

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000835.D
 Acq On : 03 Dec 2019 11:58
 Operator : SY/MD
 Sample : VY1203SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Manual Integrations
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 12/4/2019 2:06:21 PM

Quant Time: Dec 03 12:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	344636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	607002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	531955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	251535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	186937	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.73	113	182522	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.18	98	755905	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.48	95	264290	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	71290	19.216	ug/l	93
3) Chloromethane	2.12	50	97843	21.395	ug/l	99
4) Vinyl Chloride	2.25	62	84651	18.782	ug/l	98
5) Bromomethane	2.63	94	53313	18.112	ug/l	96
6) Chloroethane	2.79	64	51904	18.783	ug/l	93
7) Trichlorofluoromethane	3.12	101	124417	20.143	ug/l	98
8) Diethyl Ether	3.53	74	45687	19.653	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	76704	20.109	ug/l	99
10) Methyl Iodide	4.10	142	95777	19.944	ug/l	98
11) Tert butyl alcohol	4.97	59	35922	97.500	ug/l #	89
12) 1,1-Dichloroethene	3.87	96	77459	20.498	ug/l	93
13) Acrolein	3.73	56	38888	107.151	ug/l	99
14) Allyl chloride	4.48	41	129980	20.061	ug/l	99
15) Acrylonitrile	5.18	53	118065	98.352	ug/l	99
16) Acetone	3.95	43	83465	99.355	ug/l	99
17) Carbon Disulfide	4.19	76	243151	19.896	ug/l	96
18) Methyl Acetate	4.49	43	63603	18.107	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	203355	20.151	ug/l	97
20) Methylene Chloride	4.72	84	93875	21.199	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	85857	19.990	ug/l	97
22) Diisopropyl ether	6.13	45	263493	19.786	ug/l	96
23) Vinyl Acetate	6.07	43	810392	100.100	ug/l	99
24) 1,1-Dichloroethane	6.02	63	143682	19.576	ug/l	99
25) 2-Butanone	7.00	43	147227	94.873	ug/l	97
26) 2,2-Dichloropropane	6.99	77	120102	19.442	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	92572	19.939	ug/l	100
28) Bromochloromethane	7.35	49	32838	13.726	ug/l	94
29) Tetrahydrofuran	7.35	42	99552	96.810	ug/l	99
30) Chloroform	7.52	83	137681	18.699	ug/l	92
31) Cyclohexane	7.79	56	148809	19.139	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	118810	19.541	ug/l	97
36) 1,1-Dichloropropene	7.93	75	115793	19.186	ug/l	99
37) Ethyl Acetate	7.08	43	66292	19.022	ug/l	99
38) Carbon Tetrachloride	7.91	117	104242	19.394	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	152499	19.071	ug/l	96
40) Benzene	8.17	78	346549	19.713	ug/l	99
41) Methacrylonitrile	7.33	41	29404m	16.009	ug/l	
42) 1,2-Dichloroethane	8.24	62	89403	19.337	ug/l	99
43) Isopropyl Acetate	8.28	43	123551	18.813	ug/l	99
44) Trichloroethene	8.94	130	90915	20.123	ug/l	92
45) 1,2-Dichloropropane	9.22	63	87333	19.777	ug/l	97
46) Dibromomethane	9.31	93	44431	19.257	ug/l	98
47) Bromodichloromethane	9.50	83	104568	19.293	ug/l	91
48) Methyl methacrylate	9.30	41	55677	19.280	ug/l	97
49) 1,4-Dioxane	9.30	88	12100	370.124	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	320862	94.561	ug/l	100
52) Toluene	10.24	92	216329	19.874	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	115182	19.780	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	135532	19.691	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	67227	19.722	ug/l	94
56) Ethyl methacrylate	10.51	69	94315	19.341	ug/l	98
57) 1,3-Dichloropropane	10.79	76	116668	19.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	196693	100.036	ug/l	100
59) 2-Hexanone	10.83	43	222733	90.083	ug/l	99
60) Dibromochloromethane	10.99	129	70304	19.159	ug/l	99
61) 1,2-Dibromoethane	11.09	107	61868	19.258	ug/l	99
64) Tetrachloroethene	10.72	164	94024	20.344	ug/l	97
65) Chlorobenzene	11.52	112	220647	19.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	74634	20.028	ug/l	98
67) Ethyl Benzene	11.59	91	407462	19.786	ug/l	98
68) m/p-Xylenes	11.70	106	308734	39.942	ug/l	100
69) o-Xylene	12.03	106	144755	20.085	ug/l	100
70) Styrene	12.04	104	247491	20.055	ug/l	99
71) Bromoform	12.20	173	41257	19.630	ug/l #	97
73) Isopropylbenzene	12.33	105	388507	19.398	ug/l	99
74) N-amyl acetate	12.14	43	104412	18.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	73934	18.735	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	66034m	23.171	ug/l	
77) Bromobenzene	12.61	156	85593	19.716	ug/l	98
78) n-propylbenzene	12.67	91	477469	19.525	ug/l	100
79) 2-Chlorotoluene	12.75	91	261357	19.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	322387	19.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	29248	20.159	ug/l	98
82) 4-Chlorotoluene	12.85	91	275483	19.792	ug/l	99
83) tert-Butylbenzene	13.07	119	272093	19.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	325385	19.613	ug/l	99
85) sec-Butylbenzene	13.25	105	399310	19.694	ug/l	100
86) p-Isopropyltoluene	13.37	119	349755	19.832	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	168048	19.732	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	165271	19.599	ug/l	97
89) n-Butylbenzene	13.69	91	353355	19.817	ug/l	99
90) Hexachloroethane	13.96	117	65504	20.163	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	153539	20.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13966	21.139	ug/l	91

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MSVOA_Y
ClientSampleId :
VY1203SBSD01

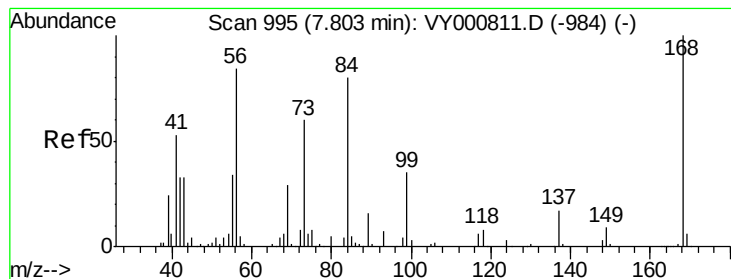
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104951	20.247	ug/l	99
94) Hexachlorobutadiene	15.11	225	51272	19.950	ug/l	99
95) Naphthalene	15.23	128	240719	20.000	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	92479	19.973	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion:168 Resp: 344636

Ion Ratio Lower Upper

168 100

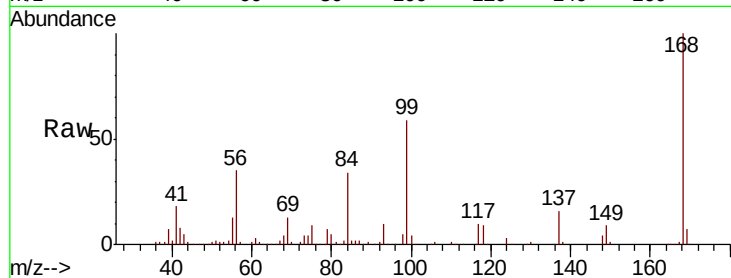
99 58.9 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

150000

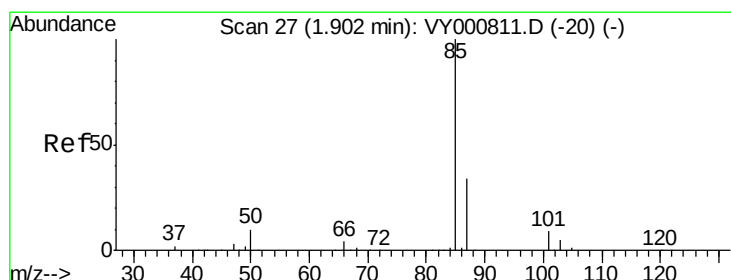
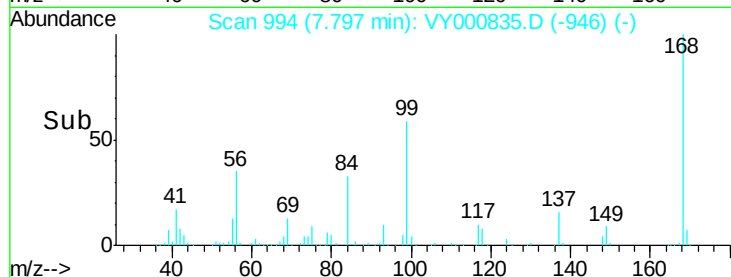
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.216 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000835.D

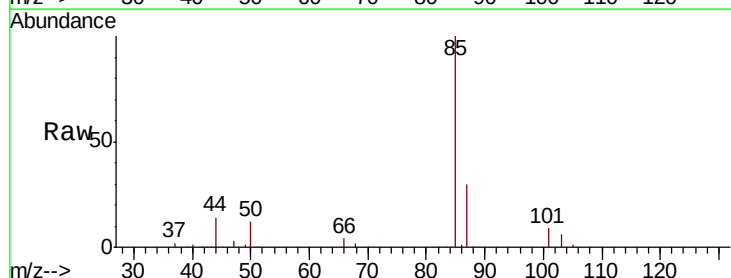
Acq: 03 Dec 2019 11:58

Tgt Ion: 85 Resp: 71290

Ion Ratio Lower Upper

85 100

87 29.6 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000811.D (-20) (-)

1.90

50000

40000

30000

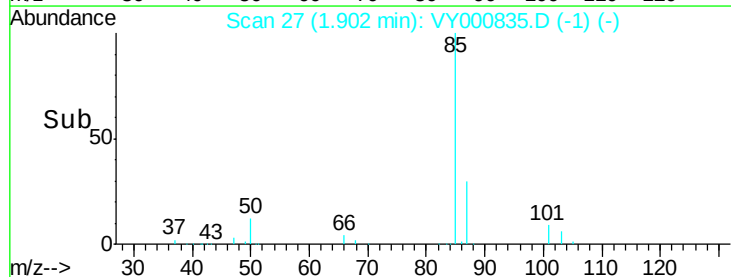
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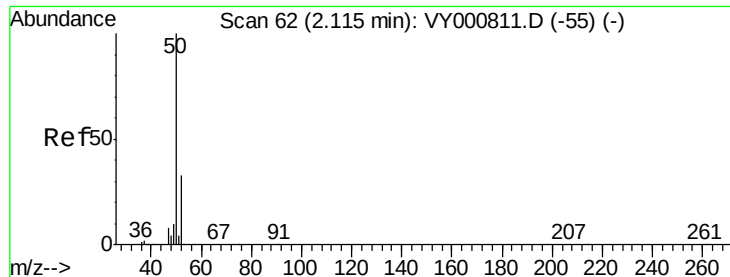
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.395 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 50 Resp: 97843

Ion Ratio Lower Upper

50 100

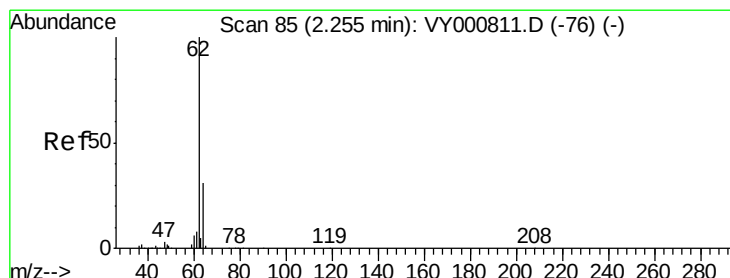
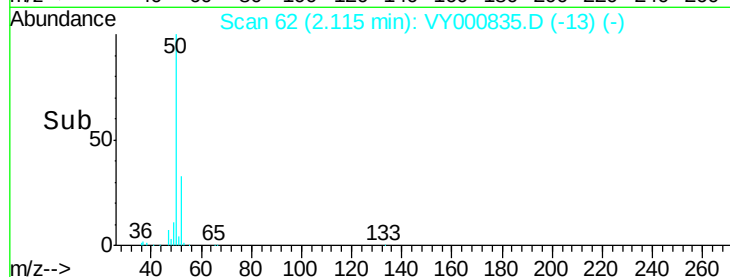
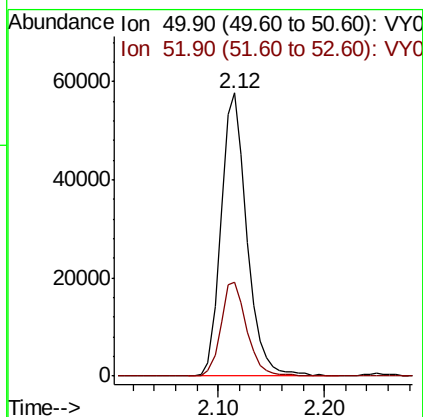
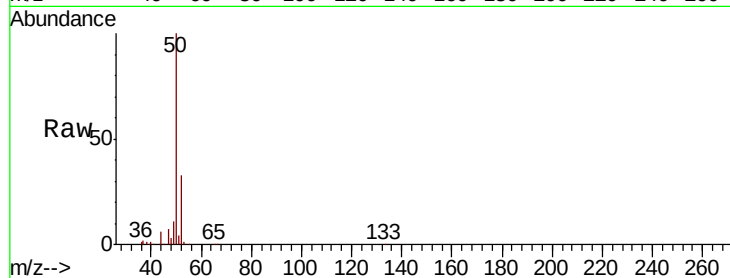
52 33.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 18.782 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000835.D

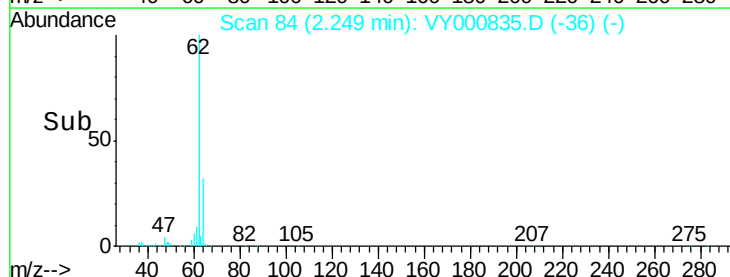
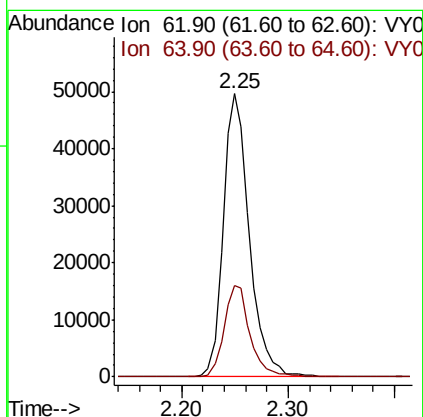
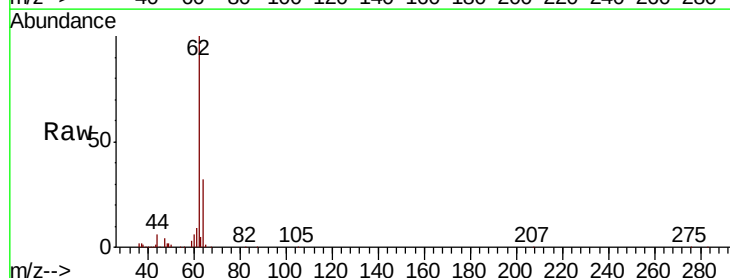
Acq: 03 Dec 2019 11:58

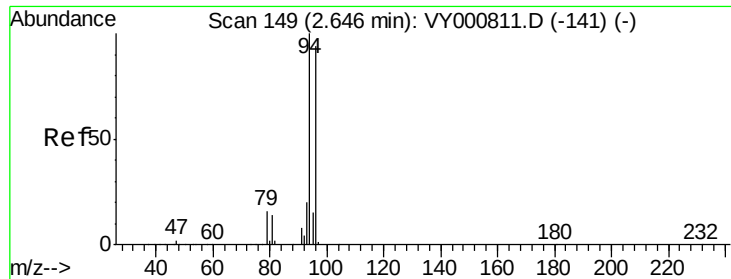
Tgt Ion: 62 Resp: 84651

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 18.112 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 94 Resp: 53313

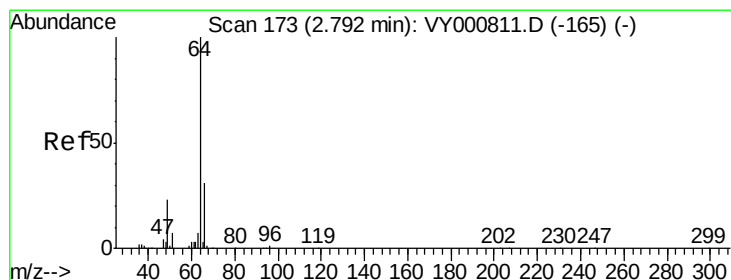
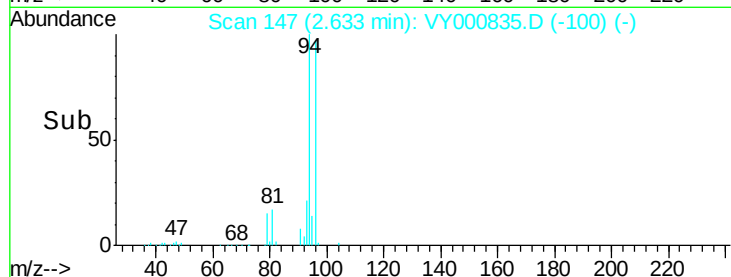
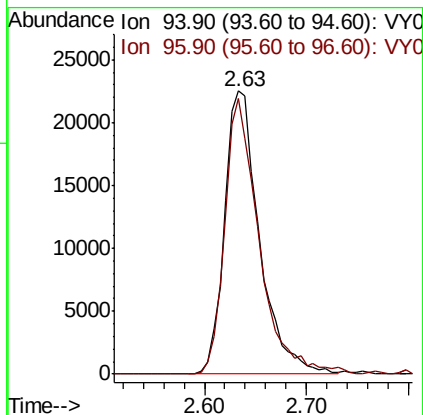
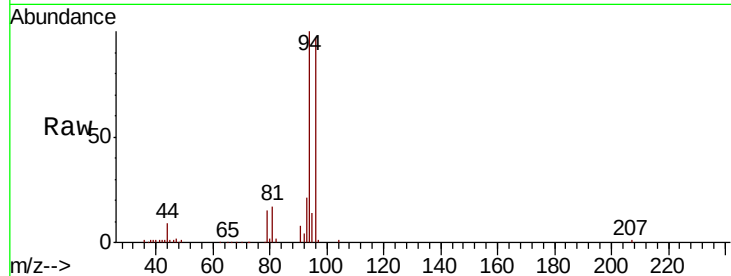
Ion Ratio Lower Upper

94 100

96 97.4 75.2 112.8

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#6

Chloroethane

Concen: 18.783 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000835.D

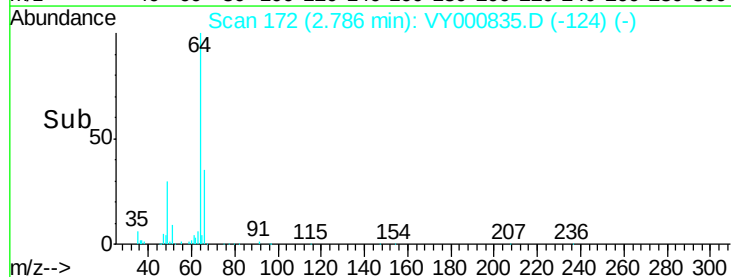
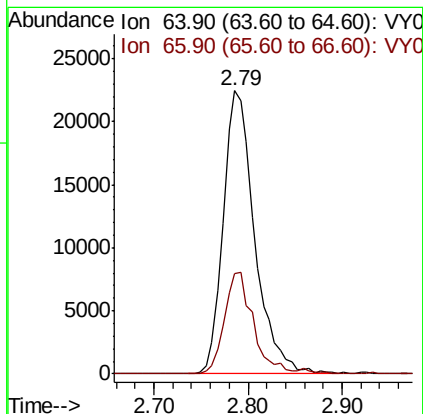
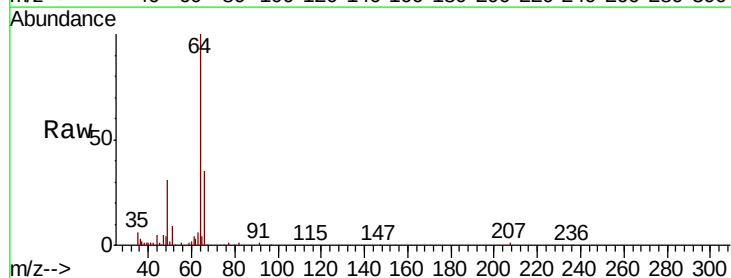
Acq: 03 Dec 2019 11:58

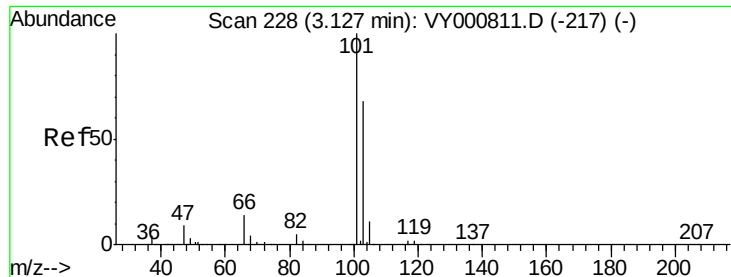
Tgt Ion: 64 Resp: 51904

Ion Ratio Lower Upper

64 100

66 35.3 25.0 37.4





#7

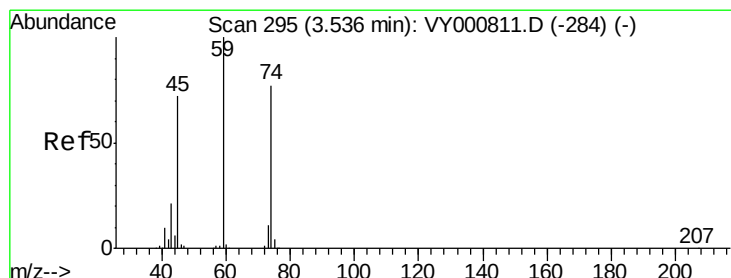
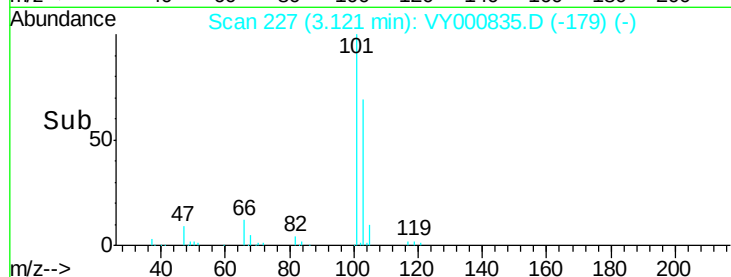
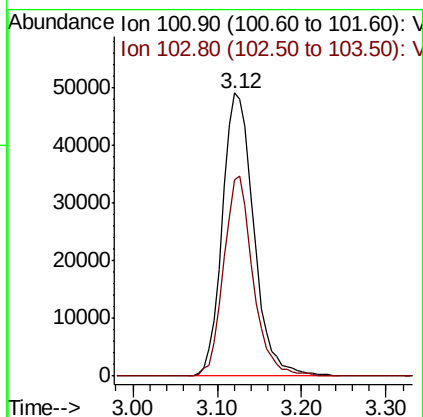
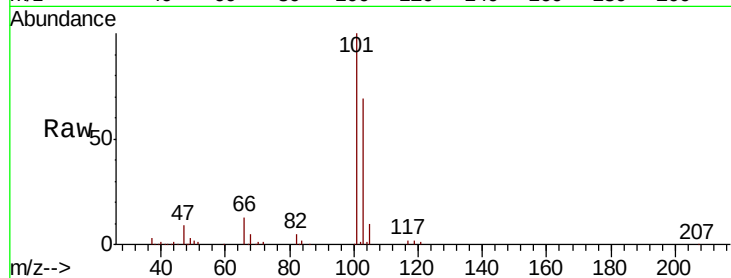
Trichlorofluoromethane
 Concen: 20.143 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	54.2	81.2

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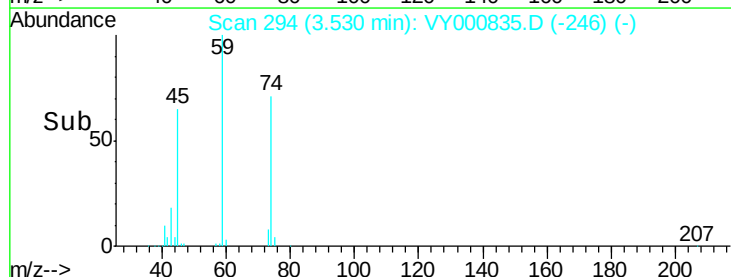
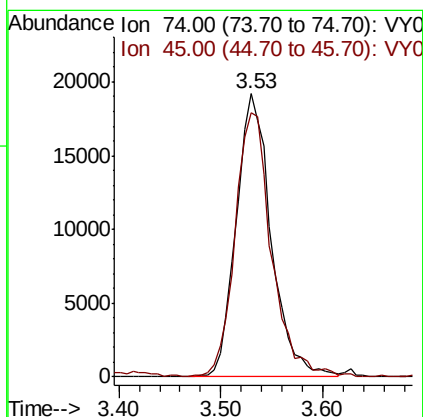
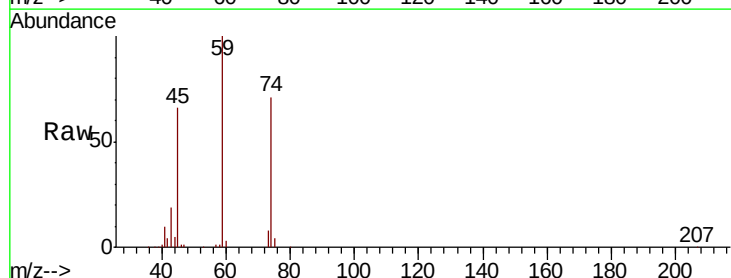
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 12/4/2019 2:06:21 PM

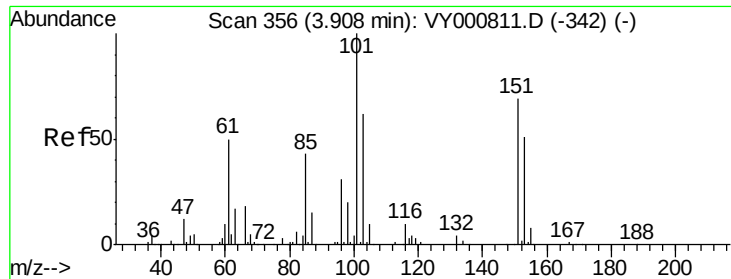


#8

Diethyl Ether
 Concen: 19.653 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.109 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

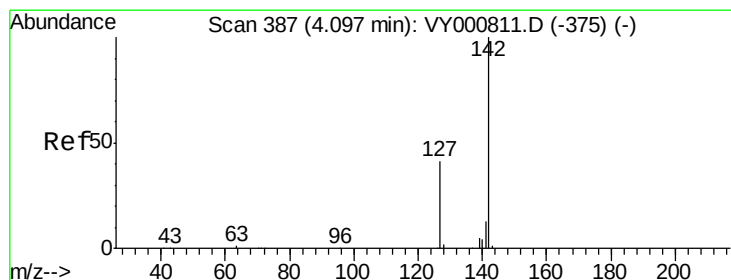
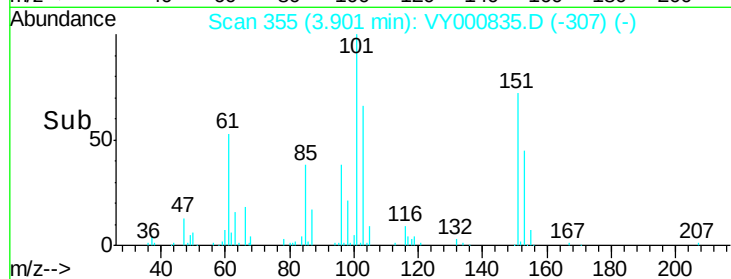
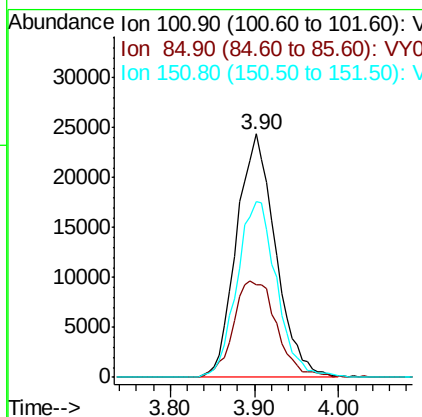
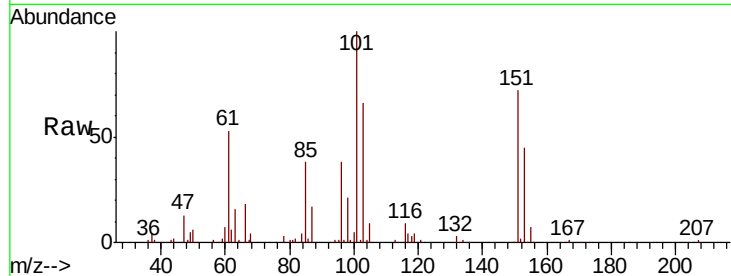
ClientSampleId :

VY1203SBS01

Tot Ion:	101	Resp:	76704
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	73.4	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.944 ug/l

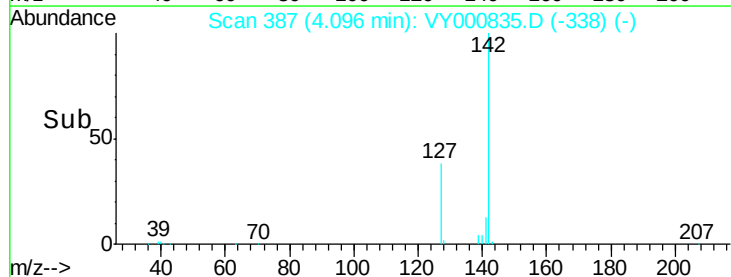
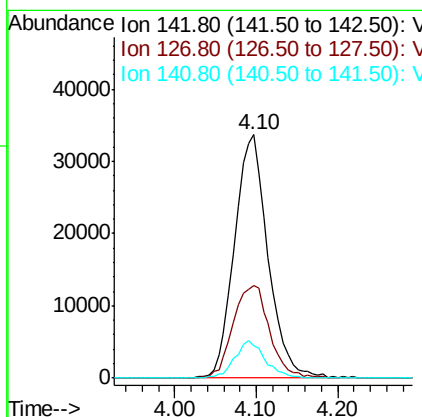
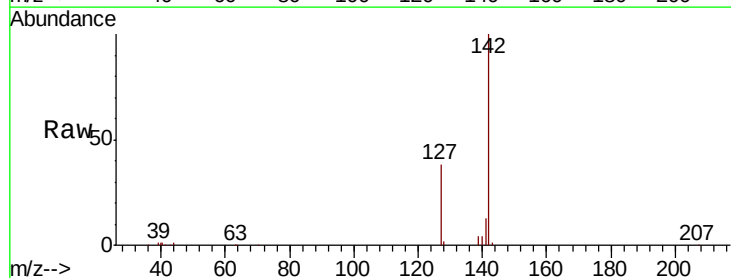
RT: 4.10 min Scan# 387

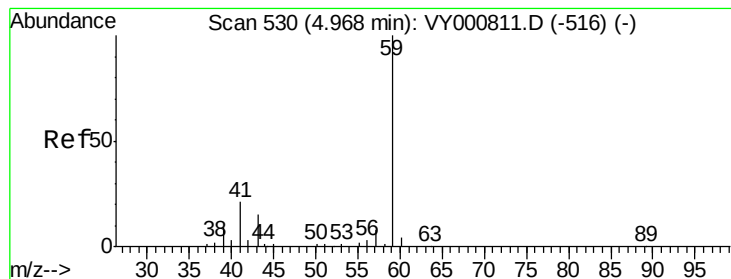
Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	142	Resp:	95777
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.8
141	14.0	10.9	16.3





#11

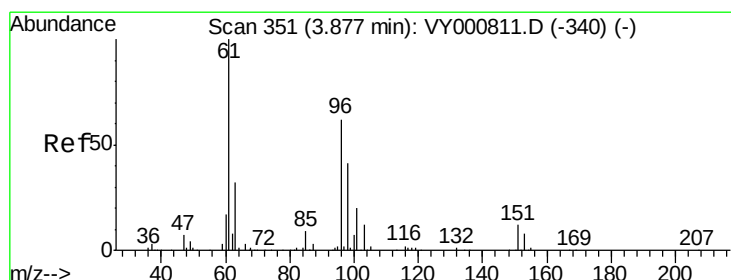
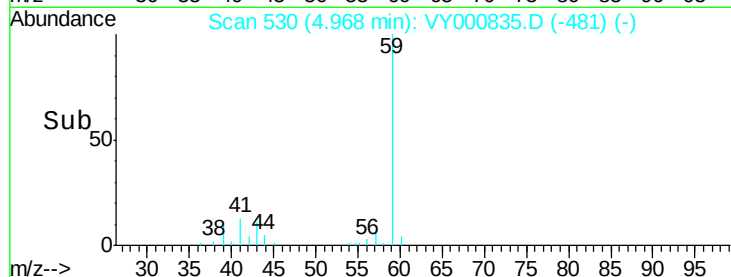
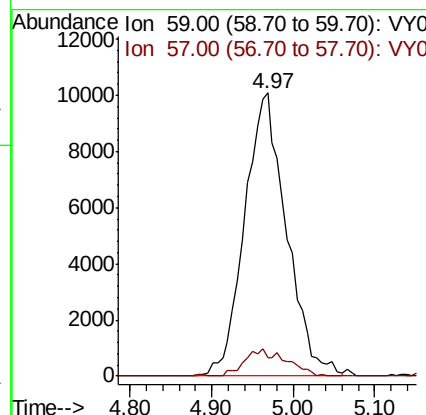
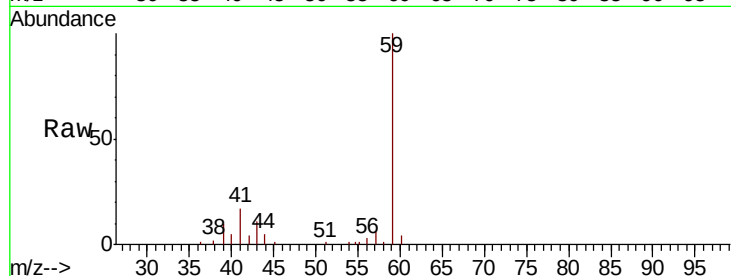
Tert butyl alcohol
Concen: 97.500 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	7.8	11.6#

Manual Integrations
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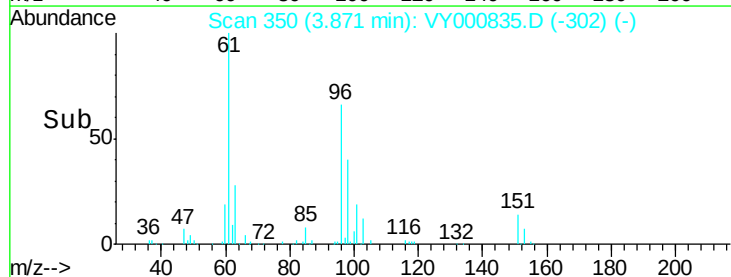
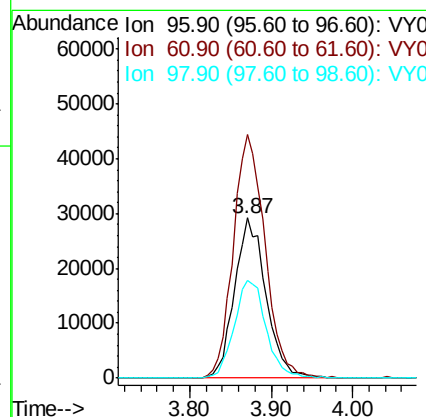
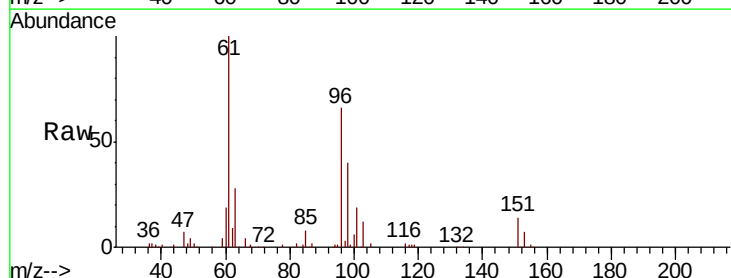
MMDadoda
12/4/2019 2:06:21 PM

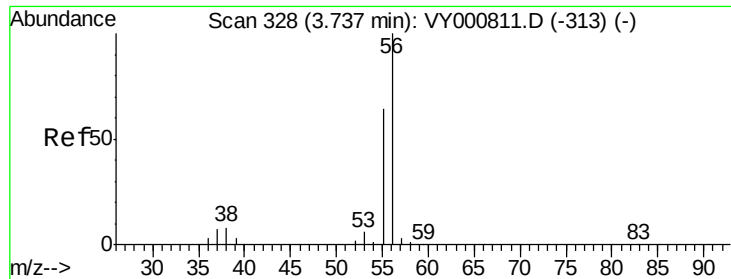


#12

1,1-Dichloroethene
Concen: 20.498 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	129.4	194.2
98	61.3	53.4	80.0





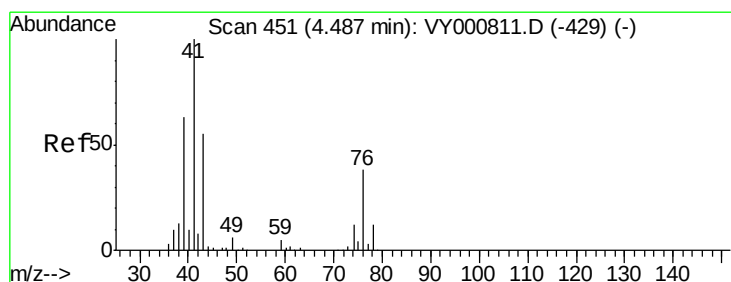
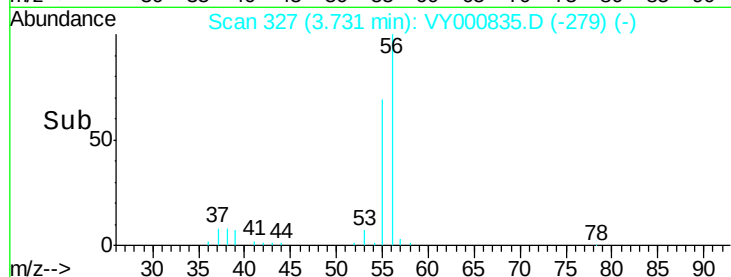
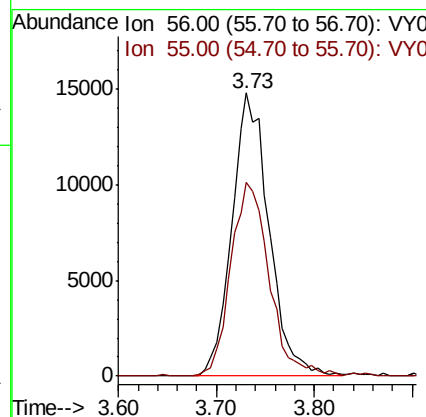
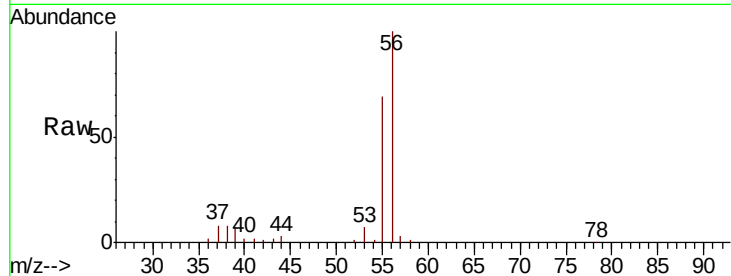
#13
Acrolein
Concen: 107.151 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion: 56 Resp: 38888
Ion Ratio Lower Upper
56 100
55 70.7 55.7 83.5

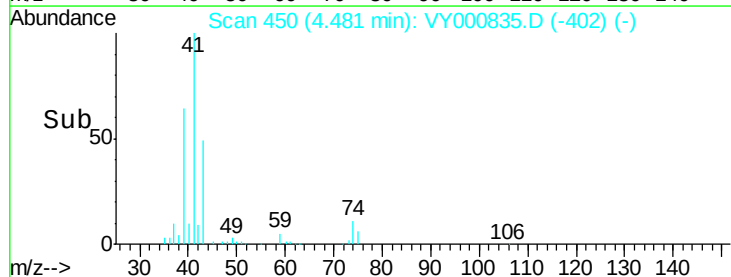
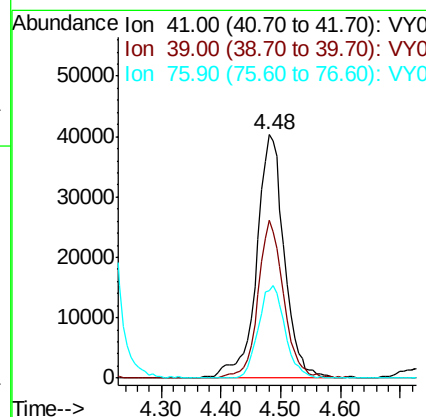
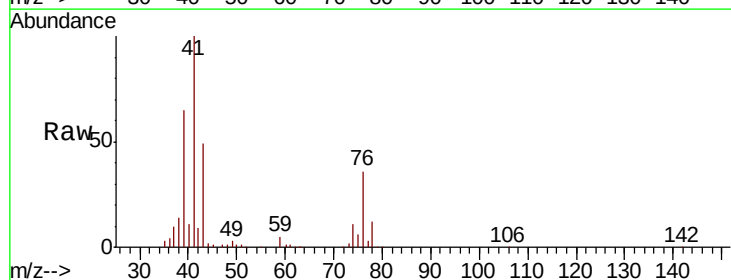
Manual Integrations
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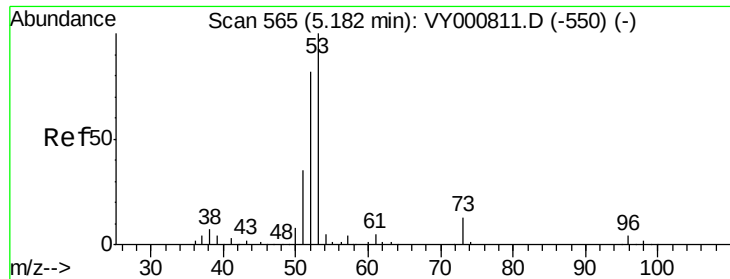
MMDadoda
12/4/2019 2:06:21 PM



#14
Allyl chloride
Concen: 20.061 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion: 41 Resp: 129980
Ion Ratio Lower Upper
41 100
39 60.2 49.2 73.8
76 36.4 29.2 43.8





#15

Acrylonitrile

Concen: 98.352 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

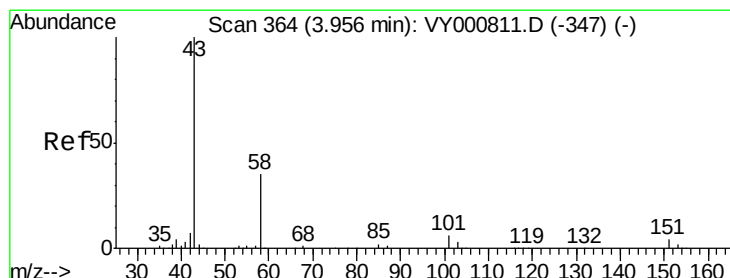
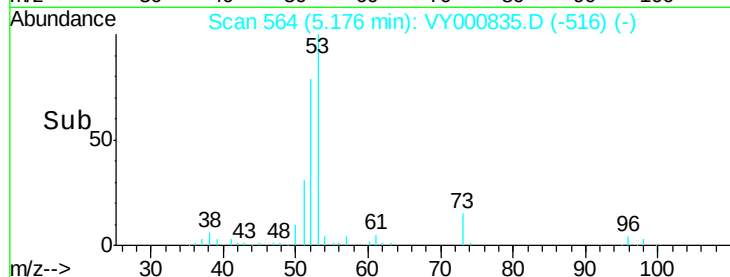
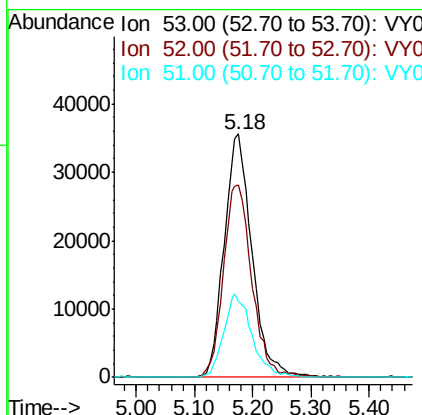
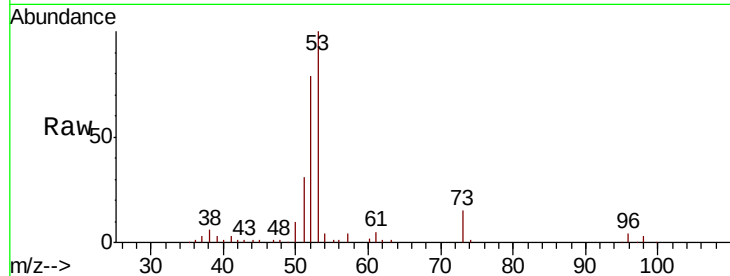
ClientSampleId :

VY1203SBS01

Tot Ion	53	Resp	118065
Ion Ratio	Lower	Upper	
53	100		
52	80.6	65.1	97.7
51	34.8	29.0	43.4

Manual Integrations
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12/4/2019 2:06:21 PM



#16

Acetone

Concen: 99.355 ug/l

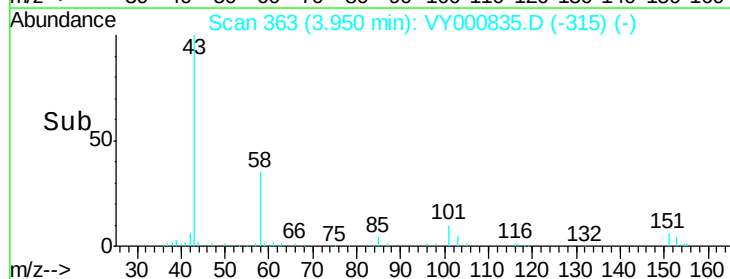
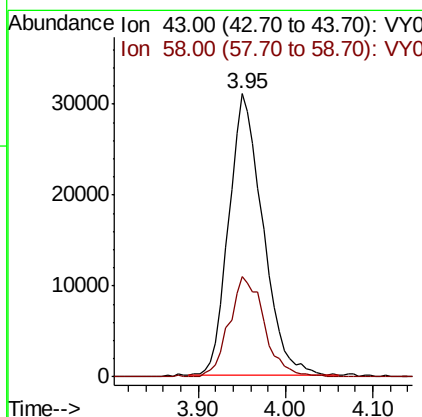
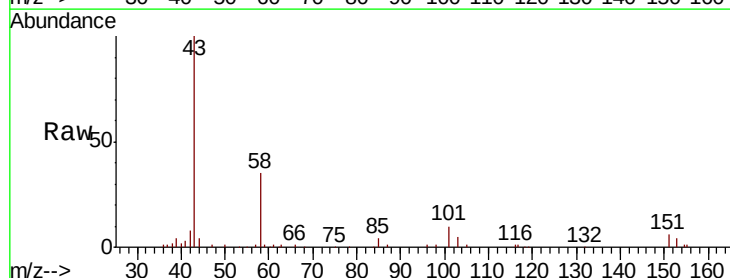
RT: 3.95 min Scan# 363

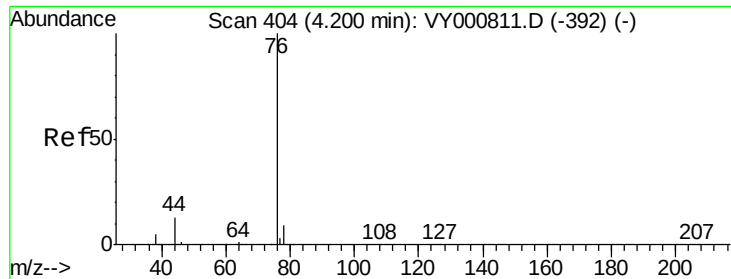
Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion	43	Resp	83465
Ion Ratio	Lower	Upper	
43	100		
58	35.5	28.0	42.0





#17

Carbon Disulfide

Concen: 19.896 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 76 Resp: 243151

Ion Ratio Lower Upper

76 100

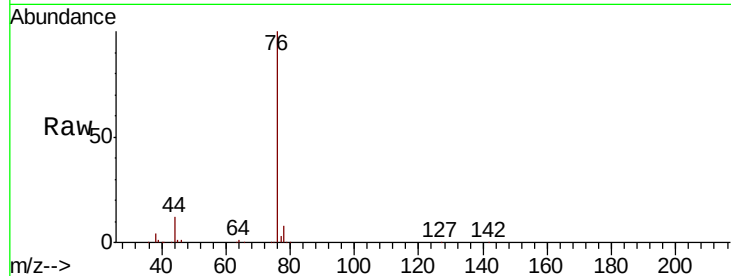
78 7.8 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

100000

80000

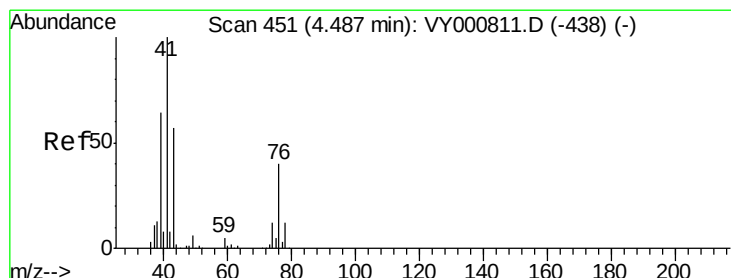
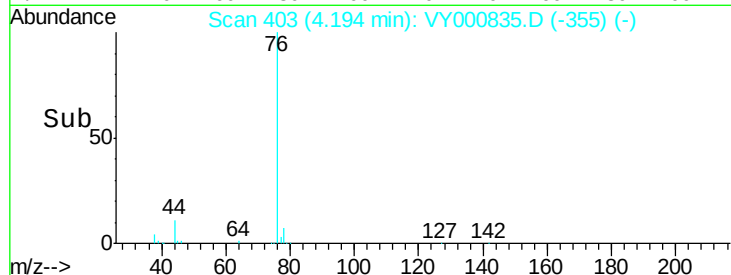
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.107 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000835.D

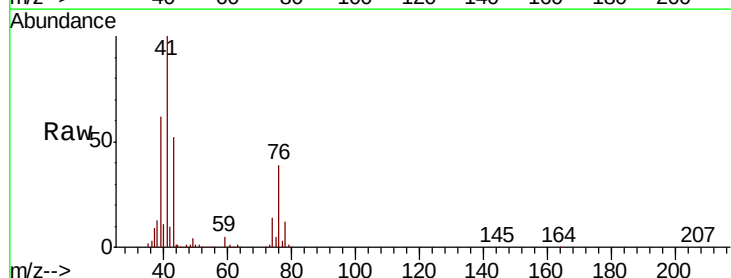
Acq: 03 Dec 2019 11:58

Tgt Ion: 43 Resp: 63603

Ion Ratio Lower Upper

43 100

74 24.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

20000

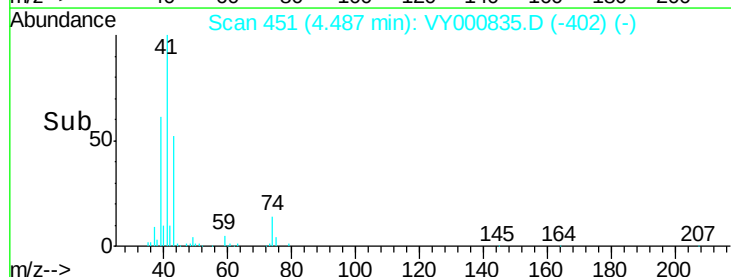
15000

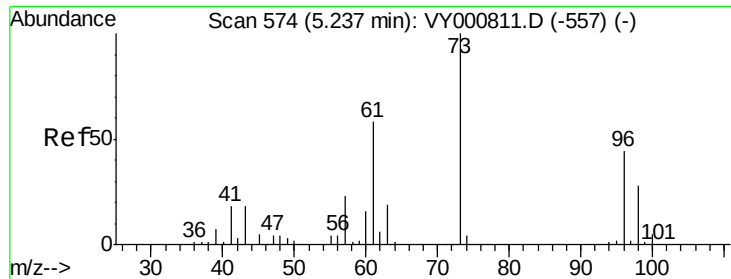
10000

5000

0

Time-->





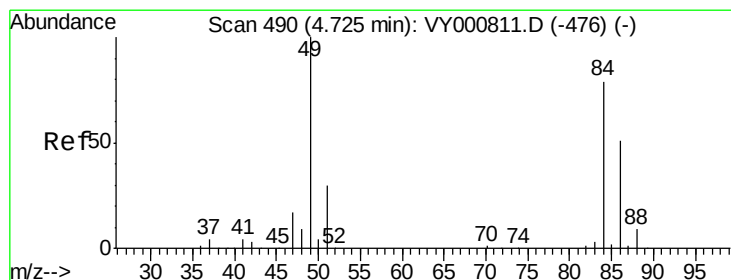
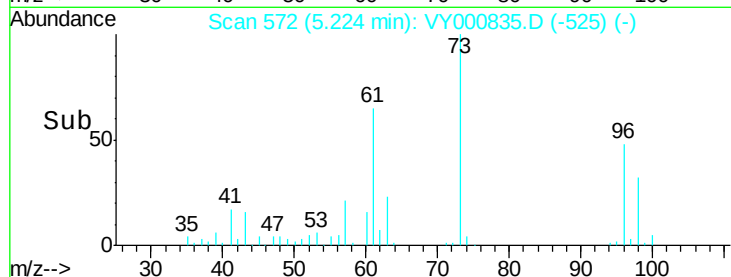
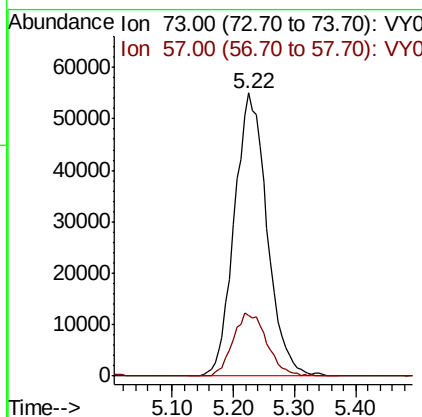
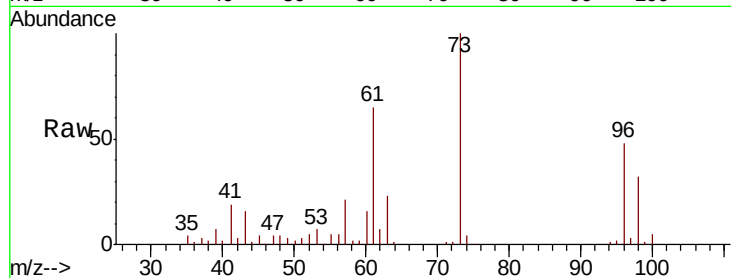
#19
Methyl tert-butyl Ether
Concen: 20.151 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion: 73 Resp: 203355
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.4

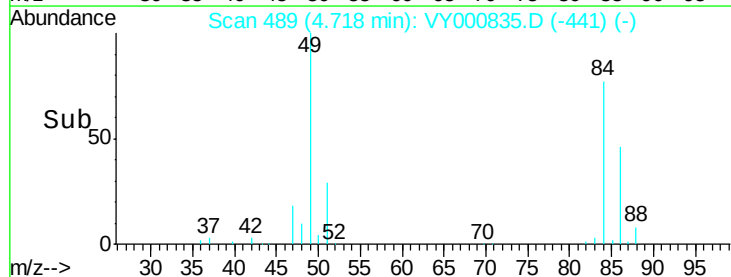
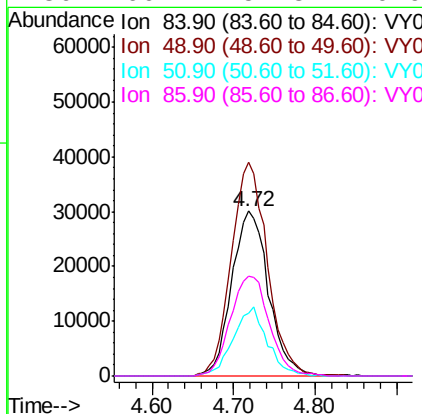
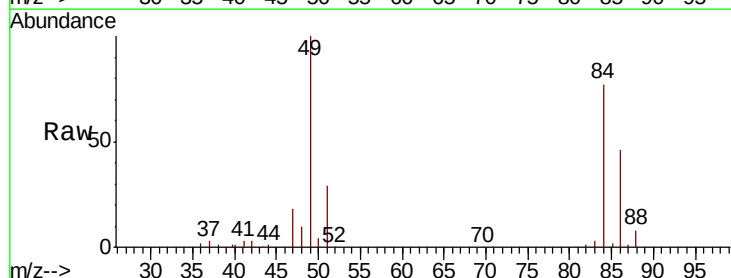
Manual Integrations
APPROVED

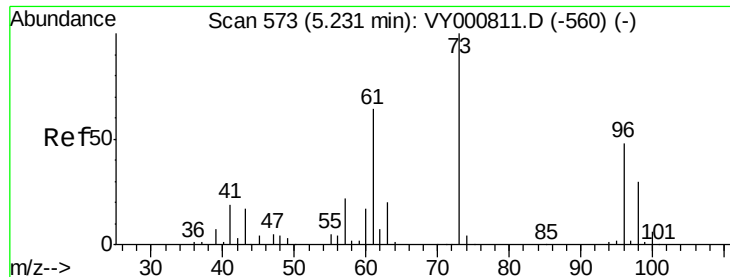
MMDadoda
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#20
Methylene Chloride
Concen: 21.199 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion: 84 Resp: 93875
Ion Ratio Lower Upper
84 100
49 129.6 101.3 151.9
51 37.8 30.6 45.8
86 60.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.990 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

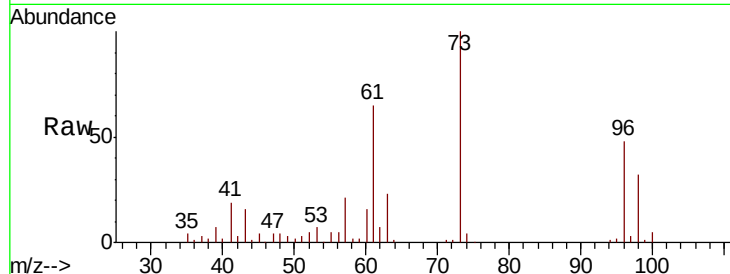
ClientSampleId :

VY1203SBS01

Tot Ion:	96	Resp:	85857
Ion	Ratio	Lower	Upper
96	100		
61	134.9	105.9	158.9
98	66.1	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
12/4/2019 2:06:21 PM

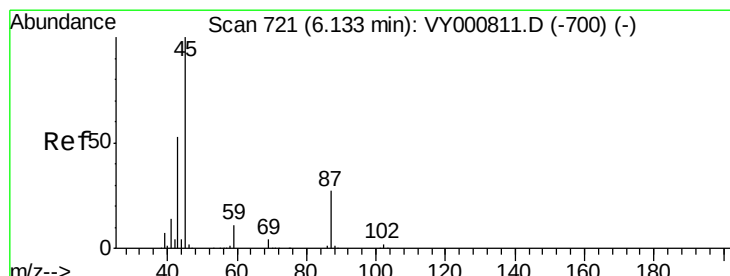
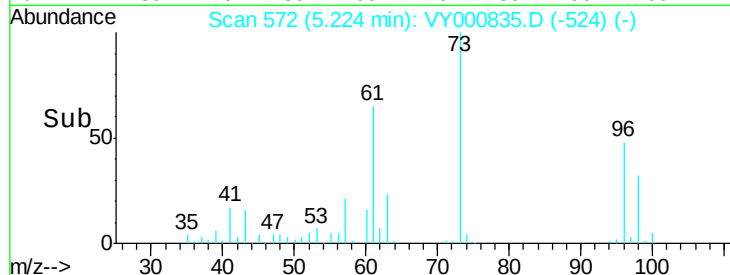
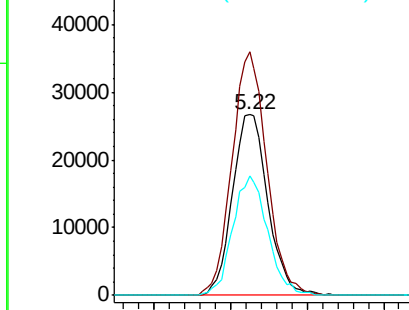


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 19.786 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	45	Resp:	263493
Ion	Ratio	Lower	Upper
45	100		
43	57.0	42.7	64.1
87	27.4	22.0	33.0
59	12.8	8.9	13.3

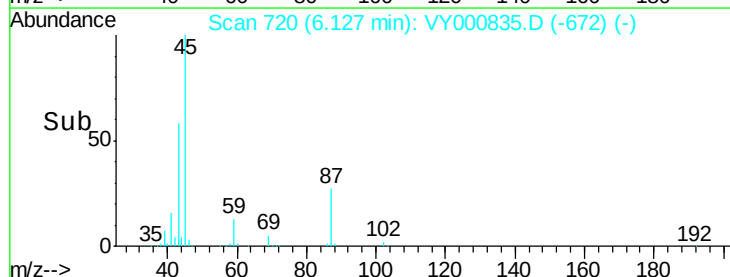
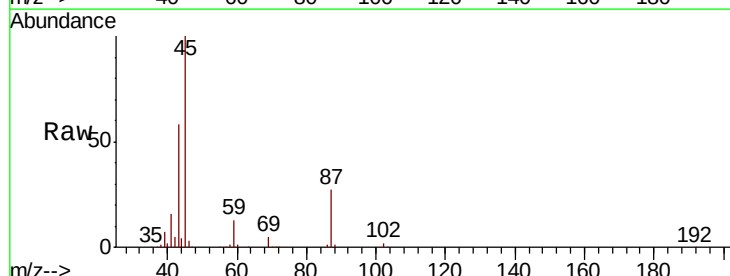
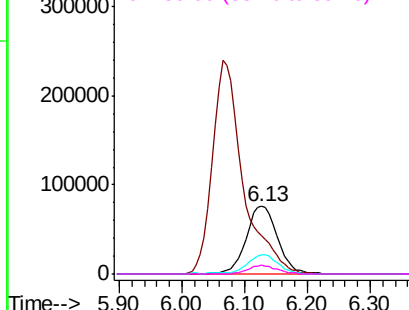
Abundance

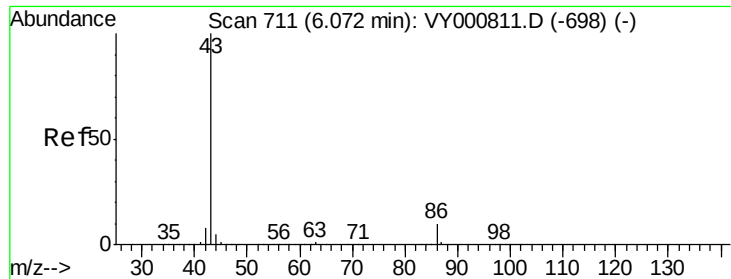
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 100.100 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 43 Resp: 810392

Ion Ratio Lower Upper

43 100

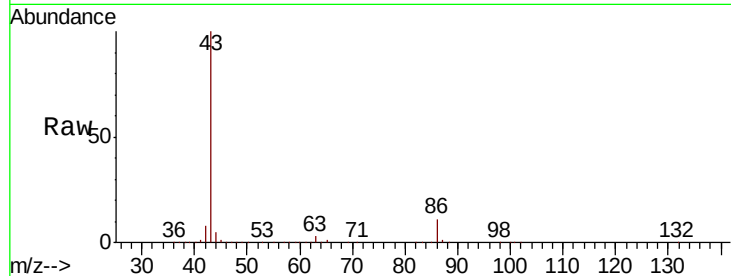
86 10.9 8.3 12.5

Manual Integrations

APPROVED

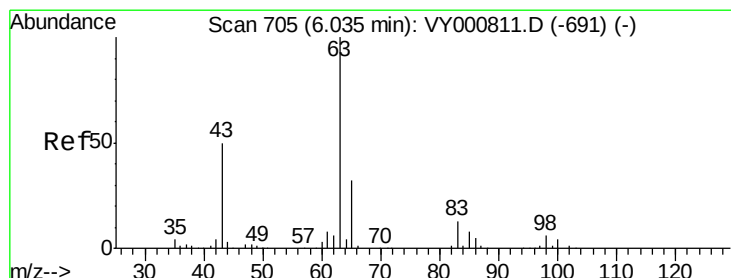
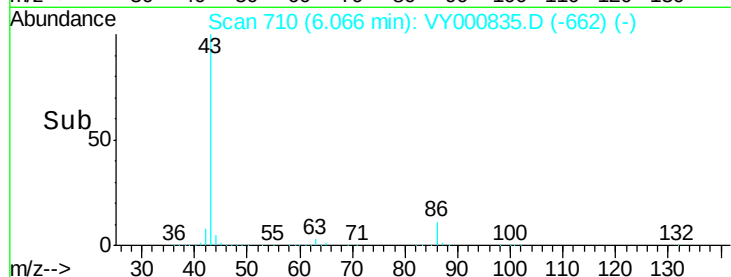
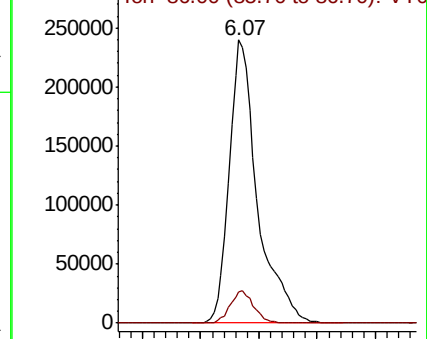
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.576 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

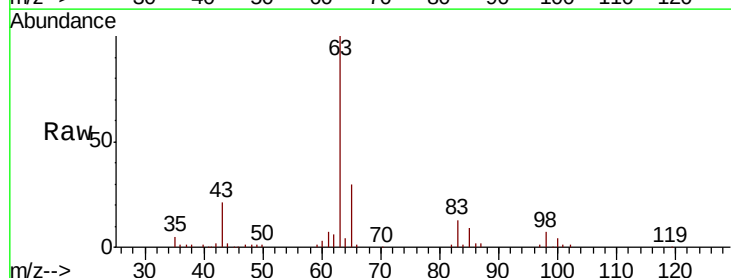
Tgt Ion: 63 Resp: 143682

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

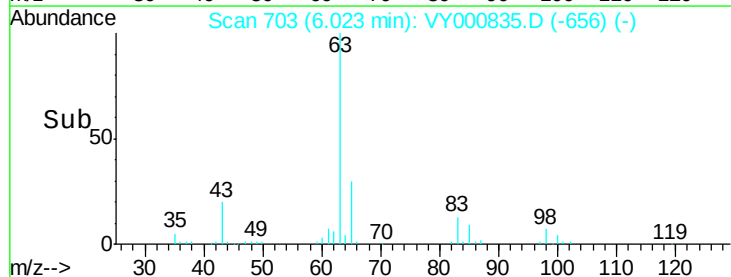
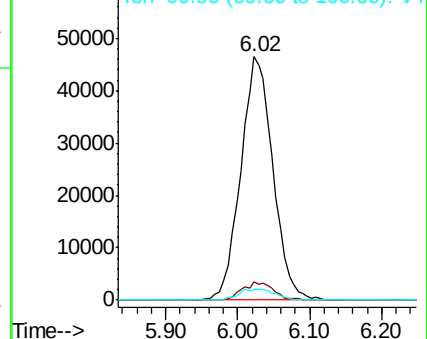
100 4.4 2.2 6.6

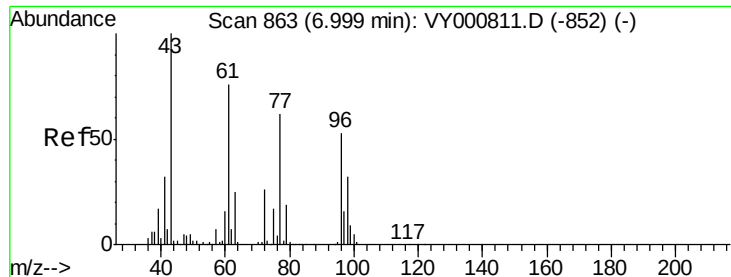


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 94.873 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 43 Resp: 147227

Ion Ratio Lower Upper

43 100

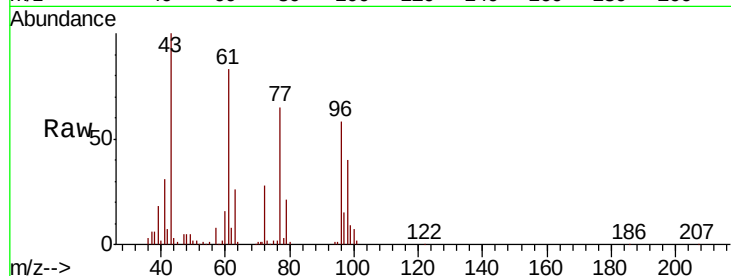
72 27.7 21.0 31.4

Manual Integrations

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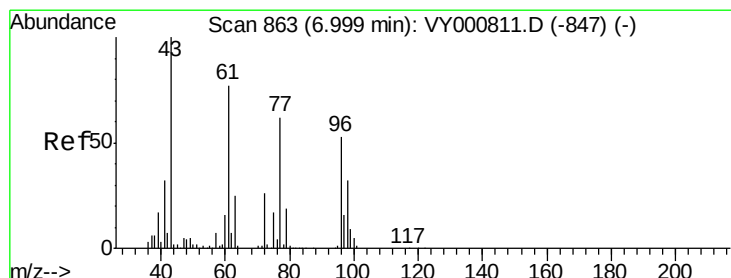
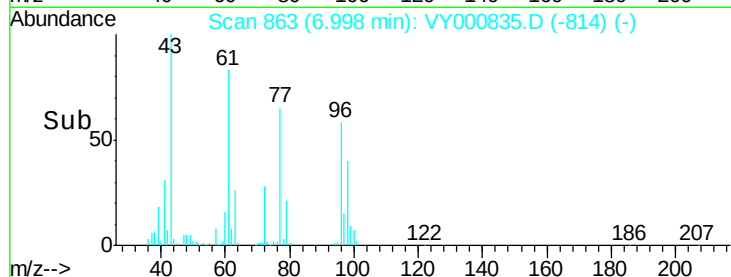
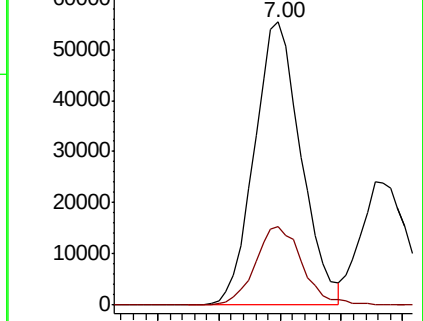
MMDadoda

12/4/2019 2:06:21 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: 19.442 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000835.D

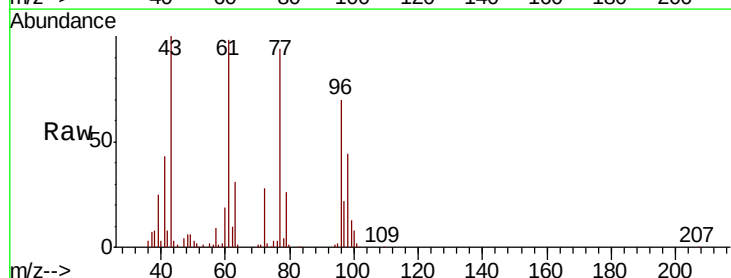
Acq: 03 Dec 2019 11:58

Tgt Ion: 77 Resp: 120102

Ion Ratio Lower Upper

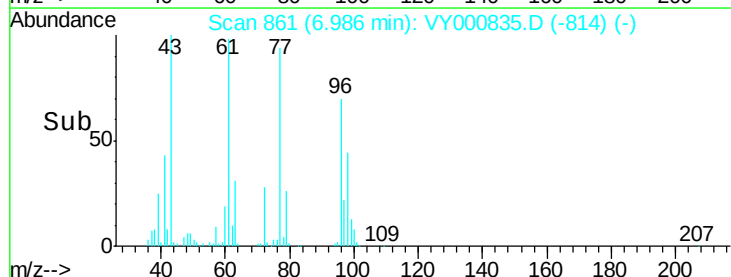
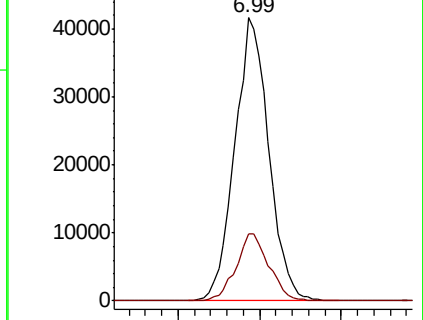
77 100

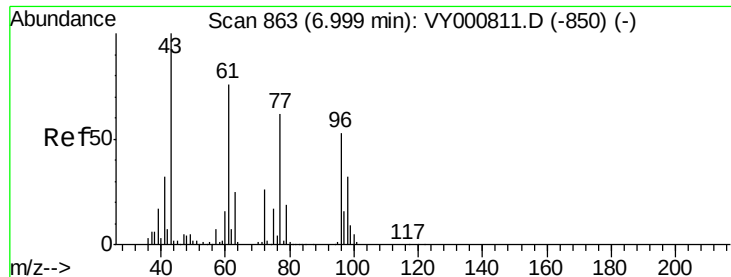
97 22.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

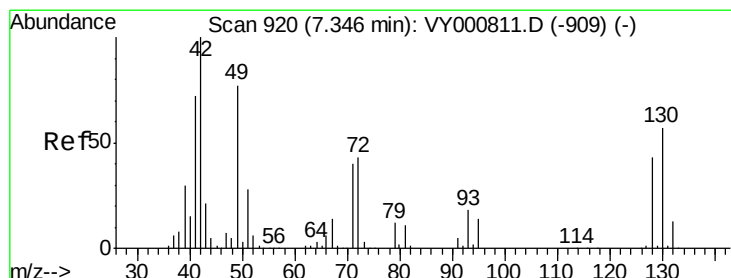
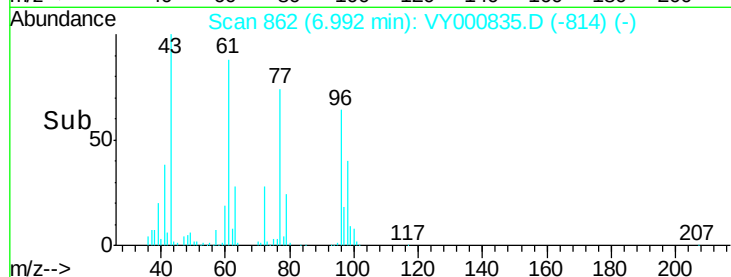
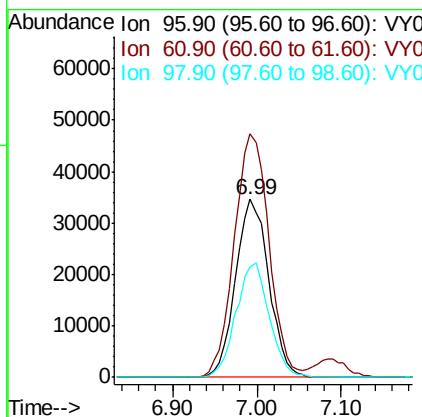
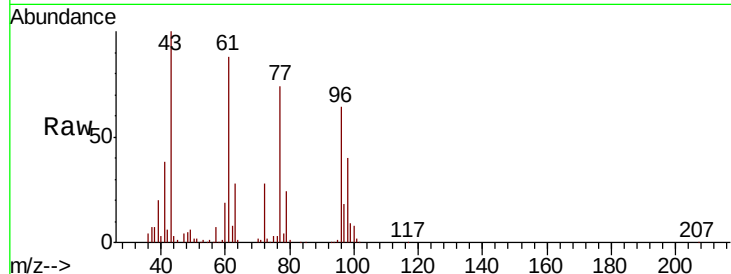
cis-1,2-Dichloroethene
Concen: 19.939 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	285.0
98	64.2	0.0	128.0

Manual Integrations
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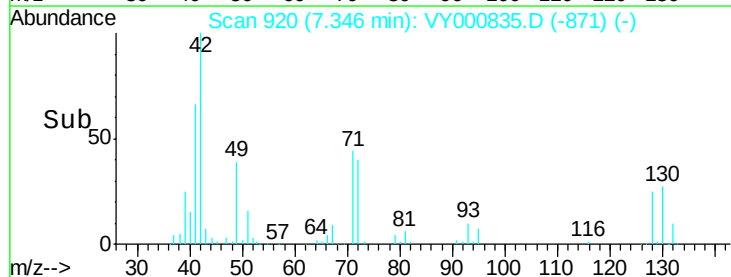
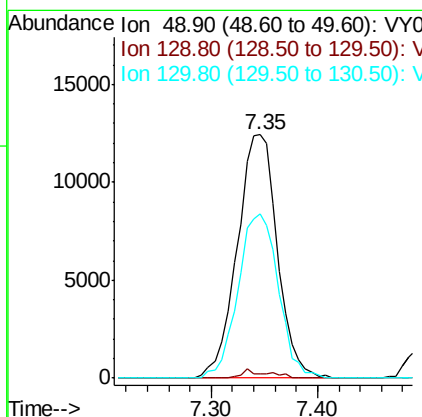
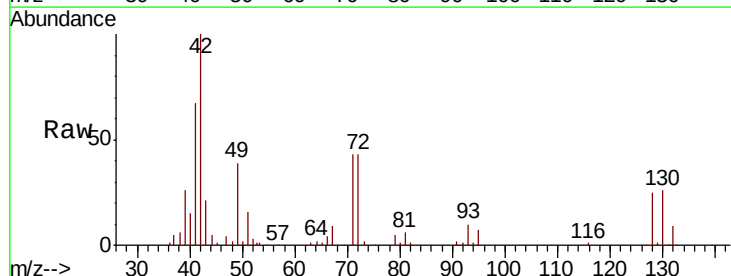
MMDadoda
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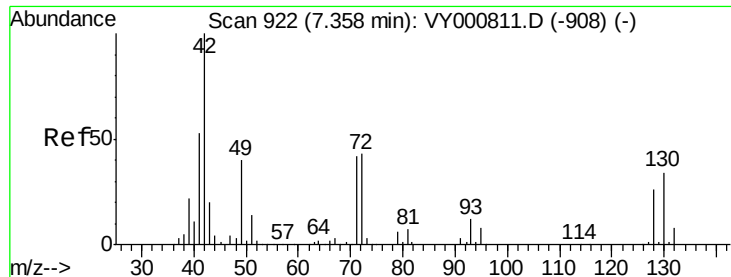


#28

Bromochloromethane
Concen: 13.726 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	67.9	58.7	88.1





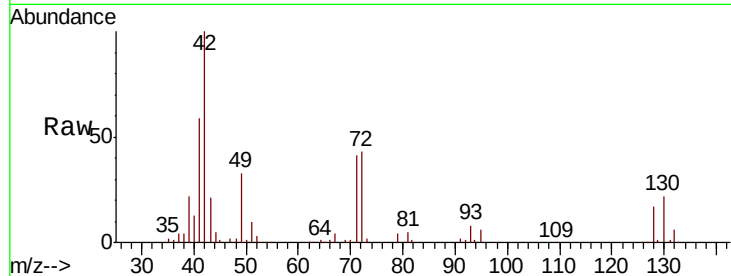
#29
Tetrahydrofuran
Concen: 96.810 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.1	52.7
71	40.6	32.8	49.2

Manual Integrations
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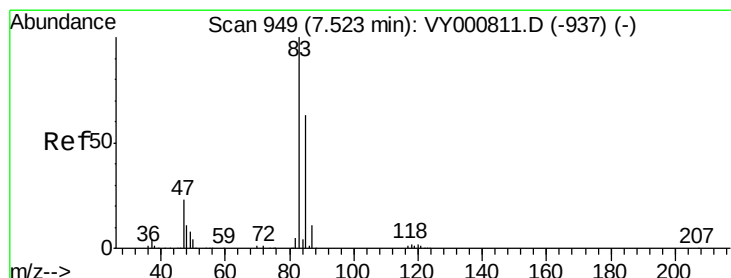
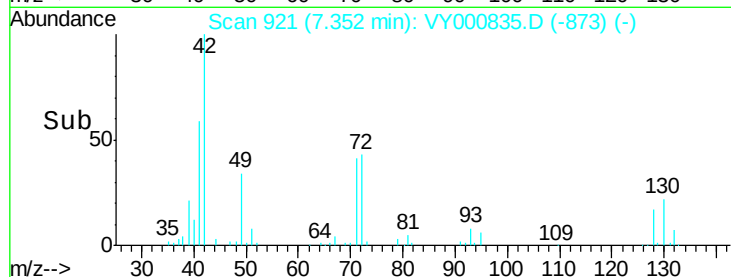
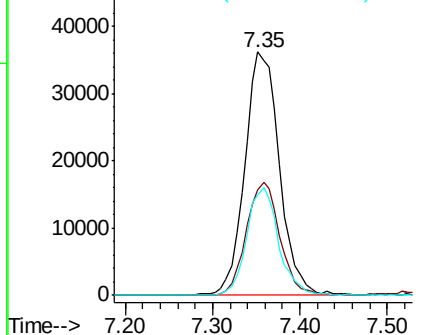


Abundance

Ion 42.00 (41.70 to 42.70): VY0

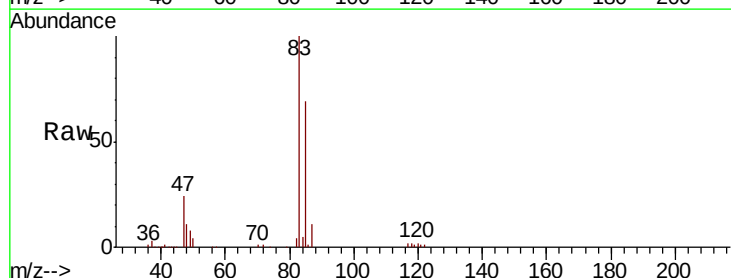
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30
Chloroform
Concen: 18.699 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

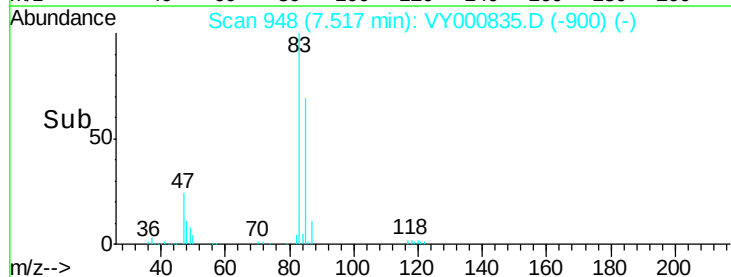
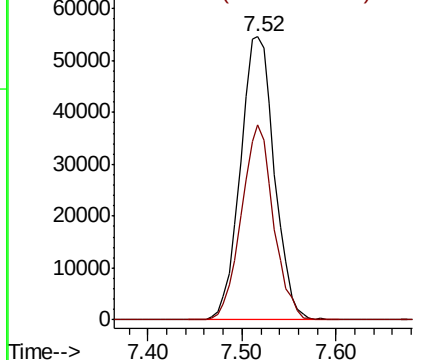
Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	50.4	75.6

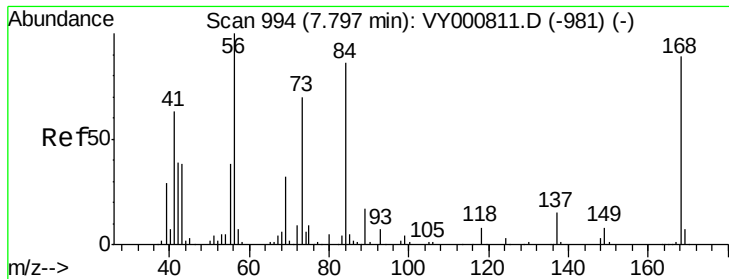


Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





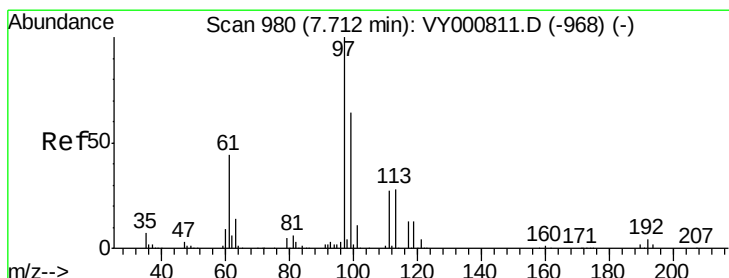
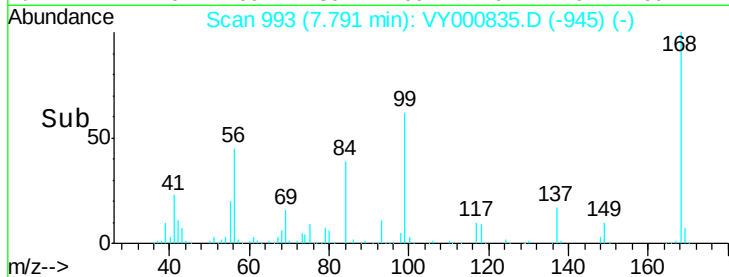
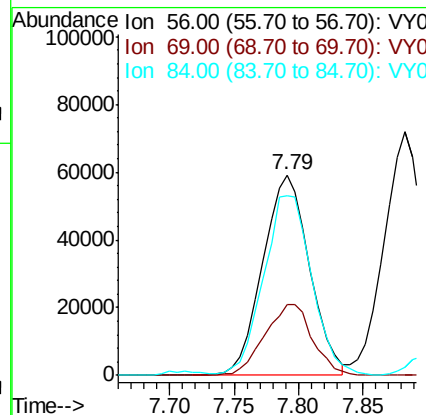
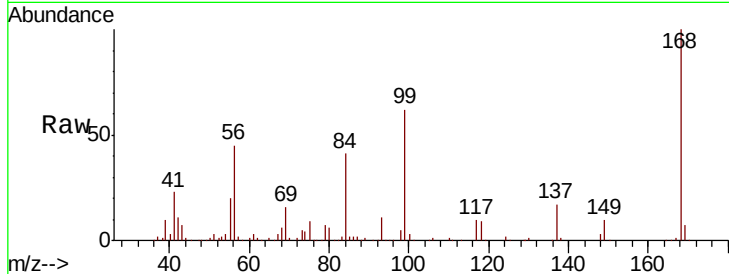
#31
Cyclohexane
Concen: 19.139 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.9	38.9
84	87.7	68.6	102.8

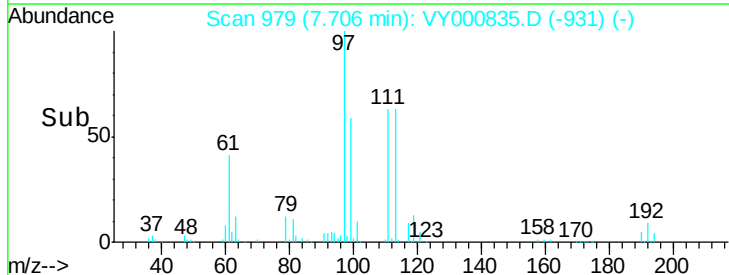
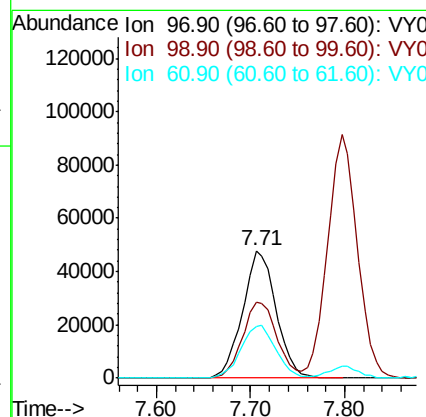
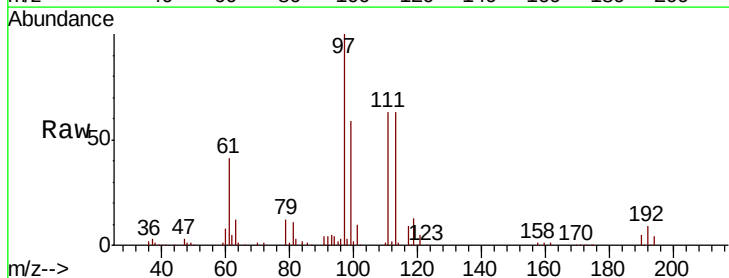
Manual Integrations
APPROVED

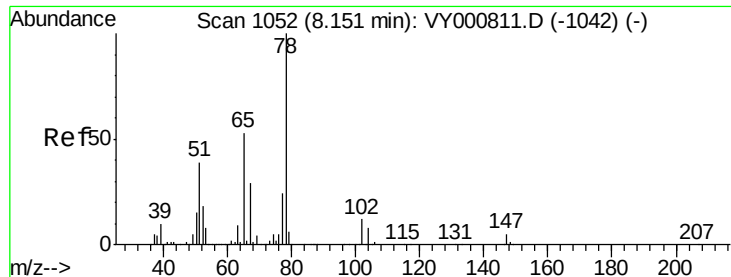
MMDadoda
12/4/2019 2:06:21 PM



#32
1,1,1-Trichloroethane
Concen: 19.541 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.7	77.5
61	43.1	35.0	52.6





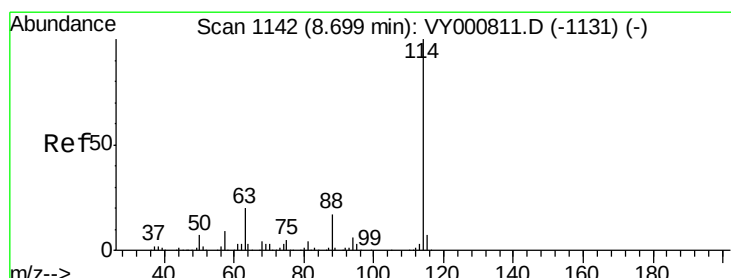
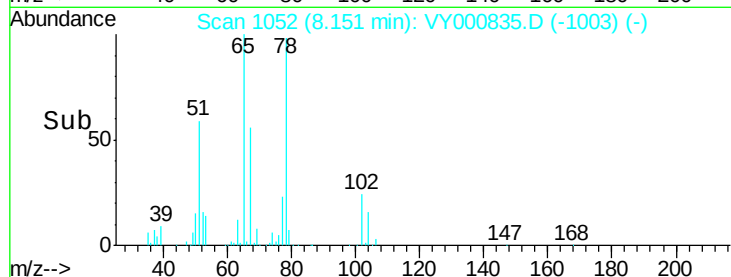
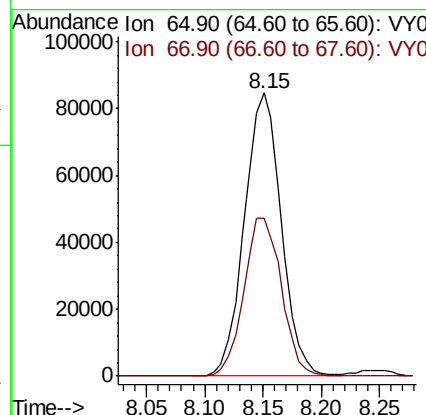
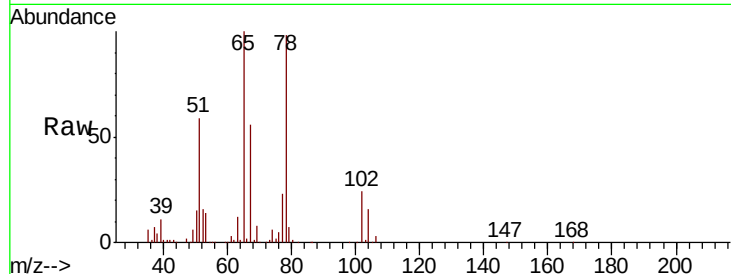
#33
 1,2-Dichloroethane-d4
 Concen: 51.047 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186937		
67	56.6	0.0	112.0	

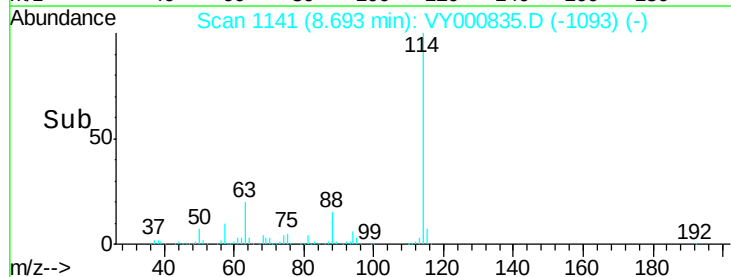
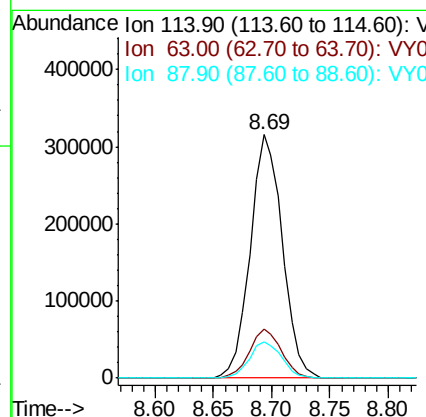
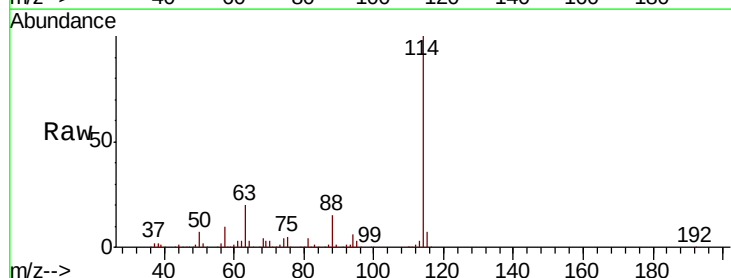
Manual Integrations
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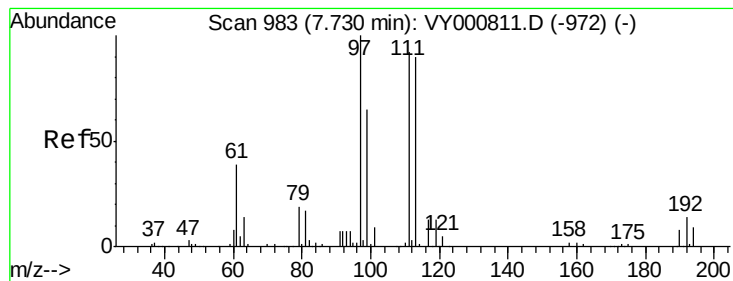
MMDadoda
 12/4/2019 2:06:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607002		
63	20.0	0.0	39.8	
88	14.9	0.0	33.2	





#35

Dibromofluoromethane

Concen: 51.595 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

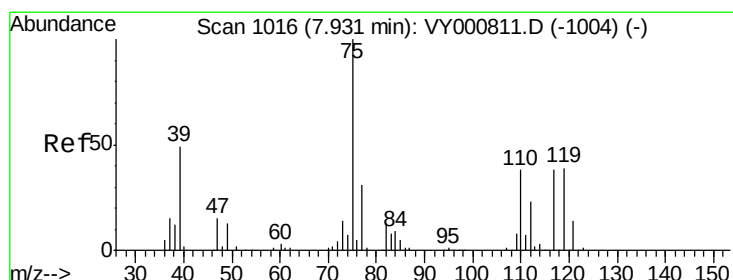
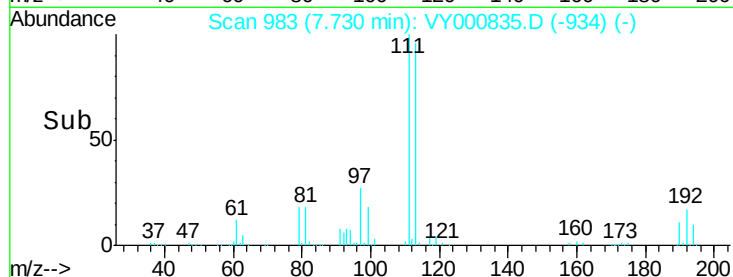
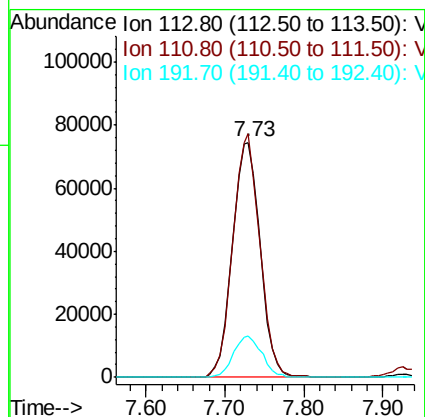
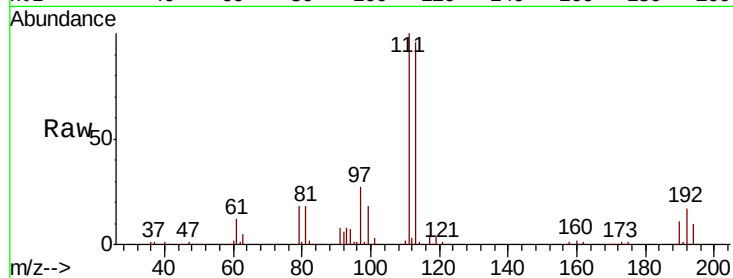
ClientSampleId :

VY1203SBS01

Tot Ion:	113	Resp:	182522
Ion Ratio	Lower	Upper	
113	100		
111	100.3	82.4	123.6
192	18.0	14.2	21.2

Manual Integrations
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12/4/2019 2:06:21 PM



#36

1,1-Dichloropropene

Concen: 19.186 ug/l

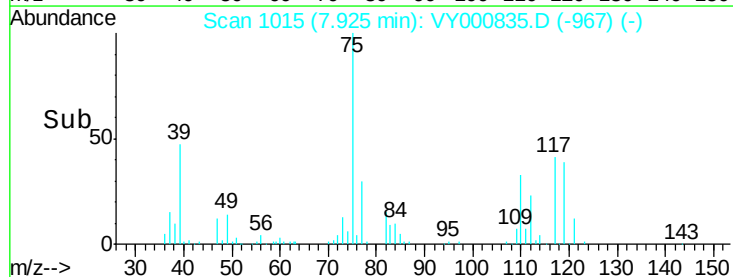
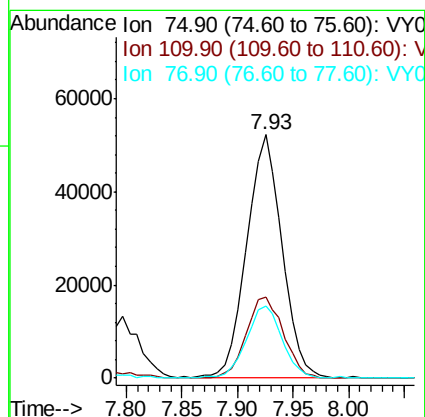
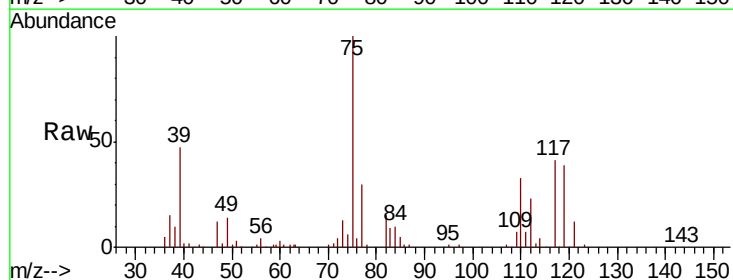
RT: 7.93 min Scan# 1015

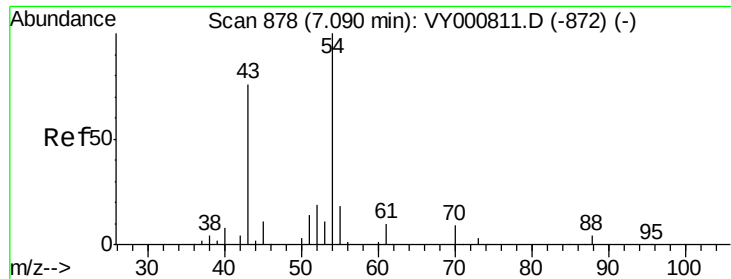
Delta R.T. -0.01 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	75	Resp:	115793
Ion Ratio	Lower	Upper	
75	100		
110	34.9	17.9	53.7
77	30.2	24.7	37.1





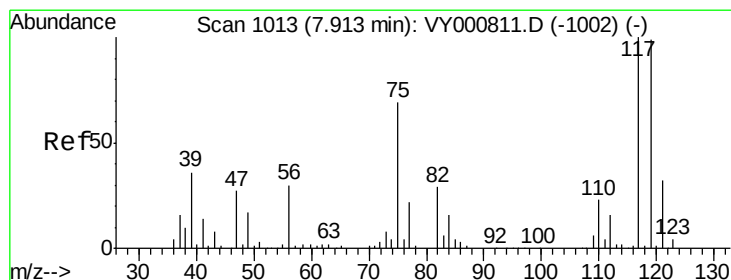
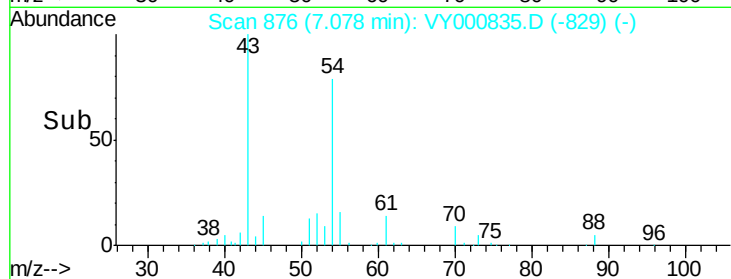
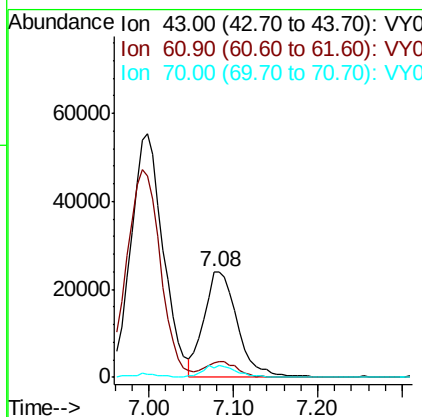
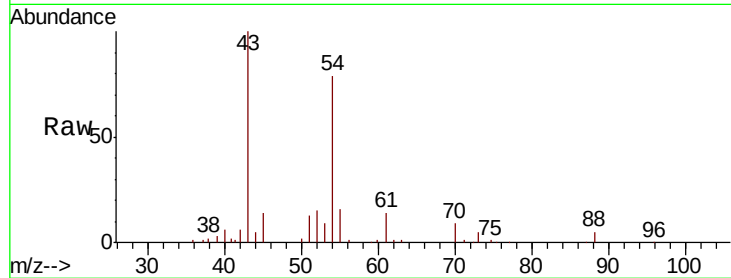
#37
Ethyl Acetate
Concen: 19.022 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	43	Resp	66292
Ion Ratio	100	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	11.2	8.7	13.1

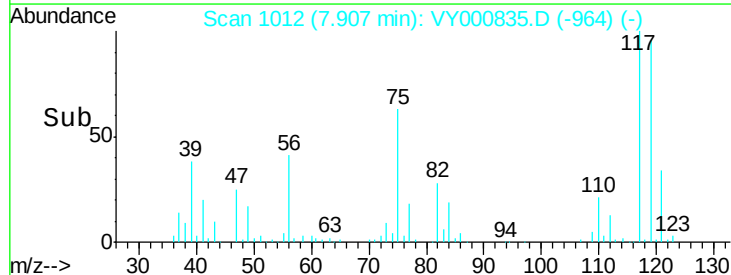
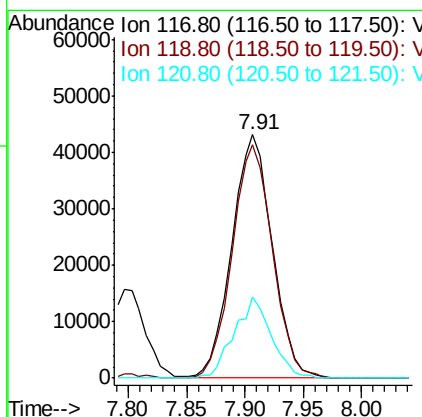
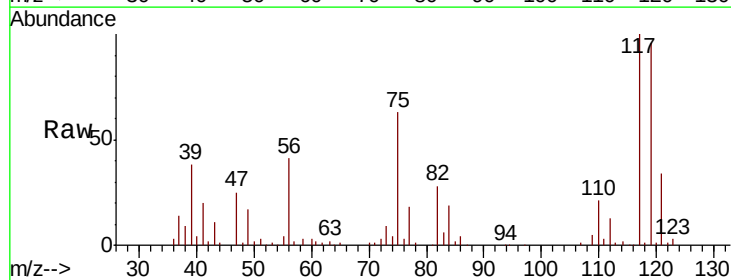
Manual Integrations
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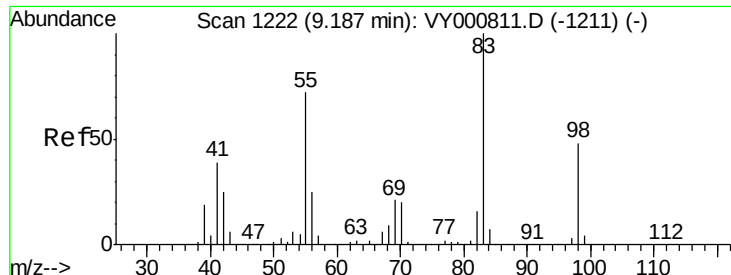
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#38
Carbon Tetrachloride
Concen: 19.394 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	117	Resp	104242
Ion Ratio	100	Lower	Upper
117	100		
119	95.6	79.3	118.9
121	33.5	25.5	38.3





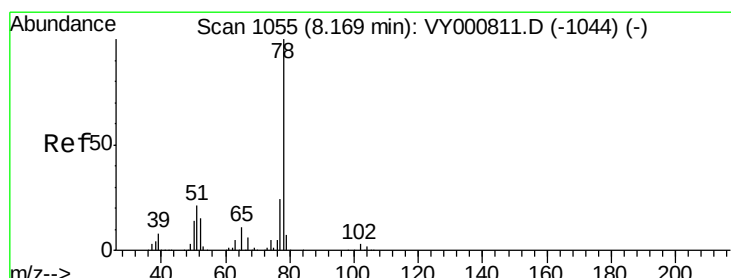
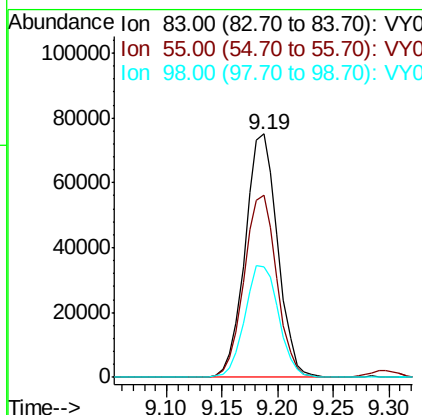
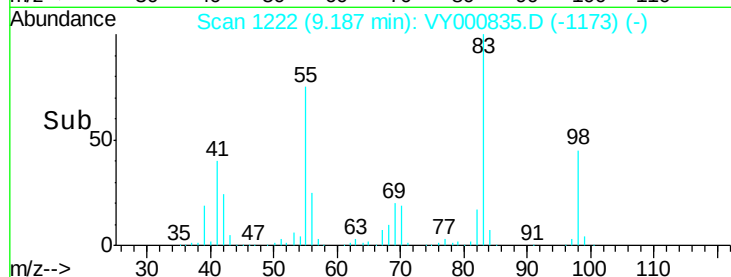
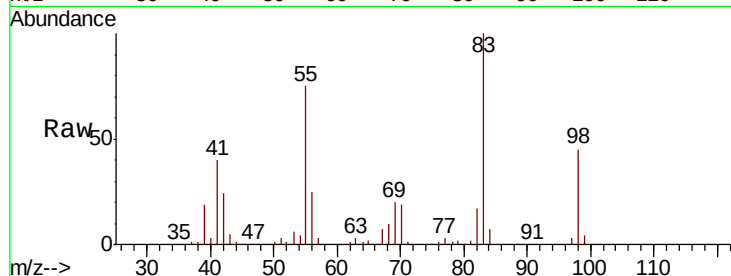
#39
Methylvlcyclohexane
Concen: 19.071 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	57.8	86.6
98	45.3	38.6	58.0

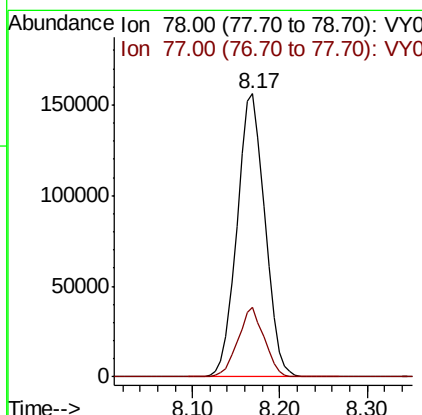
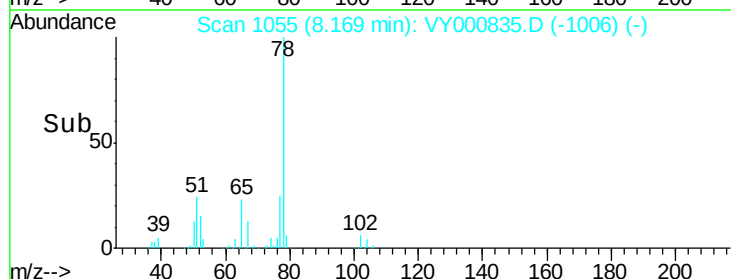
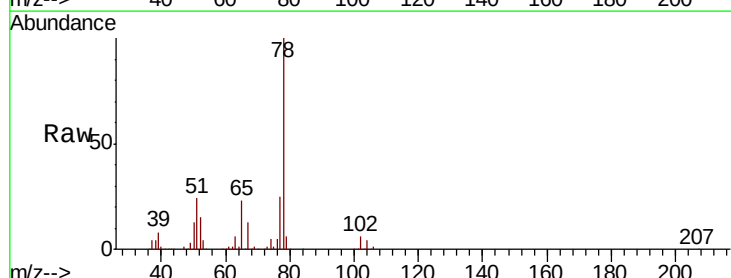
Manual Integrations
APPROVED

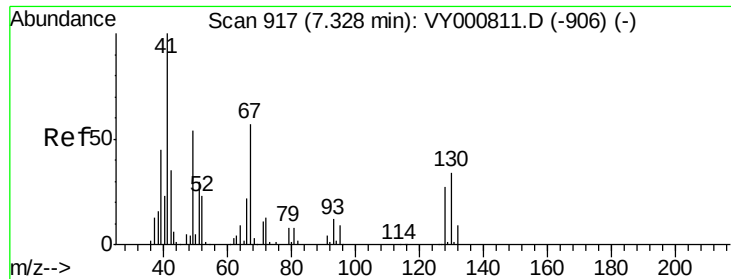
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#40
Benzene
Concen: 19.713 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





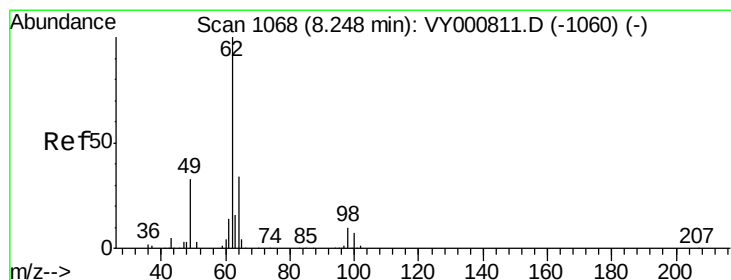
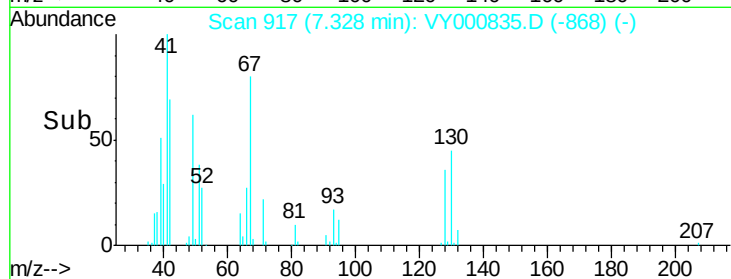
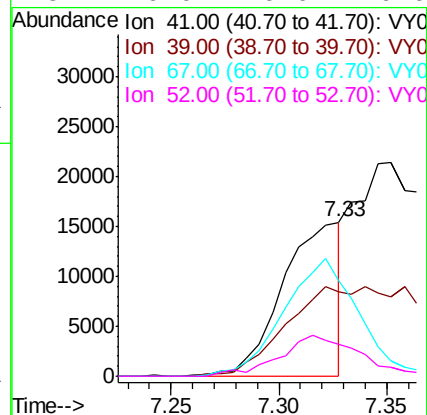
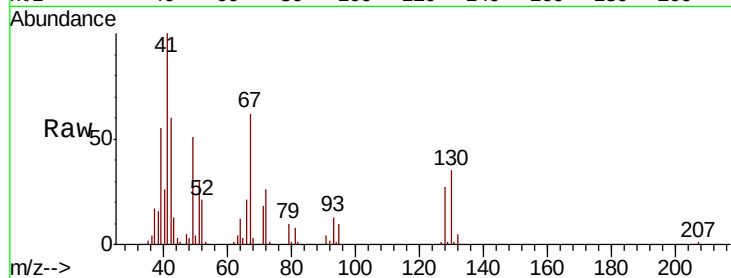
#41
Methacrylonitrile
Concen: 16.009 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	41	Resp	29404
Ion	Ratio	Lower	Upper
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

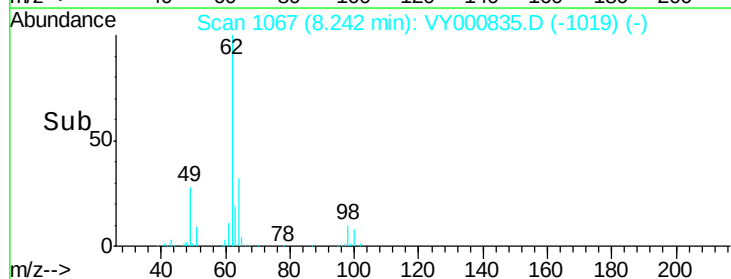
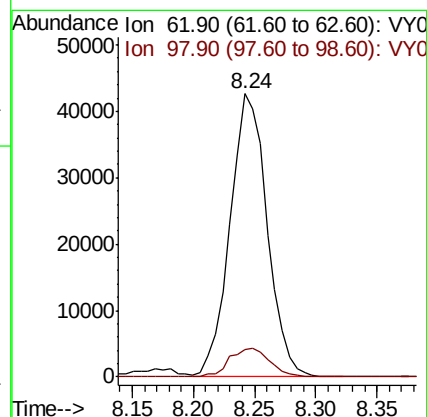
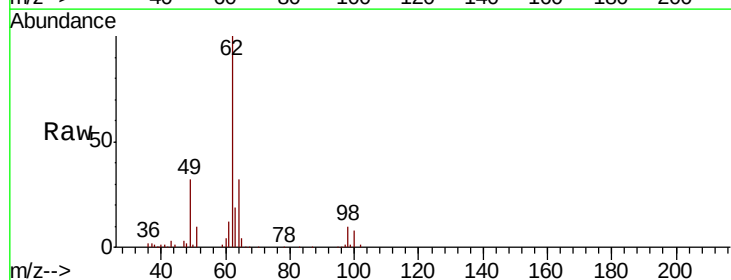
Manual Integrations
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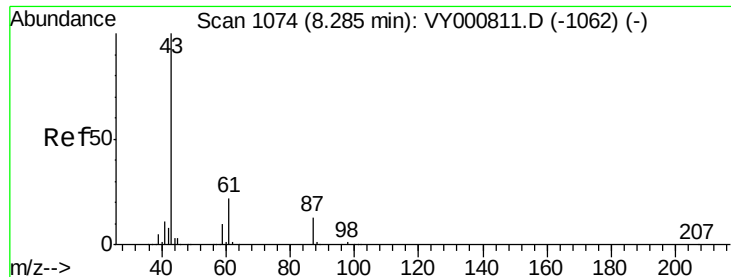
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#42
1,2-Dichloroethane
Concen: 19.337 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	62	Resp	89403
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





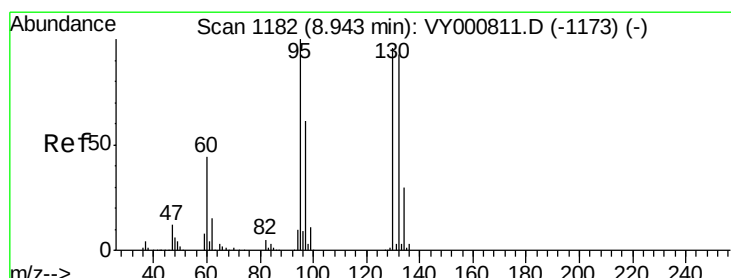
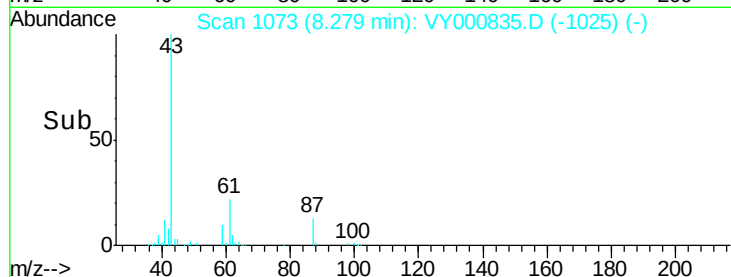
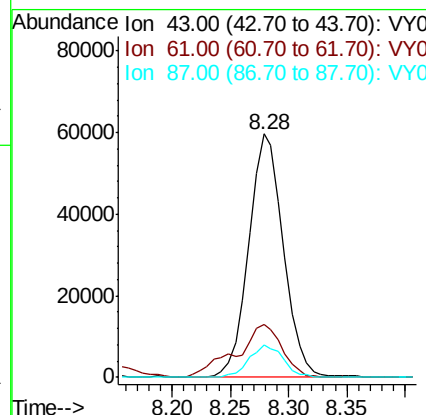
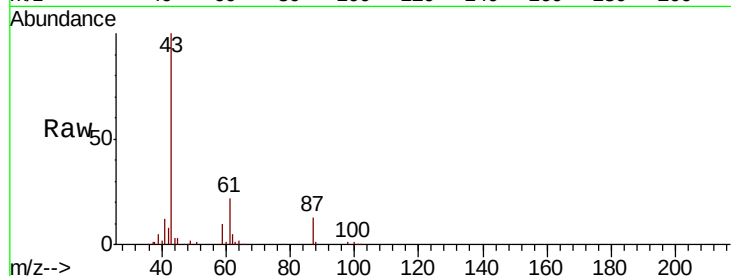
#43
Isopropyl Acetate
Concen: 18.813 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.7	35.5
87	13.2	10.6	15.8

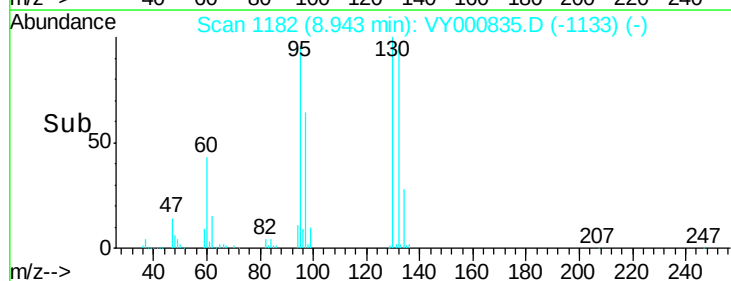
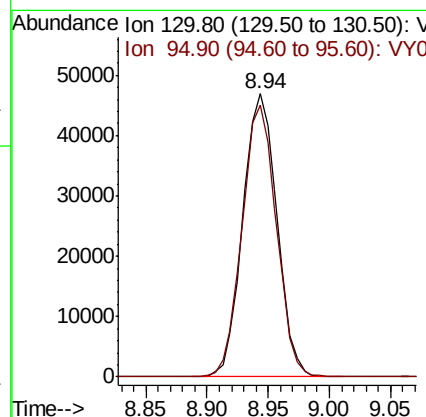
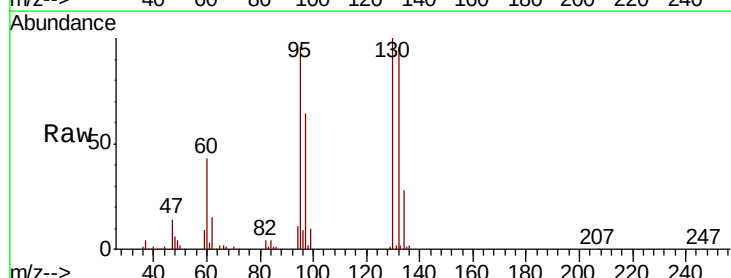
Manual Integrations
APPROVED

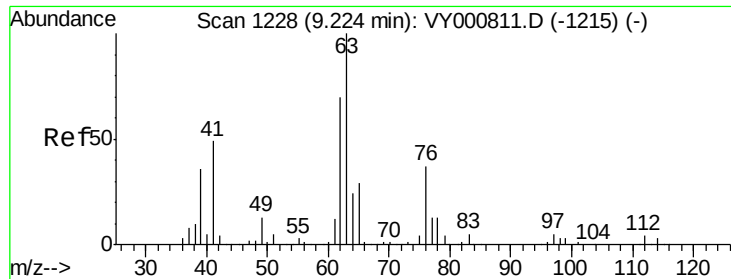
MMDadoda
12/4/2019 2:06:21 PM



#44
Trichloroethene
Concen: 20.123 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	207.8





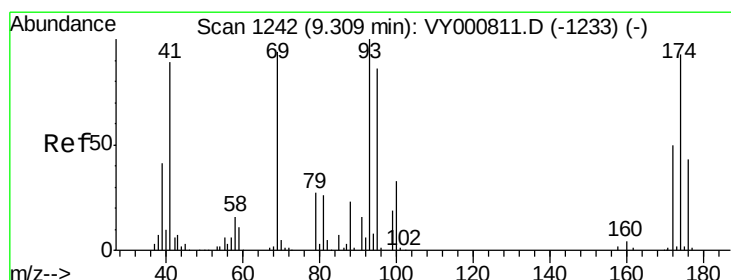
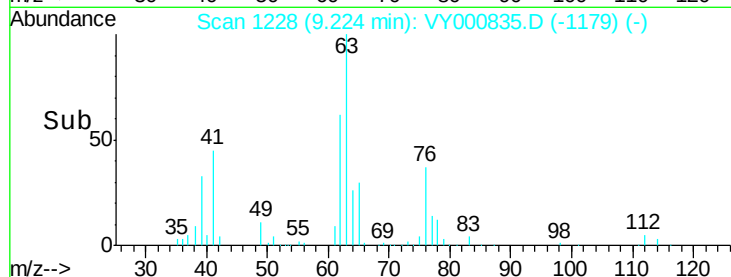
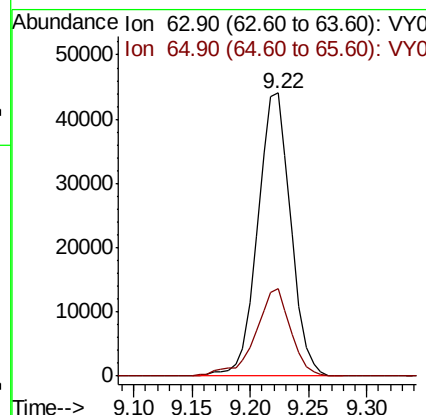
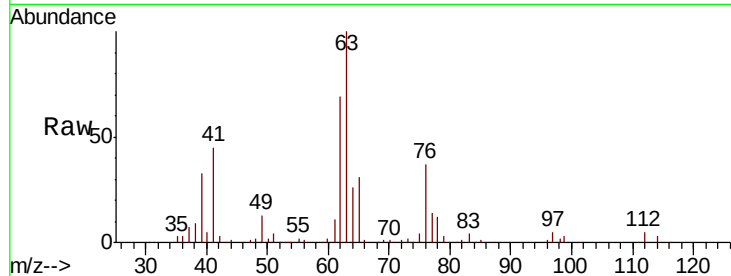
#45
 1,2-Dichloropropane
 Concen: 19.777 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.2	34.8

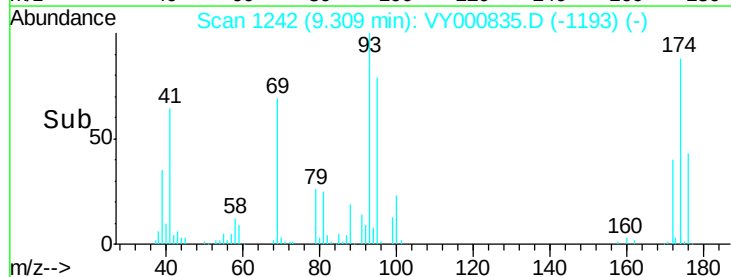
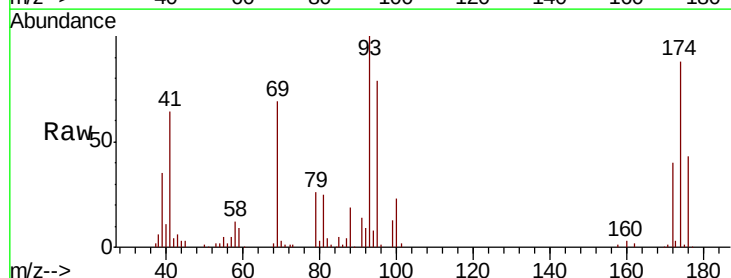
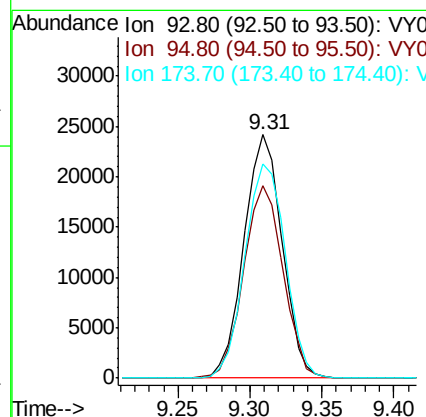
Manual Integrations
 APPROVED

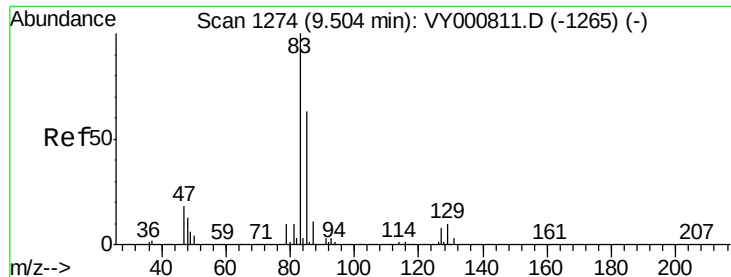
MMDadoda
 12/4/2019 2:06:21 PM



#46
 Dibromomethane
 Concen: 19.257 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.4	99.6
174	93.3	73.0	109.6





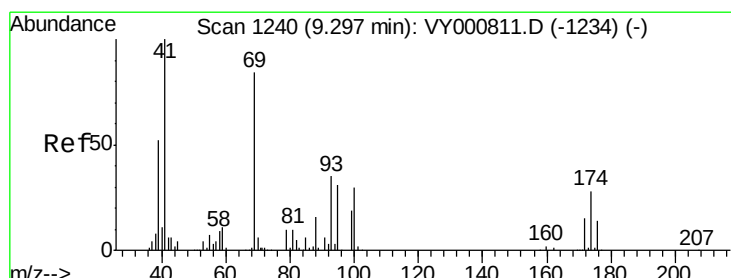
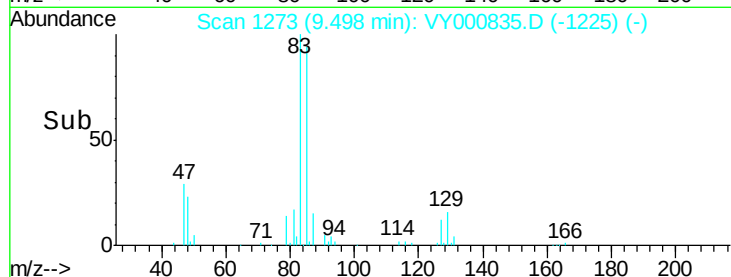
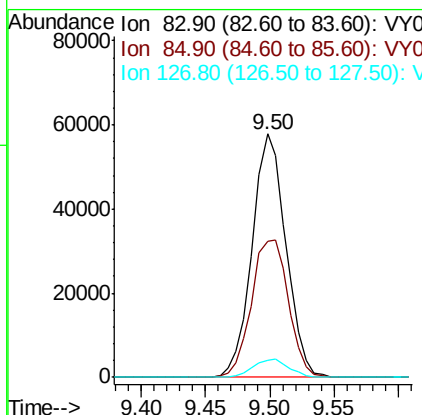
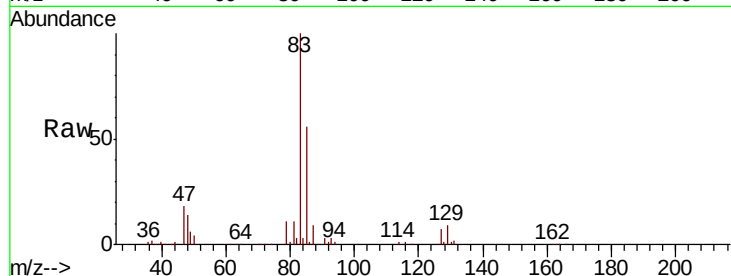
#47
Bromodichloromethane
Concen: 19.293 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	104568		
85	55.7		50.8	76.2
127	7.0		6.6	10.0

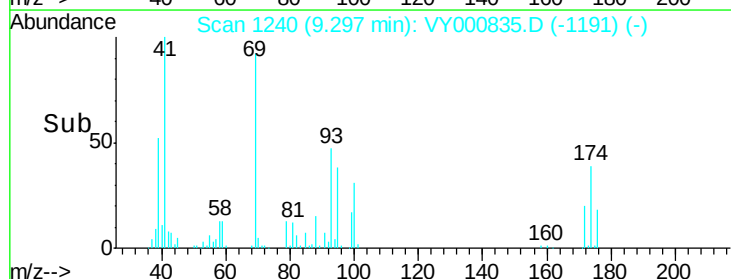
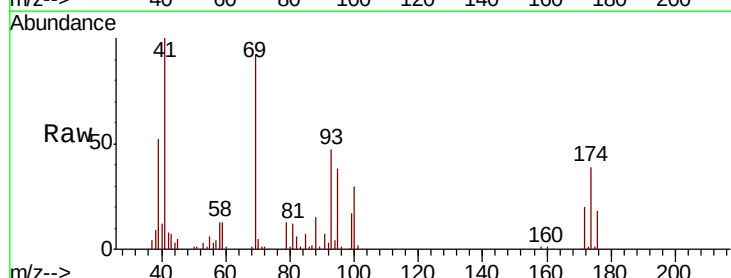
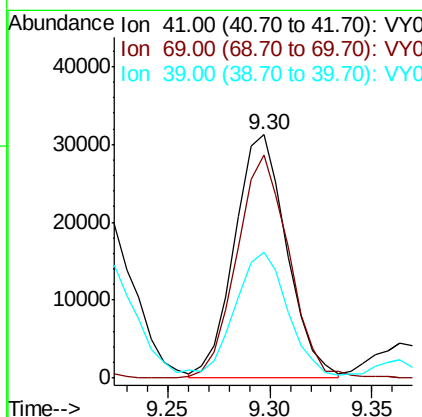
Manual Integrations
APPROVED

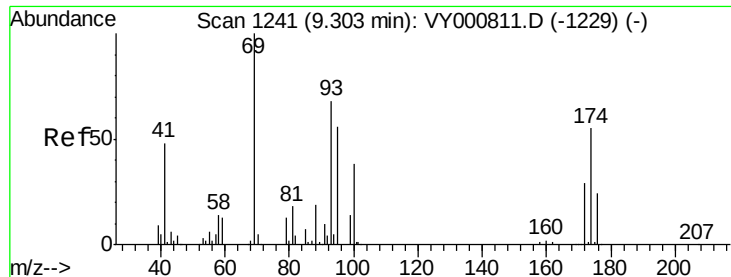
MMDadoda
12/4/2019 2:06:21 PM



#48
Methyl methacrylate
Concen: 19.280 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	55677		
69	91.5		70.4	105.6
39	49.9		40.9	61.3





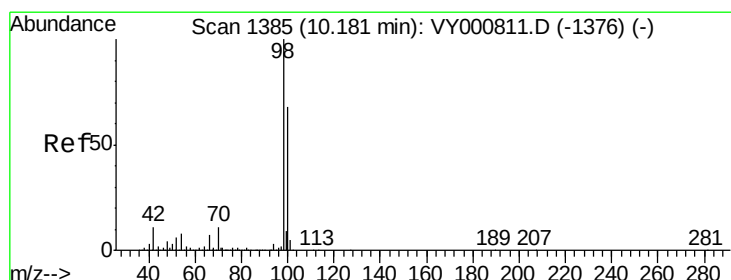
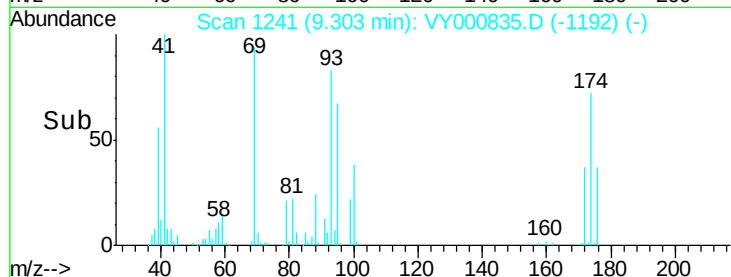
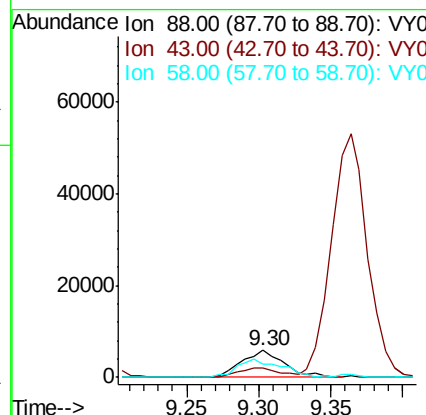
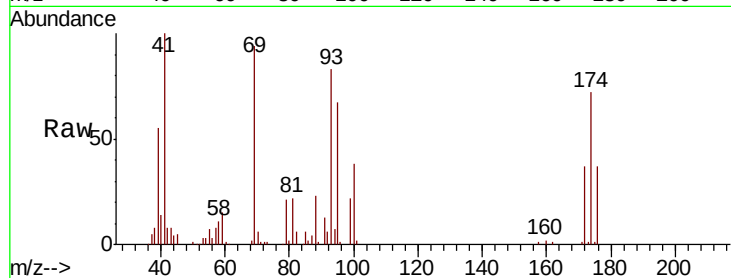
#49
1,4-Dioxane
Concen: 370.124 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	21.1	31.7#
58	71.9	50.7	76.1

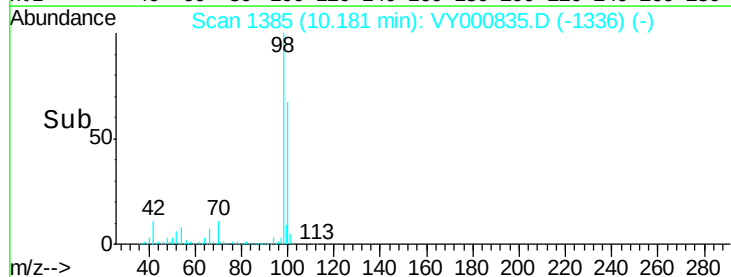
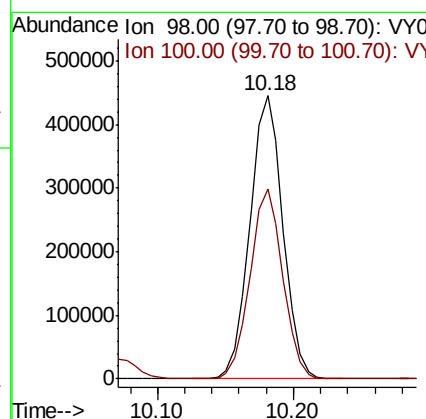
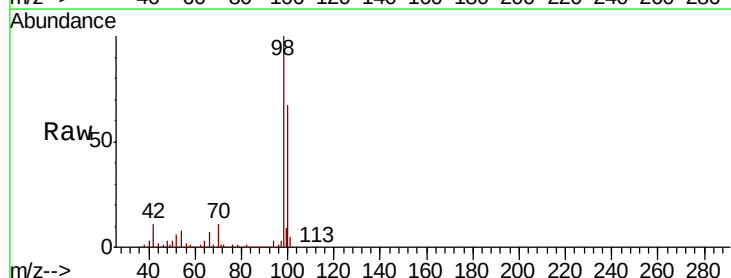
Manual Integrations
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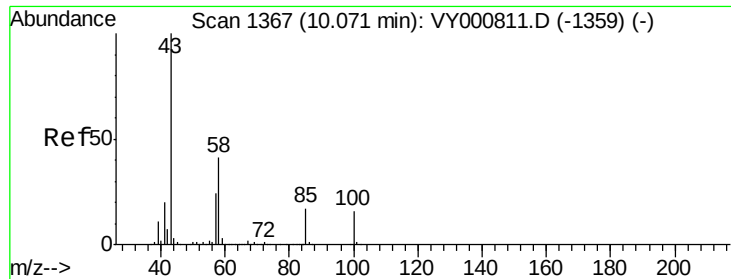
MMDadoda
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#50
Toluene-d8
Concen: 53.447 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





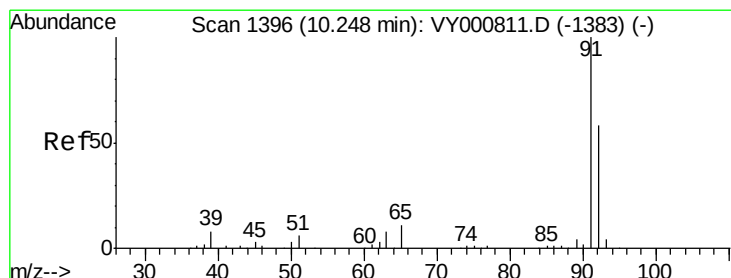
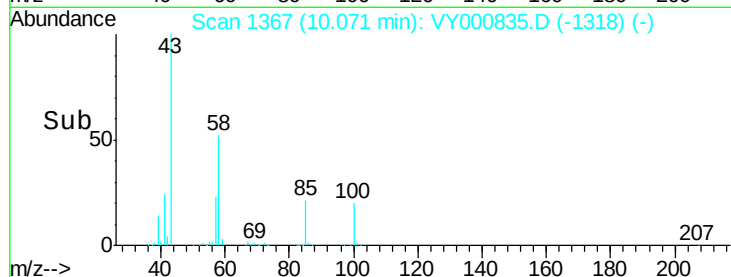
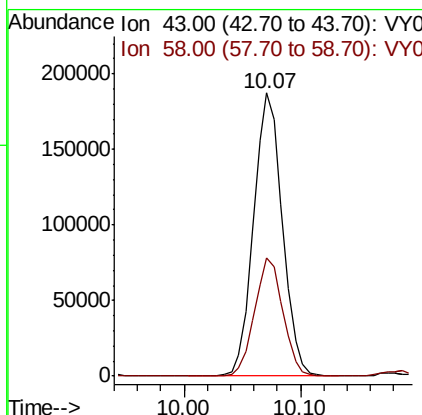
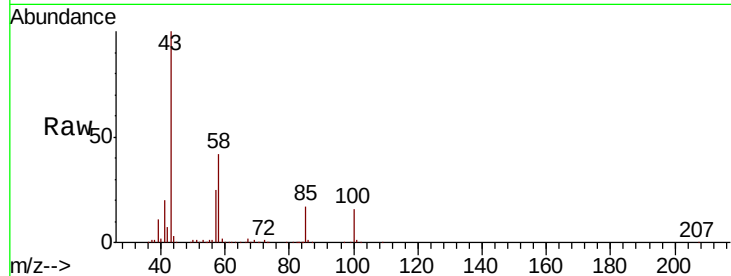
#51
4-Methyl-2-Pentanone
Concen: 94.561 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	41.1	33.1	49.7	

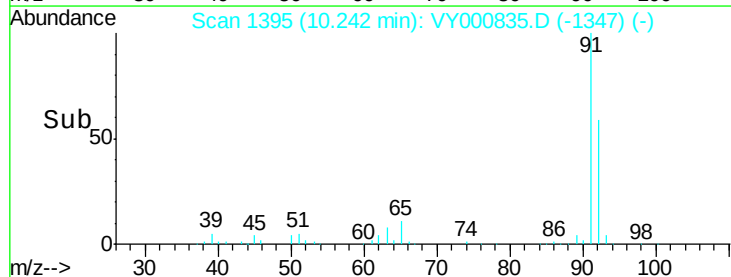
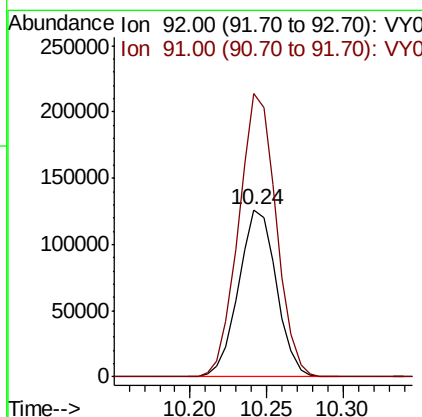
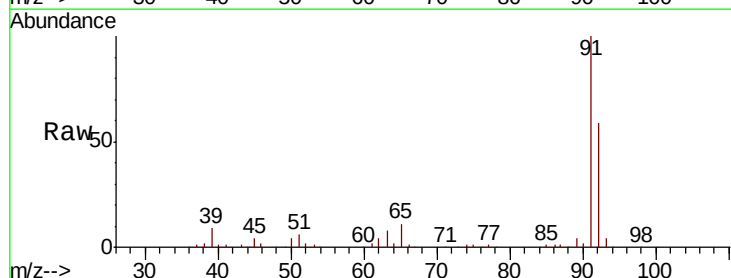
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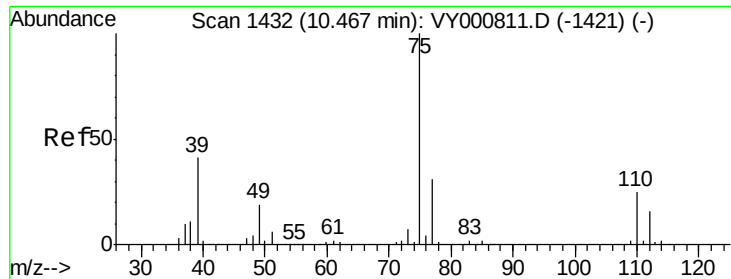
MMDadoda
12/4/2019 2:06:21 PM



#52
Toluene
Concen: 19.874 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	168.7	136.6	204.8	





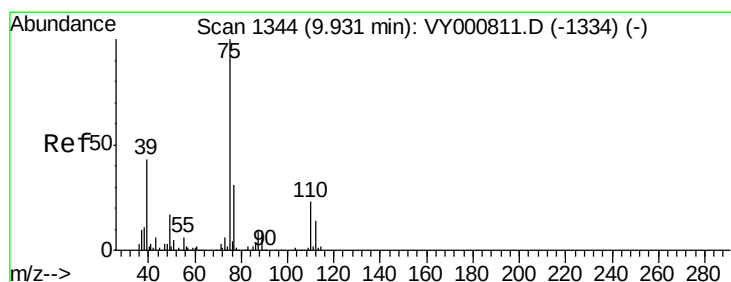
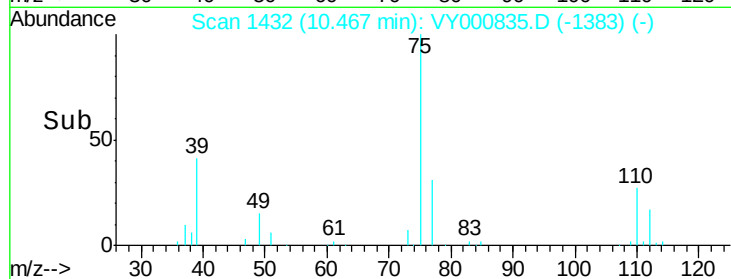
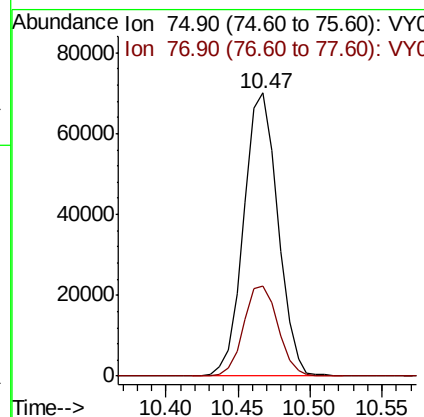
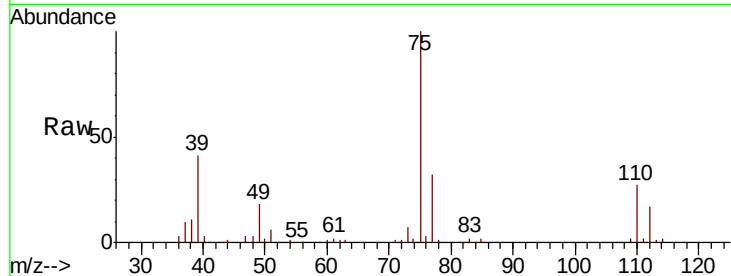
#53
t-1,3-Dichloropropene
Concen: 19.780 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion: 75 Resp: 115182
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

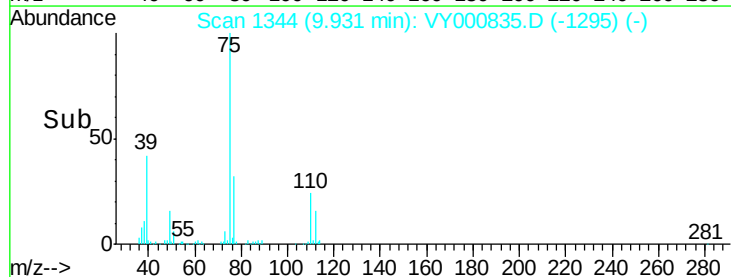
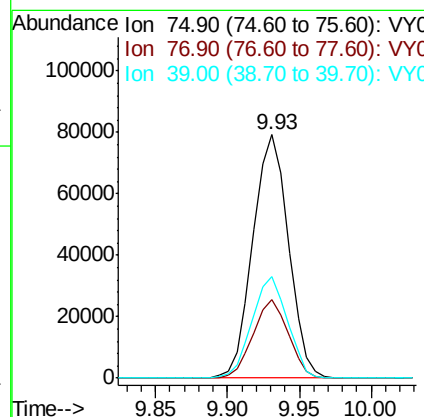
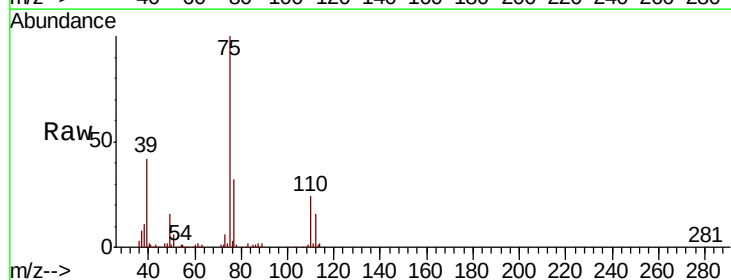
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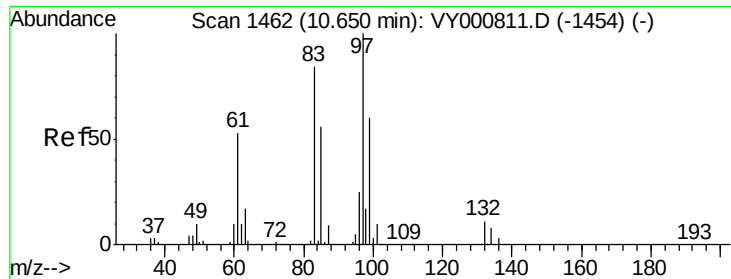
MMDadoda
12/4/2019 2:06:21 PM



#54
cis-1,3-Dichloropropene
Concen: 19.691 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion: 75 Resp: 135532
Ion Ratio Lower Upper
75 100
77 32.1 24.7 37.1
39 41.7 34.5 51.7





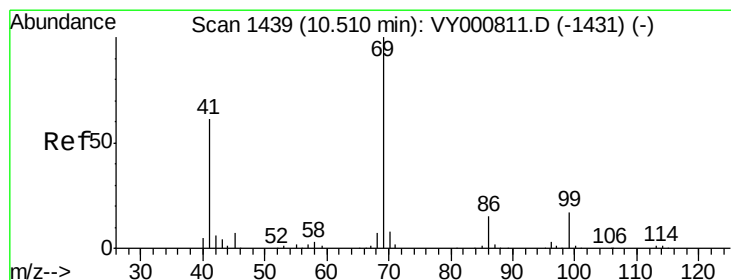
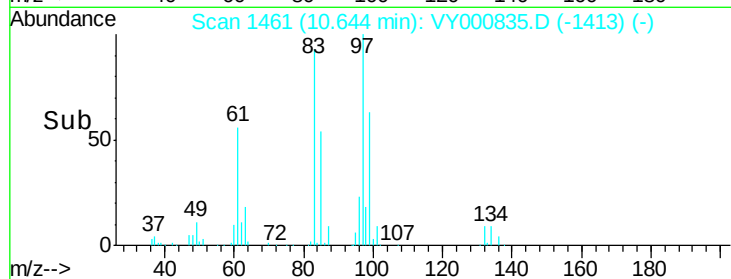
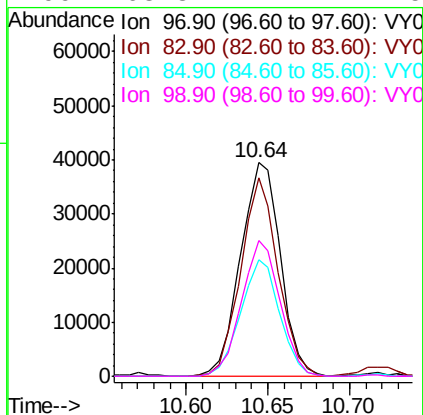
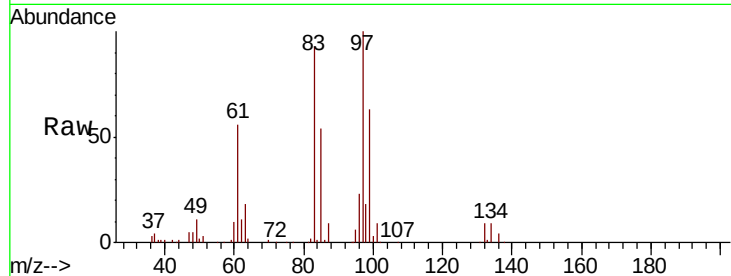
#55
 1,1,2-Trichloroethane
 Concen: 19.722 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.6	67.5	101.3	
85	54.5	44.5	66.7	
99	63.3	47.7	71.5	

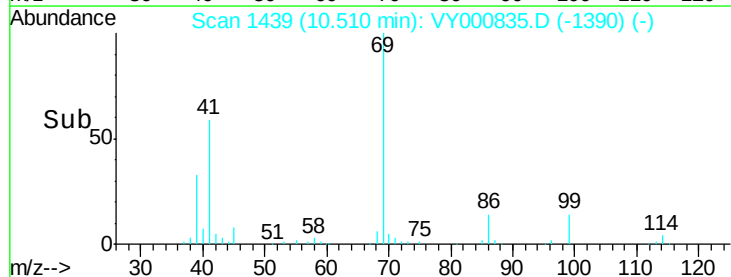
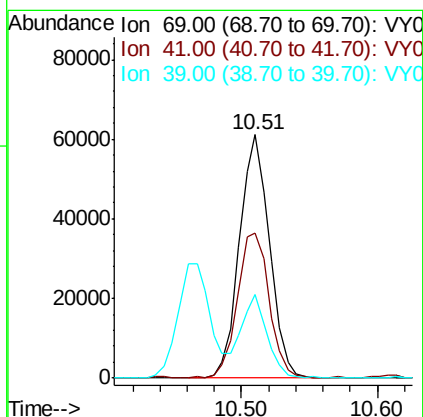
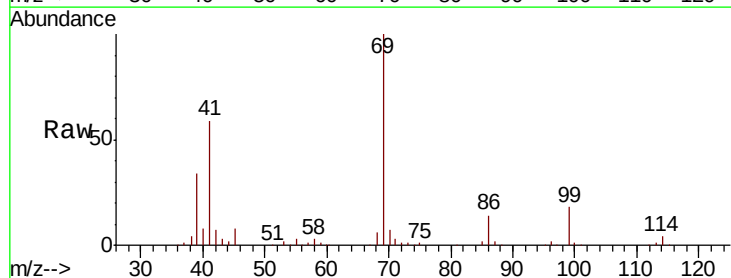
Manual Integrations
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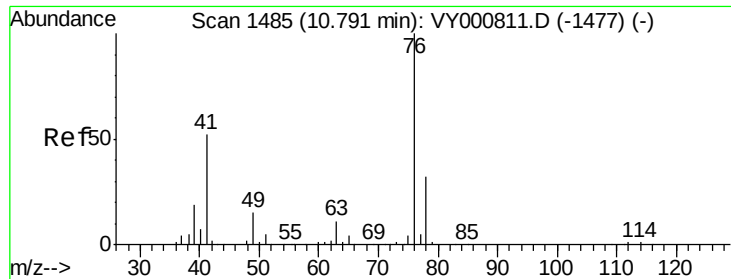
MMDadoda
 12/4/2019 2:06:21 PM



#56
 Ethyl methacrylate
 Concen: 19.341 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.0	49.0	73.6	
39	28.7	23.1	34.7	





#57

1,3-Dichloropropane

Concen: 19.637 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion: 76 Resp: 116668

Ion Ratio Lower Upper

76 100

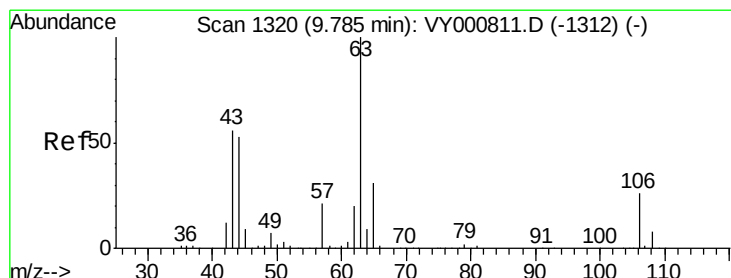
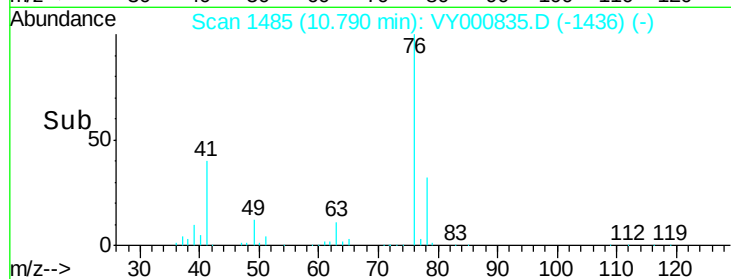
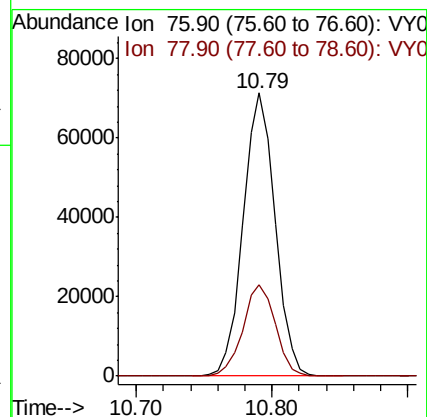
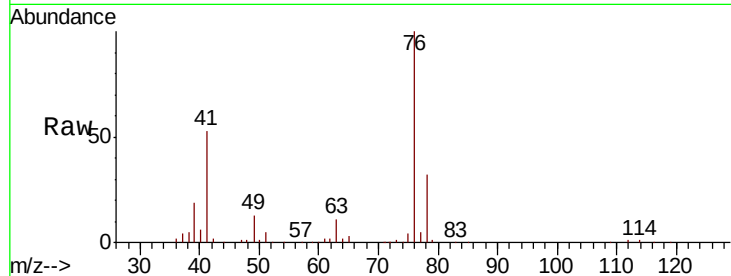
78 32.9 26.4 39.6

Manual Integrations

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MMDadoda

12/4/2019 2:06:21 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.036 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY000835.D

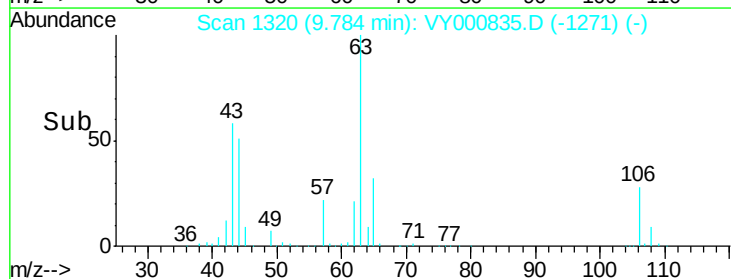
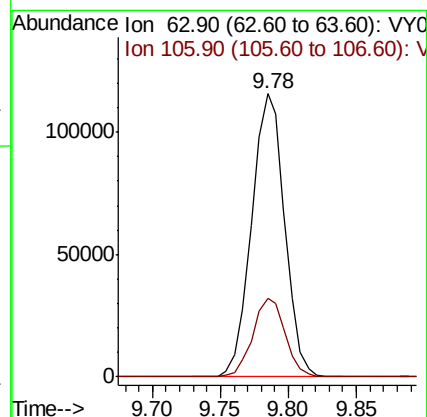
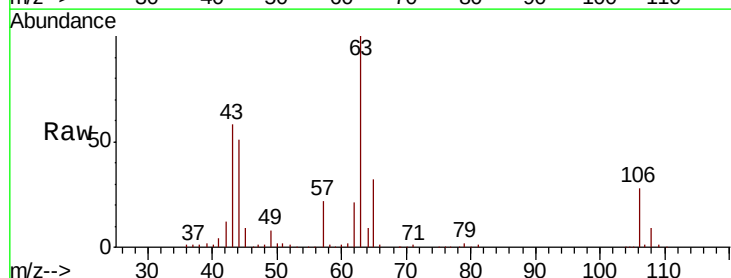
Acq: 03 Dec 2019 11:58

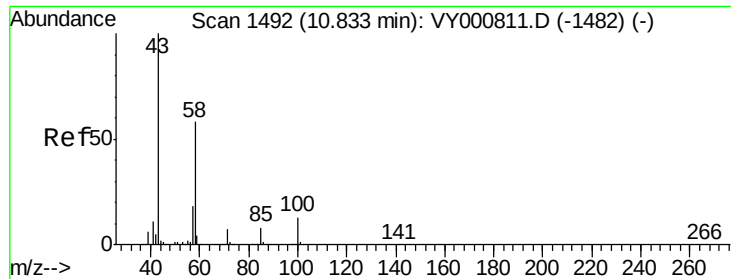
Tgt Ion: 63 Resp: 196693

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3





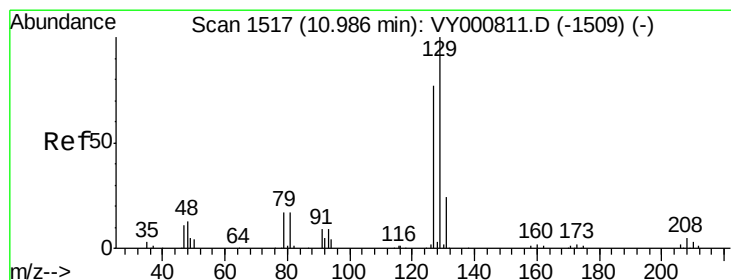
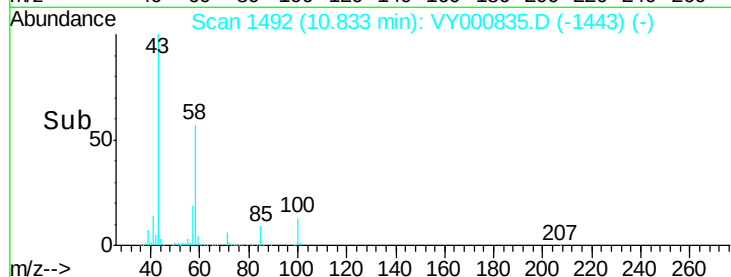
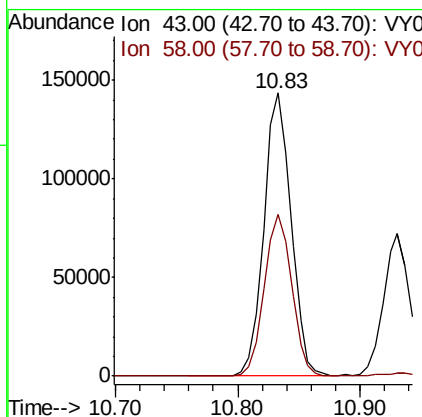
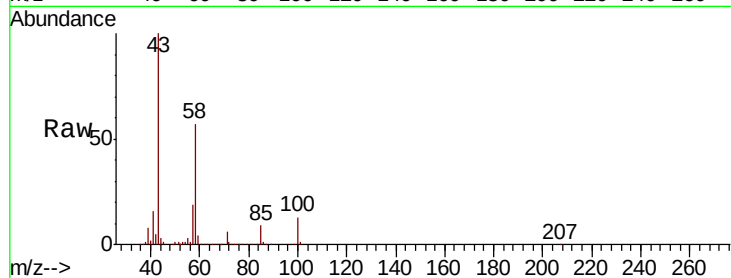
#59
2-Hexanone
Concen: 90.083 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.0	87.1

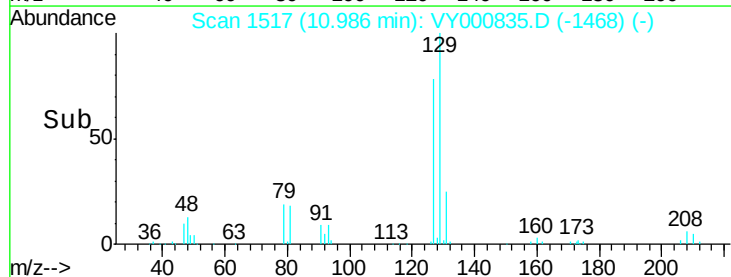
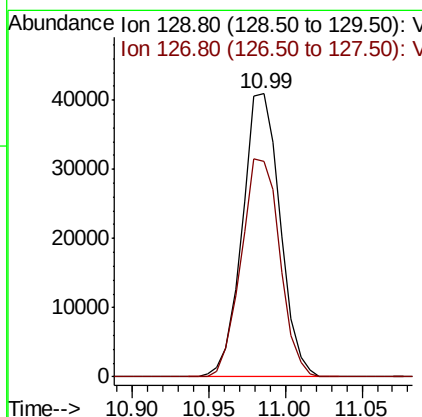
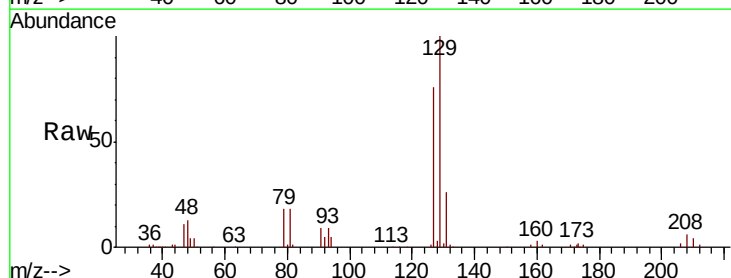
Manual Integrations
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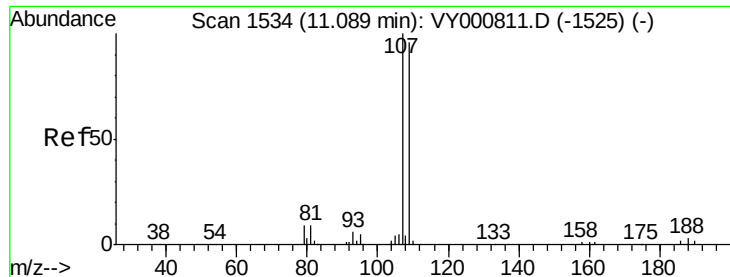
MMDadoda
12/4/2019 2:06:21 PM



#60
Dibromochloromethane
Concen: 19.159 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.1	117.2





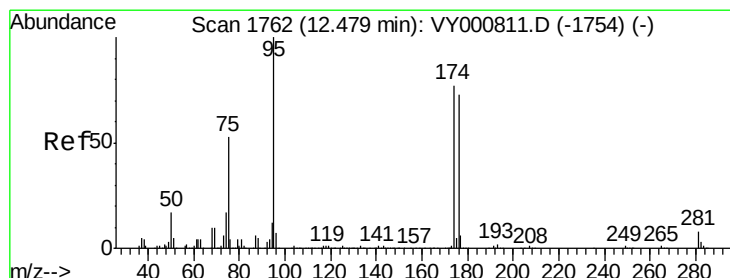
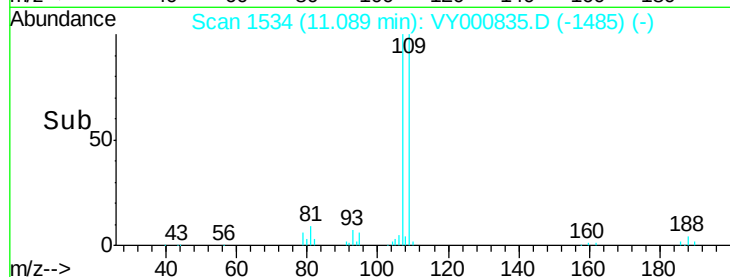
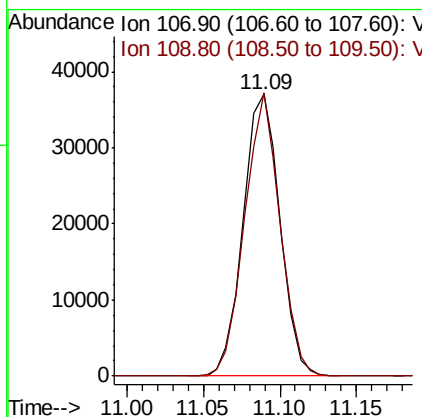
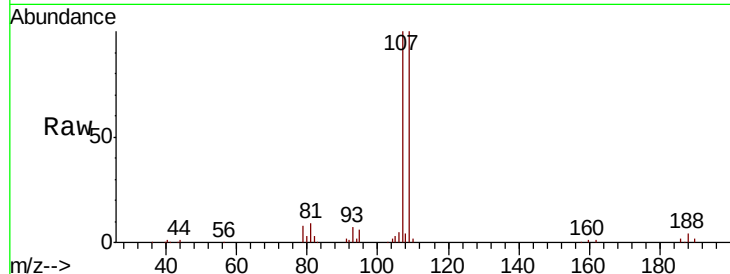
#61
 1,2-Dibromoethane
 Concen: 19.258 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.9	113.9

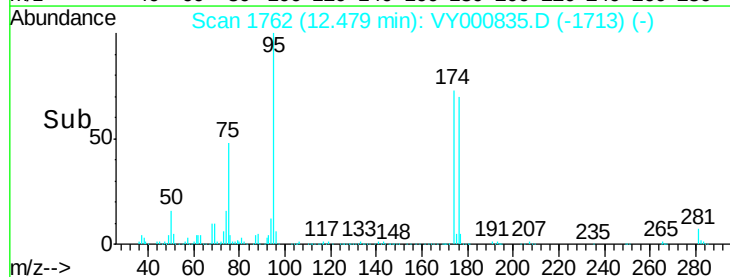
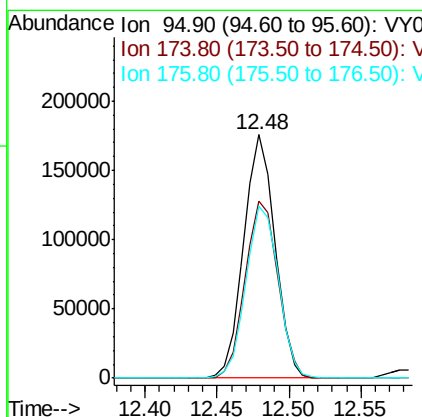
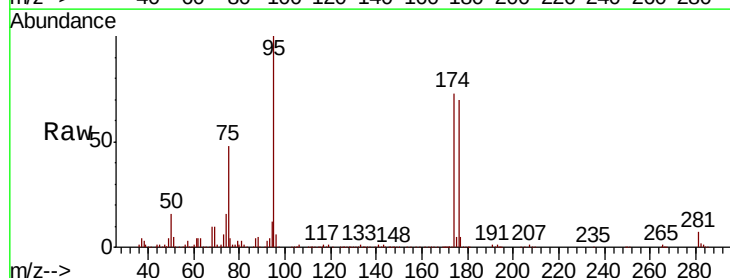
Manual Integrations
 APPROVED

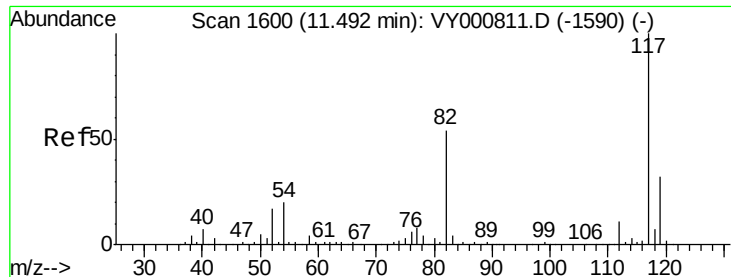
MMDadoda
 12/4/2019 2:06:21 PM



#62
 4-Bromofluorobenzene
 Concen: 49.758 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.6
176	73.4	0.0	145.2





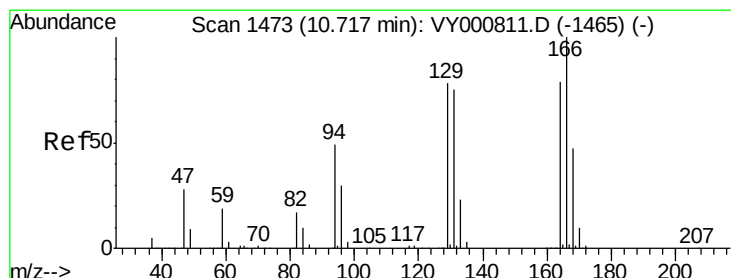
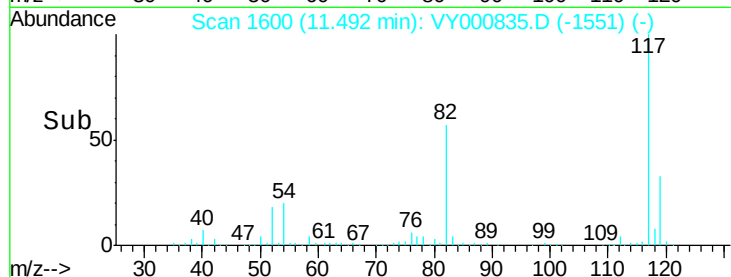
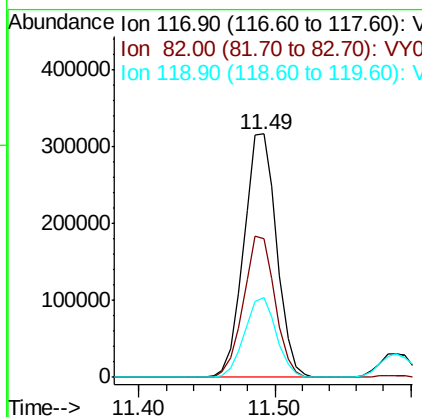
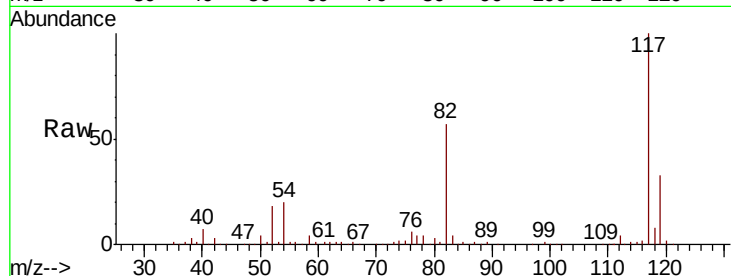
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.1	64.7
119	32.8	25.3	37.9

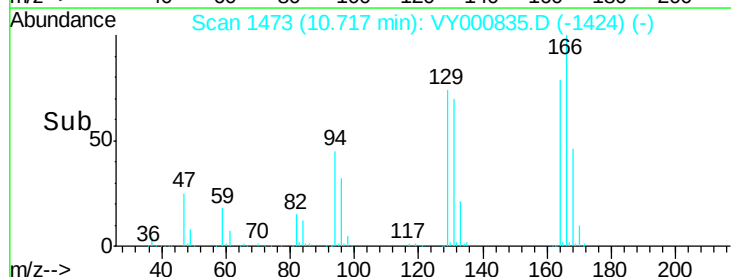
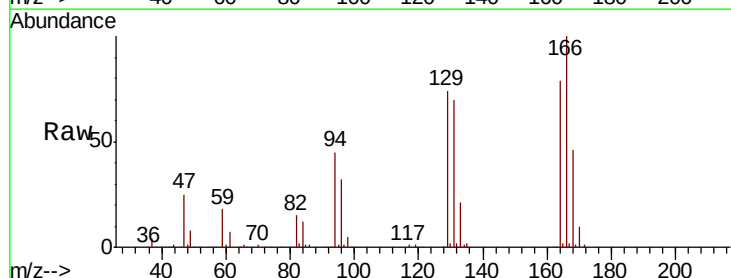
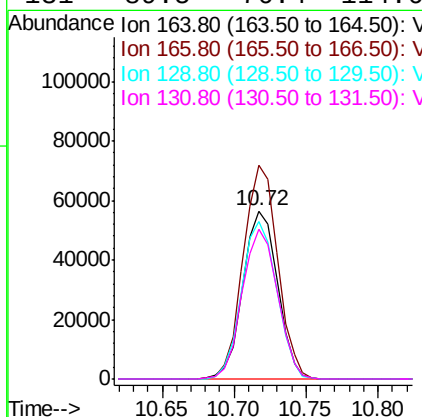
Manual Integrations
APPROVED

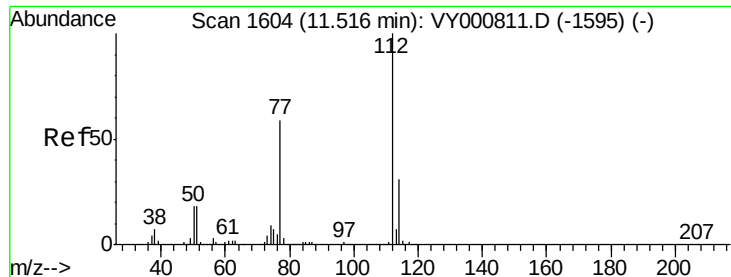
MMDadoda
12/4/2019 2:06:21 PM



#64
Tetrachloroethene
Concen: 20.344 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.8	152.8
129	93.9	79.3	118.9
131	89.5	76.4	114.6





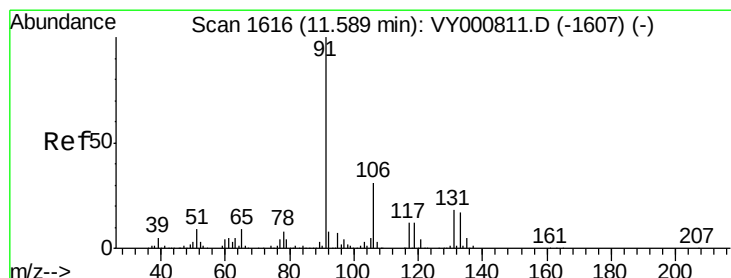
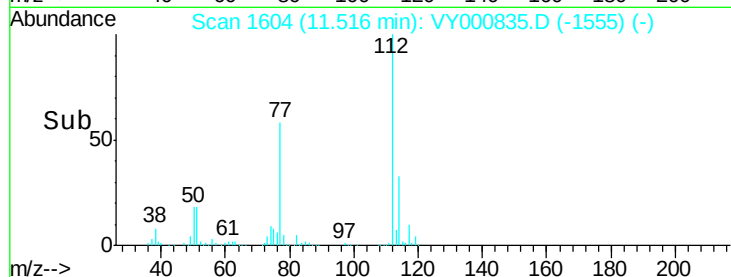
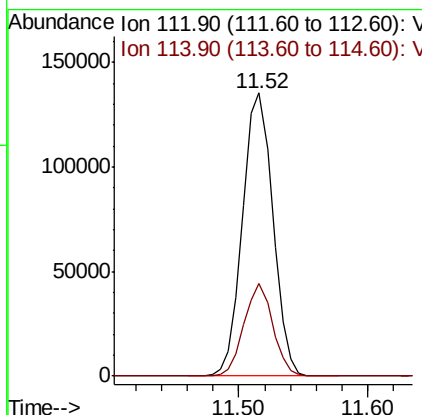
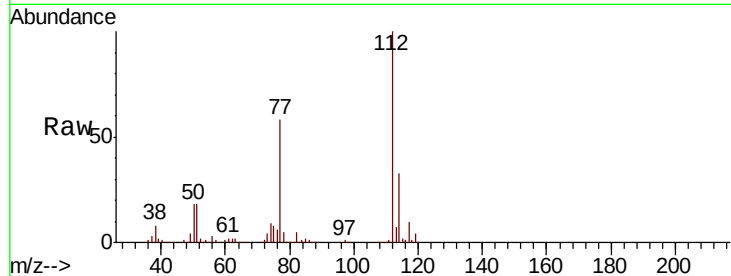
#65
Chlorobenzene
Concen: 19.955 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.1	37.7

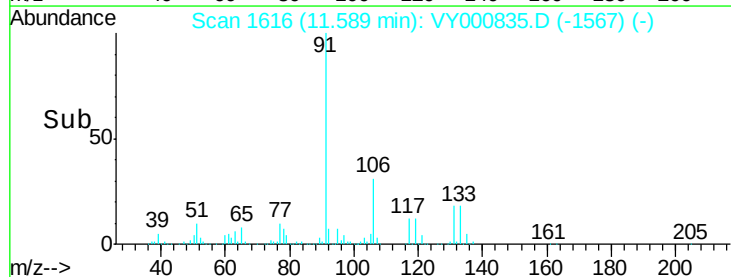
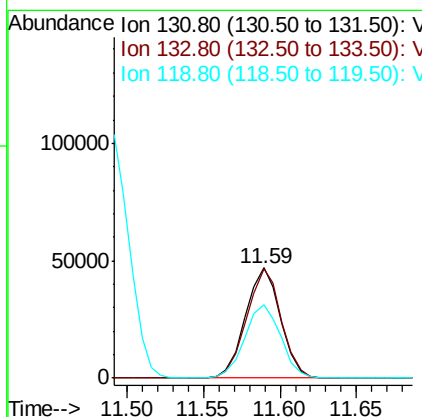
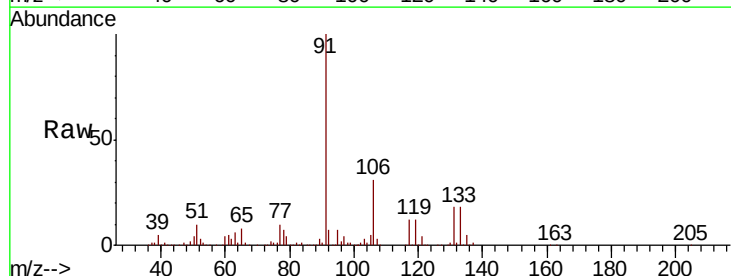
Manual Integrations
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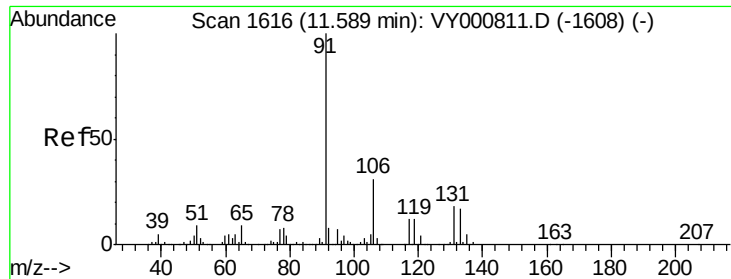
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.028 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.4	142.2
119	68.2	33.8	101.3





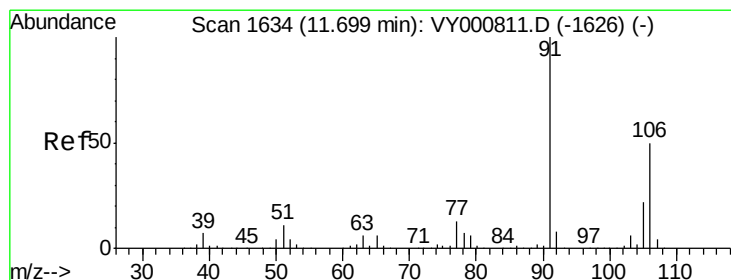
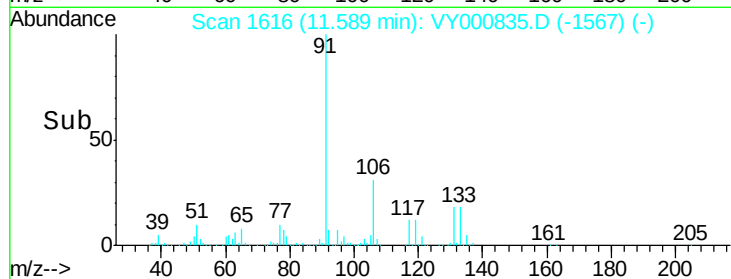
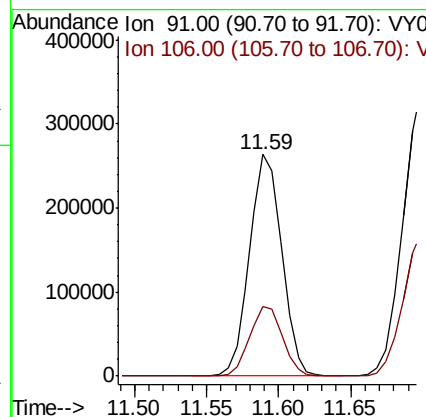
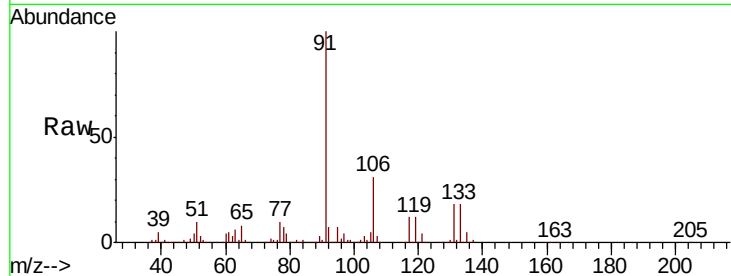
#67
Ethyl Benzene
Concen: 19.786 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampled :
VY1203SBS01

Tot Ion: 91 Resp: 407462
Ion Ratio Lower Upper
91 100
106 31.4 24.4 36.6

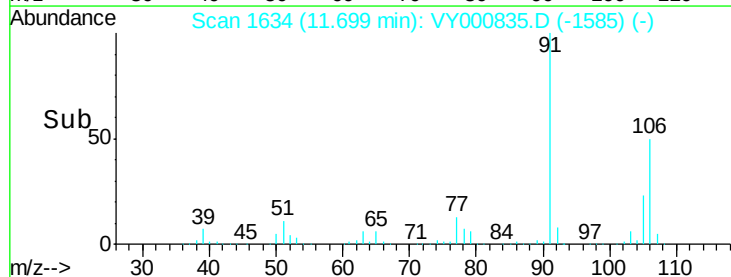
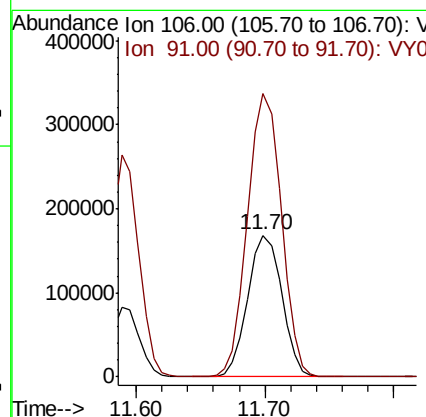
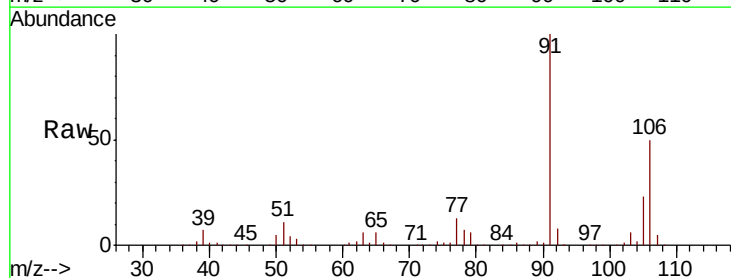
Manual Integrations
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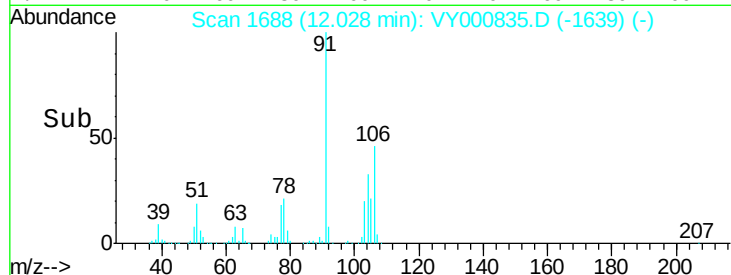
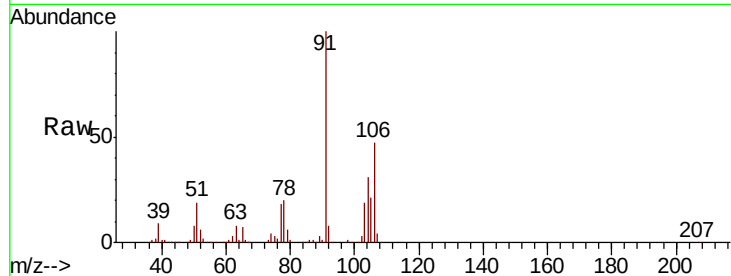
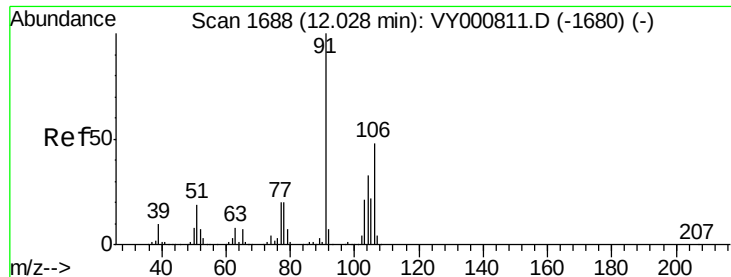
MMDadoda
12/4/2019 2:06:21 PM



#68
m/p-Xylenes
Concen: 39.942 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion: 106 Resp: 308734
Ion Ratio Lower Upper
106 100
91 198.9 159.6 239.4





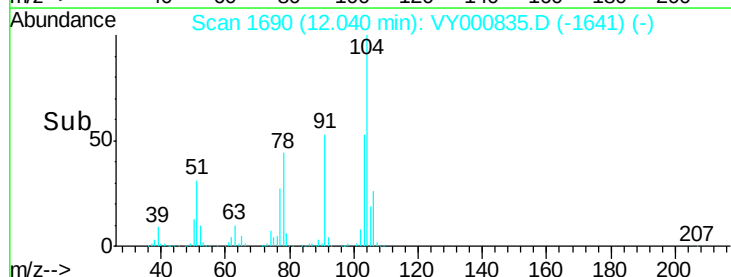
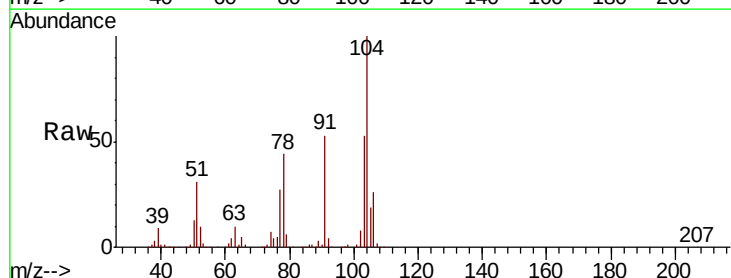
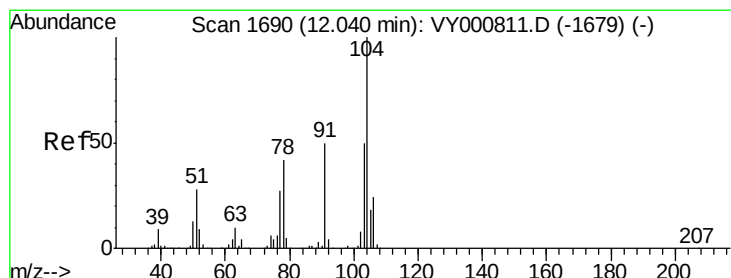
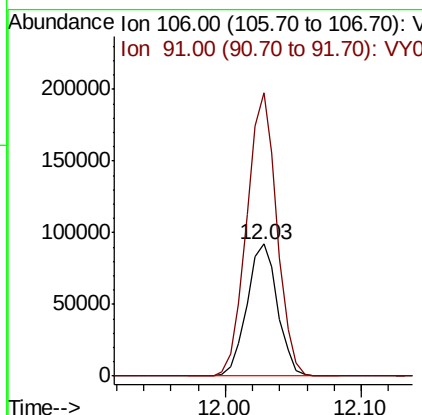
#69
o-Xylene
Concen: 20.085 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tot Ion:106 Resp: 144755
Ion Ratio Lower Upper
106 100
91 211.5 106.1 318.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

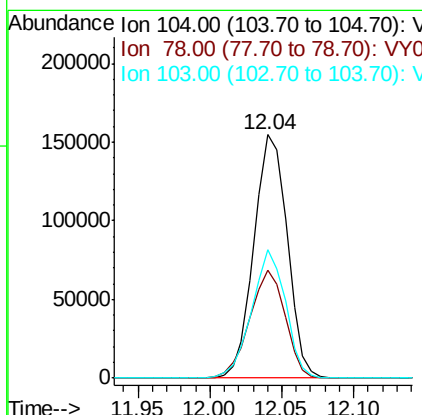
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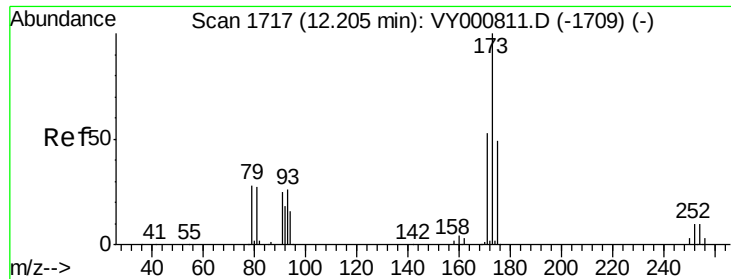
MMDadoda
12/4/2019 2:06:21 PM



#70
Styrene
Concen: 20.055 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion:104 Resp: 247491
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.4
103 53.6 43.4 65.0





#71

Bromoform

Concen: 19.630 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

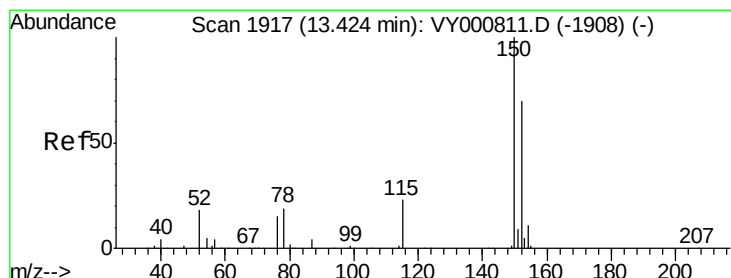
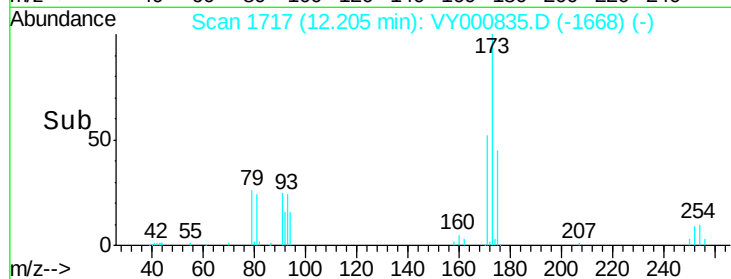
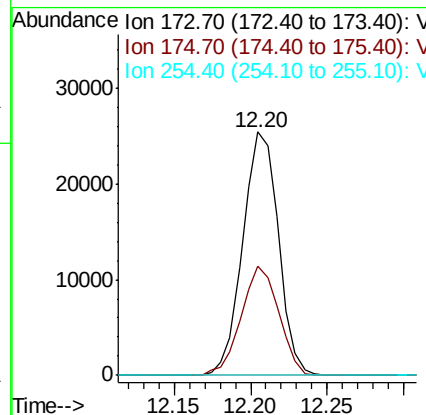
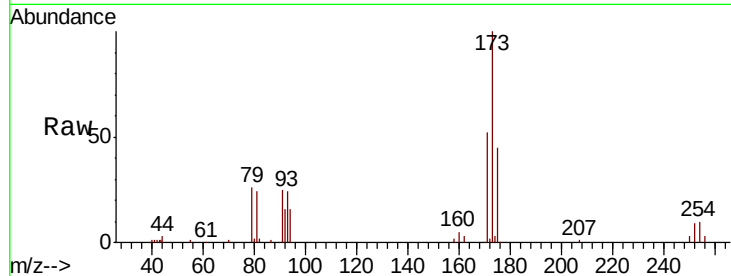
ClientSampleId :

VY1203SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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12/4/2019 2:06:21 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

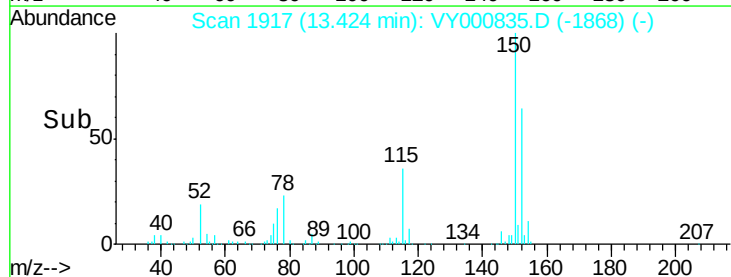
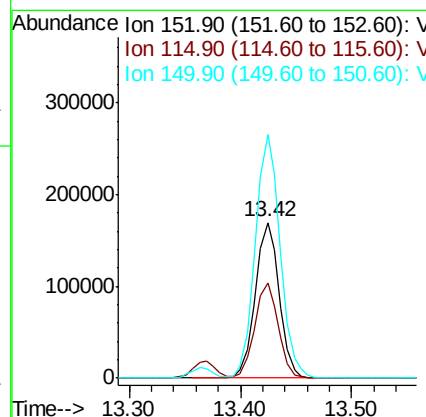
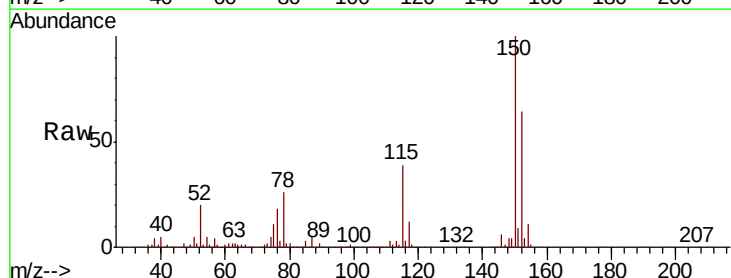
RT: 13.42 min Scan# 1917

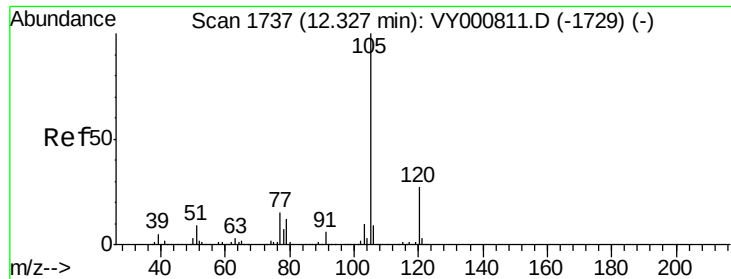
Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.3	87.8
150	164.0	0.0	351.2





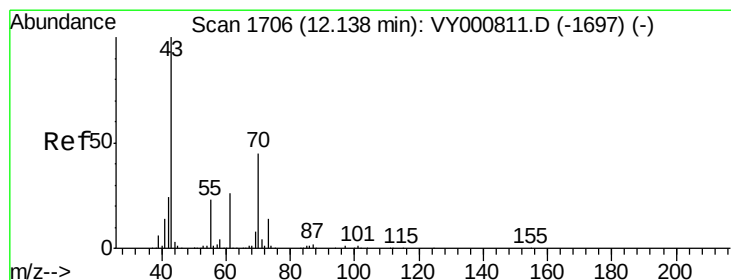
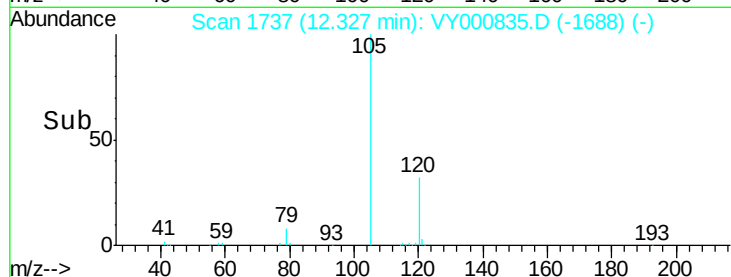
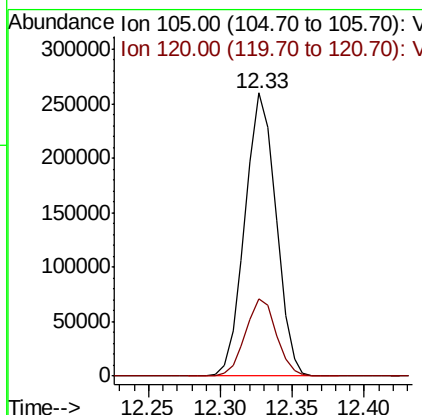
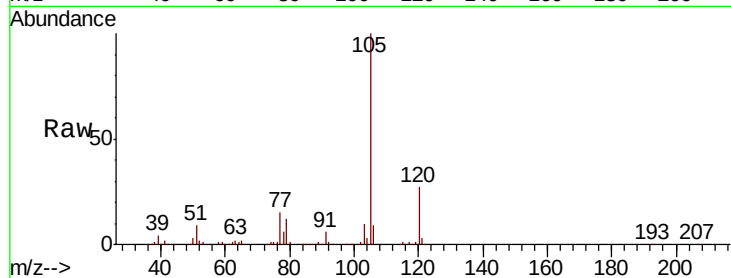
#73
Isopropylbenzene
Concen: 19.398 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

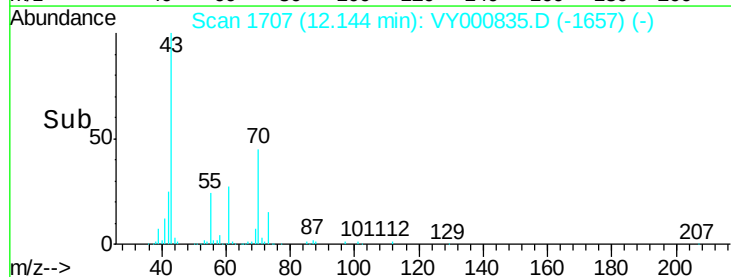
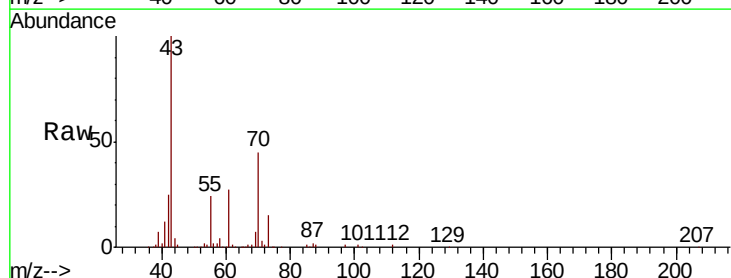
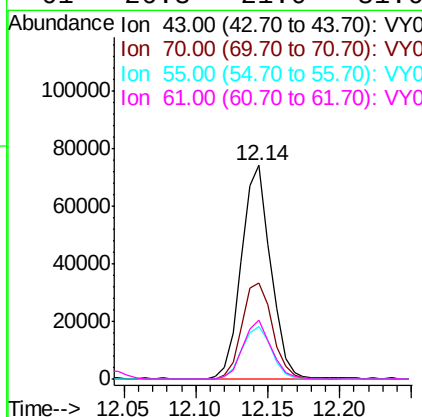
Manual Integrations
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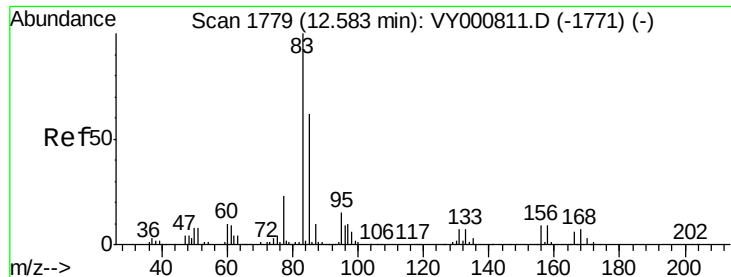
MMDadoda
12/4/2019 2:06:21 PM



#74
N-ethyl acetate
Concen: 18.730 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	36.6	54.8
55	24.7	18.8	28.2
61	26.3	21.0	31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.735 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

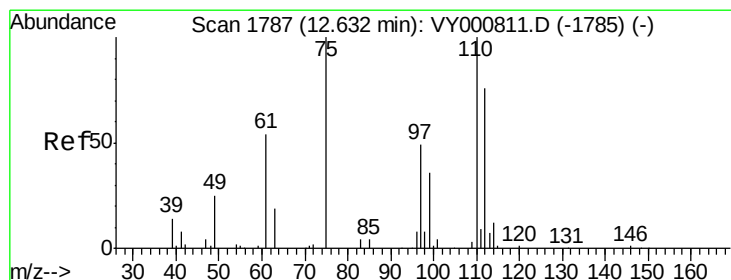
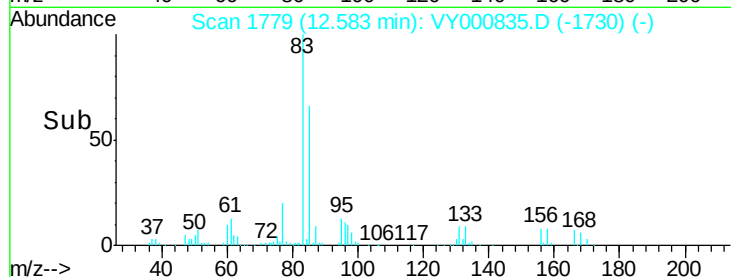
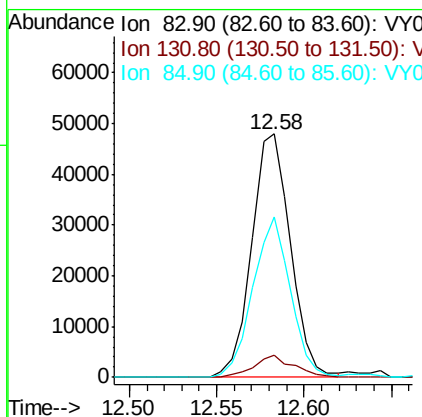
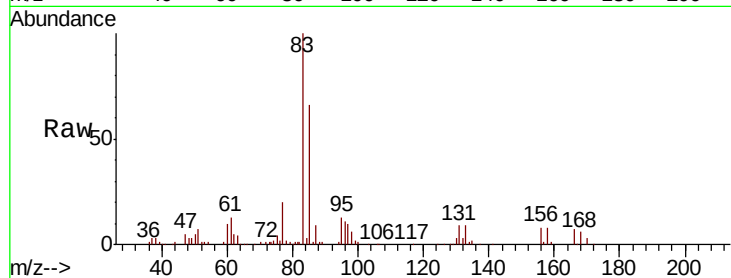
ClientSampleId :

VY1203SBS01

Tot Ion:	83	Resp:	73934
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.3	13.1
85	63.9	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.171 ug/l m

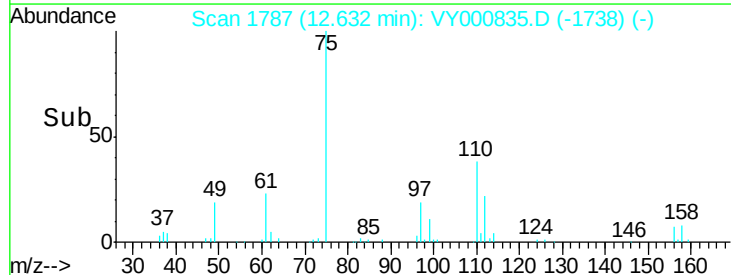
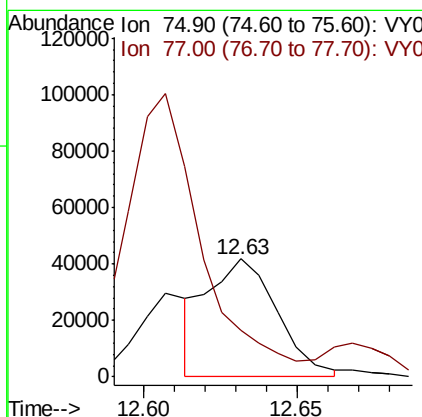
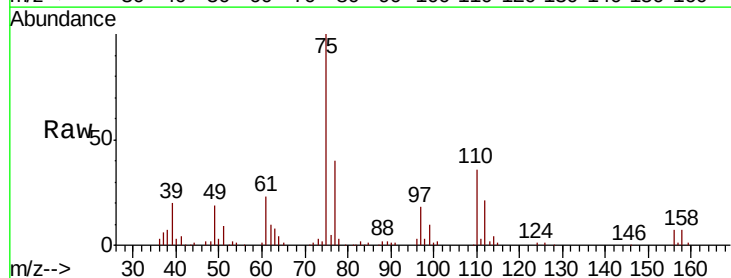
RT: 12.63 min Scan# 1787

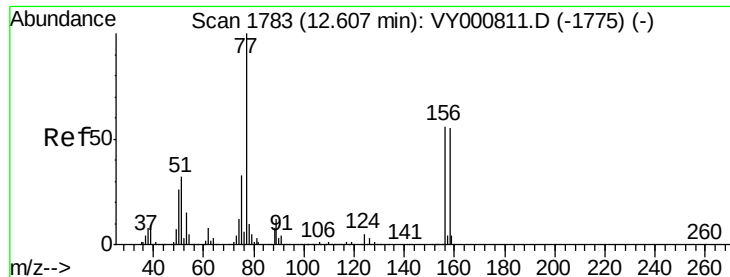
Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	75	Resp:	66034
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.716 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

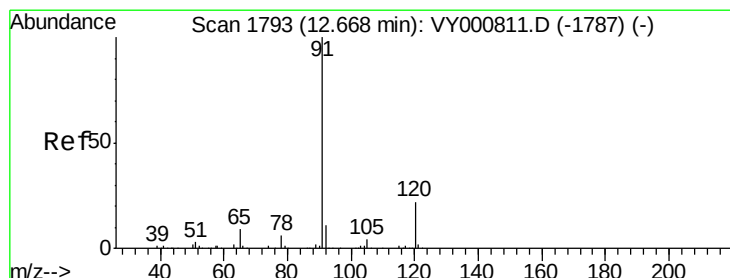
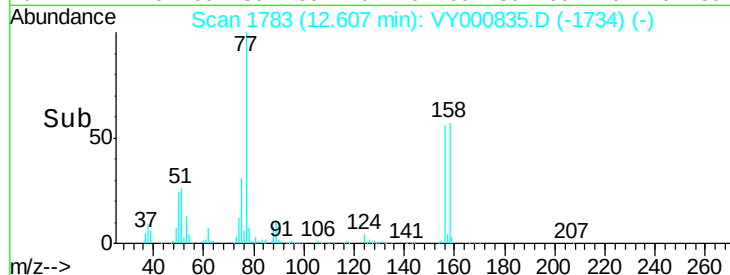
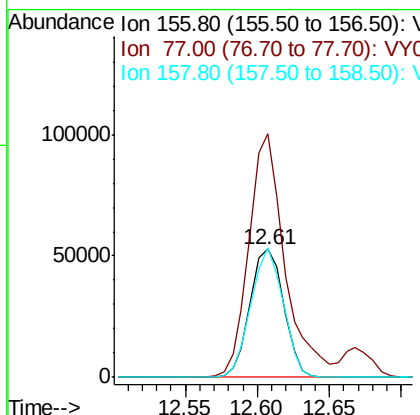
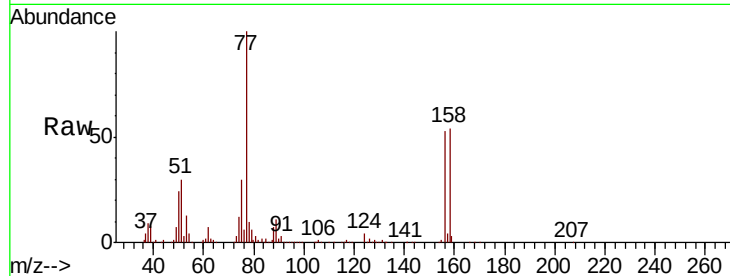
ClientSampleId :

VY1203SBS01

Tot Ion:	156	Resp:	85593
Ion Ratio	Lower	Upper	
156	100		
77	202.1	102.6	307.7
158	97.0	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.525 ug/l

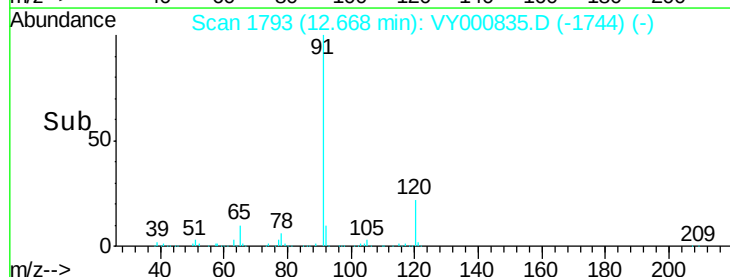
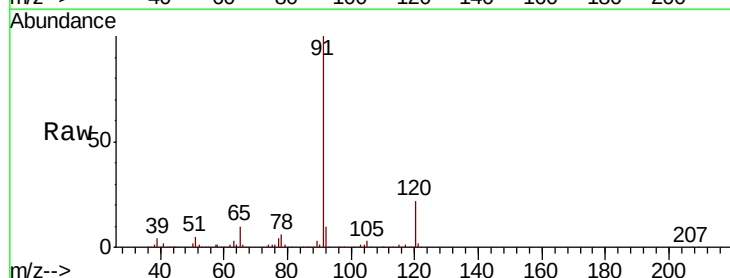
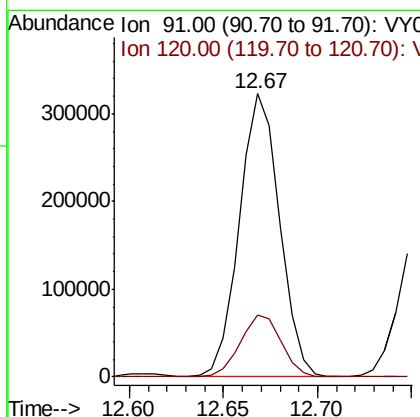
RT: 12.67 min Scan# 1793

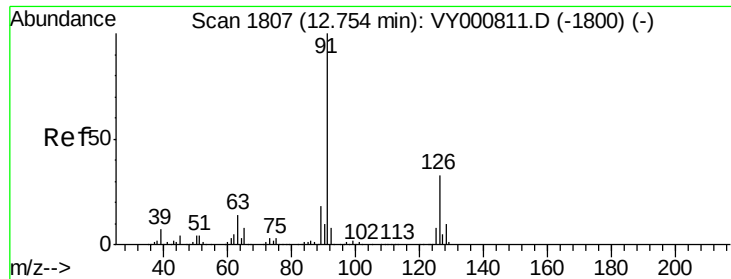
Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	91	Resp:	477469
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





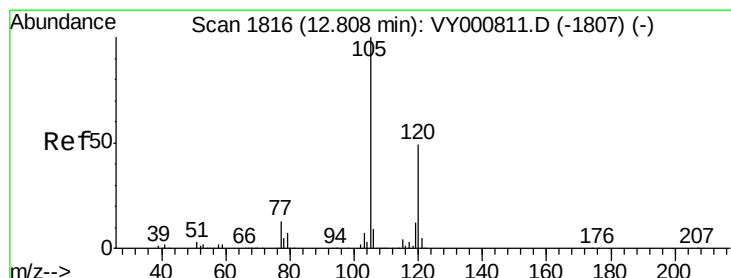
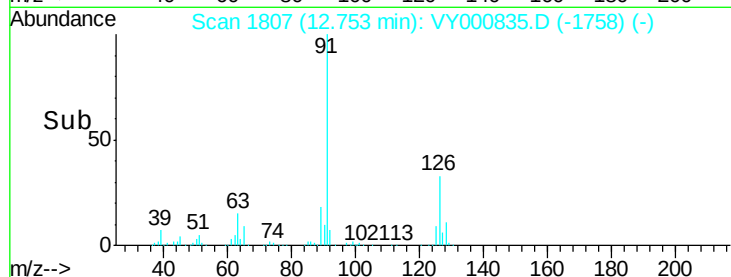
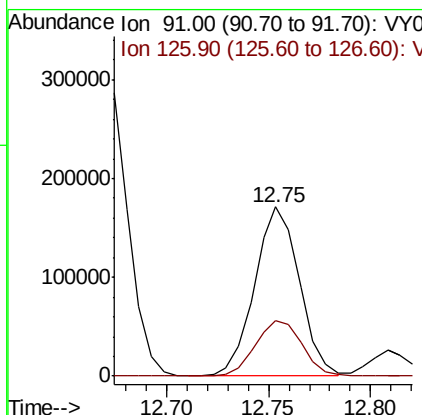
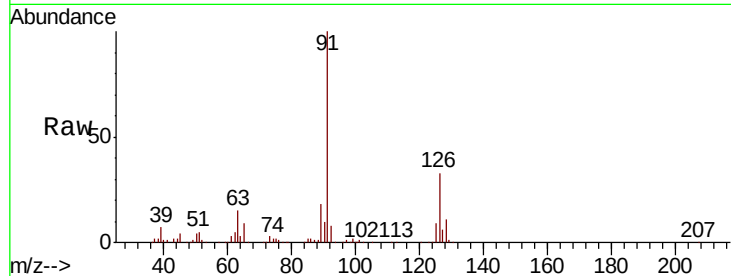
#79
 2-Chlorotoluene
 Concen: 19.346 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

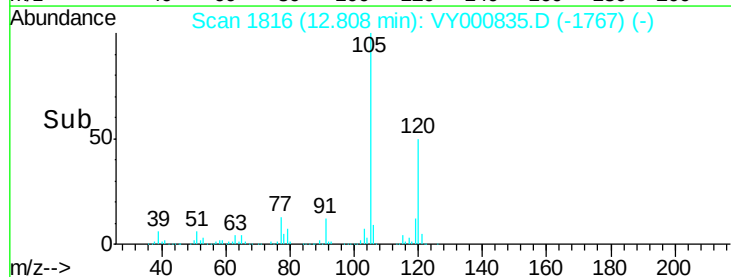
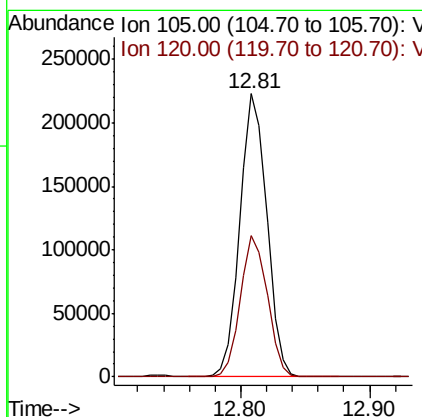
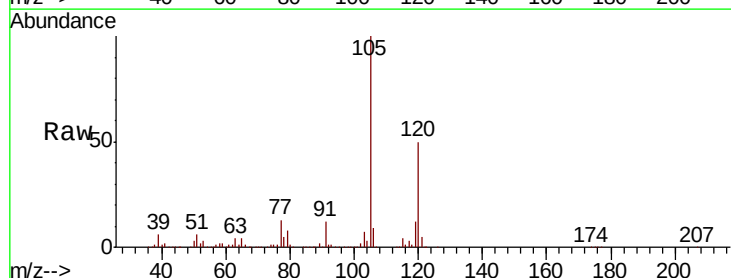
Manual Integrations
 APPROVED

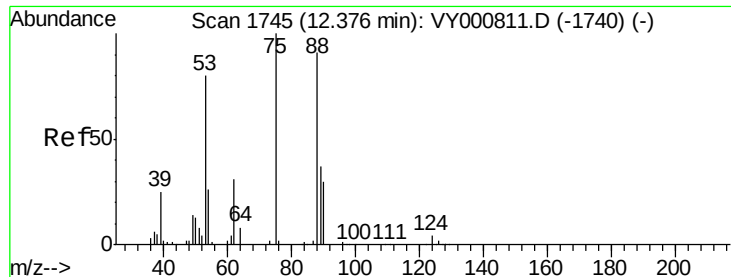
MMDadoda
 12/4/2019 2:06:21 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.441 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.6	74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.159 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

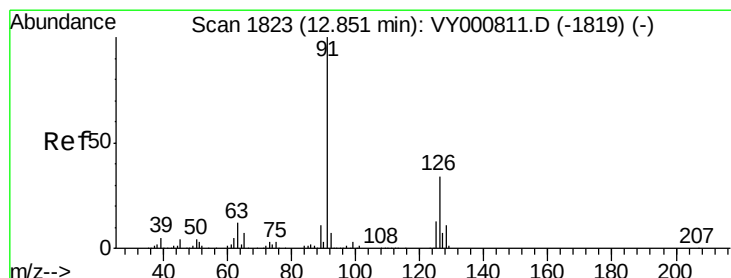
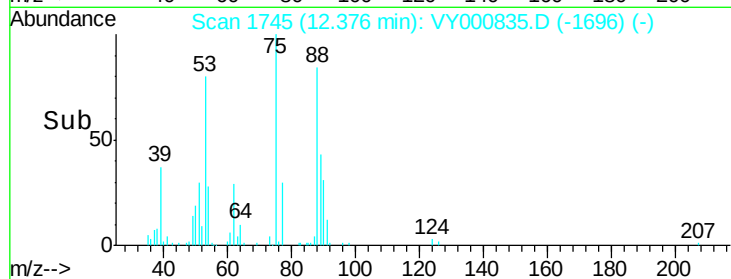
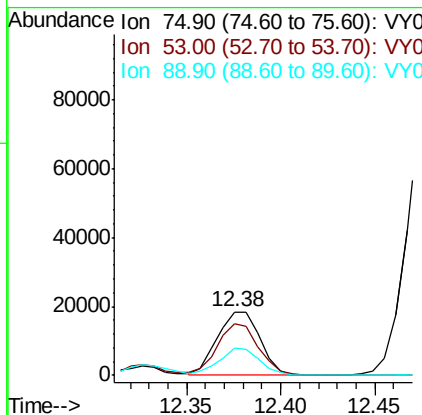
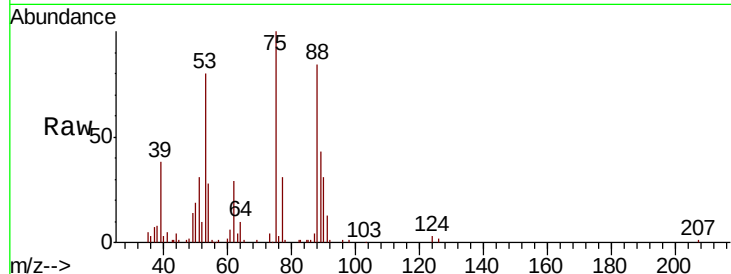
ClientSampleId :

VY1203SBS01

Tot Ion:	75	Resp:	29248
Ion Ratio	Lower	Upper	
75	100		
53	78.6	64.6	96.8
89	40.4	33.6	50.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.792 ug/l

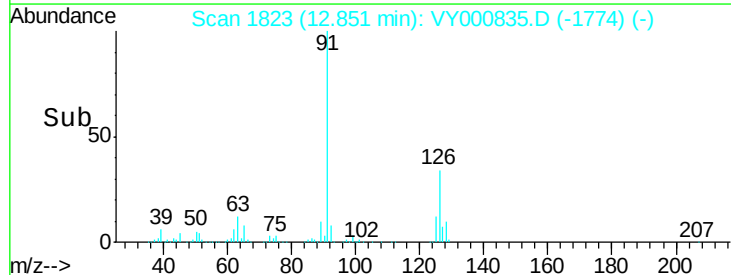
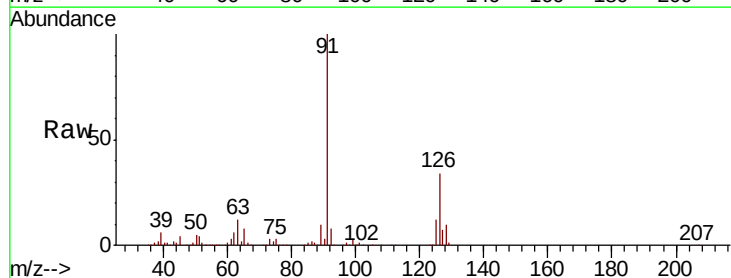
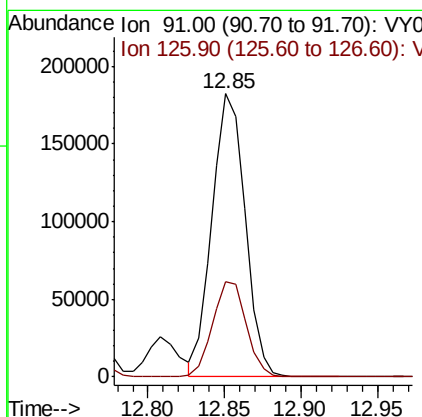
RT: 12.85 min Scan# 1823

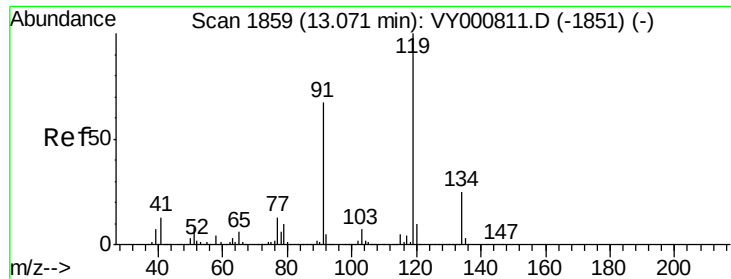
Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Tgt Ion:	91	Resp:	275483
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.3	51.9





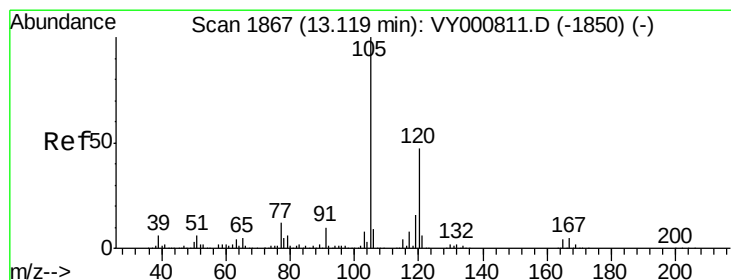
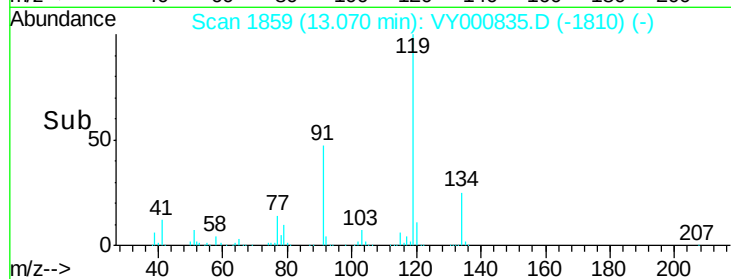
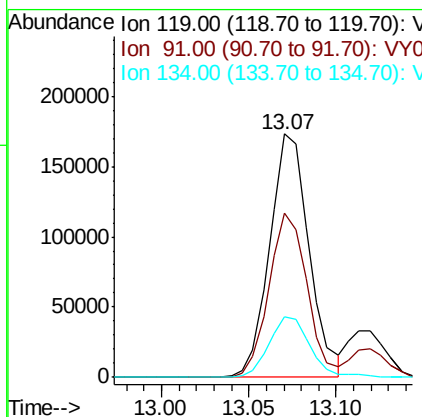
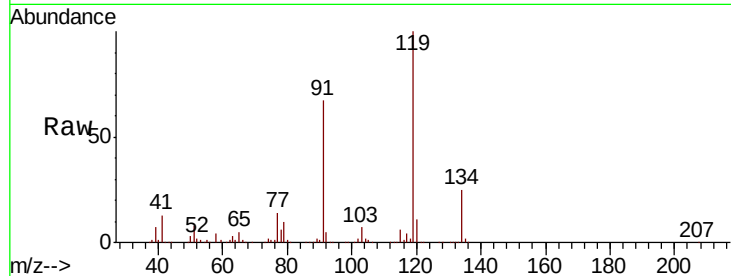
#83
 tert-Butylbenzene
 Concen: 19.516 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272093		
91	65.6	32.3	96.8	
134	26.0	12.9	38.7	

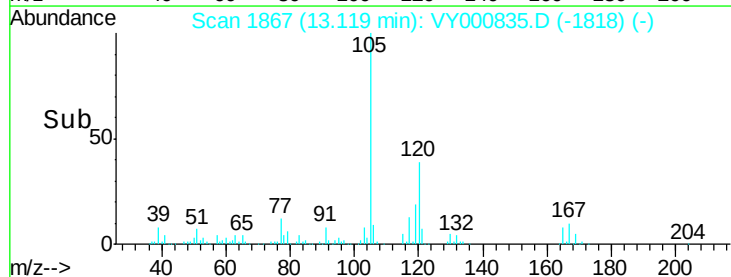
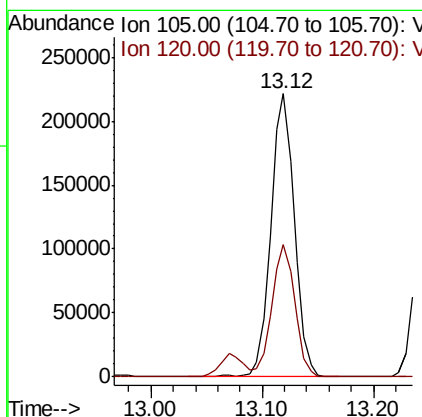
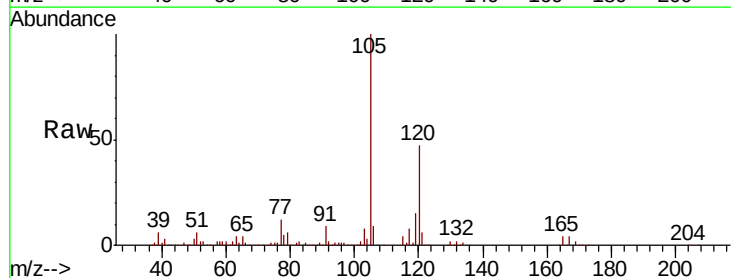
Manual Integrations
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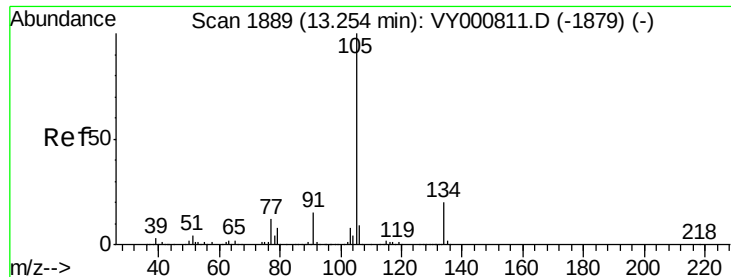
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.613 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325385		
120	46.0	22.6	67.8	





#85

sec-Butylbenzene

Concen: 19.694 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY1203SBS01

Tot Ion:105 Resp: 399310

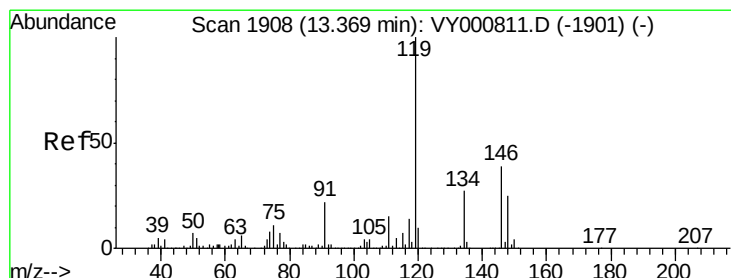
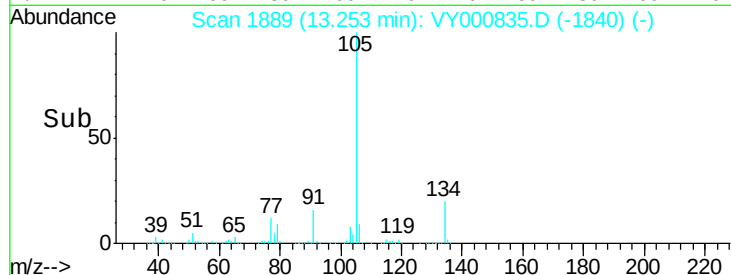
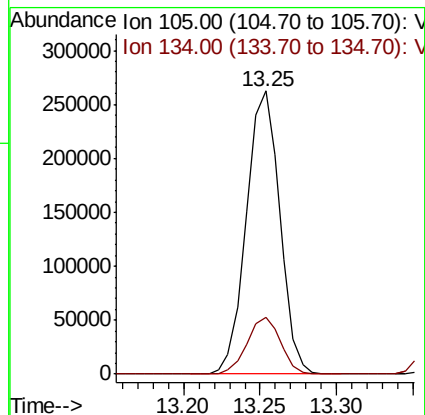
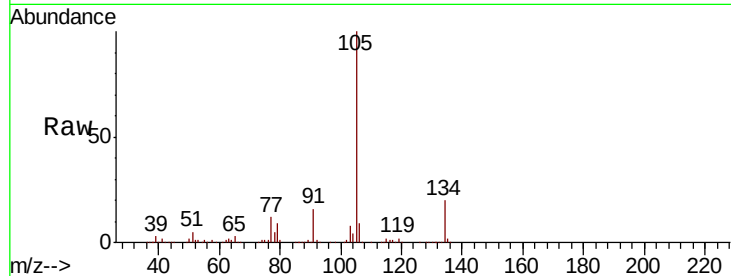
Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.832 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000835.D

Acq: 03 Dec 2019 11:58

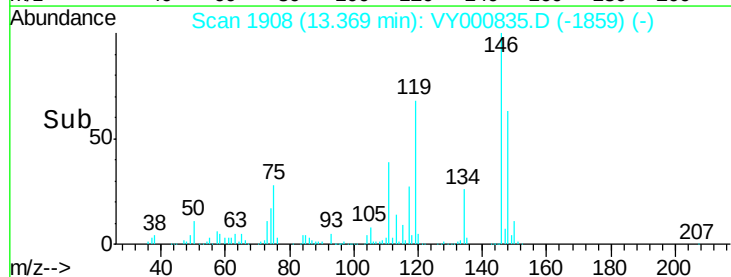
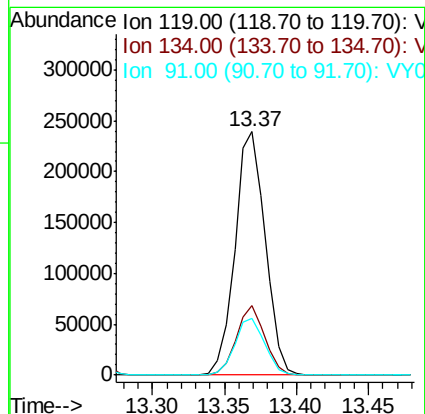
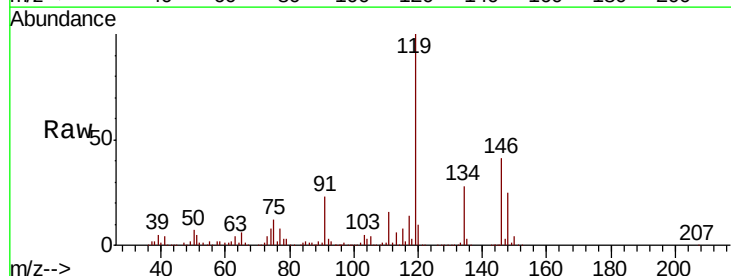
Tgt Ion:119 Resp: 349755

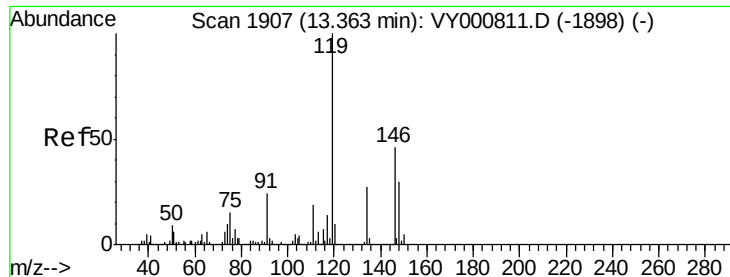
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 23.4 11.5 34.5





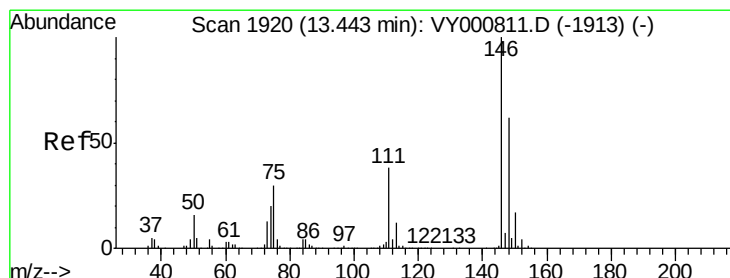
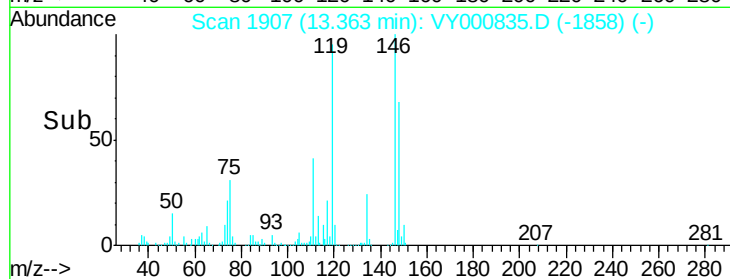
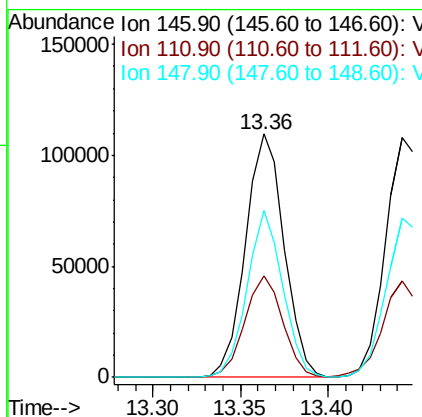
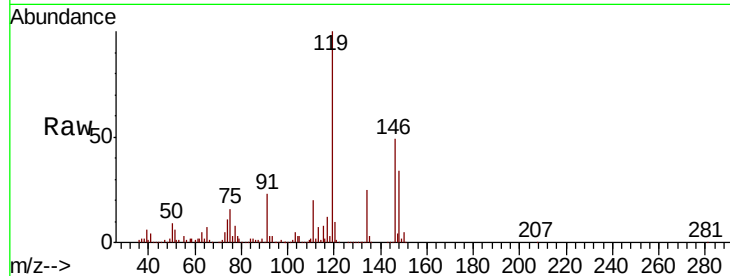
#87
 1,3-Dichlorobenzene
 Concen: 19.732 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.6	32.1	96.5

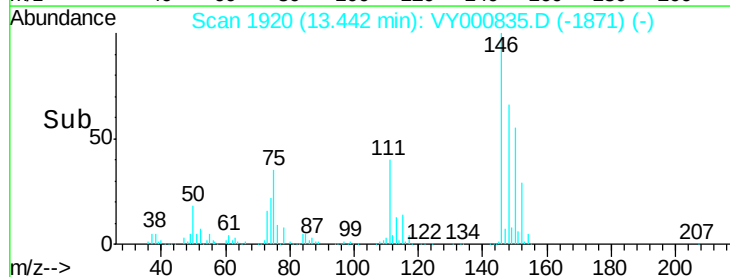
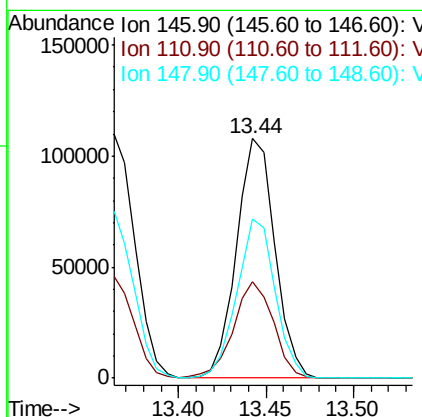
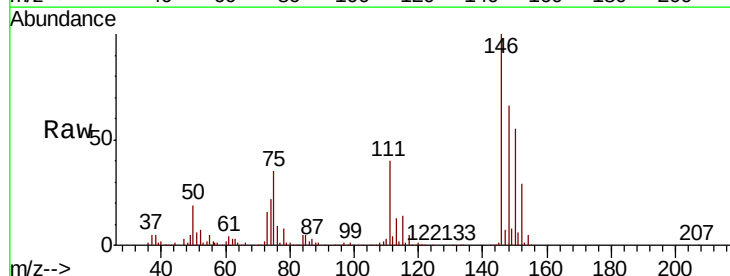
Manual Integrations
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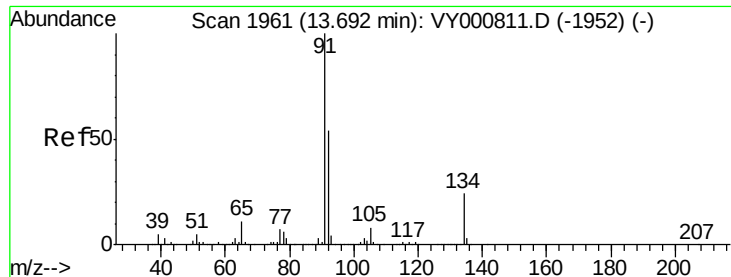
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#88
 1,4-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	59.9
148	66.0	31.7	95.1





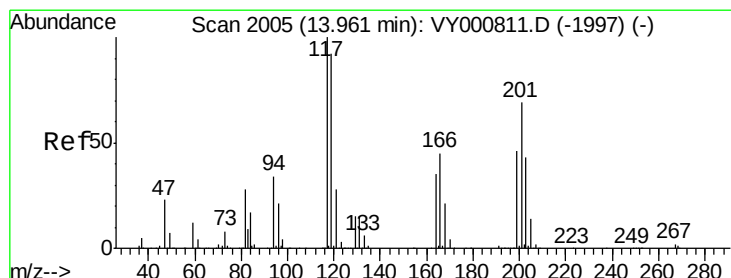
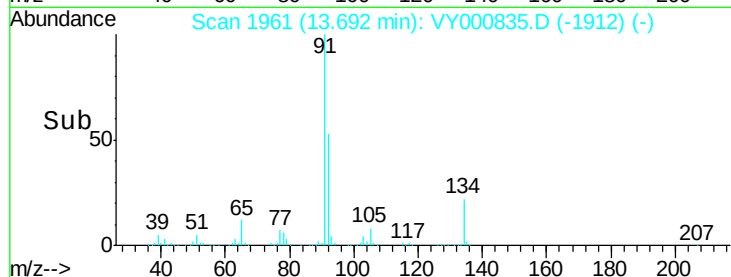
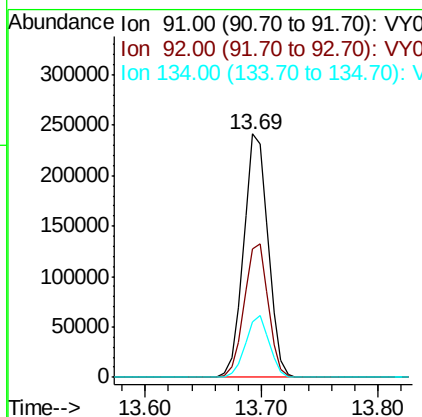
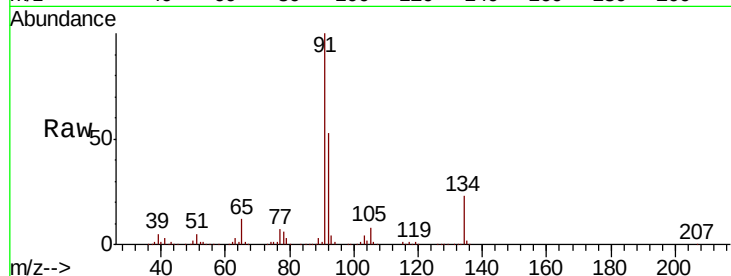
#89
n-Butylbenzene
Concen: 19.817 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	26.9	80.7	
134	24.4	12.6	37.6	

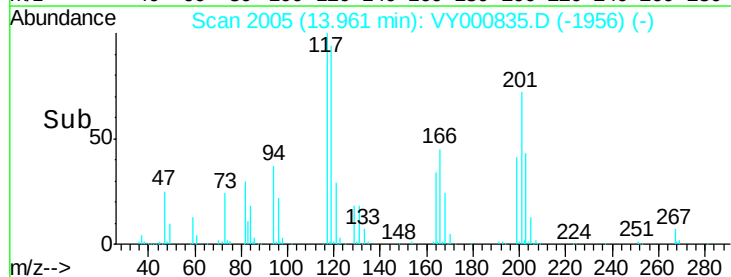
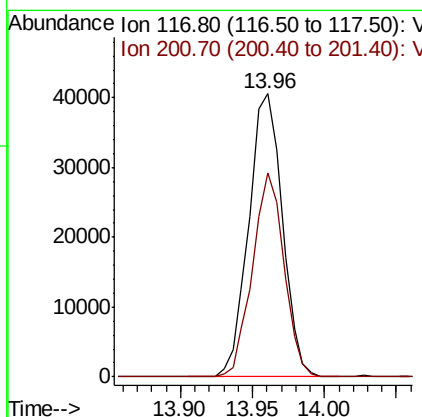
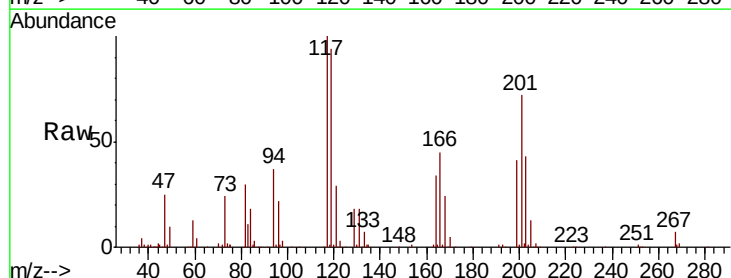
Manual Integrations
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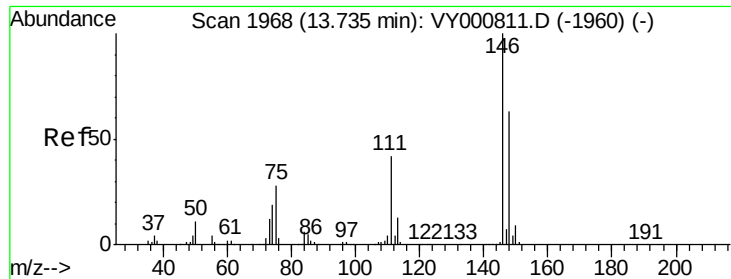
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#90
Hexachloroethane
Concen: 20.163 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.4	34.0	102.0	





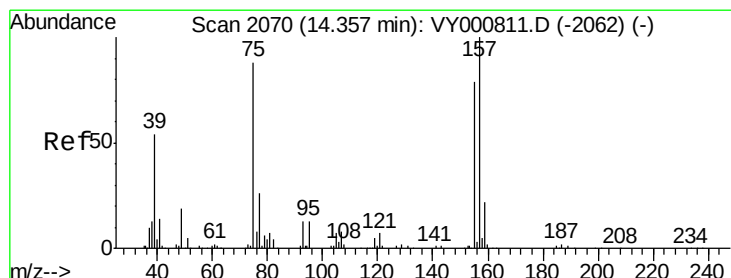
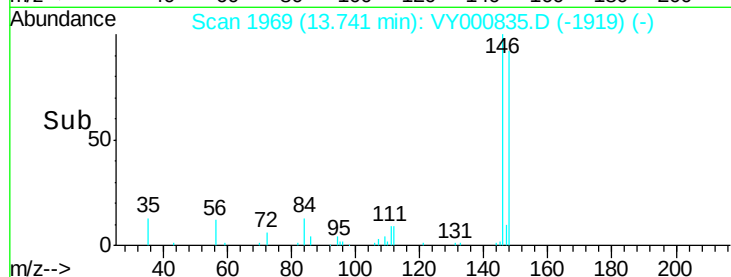
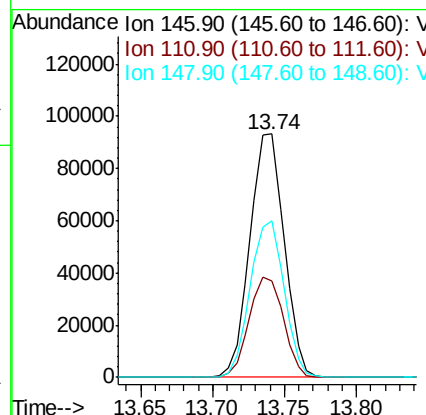
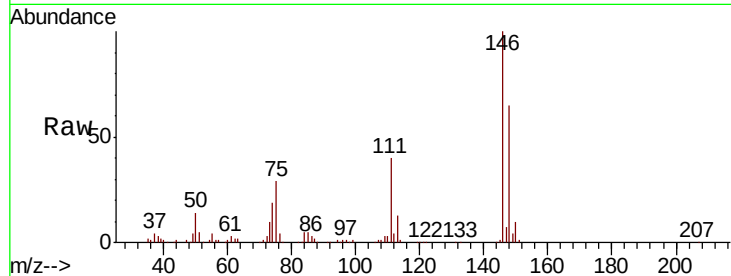
#91
 1,2-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	63.5	32.1	96.3

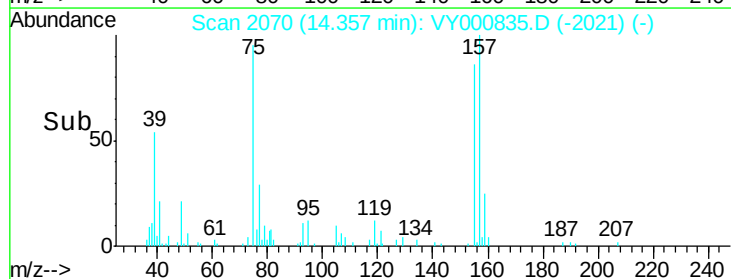
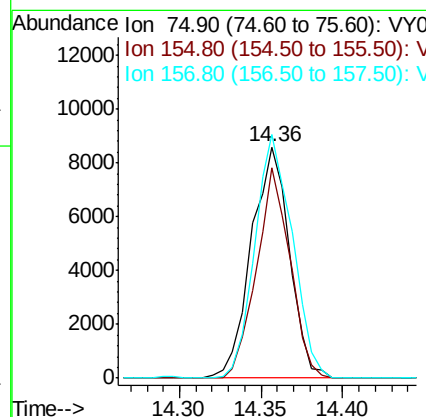
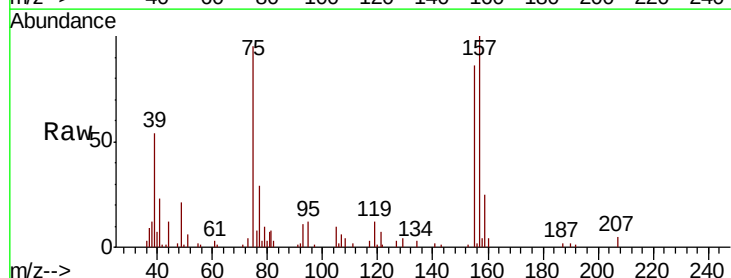
Manual Integrations
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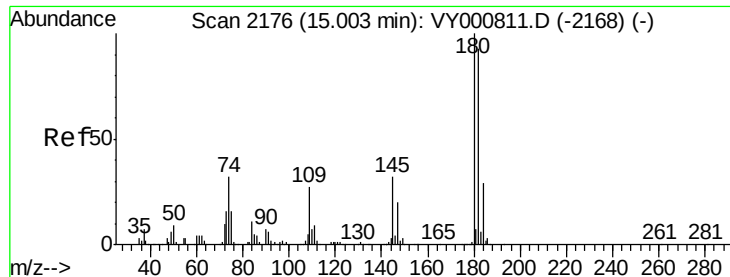
MMDadoda
 12/4/2019 2:06:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.139 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	44.3	132.9
157	103.4	56.3	168.9





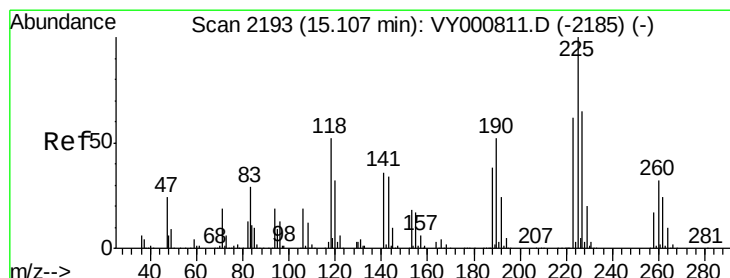
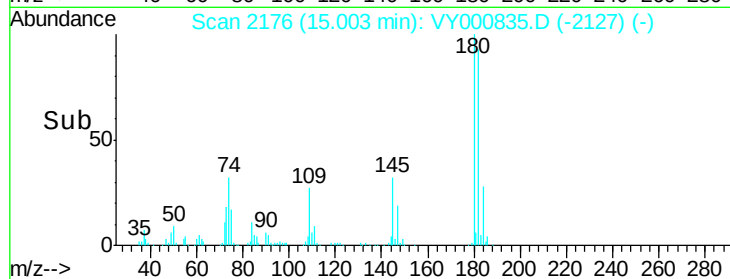
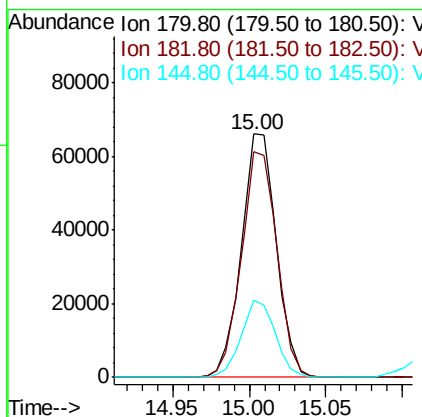
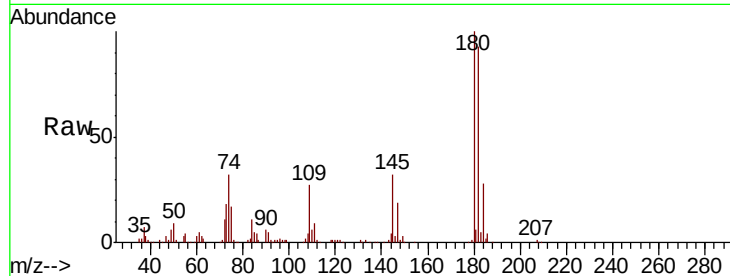
#93
 1,2,4-Trichlorobenzene
 Concen: 20.247 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1203SBS01

Tot Ion:	180	Resp:	104951
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	141.9
145	30.9	16.0	47.9

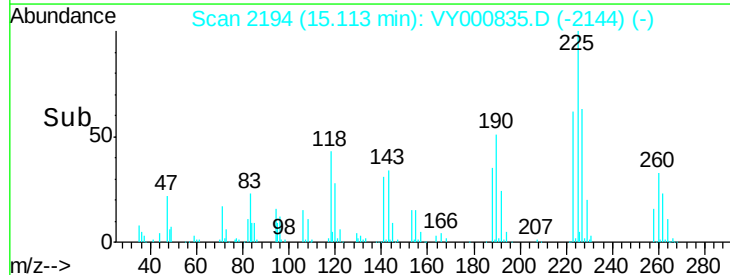
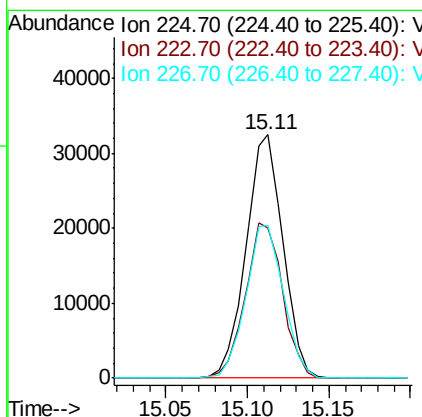
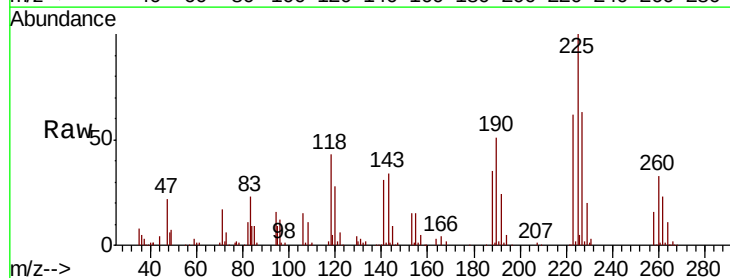
Manual Integrations
 APPROVED

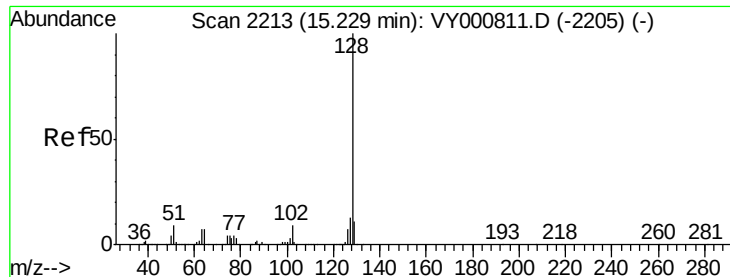
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.950 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000835.D
 Acq: 03 Dec 2019 11:58

Tgt Ion:	225	Resp:	51272
Ion Ratio	Lower	Upper	
225	100		
223	64.2	31.4	94.3
227	64.0	31.8	95.3





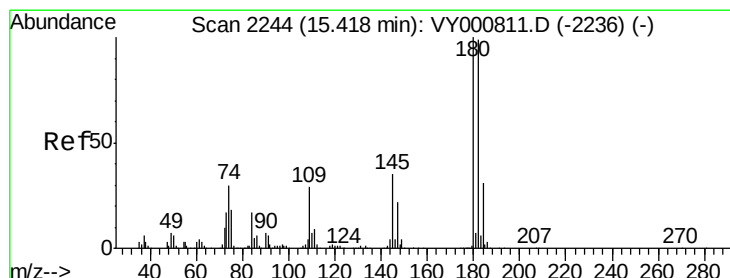
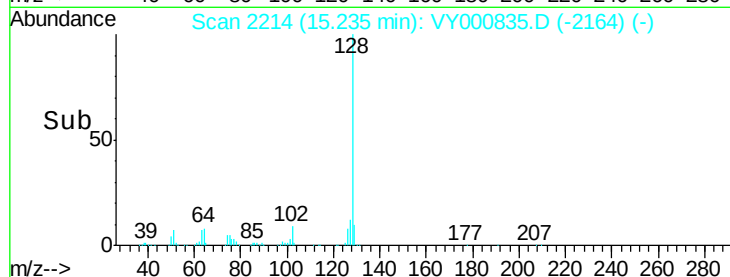
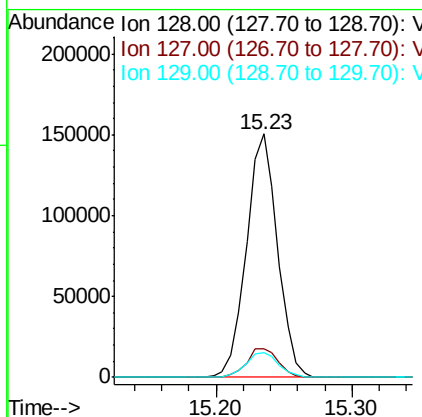
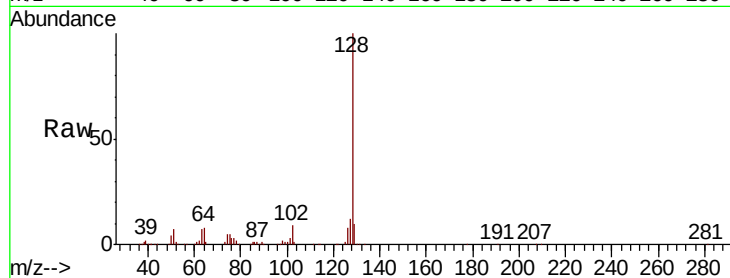
#95
Naphthalene
Concen: 20.000 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240719		
127	12.1		10.1	15.1
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/4/2019 2:06:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.973 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000835.D
Acq: 03 Dec 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92479		
182	96.3		48.0	144.0
145	33.2		16.9	50.6

