

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002229.D
 Acq On : 06 Apr 2020 12:18
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:25 PM

Quant Time: Apr 07 04:55:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	164807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	298405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	269025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	124956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90547	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
35) Dibromofluoromethane	7.74	113	86184	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.19	98	346908	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.48	95	122947	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31772	26.373	ug/l	98
3) Chloromethane	2.12	50	40223	20.884	ug/l	98
4) Vinyl Chloride	2.26	62	40222	20.534	ug/l	97
5) Bromomethane	2.66	94	26351	20.614	ug/l	96
6) Chloroethane	2.80	64	25416	20.207	ug/l	93
7) Trichlorofluoromethane	3.14	101	59228	22.065	ug/l	98
8) Diethyl Ether	3.54	74	24387	21.450	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	37923	21.533	ug/l	99
10) Methyl Iodide	4.11	142	41307	19.725	ug/l	99
11) Tert butyl alcohol	4.97	59	26101	121.570	ug/l #	92
12) 1,1-Dichloroethene	3.89	96	38591	21.580	ug/l	95
13) Acrolein	3.75	56	21937	81.750	ug/l	98
14) Allyl chloride	4.50	41	65174	19.908	ug/l	98
15) Acrylonitrile	5.19	53	63898	107.229	ug/l	99
16) Acetone	3.97	43	49277	96.270	ug/l	98
17) Carbon Disulfide	4.21	76	122555	20.650	ug/l	98
18) Methyl Acetate	4.50	43	28315	21.303	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	106695	21.387	ug/l	95
20) Methylene Chloride	4.74	84	46211	18.588	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	43009	21.123	ug/l	97
22) Diisopropyl ether	6.14	45	137092	20.462	ug/l	95
23) Vinyl Acetate	6.08	43	449239	102.257	ug/l	97
24) 1,1-Dichloroethane	6.04	63	74555	20.930	ug/l	99
25) 2-Butanone	7.00	43	79094	100.633	ug/l	97
26) 2,2-Dichloropropane	7.00	77	60968	20.781	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	47435	21.176	ug/l	98
28) Bromochloromethane	7.35	49	31612	19.439	ug/l	97
29) Tetrahydrofuran	7.36	42	52996	102.844	ug/l	97
30) Chloroform	7.52	83	70249	20.806	ug/l	99
31) Cyclohexane	7.80	56	75608	19.919	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	58129	20.620	ug/l	99
36) 1,1-Dichloropropene	7.93	75	58444	20.707	ug/l	99
37) Ethyl Acetate	7.10	43	36568	21.439	ug/l	99
38) Carbon Tetrachloride	7.91	117	50459	21.071	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002229.D
 Acq On : 06 Apr 2020 12:18
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:25 PM

Quant Time: Apr 07 04:55:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	77031	20.806	ug/l	98
40) Benzene	8.17	78	174015	20.814	ug/l	99
41) Methacrylonitrile	7.35	41	21102m	24.459	ug/l	
42) 1,2-Dichloroethane	8.25	62	45433	20.468	ug/l	98
43) Isopropyl Acetate	8.28	43	64099	20.248	ug/l	99
44) Trichloroethene	8.96	130	42357	21.017	ug/l	98
45) 1,2-Dichloropropane	9.23	63	44900	21.092	ug/l	98
46) Dibromomethane	9.31	93	22933	20.977	ug/l	98
47) Bromodichloromethane	9.51	83	53436	20.996	ug/l	96
48) Methyl methacrylate	9.30	41	29748	20.969	ug/l	98
49) 1,4-Dioxane	9.31	88	6261	417.340	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	172183	105.627	ug/l	99
52) Toluene	10.25	92	106156	20.993	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	58489	20.705	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	68547	20.610	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33949	20.981	ug/l	92
56) Ethyl methacrylate	10.52	69	48553	20.544	ug/l	97
57) 1,3-Dichloropropane	10.80	76	59173	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	129201	106.394	ug/l	100
59) 2-Hexanone	10.84	43	116879	101.787	ug/l	98
60) Dibromochloromethane	10.99	129	35670	21.067	ug/l	97
61) 1,2-Dibromoethane	11.09	107	32028	21.148	ug/l	99
64) Tetrachloroethene	10.72	164	36098	21.931	ug/l	96
65) Chlorobenzene	11.52	112	108570	20.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	37157	21.387	ug/l	99
67) Ethyl Benzene	11.59	91	202592	21.005	ug/l	99
68) m/p-Xylenes	11.70	106	150880	42.310	ug/l	99
69) o-Xylene	12.03	106	70909	20.962	ug/l	97
70) Styrene	12.05	104	124334	21.211	ug/l	99
71) Bromoform	12.21	173	19759	20.765	ug/l	# 96
73) Isopropylbenzene	12.33	105	190492	20.551	ug/l	99
74) N-amyl acetate	12.15	43	57399	19.634	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41817	20.965	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	33814m	24.192	ug/l	
77) Bromobenzene	12.61	156	42056	21.254	ug/l	96
78) n-propylbenzene	12.67	91	234635	20.398	ug/l	99
79) 2-Chlorotoluene	12.76	91	129121	20.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	158336	20.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14321	19.850	ug/l	92
82) 4-Chlorotoluene	12.86	91	135186	20.312	ug/l	99
83) tert-Butylbenzene	13.08	119	130553	20.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	158998	20.838	ug/l	100
85) sec-Butylbenzene	13.26	105	195028	20.627	ug/l	100
86) p-Isopropyltoluene	13.37	119	168282	20.726	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	80353	20.758	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	81159	20.835	ug/l	99
89) n-Butylbenzene	13.70	91	170637	20.170	ug/l	99
90) Hexachloroethane	13.97	117	32543	21.270	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	74707	20.898	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6616	20.707	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002229.D
Acq On : 06 Apr 2020 12:18
Operator : SY/MD
Sample : VY0406SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBSD01

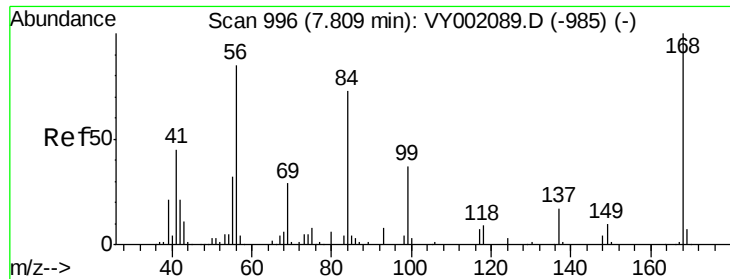
Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM

Quant Time: Apr 07 04:55:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	47884	20.782	ug/l	97
94) Hexachlorobutadiene	15.11	225	23045	20.262	ug/l	100
95) Naphthalene	15.24	128	111690	20.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41189	19.713	ug/l	96

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



#1

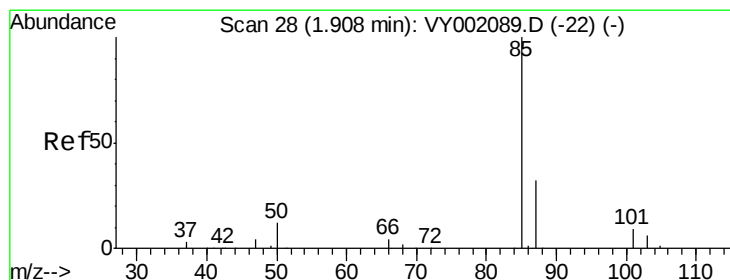
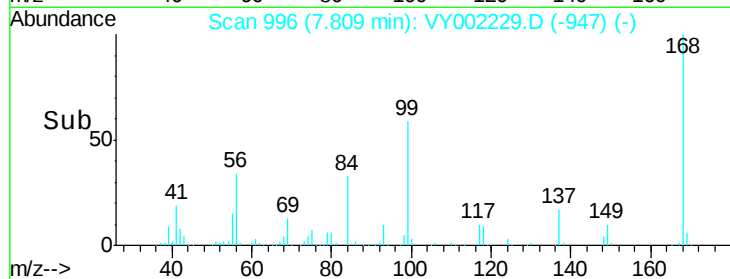
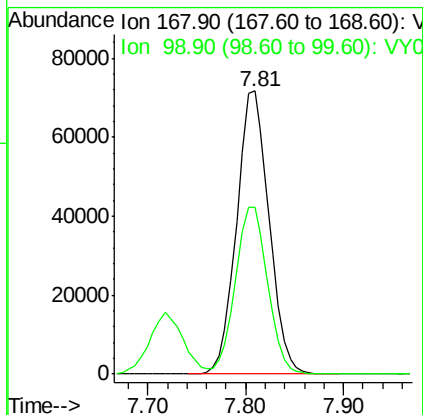
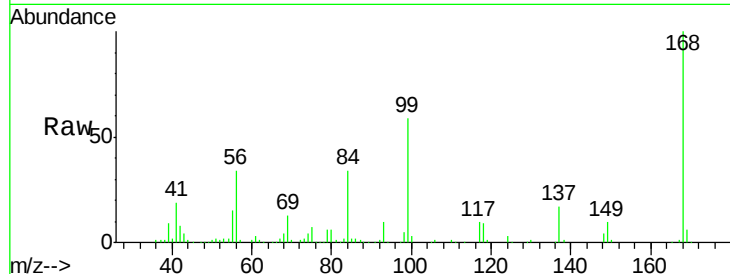
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.8	47.6	71.4

Manual Integrations
 APPROVED

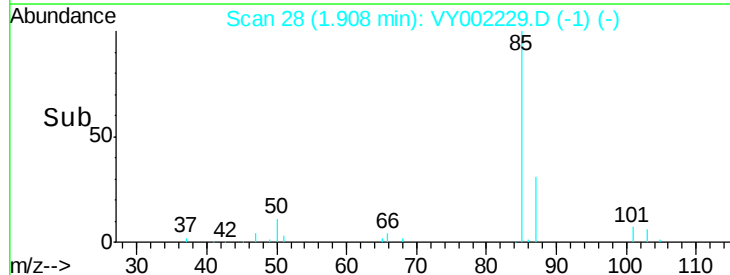
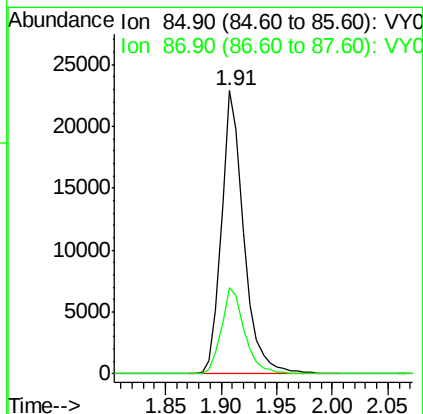
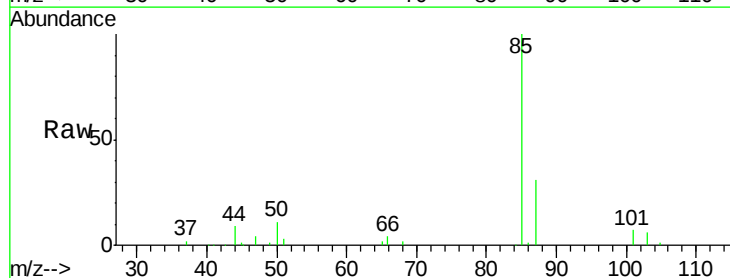
MMDadoda
 4/7/2020 7:06:25 PM

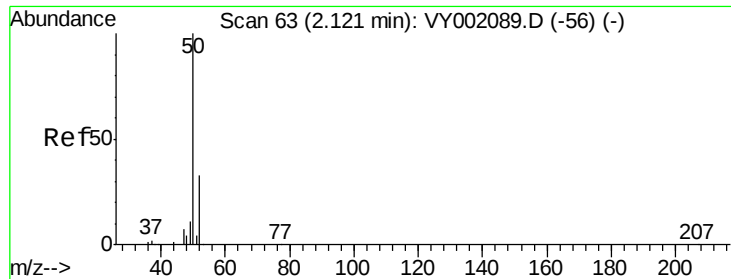


#2

Dichlorodifluoromethane
 Concen: 26.373 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.7	16.0	48.0





#3

Chloromethane

Concen: 20.884 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 50 Resp: 40223

Ion Ratio Lower Upper

50 100

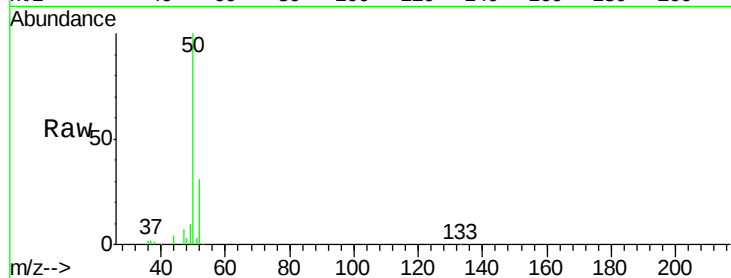
52 31.3 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:25 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

30000

25000

20000

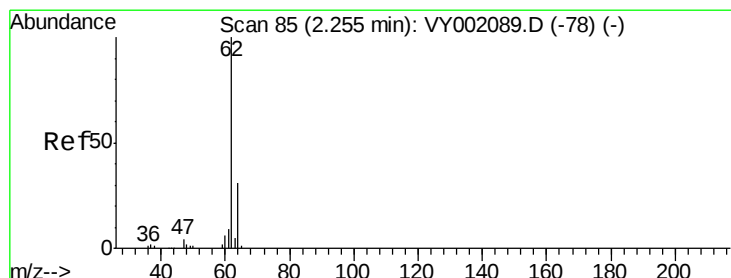
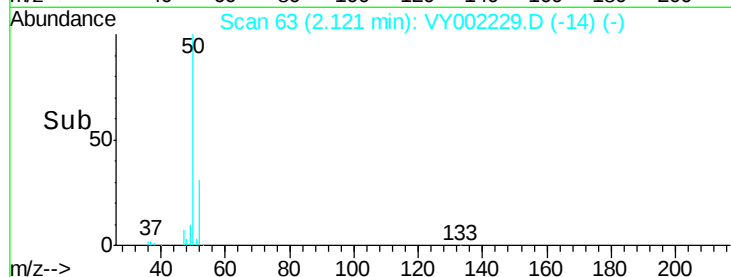
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 20.534 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002229.D

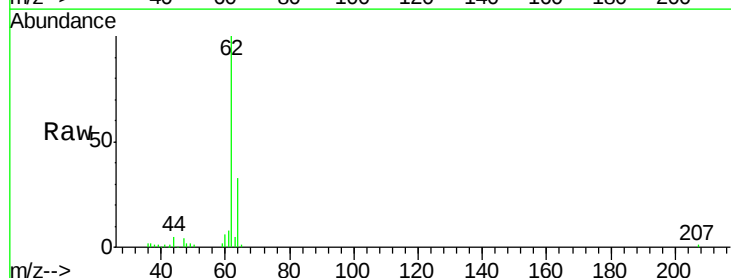
Acq: 06 Apr 2020 12:18

Tgt Ion: 62 Resp: 40222

Ion Ratio Lower Upper

62 100

64 32.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

25000

20000

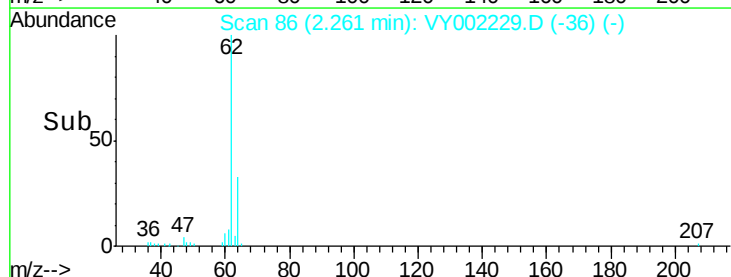
15000

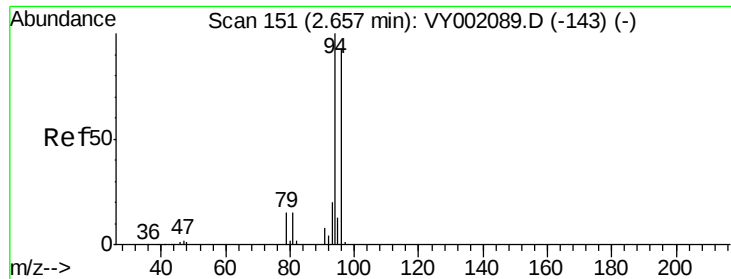
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.614 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 94 Resp: 26351

Ion Ratio Lower Upper

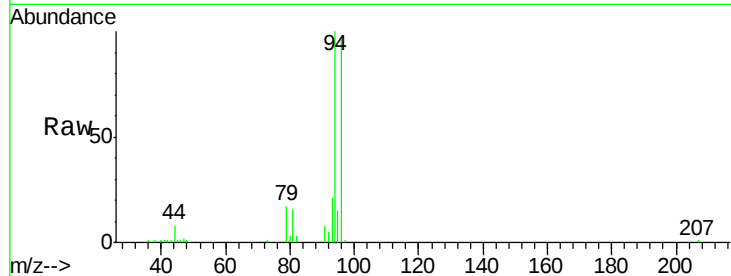
94 100

96 96.7 74.1 111.1

Manual Integrations
APPROVED

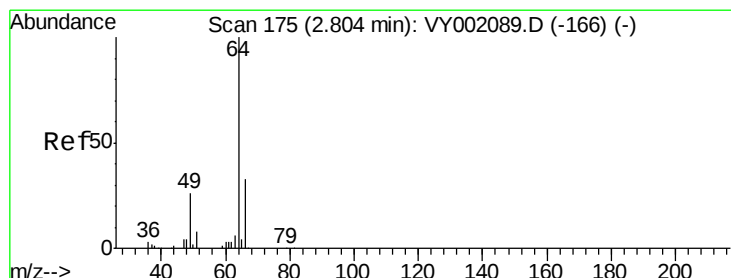
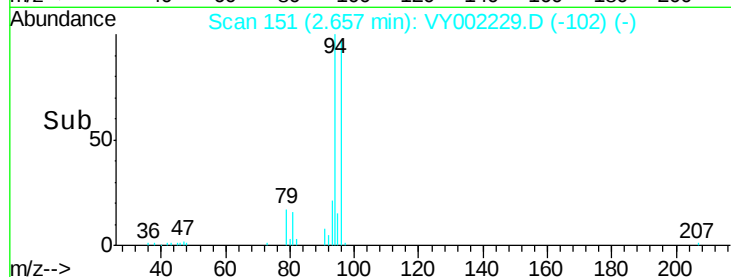
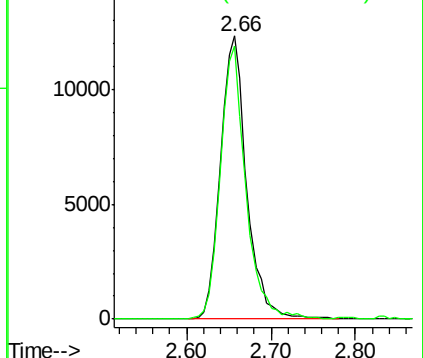
MMDadoda

4/7/2020 7:06:25 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.207 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002229.D

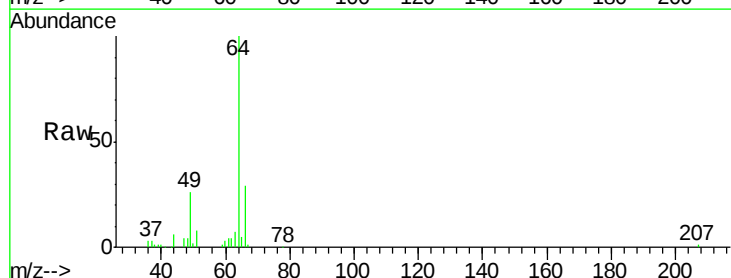
Acq: 06 Apr 2020 12:18

Tgt Ion: 64 Resp: 25416

Ion Ratio Lower Upper

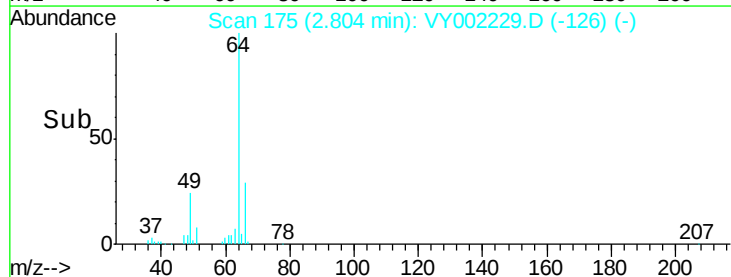
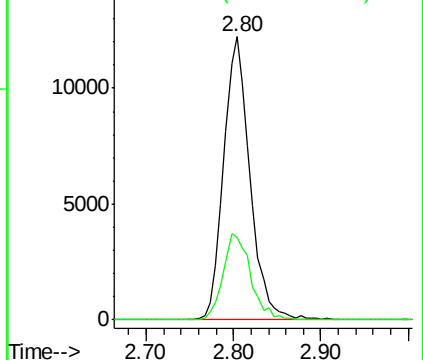
64 100

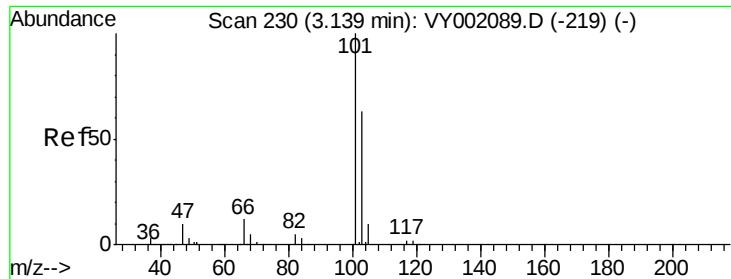
66 29.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

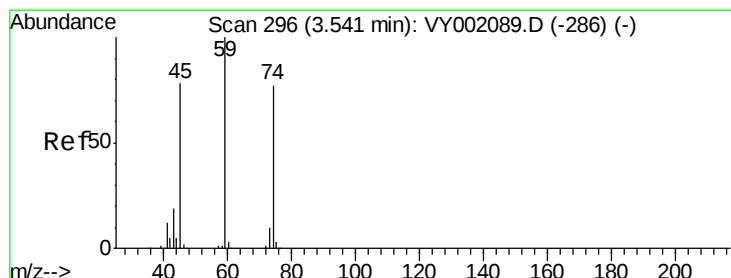
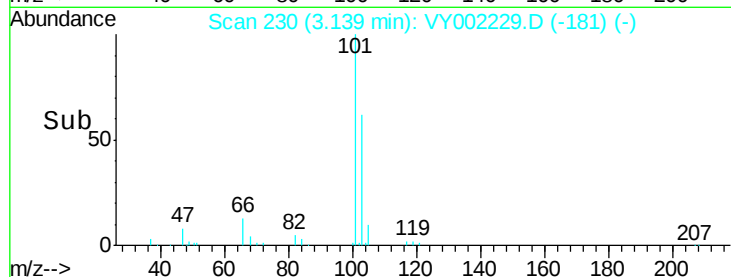
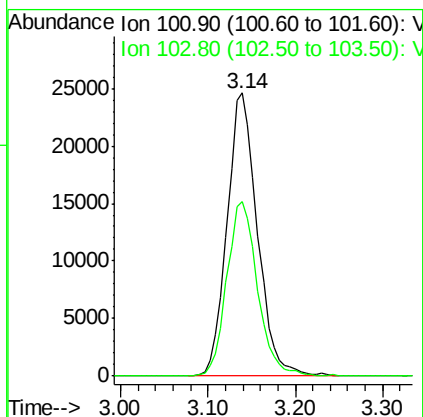
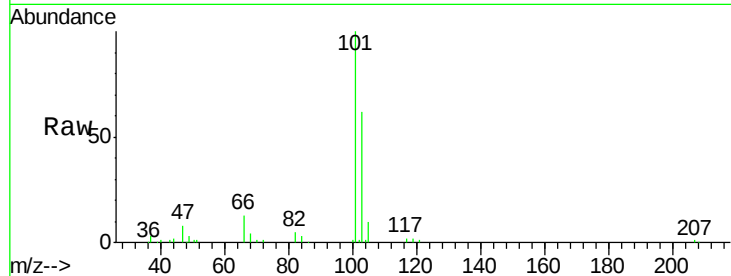
Trichlorofluoromethane
 Concen: 22.065 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.6	76.0

Manual Integrations
 APPROVED

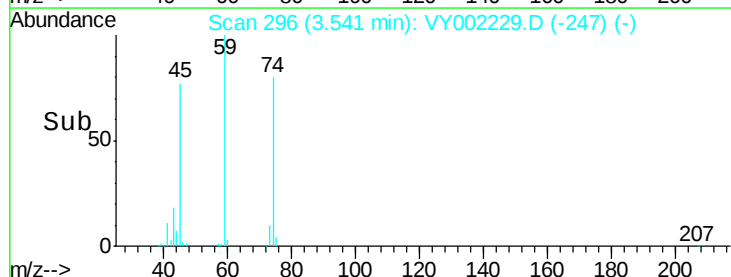
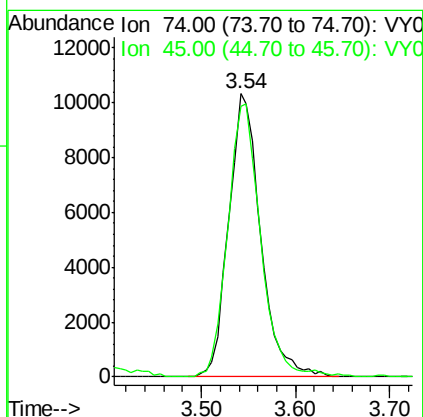
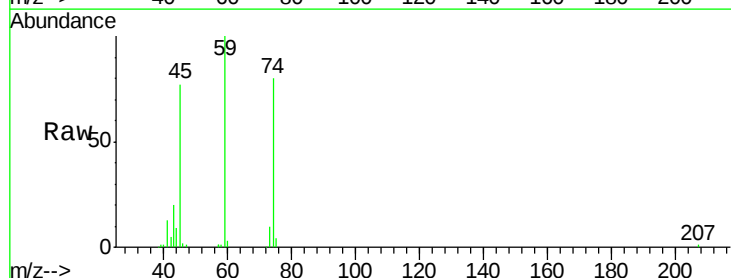
MMDadoda
 4/7/2020 7:06:25 PM

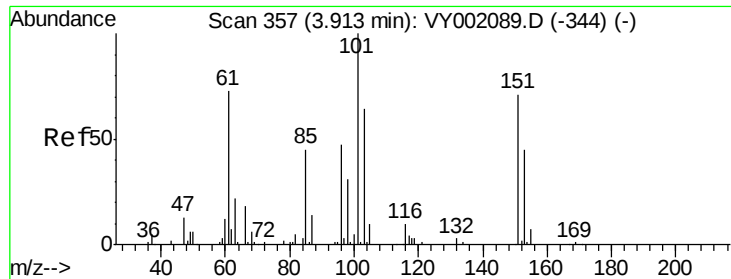


#8

Diethyl Ether
 Concen: 21.450 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.533 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

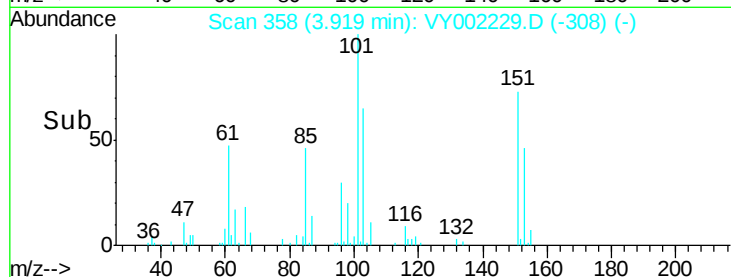
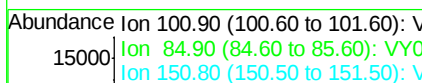
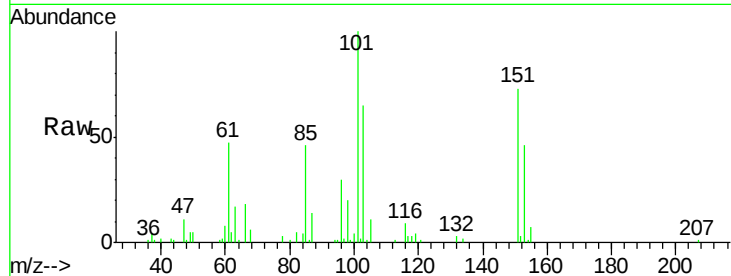
ClientSampleId :

VY0406SBS01

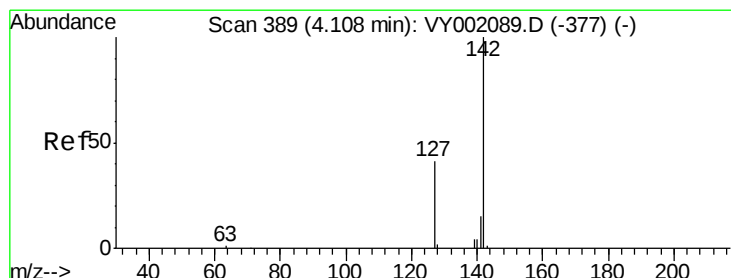
Tot Ion:	101	Resp:	37923
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.9	53.9
151	71.8	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM



Time-->



#10

Methyl Iodide

Concen: 19.725 ug/l

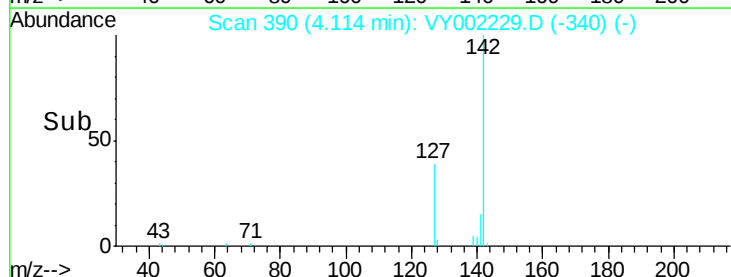
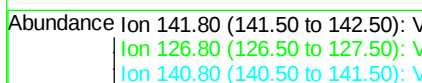
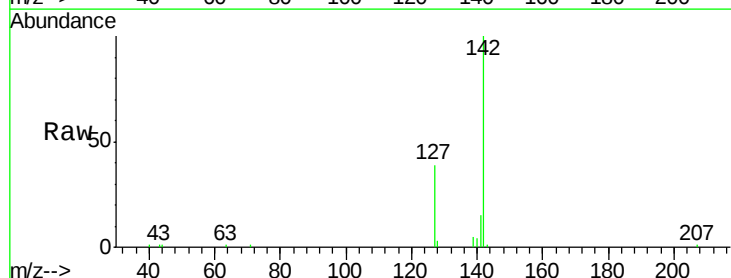
RT: 4.11 min Scan# 390

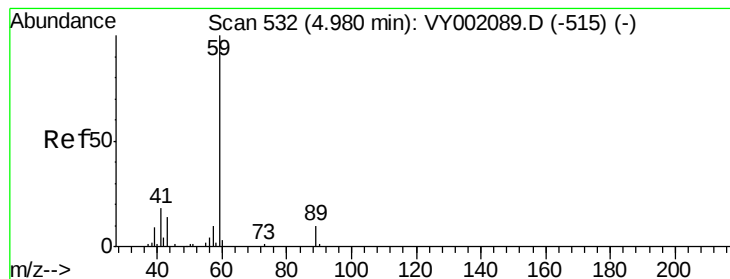
Delta R.T. 0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Tgt Ion:	142	Resp:	41307
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.6	49.0
141	14.9	11.4	17.0





#11

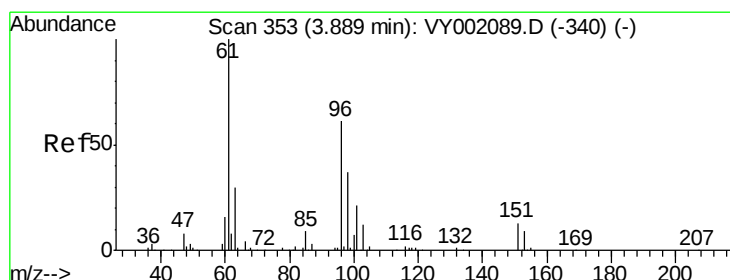
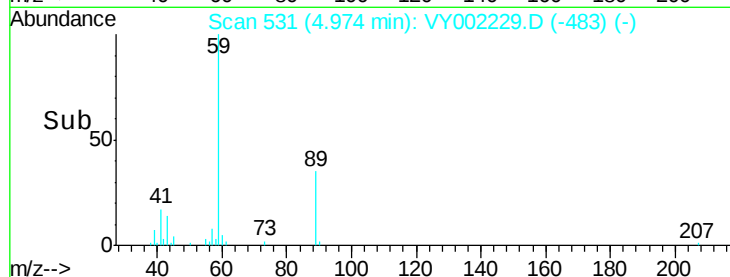
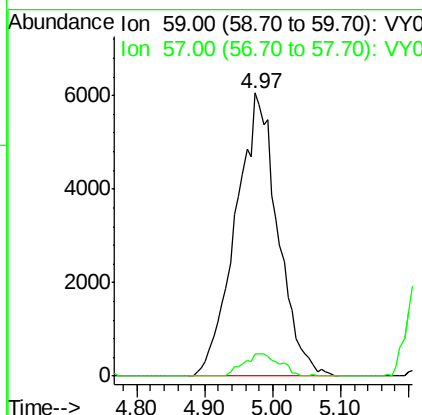
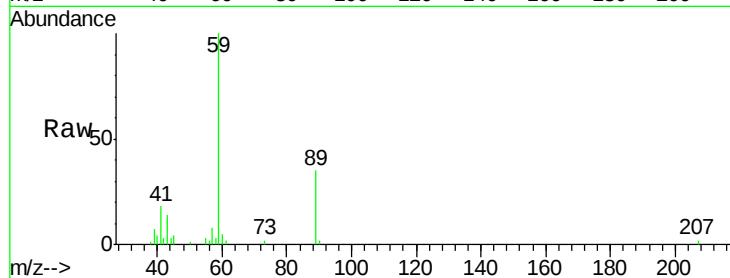
Tert butyl alcohol
 Concen: 121.570 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	7.7	11.5#

Manual Integrations
 APPROVED

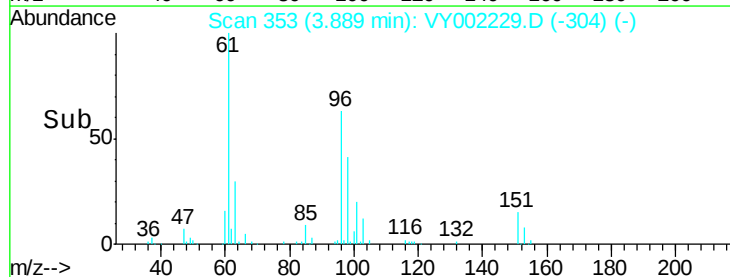
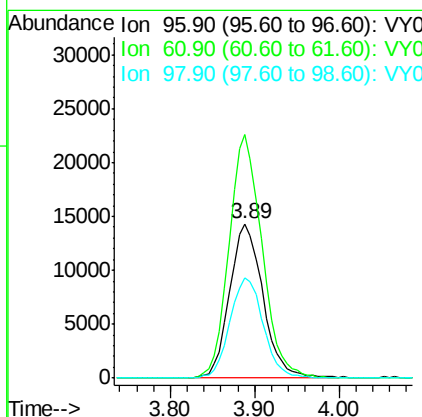
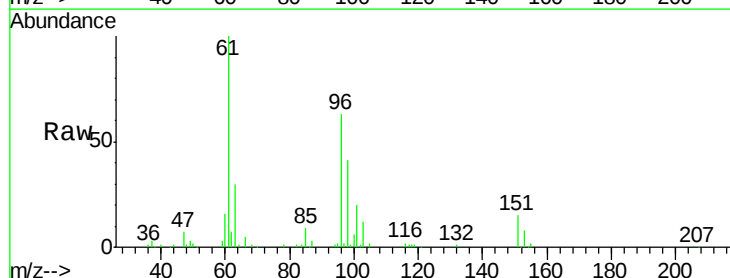
MMDadoda
 4/7/2020 7:06:25 PM

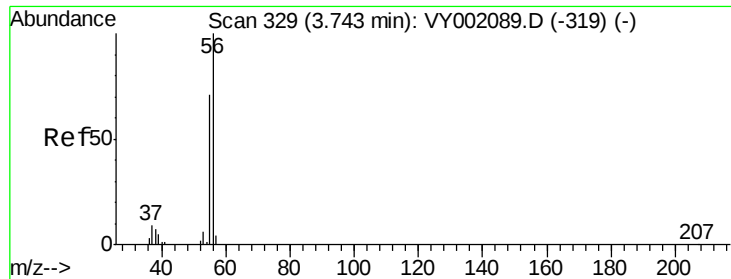


#12

1,1-Dichloroethene
 Concen: 21.580 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	132.0	198.0
98	64.9	49.4	74.0





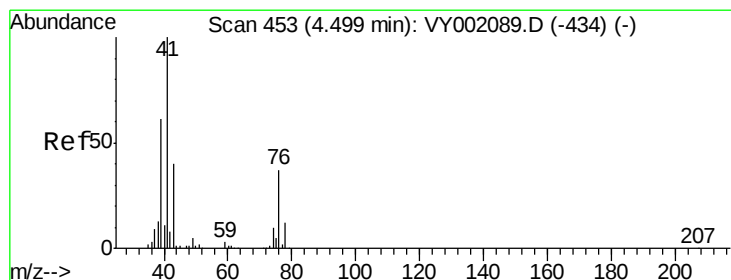
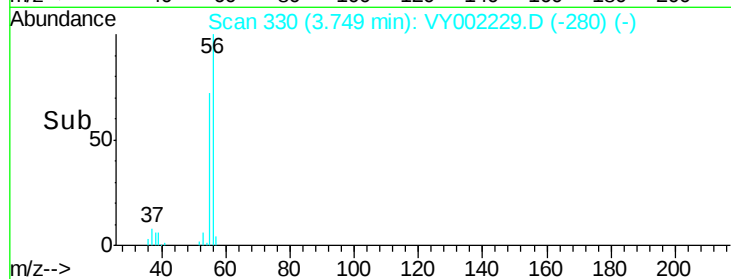
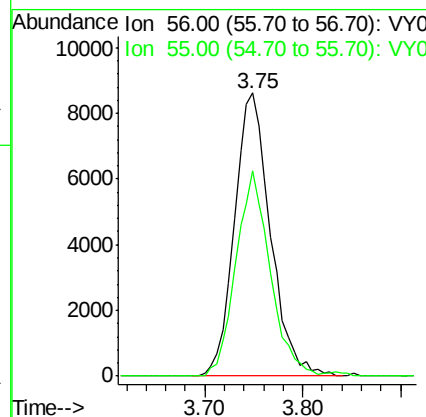
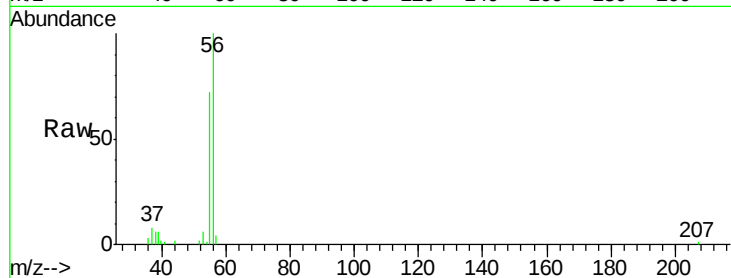
#13
 Acrolein
 Concen: 81.750 ug/l
 RT: 3.75 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	56	55	Ratio	100	68.9	Resp	21937	Lower	56.5	Upper	84.7
Ion											

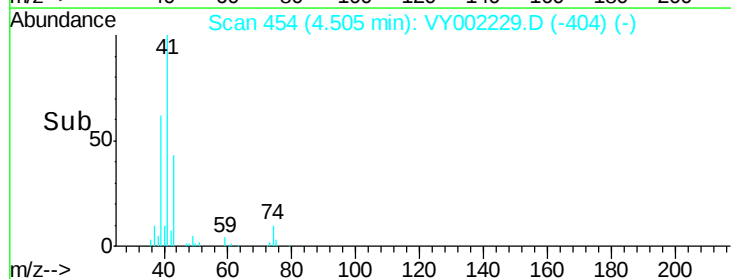
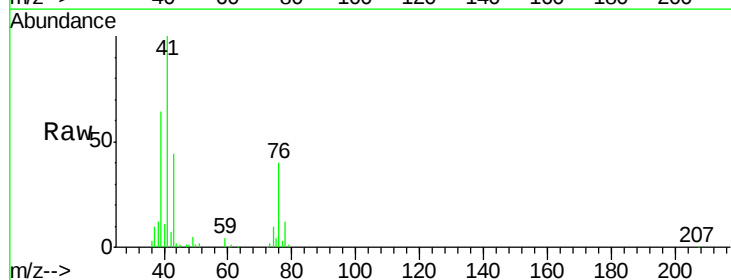
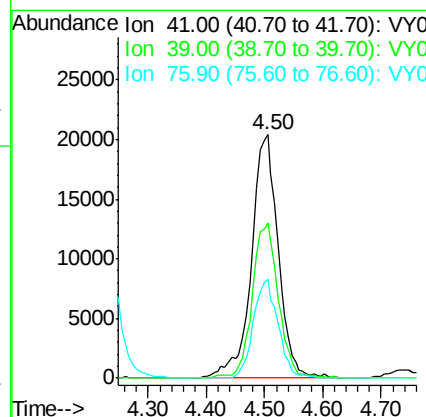
Manual Integrations
 APPROVED

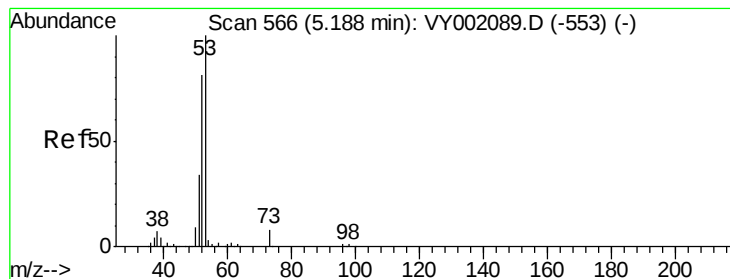
MMDadoda
 4/7/2020 7:06:25 PM



#14
 Allyl chloride
 Concen: 19.908 ug/l
 RT: 4.50 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	41	39	76	Ratio	100	62.2	37.1	Resp	65174	Lower	49.0	27.8	Upper	73.4	41.8
Ion															





#15

Acrylonitrile

Concen: 107.229 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

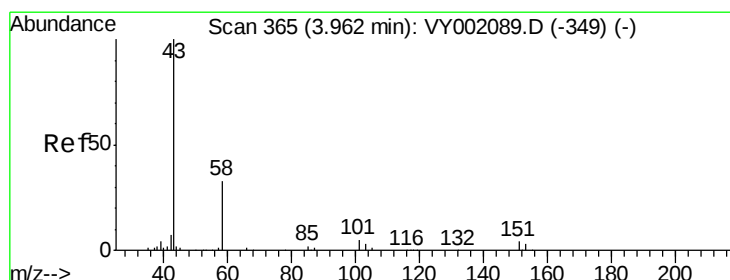
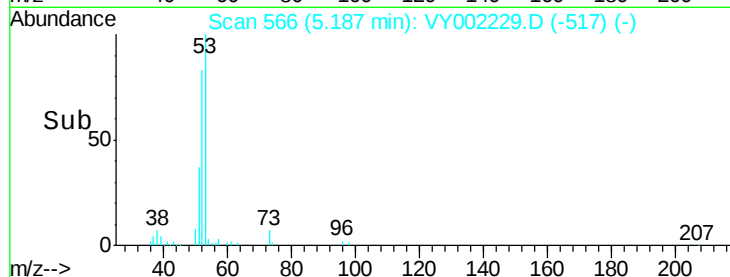
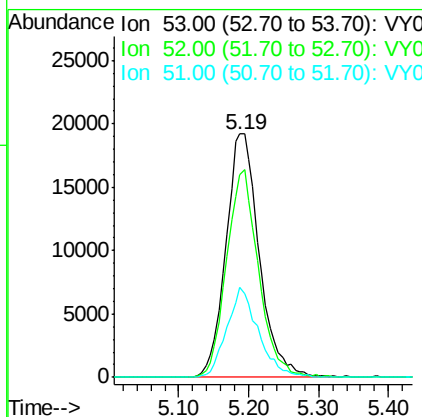
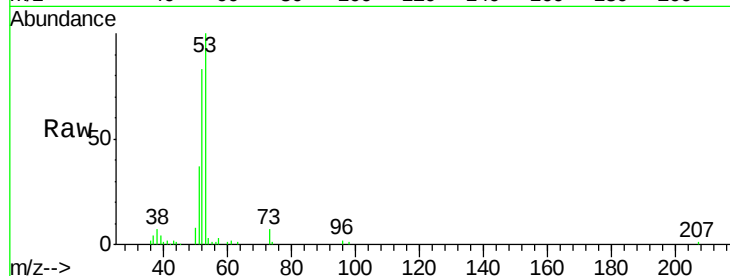
ClientSampleId :

VY0406SBS01

Tot Ion:	53	Resp:	63898
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.6	97.0
51	34.9	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM



#16

Acetone

Concen: 96.270 ug/l

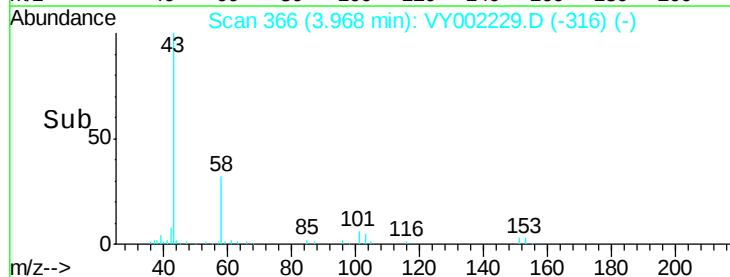
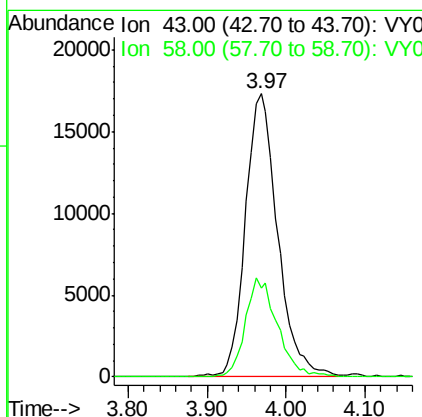
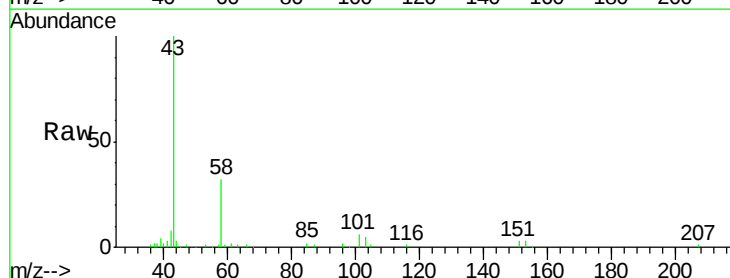
RT: 3.97 min Scan# 366

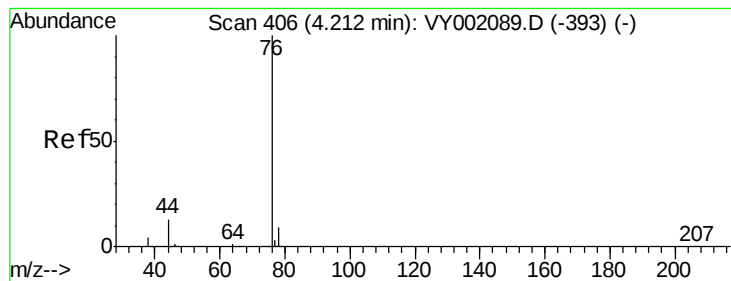
Delta R.T. 0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Tgt Ion:	43	Resp:	49277
Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.3	39.5





#17

Carbon Disulfide

Concen: 20.650 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 76 Resp: 122555

Ion Ratio Lower Upper

76 100

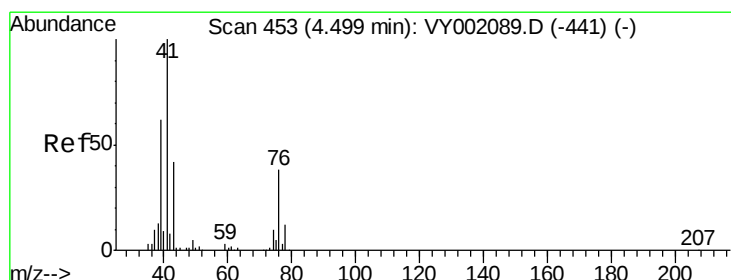
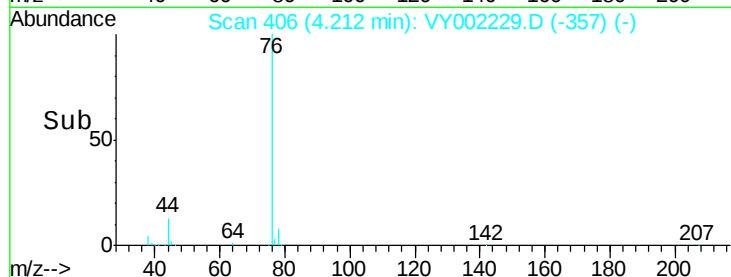
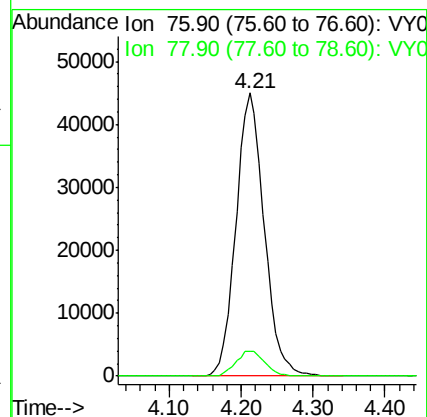
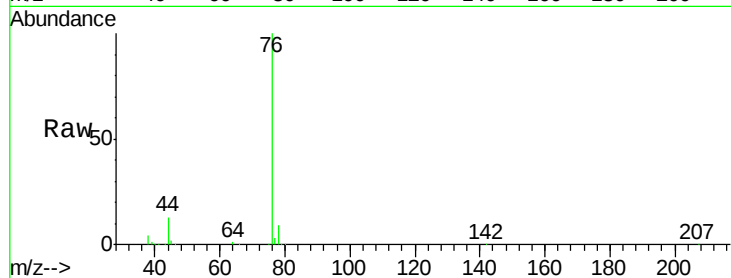
78 8.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:25 PM



#18

Methyl Acetate

Concen: 21.303 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002229.D

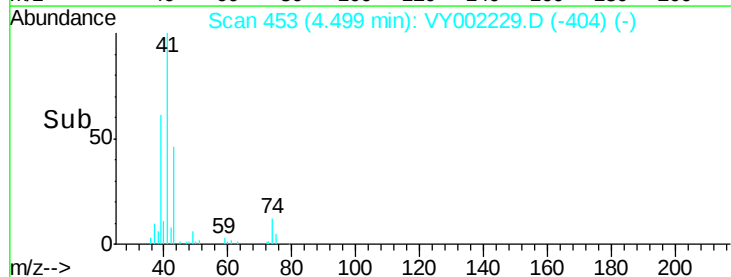
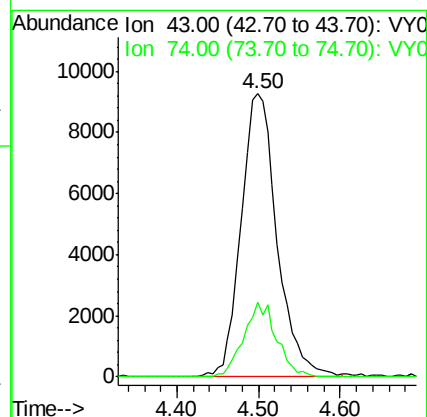
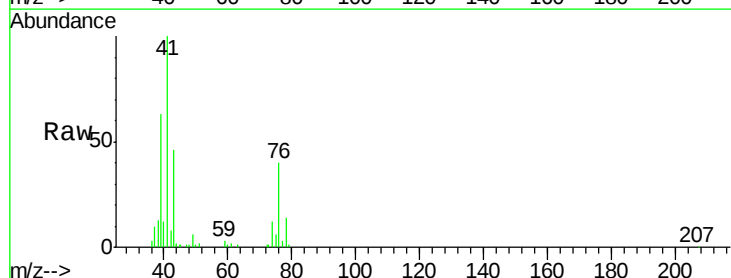
Acq: 06 Apr 2020 12:18

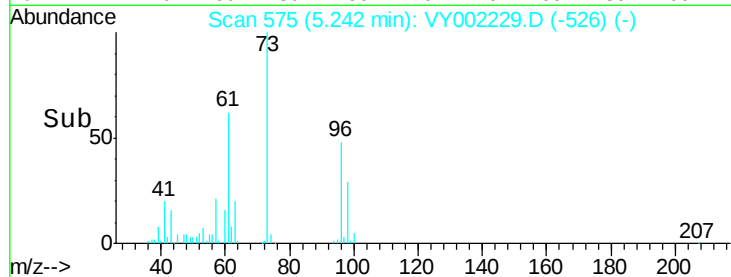
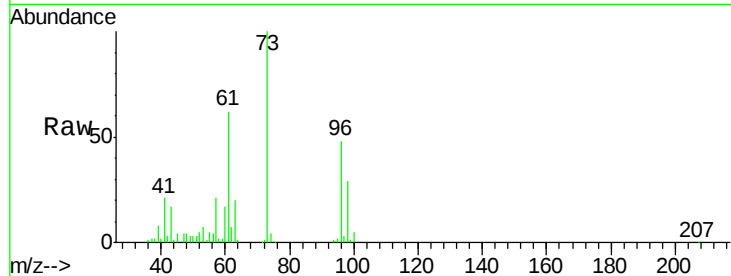
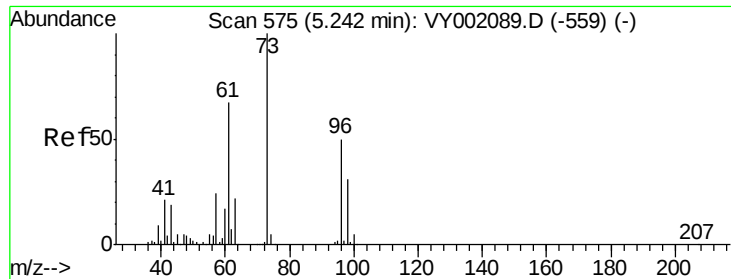
Tgt Ion: 43 Resp: 28315

Ion Ratio Lower Upper

43 100

74 24.1 18.3 27.5





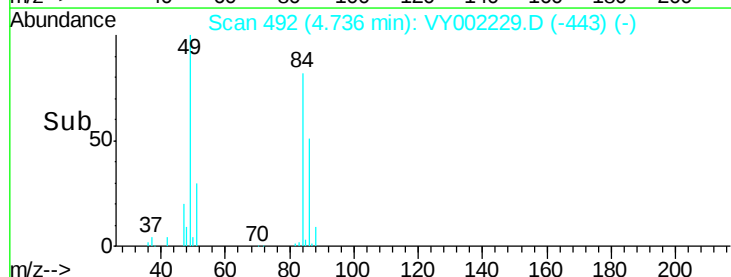
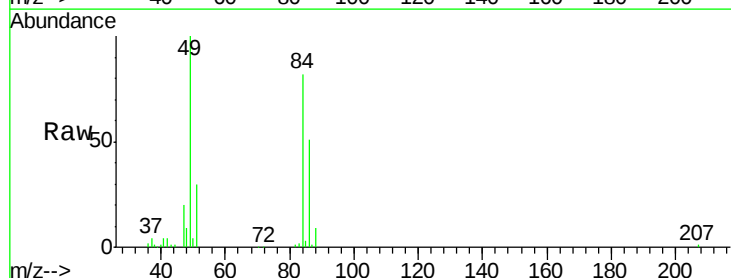
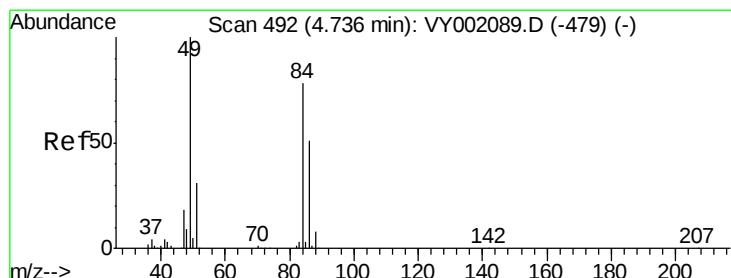
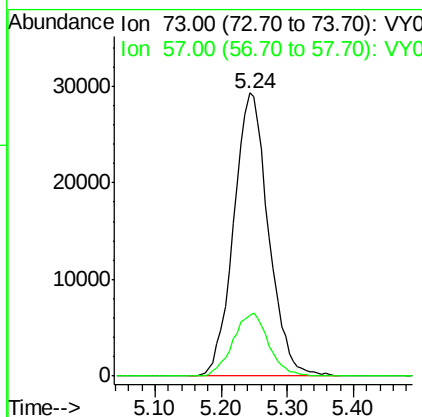
#19
Methyl tert-butyl Ether
Concen: 21.387 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tot Ion: 73 Resp: 106695
Ion Ratio Lower Upper
73 100
57 21.5 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

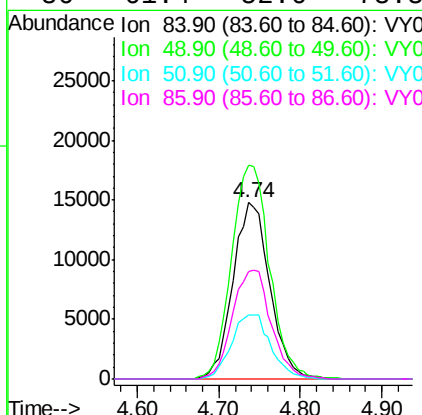
Manual Integrations
APPROVED

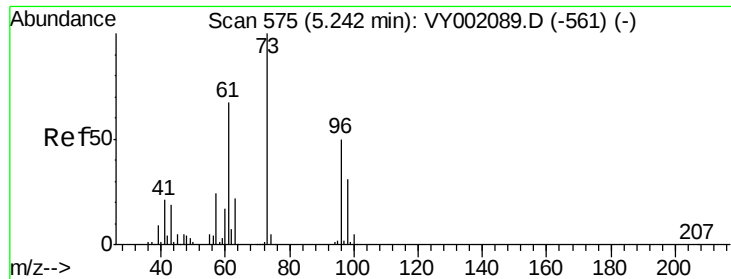
MMDadoda
4/7/2020 7:06:25 PM



#20
Methylene Chloride
Concen: 18.588 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion: 84 Resp: 46211
Ion Ratio Lower Upper
84 100
49 121.3 102.2 153.4
51 36.0 31.2 46.8
86 61.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.123 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

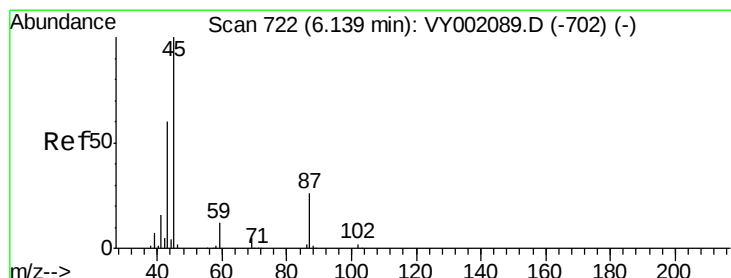
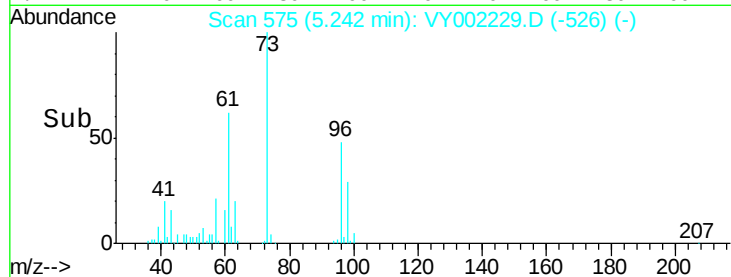
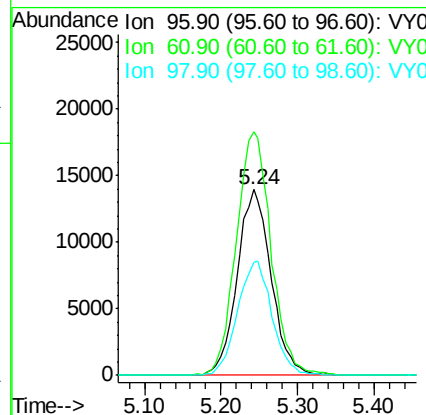
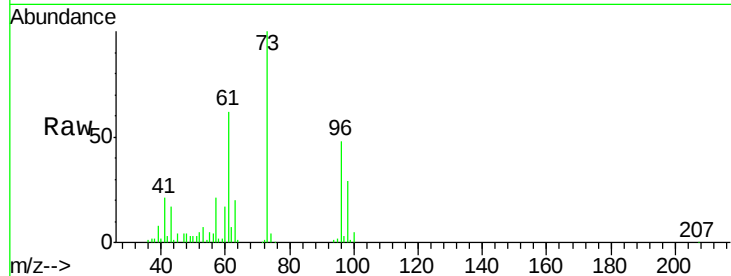
ClientSampleId :

VY0406SBS01

Tot Ion:	96	Resp:	43009
Ion	Ratio	Lower	Upper
96	100		
61	131.1	107.7	161.5
98	60.8	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM



#22

Diisopropyl ether

Concen: 20.462 ug/l

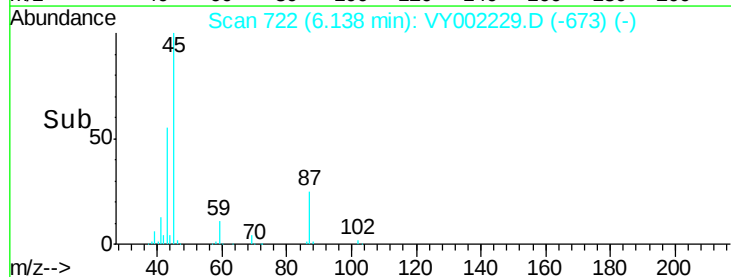
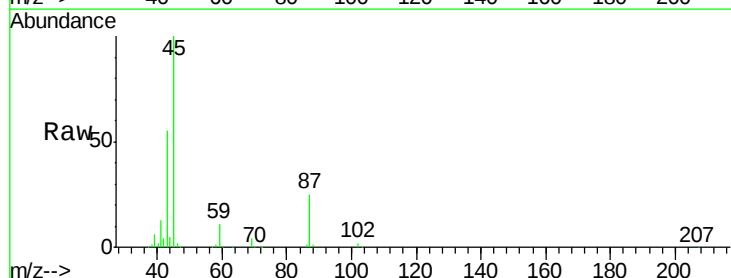
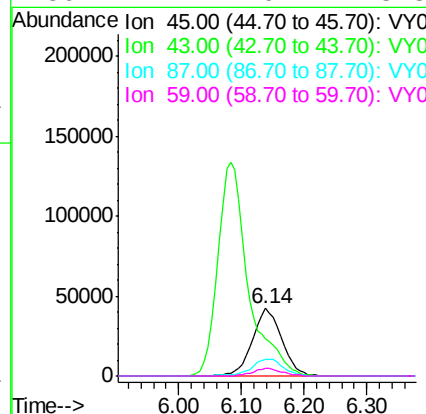
RT: 6.14 min Scan# 722

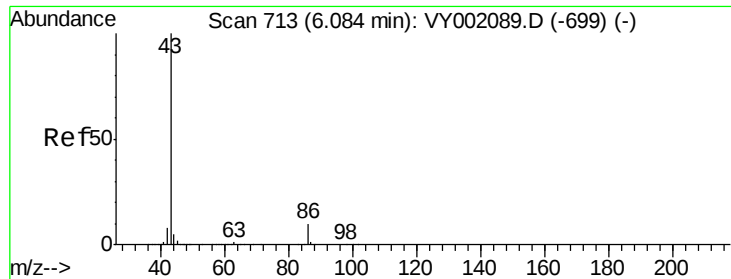
Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Tgt Ion:	45	Resp:	137092
Ion	Ratio	Lower	Upper
45	100		
43	54.3	48.1	72.1
87	25.2	21.1	31.7
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 102.257 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 43 Resp: 449239

Ion Ratio Lower Upper

43 100

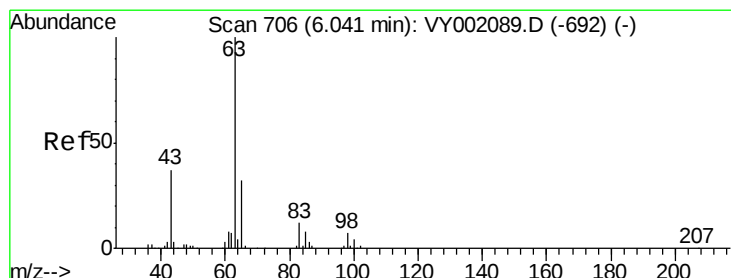
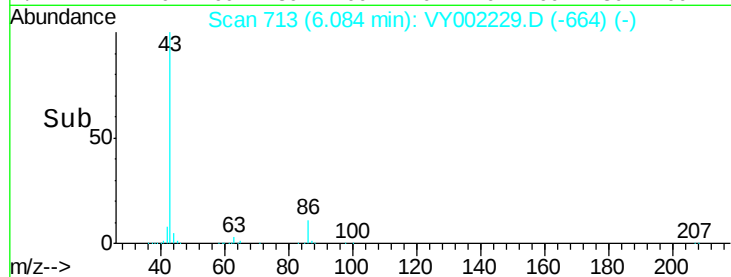
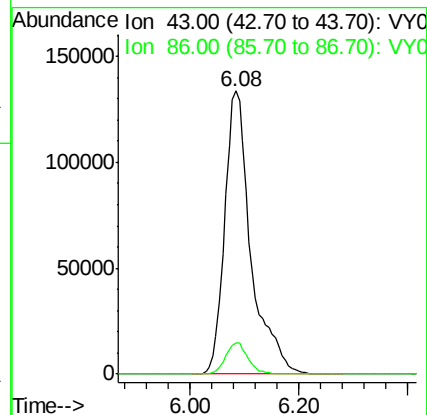
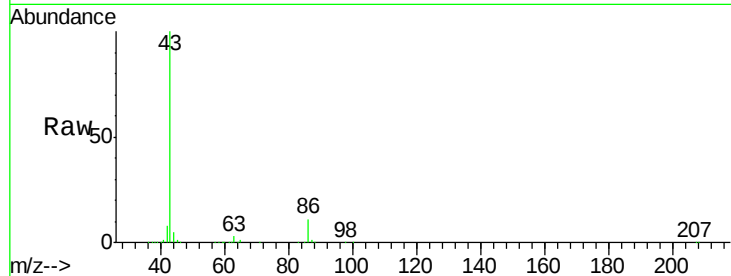
86 11.0 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:25 PM



#24

1,1-Dichloroethane

Concen: 20.930 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

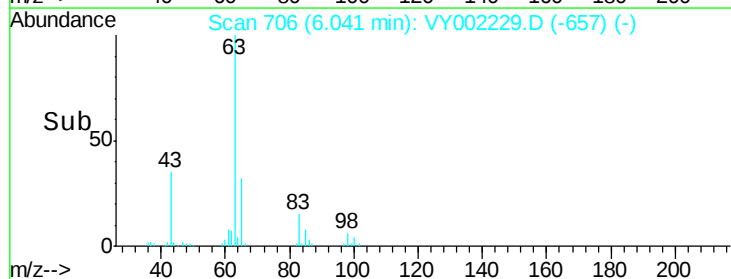
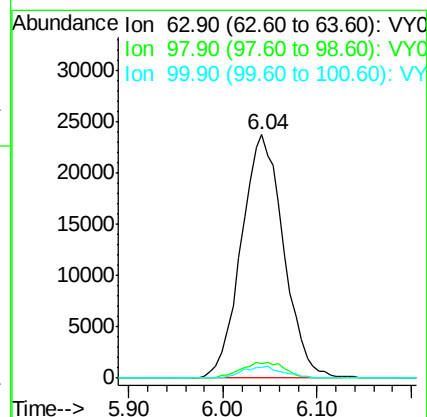
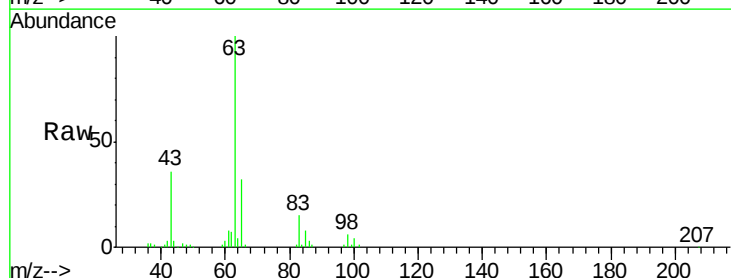
Tgt Ion: 63 Resp: 74555

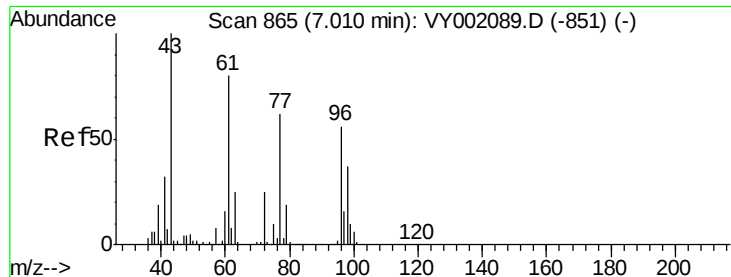
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 100.633 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 43 Resp: 79094

Ion Ratio Lower Upper

43 100

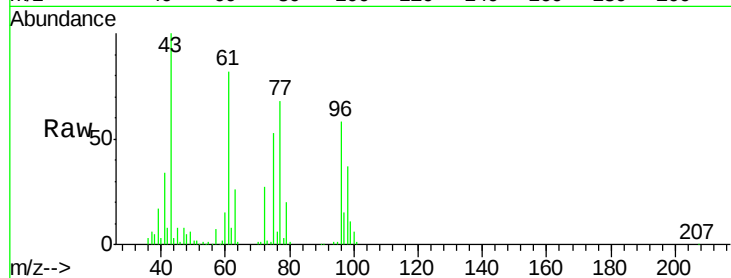
72 26.5 20.2 30.2

Manual Integrations

APPROVED

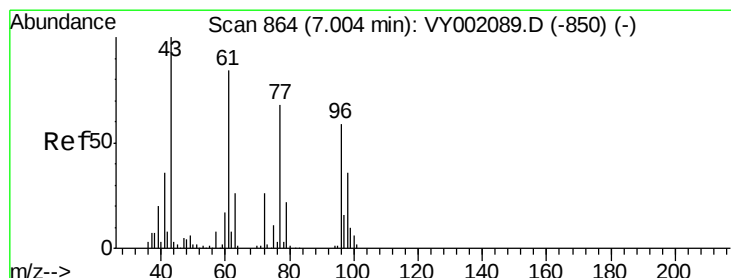
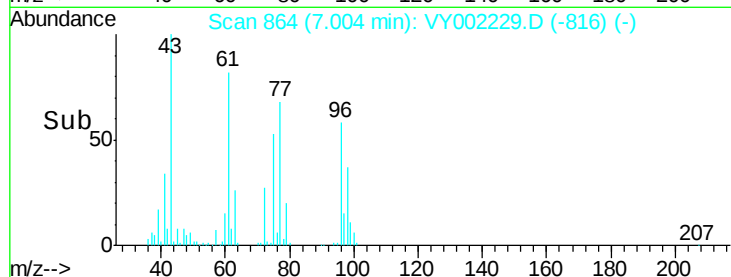
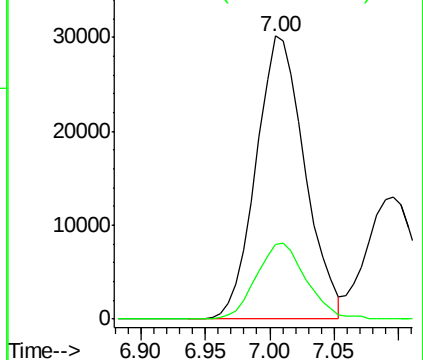
MMDadoda

4/7/2020 7:06:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.781 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002229.D

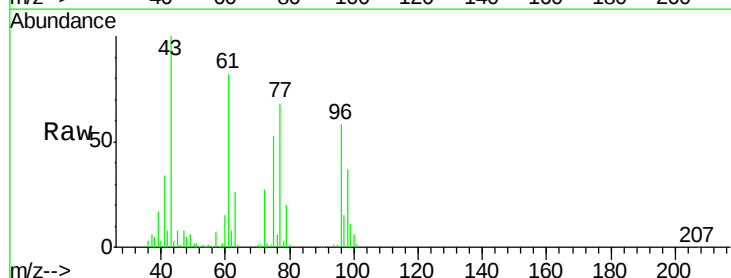
Acq: 06 Apr 2020 12:18

Tgt Ion: 77 Resp: 60968

Ion Ratio Lower Upper

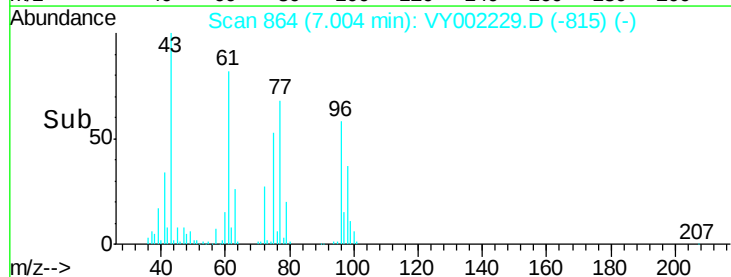
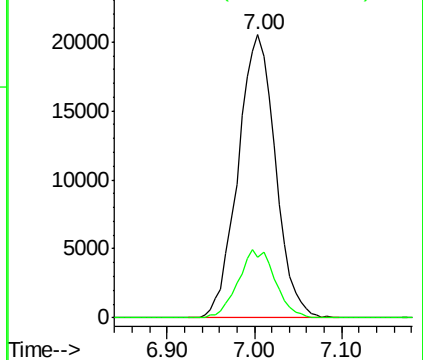
77 100

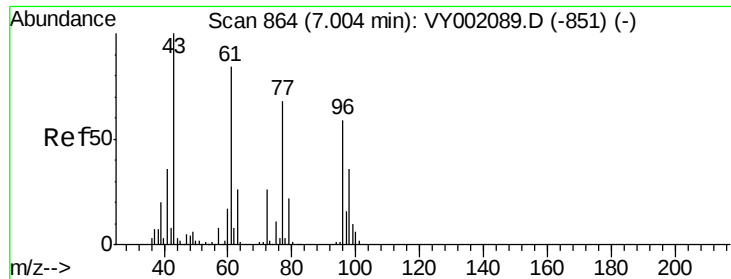
97 23.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

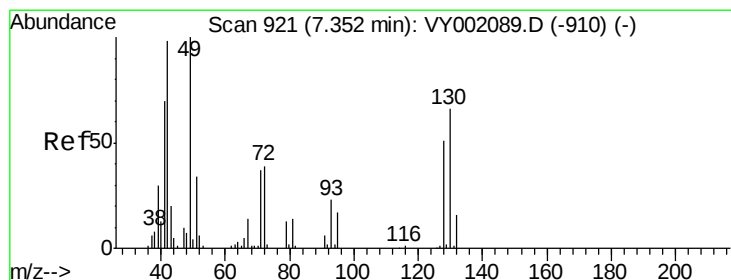
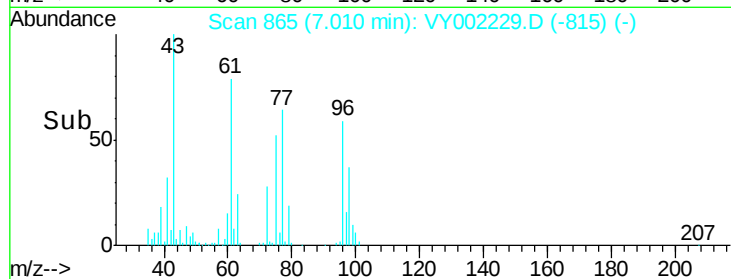
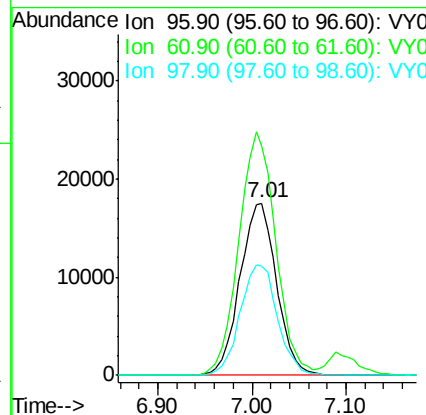
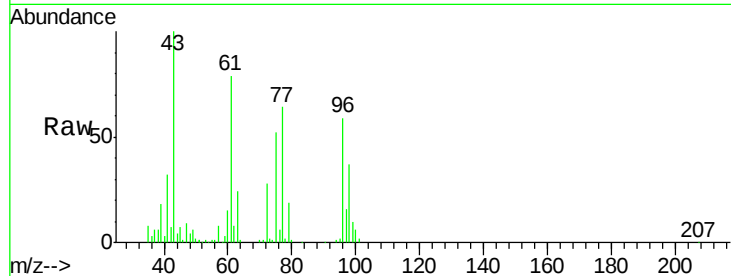
cis-1,2-Dichloroethene
Concen: 21.176 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	290.6
98	65.3	0.0	128.0

Manual Integrations
APPROVED

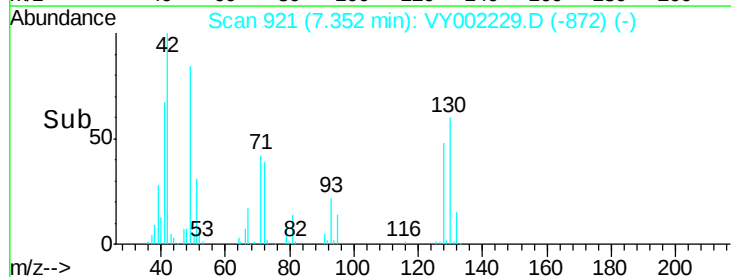
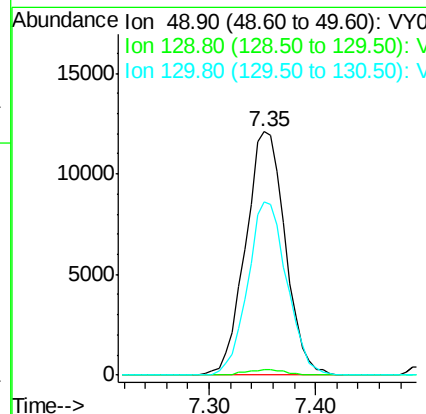
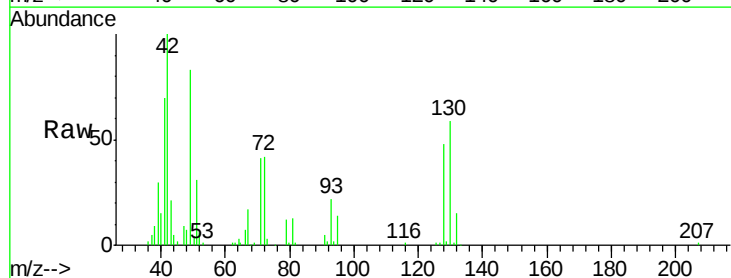
MMDadoda
4/7/2020 7:06:25 PM

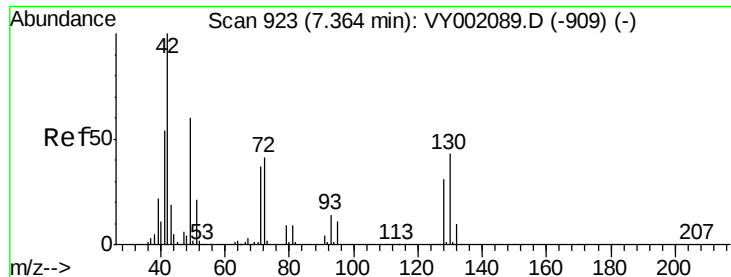


#28

Bromochloromethane
Concen: 19.439 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	70.3	54.1	81.1





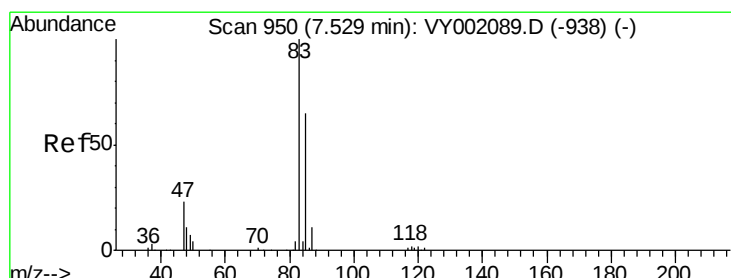
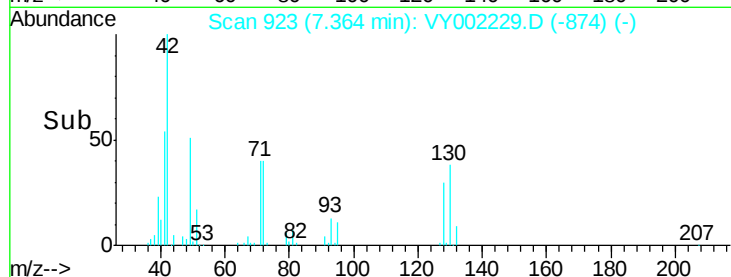
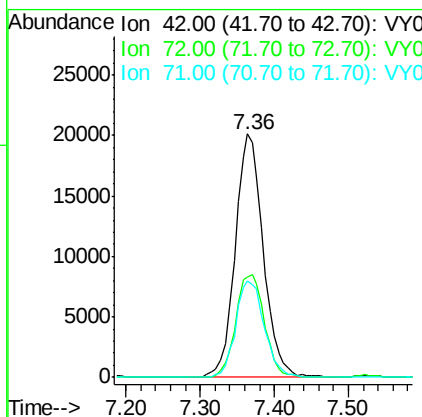
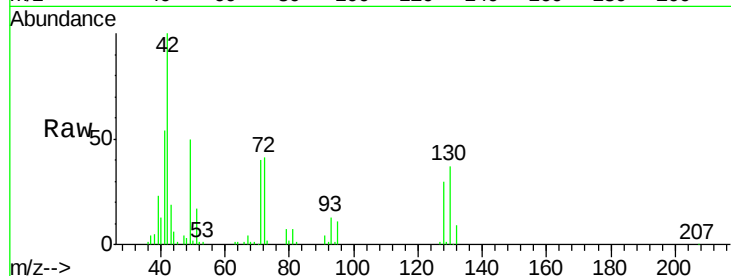
#29
Tetrahydrofuran
Concen: 102.844 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion:	42	Resp:	52996
Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.0	49.4
71	40.5	31.2	46.8

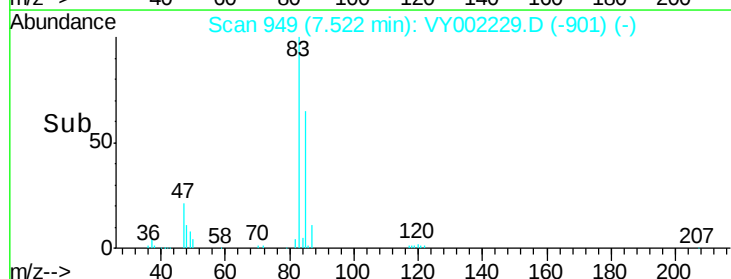
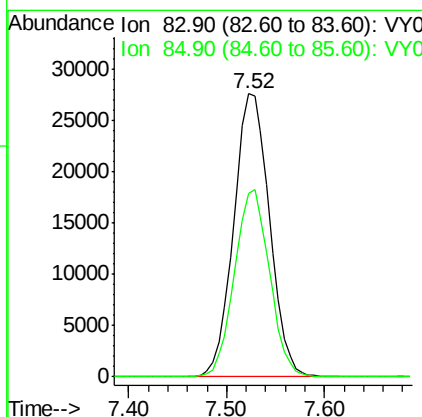
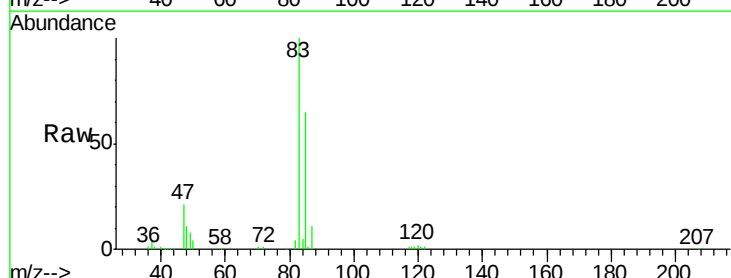
Manual Integrations
APPROVED

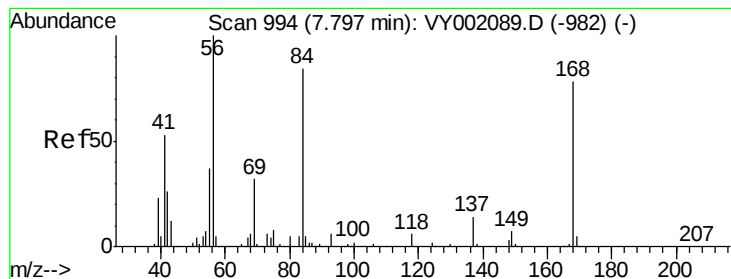
MMDadoda
4/7/2020 7:06:25 PM



#30
Chloroform
Concen: 20.806 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion:	83	Resp:	70249
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





#31

Cyclohexane

Concen: 19.919 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 56 Resp: 75608

Ion Ratio Lower Upper

56 100

69 35.3 25.8 38.8

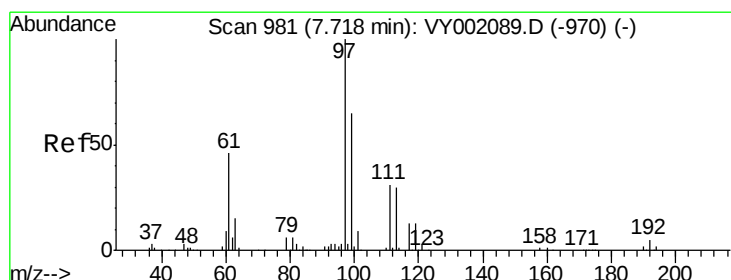
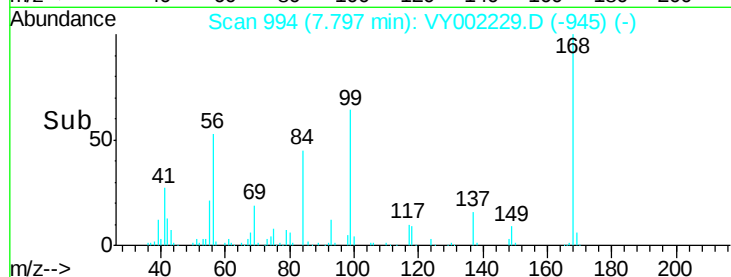
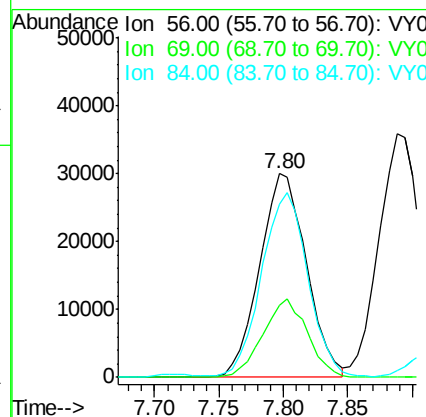
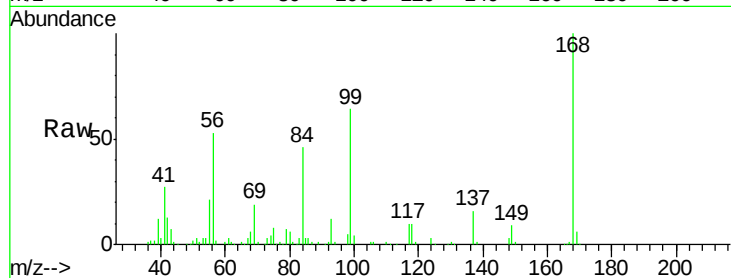
84 84.1 67.1 100.7

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:25 PM



#32

1,1,1-Trichloroethane

Concen: 20.620 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

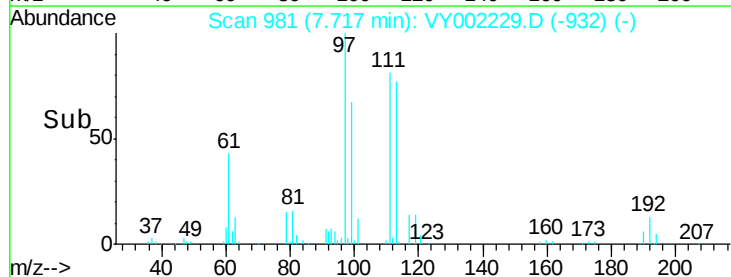
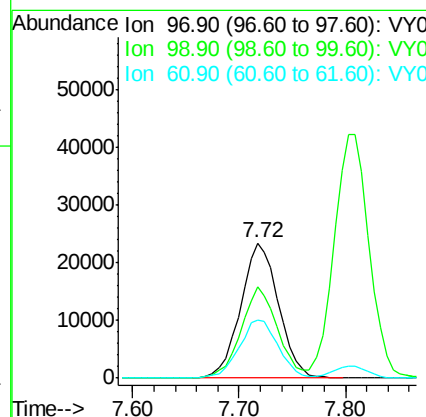
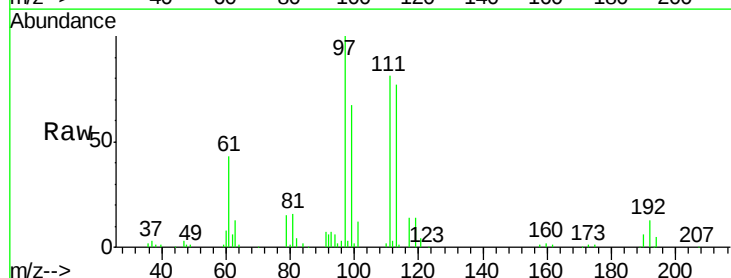
Tgt Ion: 97 Resp: 58129

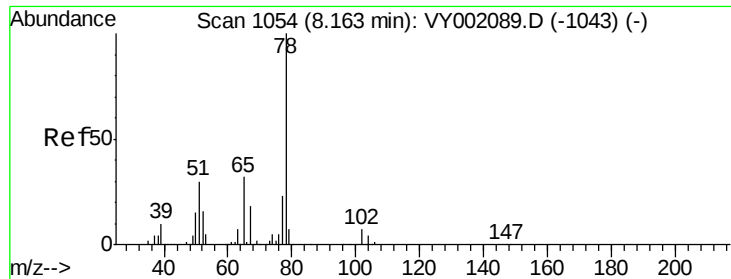
Ion Ratio Lower Upper

97 100

99 65.8 52.0 78.0

61 44.7 35.7 53.5





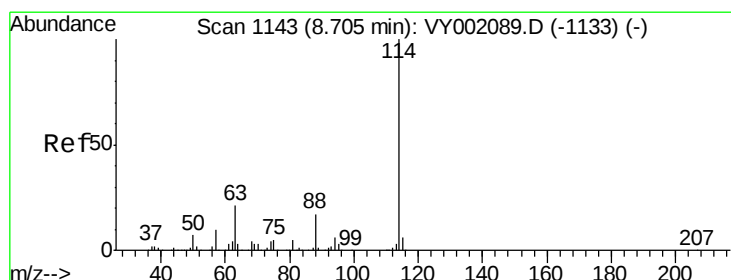
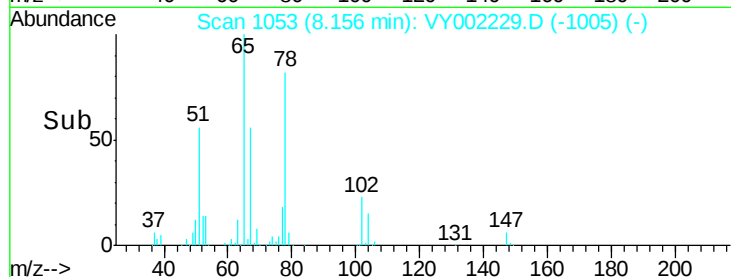
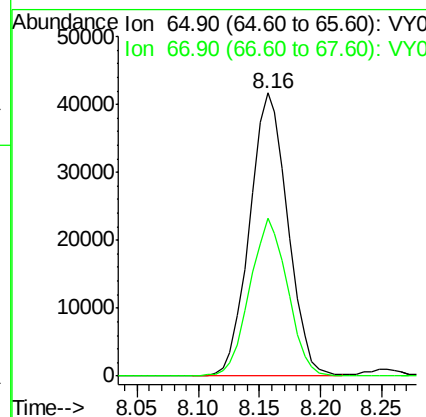
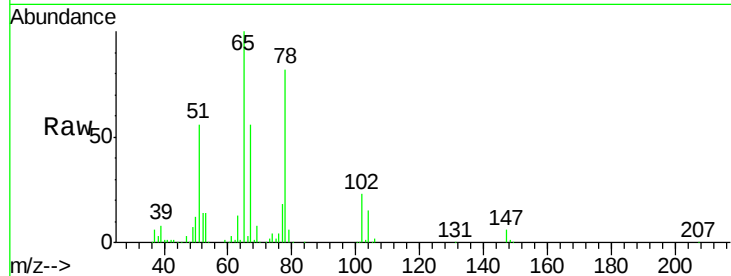
#33
 1,2-Dichloroethane-d4
 Concen: 49.699 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	65	Ratio	Lower	Upper
65	100			
67	55.2	0.0	112.8	

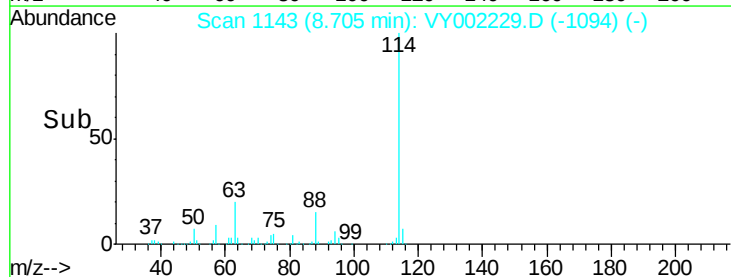
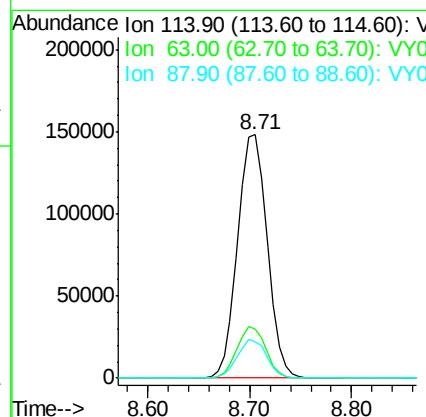
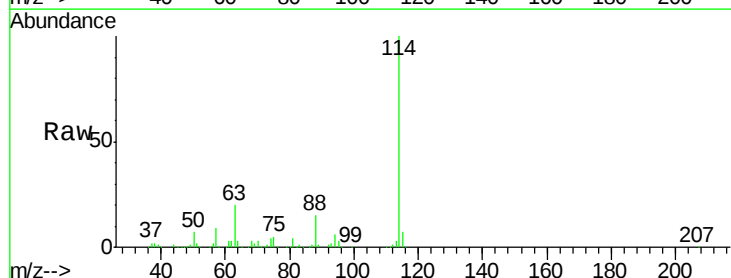
Manual Integrations
 APPROVED

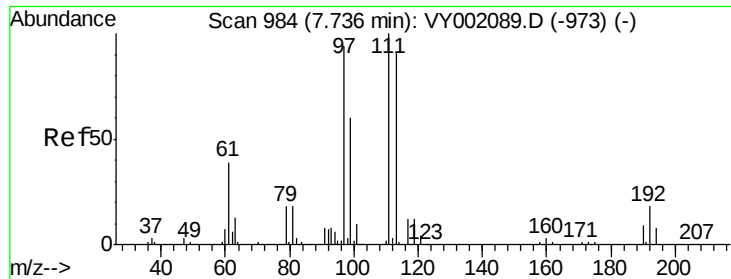
MMDadoda
 4/7/2020 7:06:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	114	Ratio	Lower	Upper
114	100			
63	20.3	0.0	41.4	
88	15.2	0.0	33.0	





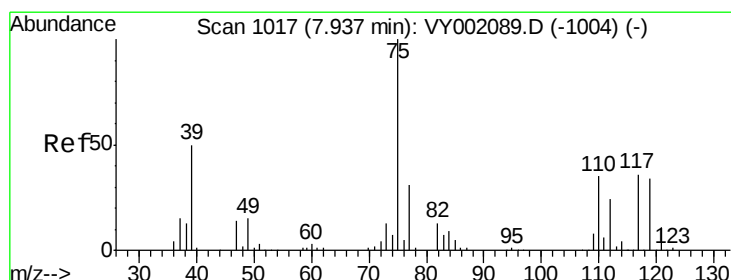
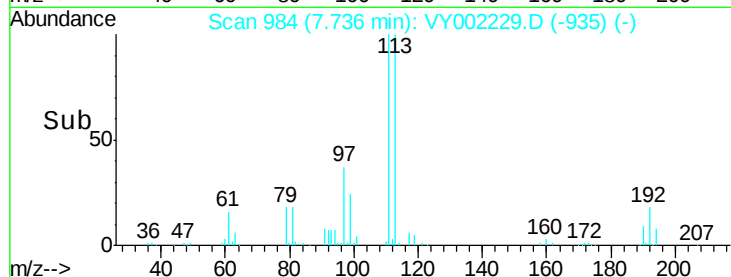
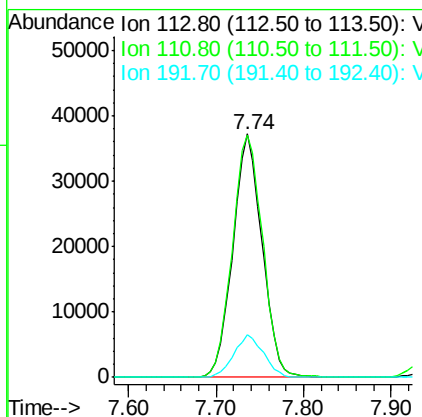
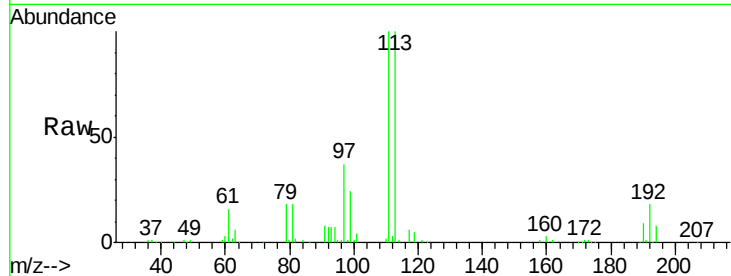
#35
 Dibromofluoromethane
 Concen: 51.545 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86184		
111	103.2	84.4	126.6	
192	17.9	14.6	21.8	

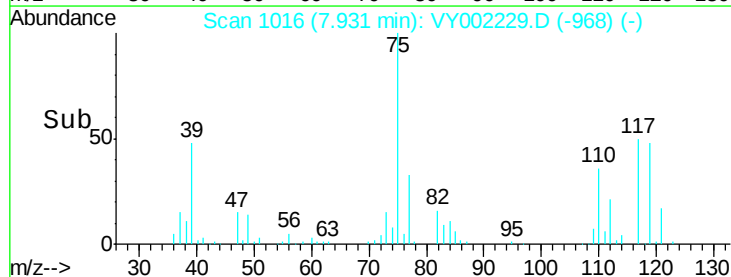
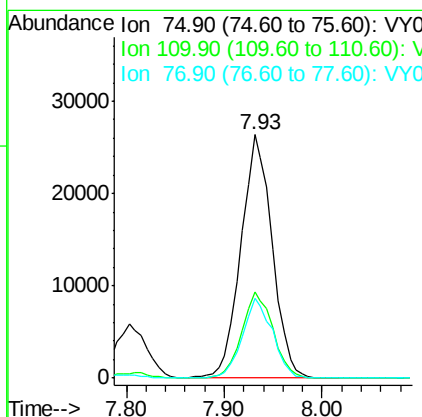
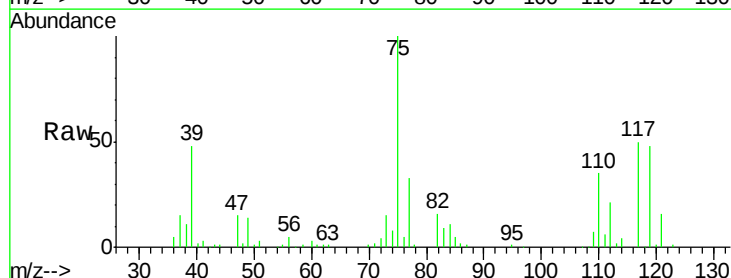
Manual Integrations
 APPROVED

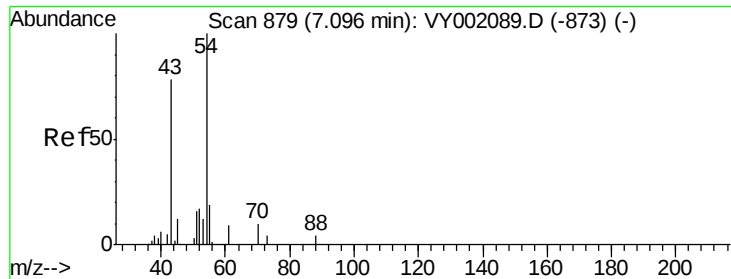
MMDadoda
 4/7/2020 7:06:25 PM



#36
 1,1-Dichloropropene
 Concen: 20.707 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58444		
110	35.1	17.2	51.6	
77	31.8	24.7	37.1	





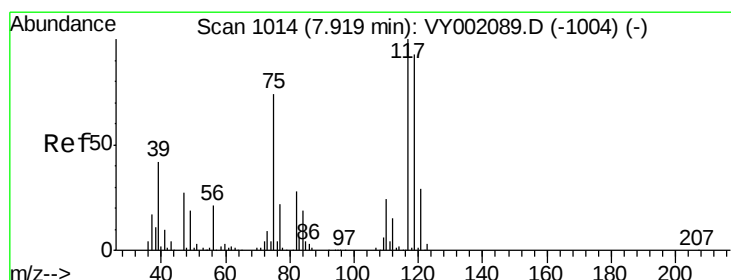
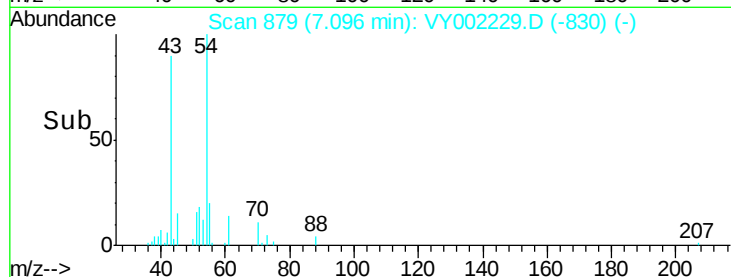
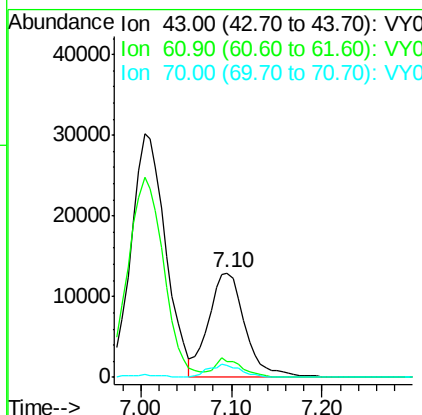
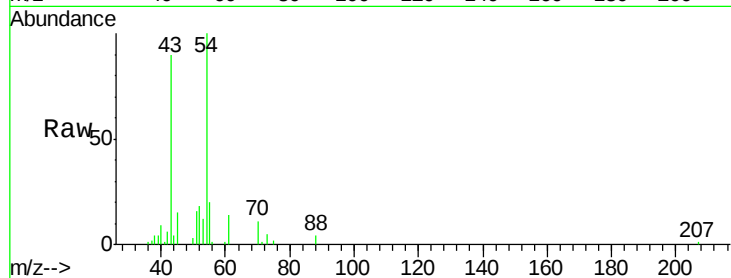
#37
Ethyl Acetate
Concen: 21.439 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	11.3	8.2	12.4

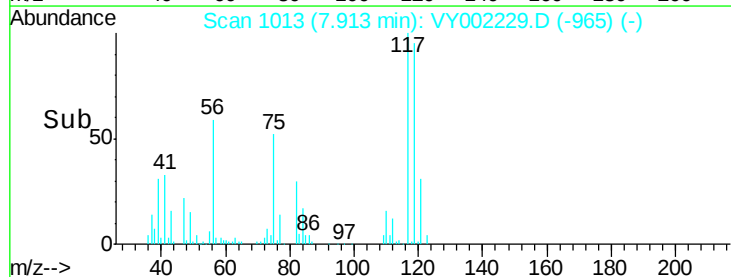
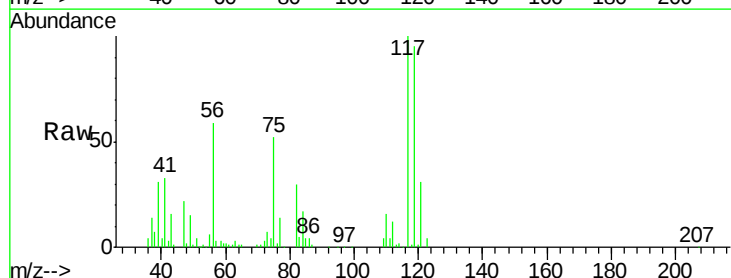
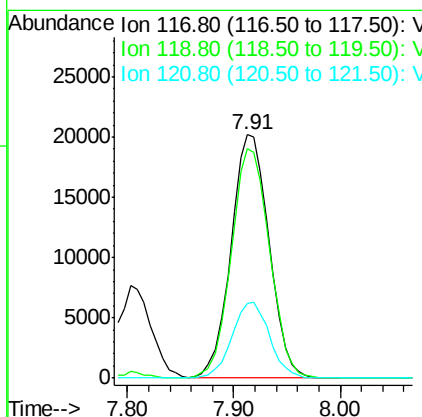
Manual Integrations
APPROVED

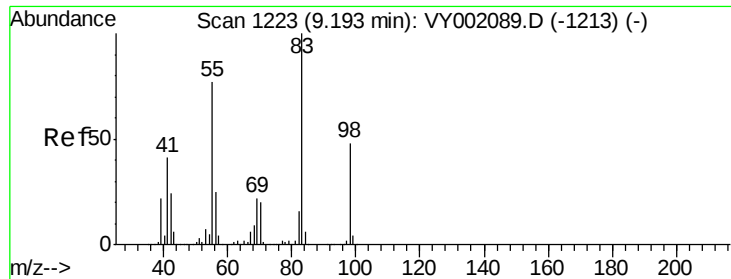
MMDadoda
4/7/2020 7:06:25 PM



#38
Carbon Tetrachloride
Concen: 21.071 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.3	111.5
121	30.7	23.3	34.9





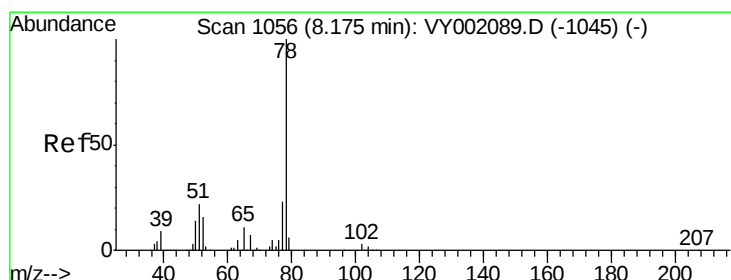
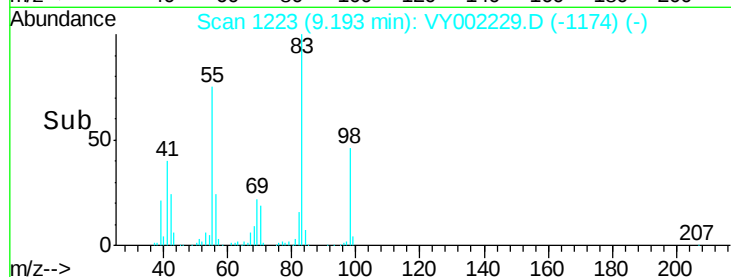
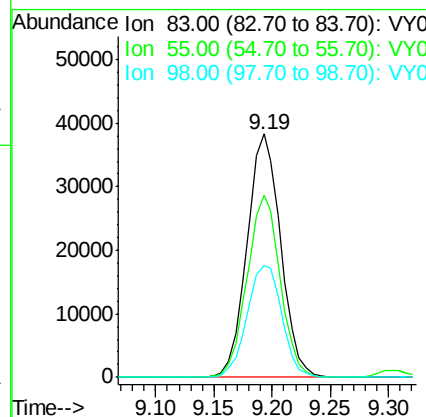
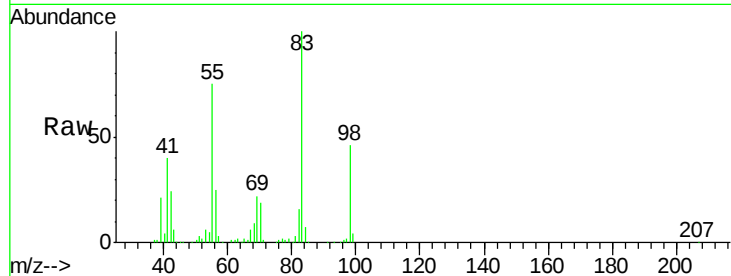
#39
Methvlcvclohexane
Concen: 20.806 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.2	91.8
98	45.7	38.2	57.2

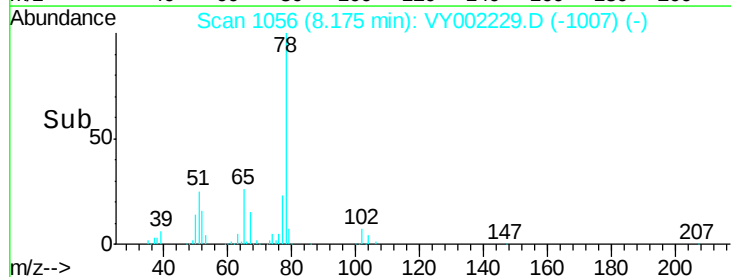
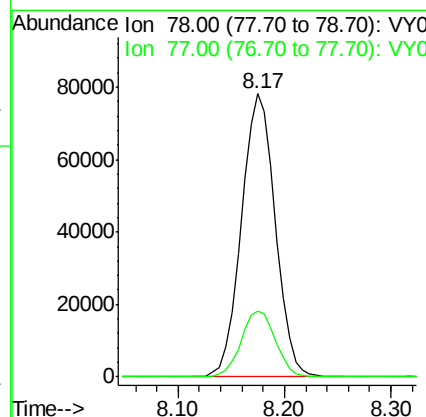
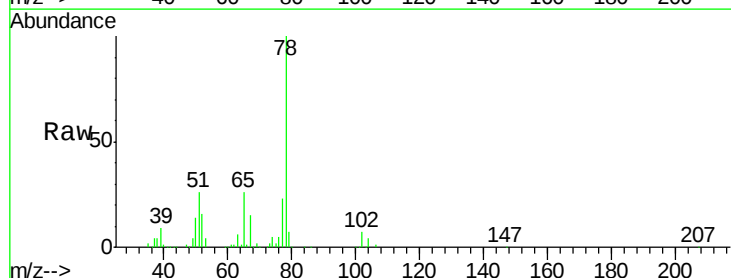
Manual Integrations
APPROVED

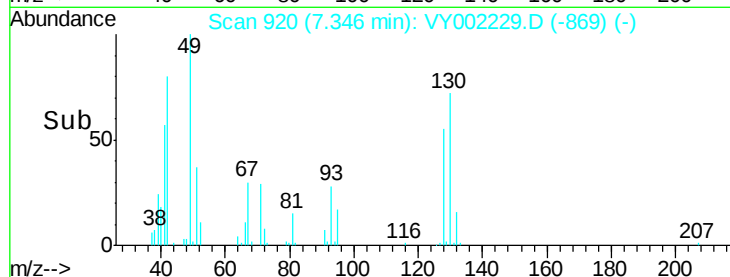
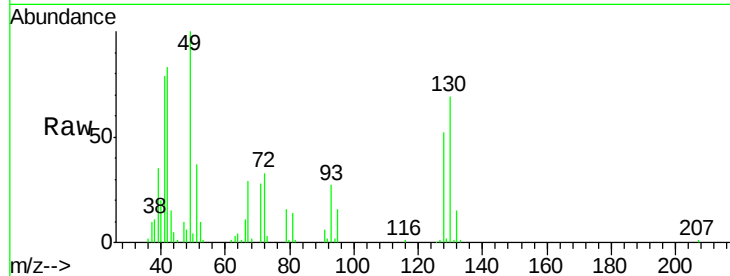
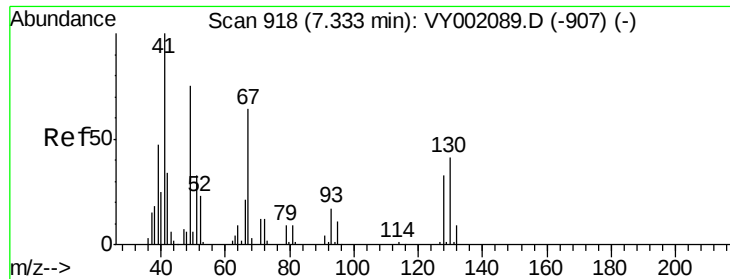
MMDadoda
4/7/2020 7:06:25 PM



#40
Benzene
Concen: 20.814 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





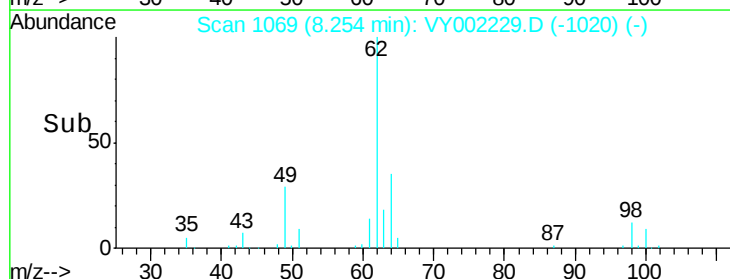
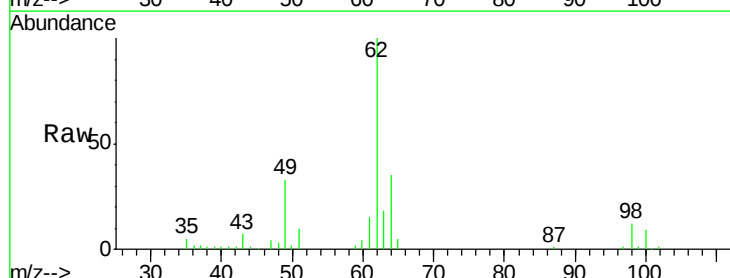
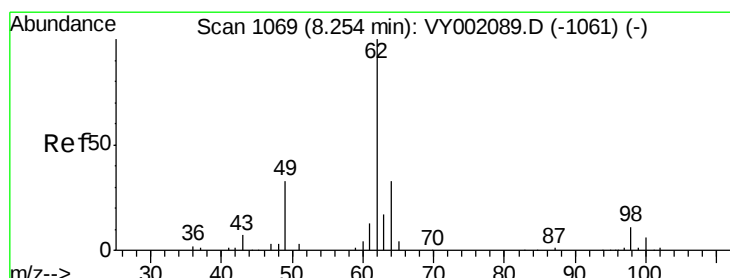
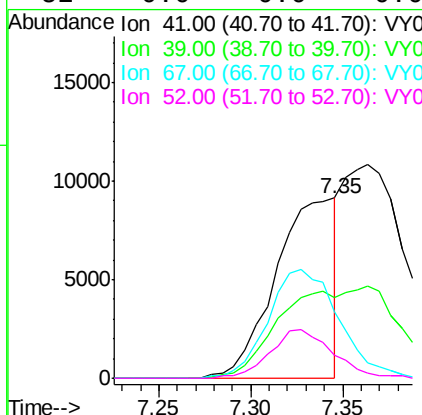
#41
Methacrylonitrile
Concen: 24.459 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tot Ion	41	Resp	21102
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

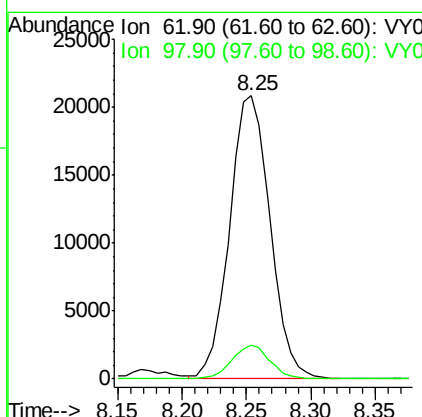
Manual Integrations
APPROVED

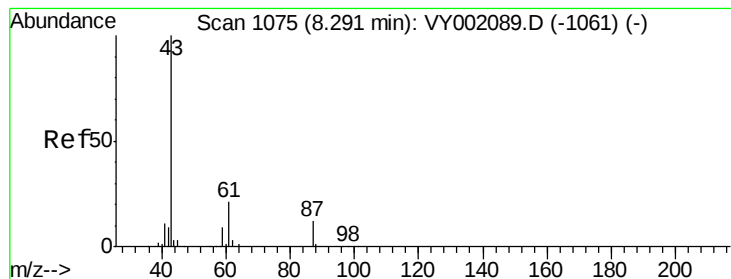
MMDadoda
4/7/2020 7:06:25 PM



#42
1,2-Dichloroethane
Concen: 20.468 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	62	Resp	45433
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.2





#43

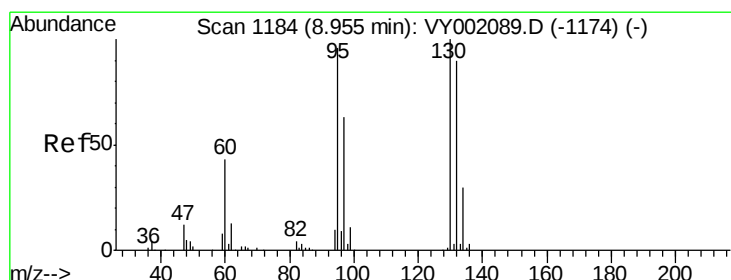
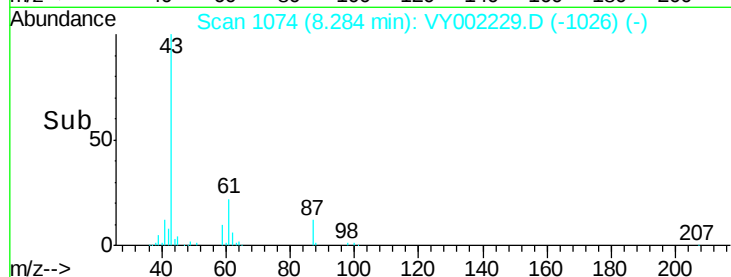
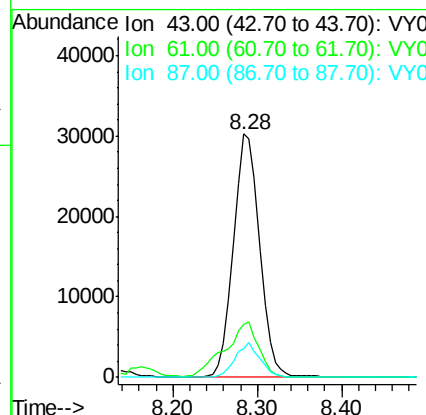
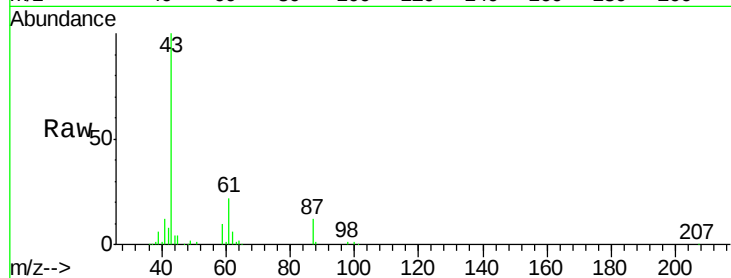
Isopropyl Acetate
 Concen: 20.248 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	43	61	87
Resp	64099		
Ratio	100	29.6	13.5
Lower		23.4	10.2
Upper		35.2	15.4

Manual Integrations
 APPROVED

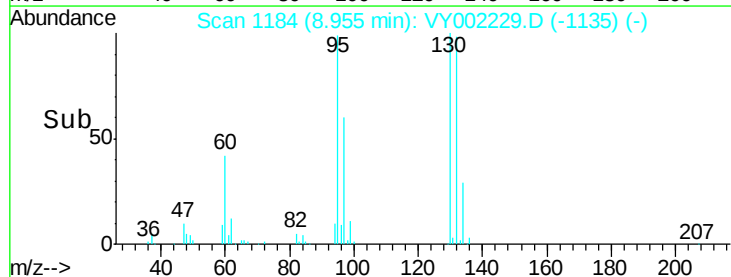
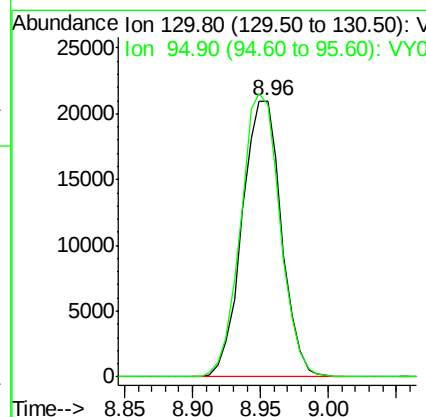
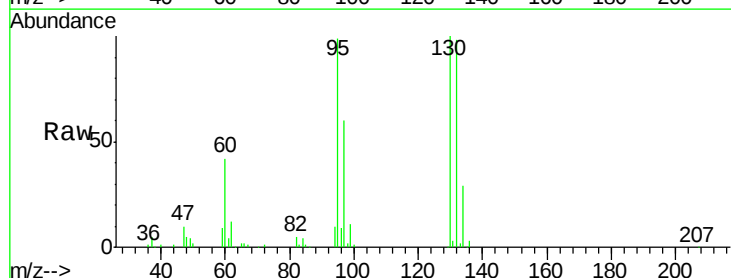
MMDadoda
 4/7/2020 7:06:25 PM

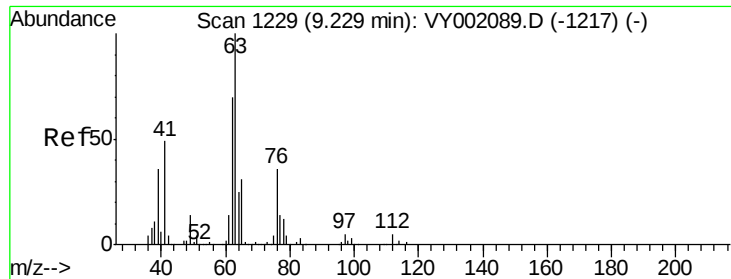


#44

Trichloroethene
 Concen: 21.017 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	130	95
Resp	42357	
Ratio	100	98.5
Lower		0.0
Upper		193.0





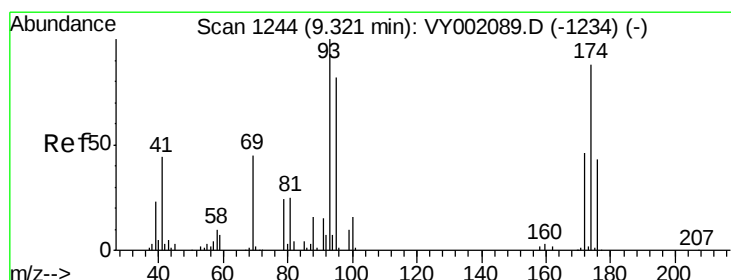
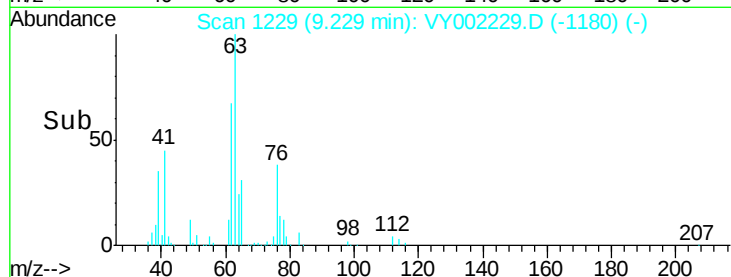
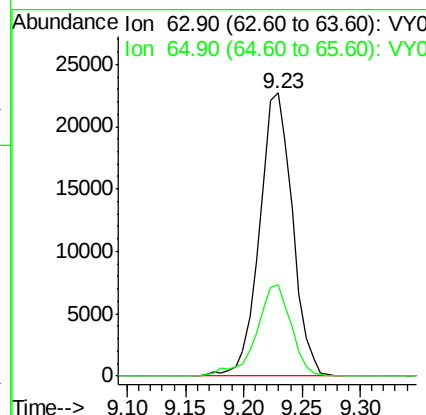
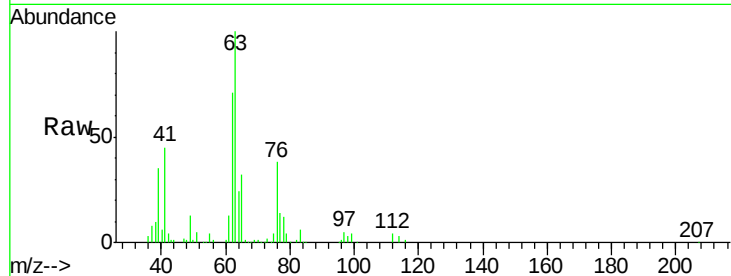
#45
 1,2-Dichloropropane
 Concen: 21.092 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion: 63 Resp: 44900
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6

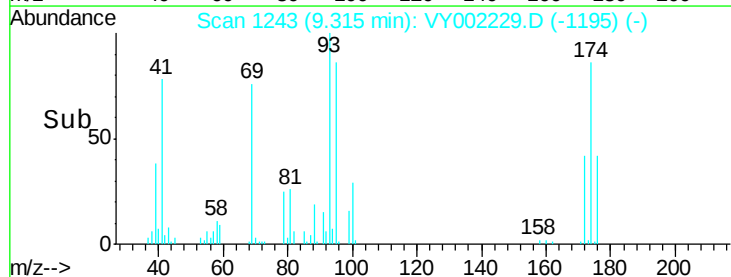
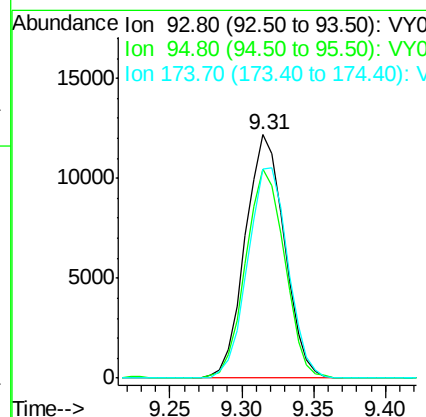
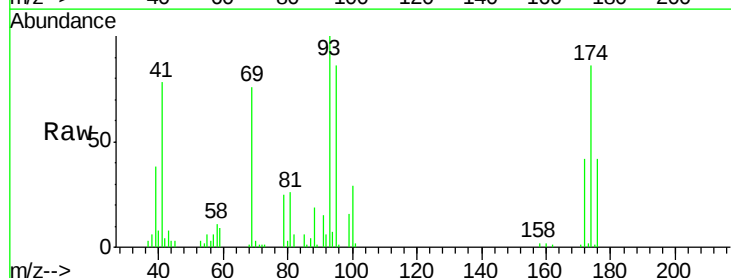
Manual Integrations
 APPROVED

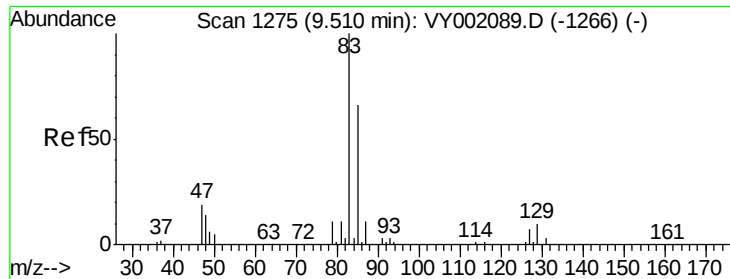
MMDadoda
 4/7/2020 7:06:25 PM



#46
 Dibromomethane
 Concen: 20.977 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion: 93 Resp: 22933
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.0 99.0
 174 88.2 69.8 104.8





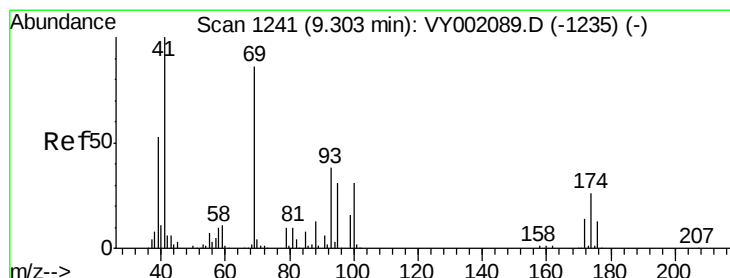
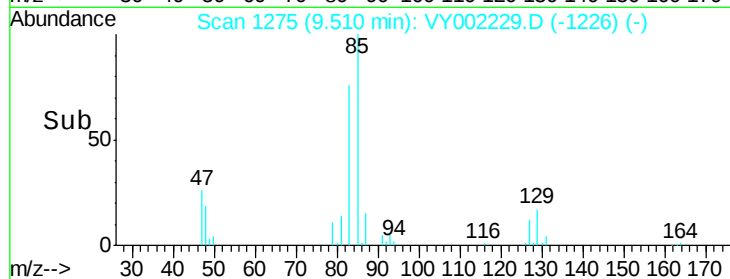
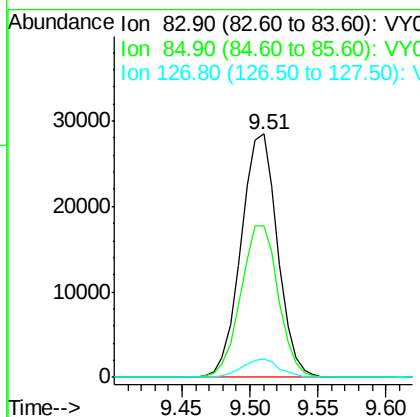
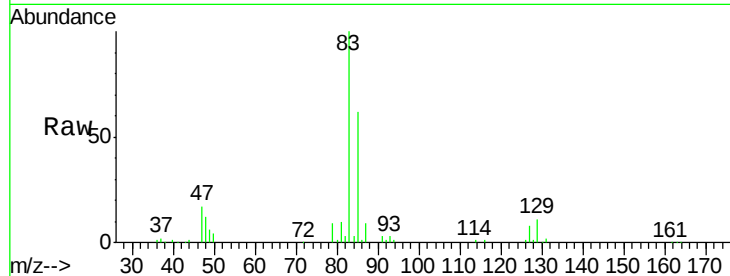
#47
Bromodichloromethane
Concen: 20.996 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	83	Resp	53436
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	52.6	79.0
127	7.5	5.9	8.9

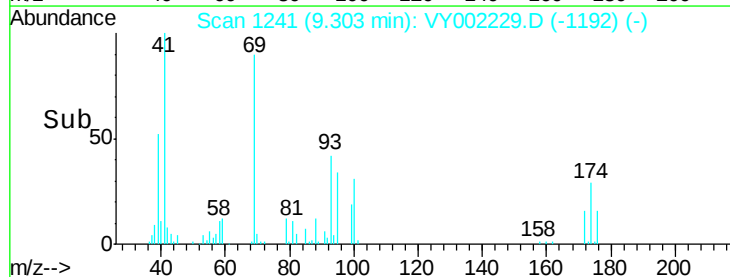
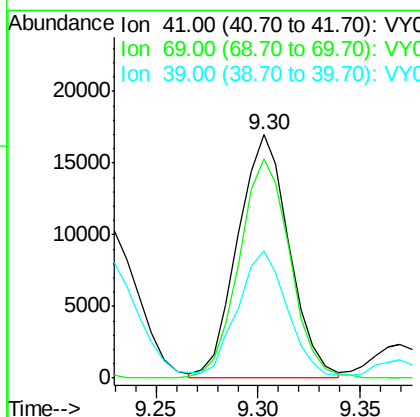
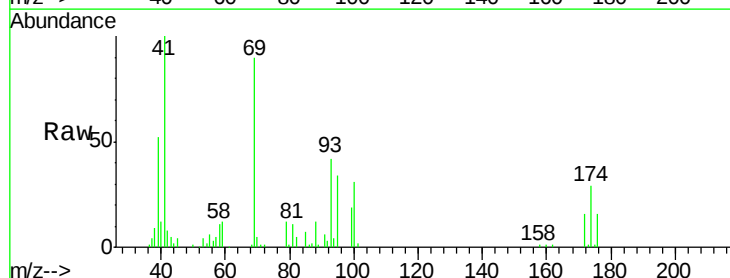
Manual Integrations
APPROVED

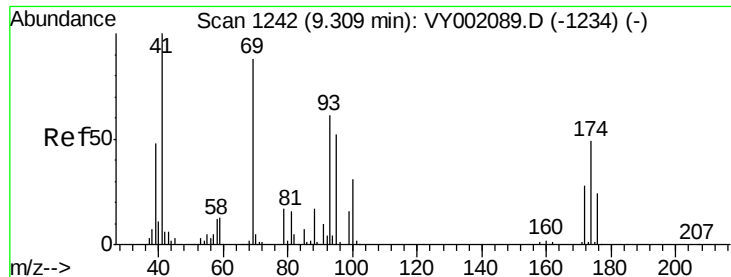
MMDadoda
4/7/2020 7:06:25 PM



#48
Methyl methacrylate
Concen: 20.969 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	41	Resp	29748
Ion Ratio	100	Lower	Upper
41	100		
69	88.6	71.4	107.0
39	48.3	41.0	61.4





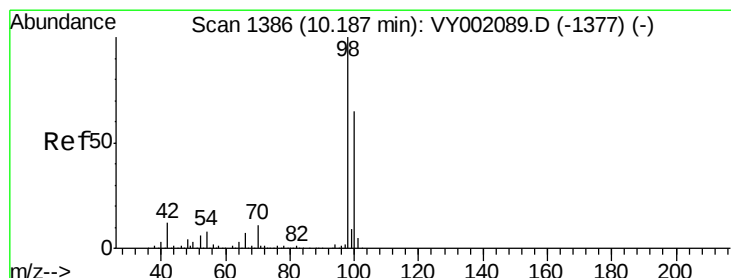
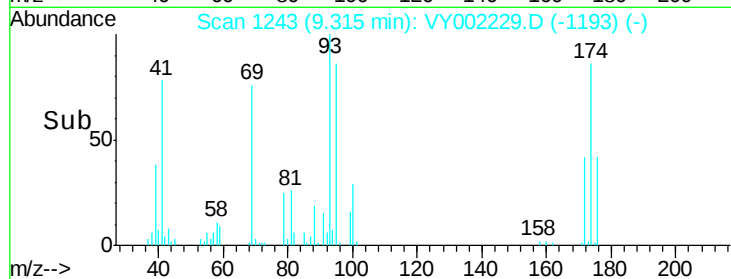
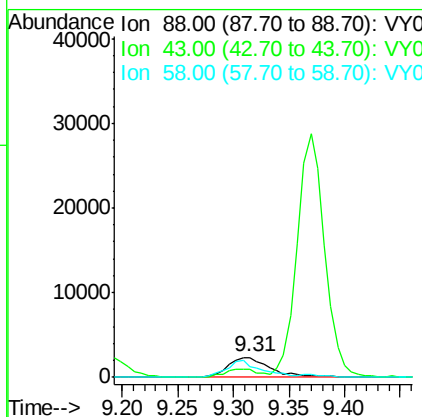
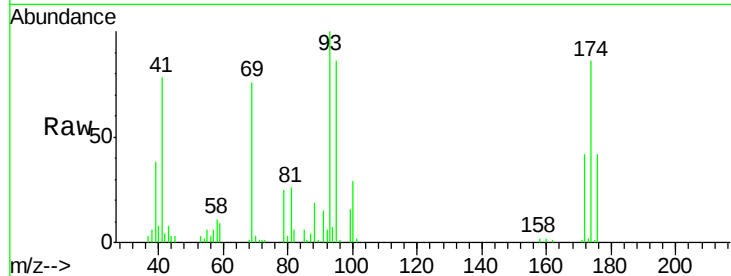
#49
1,4-Dioxane
Concen: 417.340 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	27.2	40.8
58	69.5	59.8	89.8

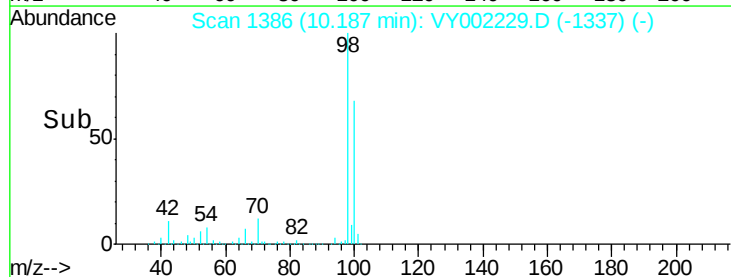
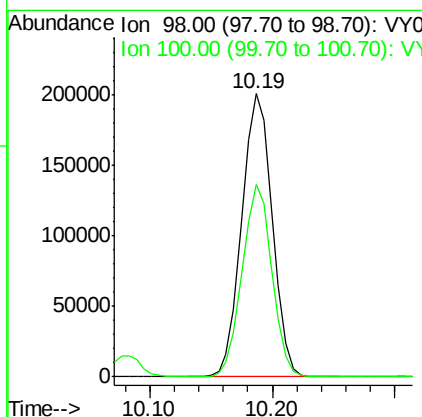
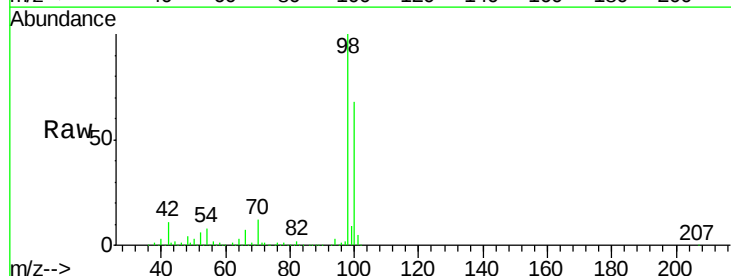
Manual Integrations
APPROVED

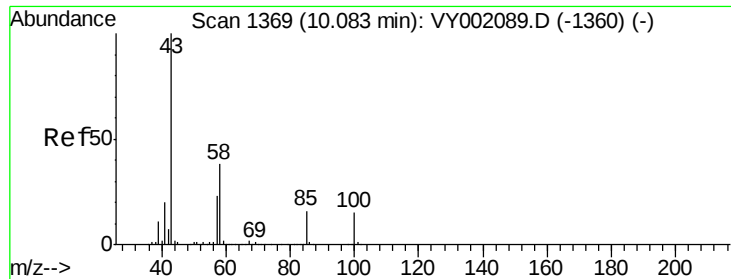
MMDadoda
4/7/2020 7:06:25 PM



#50
Toluene-d8
Concen: 49.944 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 105.627 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 43 Resp: 172183

Ion Ratio Lower Upper

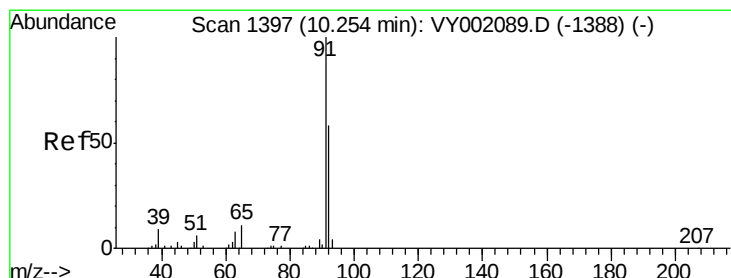
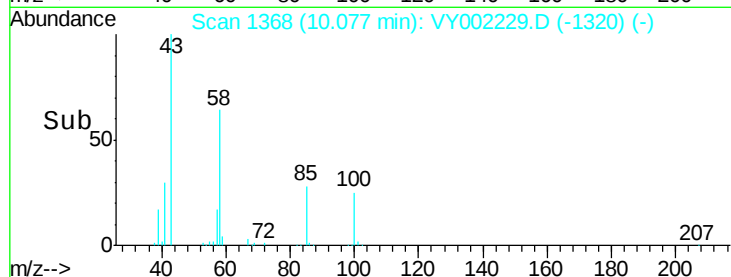
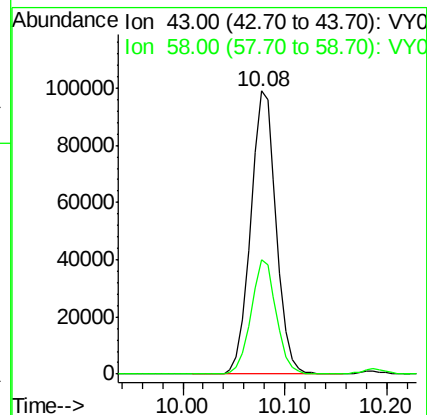
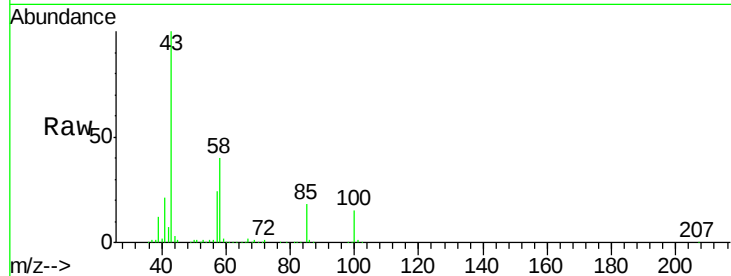
43 100

58 40.0 31.6 47.4

Manual Integrations
APPROVED

MMDadoda

4/7/2020 7:06:25 PM



#52

Toluene

Concen: 20.993 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002229.D

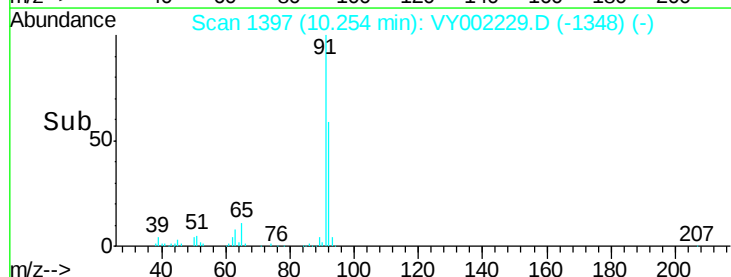
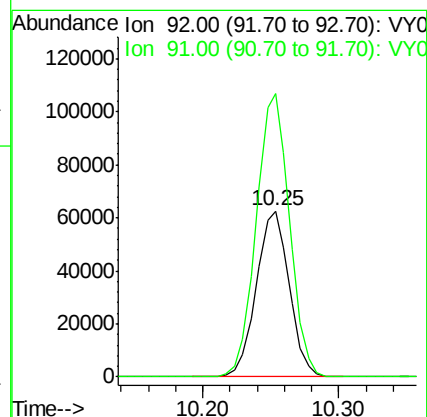
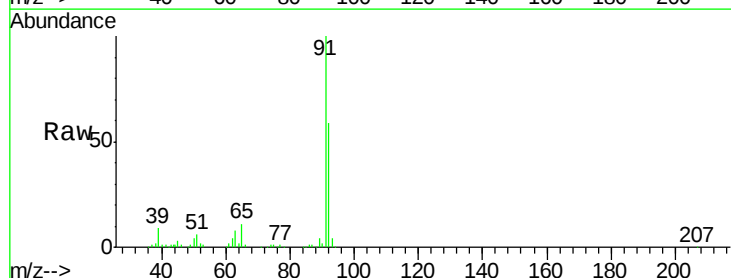
Acq: 06 Apr 2020 12:18

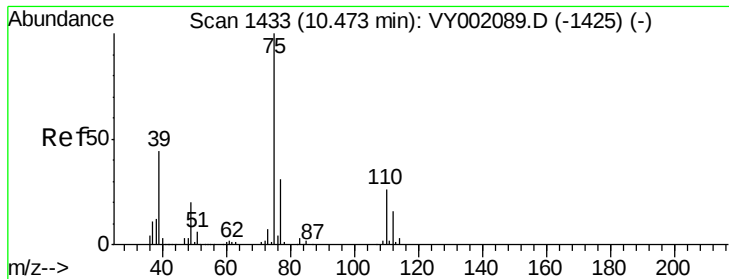
Tgt Ion: 92 Resp: 106156

Ion Ratio Lower Upper

92 100

91 172.3 139.3 208.9





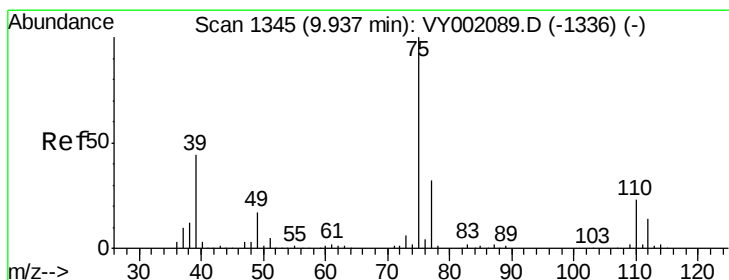
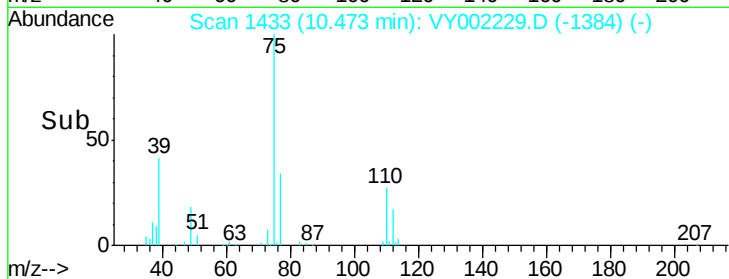
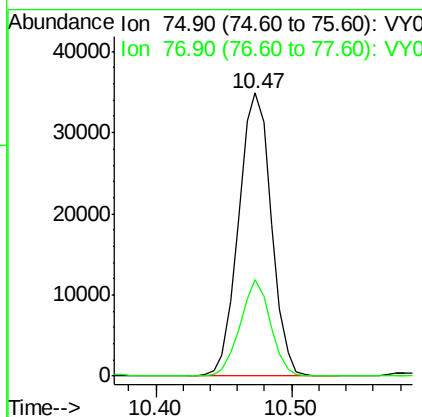
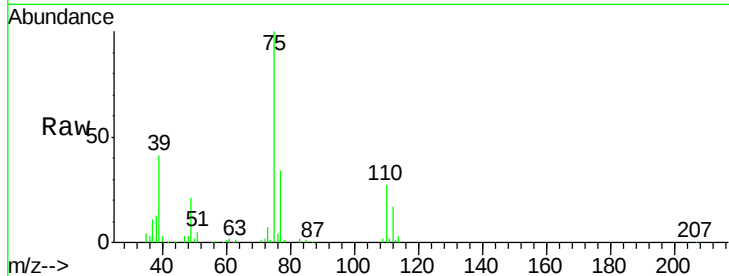
#53
 t-1,3-Dichloropropene
 Concen: 20.705 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion: 75 Resp: 58489
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.2 37.8

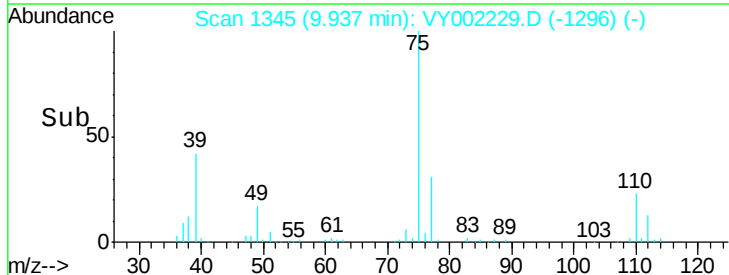
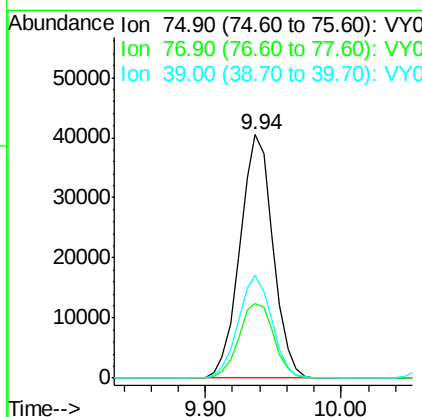
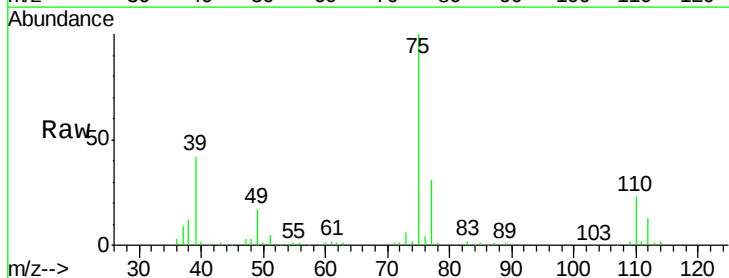
Manual Integrations
 APPROVED

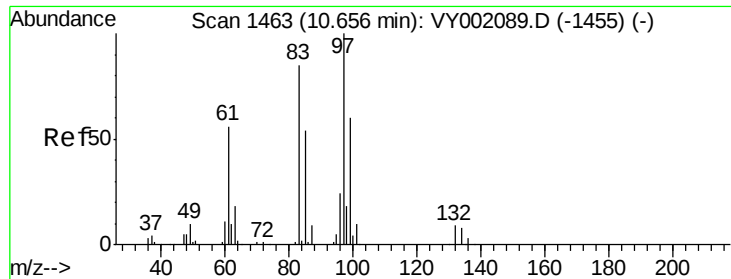
MMDadoda
 4/7/2020 7:06:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.610 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion: 75 Resp: 68547
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4
 39 42.3 35.2 52.8





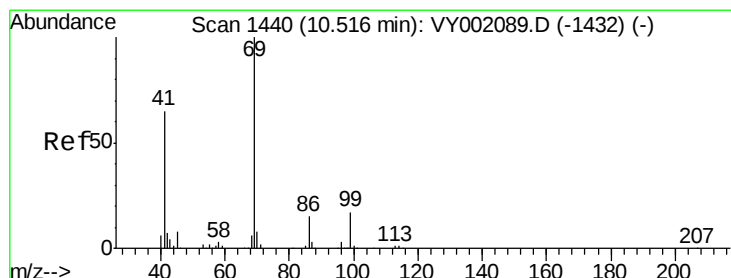
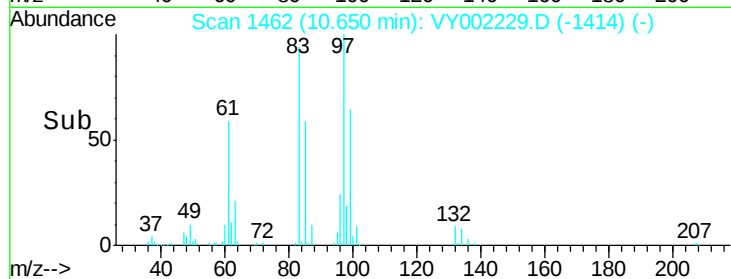
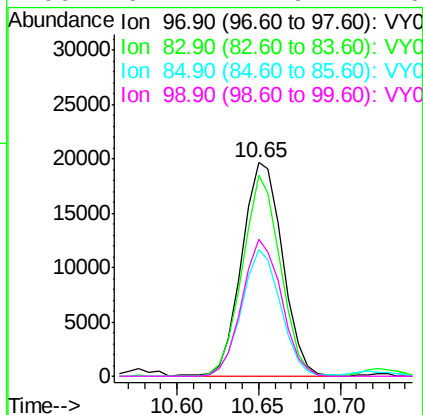
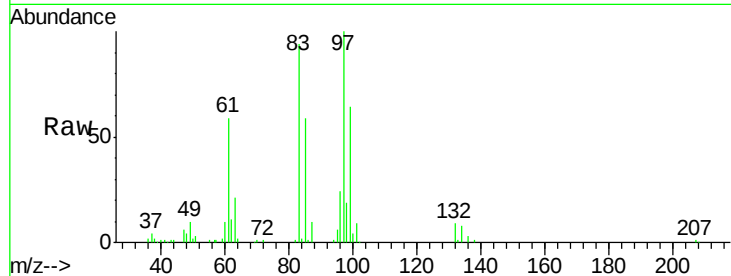
#55
 1,1,2-Trichloroethane
 Concen: 20.981 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion:	97	Resp:	33949
Ion	Ratio	Lower	Upper
97	100		
83	94.1	68.2	102.2
85	59.6	42.9	64.3
99	64.1	47.9	71.9

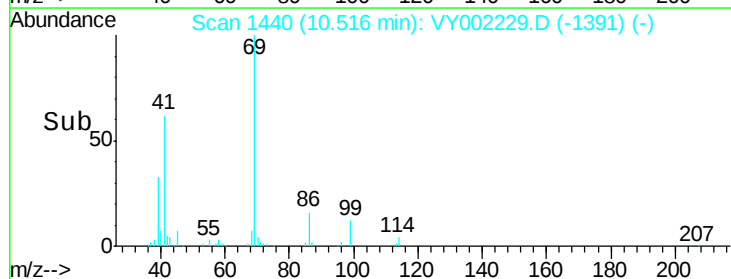
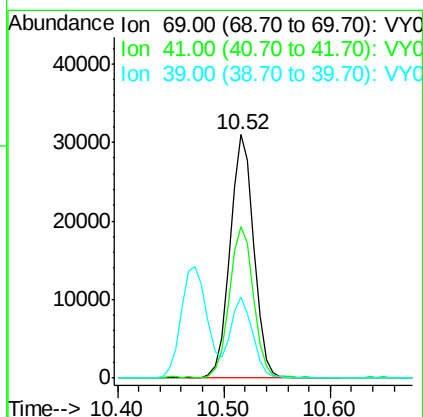
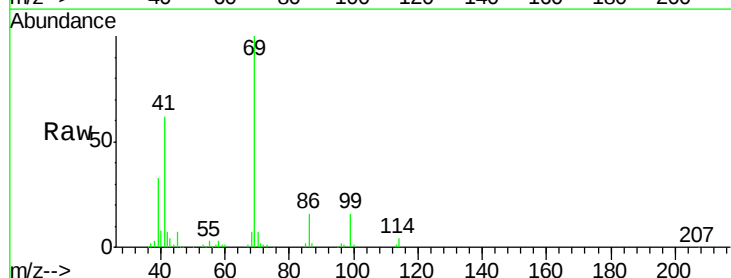
Manual Integrations
 APPROVED

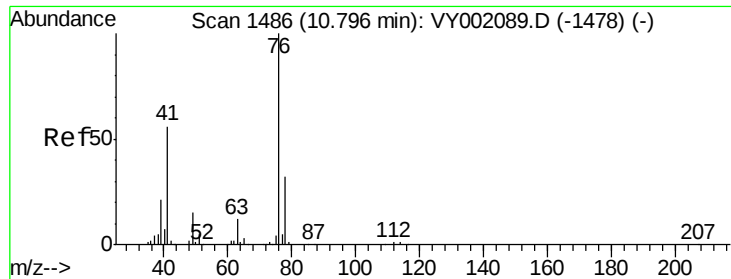
MMDadoda
 4/7/2020 7:06:25 PM



#56
 Ethyl methacrylate
 Concen: 20.544 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion:	69	Resp:	48553
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.8	79.2
39	30.4	25.0	37.6





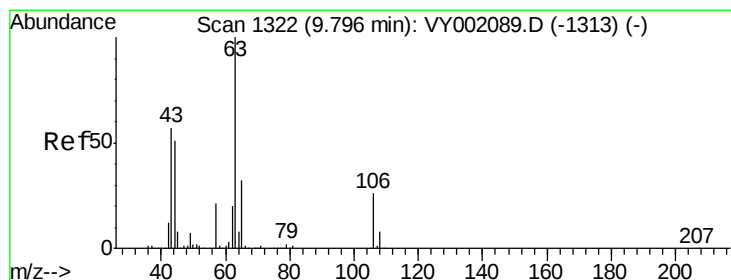
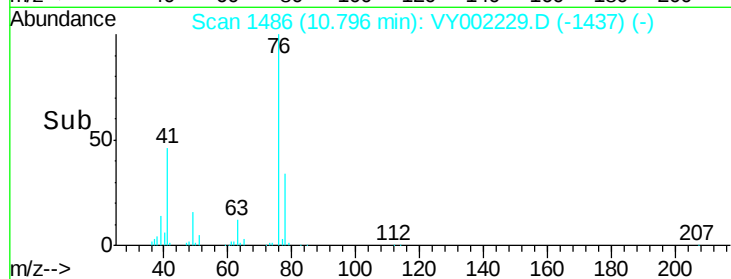
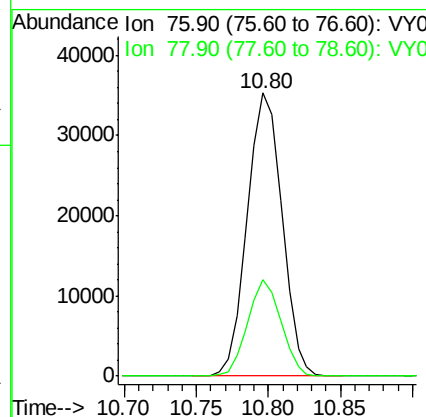
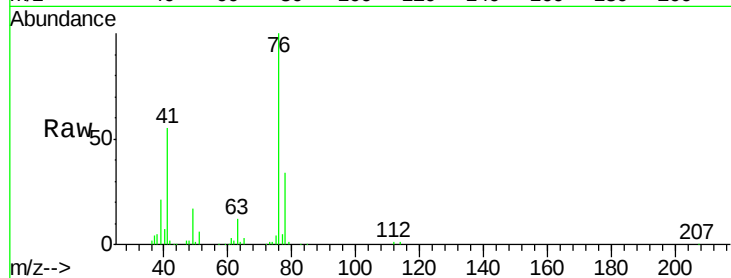
#57
 1,3-Dichloropropane
 Concen: 20.699 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

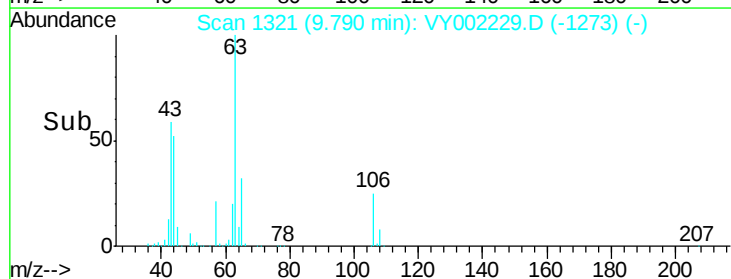
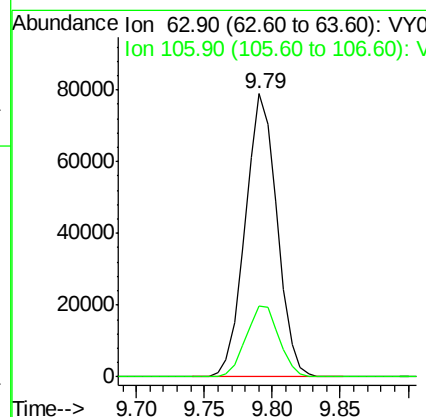
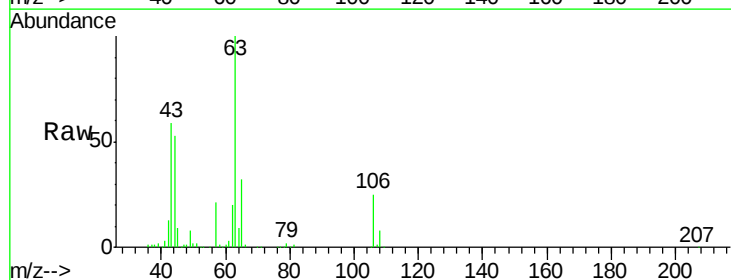
Manual Integrations
 APPROVED

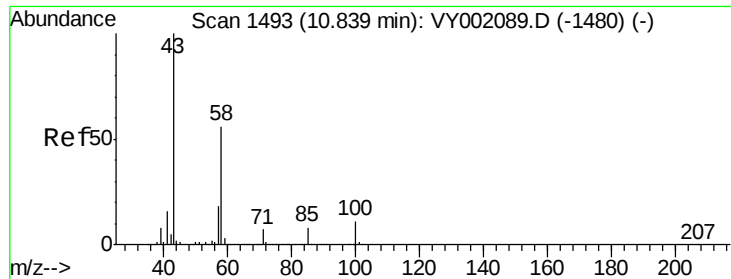
MMDadoda
 4/7/2020 7:06:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.394 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4





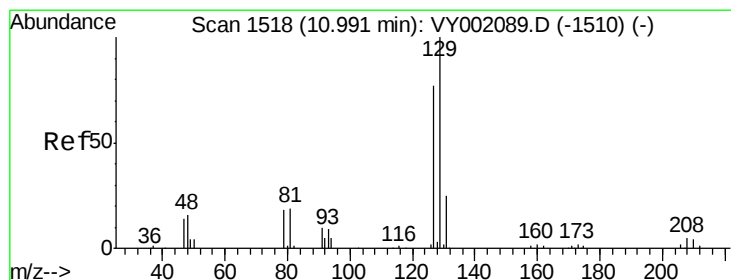
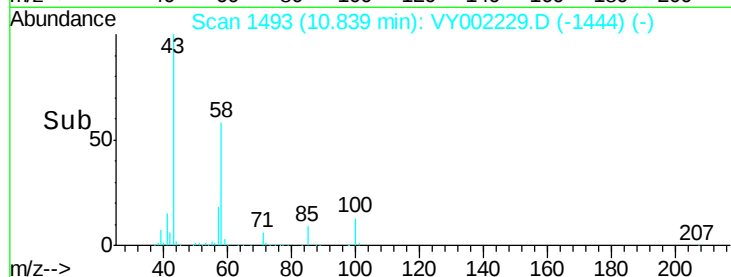
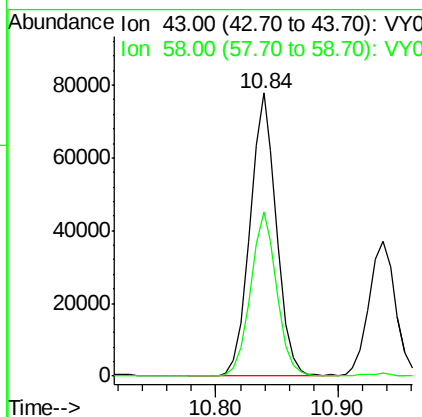
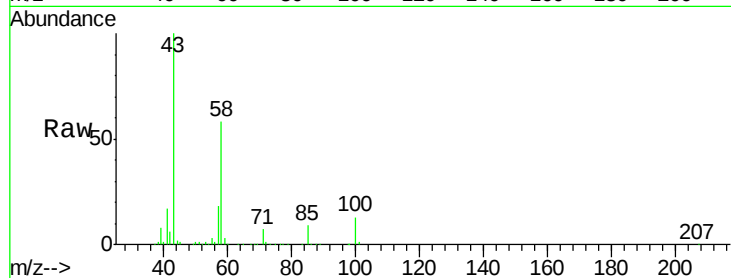
#59
2-Hexanone
Concen: 101.787 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion: 43 Resp: 116879
Ion Ratio Lower Upper
43 100
58 57.5 27.9 83.6

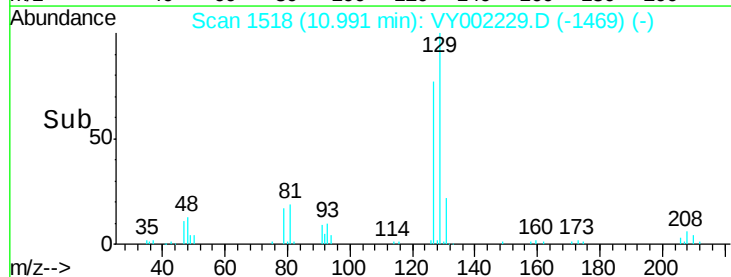
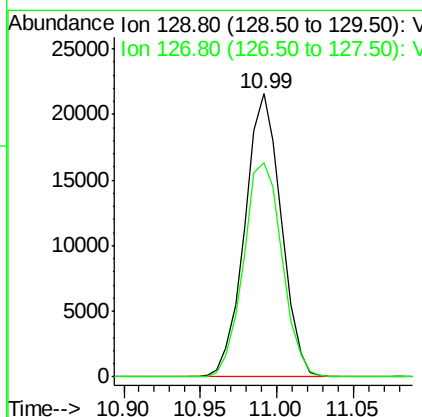
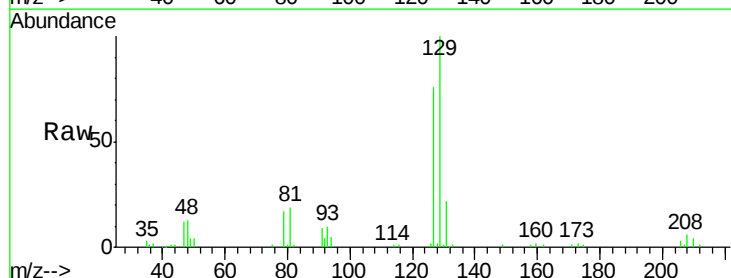
Manual Integrations
APPROVED

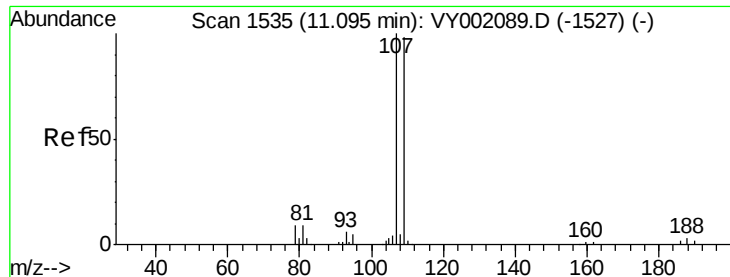
MMDadoda
4/7/2020 7:06:25 PM



#60
Dibromochloromethane
Concen: 21.067 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion: 129 Resp: 35670
Ion Ratio Lower Upper
129 100
127 80.1 38.7 116.1





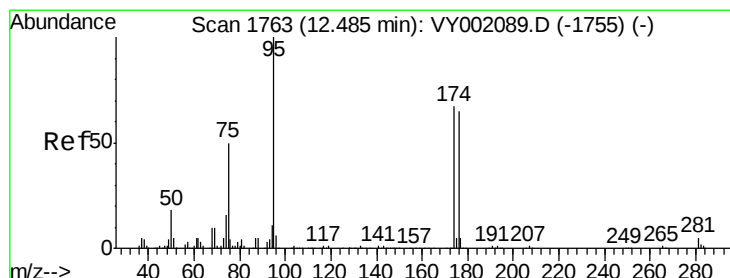
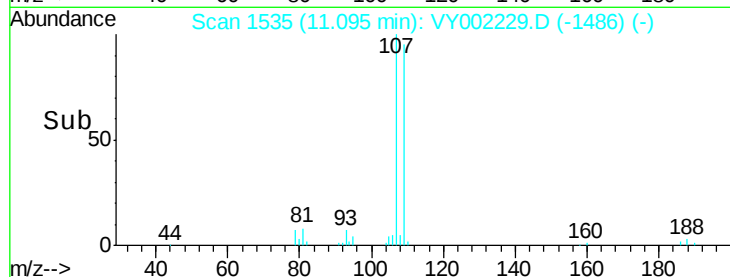
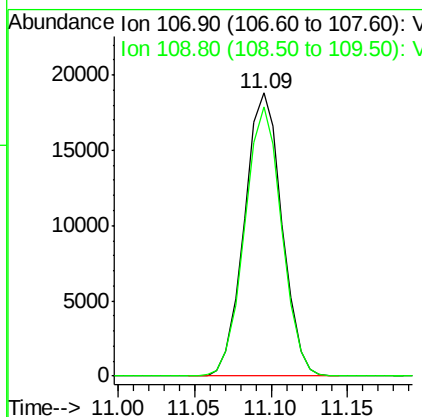
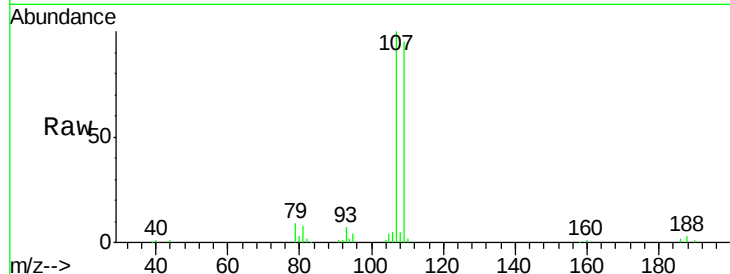
#61
 1,2-Dibromoethane
 Concen: 21.148 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.3	114.5

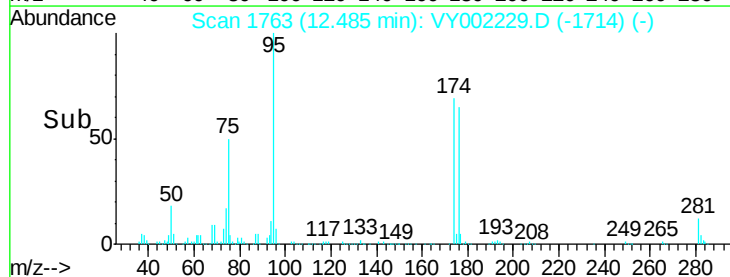
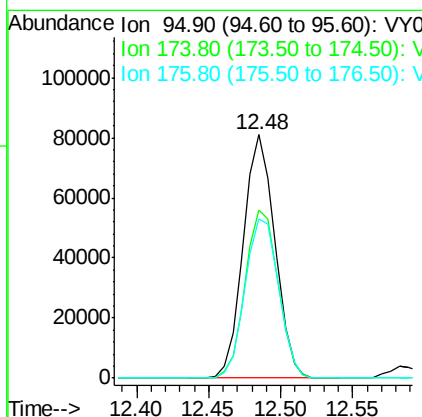
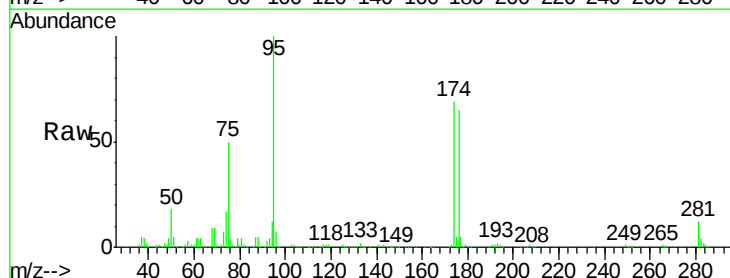
Manual Integrations
 APPROVED

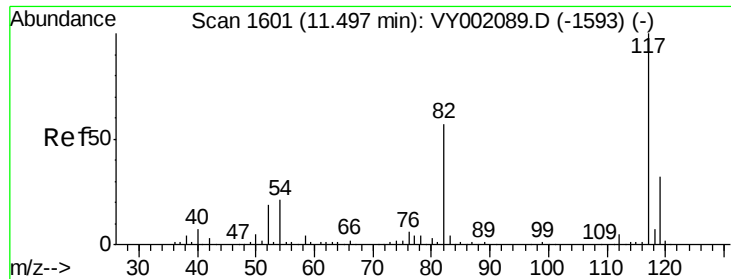
MMDadoda
 4/7/2020 7:06:25 PM



#62
 4-Bromofluorobenzene
 Concen: 50.612 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	143.4
176	69.6	0.0	137.0





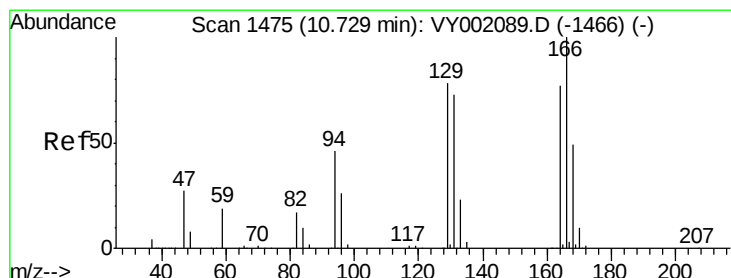
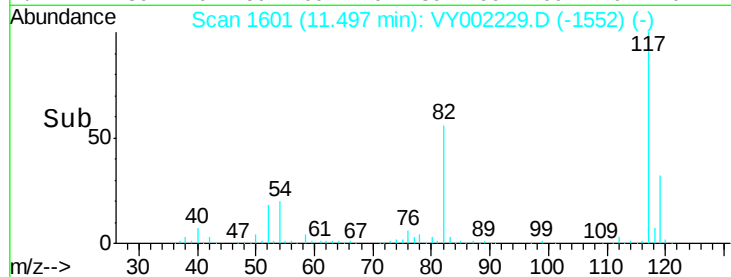
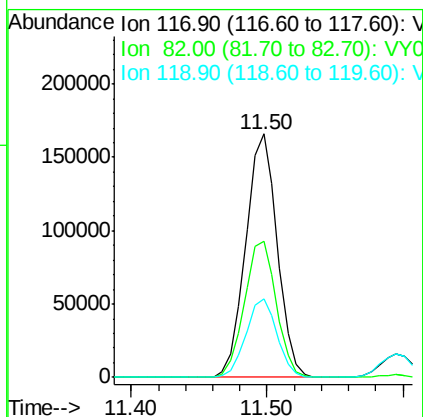
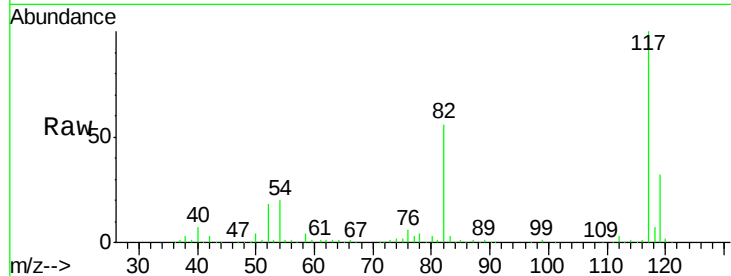
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.4	68.2
119	32.4	25.3	37.9

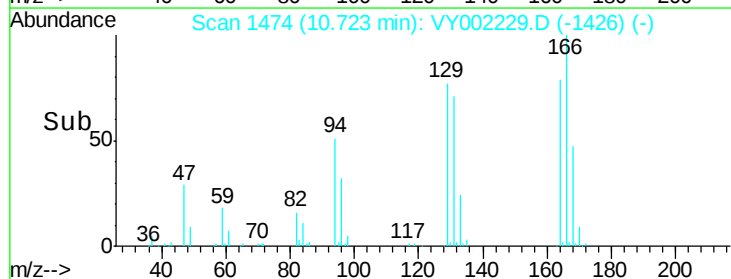
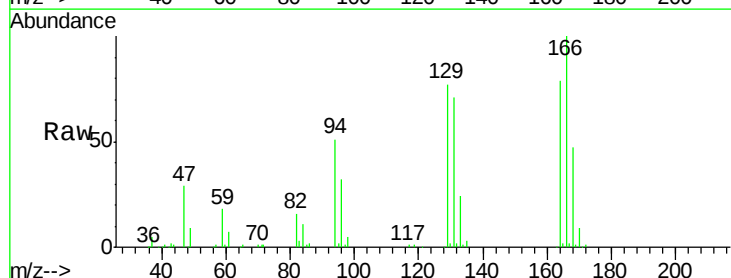
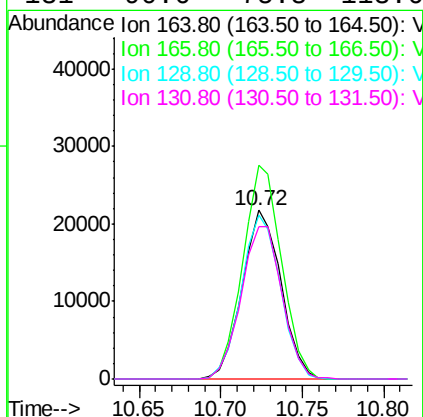
Manual Integrations
APPROVED

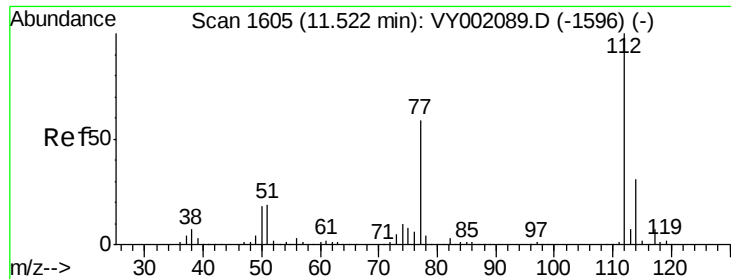
MMDadoda
4/7/2020 7:06:25 PM



#64
Tetrachloroethene
Concen: 21.931 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.0	156.0
129	97.2	81.2	121.8
131	90.6	75.8	113.6





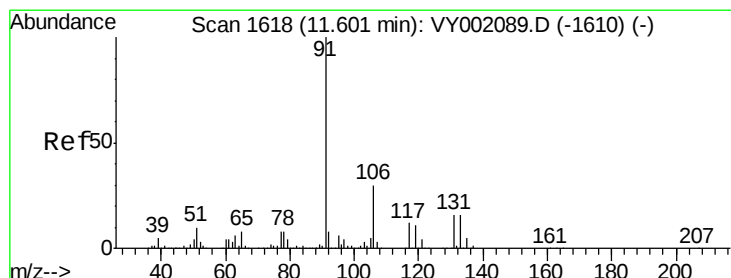
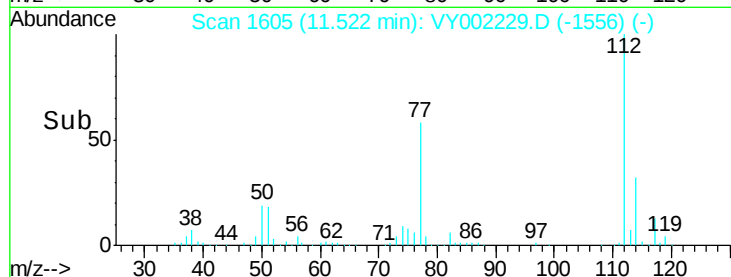
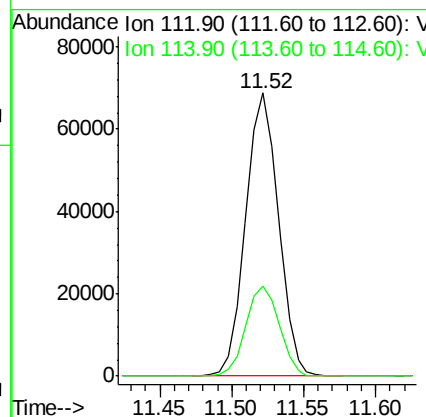
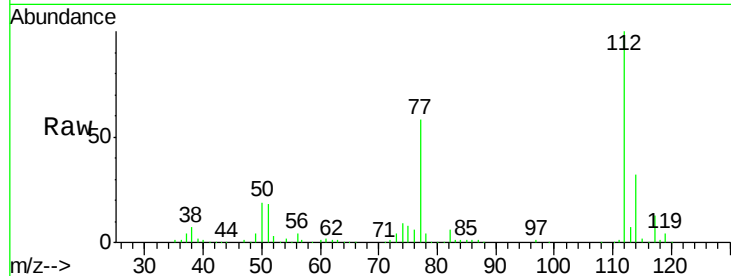
#65
Chlorobenzene
Concen: 20.907 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3

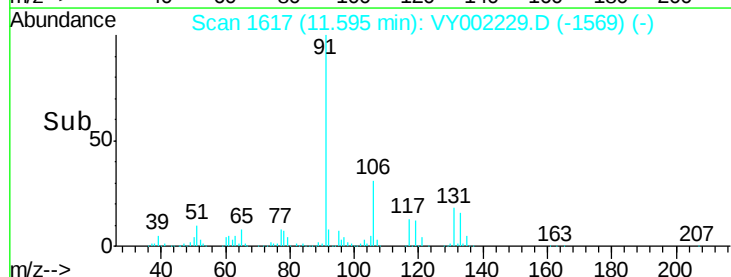
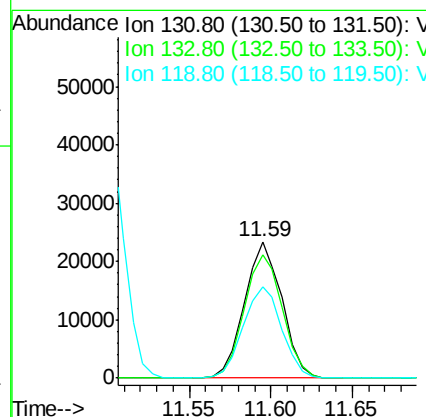
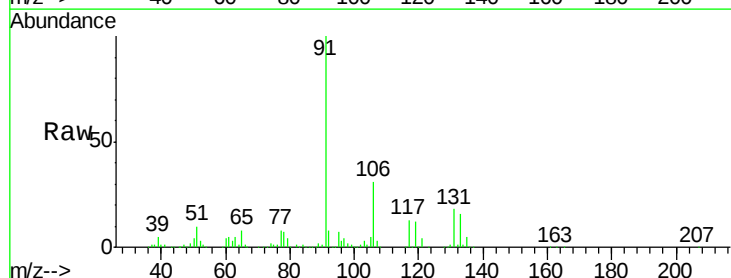
Manual Integrations
APPROVED

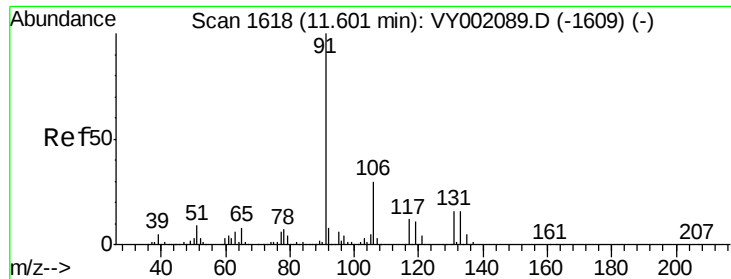
MMDadoda
4/7/2020 7:06:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.387 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.5	142.5
119	69.3	34.6	103.9





#67

Ethyl Benzene

Concen: 21.005 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 91 Resp: 202592

Ion Ratio Lower Upper

91 100

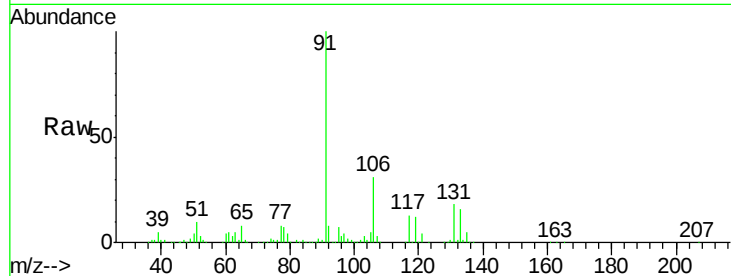
106 30.8 24.1 36.1

Manual Integrations

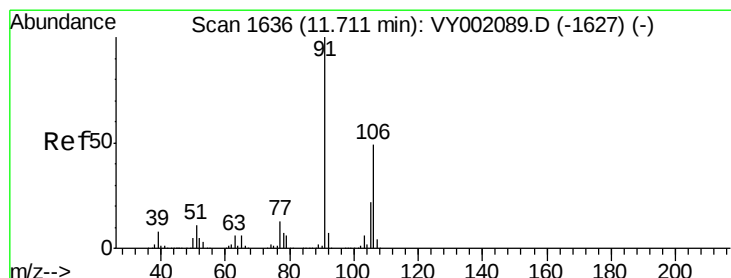
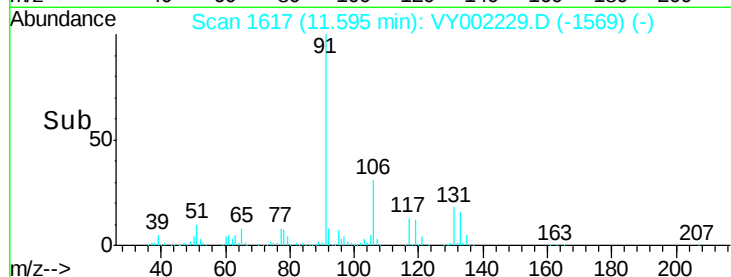
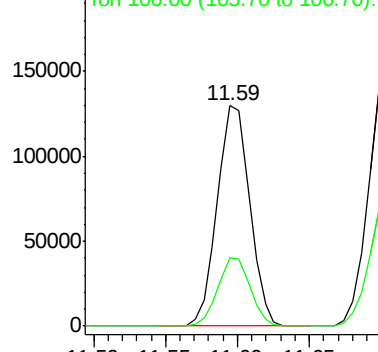
APPROVED

MMDadoda

4/7/2020 7:06:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1609) (-)



#68

m/p-Xylenes

Concen: 42.310 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002229.D

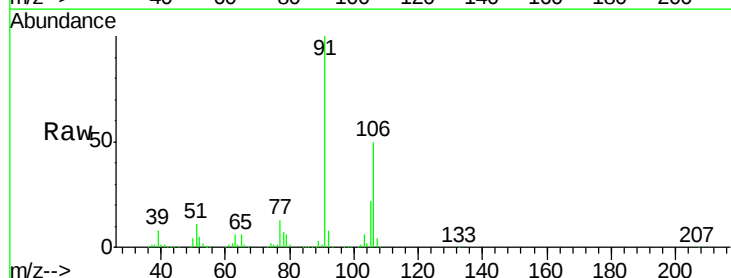
Acq: 06 Apr 2020 12:18

Tgt Ion: 106 Resp: 150880

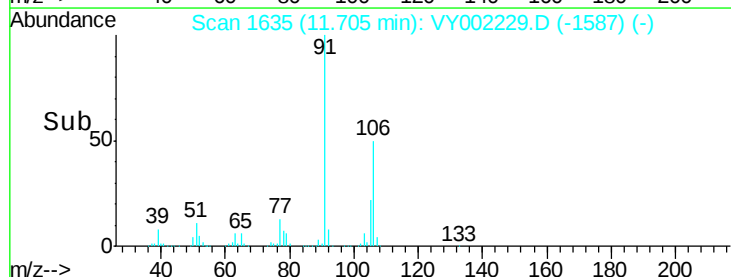
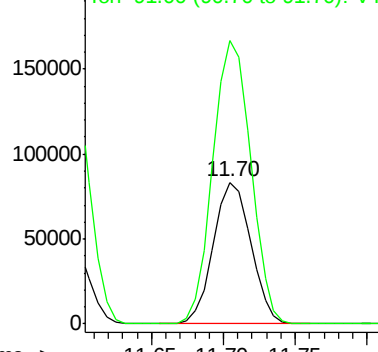
Ion Ratio Lower Upper

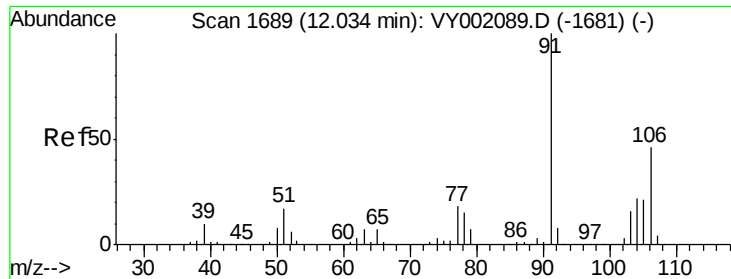
106 100

91 202.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VY002089.D (-1627) (-)





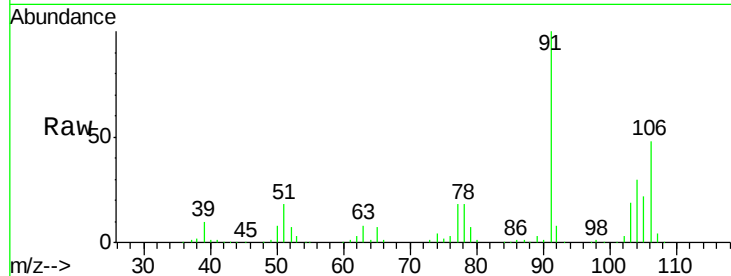
#69
o-Xylene
Concen: 20.962 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleID :
VY0406SBS01

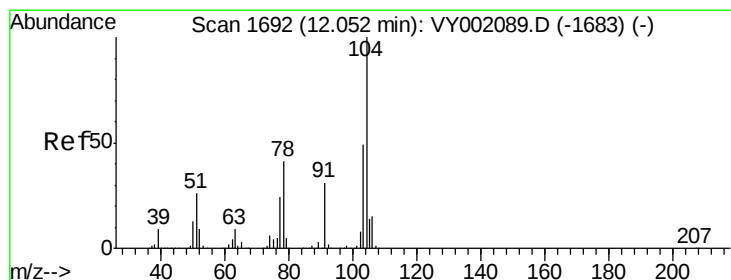
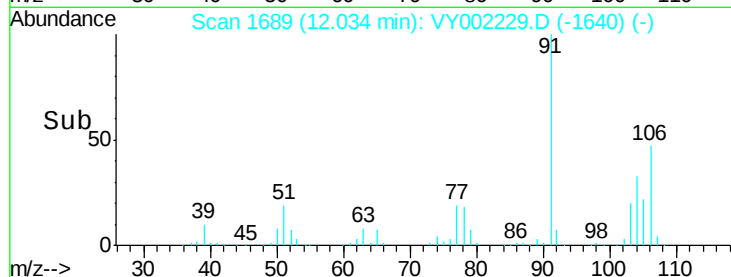
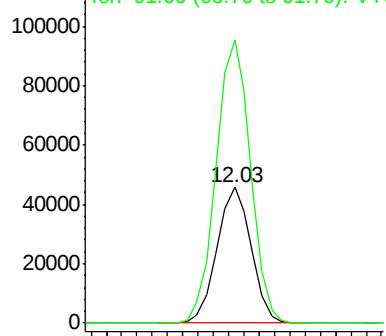
Tot Ion:106 Resp: 70909
Ion Ratio Lower Upper
106 100
91 209.8 107.3 321.8

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM

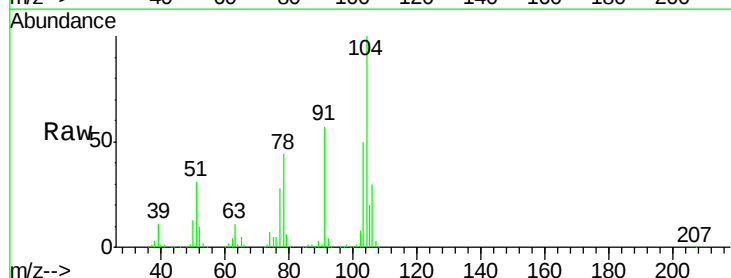


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

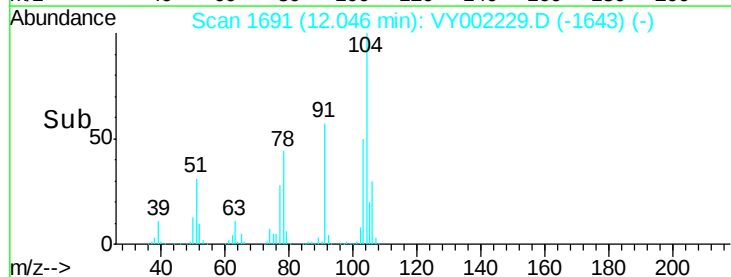
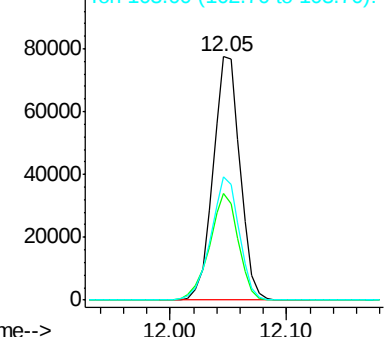


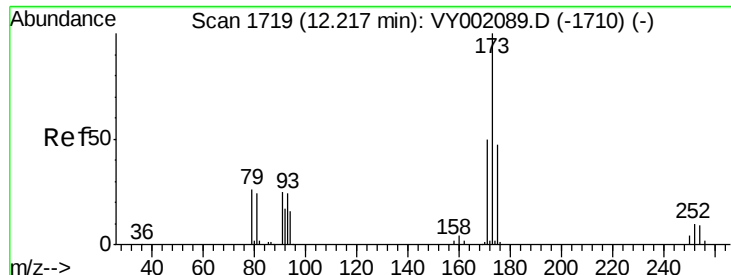
#70
Styrene
Concen: 21.211 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion:104 Resp: 124334
Ion Ratio Lower Upper
104 100
78 46.8 37.9 56.9
103 53.4 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





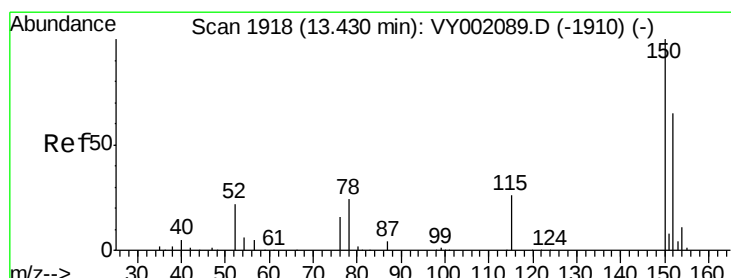
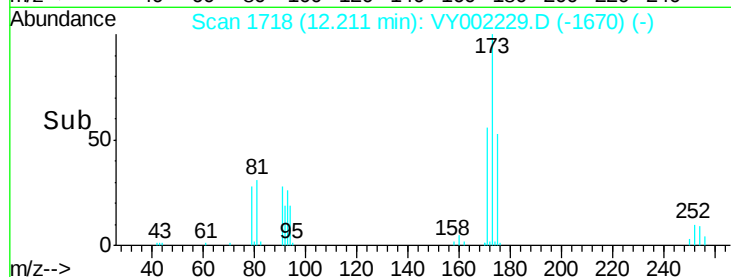
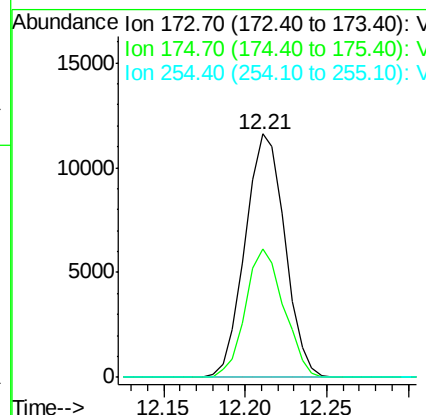
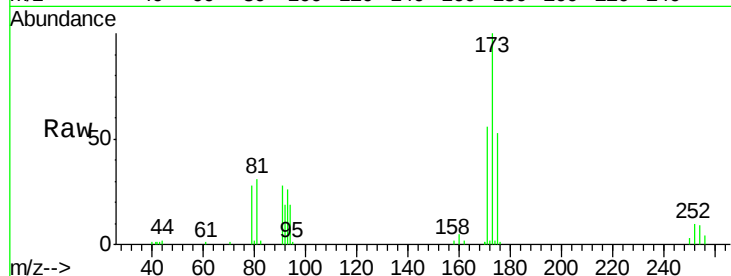
#71
Bromoform
Concen: 20.765 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	23.9	71.8
254	0.0	0.0	0.0

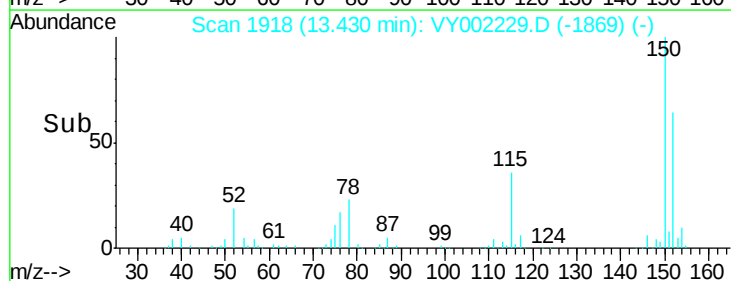
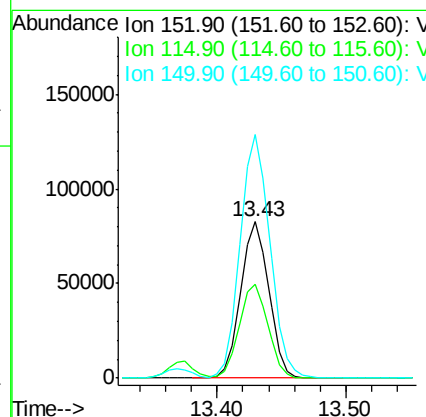
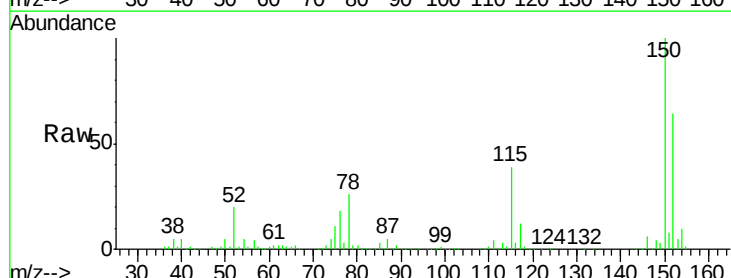
Manual Integrations
APPROVED

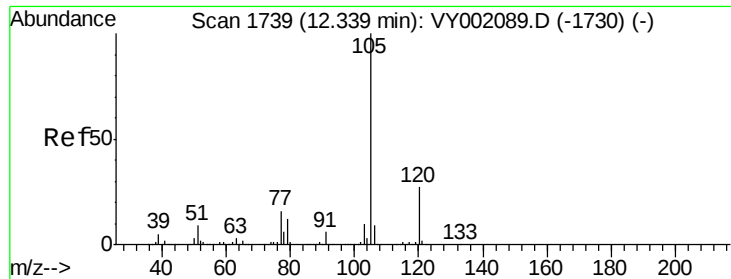
MMDadoda
4/7/2020 7:06:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.2	93.6
150	165.1	0.0	354.8





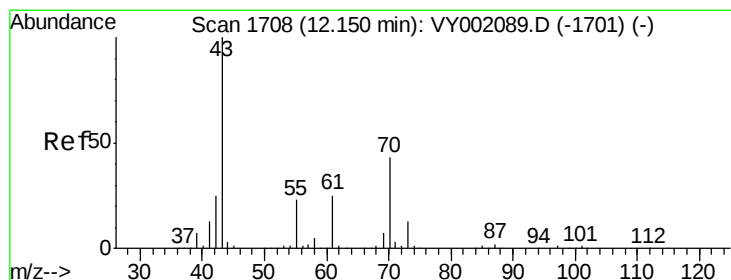
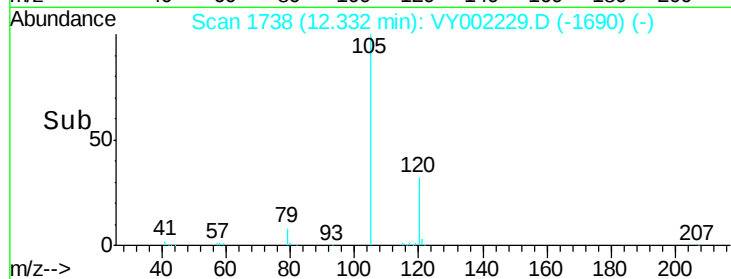
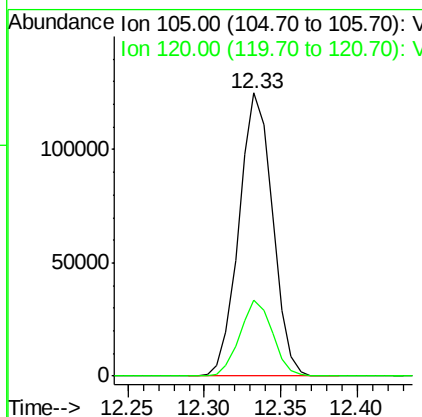
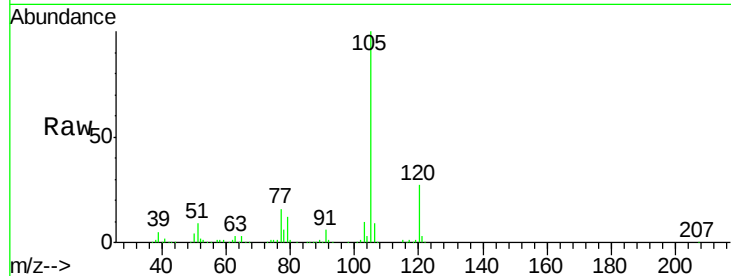
#73
Isopropylbenzene
Concen: 20.551 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8

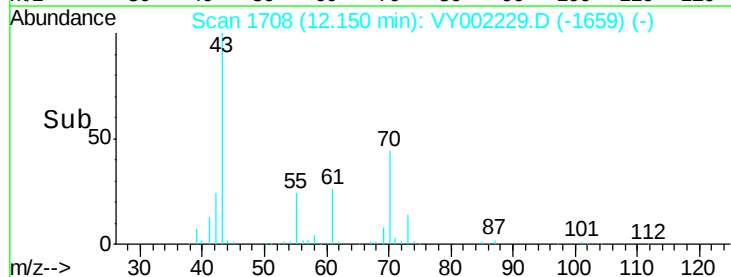
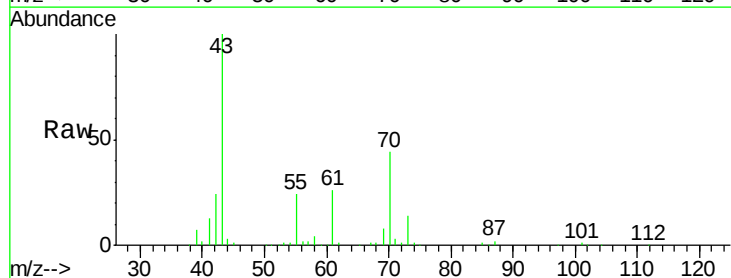
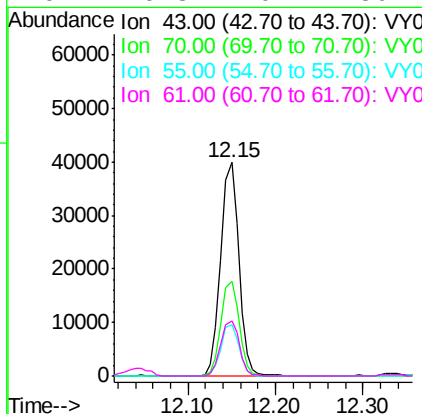
Manual Integrations
APPROVED

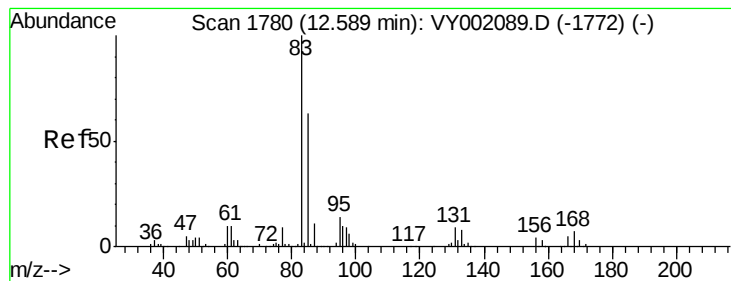
MMDadoda
4/7/2020 7:06:25 PM



#74
N-ethyl acetate
Concen: 19.634 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.0	52.4
55	24.0	18.7	28.1
61	26.3	20.2	30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.965 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

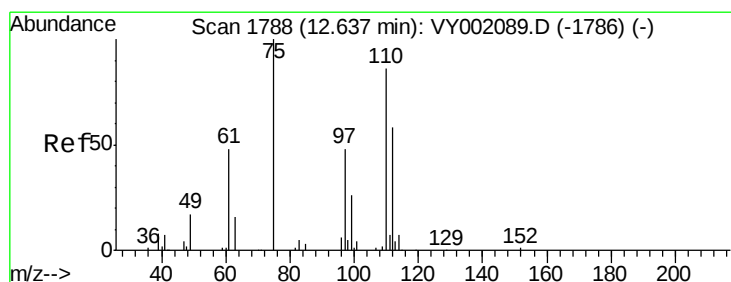
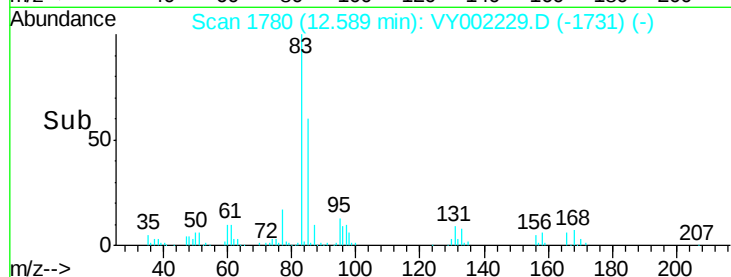
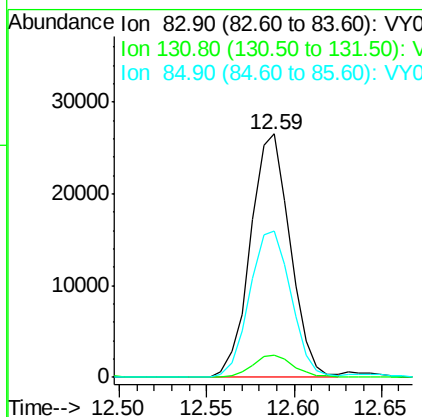
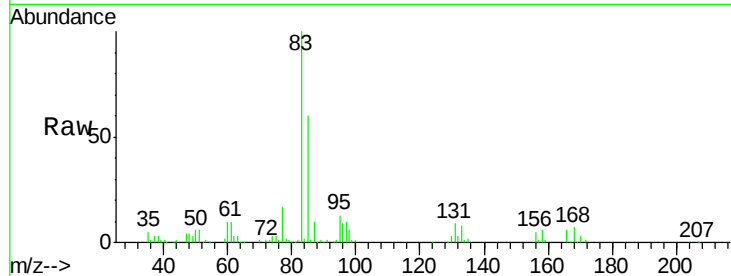
ClientSampleId :

VY0406SBS01

Tot Ion:	83	Resp:	41817
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	63.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM



#76

1,2,3-Trichloropropane

Concen: 24.192 ug/l m

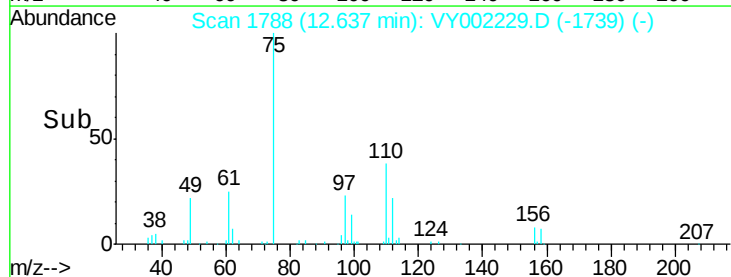
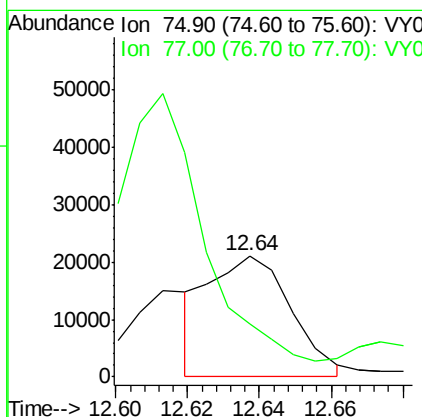
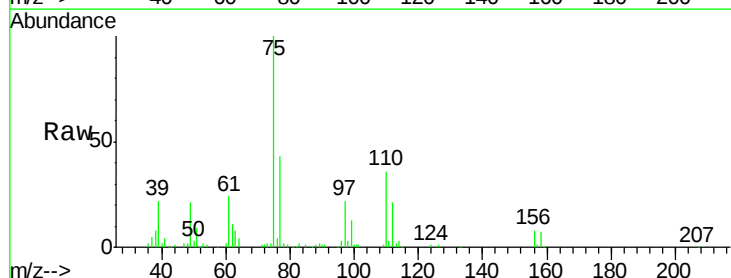
RT: 12.64 min Scan# 1788

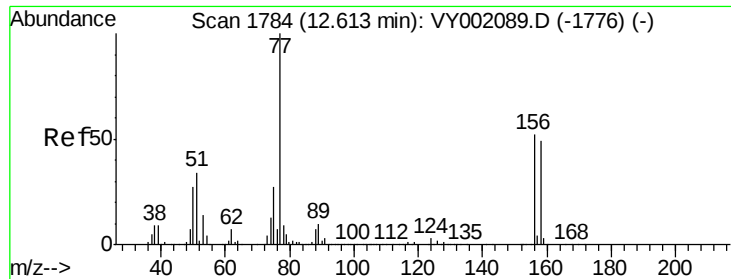
Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Tgt Ion:	75	Resp:	33814
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.254 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion:156 Resp: 42056

Ion Ratio Lower Upper

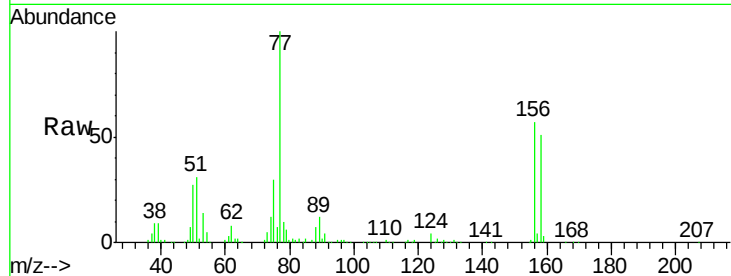
156 100

77 207.7 107.8 323.6

158 95.1 47.5 142.6

Manual Integrations
APPROVED

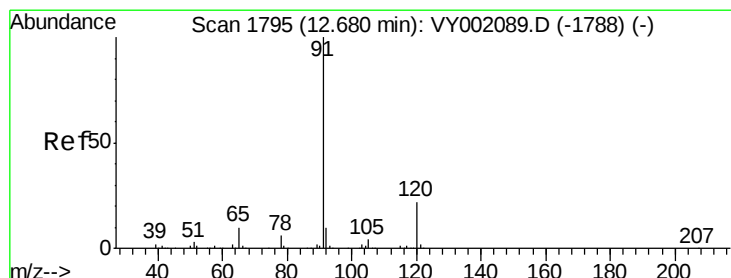
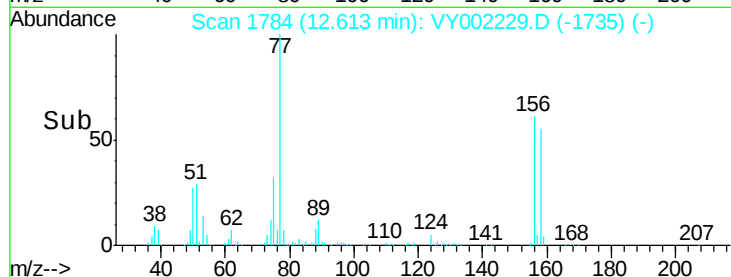
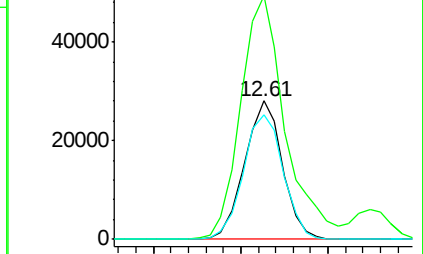
MMDadoda
4/7/2020 7:06:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.398 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002229.D

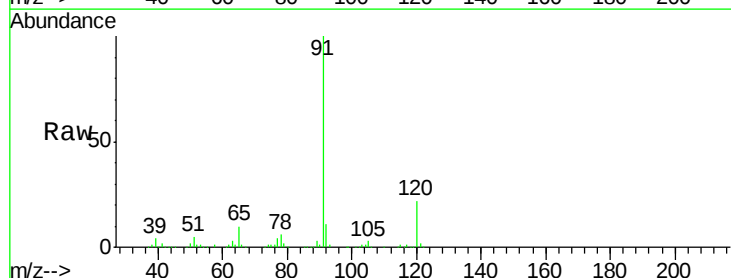
Acq: 06 Apr 2020 12:18

Tgt Ion: 91 Resp: 234635

Ion Ratio Lower Upper

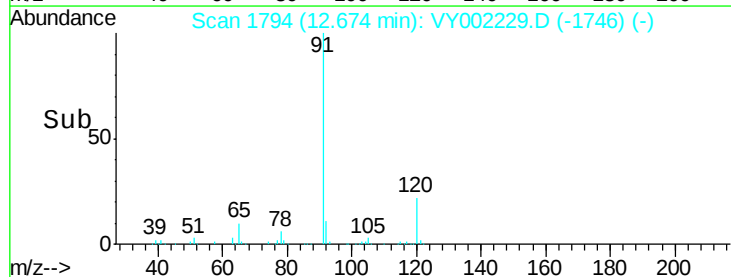
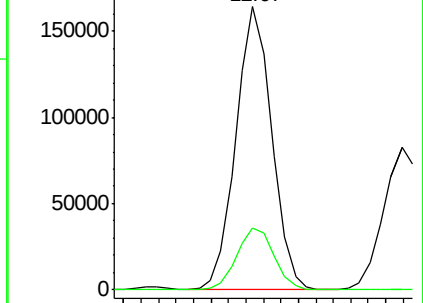
91 100

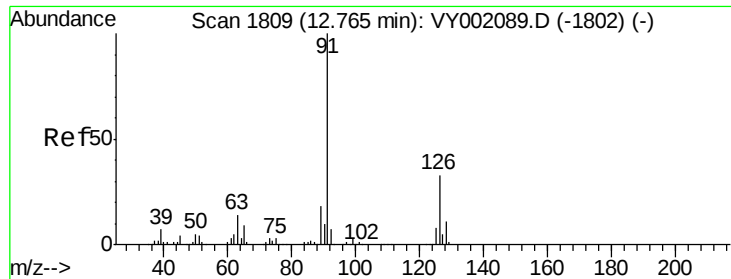
120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





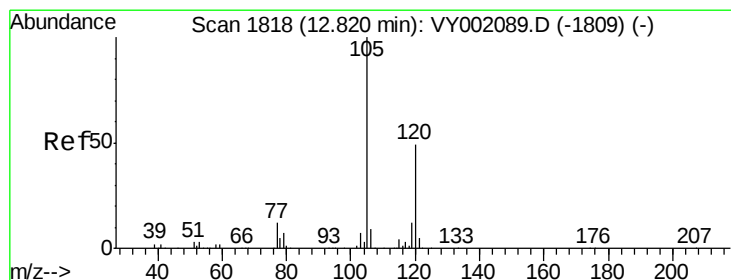
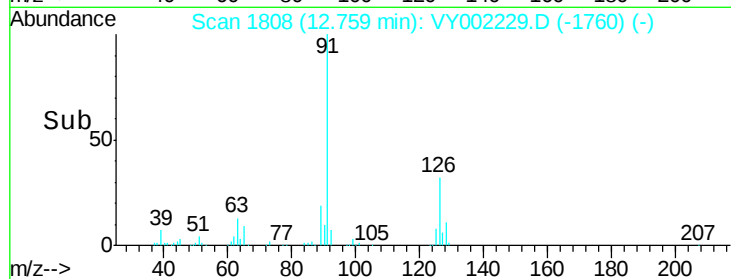
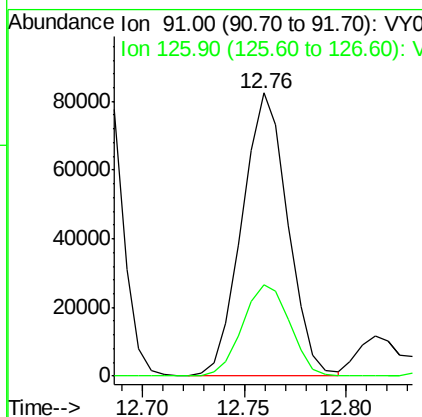
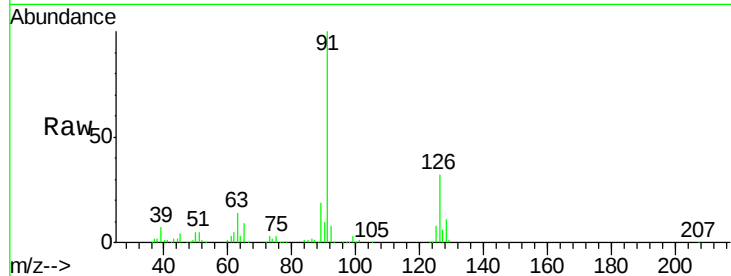
#79
 2-Chlorotoluene
 Concen: 20.444 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	129121		
126	33.5	16.4	49.1	

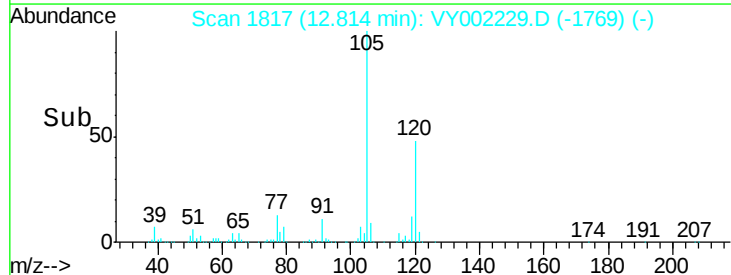
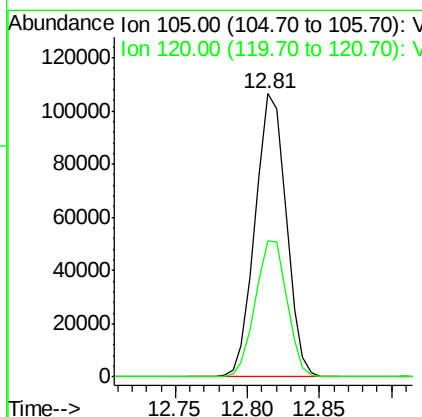
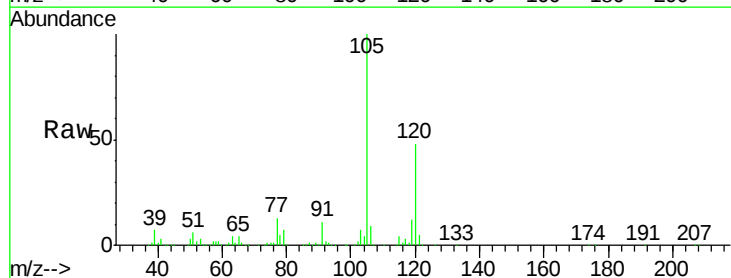
Manual Integrations
 APPROVED

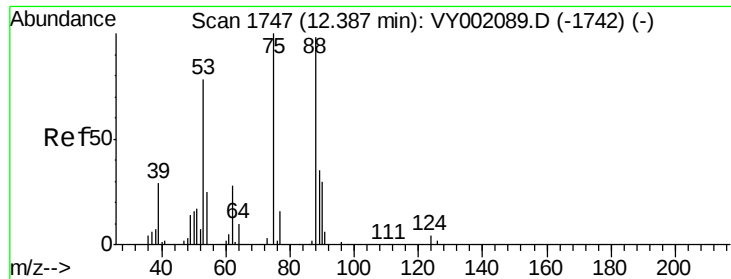
MMDadoda
 4/7/2020 7:06:25 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.704 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158336		
120	49.1	24.1	72.4	





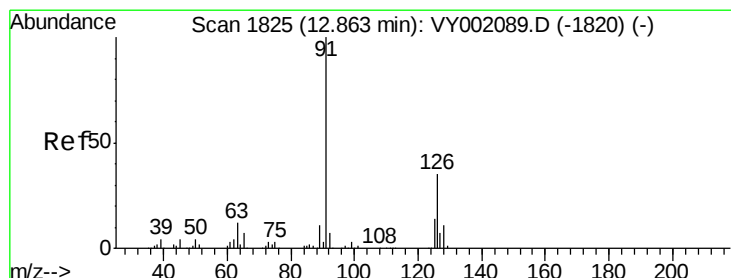
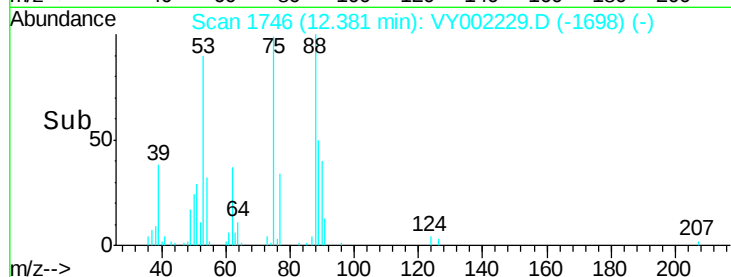
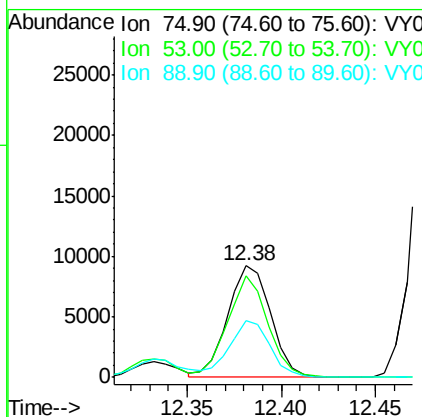
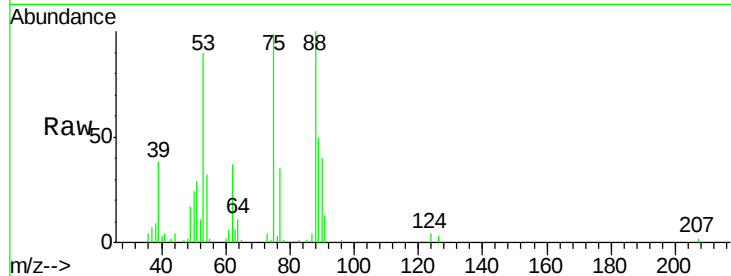
#81
trans-1,4-Dichloro-2-butene
Concen: 19.850 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	65.0	97.4
89	48.9	33.4	50.0

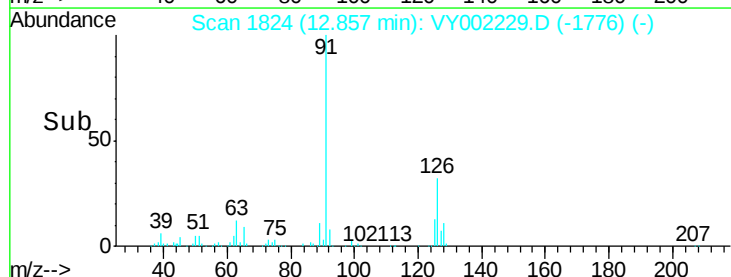
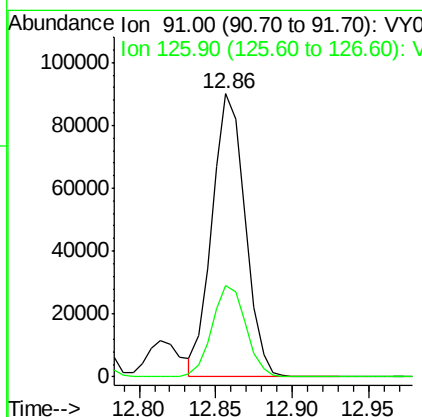
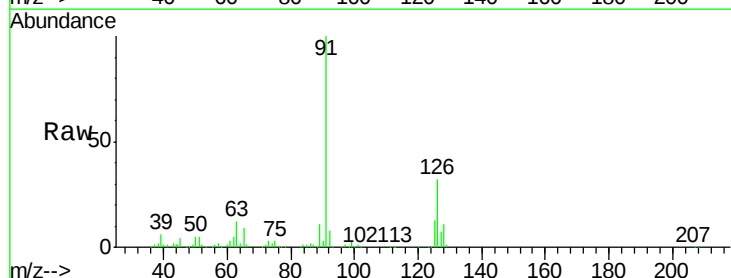
Manual Integrations
APPROVED

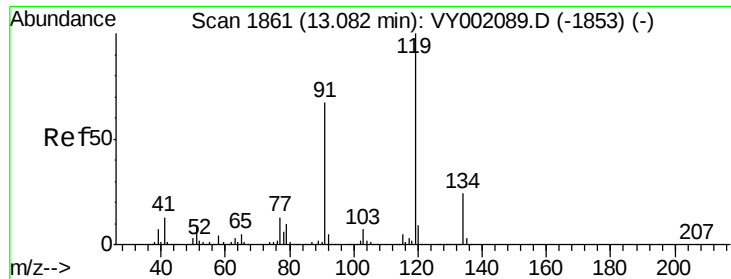
MMDadoda
4/7/2020 7:06:25 PM



#82
4-Chlorotoluene
Concen: 20.312 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.9





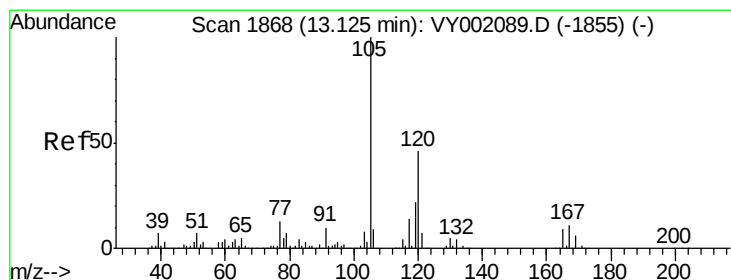
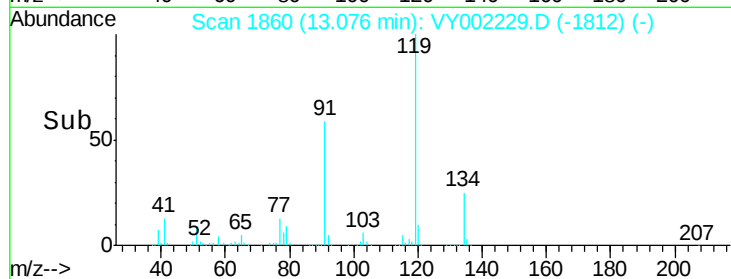
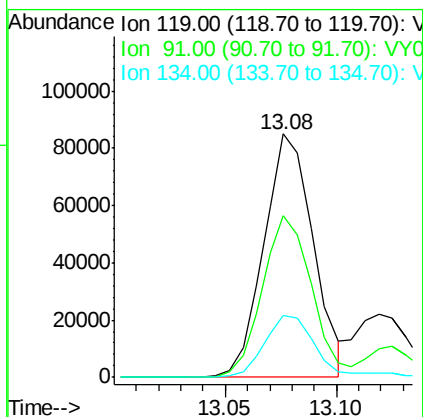
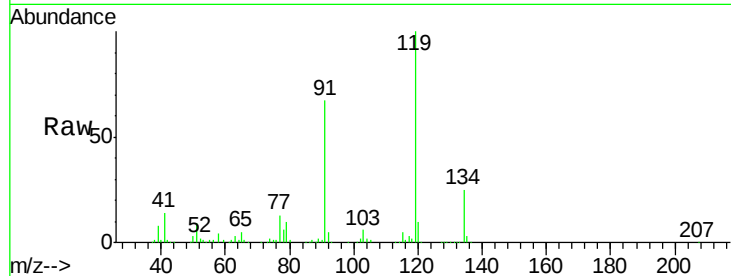
#83
 tert-Butylbenzene
 Concen: 20.452 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130553		
91	66.5		32.9	98.6
134	26.9		13.0	38.9

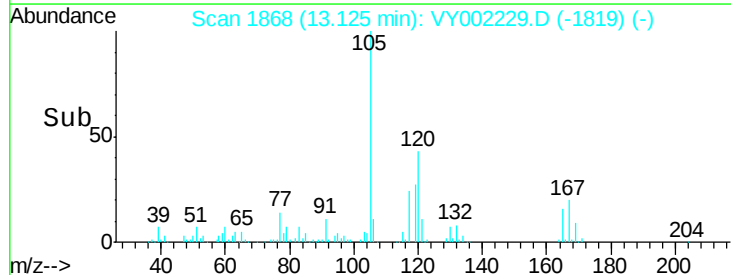
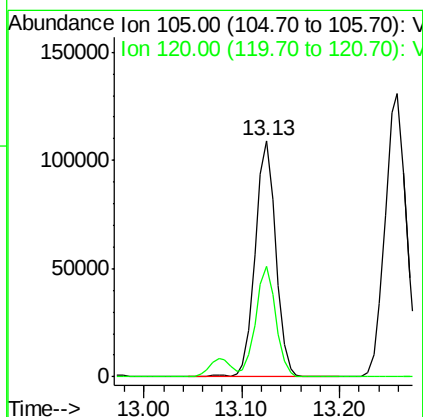
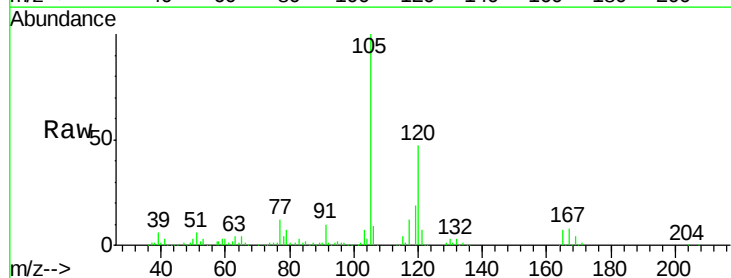
Manual Integrations
 APPROVED

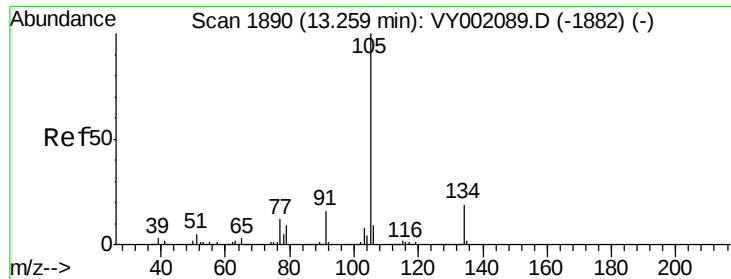
MMDadoda
 4/7/2020 7:06:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.838 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158998		
120	45.6		22.9	68.5





#85

sec-Butylbenzene

Concen: 20.627 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion:105 Resp: 195028

Ion Ratio Lower Upper

105 100

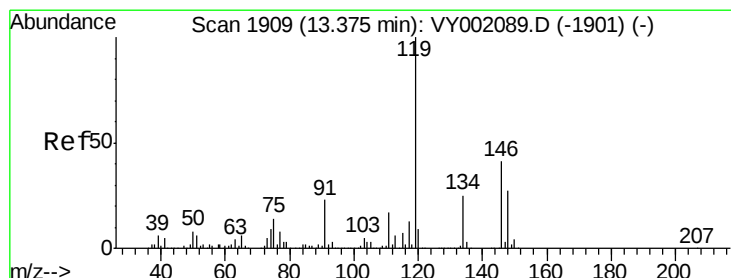
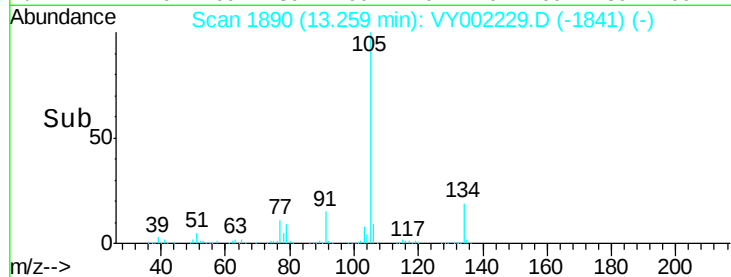
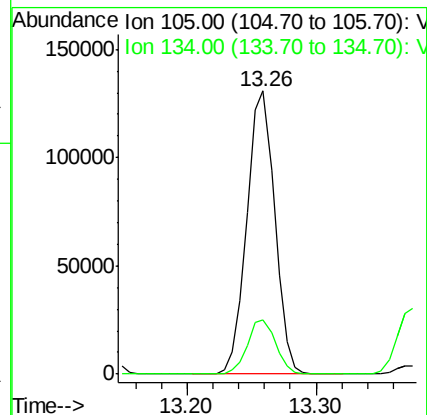
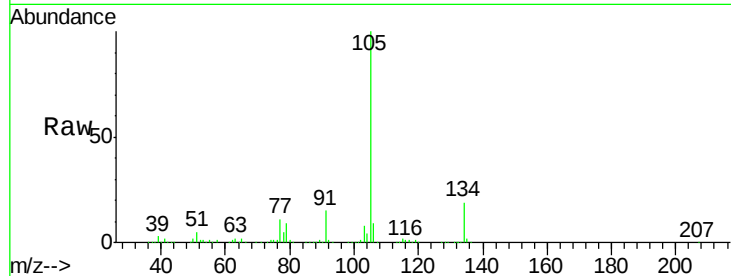
134 19.3 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:25 PM



#86

p-Isopropyltoluene

Concen: 20.726 ug/l

RT: 13.37 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002229.D

Acq: 06 Apr 2020 12:18

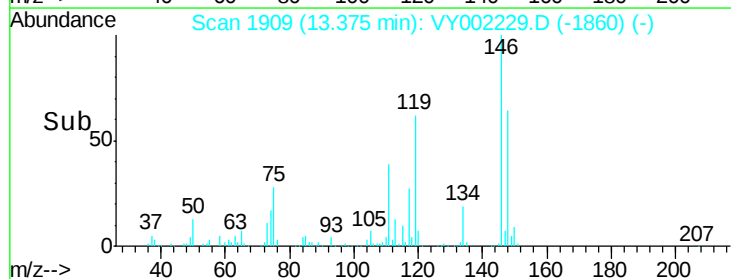
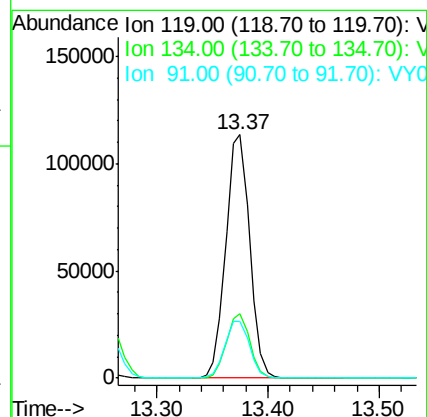
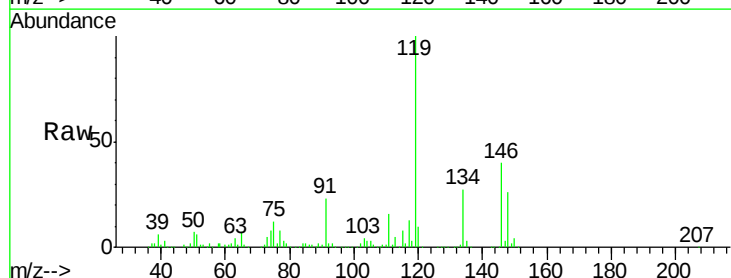
Tgt Ion:119 Resp: 168282

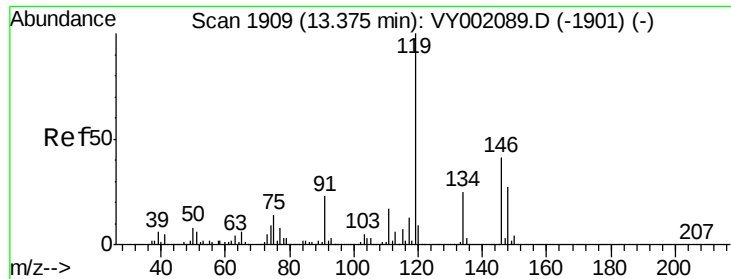
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 11.8 35.3





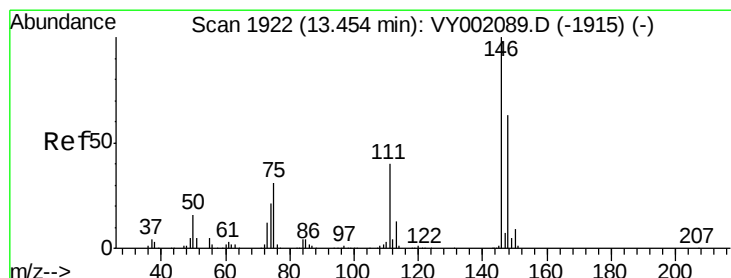
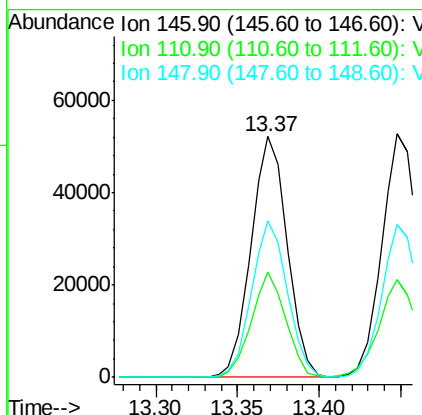
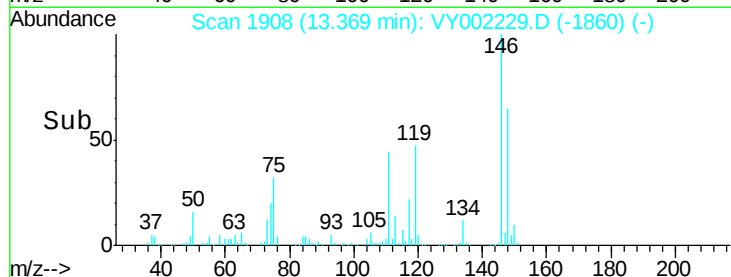
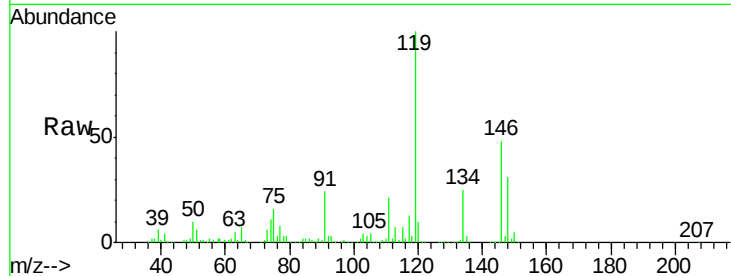
#87
 1,3-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	64.2	32.1	96.5

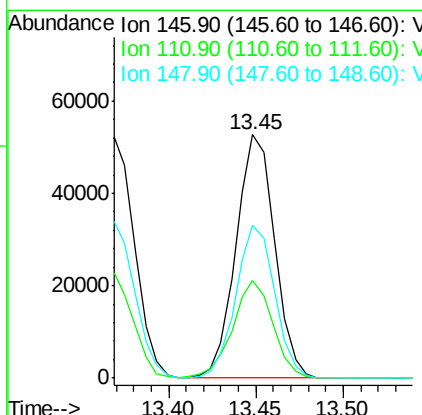
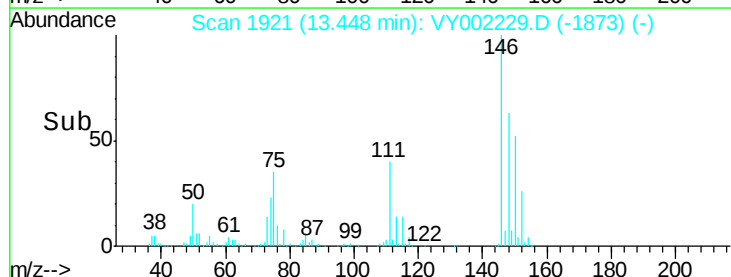
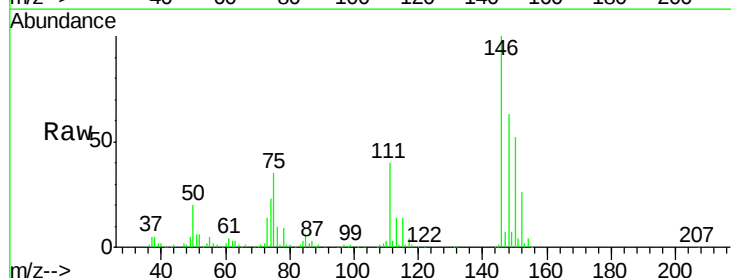
Manual Integrations
 APPROVED

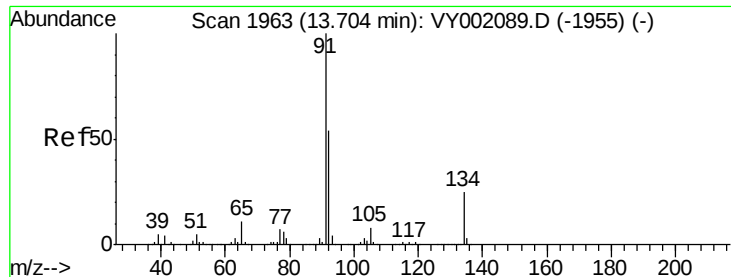
MMDadoda
 4/7/2020 7:06:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.835 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.9
148	63.1	31.5	94.5





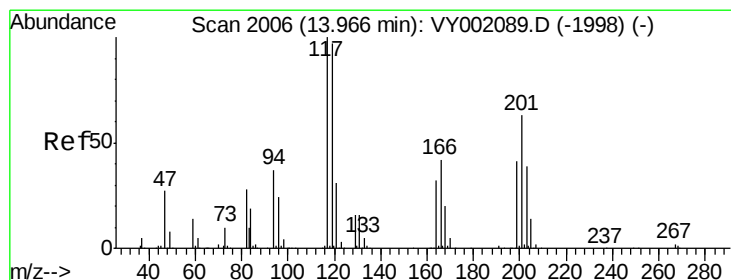
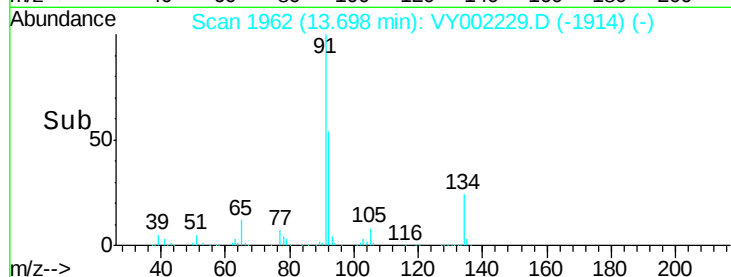
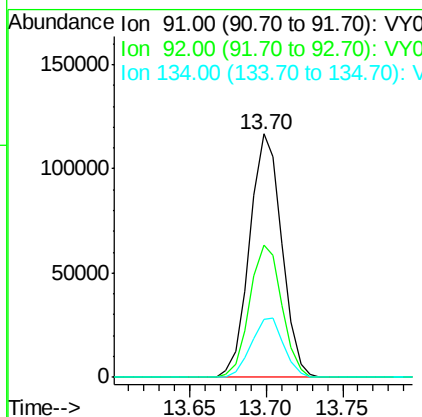
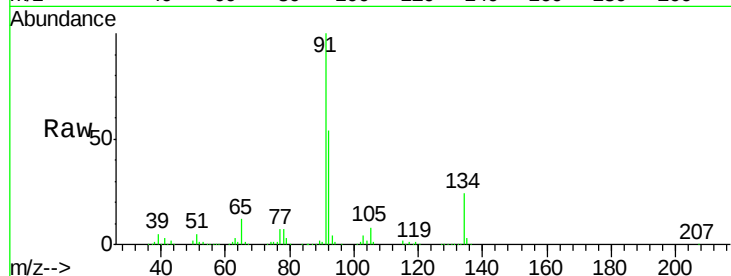
#89
n-Butylbenzene
Concen: 20.170 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.0	81.0	
134	24.8	12.3	36.8	

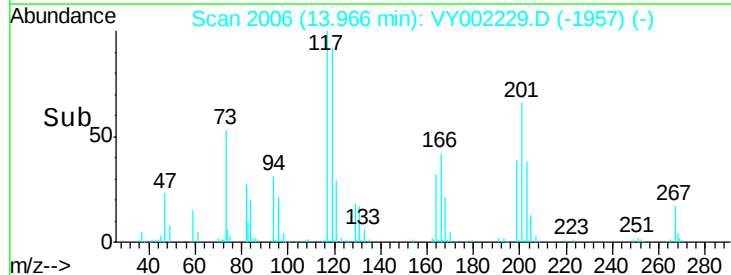
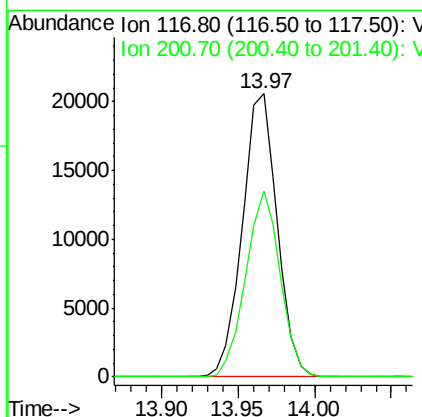
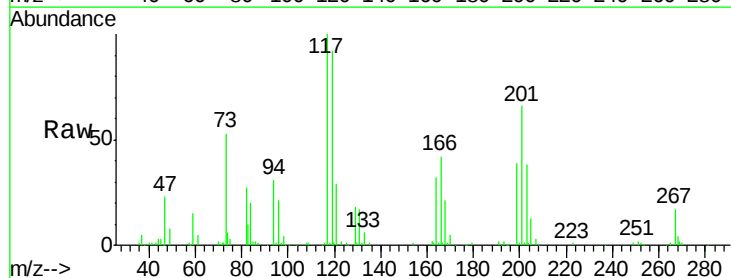
Manual Integrations
APPROVED

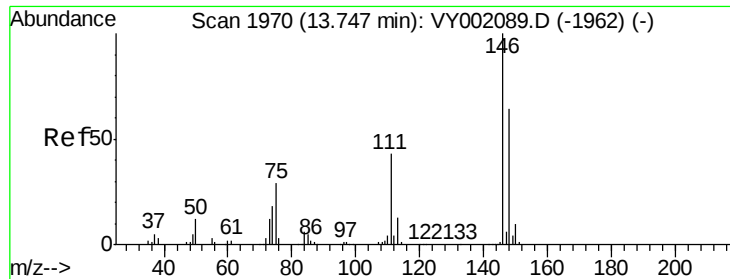
MMDadoda
4/7/2020 7:06:25 PM



#90
Hexachloroethane
Concen: 21.270 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	64.9	31.6	94.8	





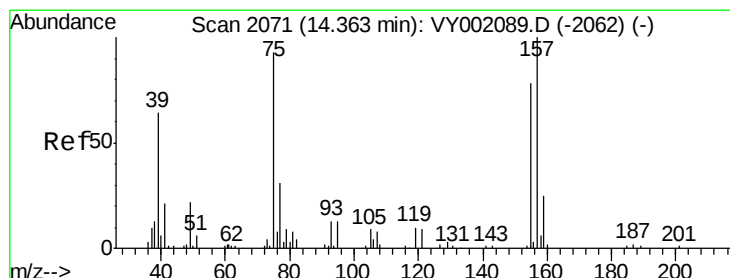
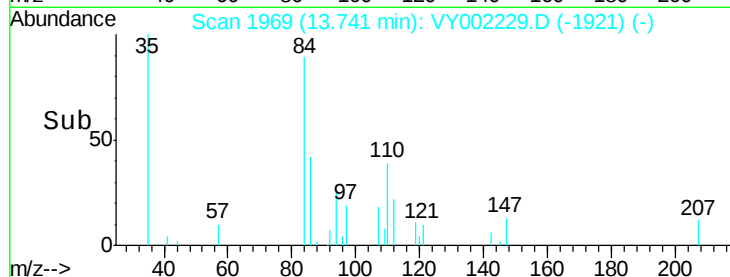
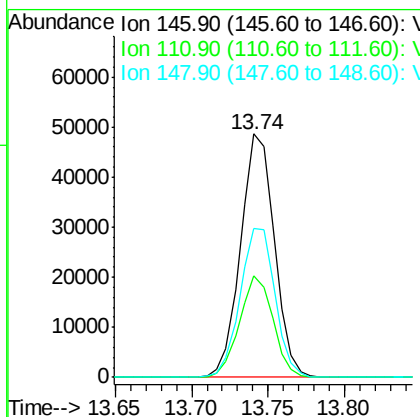
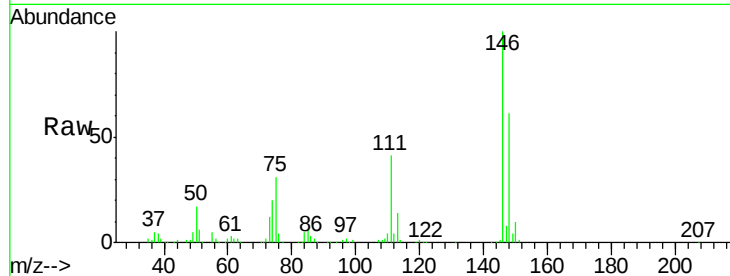
#91
 1,2-Dichlorobenzene
 Concen: 20.898 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.7
148	63.0	31.8	95.4

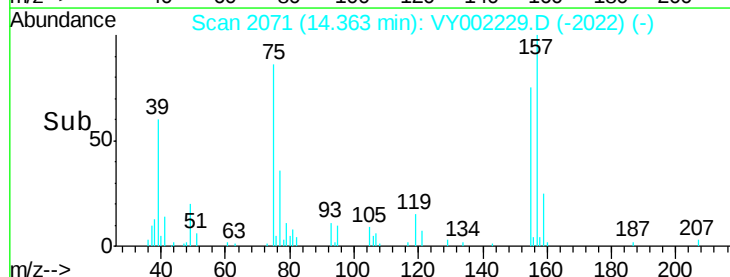
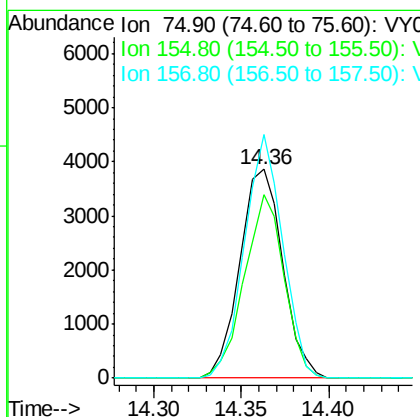
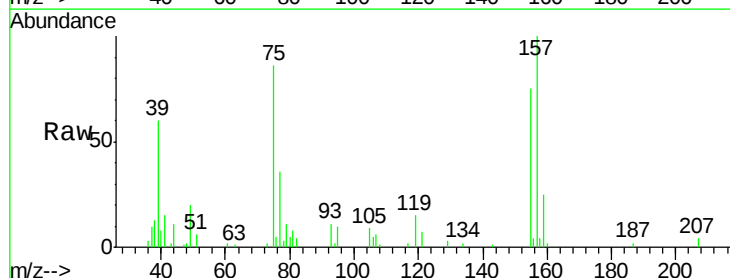
Manual Integrations
 APPROVED

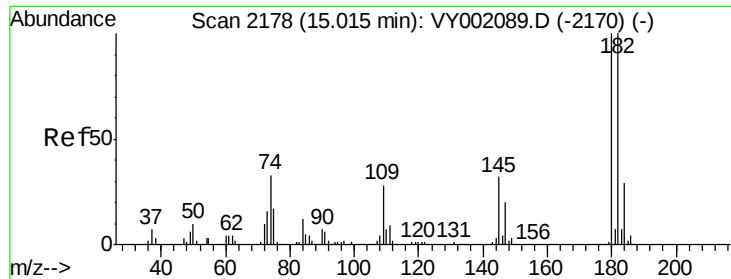
MMDadoda
 4/7/2020 7:06:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.707 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.6	124.9
157	103.5	53.4	160.3





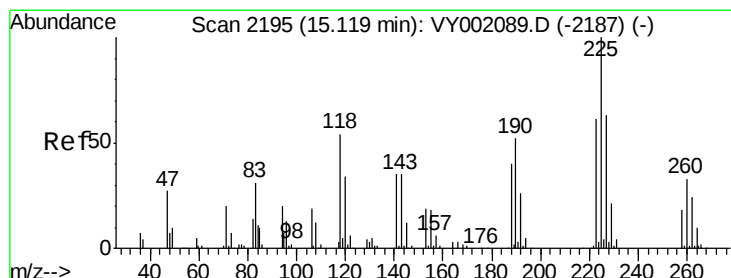
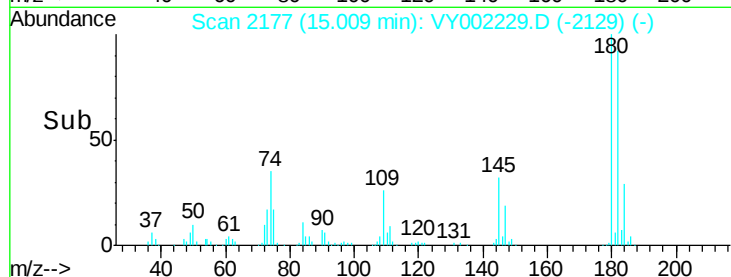
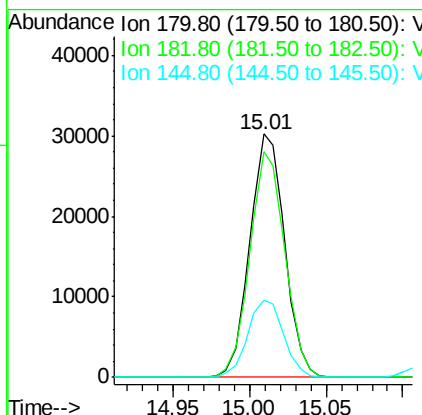
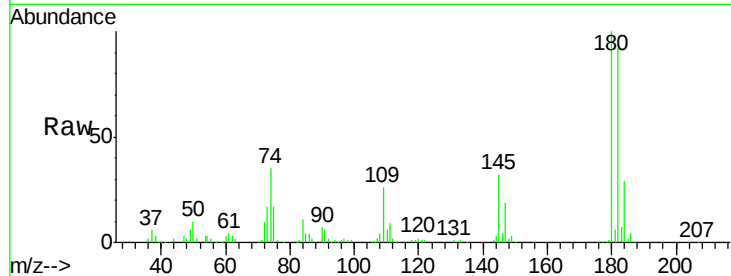
#93
 1,2,4-Trichlorobenzene
 Concen: 20.782 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.3
145	32.6	15.9	47.6

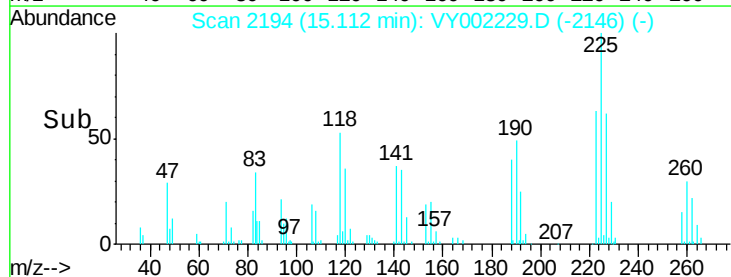
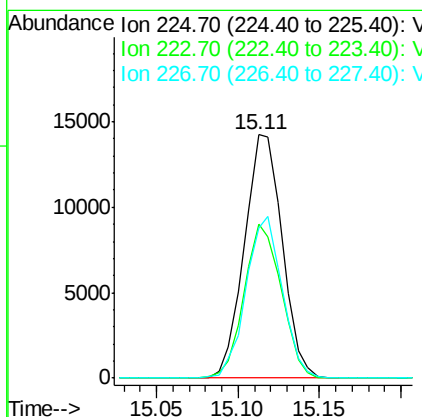
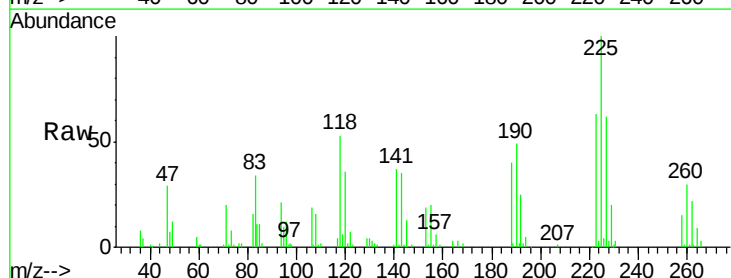
Manual Integrations
 APPROVED

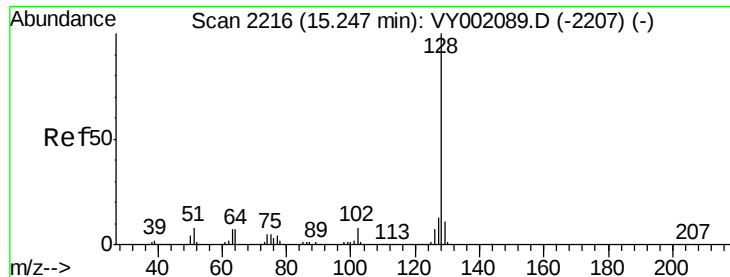
MMDadoda
 4/7/2020 7:06:25 PM



#94
 Hexachlorobutadiene
 Concen: 20.262 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002229.D
 Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.5	31.6	94.7





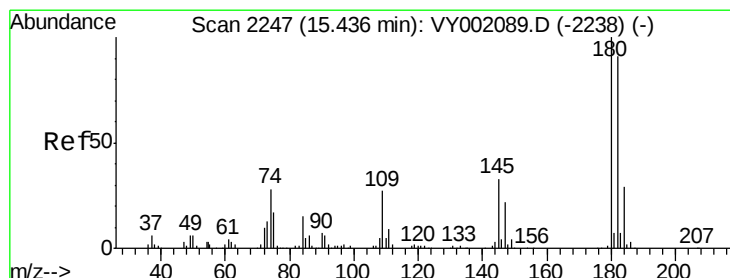
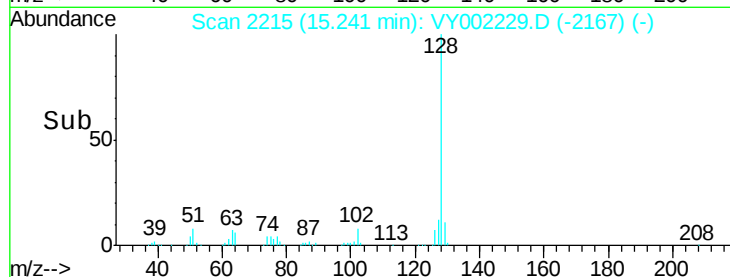
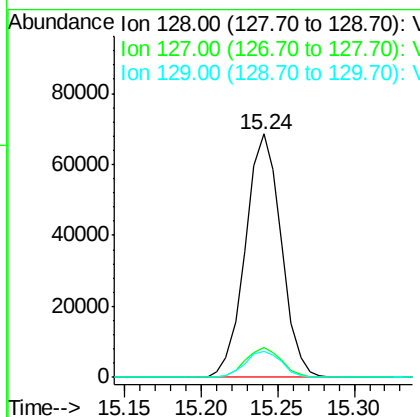
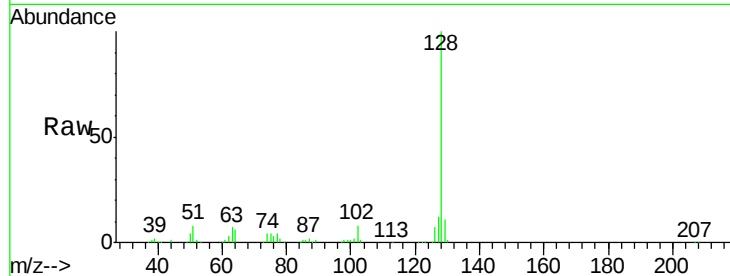
#95
Naphthalene
Concen: 20.409 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111690		
127	12.4		9.8	14.8
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.713 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002229.D
Acq: 06 Apr 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41189		
182	97.3		46.8	140.3
145	32.1		16.7	50.1

