51	31.6	28.3	42.5
86	64.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.405 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.02 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tot Ion:	96	Resp:	73043
Ion	Ratio	Lower	Upper
96	100		
61	117.7	102.0	153.0
98	63.3	53.0	79.4

Instrument :

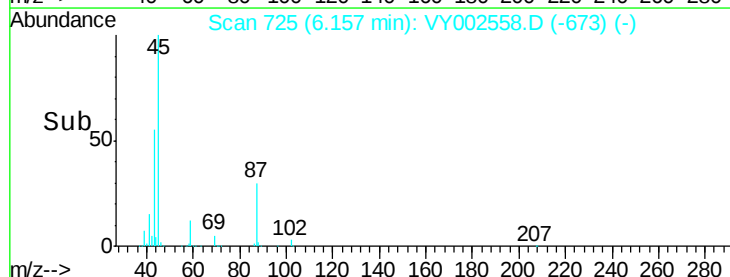
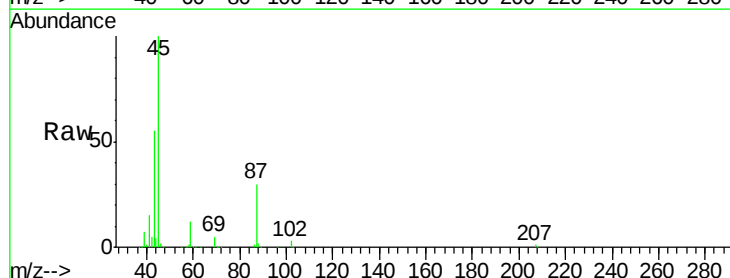
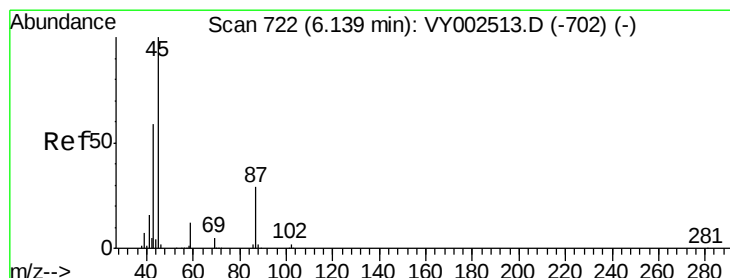
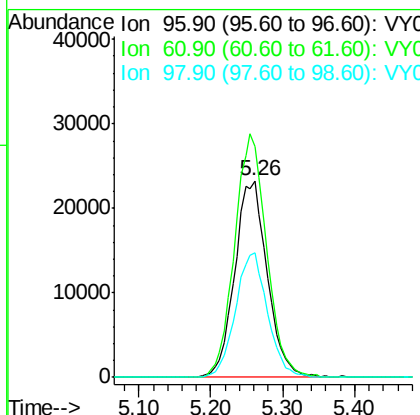
MSVOA_Y

ClientSampleId :

VY0504SBS02

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#22

Diisopropyl ether

Concen: 21.989 ug/l

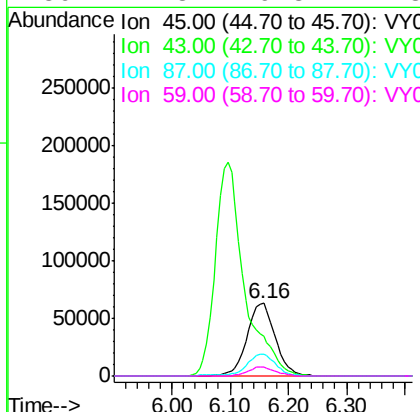
RT: 6.16 min Scan# 725

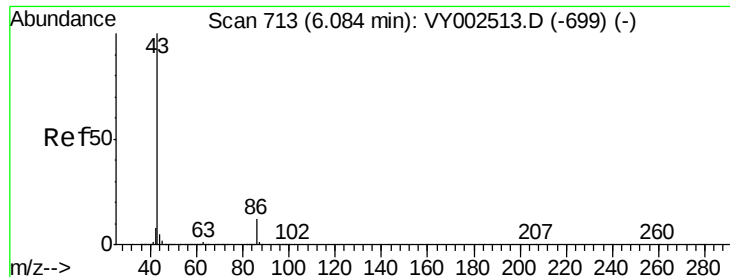
Delta R.T. 0.02 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	45	Resp:	212309
Ion	Ratio	Lower	Upper
45	100		
43	54.6	47.4	71.0
87	29.7	24.0	36.0
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 105.503 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 43 Resp: 640630

Ion Ratio Lower Upper

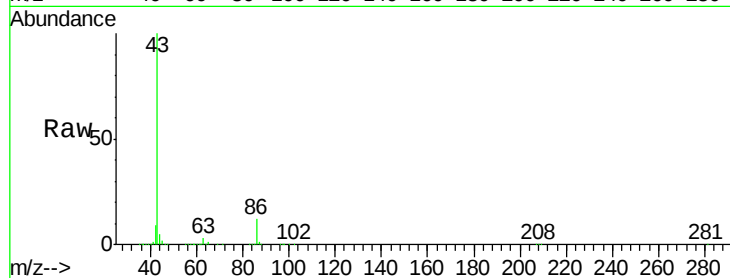
43 100

86 12.3 9.8 14.6

Manual Integrations
APPROVED

MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

200000

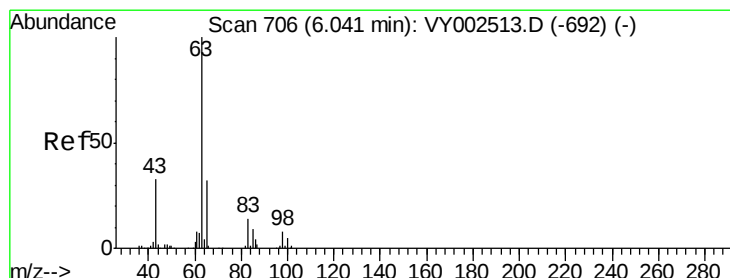
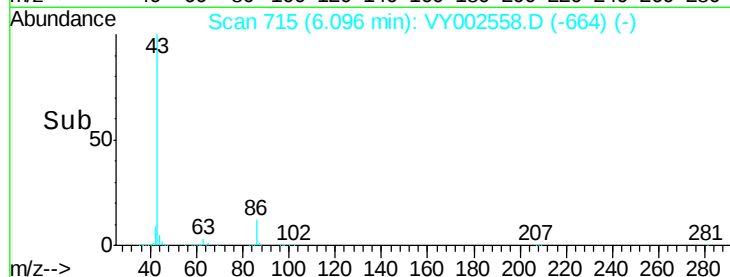
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.086 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

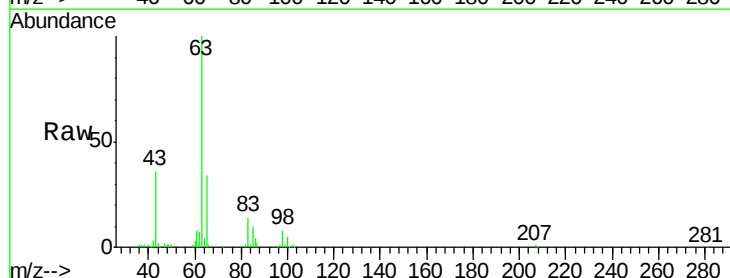
Tgt Ion: 63 Resp: 120443

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 5.1 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

6.05

50000

40000

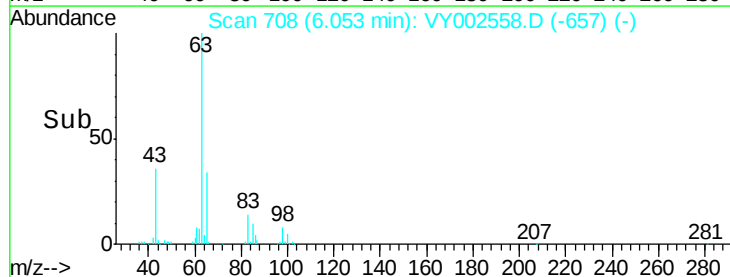
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20





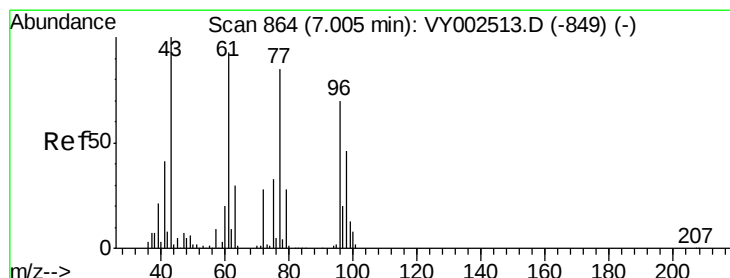
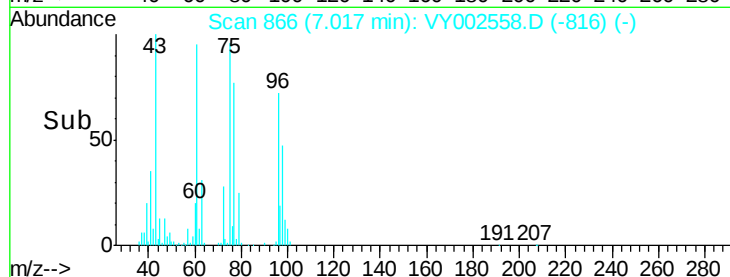
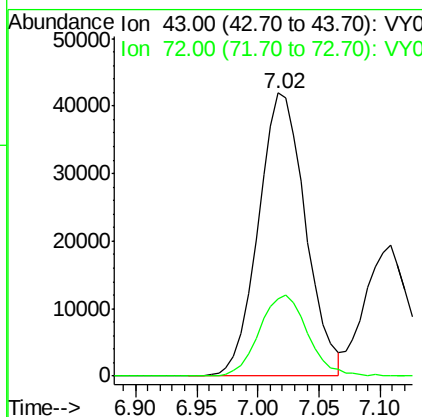
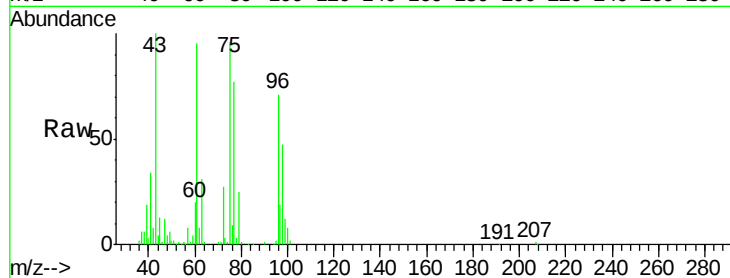
#25
2-Butanone
Concen: 104.039 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion: 43 Resp: 112432
Ion Ratio Lower Upper
43 100
72 27.4 24.1 36.1

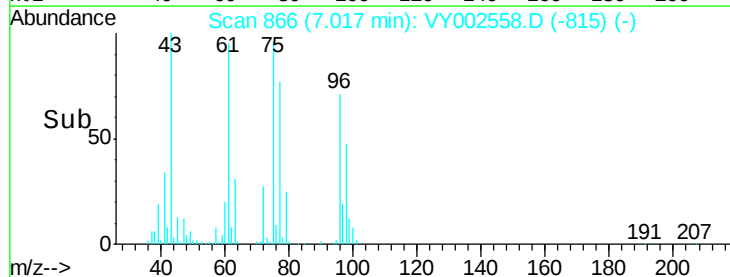
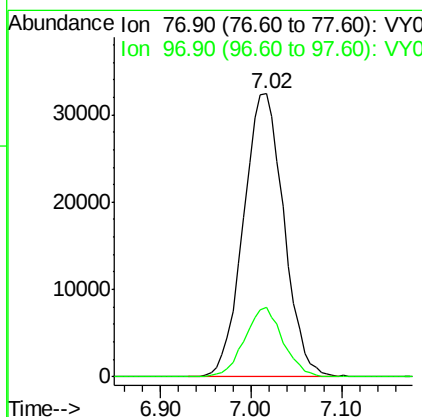
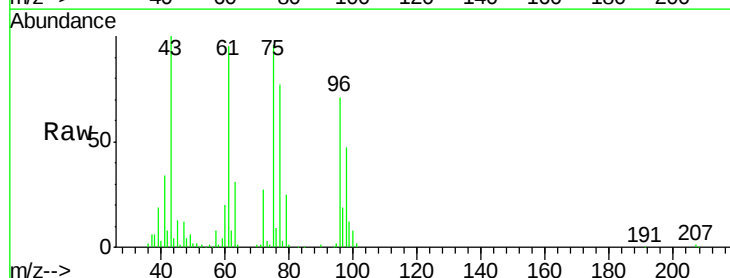
Manual Integrations
APPROVED

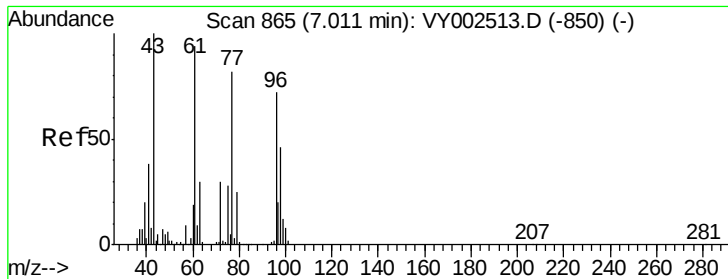
MMDadoda
5/5/2020 11:29:24 AM



#26
2,2-Dichloropropane
Concen: 18.386 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 77 Resp: 99828
Ion Ratio Lower Upper
77 100
97 23.3 11.9 35.5





#27

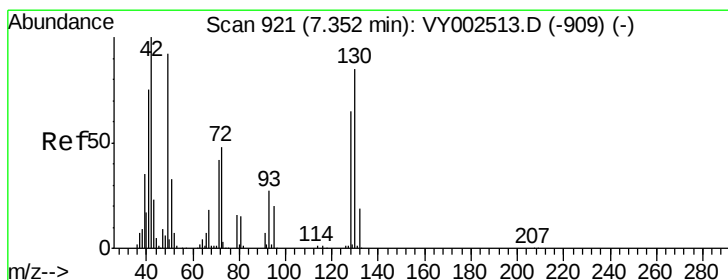
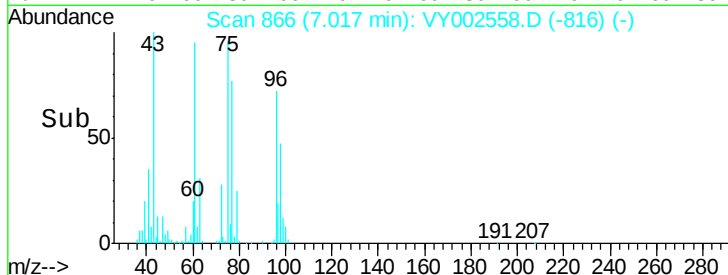
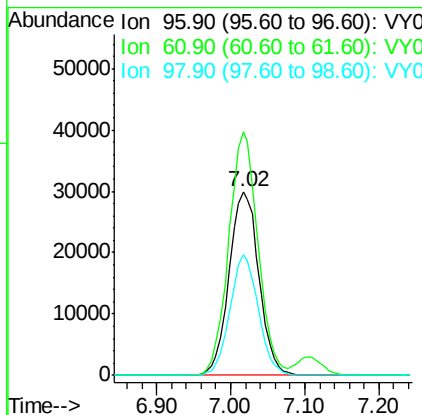
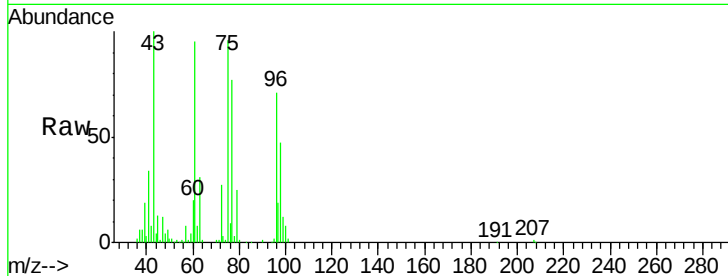
cis-1,2-Dichloroethene
 Concen: 21.157 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	266.6
98	62.5	0.0	129.2

Manual Integrations
 APPROVED

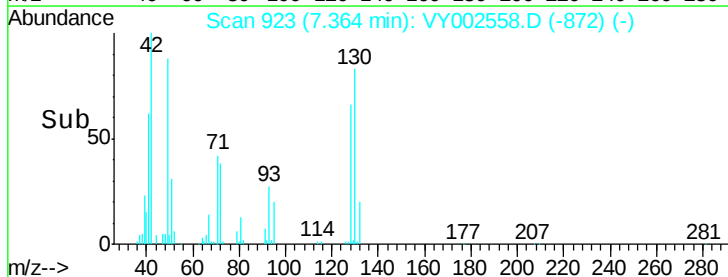
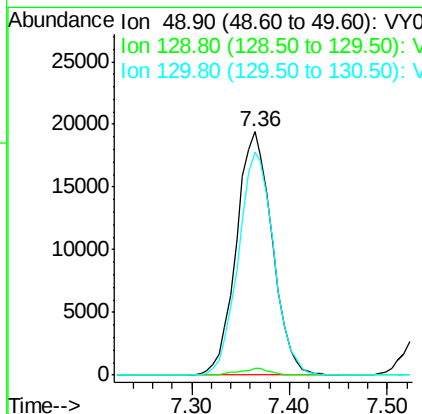
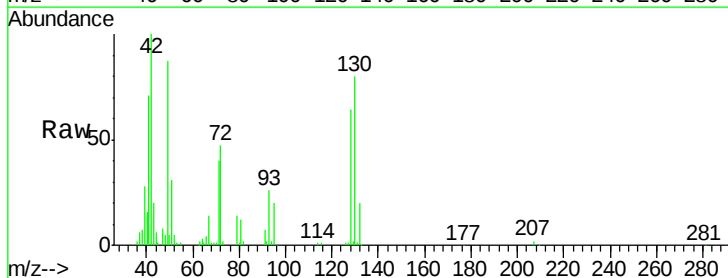
MMDadoda
 5/5/2020 11:29:24 AM

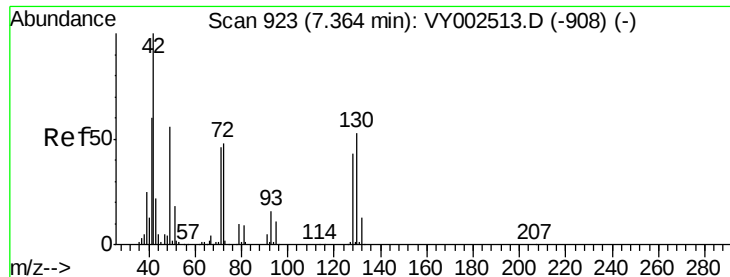


#28

Bromochloromethane
 Concen: 21.072 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.2	72.5	108.7





#29

Tetrahydrofuran

Concen: 107.348 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

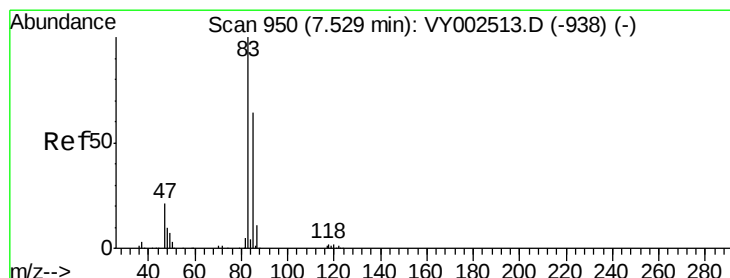
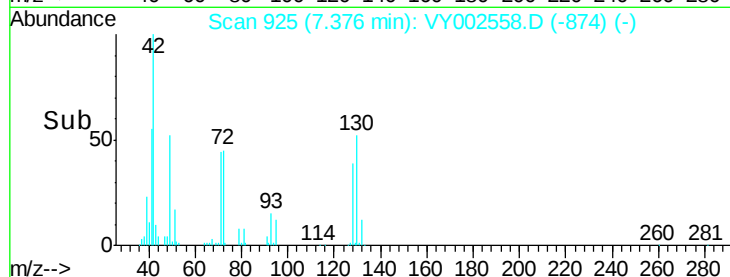
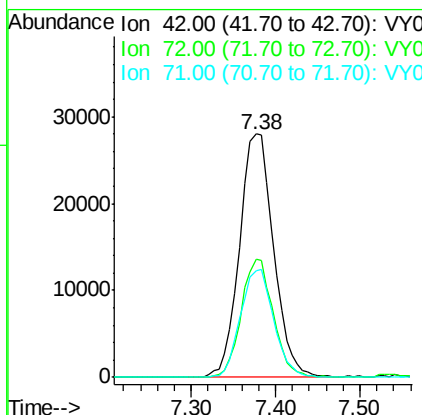
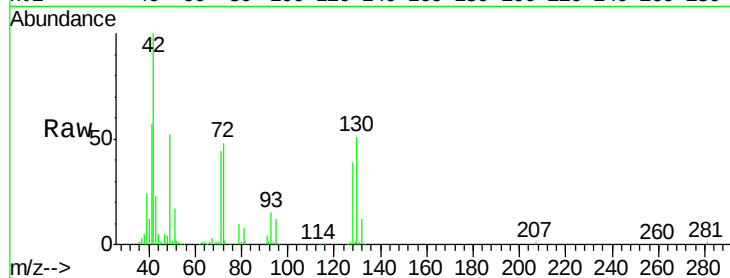
ClientSampleId :

VY0504SBS02

Tot Ion:	42	Resp:	76753
Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.4	56.2
71	43.1	35.0	52.4

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#30

Chloroform

Concen: 21.112 ug/l

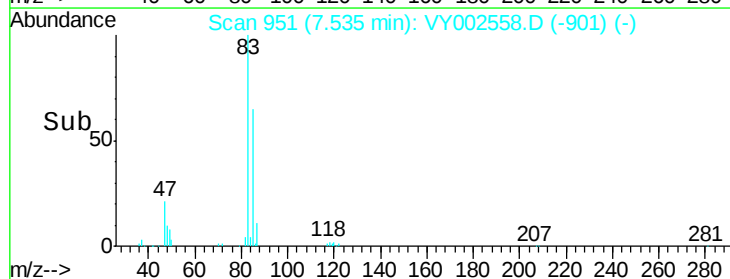
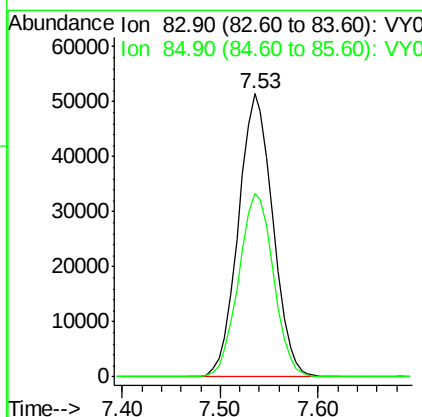
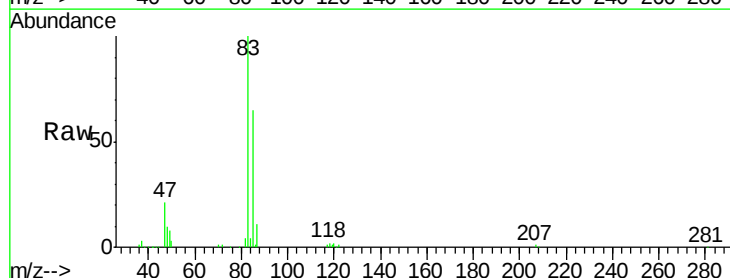
RT: 7.53 min Scan# 951

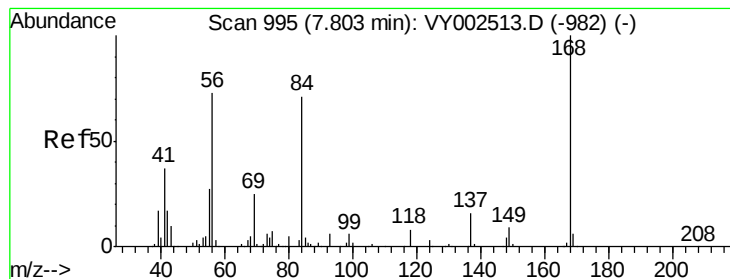
Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	83	Resp:	125389
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





#31

Cyclohexane

Concen: 18.824 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 56 Resp: 108233

Ion Ratio Lower Upper

56 100

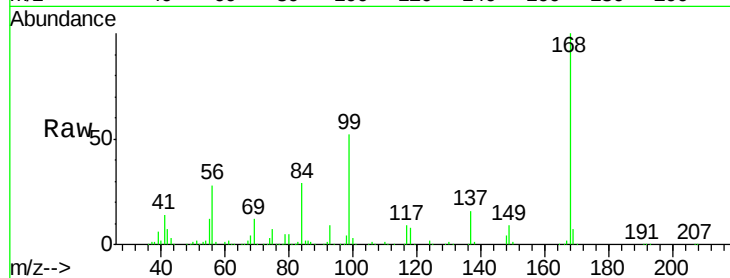
69 41.7 27.6 41.4#

84 98.9 77.7 116.5

Manual Integrations
APPROVED

MMDadoda

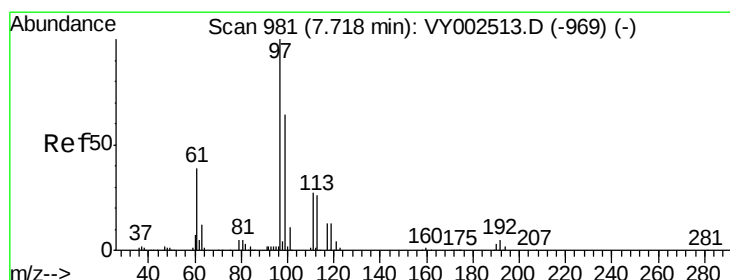
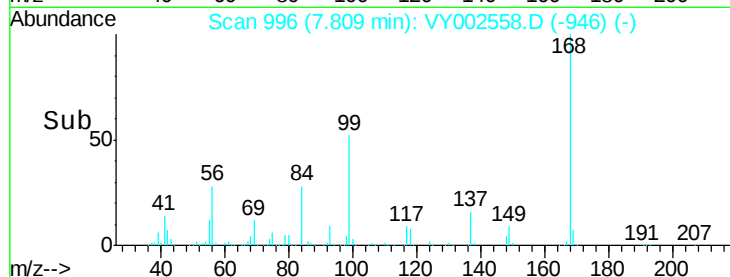
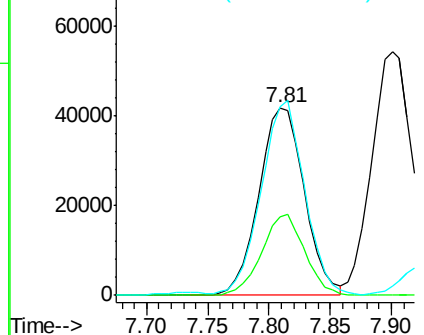
5/5/2020 11:29:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

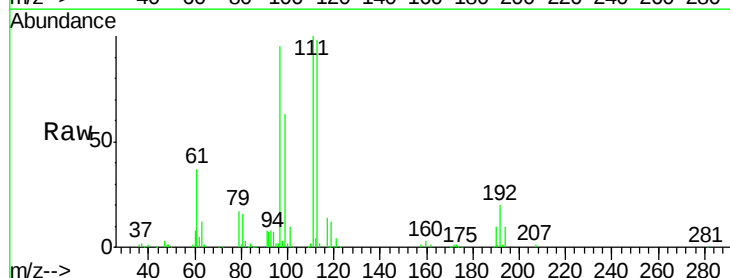
Tgt Ion: 97 Resp: 110894

Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

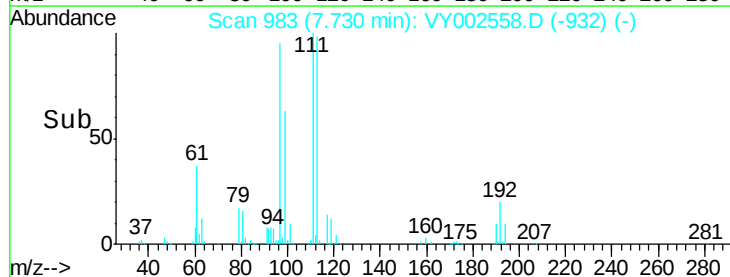
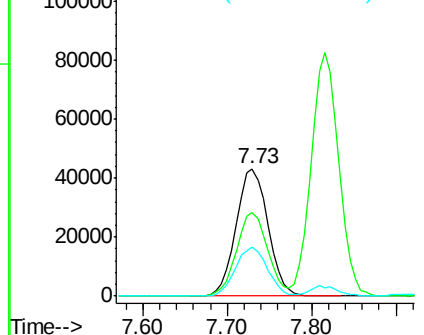
61 38.3 31.0 46.6

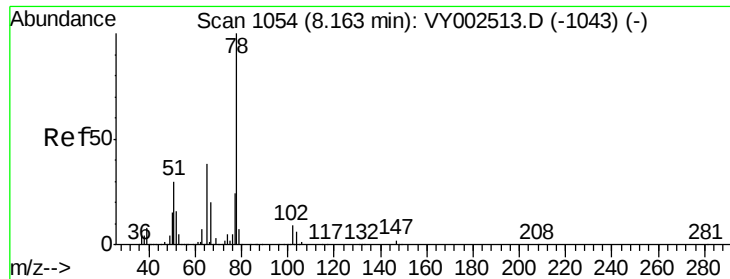


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





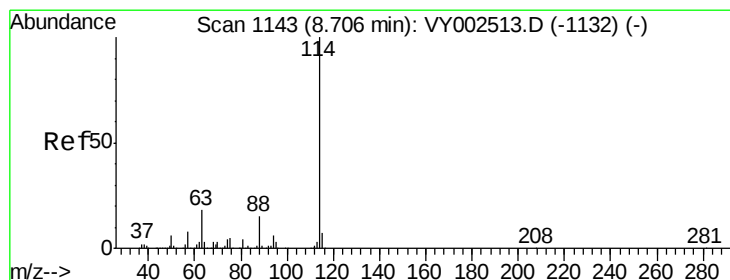
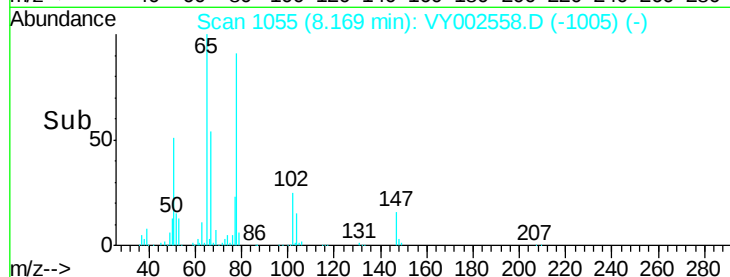
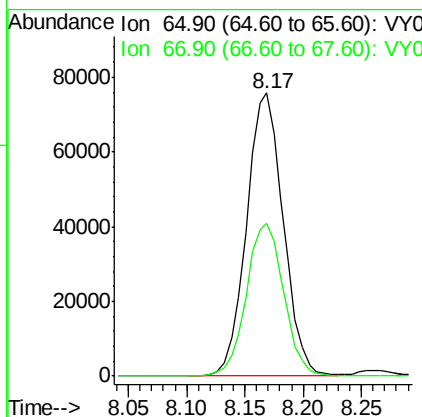
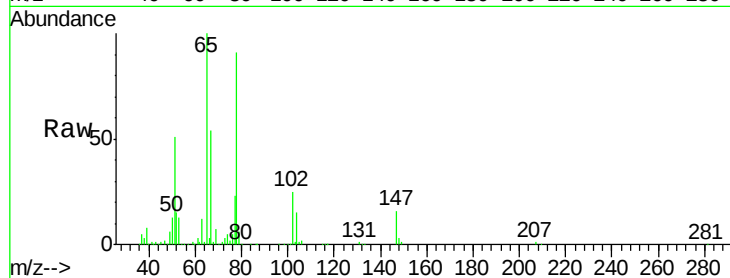
#33
 1,2-Dichloroethane-d4
 Concen: 52.043 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	107.2	

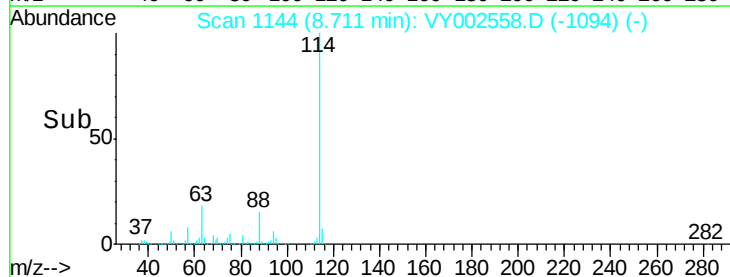
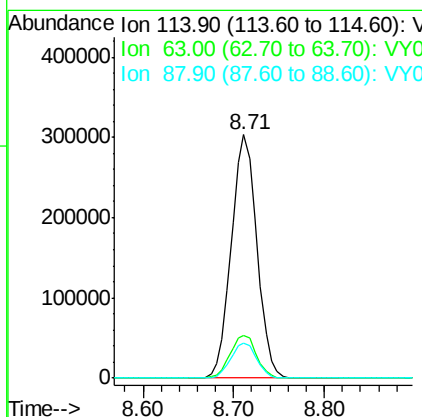
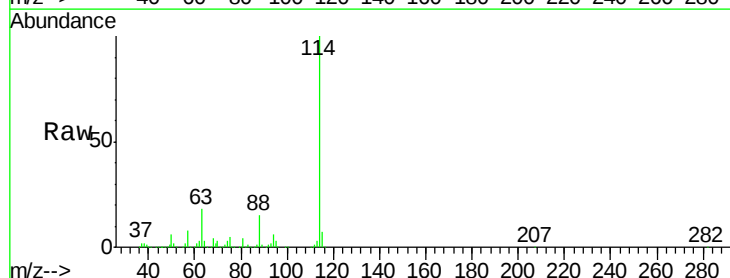
Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.4	
88	14.6	0.0	29.6	





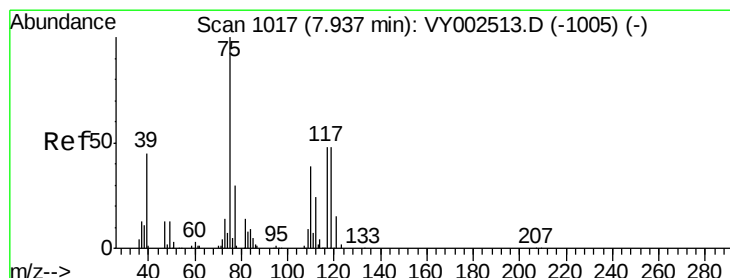
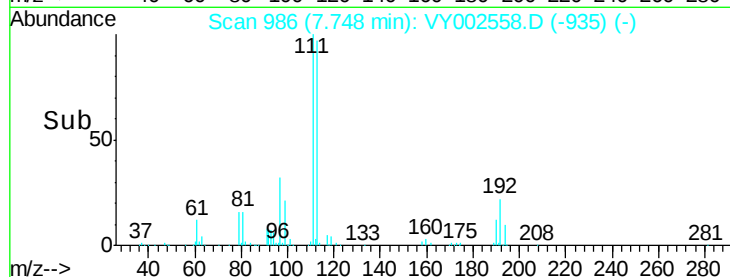
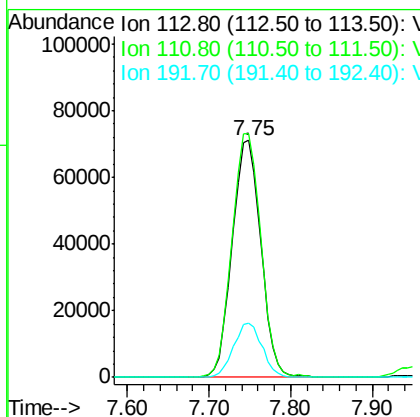
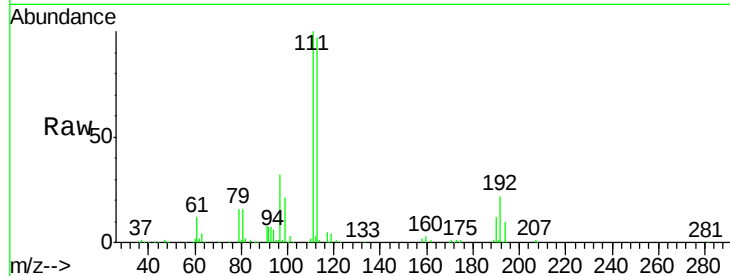
#35
Dibromofluoromethane
Concen: 50.744 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	81.8	122.6	
192	22.8	18.2	27.4	

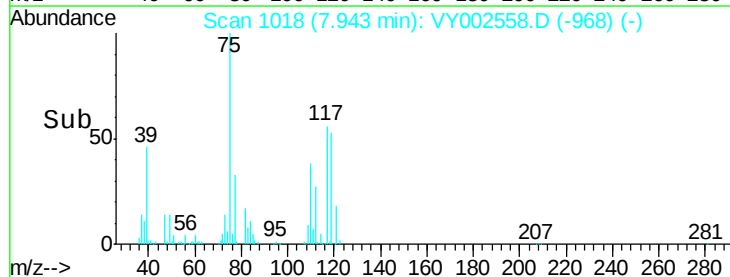
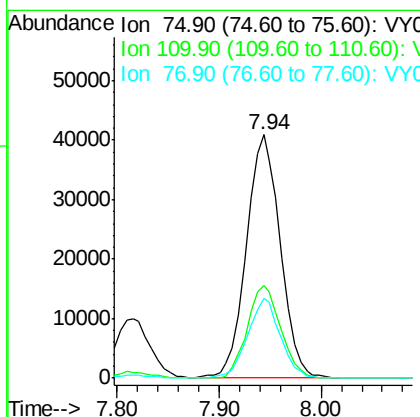
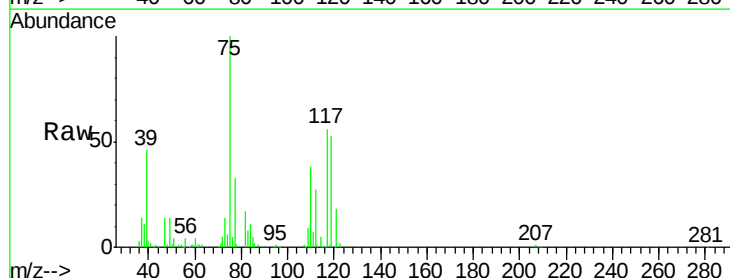
Manual Integrations
APPROVED

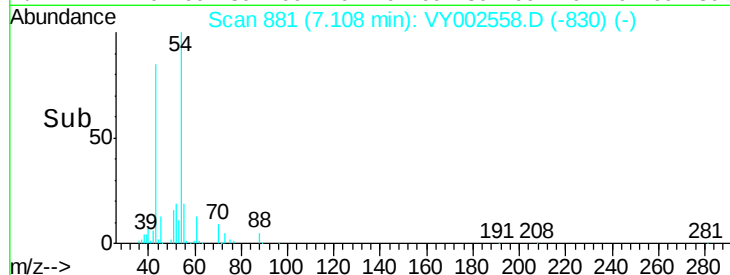
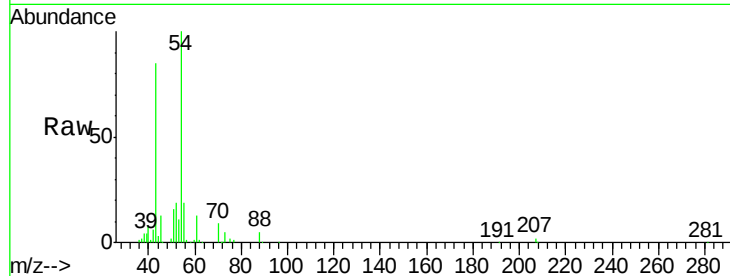
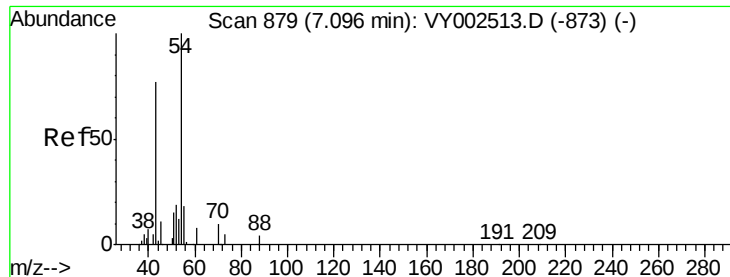
MMDadoda
5/5/2020 11:29:24 AM



#36
1,1-Dichloropropene
Concen: 18.960 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	19.1	57.3	
77	31.8	24.6	37.0	





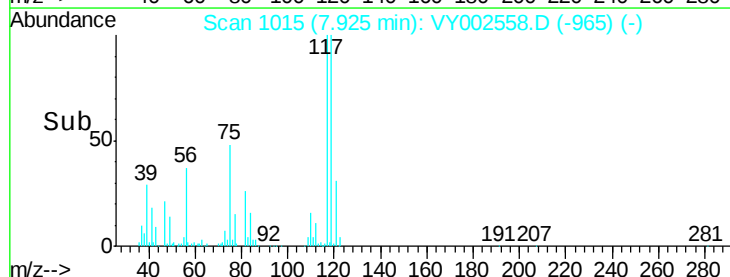
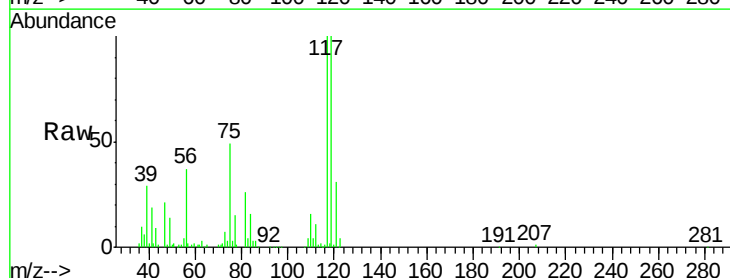
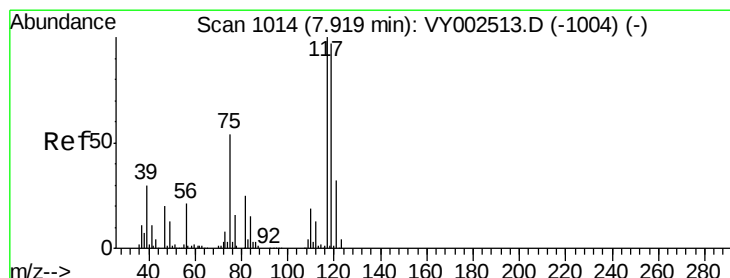
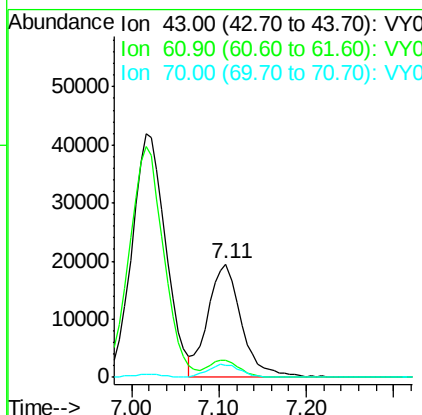
#37
Ethyl Acetate
Concen: 20.036 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.6	17.4
70	11.6	9.0	13.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

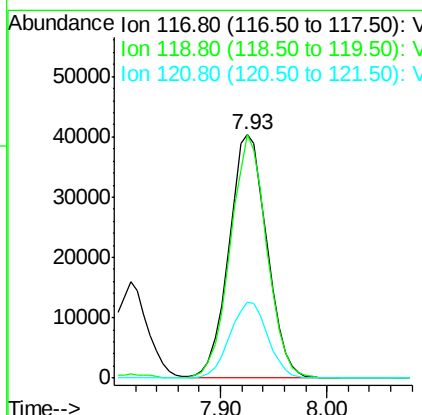
Manual Integrations
APPROVED

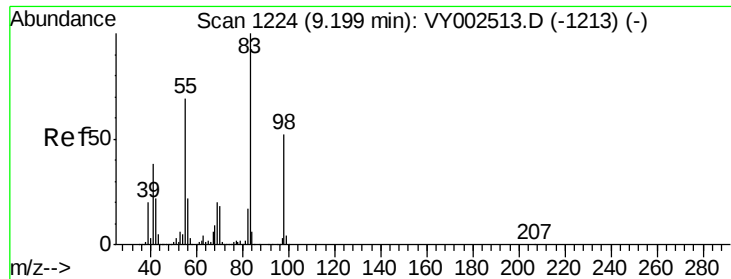
MMDadoda
5/5/2020 11:29:24 AM



#38
Carbon Tetrachloride
Concen: 18.568 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.1	115.7
121	31.2	25.2	37.8





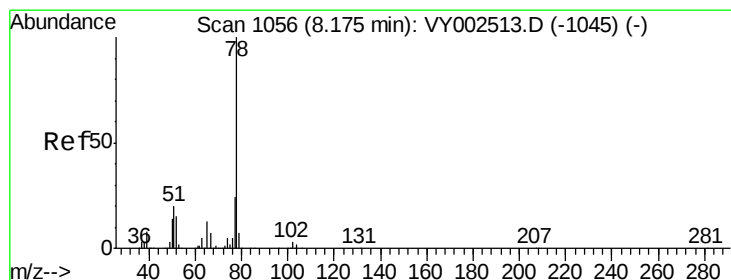
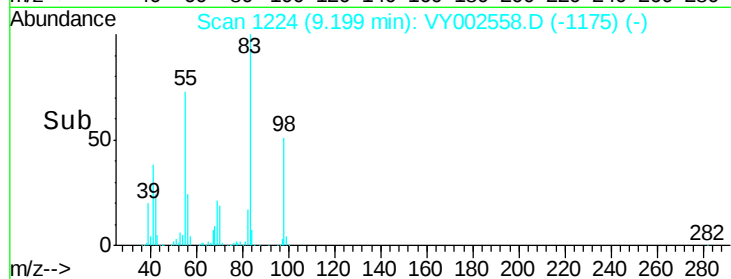
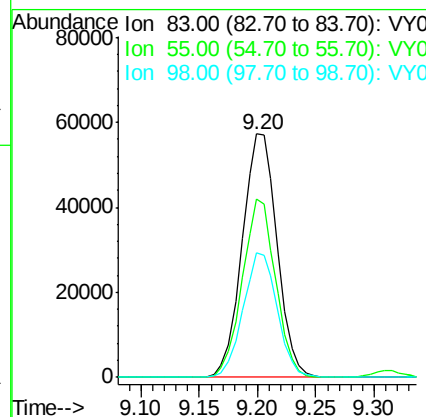
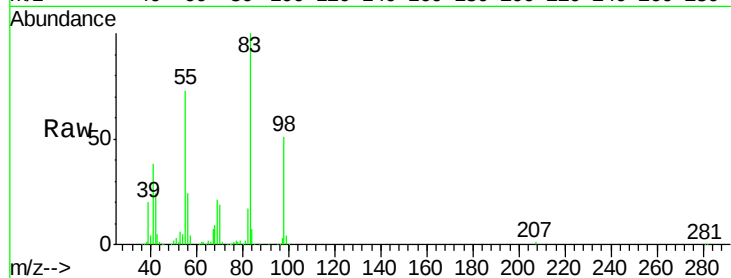
#39
Methvlcvclohexane
Concen: 18.165 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	119412		
55	73.1		55.4	83.0
98	51.4		41.3	61.9

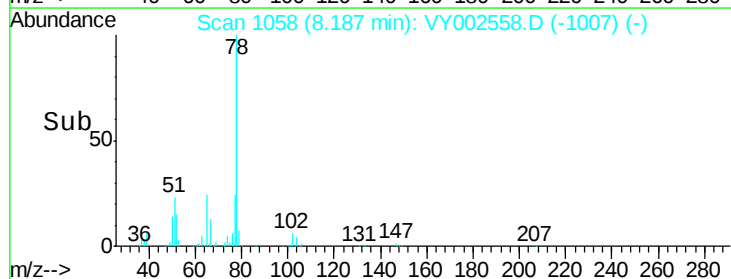
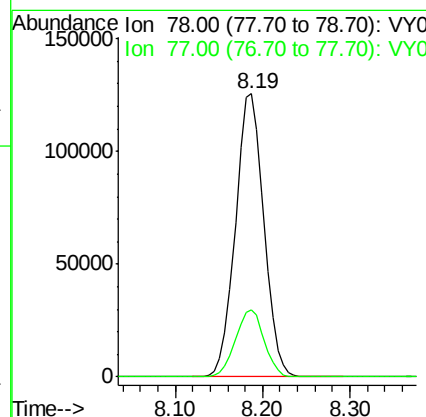
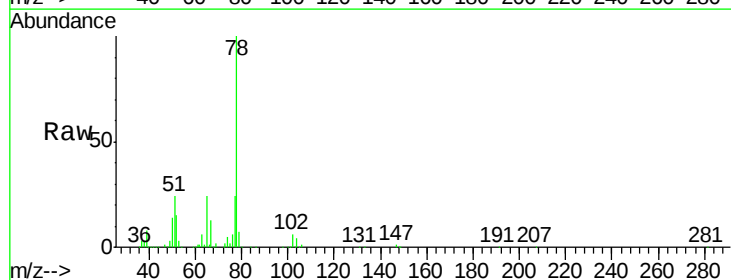
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#40
Benzene
Concen: 19.739 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	283750		
77	23.6		19.2	28.8





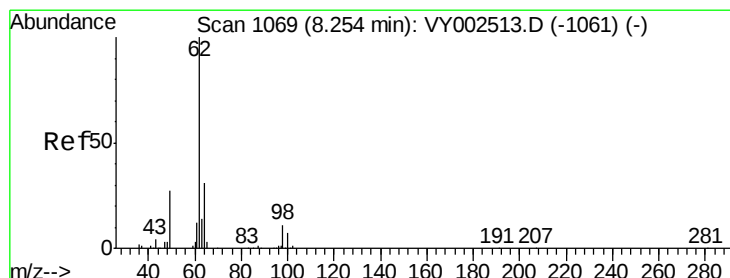
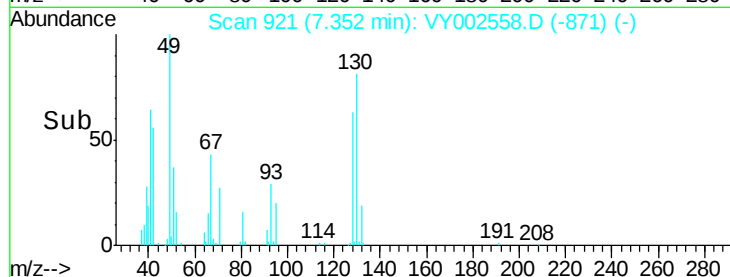
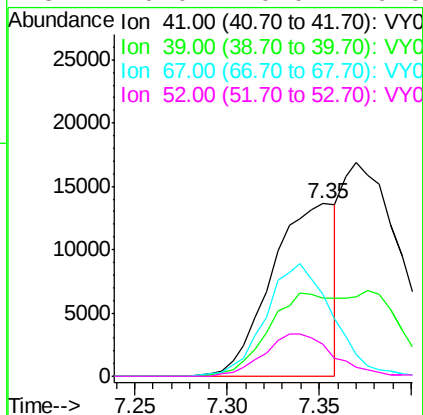
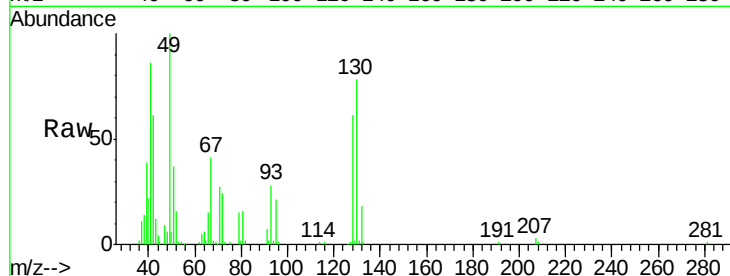
#41
Methacrylonitrile
Concen: 24.046 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	41	Resp	33066
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

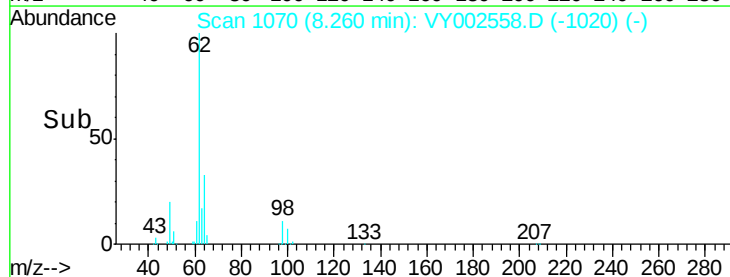
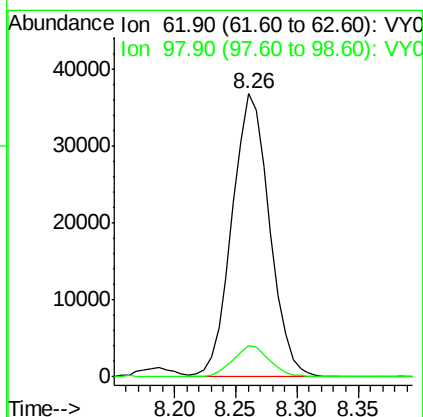
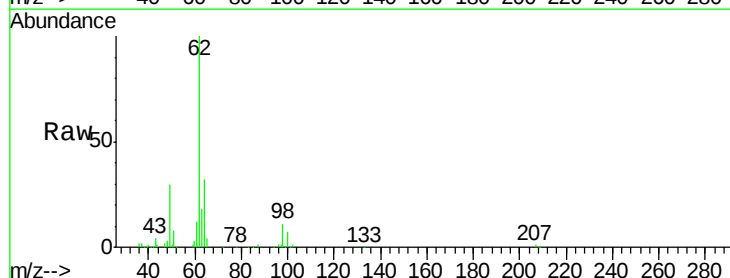
Manual Integrations
APPROVED

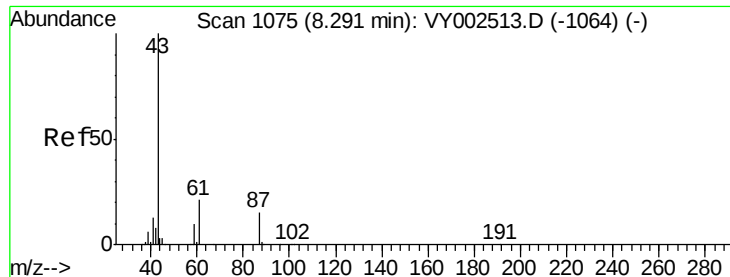
MMDadoda
5/5/2020 11:29:24 AM



#42
1,2-Dichloroethane
Concen: 19.478 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	62	Resp	78537
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.234 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

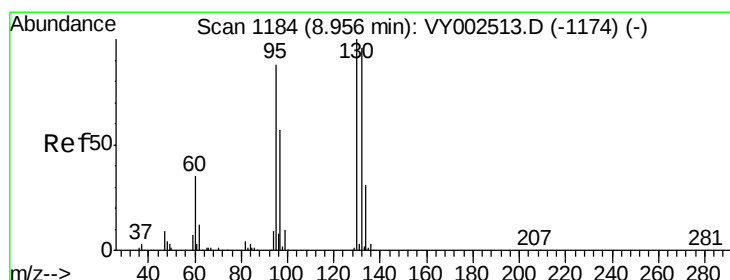
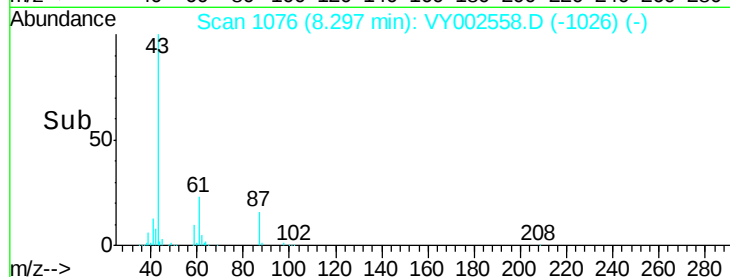
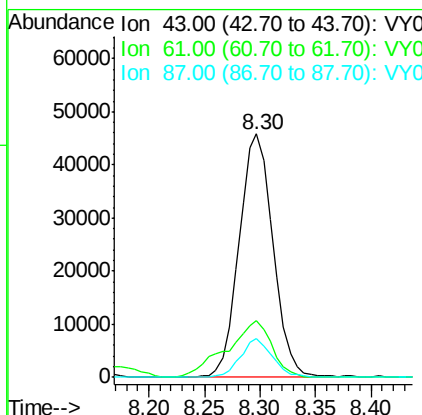
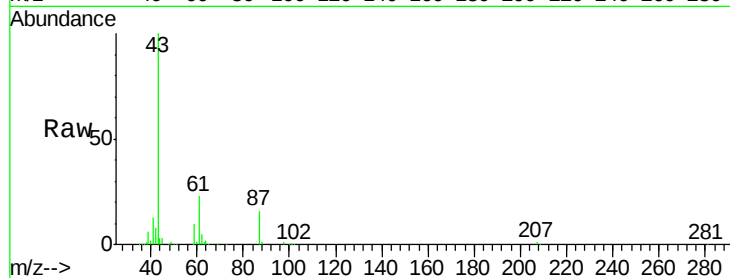
ClientSampleId :

VY0504SBS02

Tot Ion:	43	Resp:	97019
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	14.9	12.2	18.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#44

Trichloroethene

Concen: 19.589 ug/l

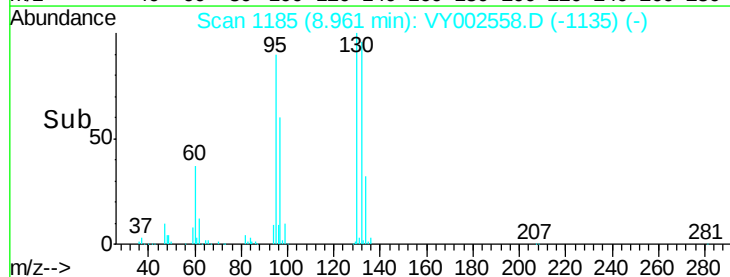
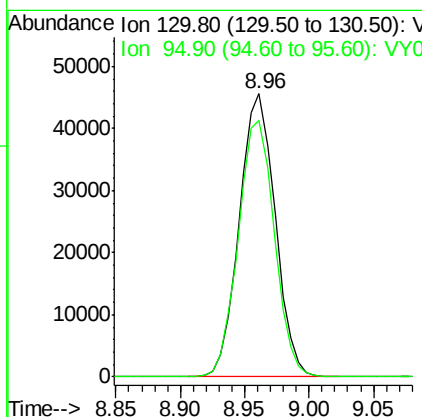
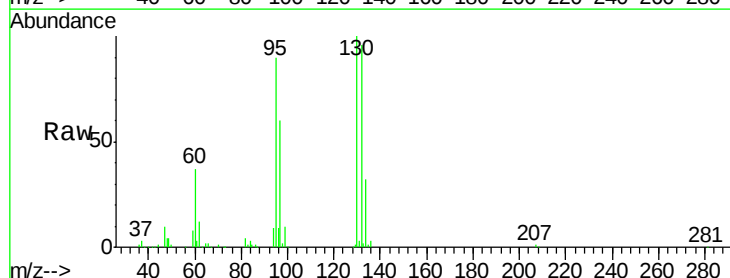
RT: 8.96 min Scan# 1185

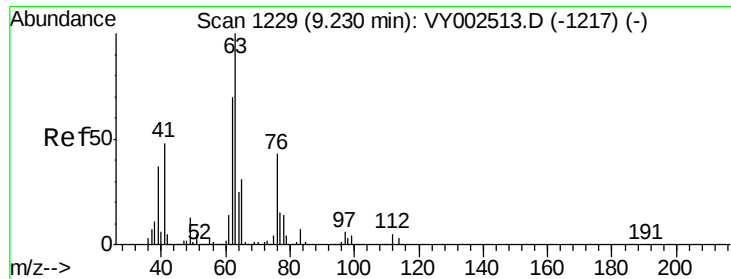
Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	130	Resp:	87999
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	175.8





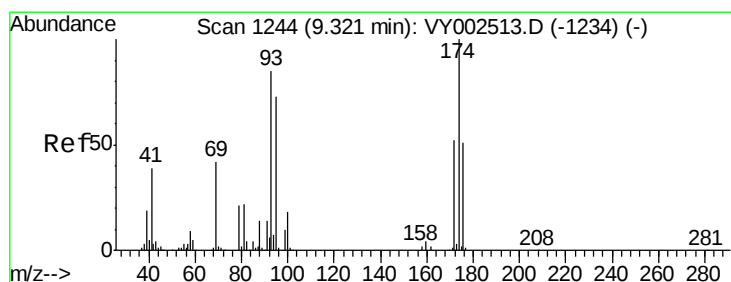
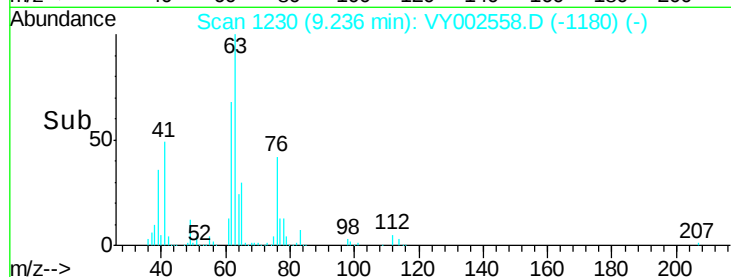
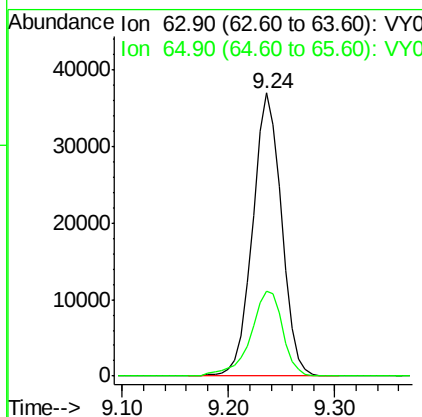
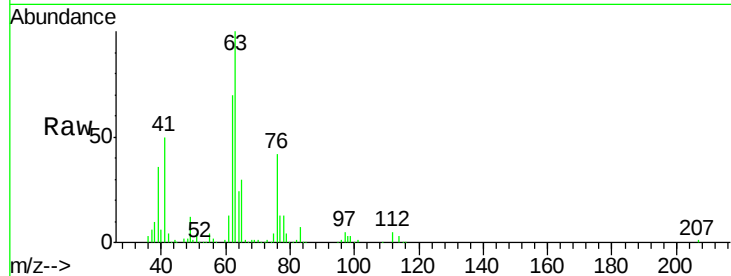
#45
 1,2-Dichloropropane
 Concen: 20.305 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ion	Ratio	Lower	Upper
63	100			
65	30.1	24.5	36.7	

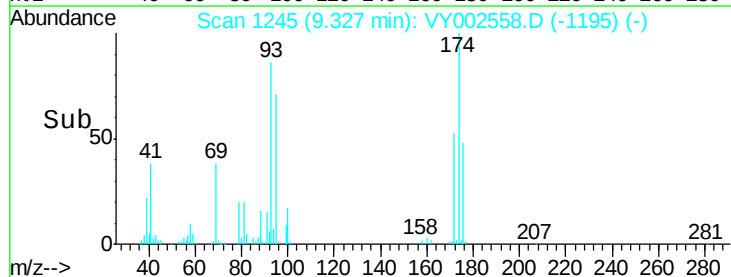
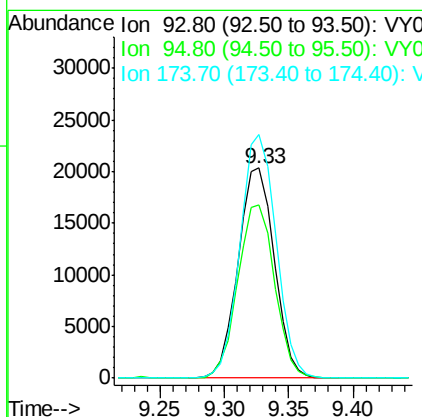
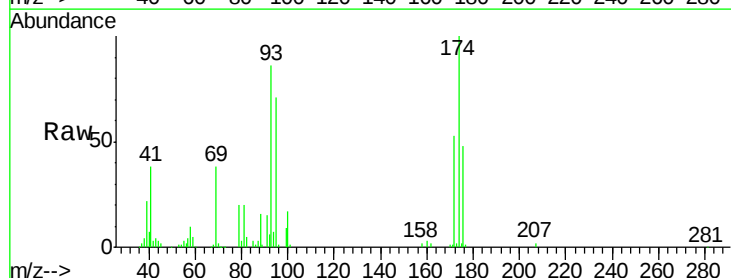
Manual Integrations
 APPROVED

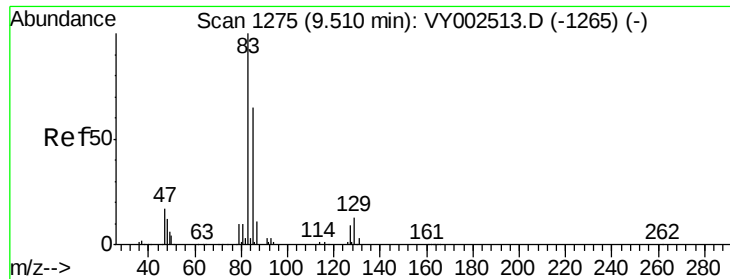
MMDadoda
 5/5/2020 11:29:24 AM



#46
 Dibromomethane
 Concen: 19.880 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ion	Ratio	Lower	Upper
93	100			
95	83.8	67.0	100.4	
174	115.2	92.7	139.1	





#47

Bromodichloromethane

Concen: 19.949 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

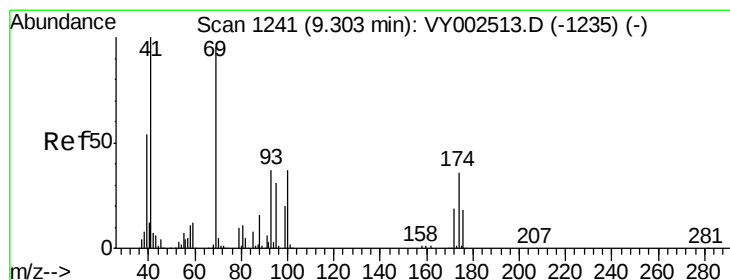
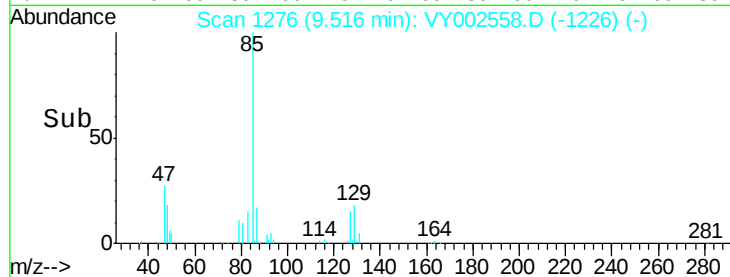
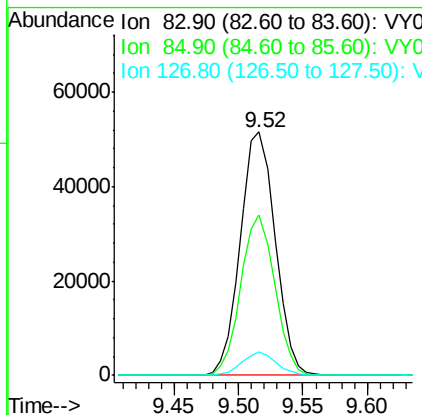
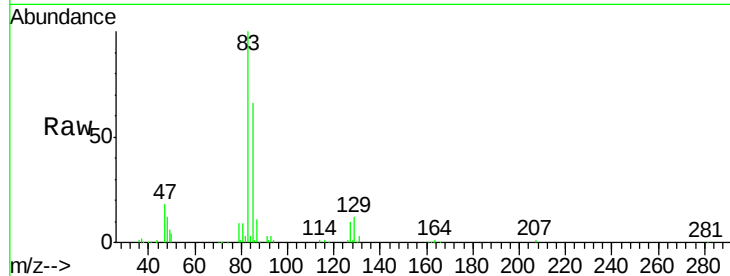
ClientSampleId :

VY0504SBS02

Tot Ion:	83	Resp:	96823
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8
127	9.8	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#48

Methyl methacrylate

Concen: 20.054 ug/l

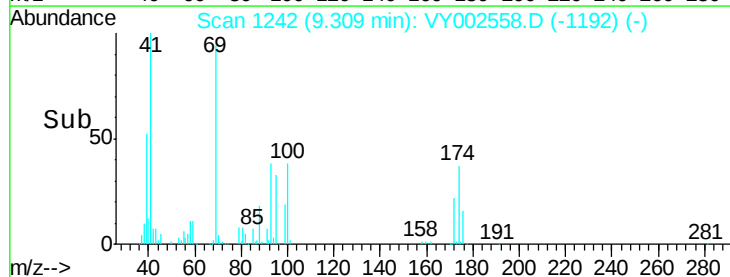
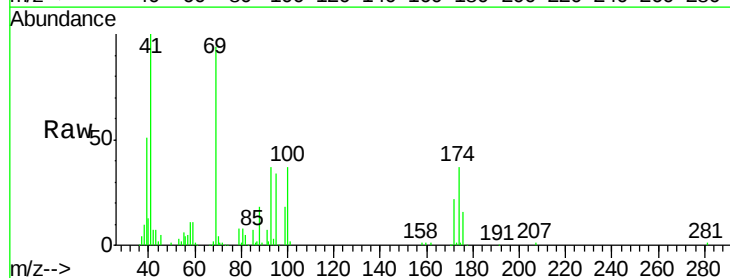
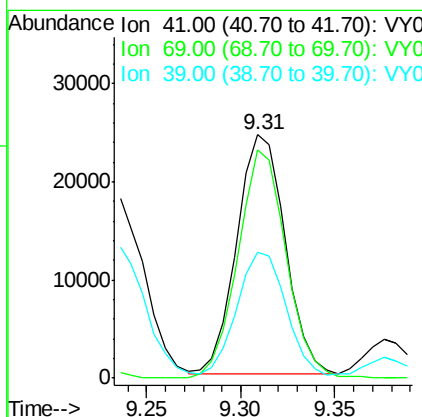
RT: 9.31 min Scan# 1242

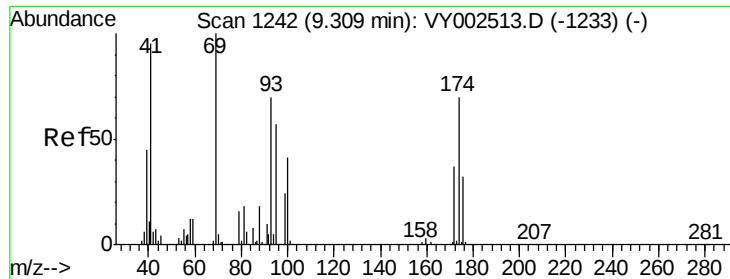
Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	41	Resp:	43516
Ion	Ratio	Lower	Upper
41	100		
69	95.1	76.2	114.4
39	54.3	42.7	64.1





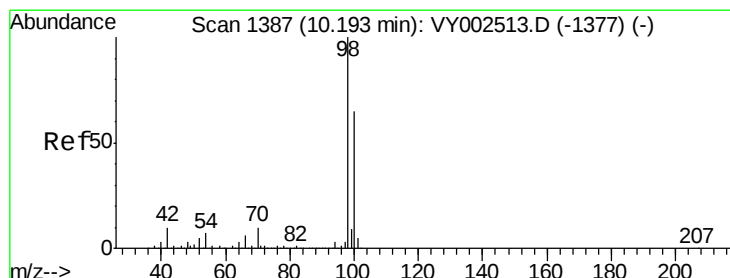
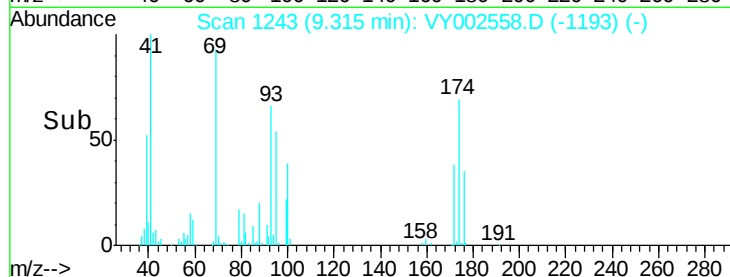
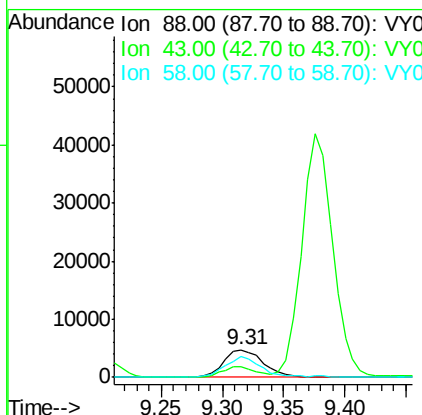
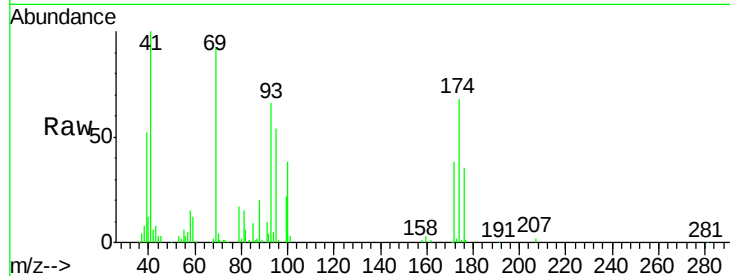
#49
1,4-Dioxane
Concen: 403.385 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.8	34.2
58	67.6	51.4	77.2

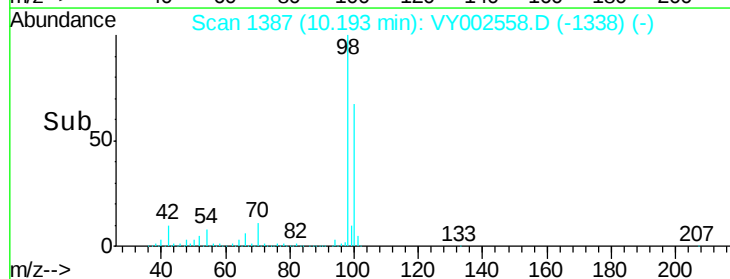
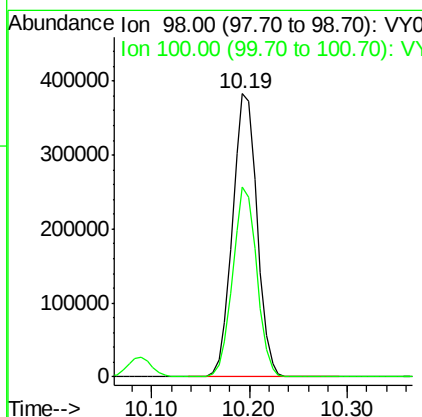
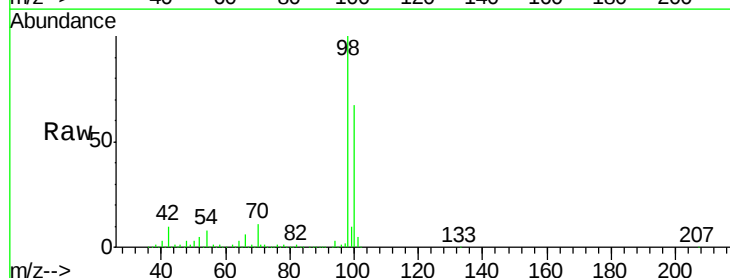
Manual Integrations
APPROVED

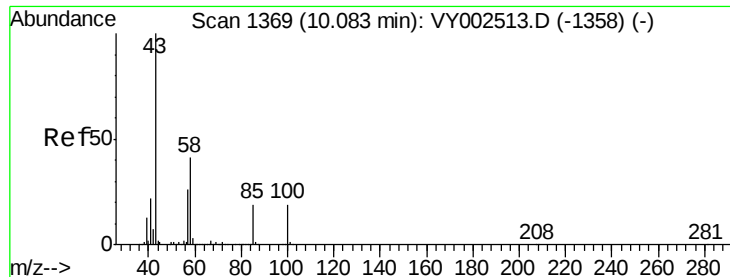
MMDadoda
5/5/2020 11:29:24 AM



#50
Toluene-d8
Concen: 50.238 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 102.742 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 43 Resp: 253917

Ion Ratio Lower Upper

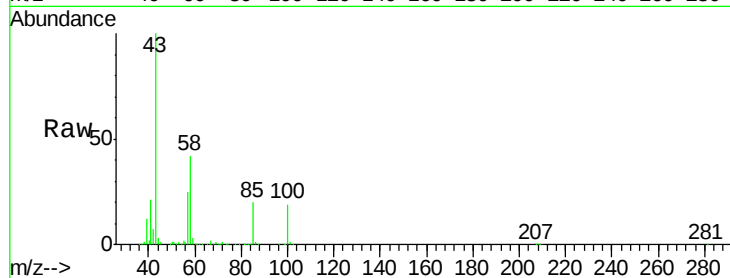
43 100

58 41.4 33.2 49.8

Manual Integrations
APPROVED

MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.09

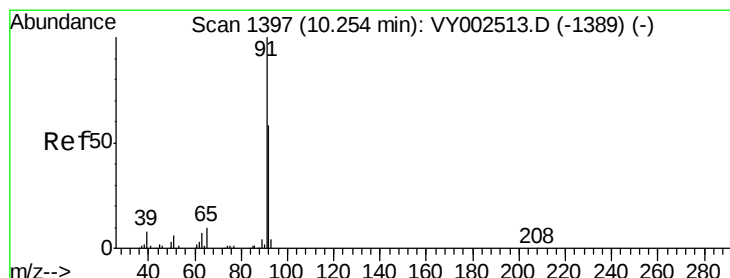
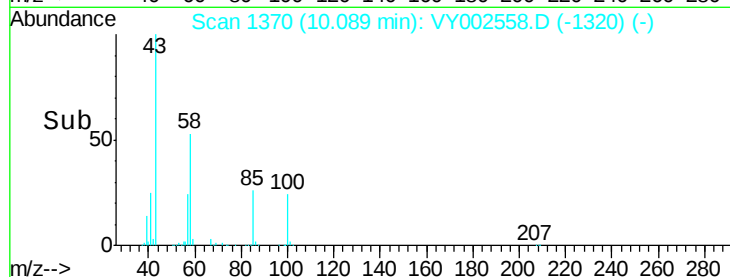
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.512 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002558.D

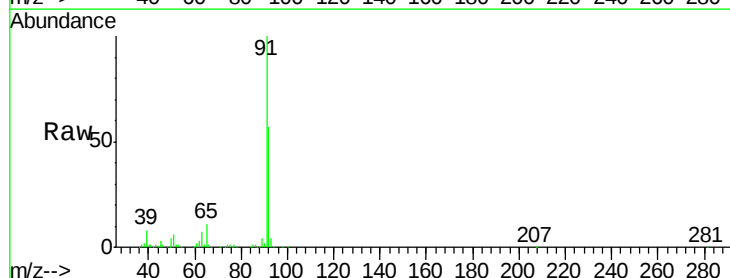
Acq: 04 May 2020 22:59

Tgt Ion: 92 Resp: 180254

Ion Ratio Lower Upper

92 100

91 175.2 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.26

200000

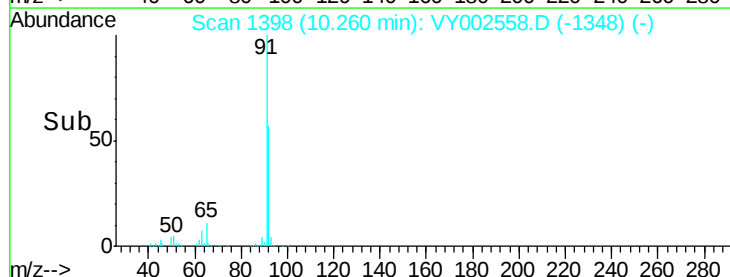
150000

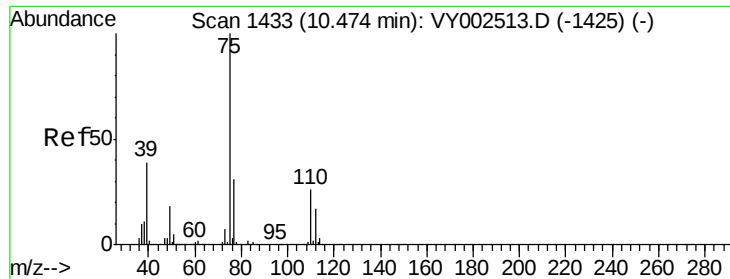
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.304 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 75 Resp: 98168

Ion Ratio Lower Upper

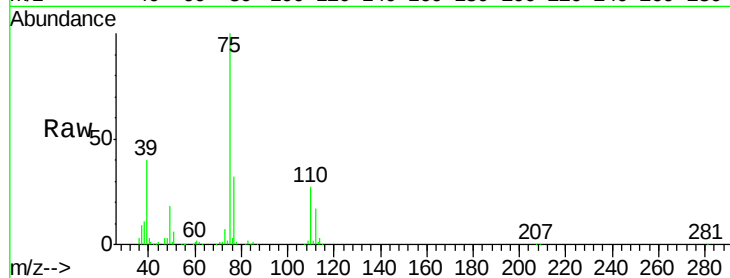
75 100

77 31.6 25.0 37.6

Manual Integrations
APPROVED

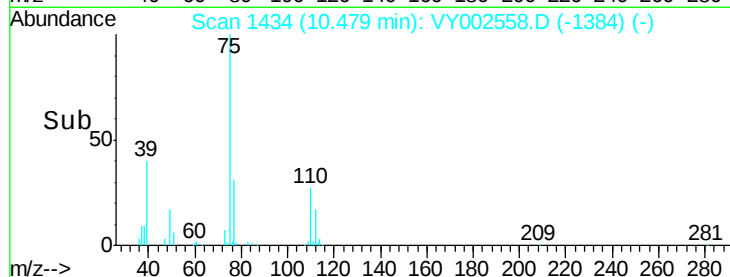
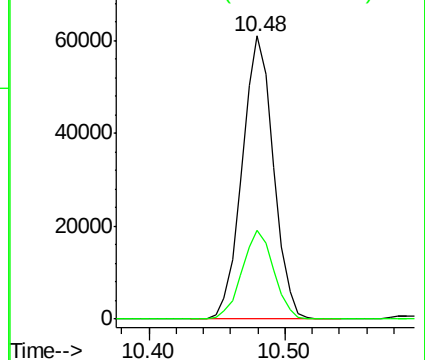
MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

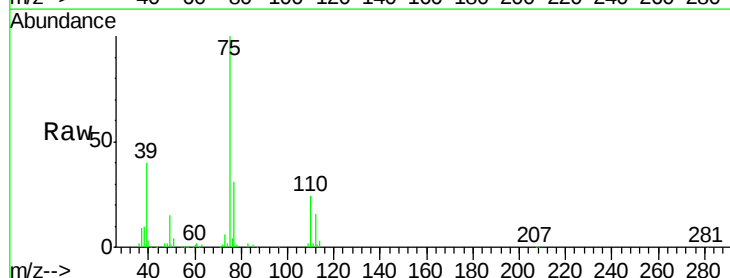
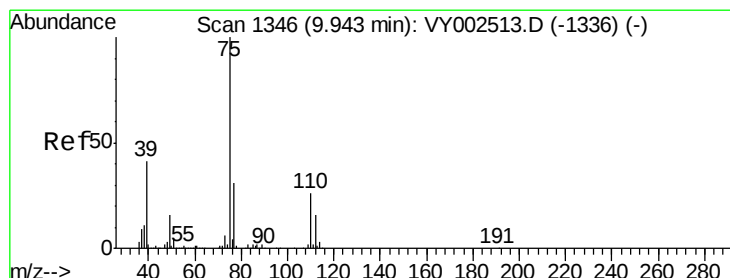
Tgt Ion: 75 Resp: 115233

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

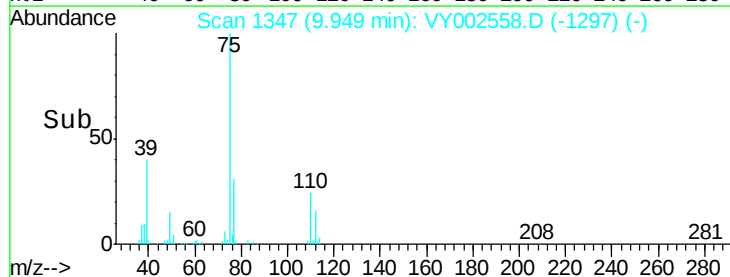
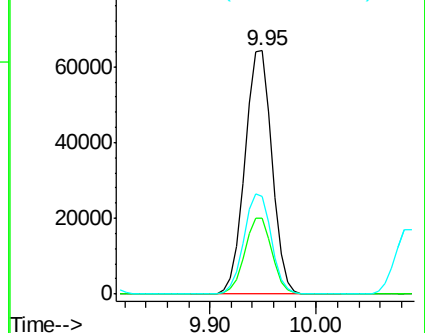
39 40.0 32.7 49.1

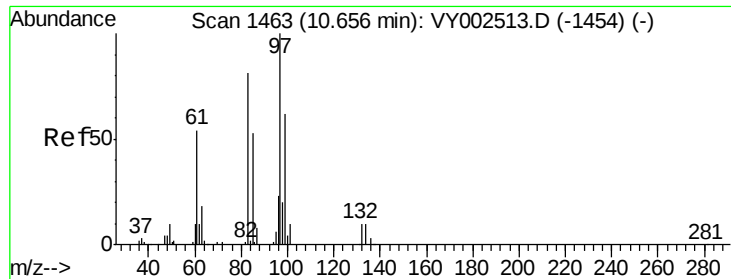


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





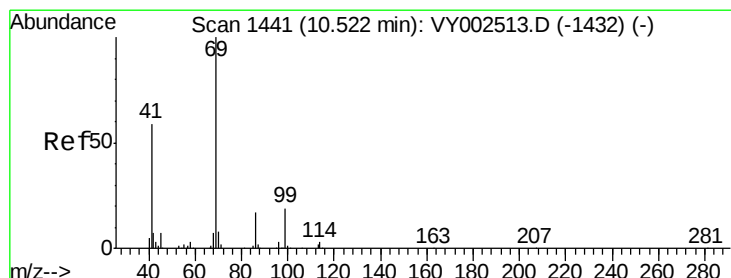
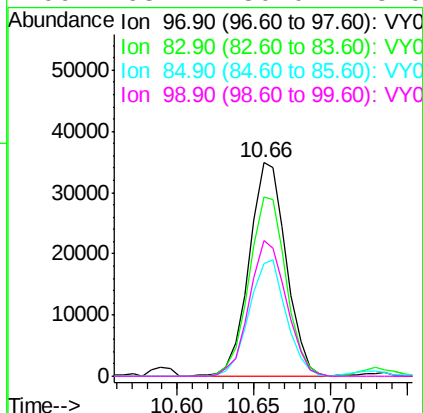
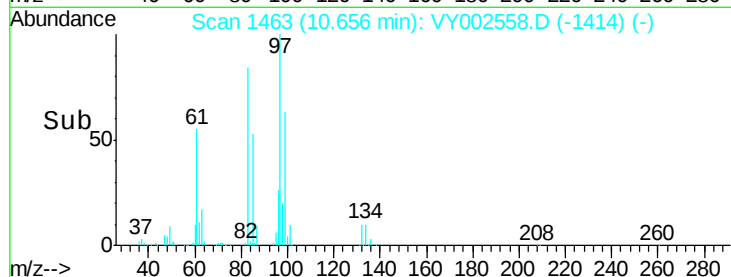
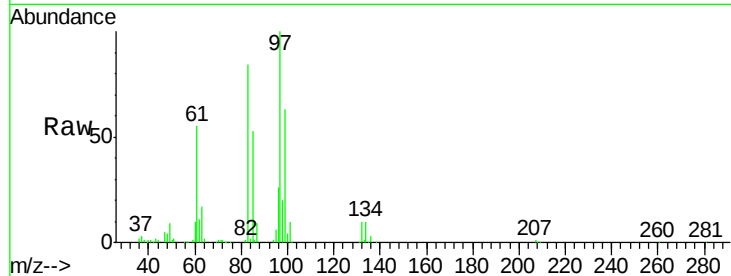
#55
 1,1,2-Trichloroethane
 Concen: 20.183 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion:	97	Resp:	58749
Ion	Ratio	Lower	Upper
97	100		
83	83.7	65.1	97.7
85	53.0	42.7	64.1
99	63.4	50.0	75.0

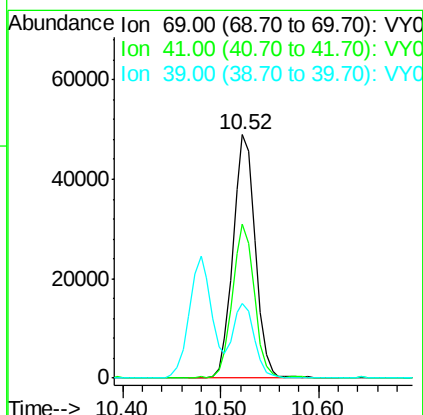
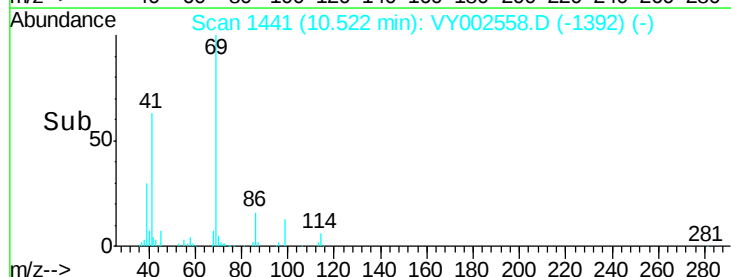
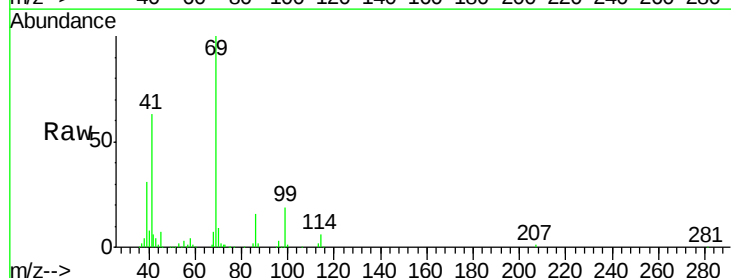
Manual Integrations
 APPROVED

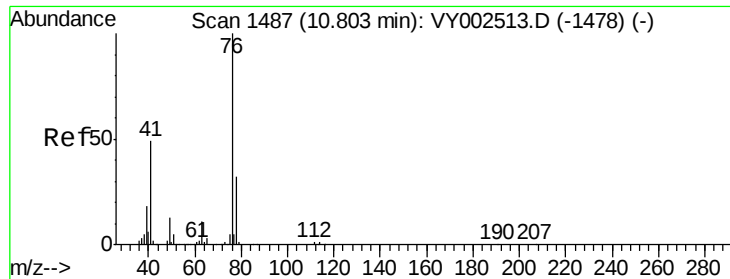
MMDadoda
 5/5/2020 11:29:24 AM



#56
 Ethyl methacrylate
 Concen: 19.995 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion:	69	Resp:	77426
Ion	Ratio	Lower	Upper
69	100		
41	62.1	48.6	73.0
39	29.4	25.0	37.4





#57

1,3-Dichloropropane

Concen: 20.384 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 76 Resp: 100622

Ion Ratio Lower Upper

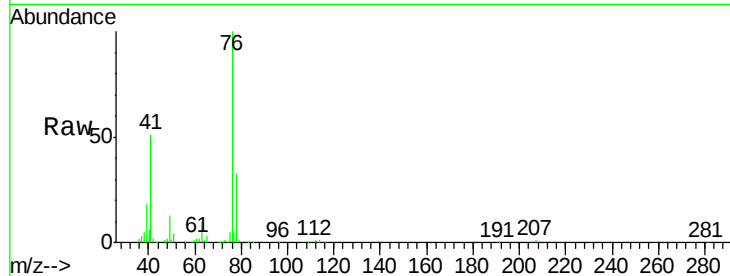
76 100

78 31.9 25.4 38.2

Manual Integrations
APPROVED

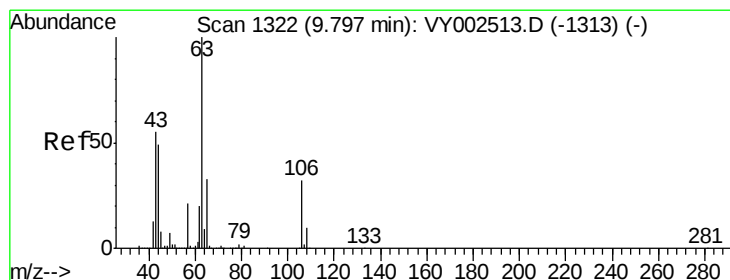
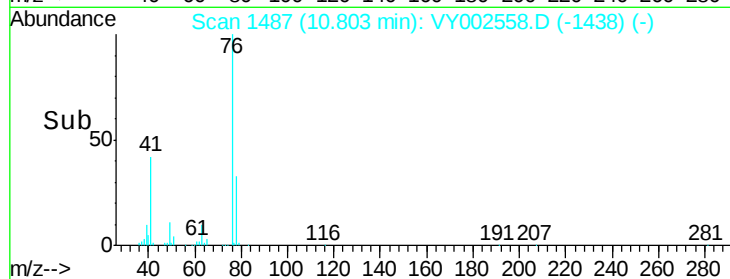
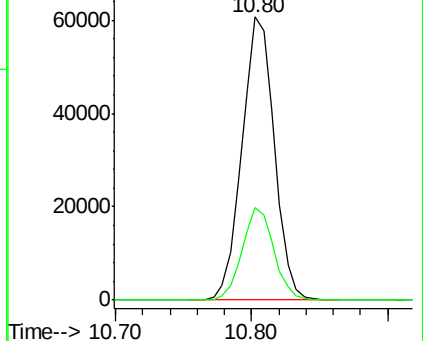
MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 100.619 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002558.D

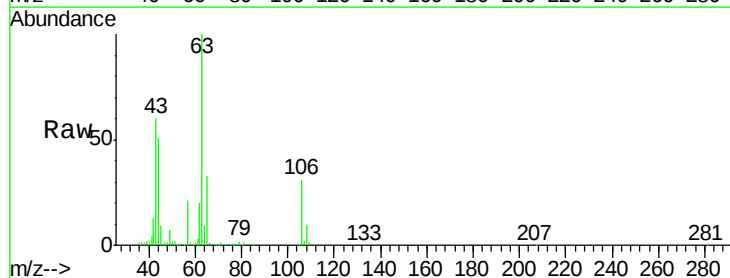
Acq: 04 May 2020 22:59

Tgt Ion: 63 Resp: 205473

Ion Ratio Lower Upper

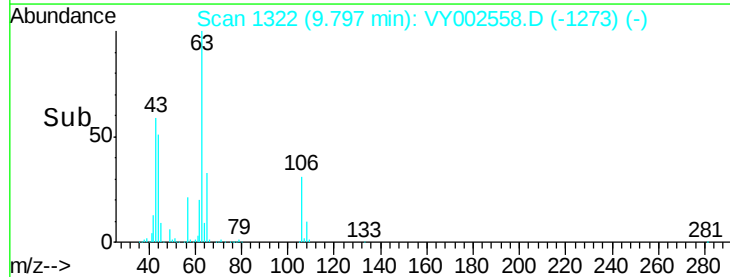
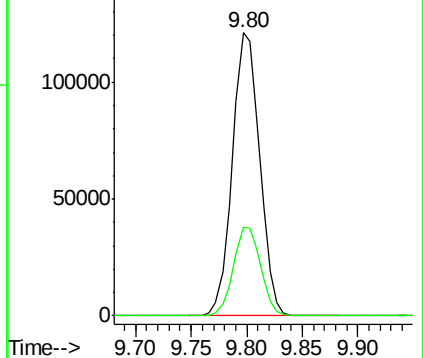
63 100

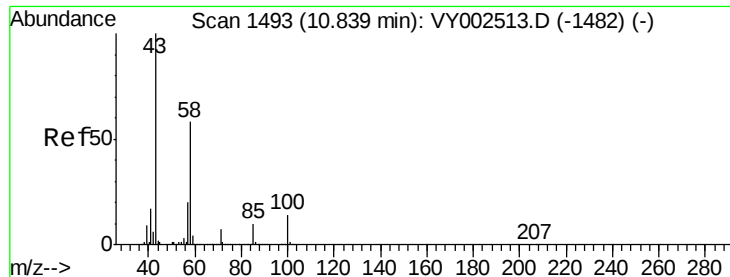
106 31.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





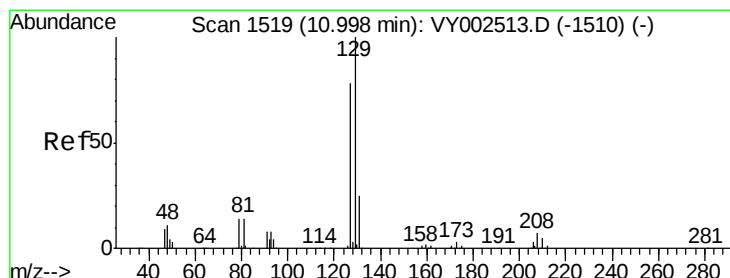
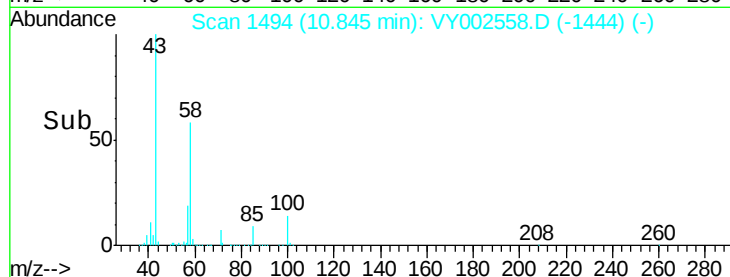
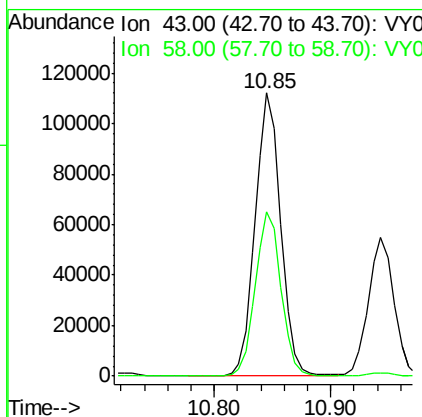
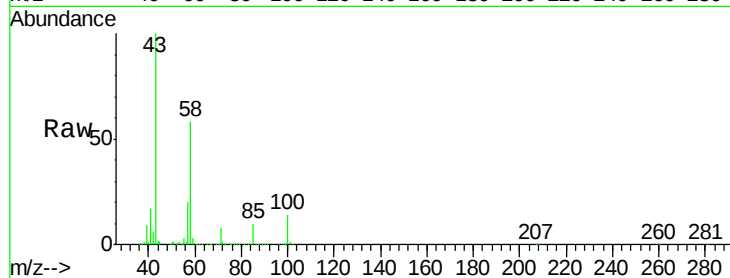
#59
2-Hexanone
Concen: 101.245 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion: 43 Resp: 172217
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.3

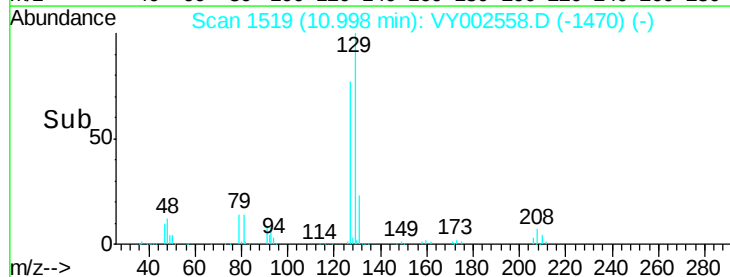
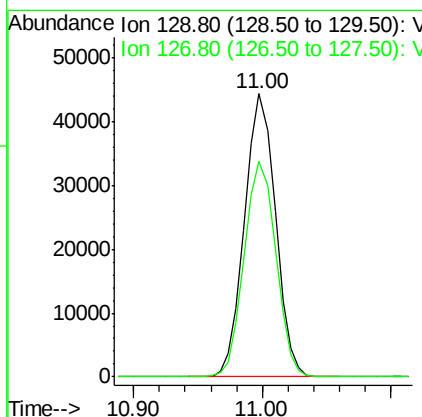
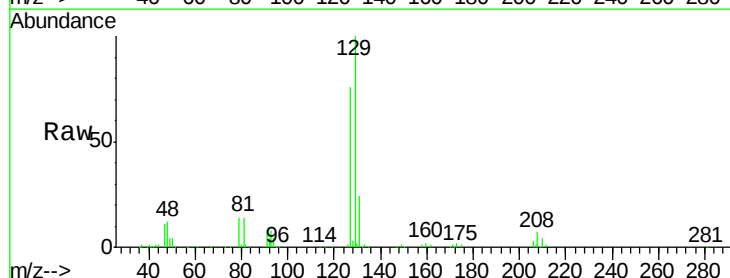
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#60
Dibromochloromethane
Concen: 20.008 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion: 129 Resp: 74074
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





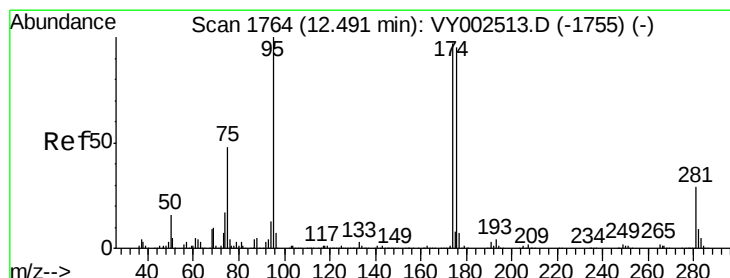
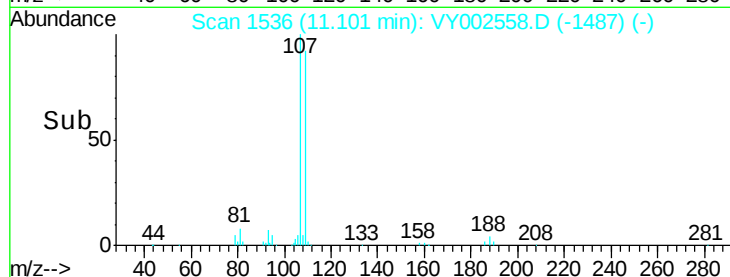
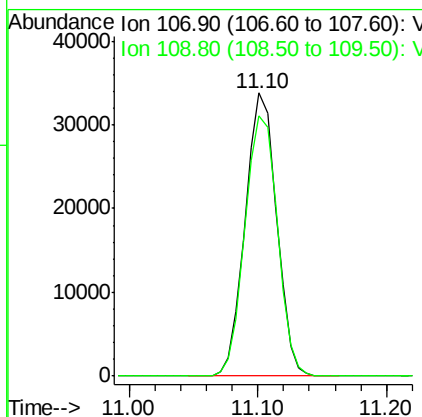
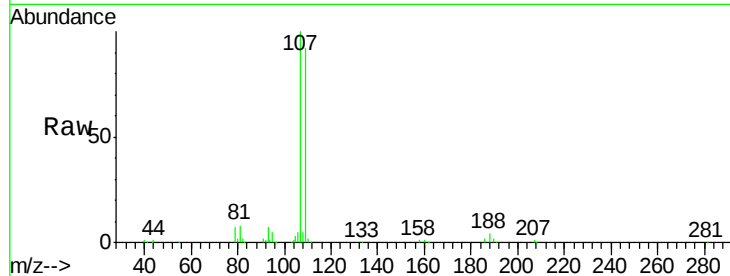
#61
 1,2-Dibromoethane
 Concen: 19.738 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.8	113.8

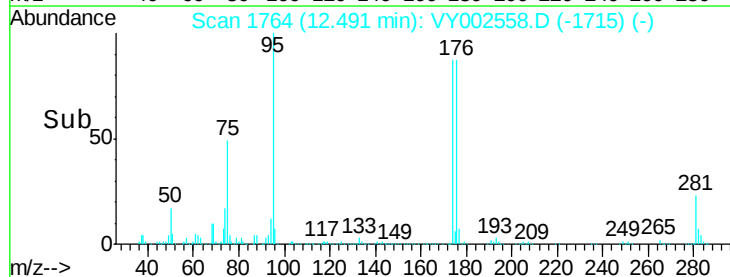
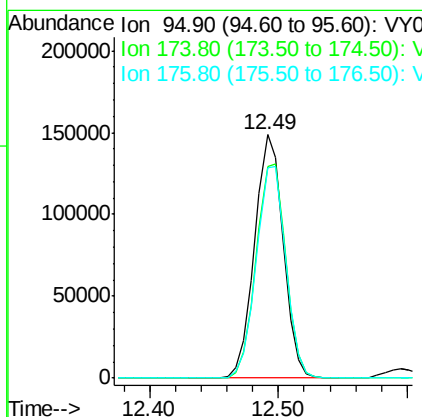
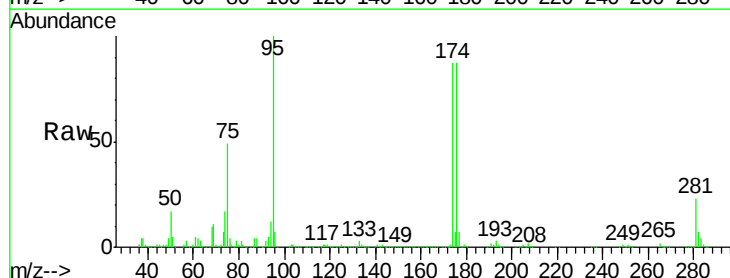
Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:24 AM



#62
 4-Bromofluorobenzene
 Concen: 50.435 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	188.8
176	90.0	0.0	183.2





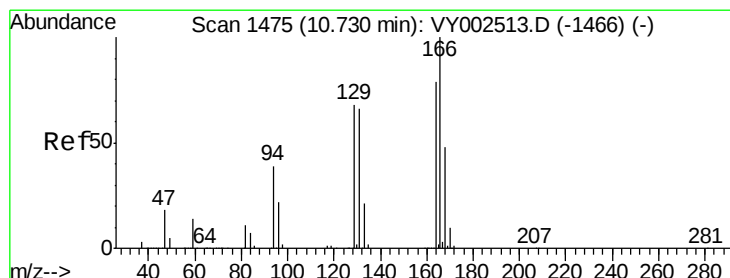
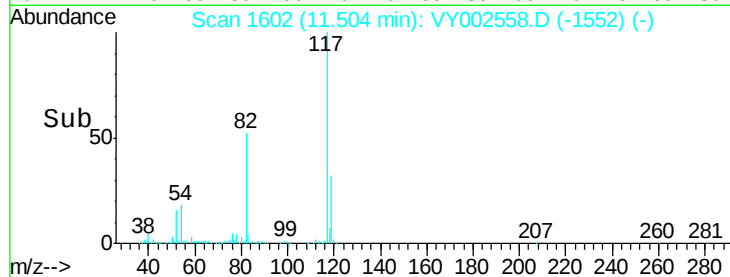
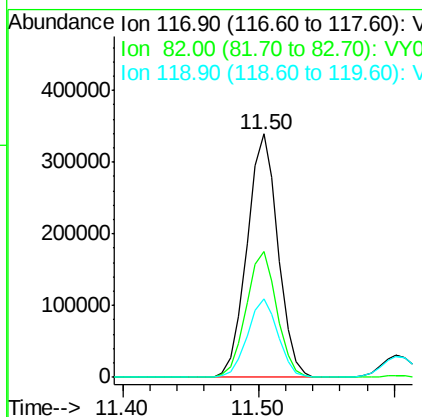
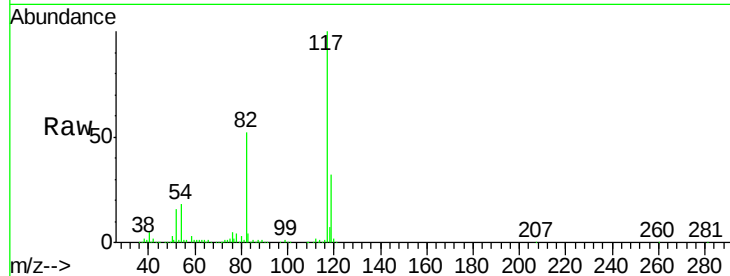
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	539520		
82	51.7		41.3	61.9
119	32.0		26.0	39.0

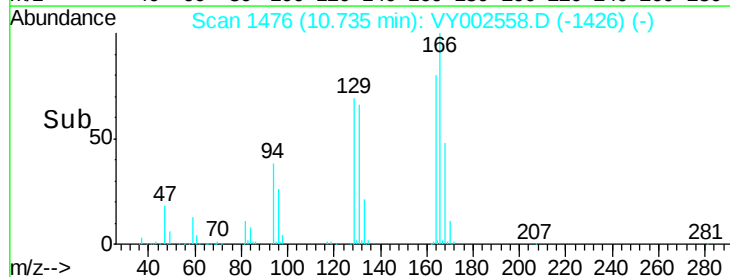
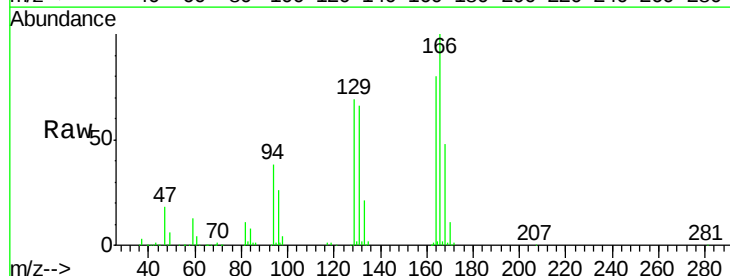
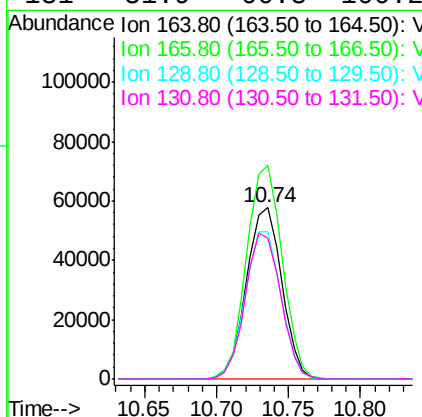
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#64
Tetrachloroethene
Concen: 20.490 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98220		
166	124.7		100.7	151.1
129	85.6		68.3	102.5
131	81.9		66.8	100.2





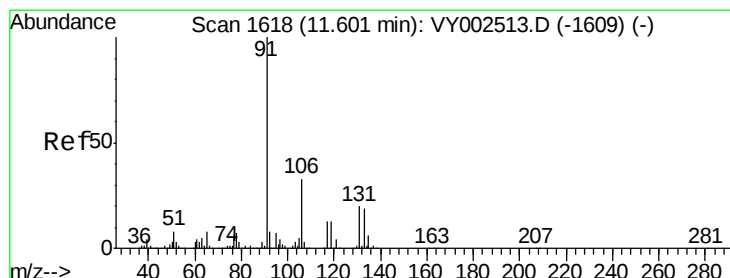
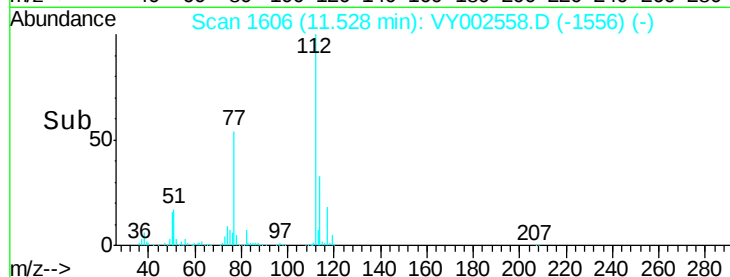
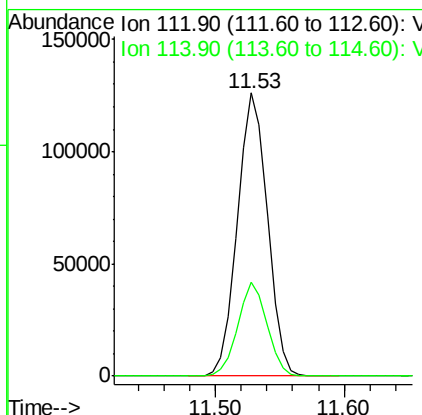
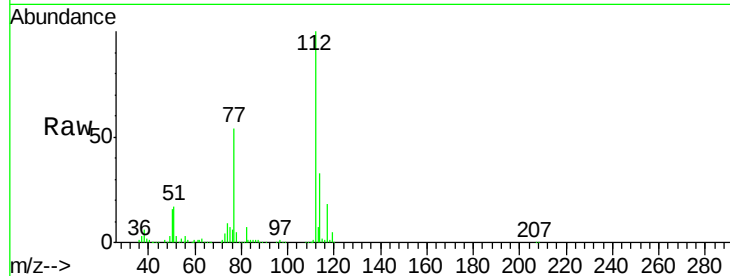
#65
Chlorobenzene
Concen: 19.803 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	203101		
114	33.2	25.8	38.6	

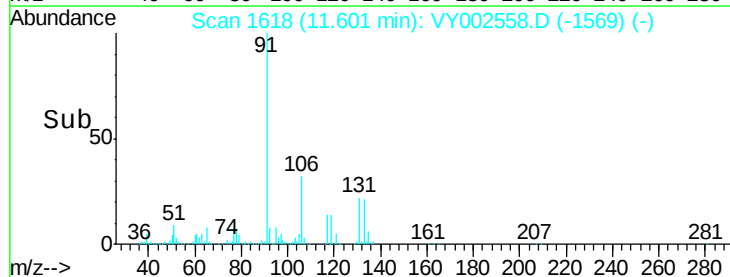
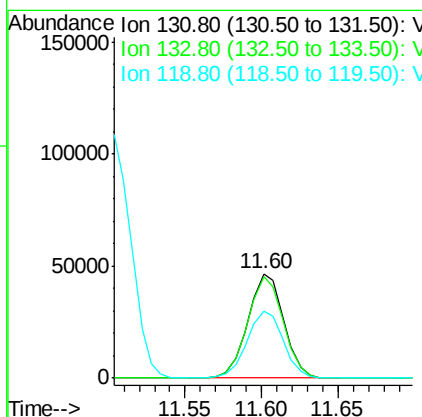
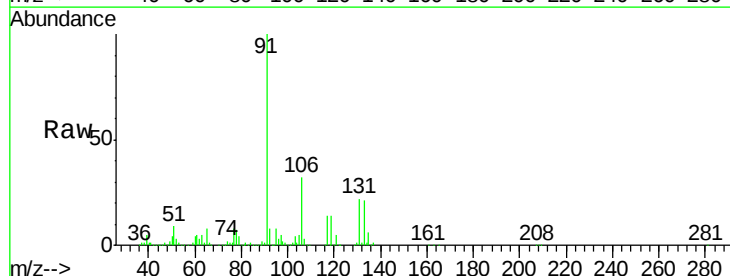
Manual Integrations
APPROVED

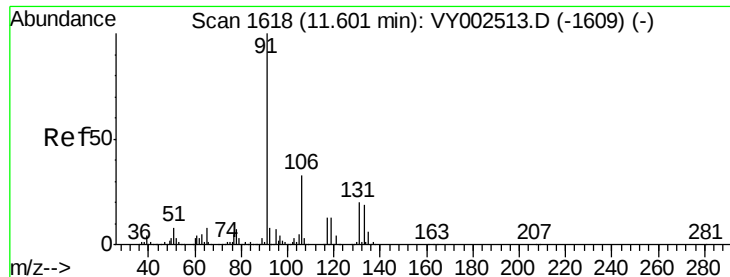
MMDadoda
5/5/2020 11:29:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.928 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	75870		
133	97.1	48.1	144.4	
119	65.3	31.6	95.0	





#67

Ethyl Benzene

Concen: 19.638 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 91 Resp: 353787

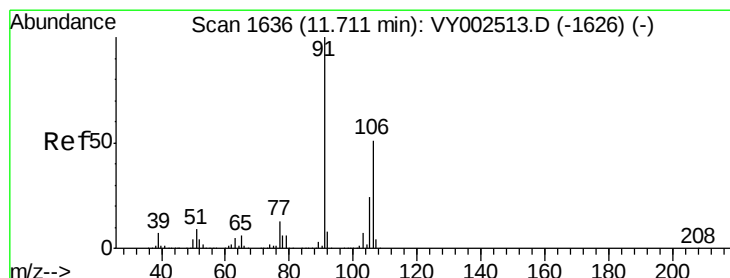
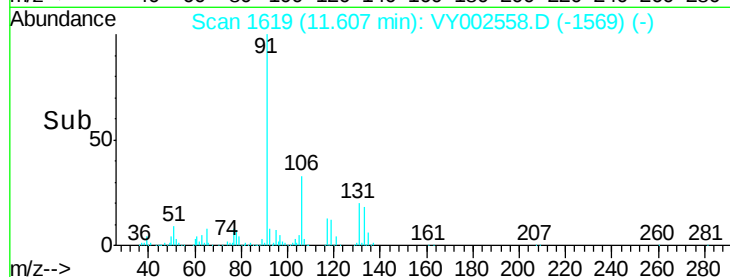
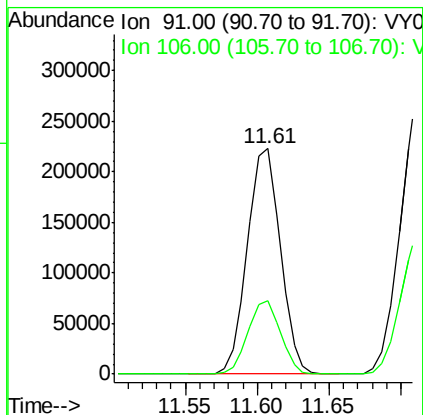
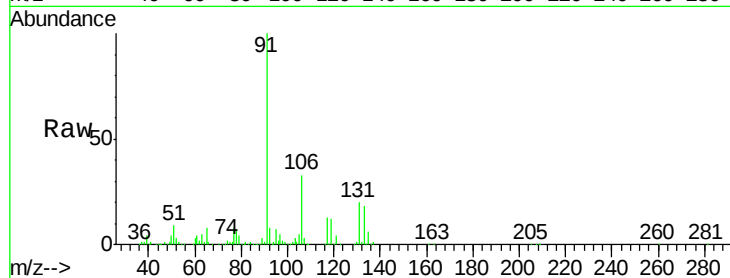
Ion Ratio Lower Upper

91 100

106 32.6 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#68

m/p-Xylenes

Concen: 38.694 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002558.D

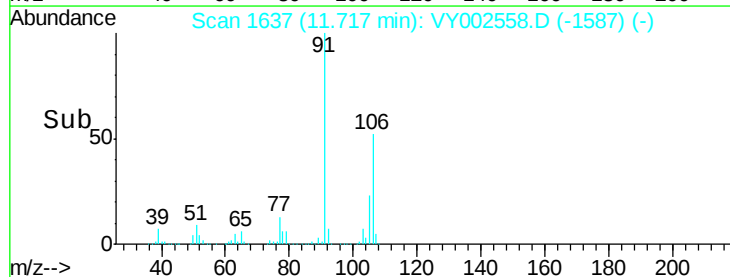
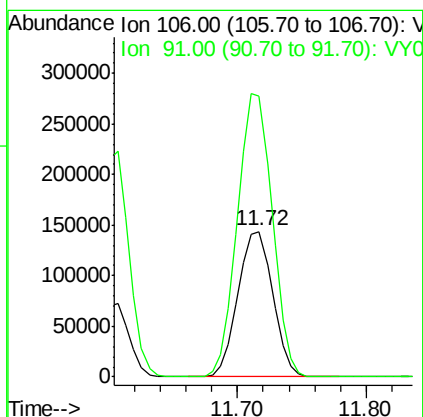
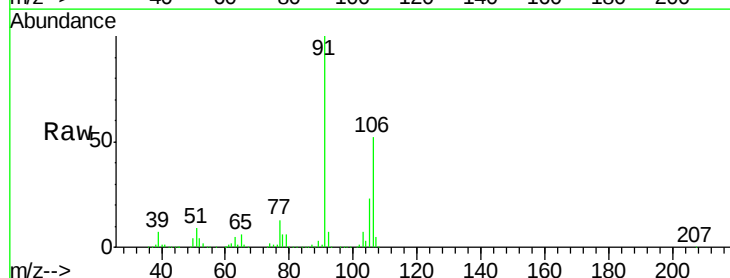
Acq: 04 May 2020 22:59

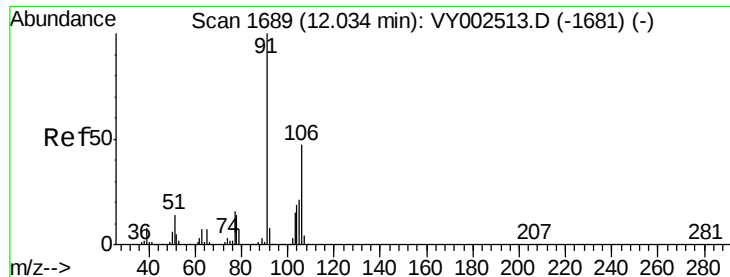
Tgt Ion: 106 Resp: 269729

Ion Ratio Lower Upper

106 100

91 195.1 155.2 232.8





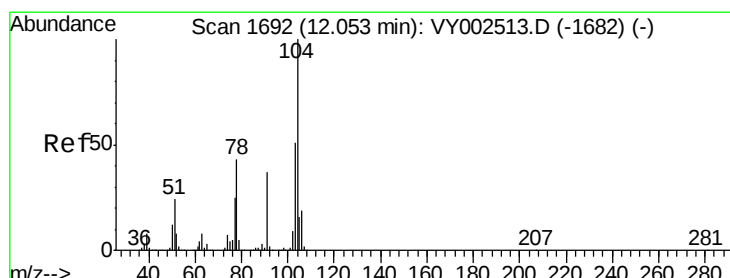
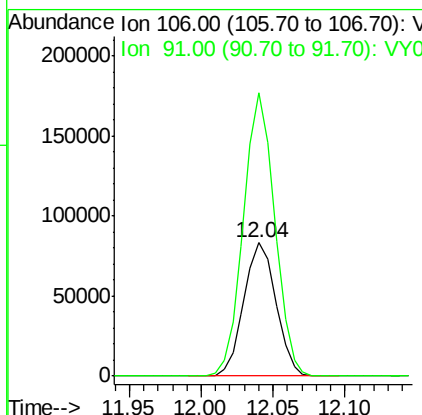
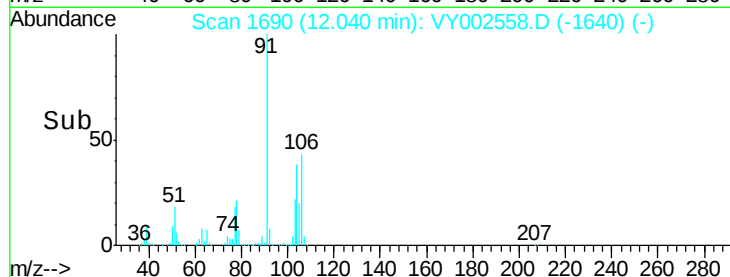
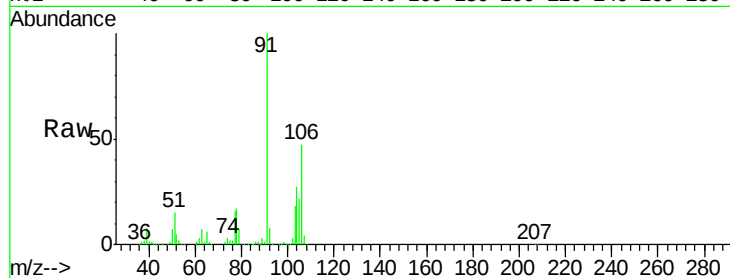
#69
o-Xylene
Concen: 19.779 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	129092		
91	91	206.4	103.8	311.3	

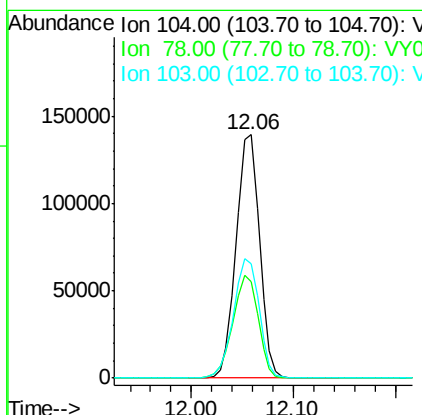
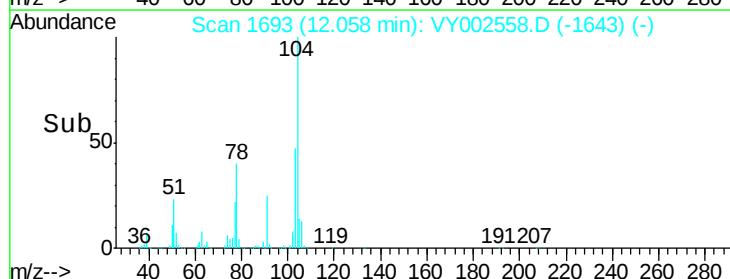
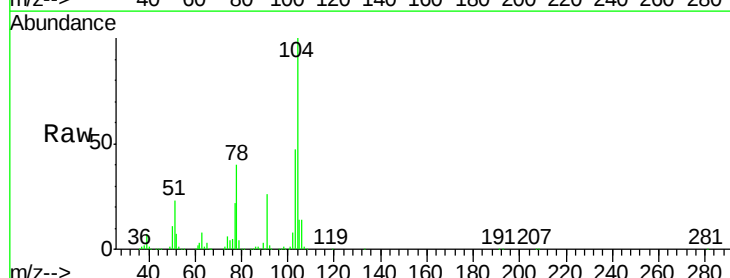
Manual Integrations
APPROVED

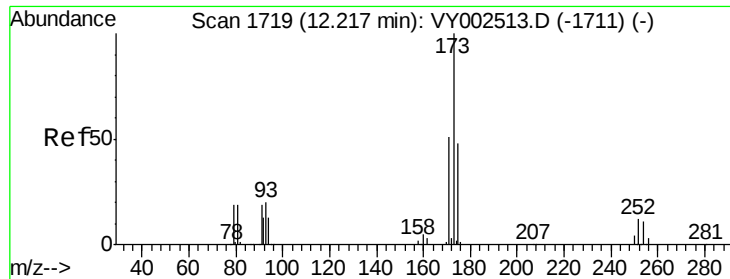
MMDadoda
5/5/2020 11:29:24 AM



#70
Styrene
Concen: 19.833 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	221291		
78	78	45.7	37.4	56.0	
103	103	53.7	43.9	65.9	





#71

Bromoform

Concen: 19.730 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD02

Tot Ion:173 Resp: 46622

Ion Ratio Lower Upper

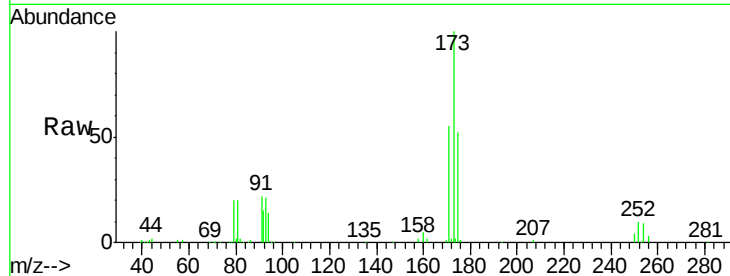
173 100

175 50.6 24.3 72.8

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

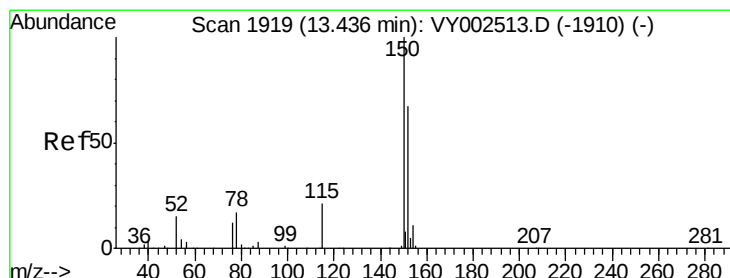
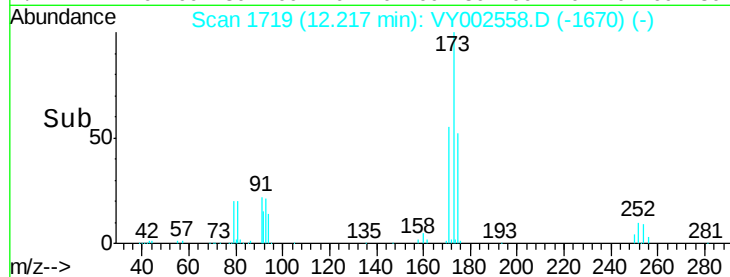
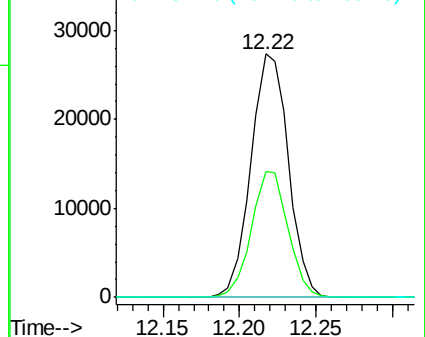
MMDadoda
5/5/2020 11:29:24 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

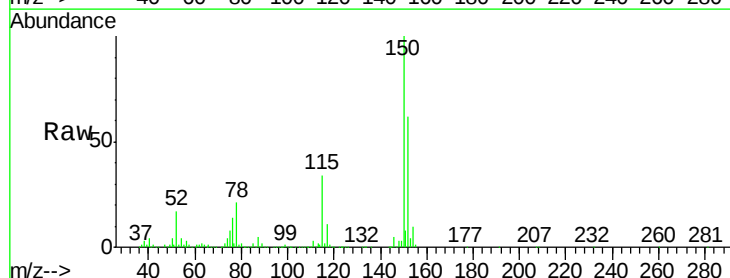
Tgt Ion:152 Resp: 271013

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.4

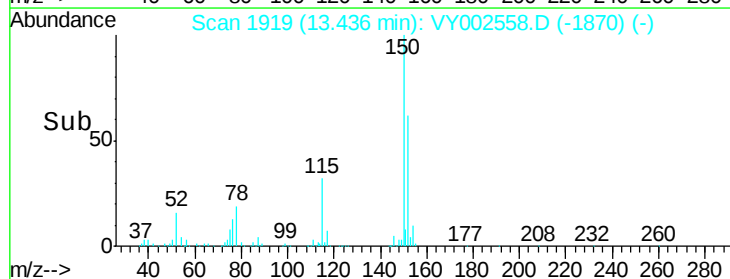
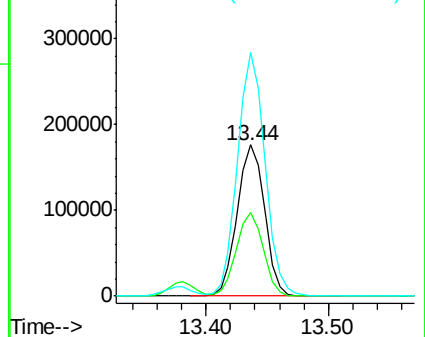
150 163.1 0.0 346.4

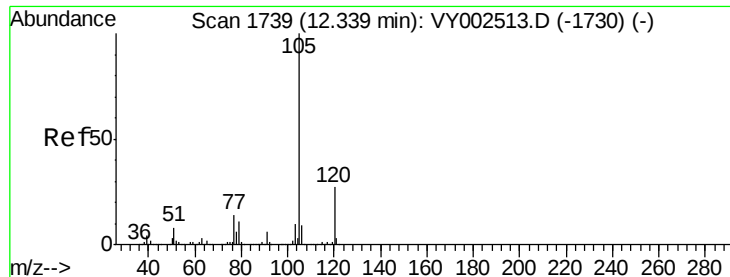


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.860 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 105 Resp: 348820

Ion Ratio Lower Upper

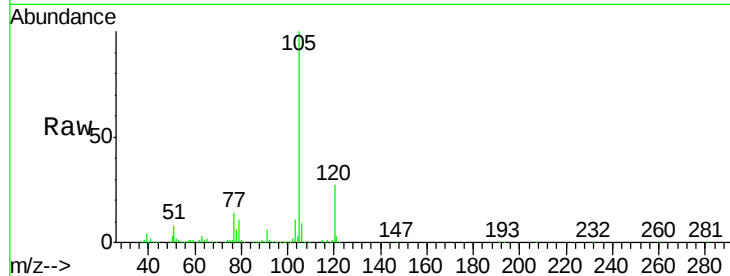
105 100

120 27.4 13.8 41.3

Manual Integrations
APPROVED

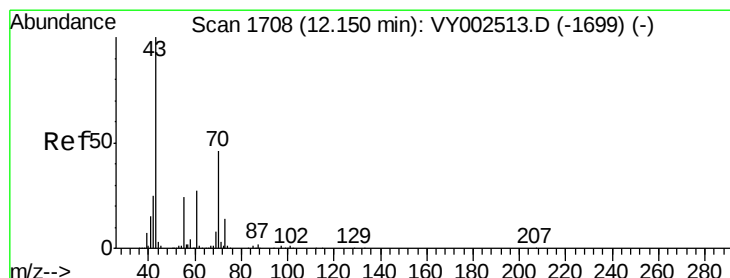
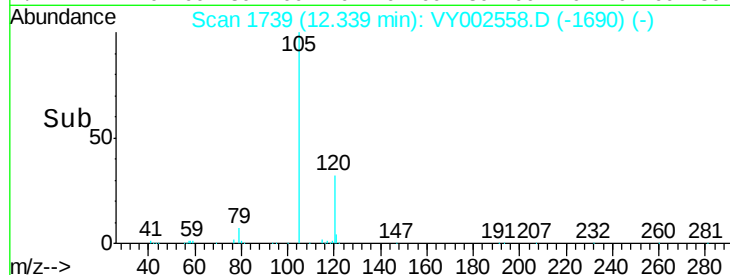
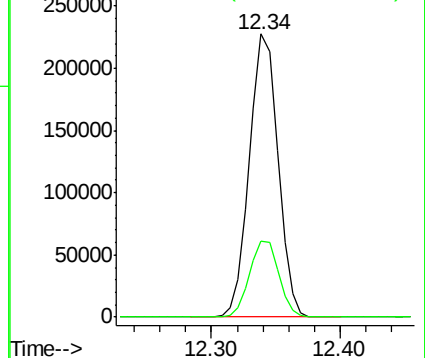
MMDadoda

5/5/2020 11:29:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.548 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion: 43 Resp: 86820

Ion Ratio Lower Upper

43 100

70 47.1 36.7 55.1

55 24.8 19.2 28.8

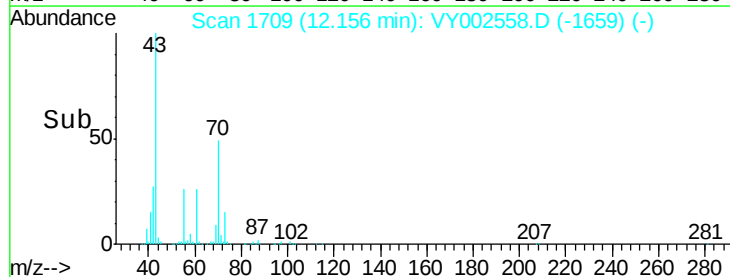
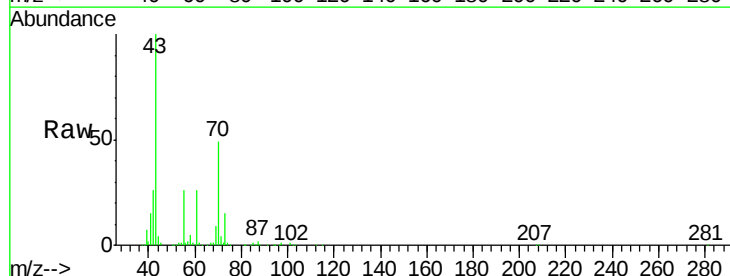
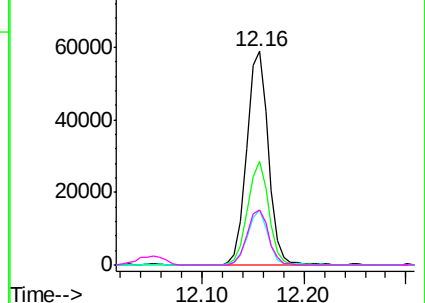
61 25.5 21.1 31.7

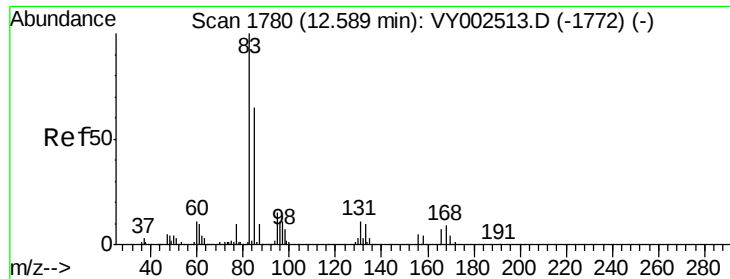
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 19.281 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

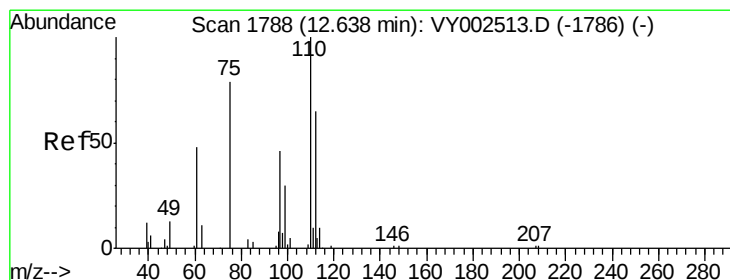
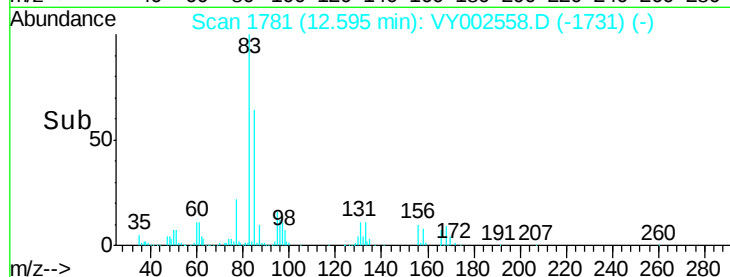
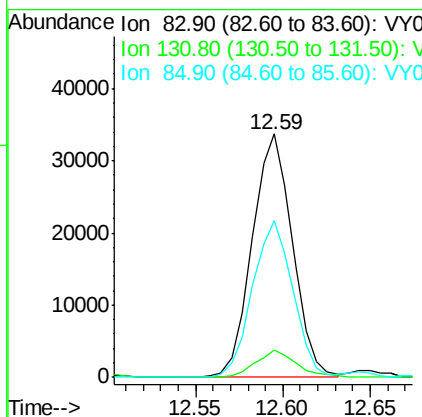
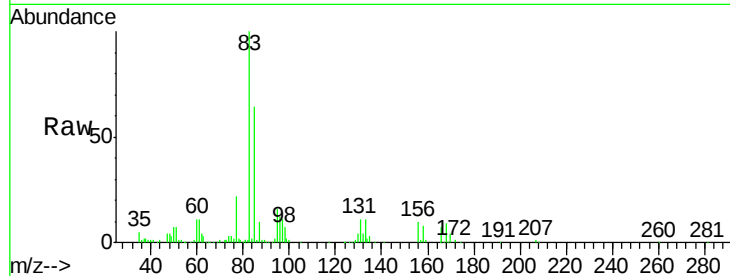
ClientSampleId :

VY0504SBS02

Tot Ion:	83	Resp:	53858
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.8
85	64.7	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#76

1,2,3-Trichloropropane

Concen: 19.409 ug/l m

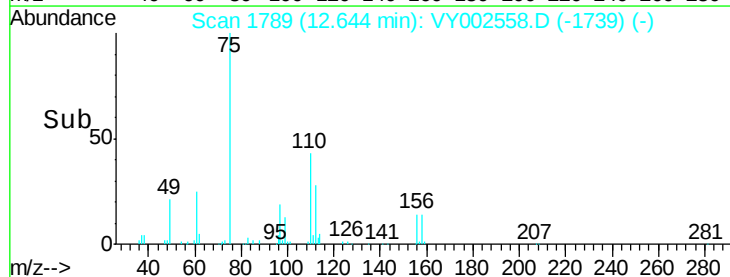
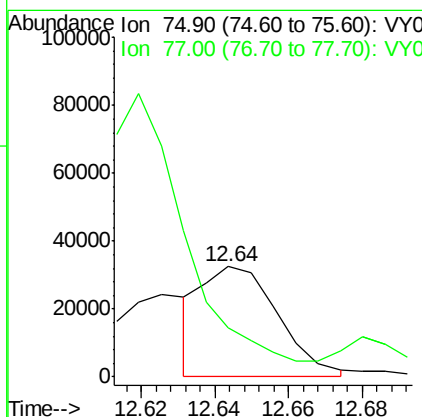
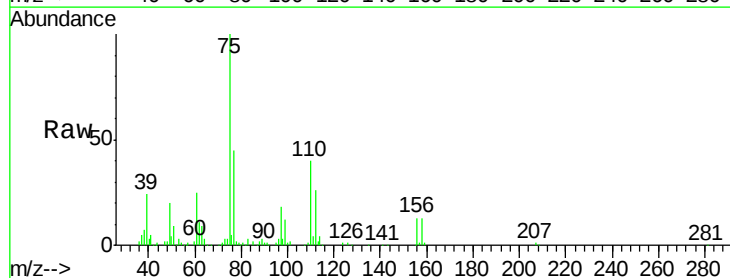
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	75	Resp:	46744
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.355 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion:156 Resp: 89321

Ion Ratio Lower Upper

156 100

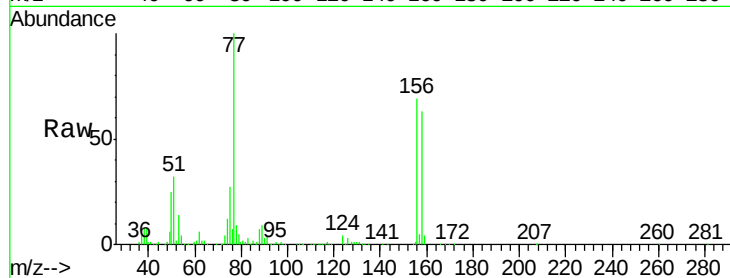
77 164.3 82.0 245.8

158 95.9 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

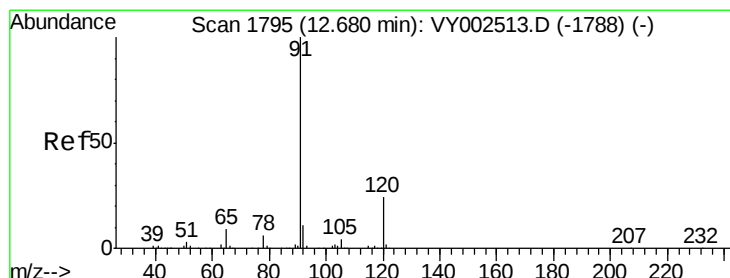
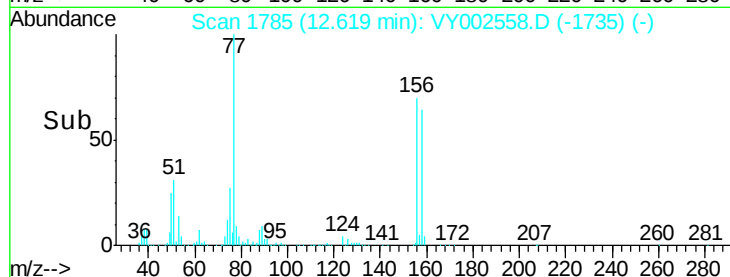
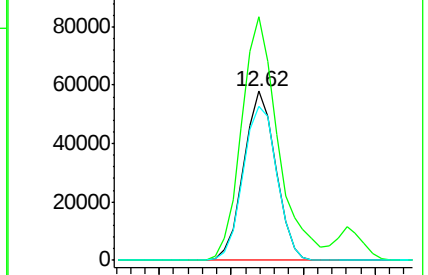
5/5/2020 11:29:24 AM



Abundance Ion 155.80 (155.50 to 156.50): VY002513.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY002513.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY002513.D (-1776) (-)



#78

n-propylbenzene

Concen: 19.745 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002558.D

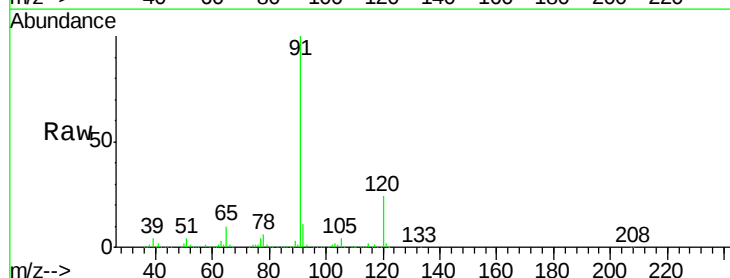
Acq: 04 May 2020 22:59

Tgt Ion: 91 Resp: 402471

Ion Ratio Lower Upper

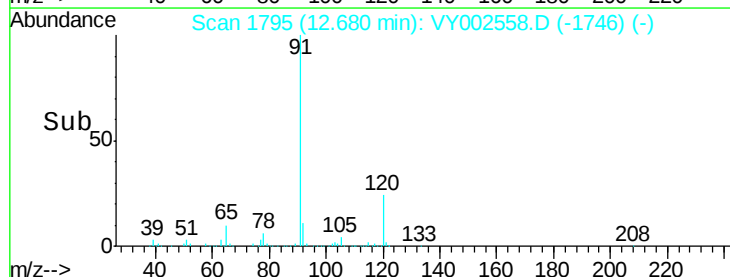
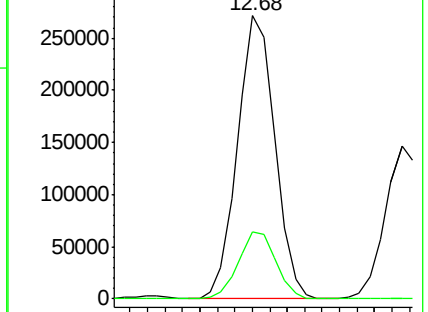
91 100

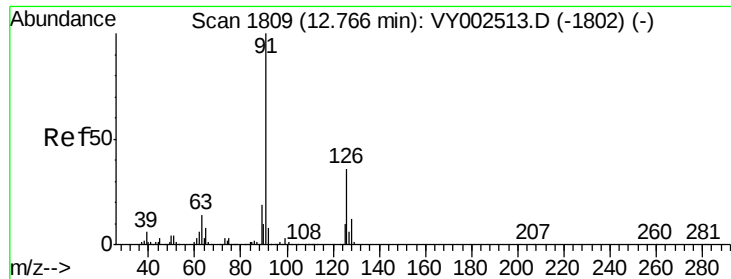
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1788) (-)

Ion 120.00 (119.70 to 120.70): VY002513.D (-1788) (-)





#79

2-Chlorotoluene

Concen: 20.033 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

Tot Ion: 91 Resp: 226184

Ion Ratio Lower Upper

91 100

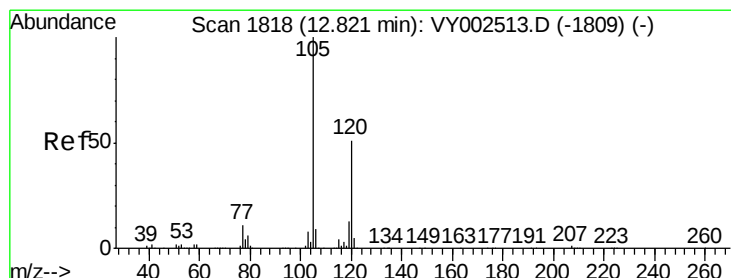
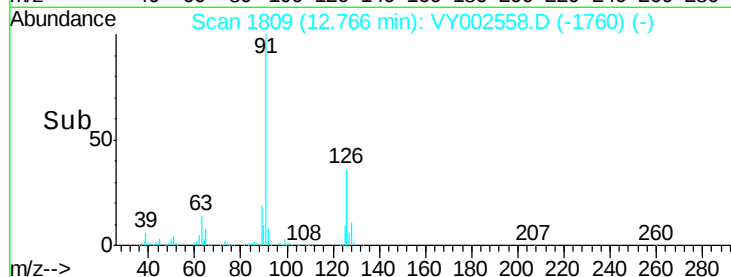
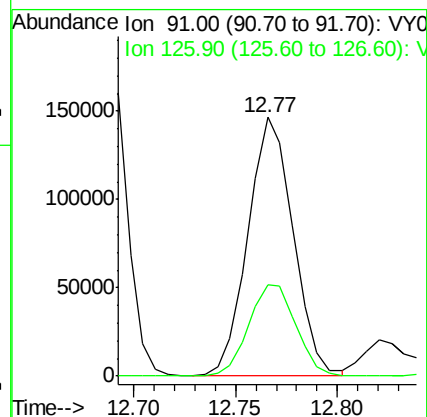
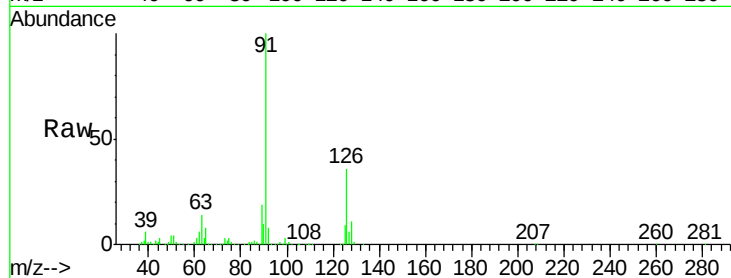
126 36.7 18.4 55.2

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:29:24 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.781 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002558.D

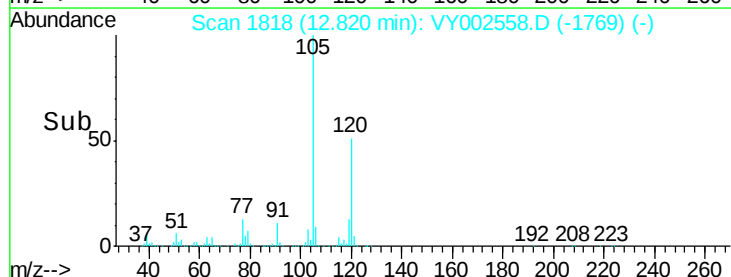
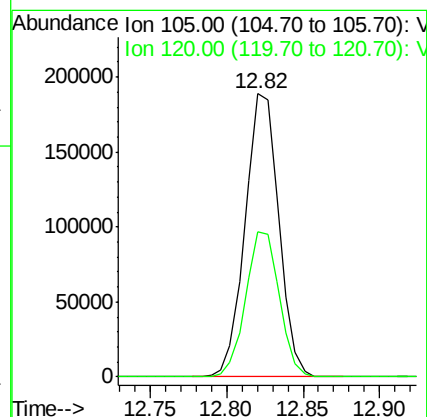
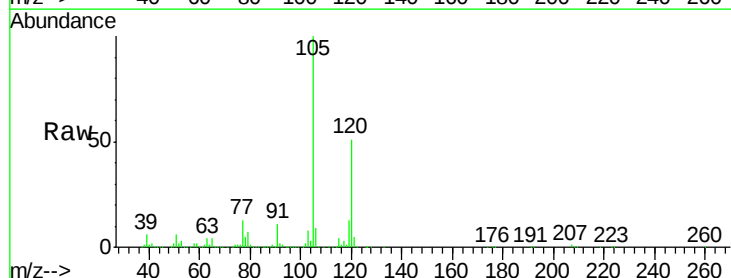
Acq: 04 May 2020 22:59

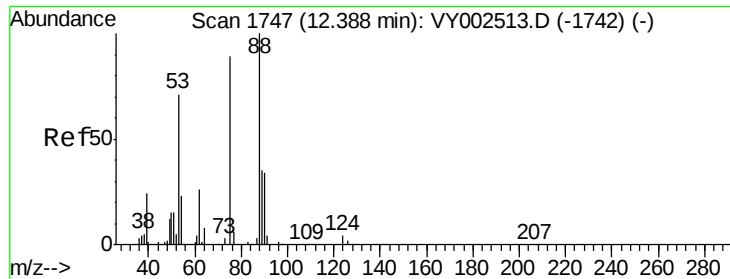
Tgt Ion: 105 Resp: 288005

Ion Ratio Lower Upper

105 100

120 51.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.948 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

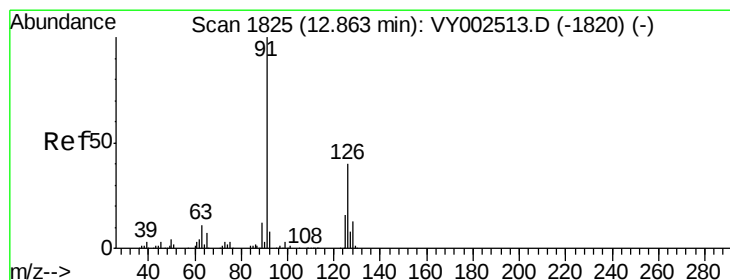
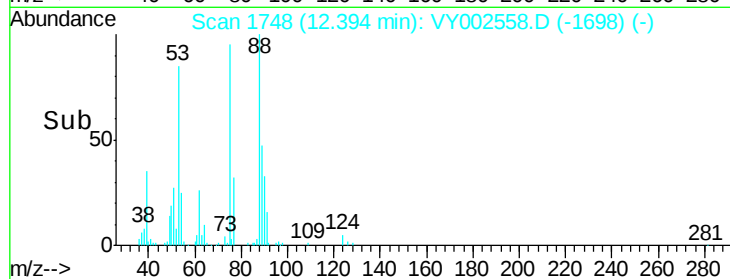
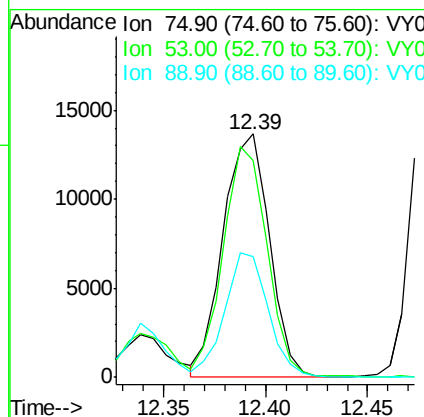
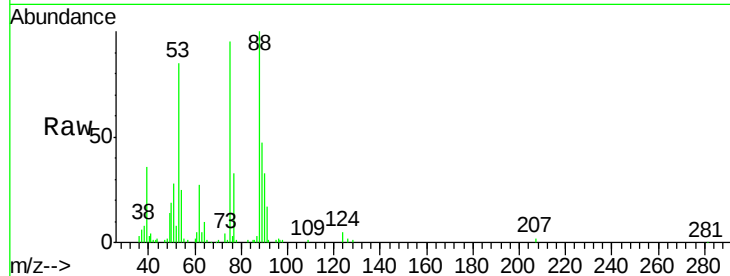
ClientSampleId :

VY0504SBS02

Tot Ion:	75	Resp:	21557
Ion Ratio	Lower	Upper	
75	100		
53	90.4	67.4	101.0
89	48.0	37.4	56.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#82

4-Chlorotoluene

Concen: 19.877 ug/l

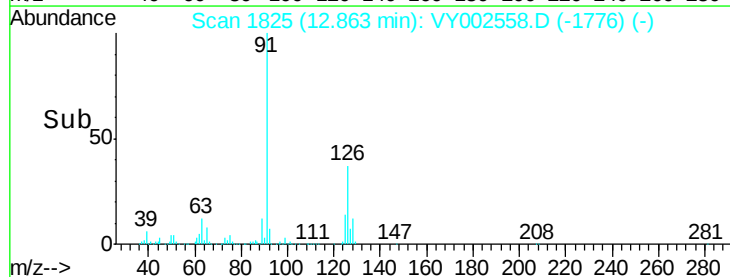
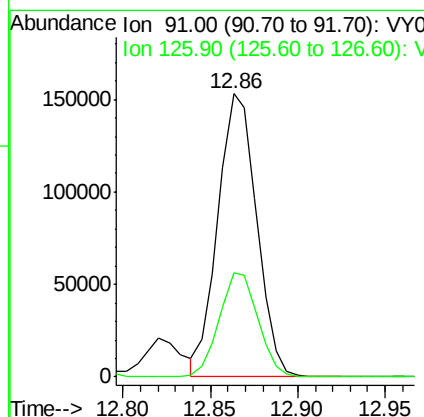
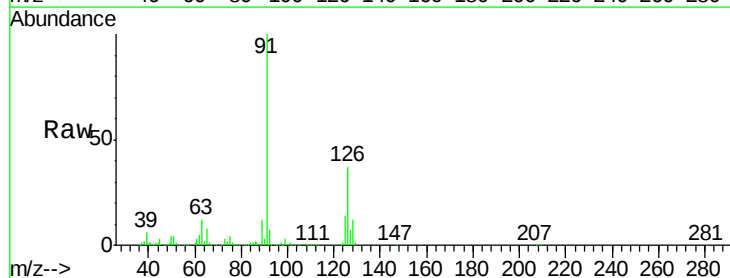
RT: 12.86 min Scan# 1825

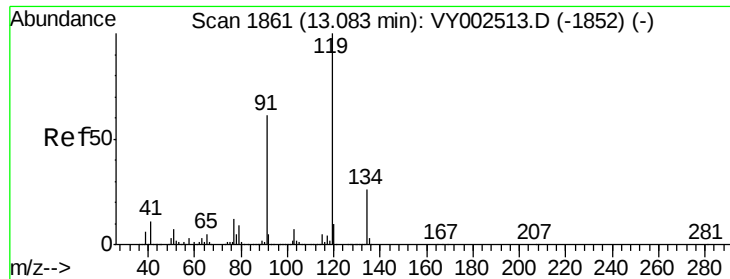
Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Tgt Ion:	91	Resp:	235740
Ion Ratio	Lower	Upper	
91	100		
126	36.9	18.5	55.5





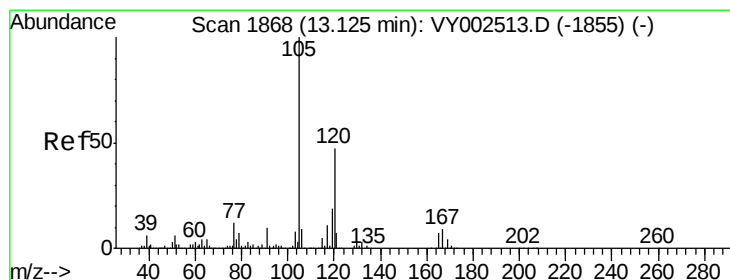
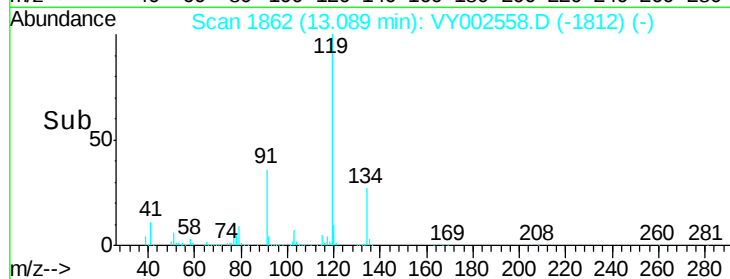
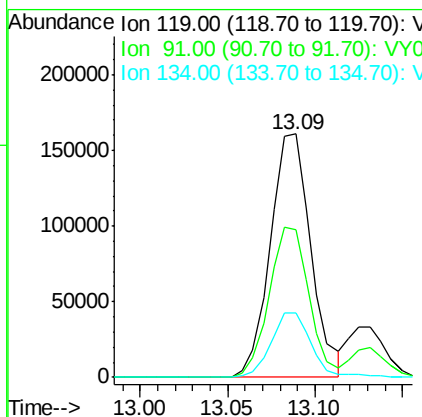
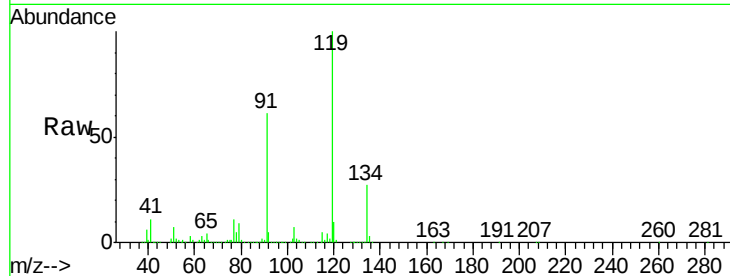
#83
tert-Butylbenzene
Concen: 20.437 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.6	91.6
134	26.5	13.5	40.4

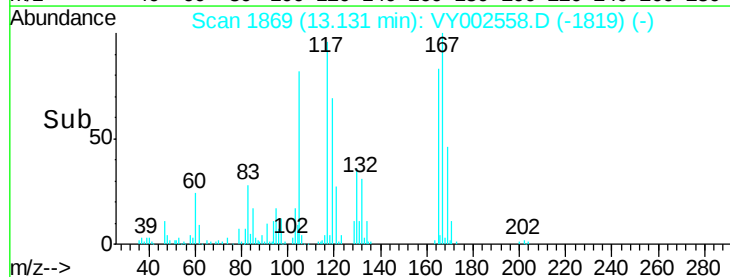
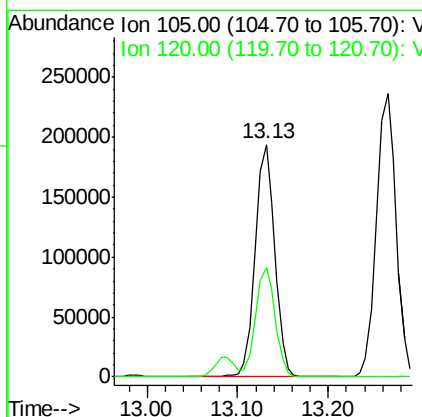
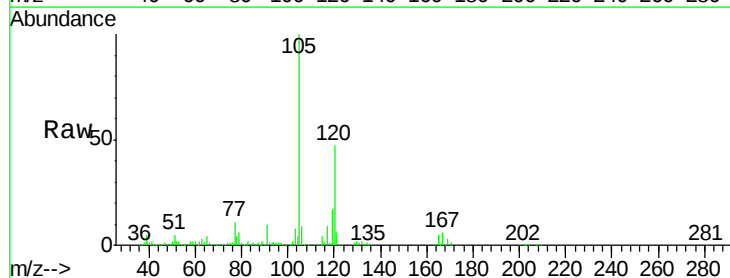
Manual Integrations
APPROVED

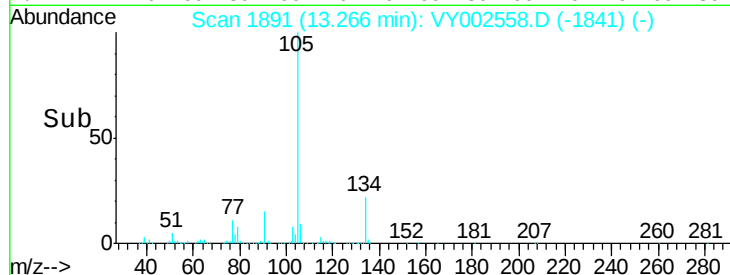
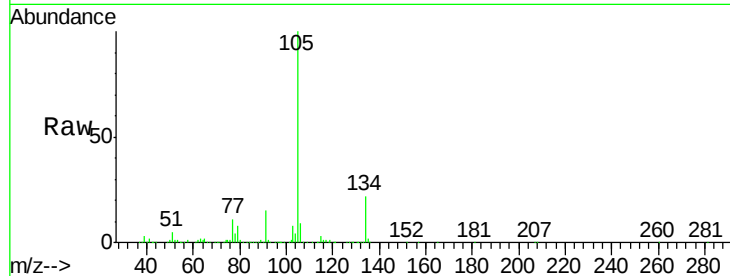
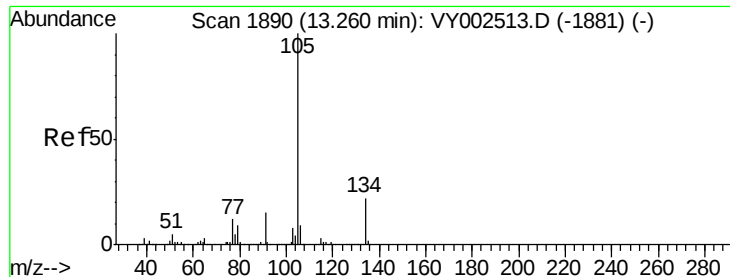
MMDadoda
5/5/2020 11:29:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.937 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.3





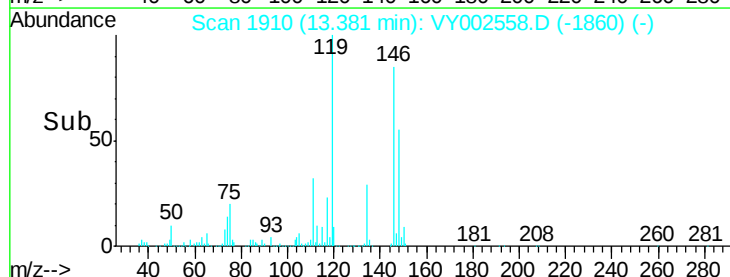
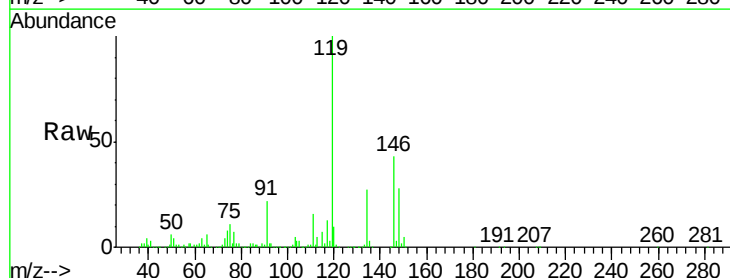
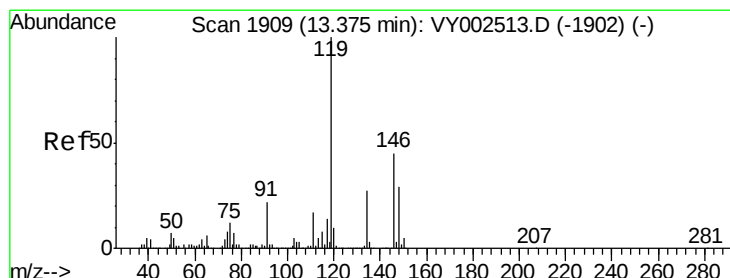
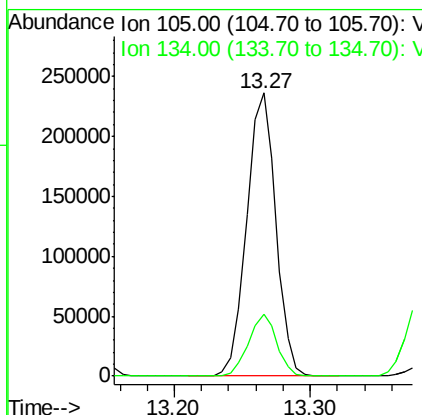
#85
 sec-Butylbenzene
 Concen: 20.035 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tot Ion	Ratio	Resp	Lower	Upper
105	100	354905		
134	21.2	10.8	32.3	

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0504SBS02

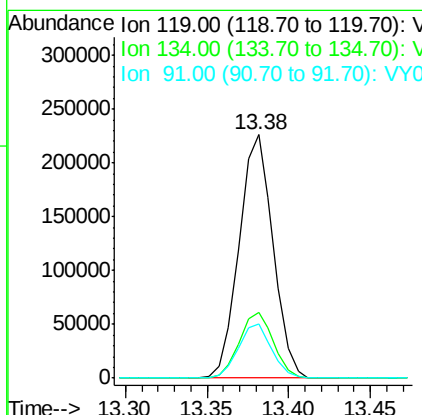
Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:24 AM



#86
 p-Isopropyltoluene
 Concen: 19.690 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	326822		
134	27.3	13.5	40.5	
91	21.9	10.9	32.9	





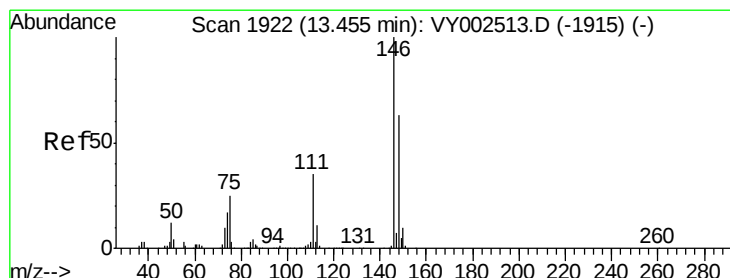
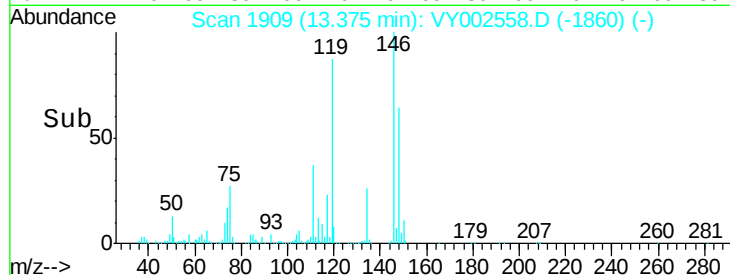
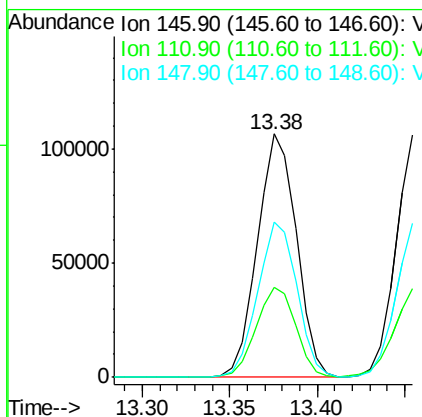
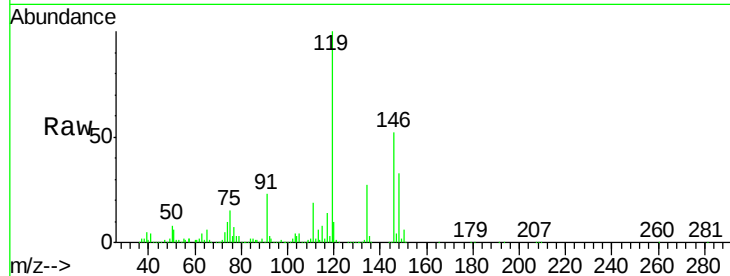
#87
 1,3-Dichlorobenzene
 Concen: 19.950 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165696		
111	37.6	18.8	56.3	
148	64.3	32.1	96.3	

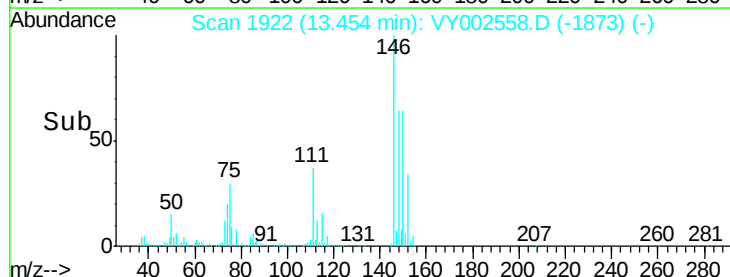
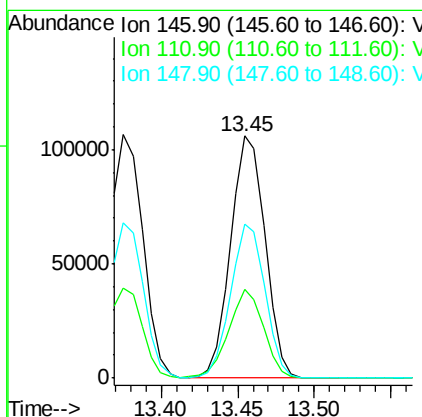
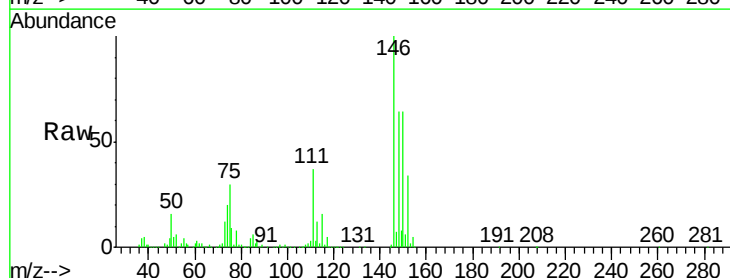
Manual Integrations
 APPROVED

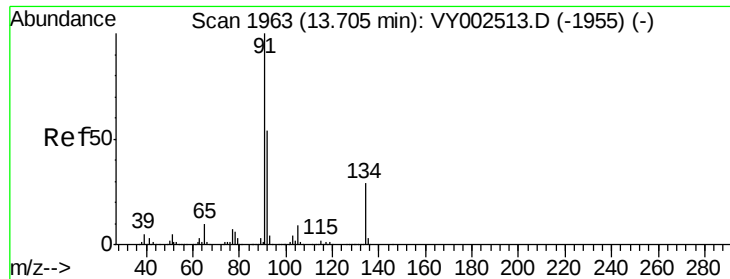
MMDadoda
 5/5/2020 11:29:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166074		
111	37.0	18.1	54.1	
148	63.4	31.9	95.5	





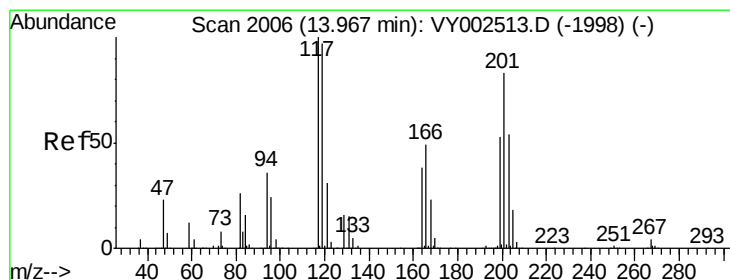
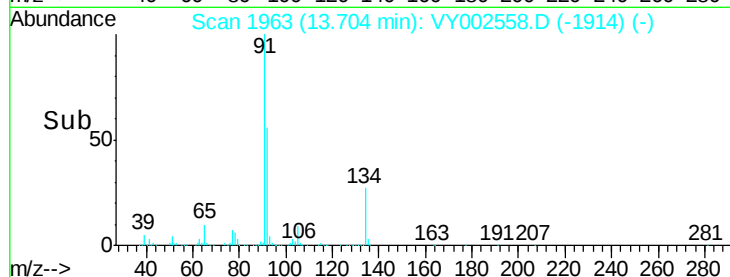
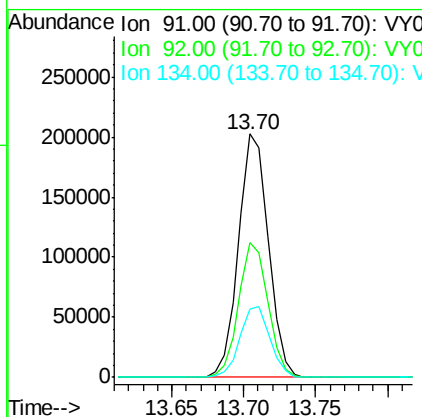
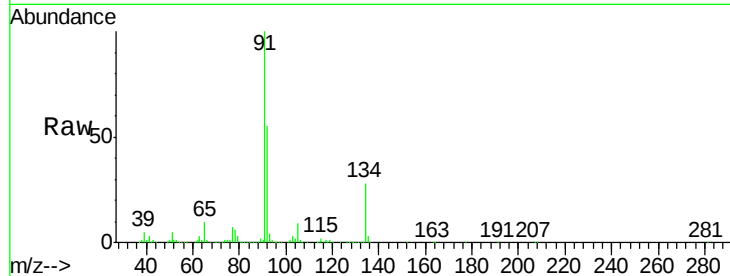
#89
n-Butylbenzene
Concen: 19.359 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.1	81.3	
134	28.9	14.4	43.0	

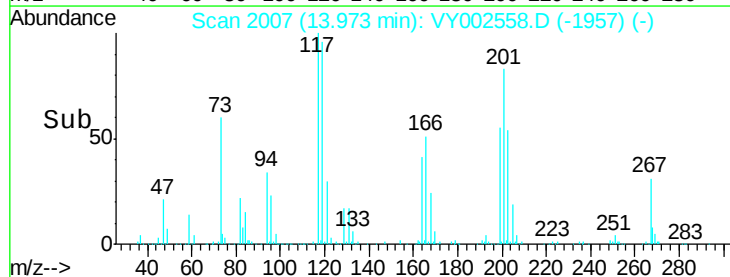
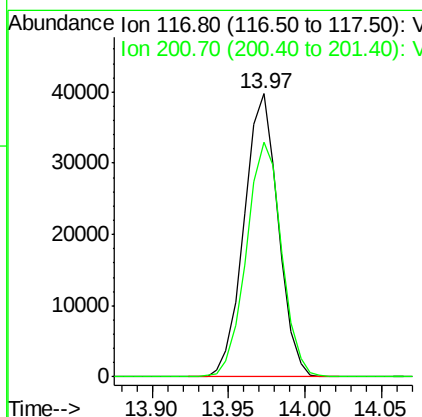
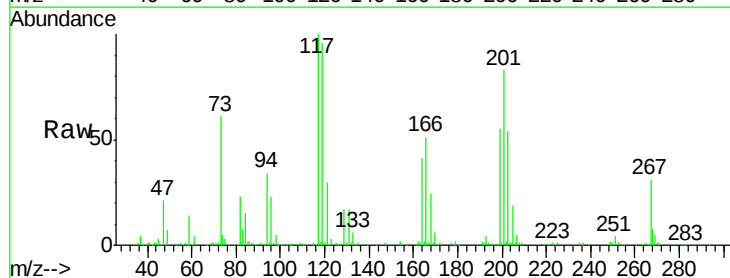
Manual Integrations
APPROVED

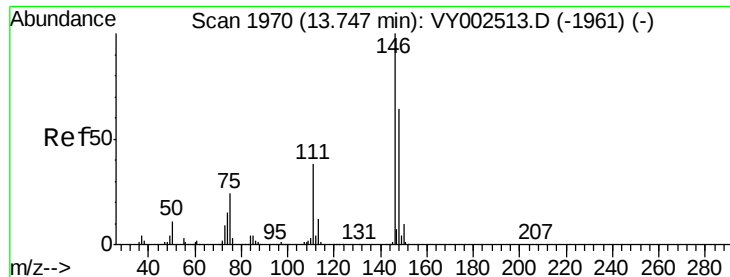
MMDadoda
5/5/2020 11:29:24 AM



#90
Hexachloroethane
Concen: 20.389 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.8	44.4	133.2	





#91

1,2-Dichlorobenzene

Concen: 20.213 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002558.D

Acq: 04 May 2020 22:59

Instrument :

MSVOA_Y

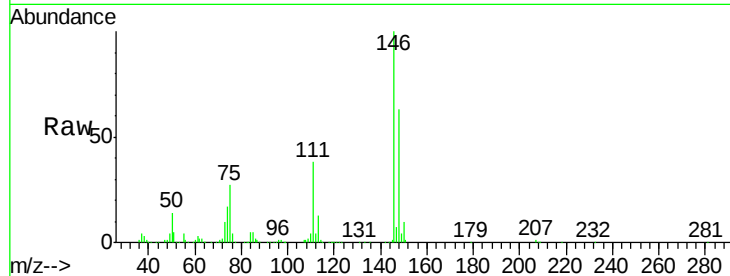
ClientSampleId :

VY0504SBSD02

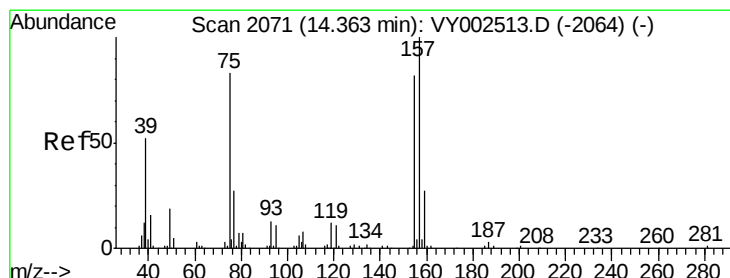
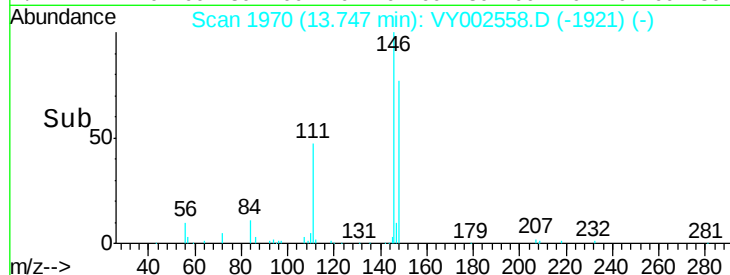
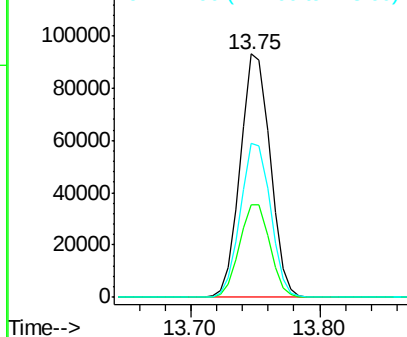
Tot Ion:	146	Resp:	149801
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.5
148	63.7	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.739 ug/l

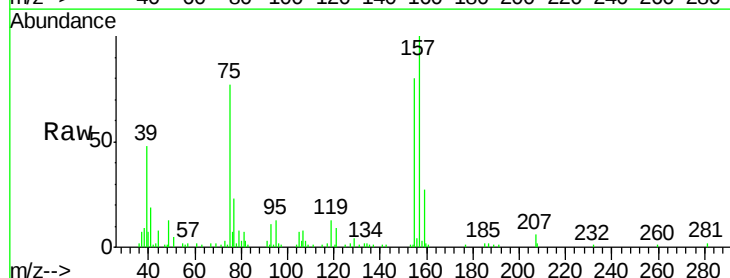
RT: 14.37 min Scan# 2072

Delta R.T. 0.01 min

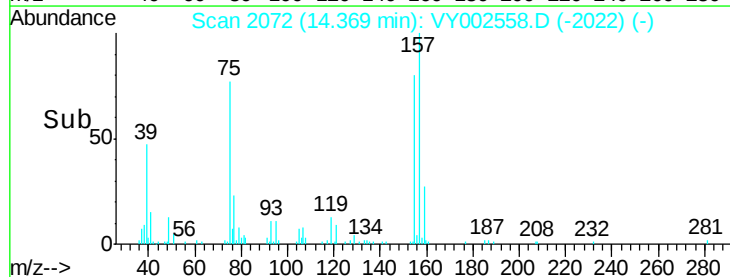
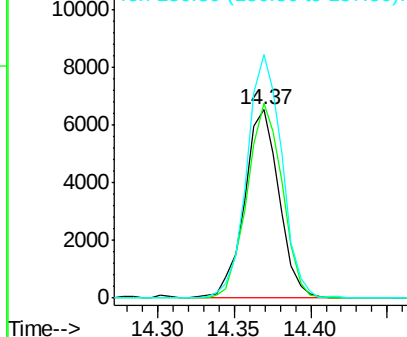
Lab File: VY002558.D

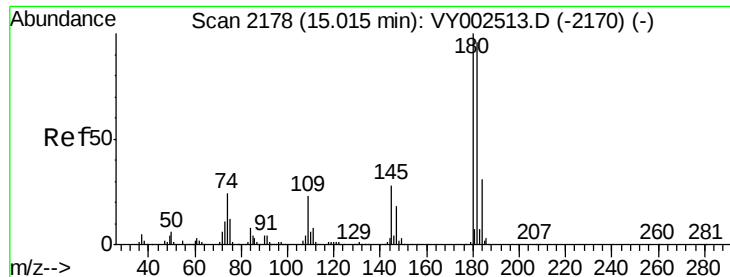
Acq: 04 May 2020 22:59

Tgt Ion:	75	Resp:	10278
Ion Ratio	Lower	Upper	
75	100		
155	104.6	51.3	153.9
157	130.3	65.0	195.0



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





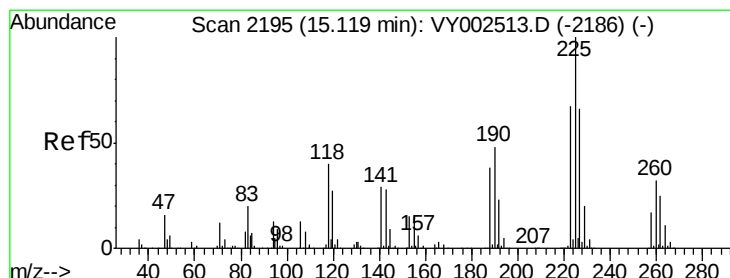
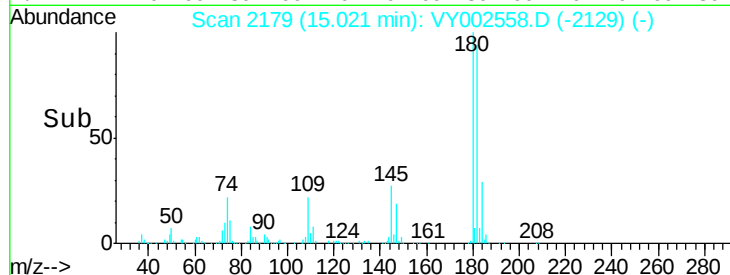
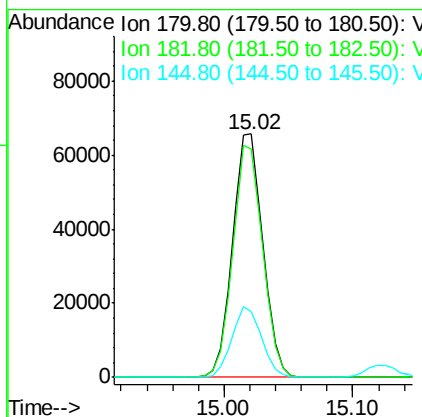
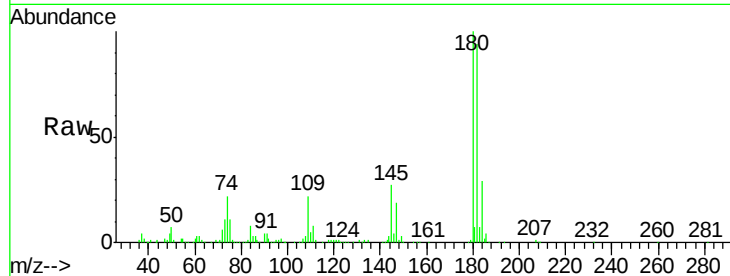
#93
 1,2,4-Trichlorobenzene
 Concen: 19.910 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107124		
182	94.5	47.9	143.6	
145	28.7	14.4	43.0	

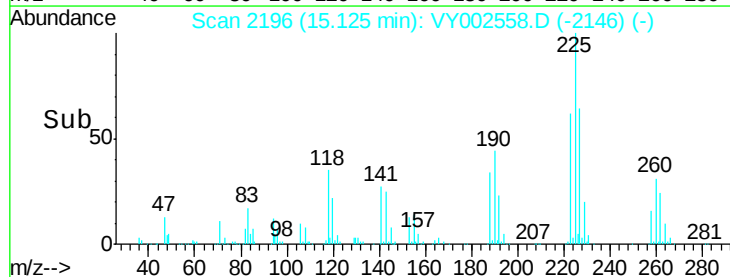
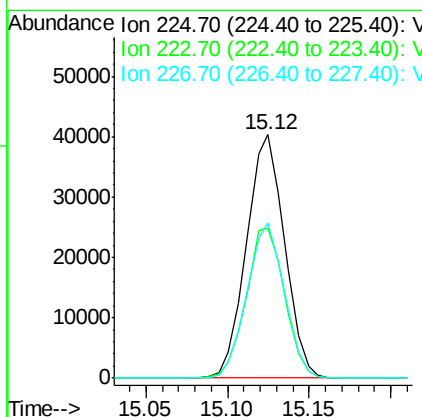
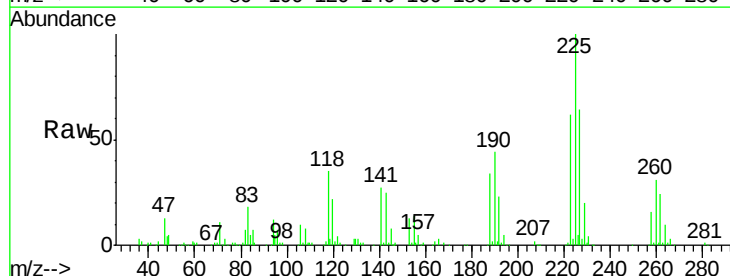
Manual Integrations
 APPROVED

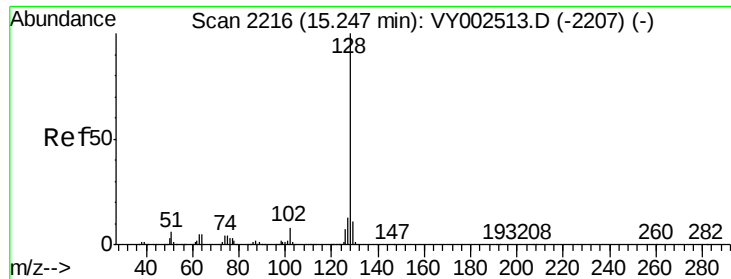
MMDadoda
 5/5/2020 11:29:24 AM



#94
 Hexachlorobutadiene
 Concen: 20.274 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002558.D
 Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65479		
223	62.2	32.1	96.5	
227	62.6	32.0	96.2	





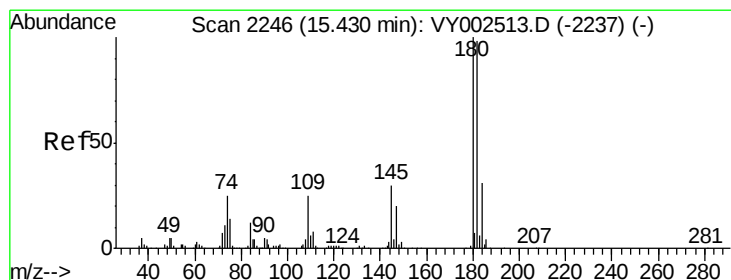
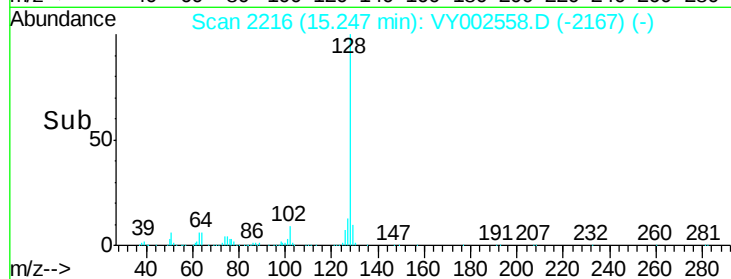
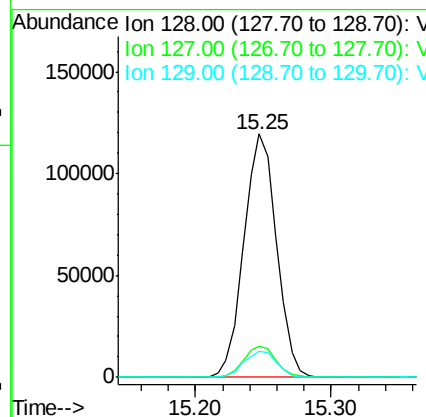
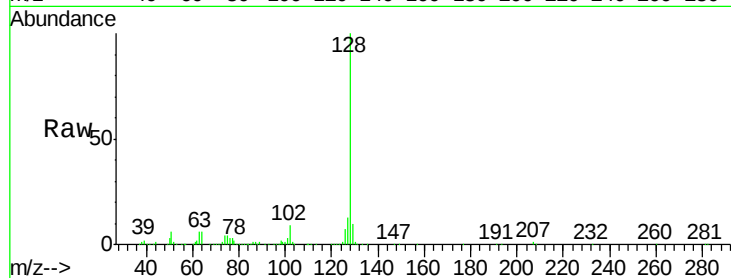
#95
Naphthalene
Concen: 20.446 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200680		
127	13.0		10.5	15.7
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.889 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002558.D
Acq: 04 May 2020 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90845		
182	98.3		47.9	143.8
145	30.8		15.0	45.1

