

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001490.D
 Acq On : 04 Feb 2020 16:37
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:59 PM

Quant Time: Feb 04 17:34:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	248447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	424906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	379199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	179186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	130094	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.74	113	123798	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.18	98	489127	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.48	95	181727	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47279	19.441	ug/l	99
3) Chloromethane	2.12	50	49865	19.618	ug/l	96
4) Vinyl Chloride	2.26	62	51578	19.542	ug/l	96
5) Bromomethane	2.65	94	32352	19.491	ug/l	100
6) Chloroethane	2.80	64	30945	19.451	ug/l	95
7) Trichlorofluoromethane	3.14	101	84764	19.402	ug/l	99
8) Diethyl Ether	3.55	74	29331	19.896	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	52075	19.811	ug/l	99
10) Methyl Iodide	4.11	142	62489	18.657	ug/l	98
11) Tert butyl alcohol	4.99	59	41801	132.738	ug/l	95
12) 1,1-Dichloroethene	3.90	96	50662	19.395	ug/l	96
13) Acrolein	3.75	56	25946	109.540	ug/l	100
14) Allyl chloride	4.51	41	78875	19.739	ug/l	99
15) Acrylonitrile	5.19	53	72103	106.686	ug/l	99
16) Acetone	3.97	43	72476	100.162	ug/l	97
17) Carbon Disulfide	4.22	76	161709	19.447	ug/l	97
18) Methyl Acetate	4.51	43	34807	22.542	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	143342	20.635	ug/l	99
20) Methylene Chloride	4.75	84	62812	19.264	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	57052	19.647	ug/l	98
22) Diisopropyl ether	6.14	45	159666	20.168	ug/l	97
23) Vinyl Acetate	6.09	43	524706	104.114	ug/l	100
24) 1,1-Dichloroethane	6.04	63	94008	19.742	ug/l	98
25) 2-Butanone	7.01	43	101136	107.736	ug/l	100
26) 2,2-Dichloropropane	7.00	77	89513	19.641	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	63024	19.871	ug/l	99
28) Bromochloromethane	7.35	49	30665	18.903	ug/l	100
29) Tetrahydrofuran	7.36	42	63167	112.266	ug/l	99
30) Chloroform	7.53	83	95657	19.832	ug/l	97
31) Cyclohexane	7.80	56	94399	19.380	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	86035	19.673	ug/l	99
36) 1,1-Dichloropropene	7.93	75	77527	19.945	ug/l	99
37) Ethyl Acetate	7.10	43	41962	22.300	ug/l	99
38) Carbon Tetrachloride	7.91	117	76302	20.289	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	103441	20.210	ug/l	98
40) Benzene	8.18	78	221715	19.997	ug/l	99
41) Methacrylonitrile	7.34	41	20963m	24.037	ug/l	
42) 1,2-Dichloroethane	8.25	62	64157	20.770	ug/l	99
43) Isopropyl Acetate	8.28	43	80446	21.592	ug/l	99
44) Trichloroethene	8.94	130	60924	20.386	ug/l	96
45) 1,2-Dichloropropane	9.22	63	54818	20.475	ug/l	96
46) Dibromomethane	9.32	93	30710	20.427	ug/l	98
47) Bromodichloromethane	9.50	83	74432	20.320	ug/l	99
48) Methyl methacrylate	9.30	41	36098	21.347	ug/l	100
49) 1,4-Dioxane	9.31	88	8505	428.372	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	207568	113.128	ug/l	99
52) Toluene	10.25	92	143412	20.386	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82192	20.601	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	94056	20.535	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	45970	21.312	ug/l	96
56) Ethyl methacrylate	10.51	69	66601	21.709	ug/l	99
57) 1,3-Dichloropropane	10.79	76	79204	20.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	114068	101.070	ug/l	99
59) 2-Hexanone	10.83	43	149532	112.087	ug/l	99
60) Dibromochloromethane	10.99	129	52868	20.794	ug/l	99
61) 1,2-Dibromoethane	11.09	107	44971	21.168	ug/l	100
64) Tetrachloroethene	10.72	164	50891	20.464	ug/l	98
65) Chlorobenzene	11.52	112	151044	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	53459	20.515	ug/l	99
67) Ethyl Benzene	11.60	91	279401	20.296	ug/l	99
68) m/p-Xylenes	11.70	106	211525	40.930	ug/l	99
69) o-Xylene	12.03	106	98944	20.306	ug/l	97
70) Styrene	12.05	104	170901	20.281	ug/l	99
71) Bromoform	12.21	173	30627	21.107	ug/l #	97
73) Isopropylbenzene	12.33	105	269140	19.694	ug/l	100
74) N-amyl acetate	12.14	43	75952	21.388	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	56593	21.796	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	42404m	22.006	ug/l	
77) Bromobenzene	12.61	156	60102	20.322	ug/l	97
78) n-propylbenzene	12.67	91	326286	19.943	ug/l	100
79) 2-Chlorotoluene	12.76	91	186912	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	229997	19.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20652	20.738	ug/l	98
82) 4-Chlorotoluene	12.86	91	195307	19.975	ug/l	100
83) tert-Butylbenzene	13.08	119	196141	20.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	225776	19.820	ug/l	99
85) sec-Butylbenzene	13.25	105	273677	20.009	ug/l	99
86) p-Isopropyltoluene	13.37	119	244298	20.268	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	116339	20.526	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	115762	20.387	ug/l	98
89) n-Butylbenzene	13.70	91	240662	20.236	ug/l	100
90) Hexachloroethane	13.96	117	46273	20.002	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	106196	20.675	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10413	21.724	ug/l	98

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ClientSampleId :
VY0204SBSD01

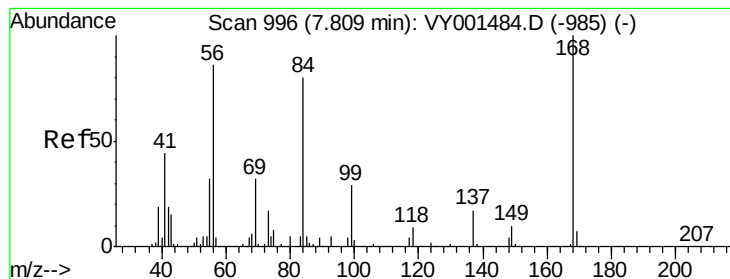
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71408	20.630	ug/l	99
94) Hexachlorobutadiene	15.11	225	35575	20.251	ug/l	98
95) Naphthalene	15.24	128	173402	21.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	63846	20.896	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion:168 Resp: 248447

Ion Ratio Lower Upper

168 100

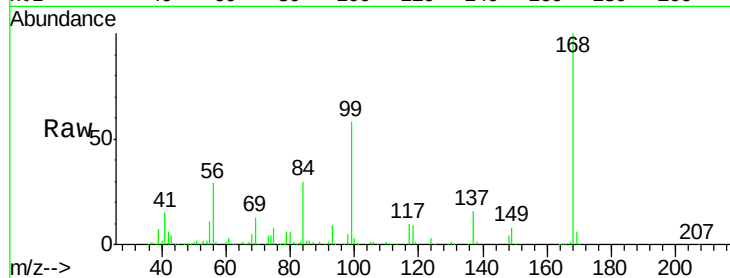
99 57.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

120000

100000

80000

60000

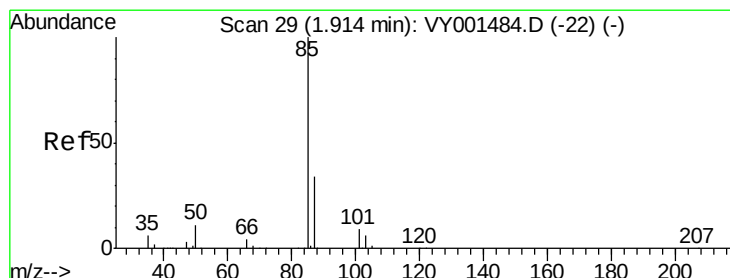
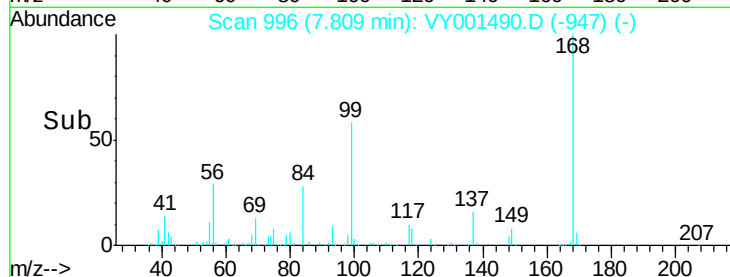
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.441 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001490.D

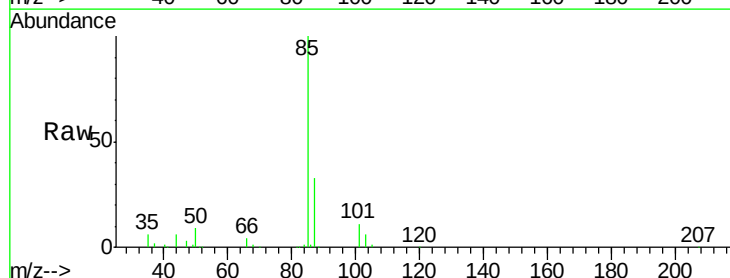
Acq: 04 Feb 2020 16:37

Tgt Ion: 85 Resp: 47279

Ion Ratio Lower Upper

85 100

87 33.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

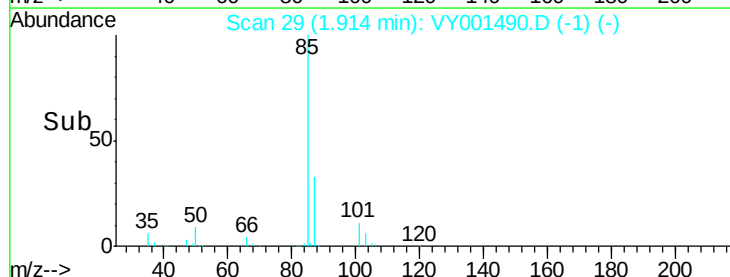
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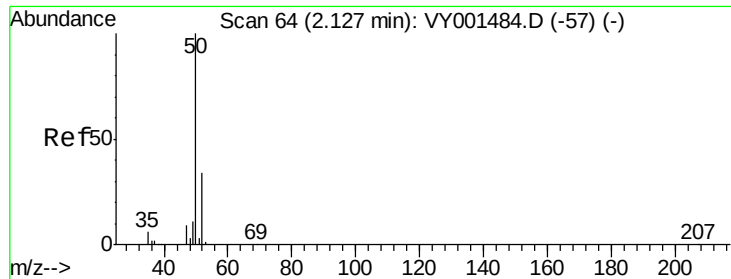
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.618 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 50 Resp: 49865

Ion Ratio Lower Upper

50 100

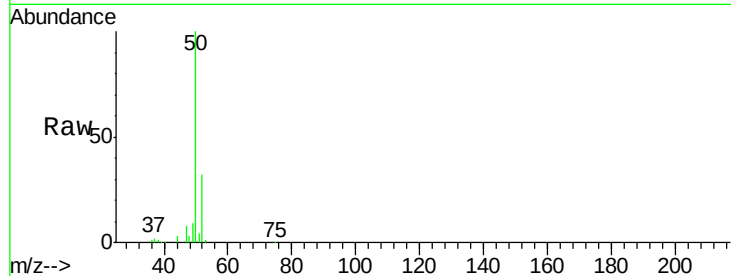
52 31.6 27.3 40.9

Manual Integrations

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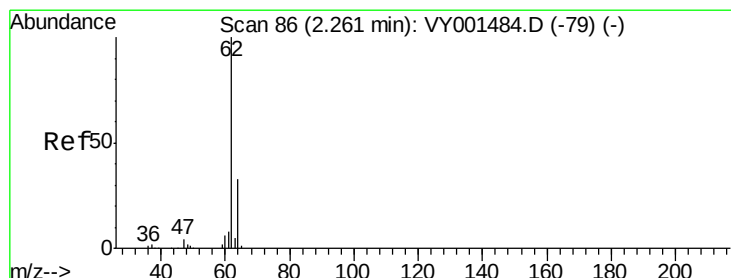
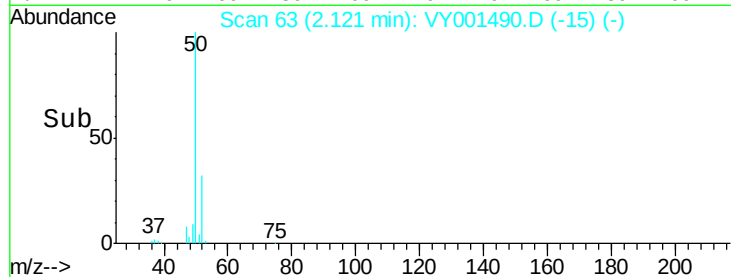
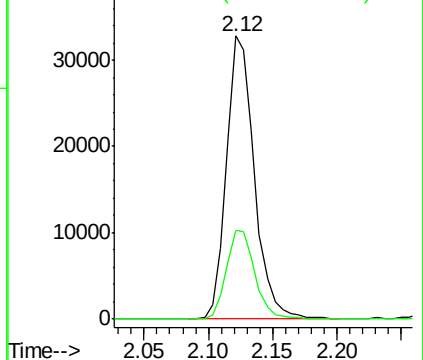
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.542 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001490.D

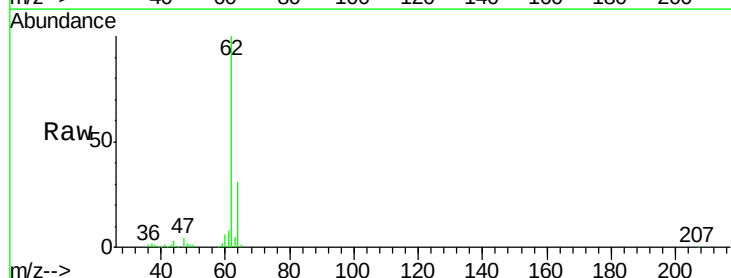
Acq: 04 Feb 2020 16:37

Tgt Ion: 62 Resp: 51578

Ion Ratio Lower Upper

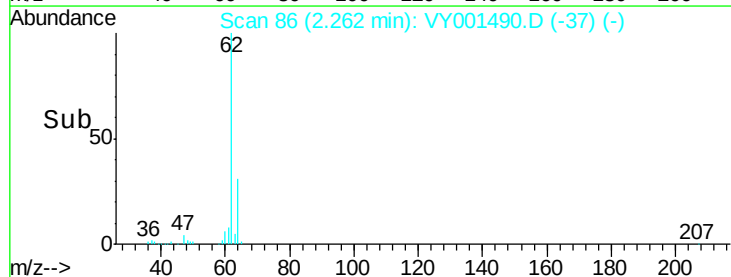
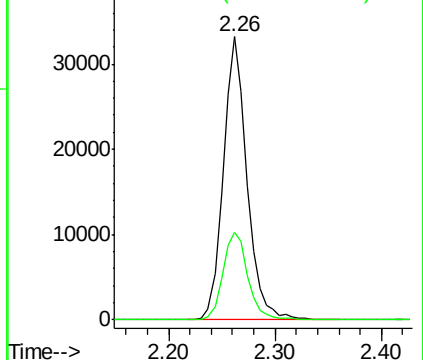
62 100

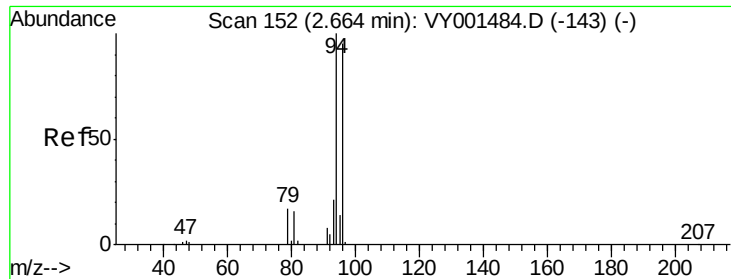
64 30.8 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.491 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 94 Resp: 32352

Ion Ratio Lower Upper

94 100

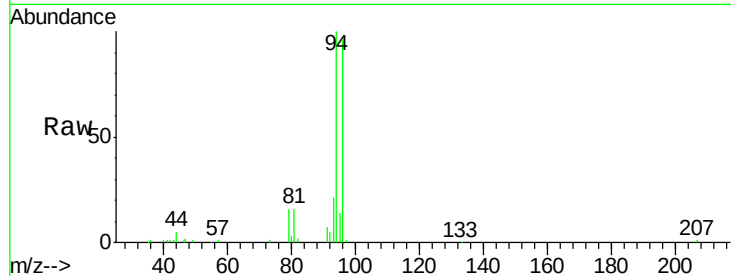
96 95.6 76.2 114.2

Manual Integrations

APPROVED

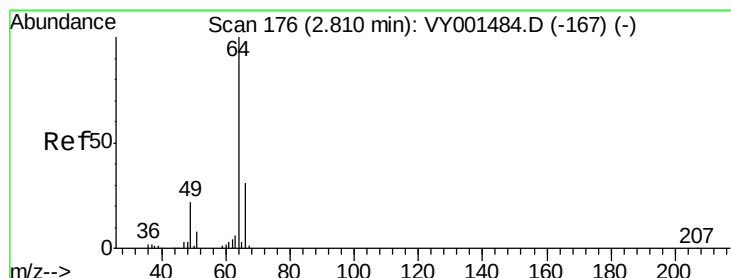
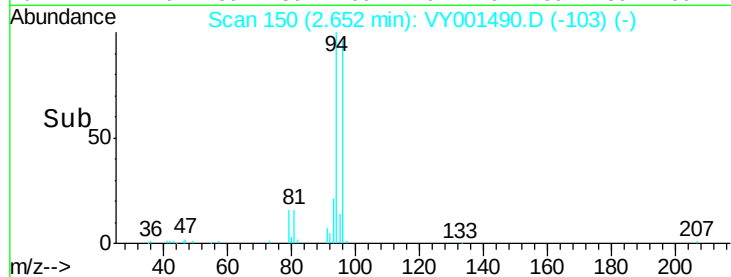
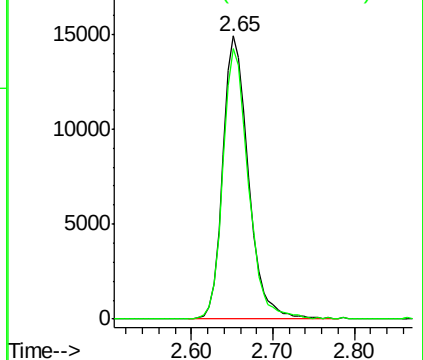
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.451 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001490.D

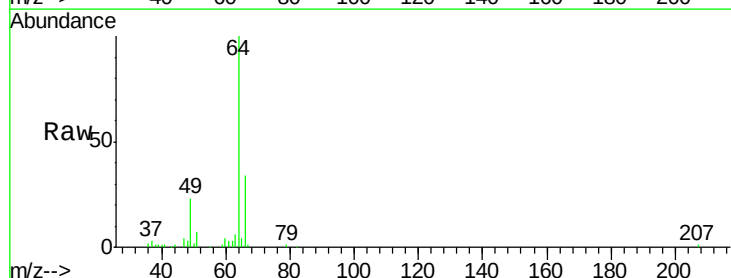
Acq: 04 Feb 2020 16:37

Tgt Ion: 64 Resp: 30945

Ion Ratio Lower Upper

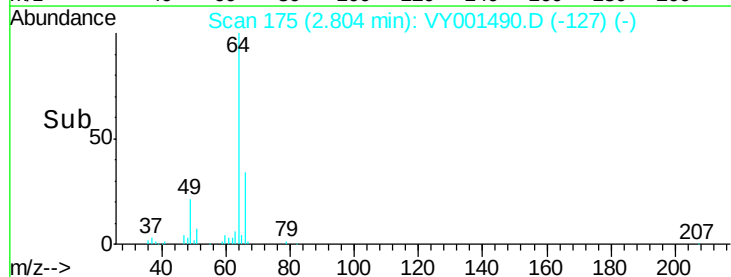
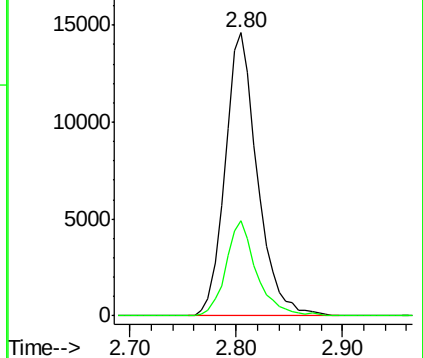
64 100

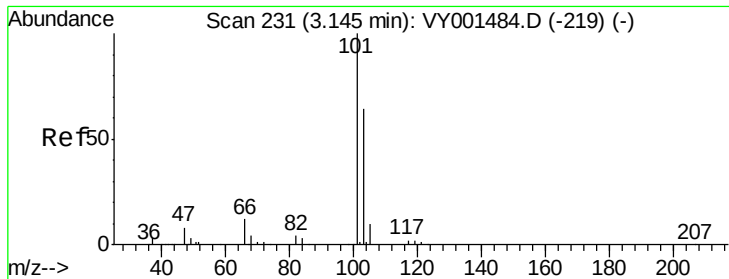
66 33.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

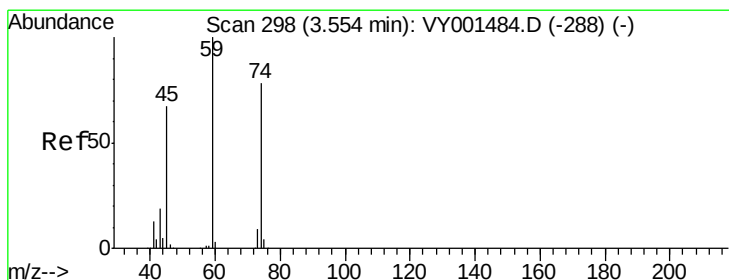
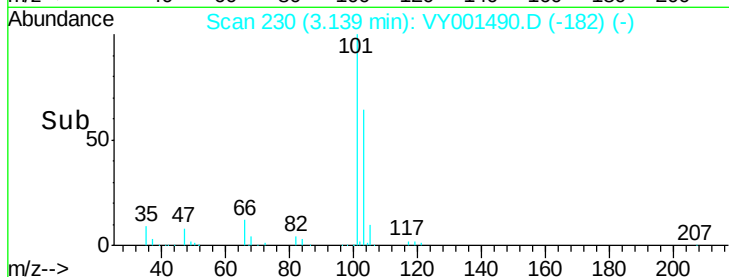
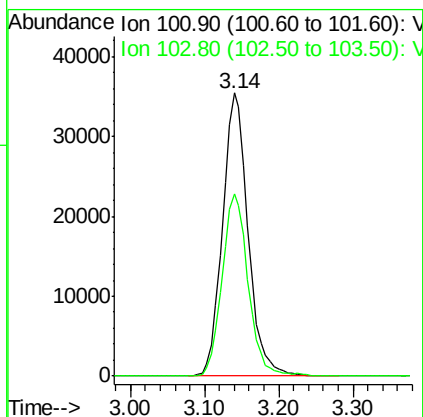
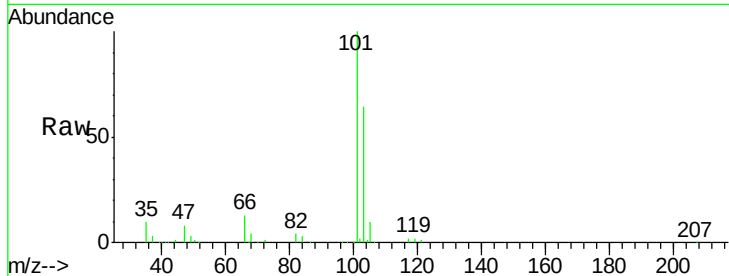
Trichlorofluoromethane
Concen: 19.402 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
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ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

Manual Integrations
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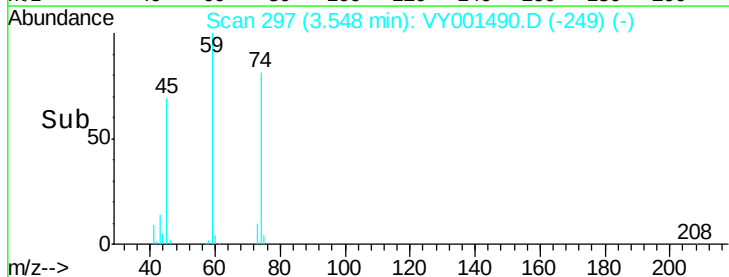
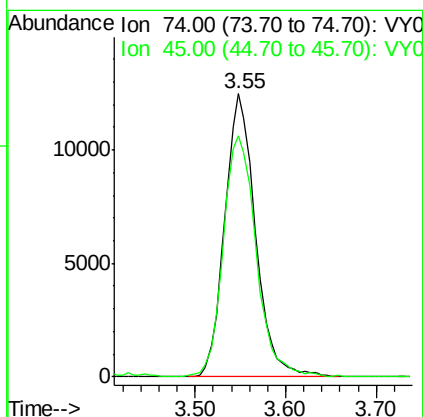
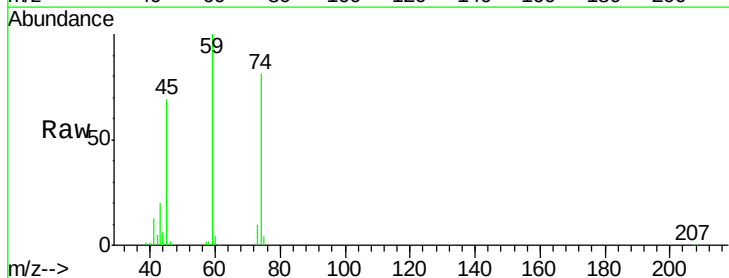
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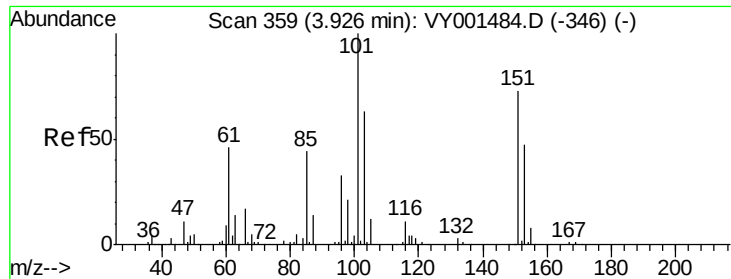


#8

Diethyl Ether
Concen: 19.896 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.811 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

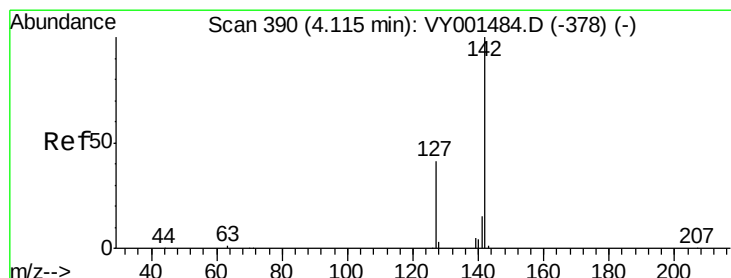
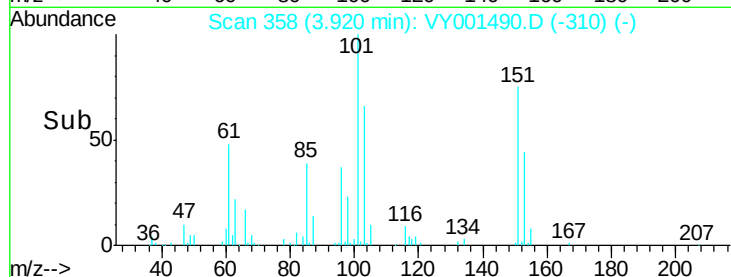
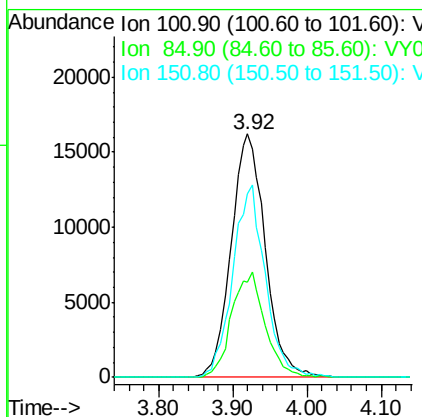
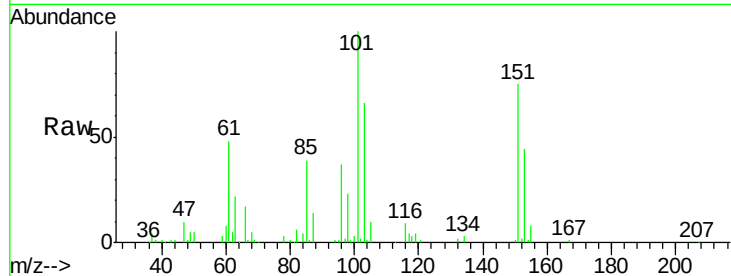
ClientSampleId :

VY0204SBS01

Tot Ion:	101	Resp:	52075
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.6	51.8
151	75.6	60.3	90.5

Manual Integrations
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2/5/2020 12:23:59 PM



#10

Methyl Iodide

Concen: 18.657 ug/l

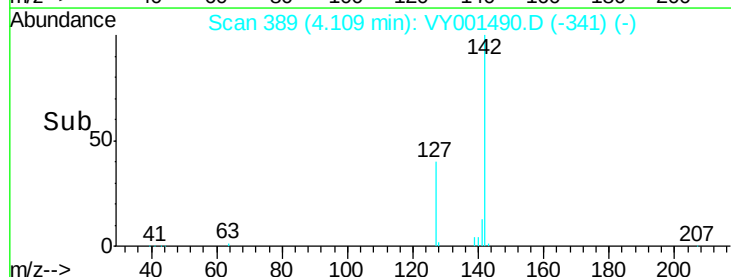
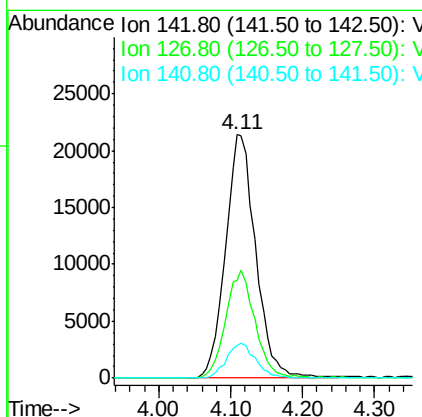
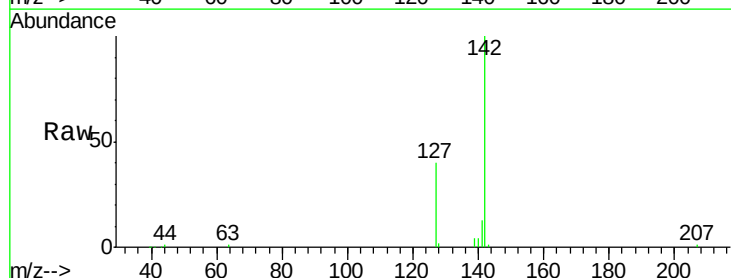
RT: 4.11 min Scan# 389

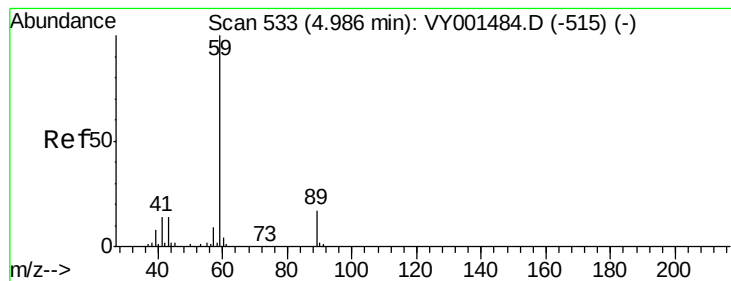
Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion:	142	Resp:	62489
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.3	49.9
141	13.9	11.5	17.3





#11

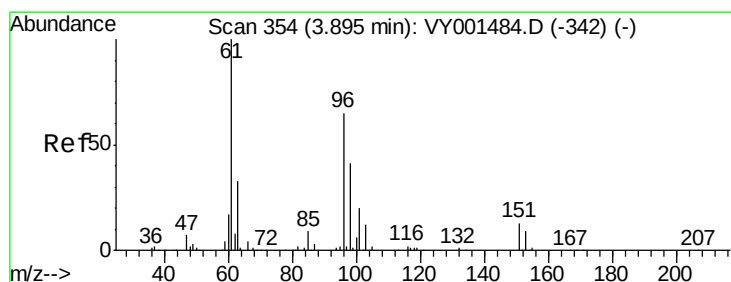
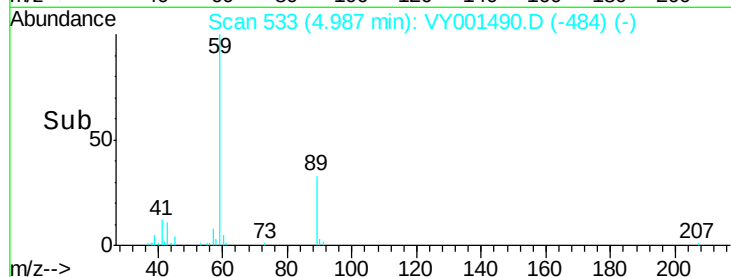
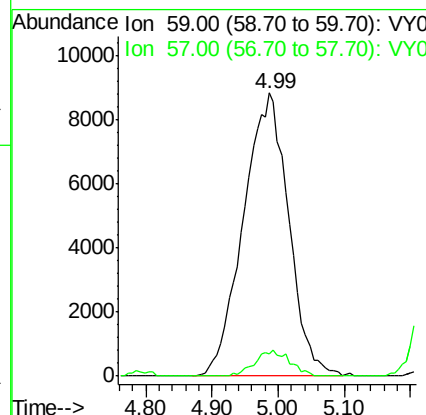
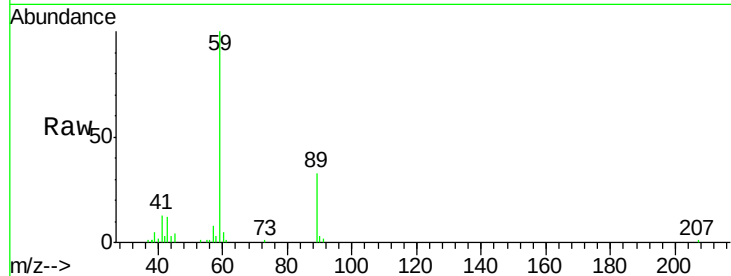
Tert butyl alcohol
 Concen: 132.738 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	59	Resp	41801
Ion Ratio	100	Lower	Upper
57	7.0	7.0	10.6

Manual Integrations
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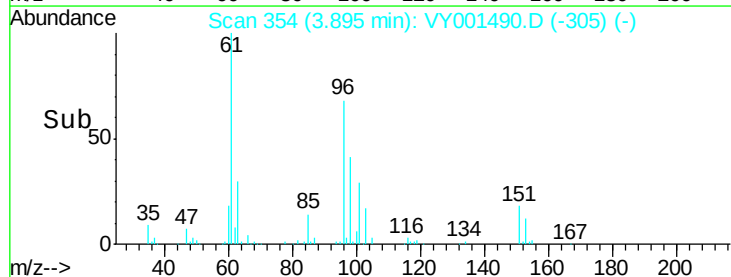
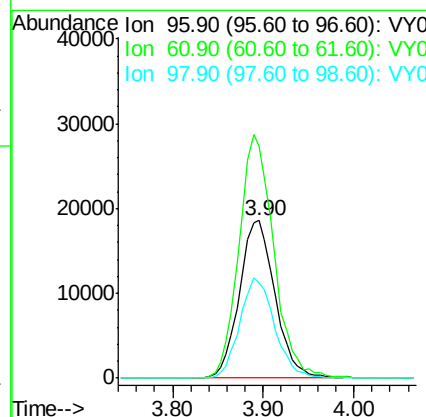
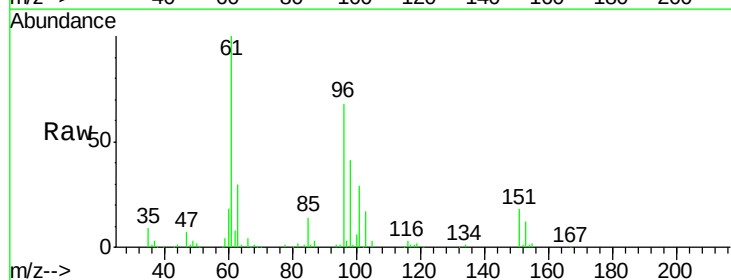
MMDadoda
 2/5/2020 12:23:59 PM

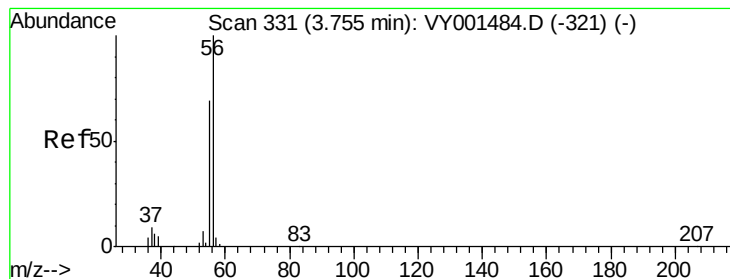


#12

1,1-Dichloroethene
 Concen: 19.395 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	96	Resp	50662
Ion Ratio	100	Lower	Upper
61	147.1	122.3	183.5
98	60.1	49.7	74.5





#13

Acrolein

Concen: 109.540 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 56 Resp: 25946

Ion Ratio Lower Upper

56 100

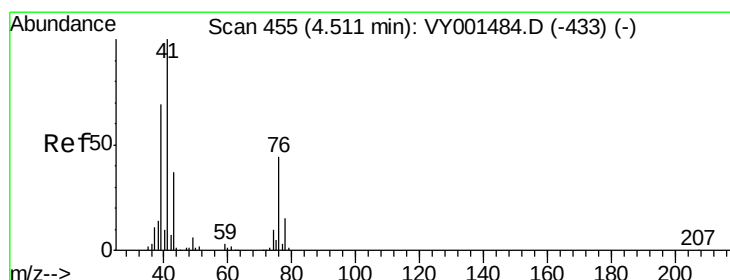
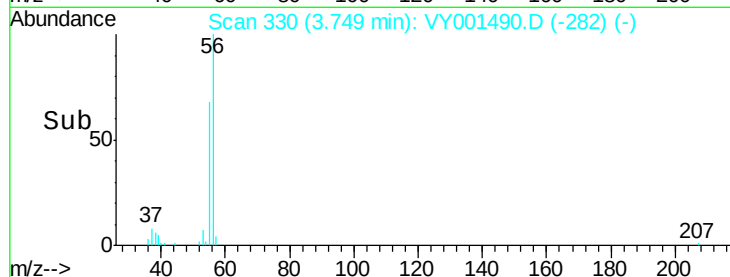
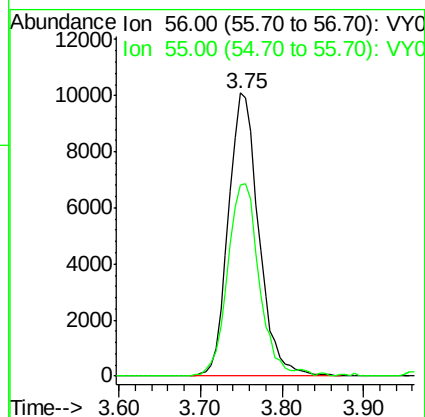
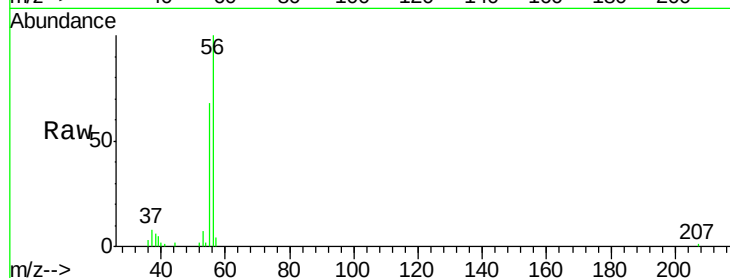
55 70.2 56.2 84.4

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.739 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

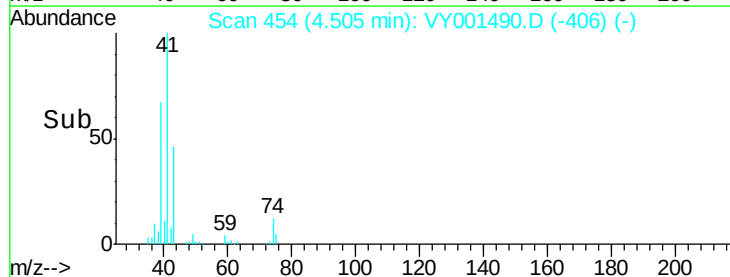
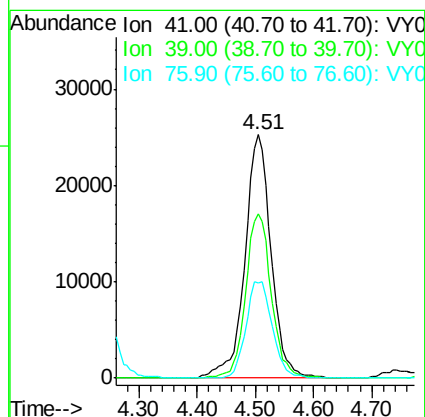
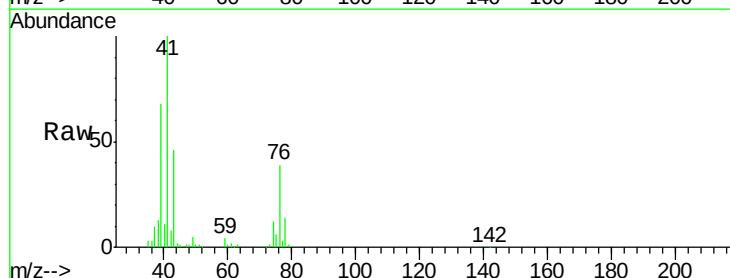
Tgt Ion: 41 Resp: 78875

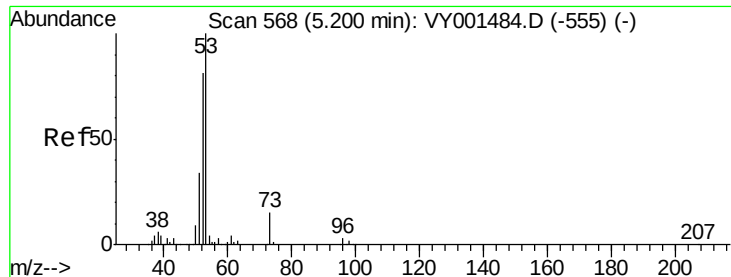
Ion Ratio Lower Upper

41 100

39 66.1 53.0 79.6

76 39.9 32.6 48.8





#15

Acrylonitrile

Concen: 106.686 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

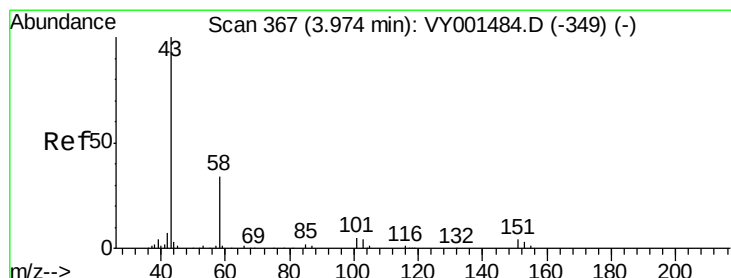
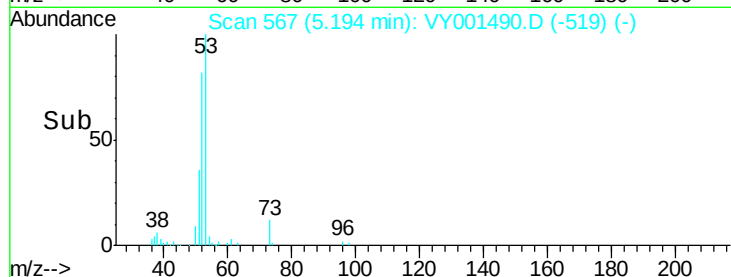
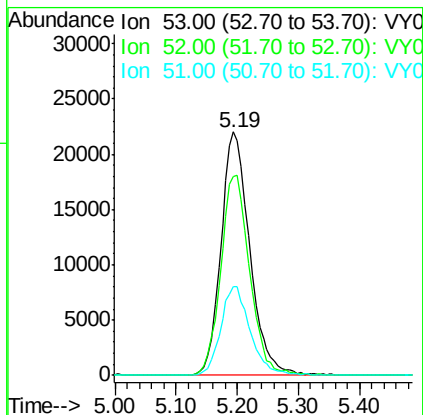
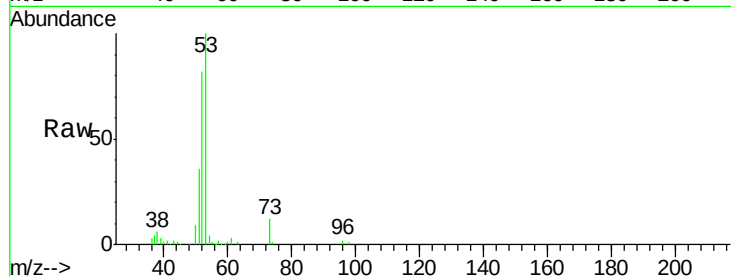
ClientSampleId :

VY0204SBS01

Tot Ion:	53	Resp:	72103
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	37.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 100.162 ug/l

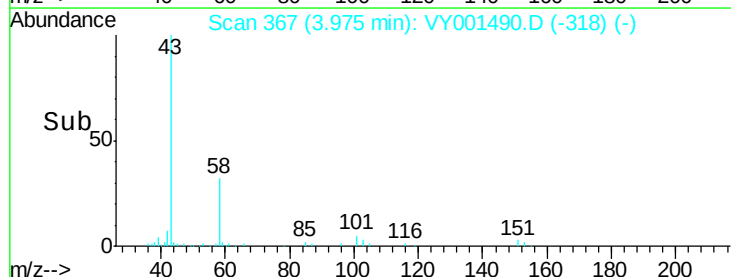
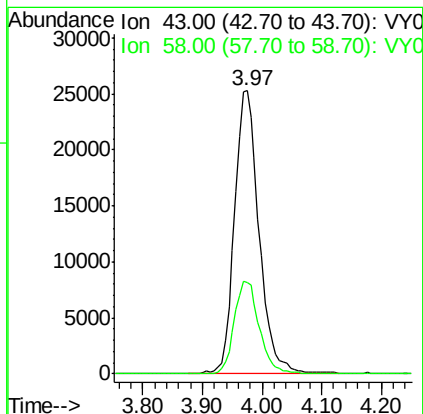
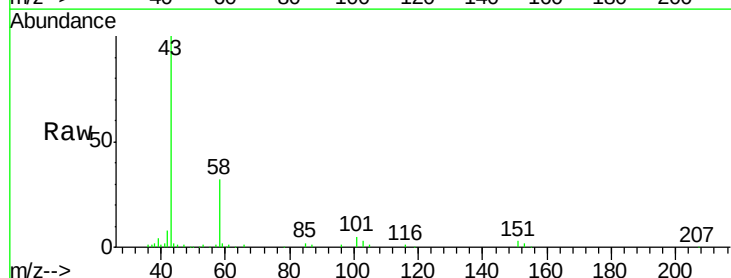
RT: 3.97 min Scan# 367

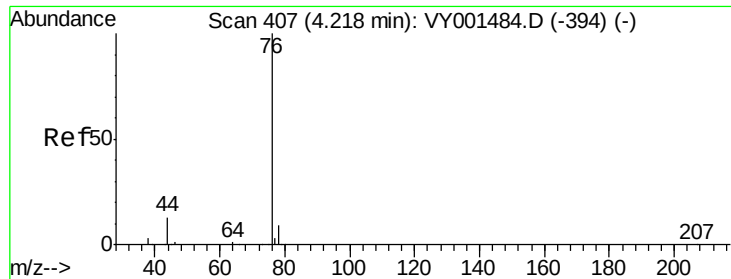
Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion:	43	Resp:	72476
Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.5	41.3





#17

Carbon Disulfide

Concen: 19.447 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBSD01

Tot Ion: 76 Resp: 161709

Ion Ratio Lower Upper

76 100

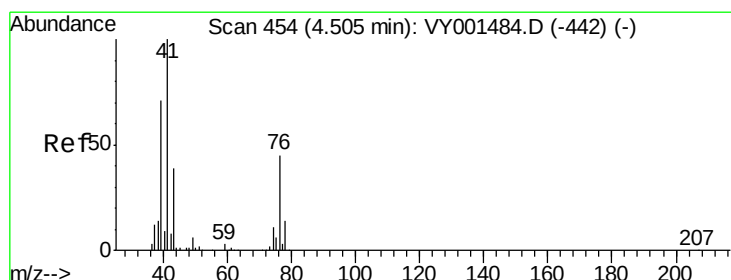
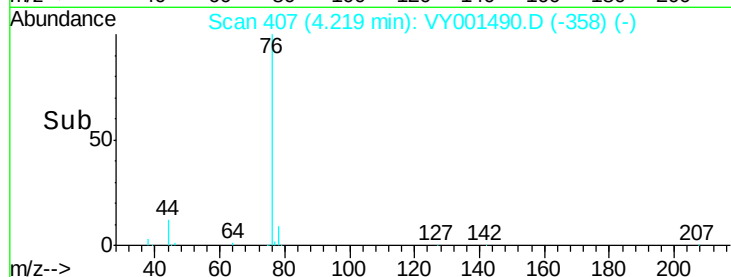
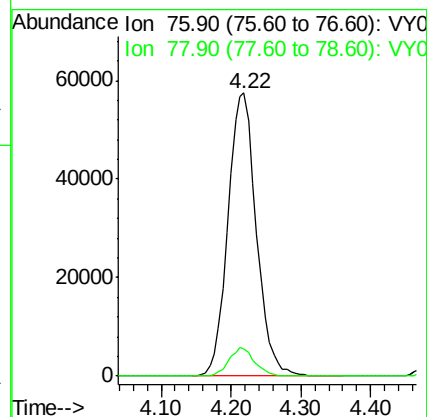
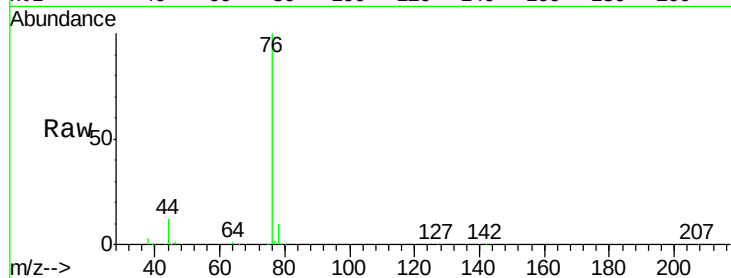
78 9.9 7.0 10.6

Manual Integrations

APPROVED

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#18

Methyl Acetate

Concen: 22.542 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001490.D

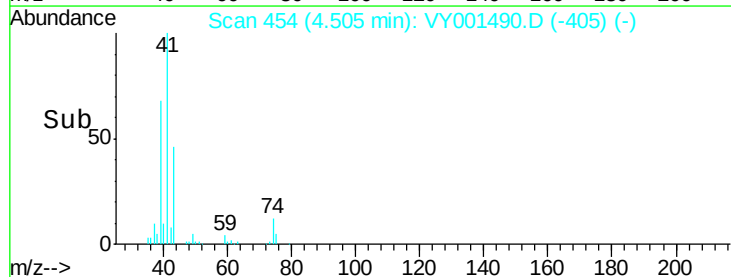
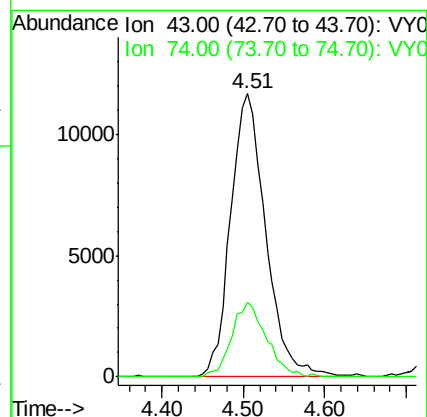
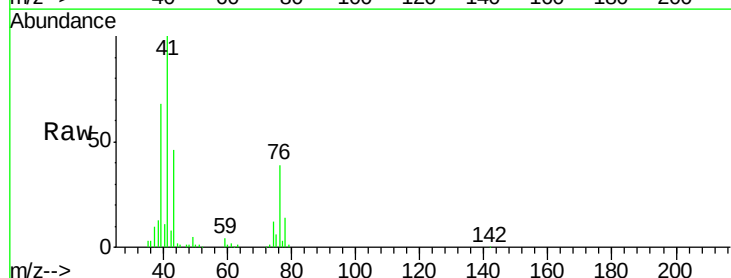
Acq: 04 Feb 2020 16:37

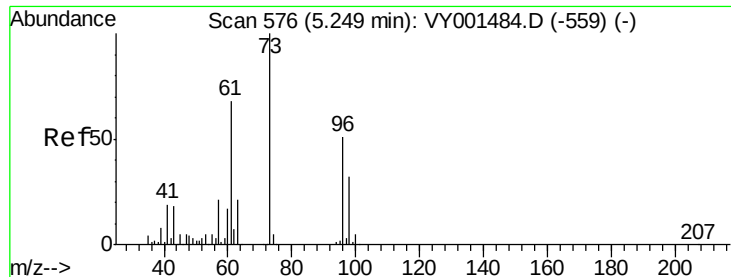
Tgt Ion: 43 Resp: 34807

Ion Ratio Lower Upper

43 100

74 25.8 21.0 31.6





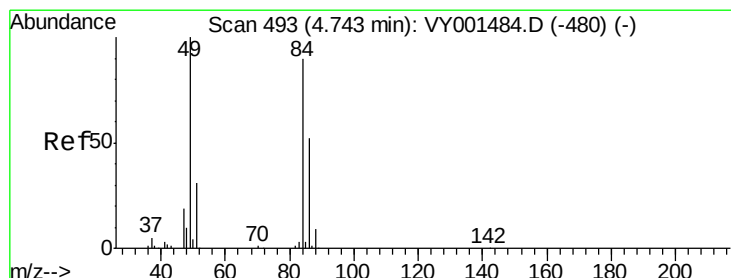
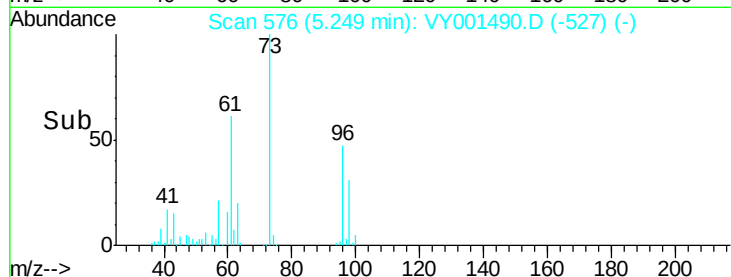
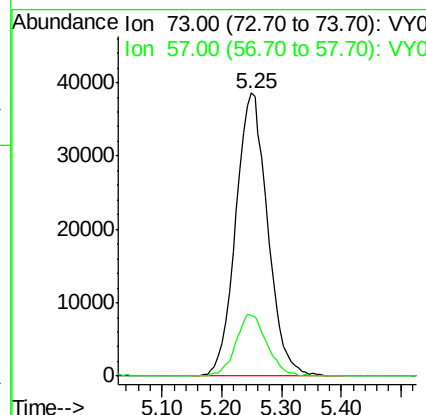
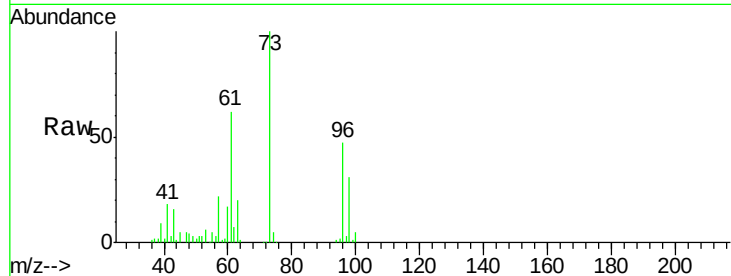
#19
Methvl tert-butvl Ether
Concen: 20.635 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion: 73 Resp: 143342
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6

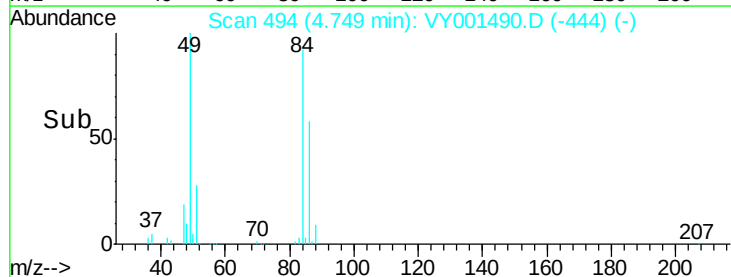
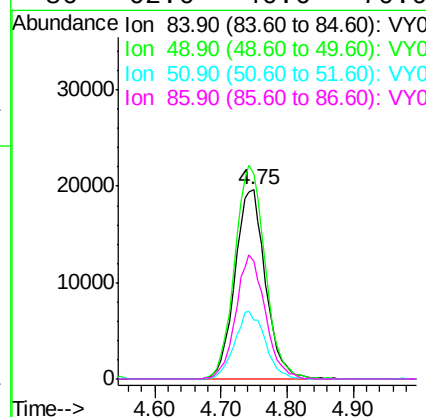
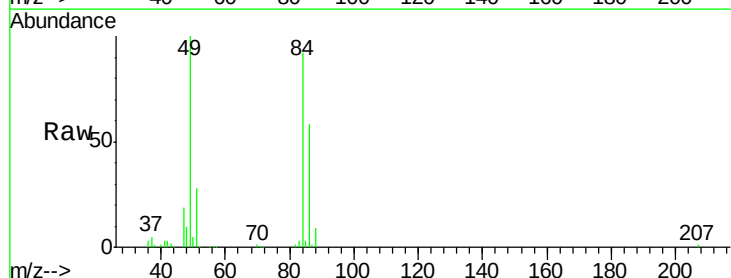
Manual Integrations
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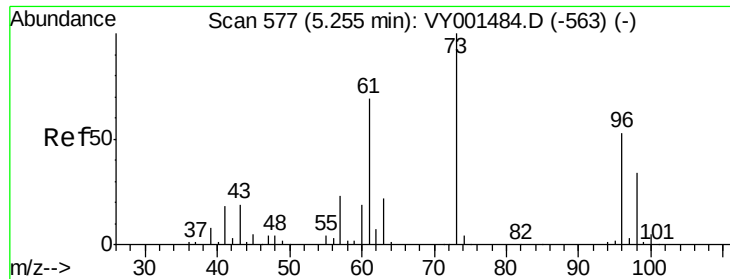
MMDadoda
2/5/2020 12:23:59 PM



#20
Methylene Chloride
Concen: 19.264 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion: 84 Resp: 62812
Ion Ratio Lower Upper
84 100
49 108.6 89.0 133.6
51 30.9 27.4 41.2
86 62.6 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.647 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 96 Resp: 57052

Ion Ratio Lower Upper

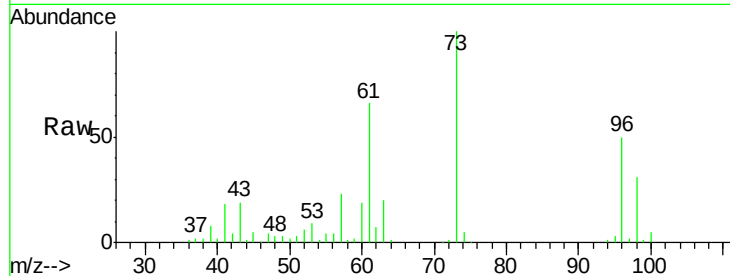
96 100

61 132.2 104.2 156.4

98 62.4 51.4 77.0

Manual Integrations
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MMDadoda
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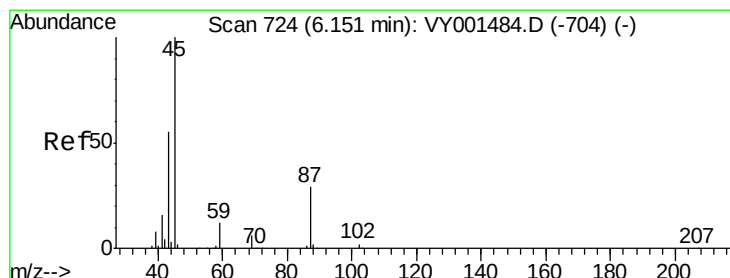
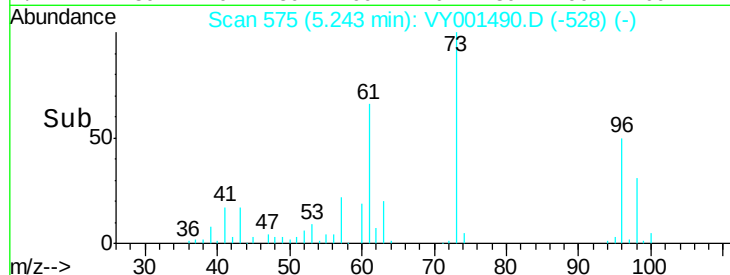
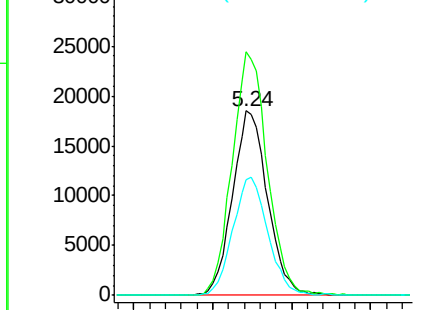


Abundance

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: 20.168 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion: 45 Resp: 159666

Ion Ratio Lower Upper

45 100

43 58.4 44.2 66.4

87 29.1 23.9 35.9

59 11.6 10.2 15.2

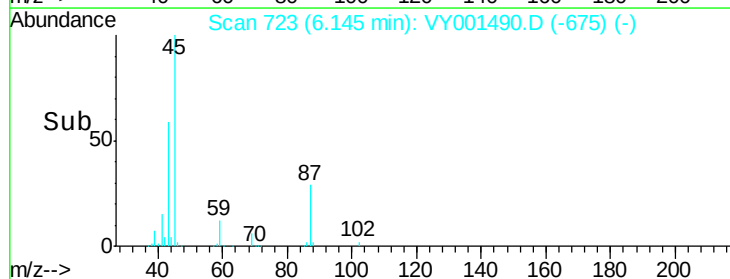
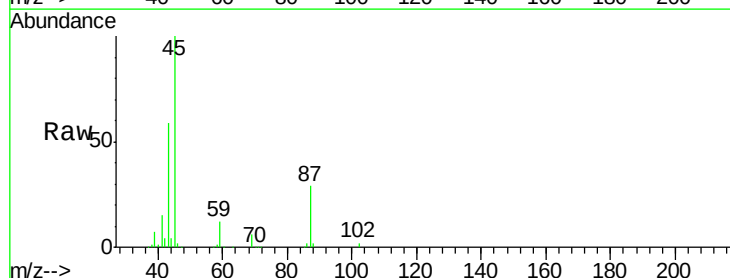
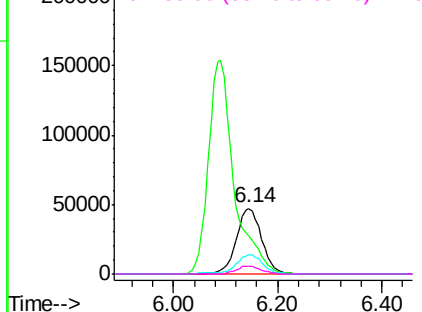
Abundance

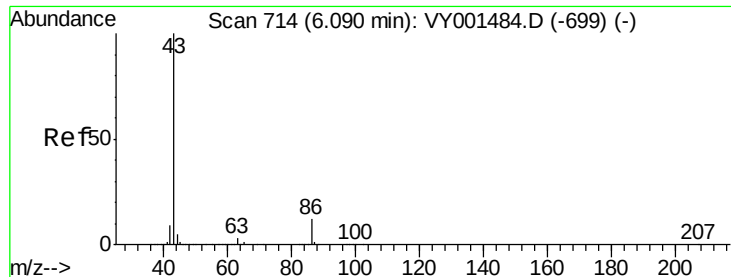
Ion 45.00 (44.70 to 45.70): VY0

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: 104.114 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 43 Resp: 524706

Ion Ratio Lower Upper

43 100

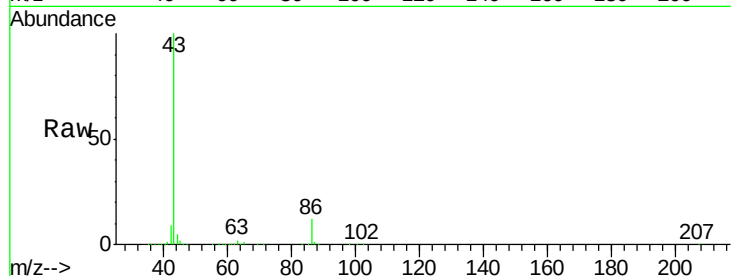
86 12.3 9.8 14.8

Manual Integrations

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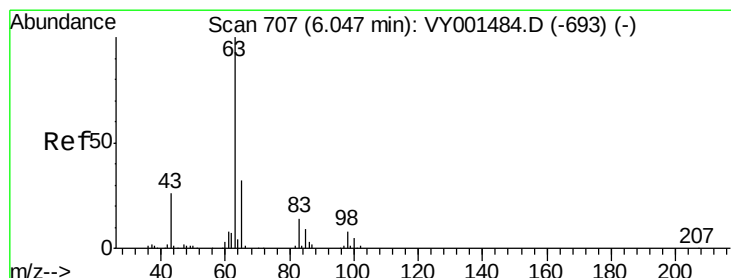
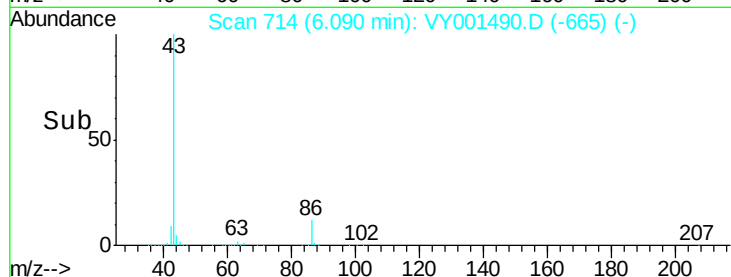
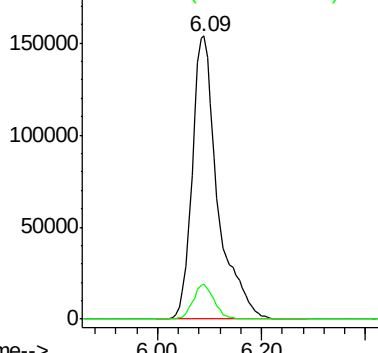
MMDadoda

2/5/2020 12:23:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.742 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

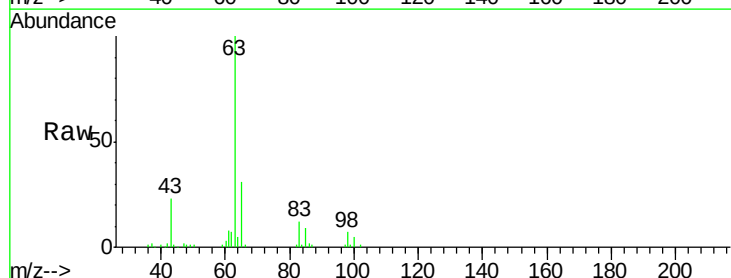
Tgt Ion: 63 Resp: 94008

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

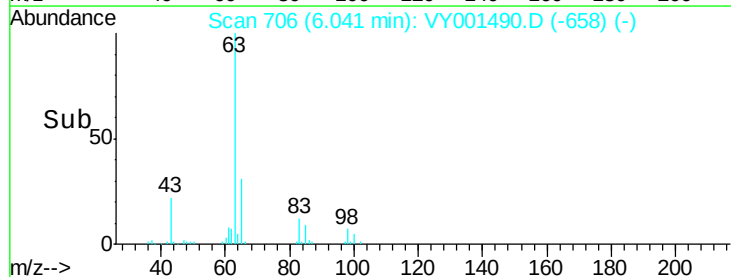
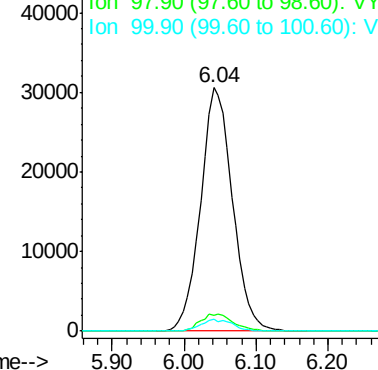
100 5.1 2.6 8.0

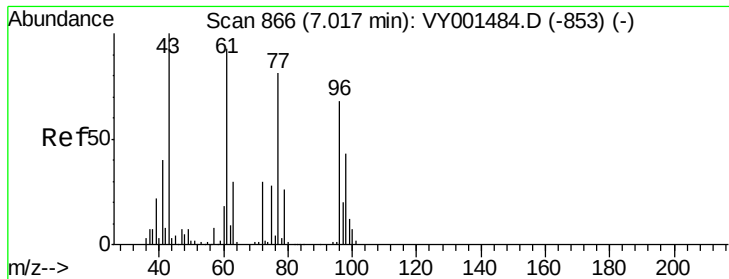


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 107.736 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 43 Resp: 101136

Ion Ratio Lower Upper

43 100

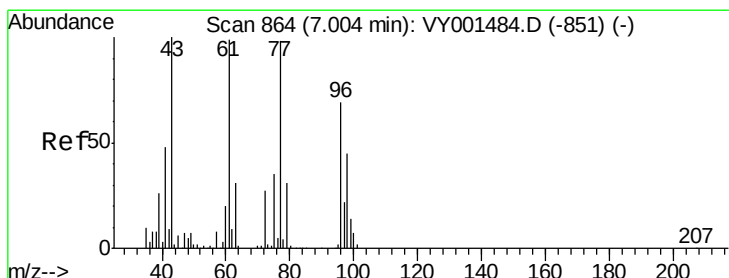
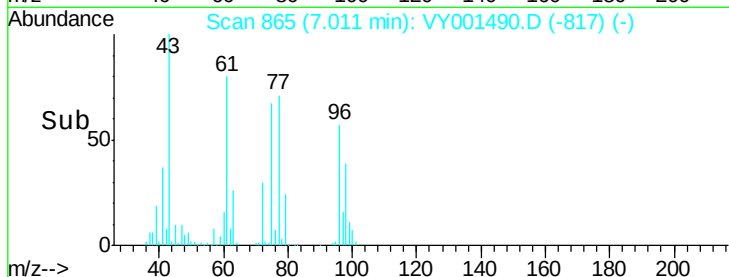
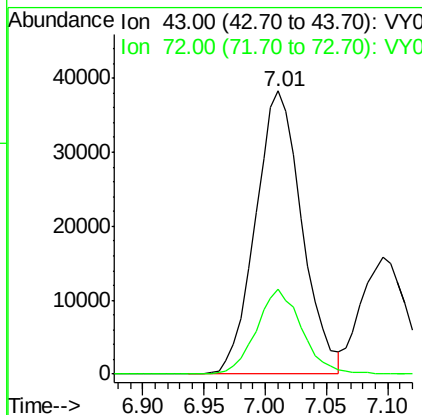
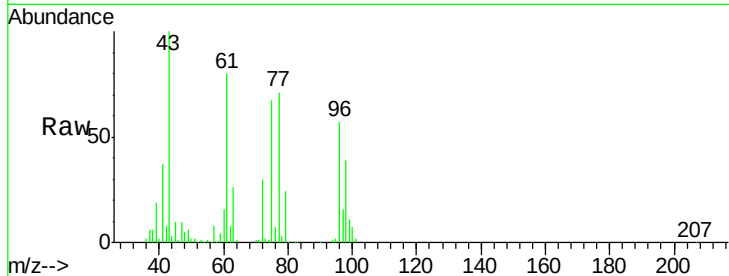
72 29.8 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

2/5/2020 12:23:59 PM



#26

2,2-Dichloropropane

Concen: 19.641 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001490.D

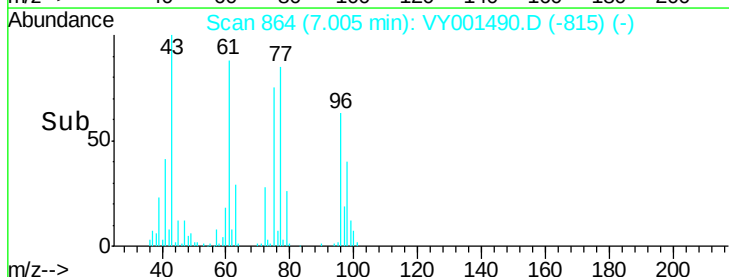
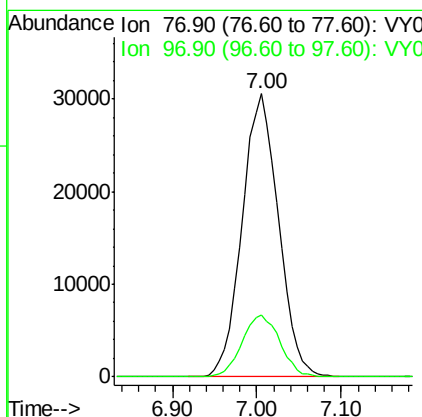
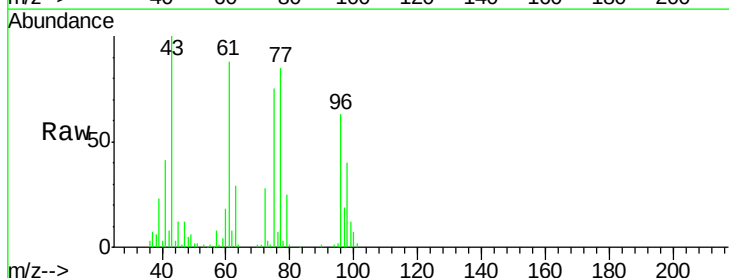
Acq: 04 Feb 2020 16:37

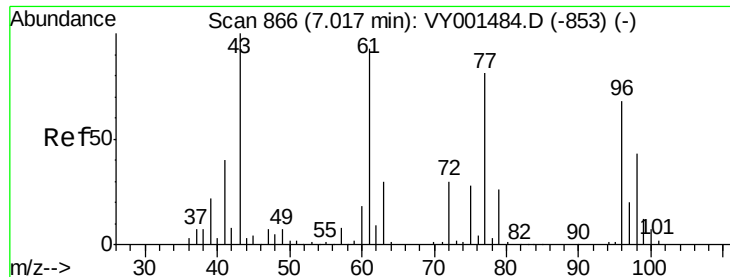
Tgt Ion: 77 Resp: 89513

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

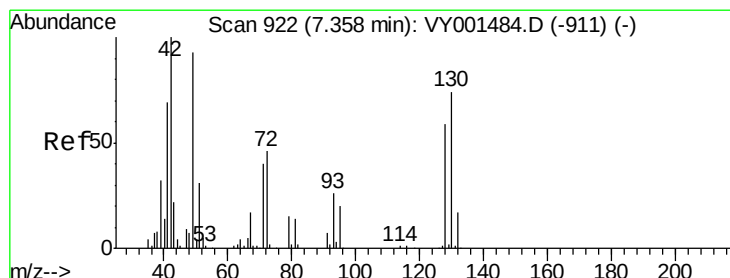
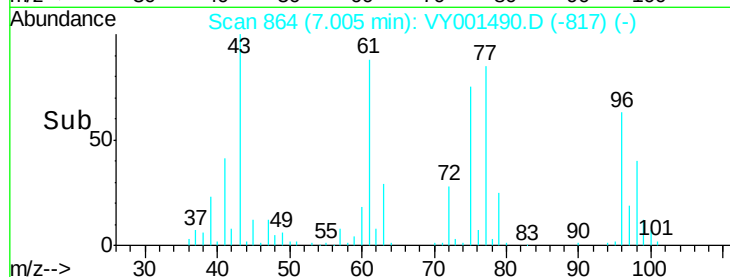
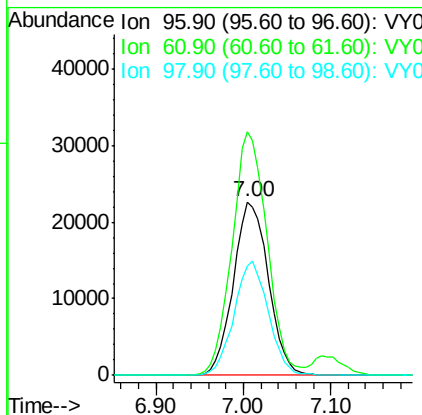
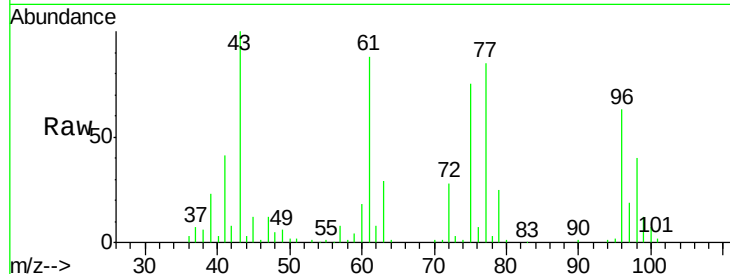
cis-1,2-Dichloroethene
Concen: 19.871 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	278.8
98	64.3	0.0	128.8

Manual Integrations
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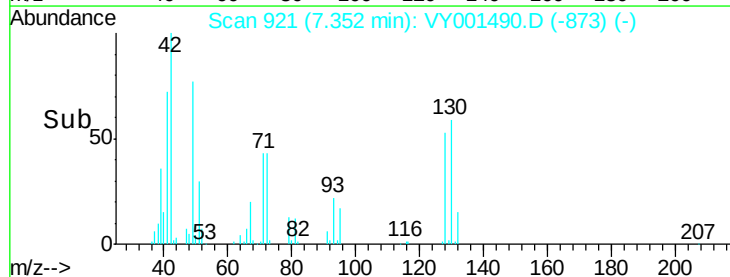
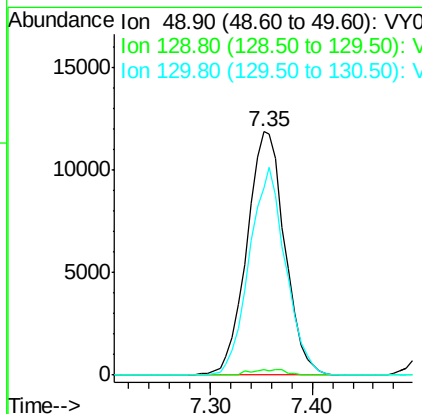
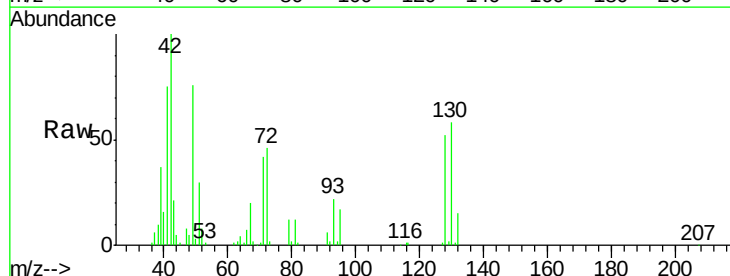
MMDadoda
2/5/2020 12:23:59 PM

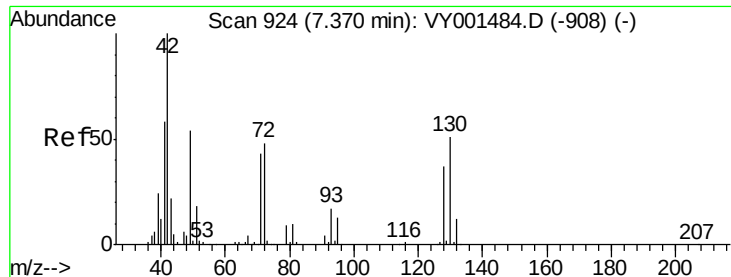


#28

Bromochloromethane
Concen: 18.903 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	81.5	65.4	98.2





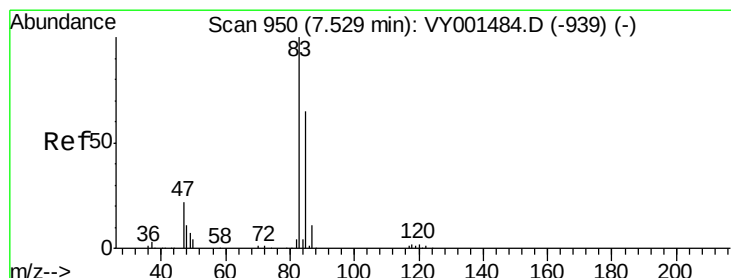
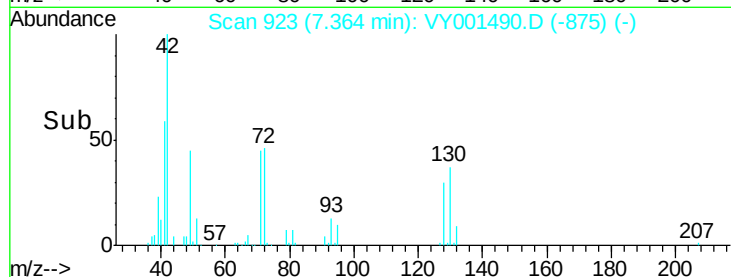
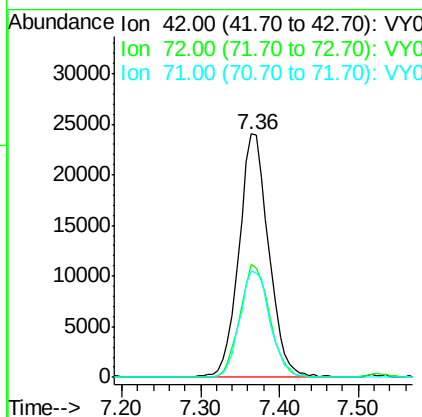
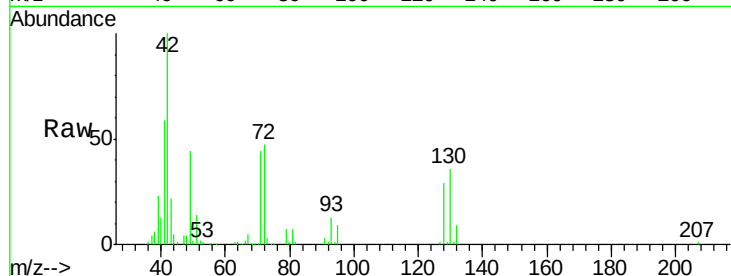
#29
Tetrahydrofuran
Concen: 112.266 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.8	56.6
71	44.5	34.8	52.2

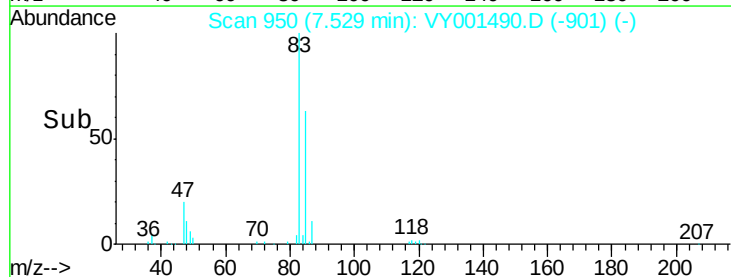
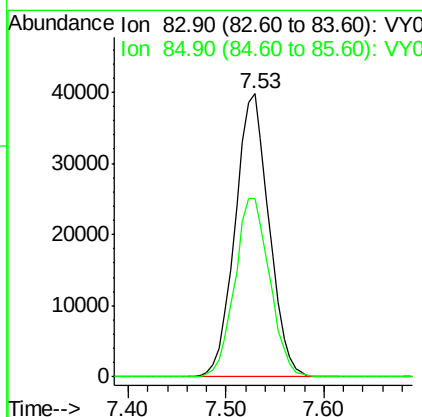
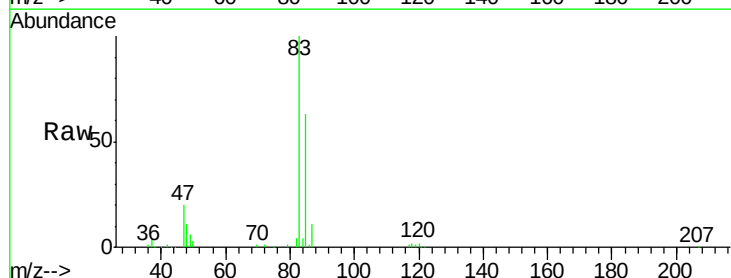
Manual Integrations
APPROVED

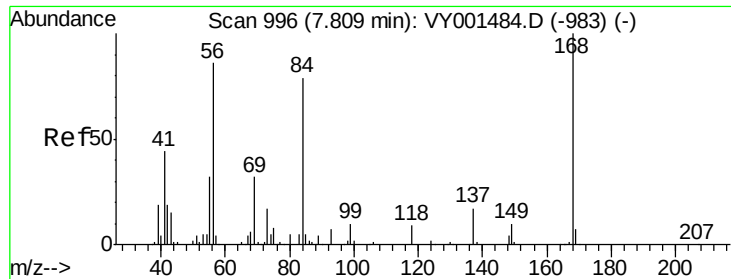
MMDadoda
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#30
Chloroform
Concen: 19.832 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.4	78.6





#31

Cyclohexane

Concen: 19.380 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

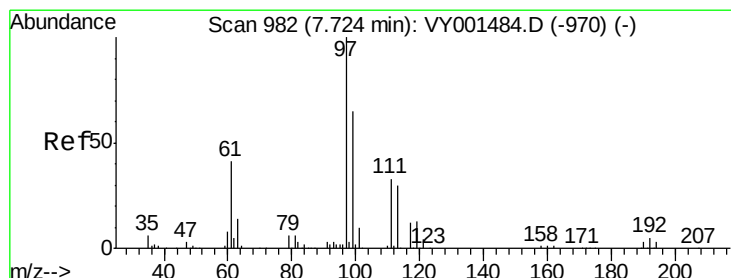
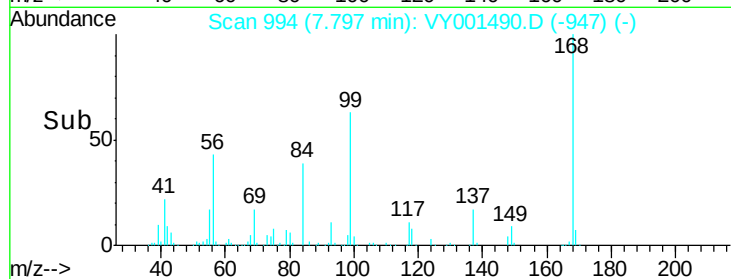
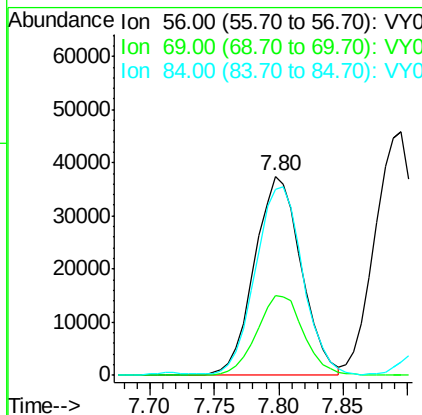
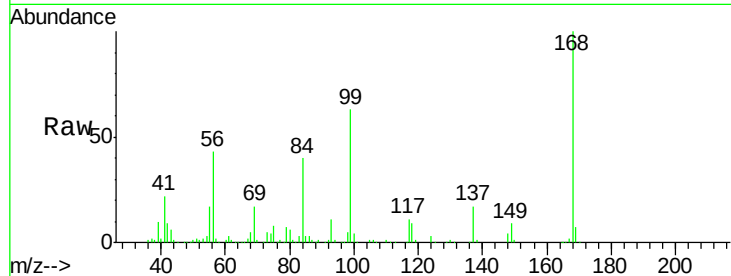
ClientSampleId :

VY0204SBS01

Tot Ion:	56	Resp:	94399
Ion	Ratio	Lower	Upper
56	100		
69	39.8	29.6	44.4
84	92.1	73.6	110.4

Manual Integrations
APPROVED

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2/5/2020 12:23:59 PM



#32

1,1,1-Trichloroethane

Concen: 19.673 ug/l

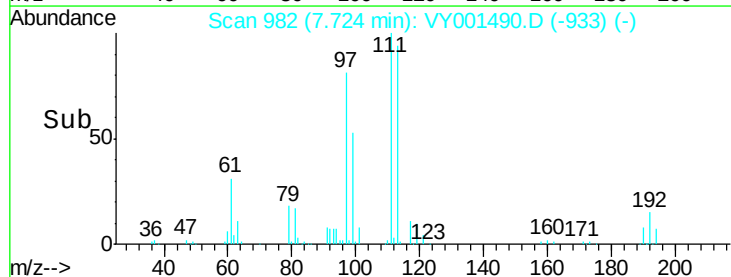
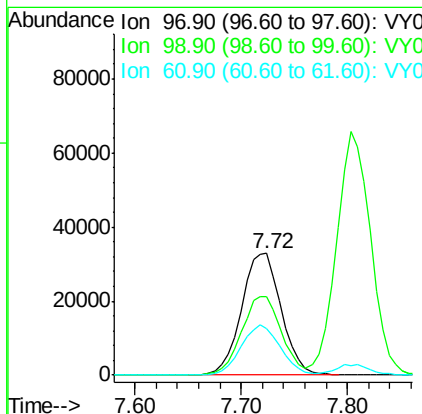
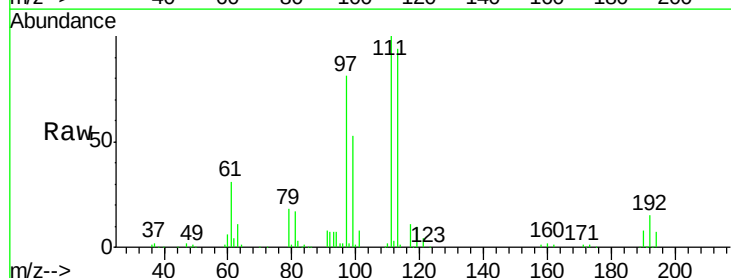
RT: 7.72 min Scan# 982

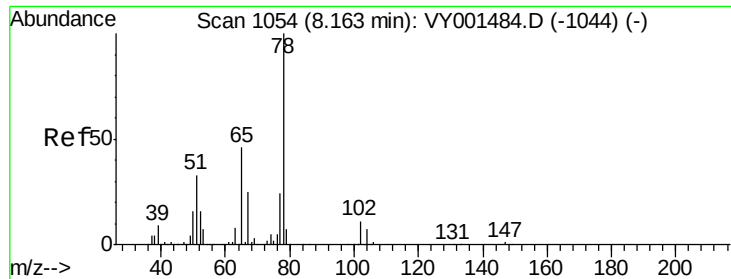
Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion:	97	Resp:	86035
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.8
61	40.8	32.5	48.7





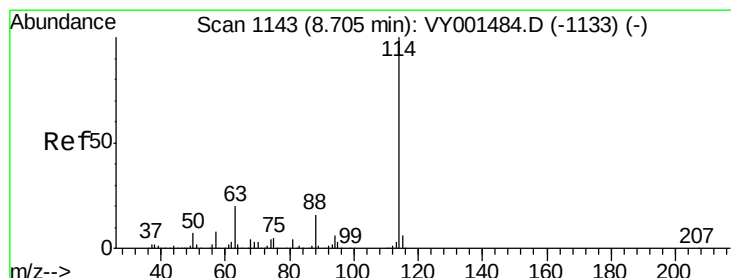
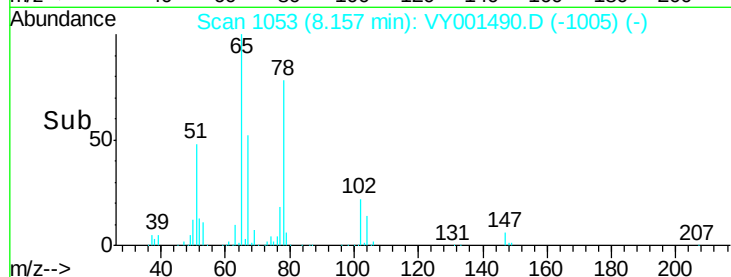
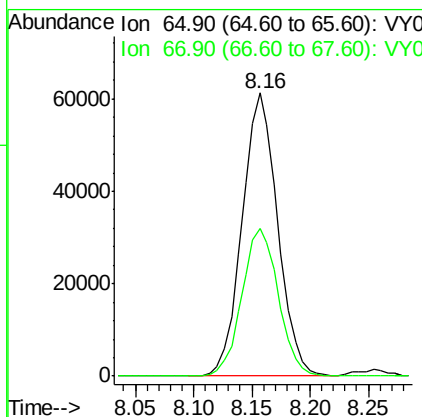
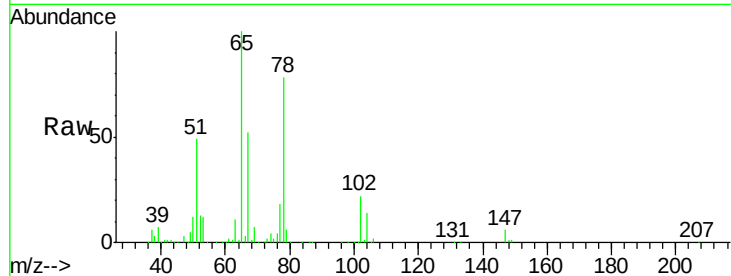
#33
 1,2-Dichloroethane-d4
 Concen: 52.006 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	108.6	

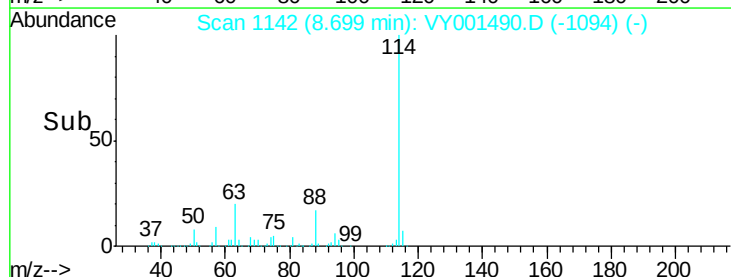
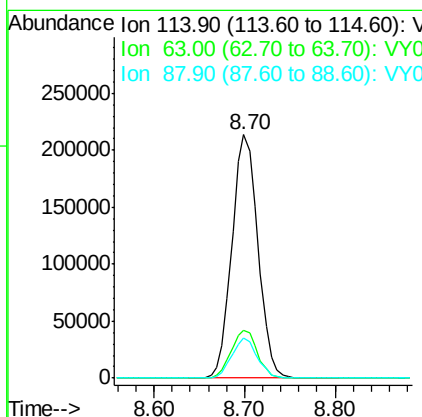
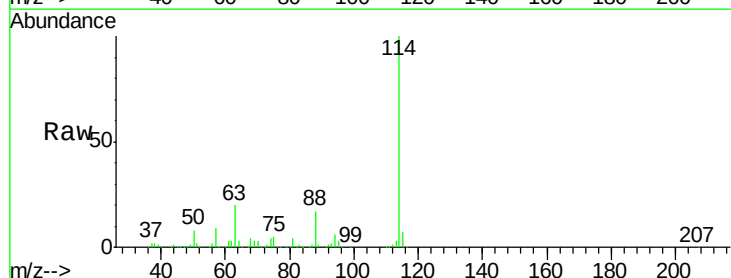
Manual Integrations
 APPROVED

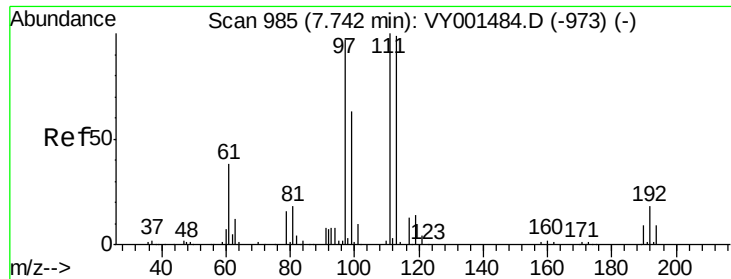
MMDadoda
 2/5/2020 12:23:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	16.6	0.0	32.6	





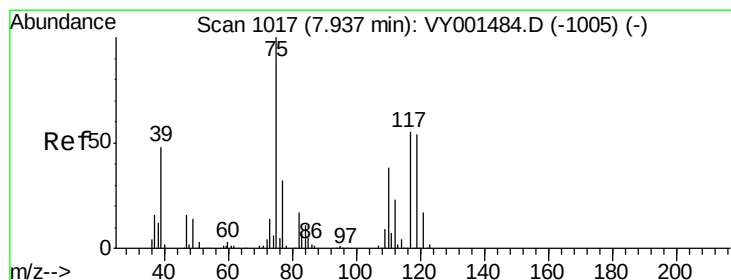
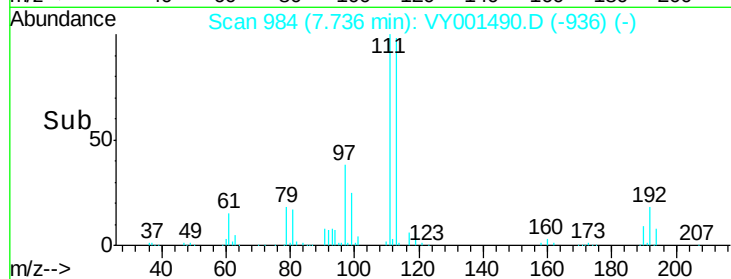
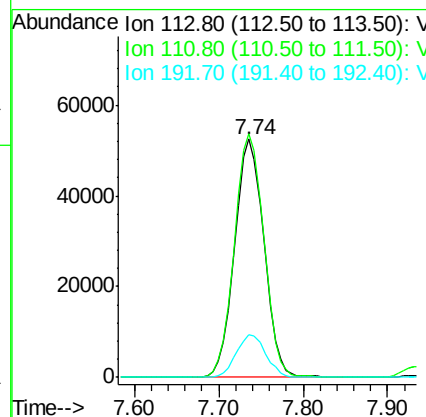
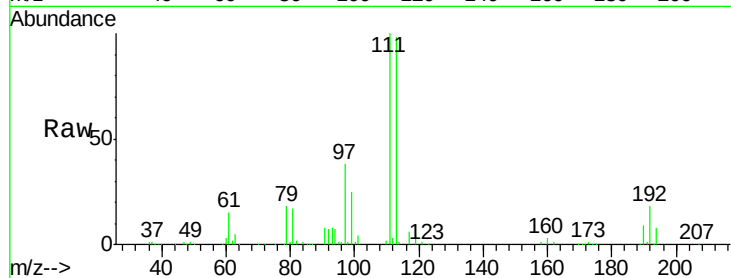
#35
Dibromofluoromethane
Concen: 50.525 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123798		
111	102.9	82.9	124.3	
192	18.0	14.6	22.0	

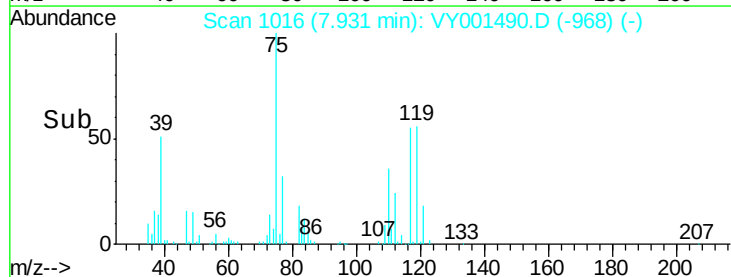
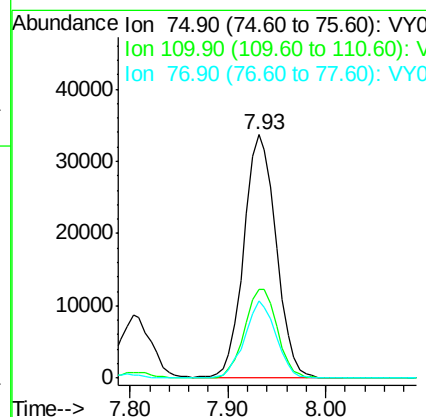
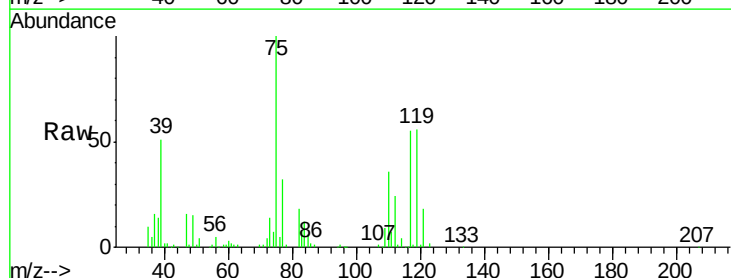
Manual Integrations
APPROVED

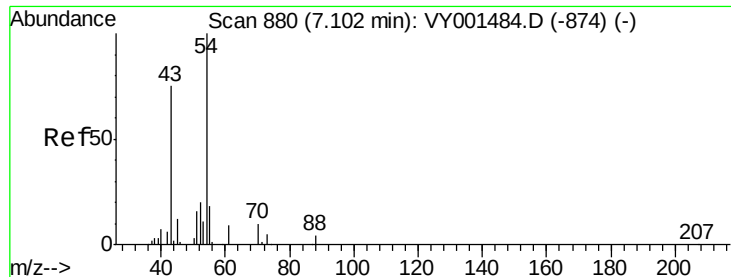
MMDadoda
2/5/2020 12:23:59 PM



#36
1,1-Dichloropropene
Concen: 19.945 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77527		
110	36.9	18.2	54.6	
77	30.8	25.0	37.4	





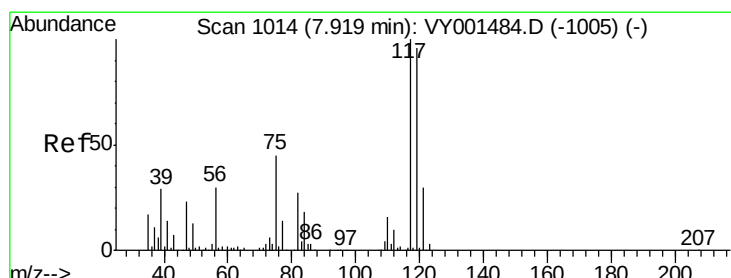
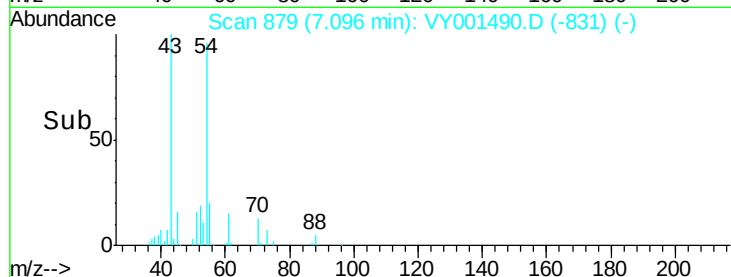
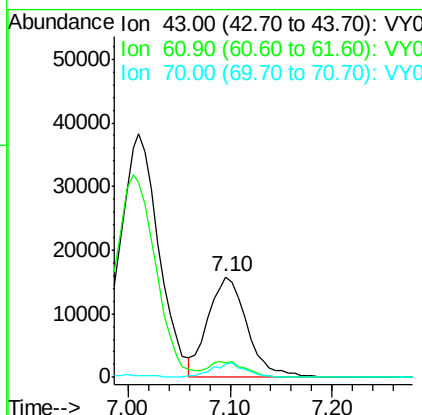
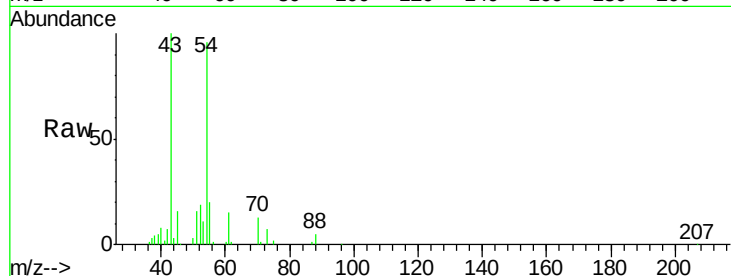
#37
Ethyl Acetate
Concen: 22.300 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	12.6	10.2	15.4

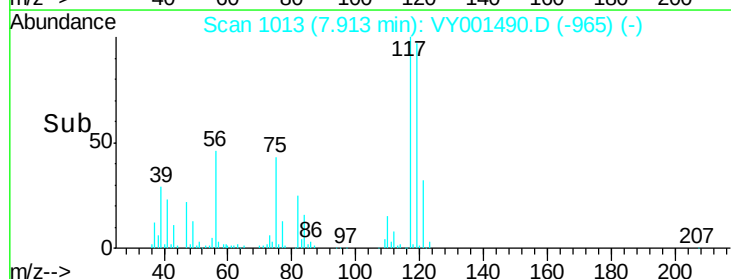
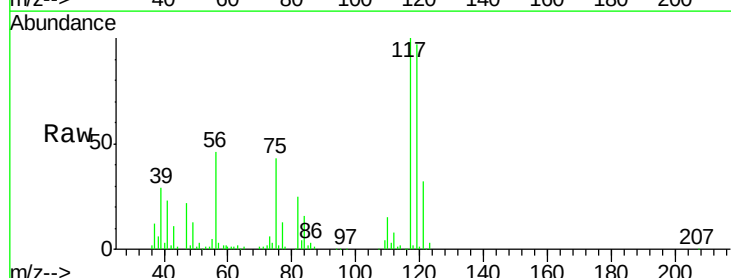
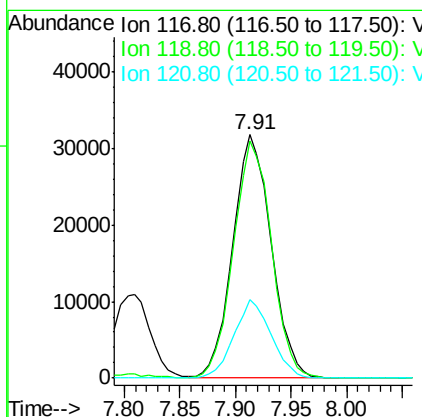
Manual Integrations
APPROVED

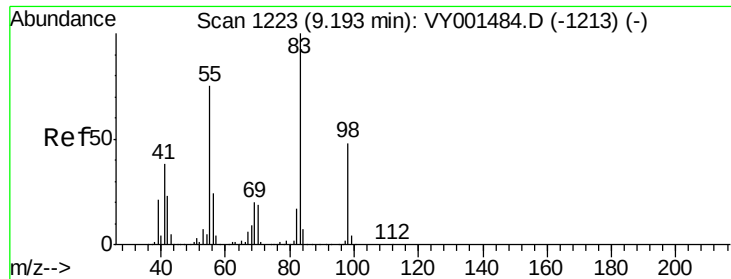
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.4	114.6
121	32.3	24.2	36.4





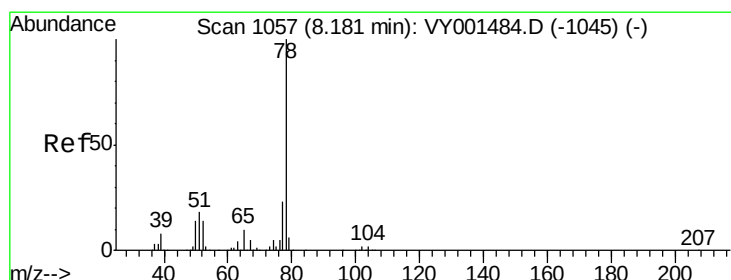
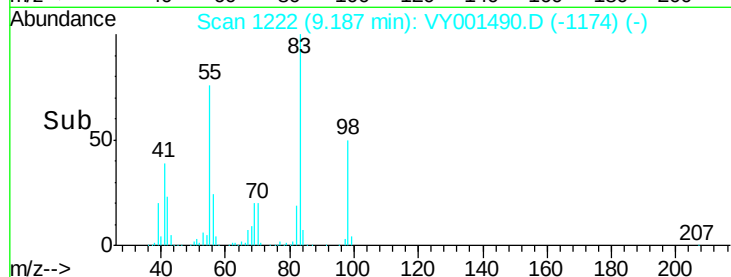
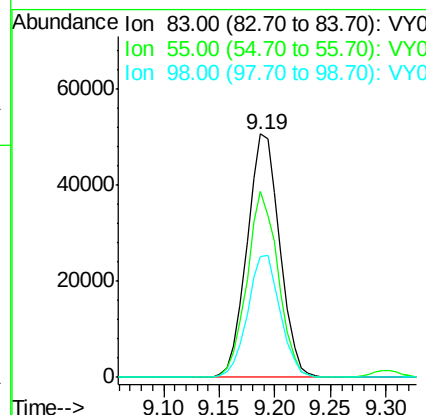
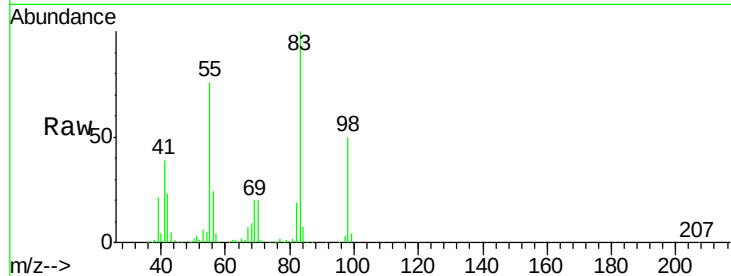
#39
Methylvlcyclohexane
Concen: 20.210 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.8	89.6
98	49.6	38.6	57.8

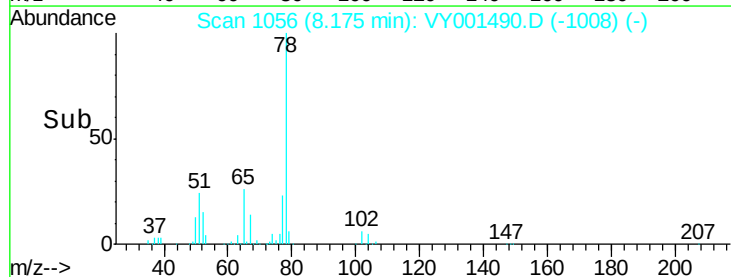
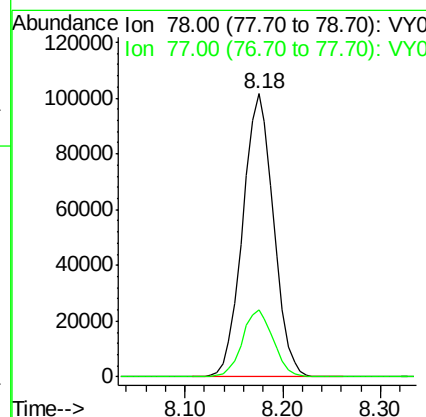
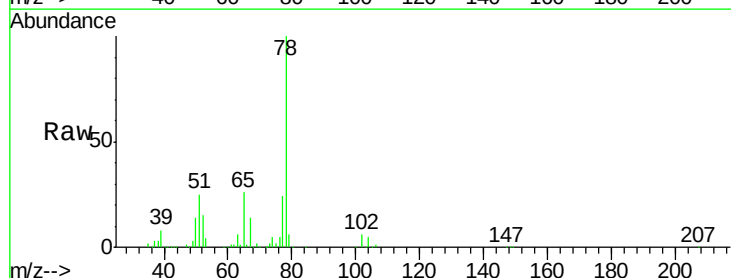
Manual Integrations
APPROVED

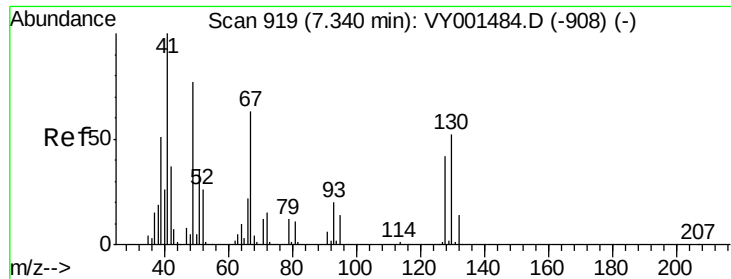
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#40
Benzene
Concen: 19.997 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





#41

Methacrylonitrile

Concen: 24.037 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 41 Resp: 20963

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

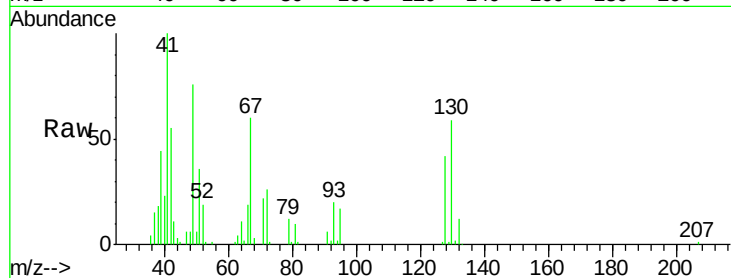
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/5/2020 12:23:59 PM

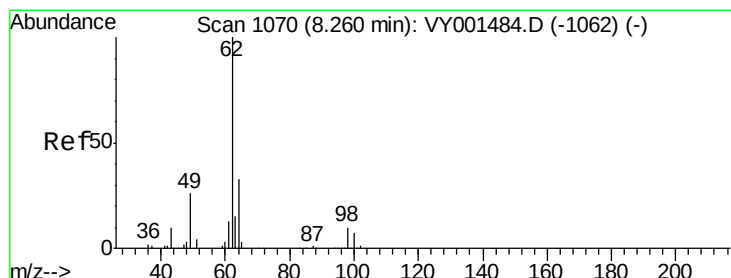
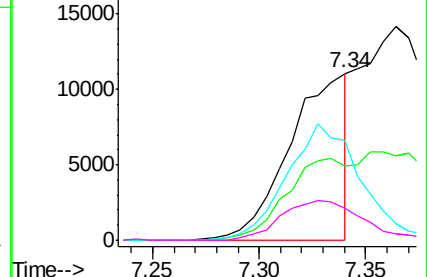
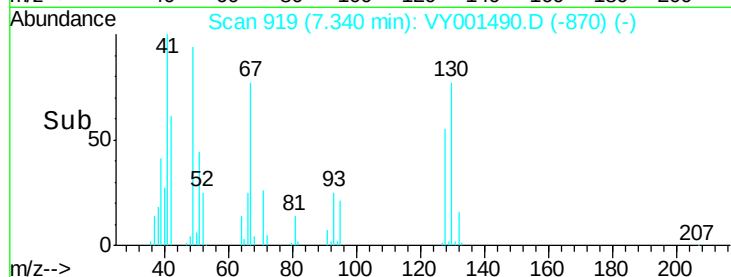


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.770 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY001490.D

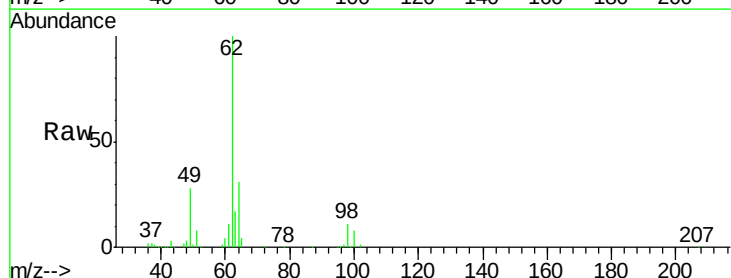
Acq: 04 Feb 2020 16:37

Tgt Ion: 62 Resp: 64157

Ion Ratio Lower Upper

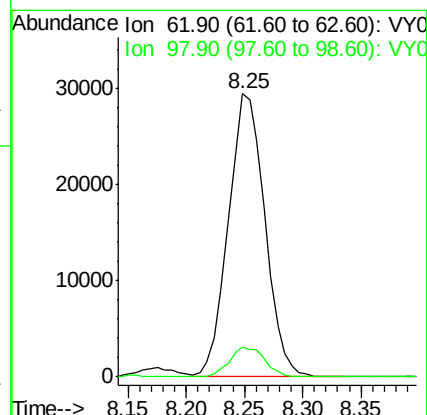
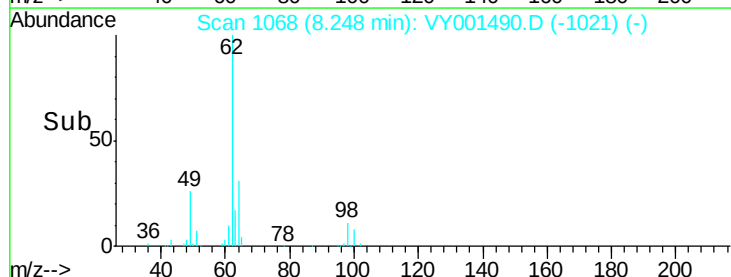
62 100

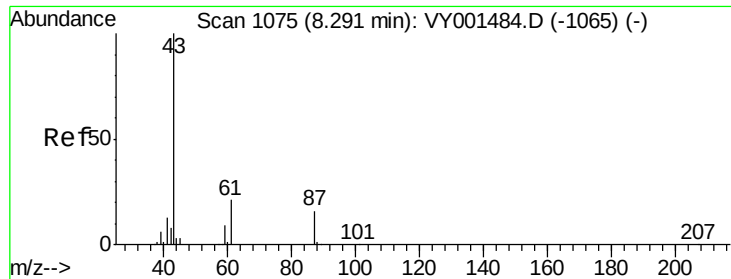
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

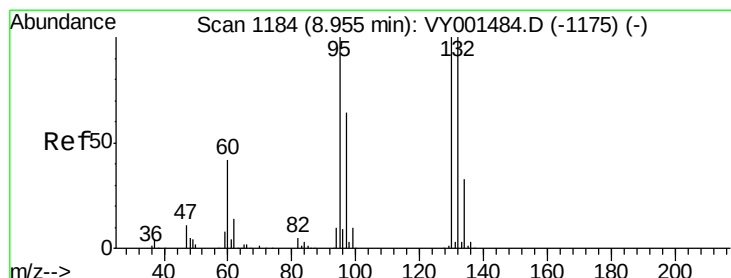
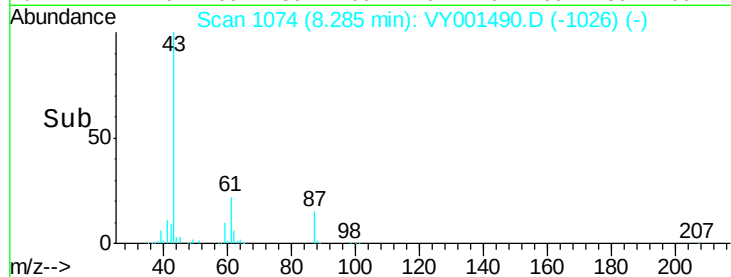
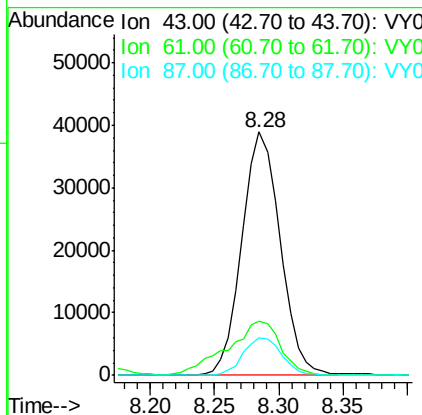
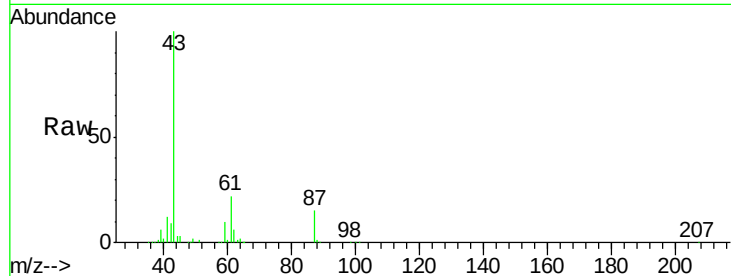
Isopropyl Acetate
 Concen: 21.592 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	43	Resp	80446
Ion Ratio	100	Lower	Upper
43	100		
61	30.8	25.1	37.7
87	15.5	12.6	19.0

Manual Integrations
 APPROVED

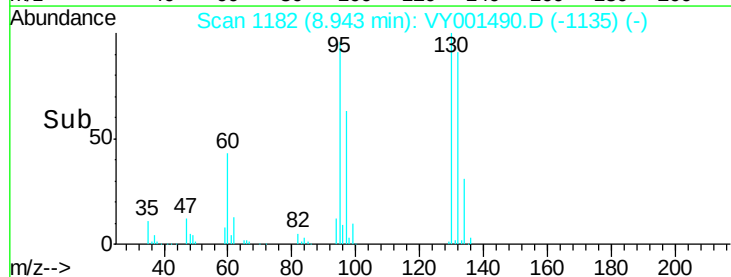
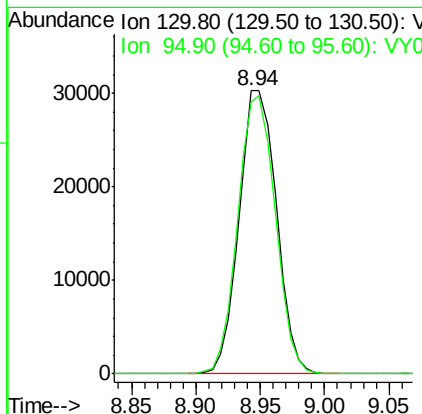
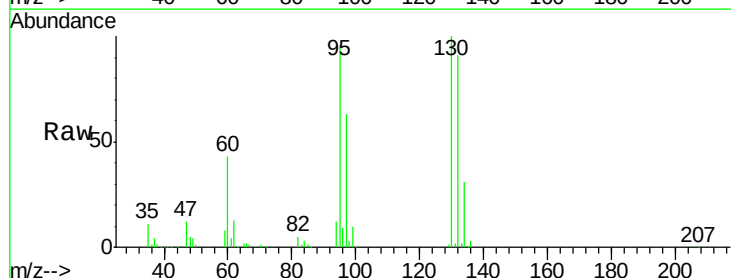
MMDadoda
 2/5/2020 12:23:59 PM

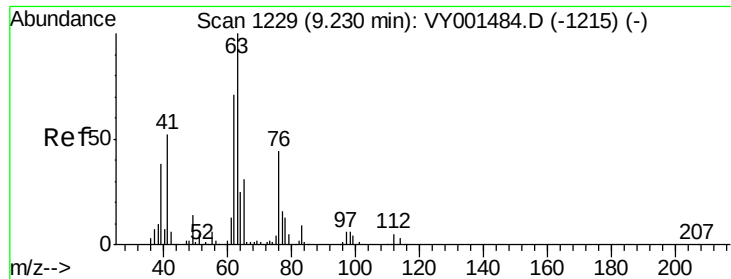


#44

Trichloroethene
 Concen: 20.386 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	130	Resp	60924
Ion Ratio	100	Lower	Upper
130	100		
95	95.9	0.0	199.2





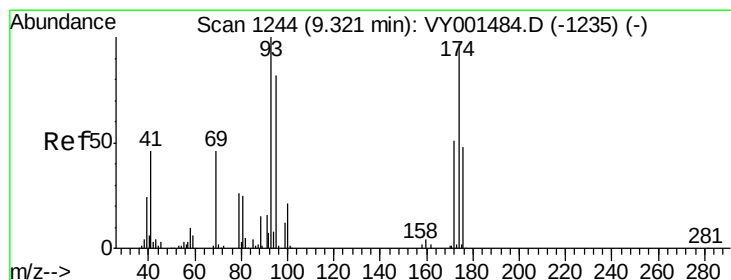
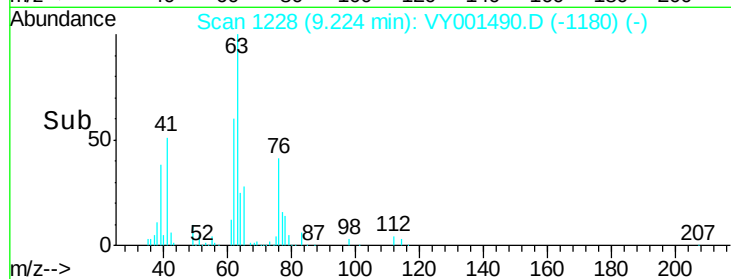
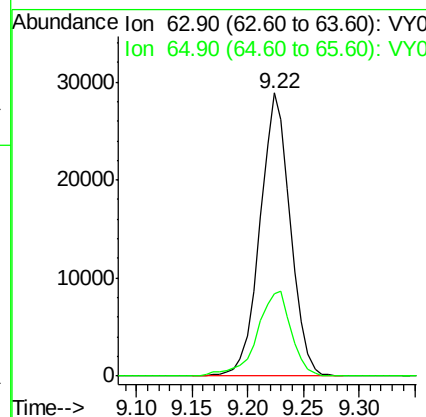
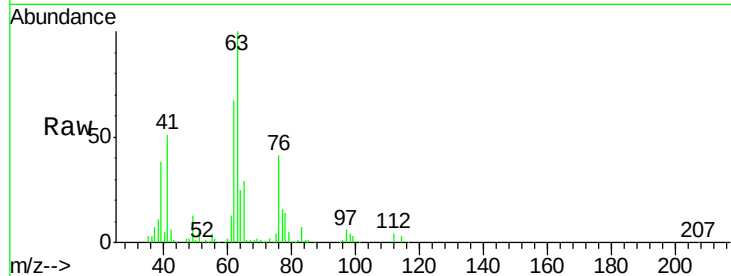
#45
 1,2-Dichloropropane
 Concen: 20.475 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	25.0	37.4

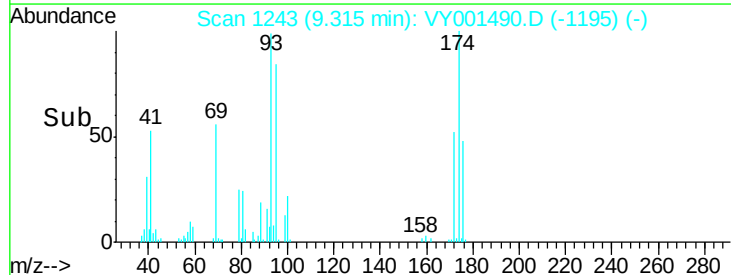
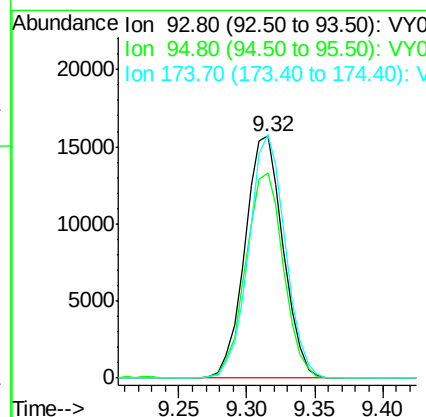
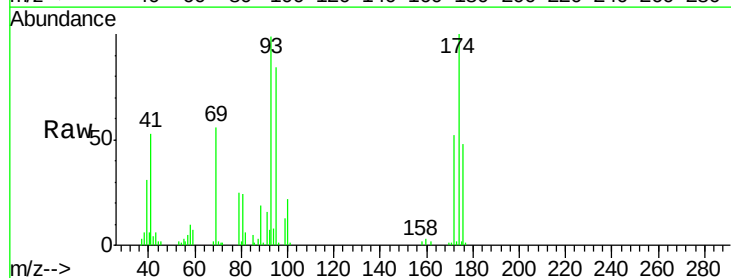
Manual Integrations
 APPROVED

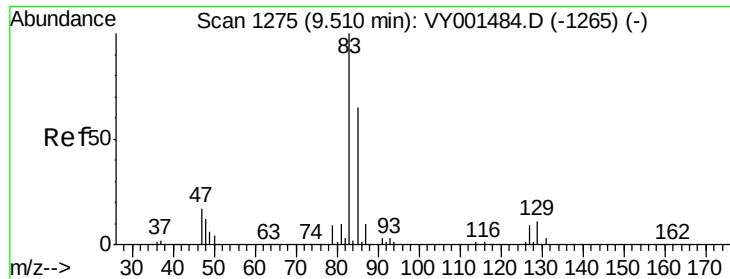
MMDadoda
 2/5/2020 12:23:59 PM



#46
 Dibromomethane
 Concen: 20.427 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.6	99.8
174	96.5	75.4	113.2





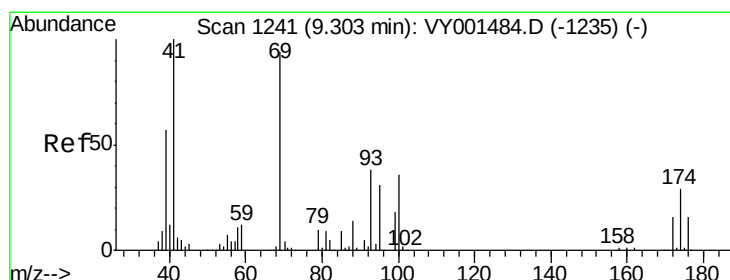
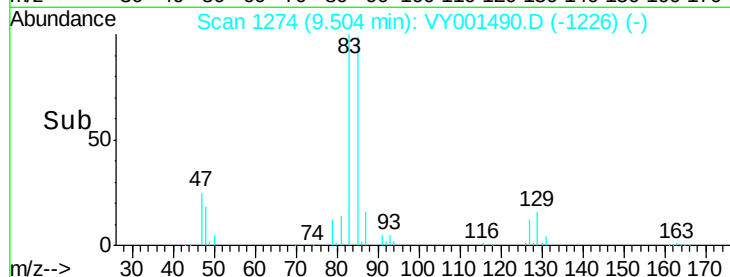
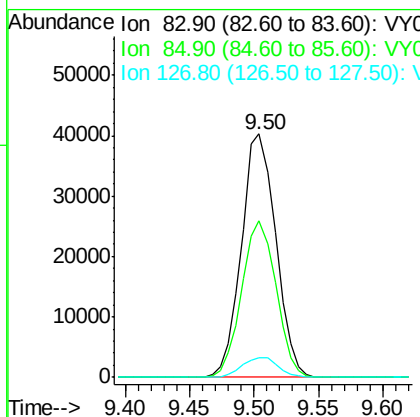
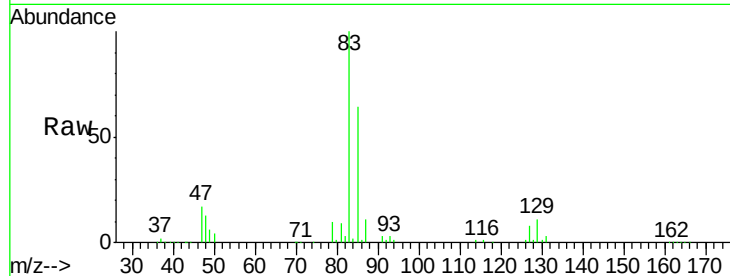
#47
Bromodichloromethane
Concen: 20.320 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	83	Resp	74432
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	7.9	6.9	10.3

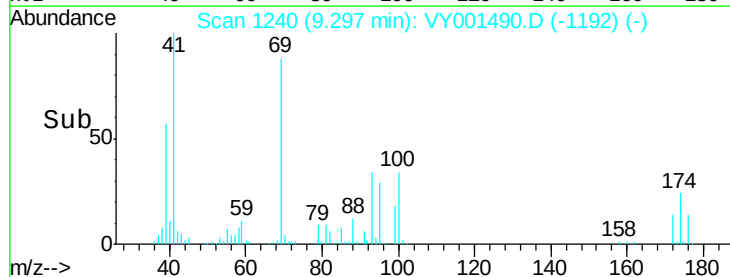
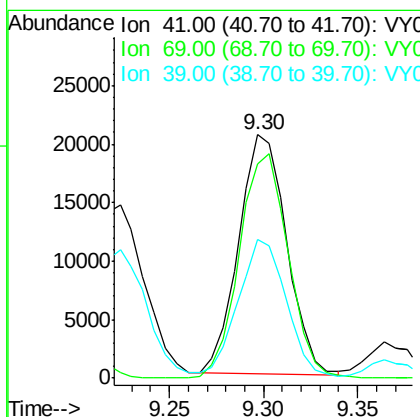
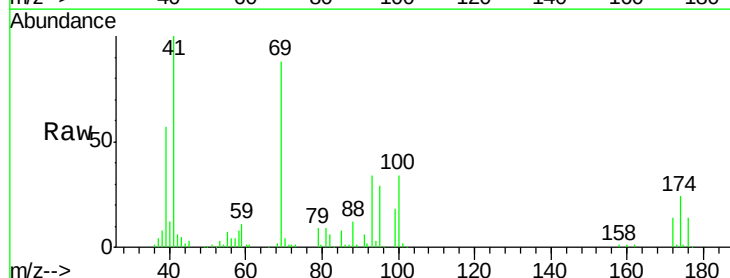
Manual Integrations
APPROVED

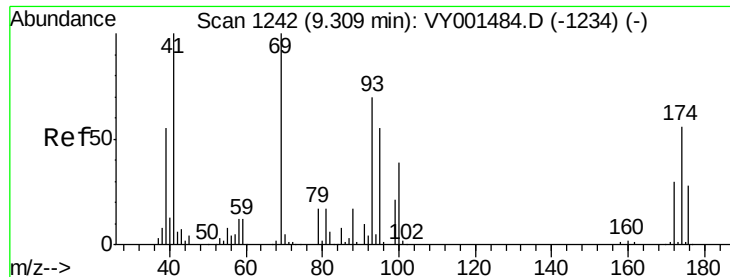
MMDadoda
2/5/2020 12:23:59 PM



#48
Methyl methacrylate
Concen: 21.347 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	41	Resp	36098
Ion Ratio	100	Lower	Upper
41	100		
69	95.8	76.6	114.8
39	56.4	45.4	68.0





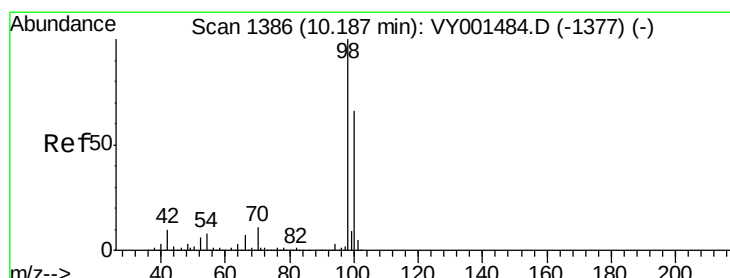
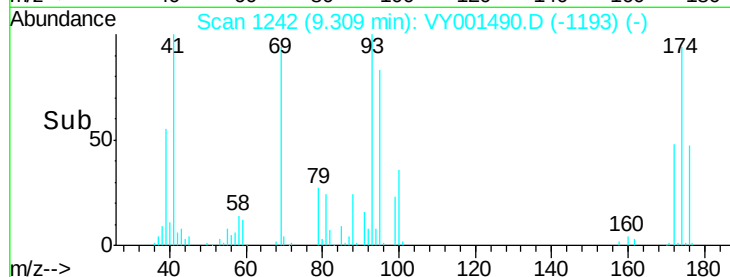
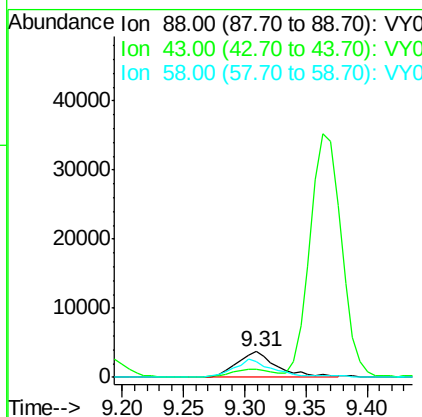
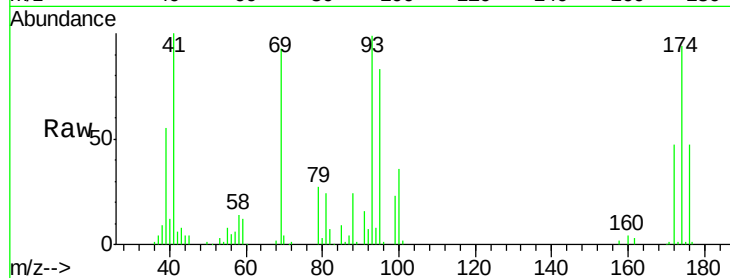
#49
1,4-Dioxane
Concen: 428.372 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.8	37.2
58	65.1	59.3	88.9

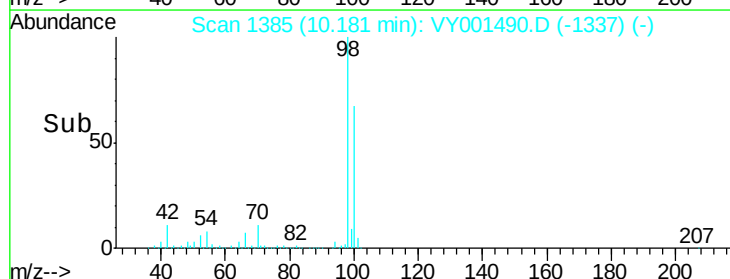
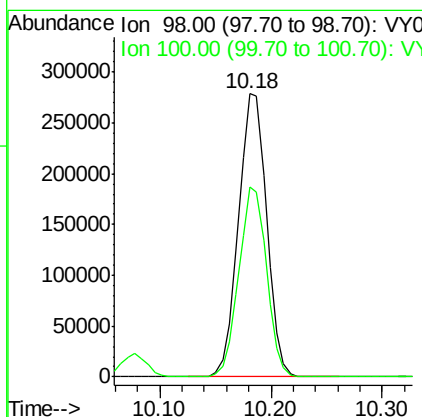
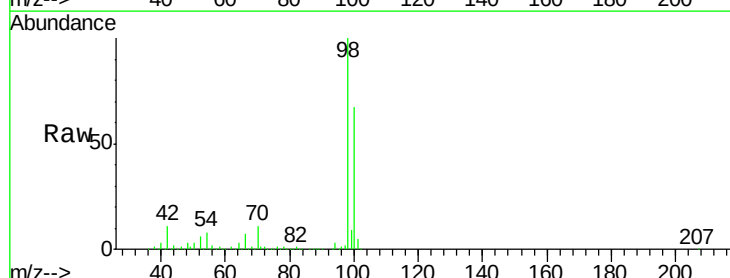
Manual Integrations
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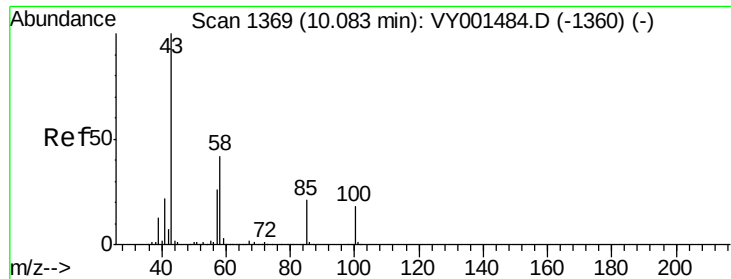
MMDadoda
2/5/2020 12:23:59 PM



#50
Toluene-d8
Concen: 52.763 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





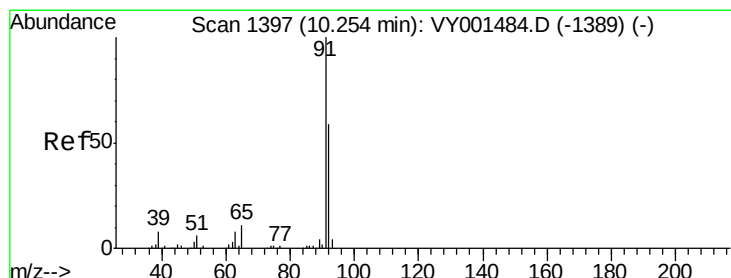
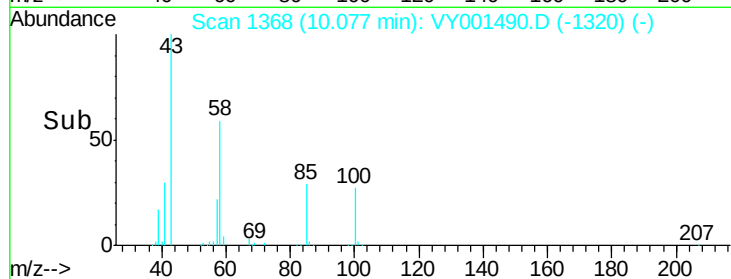
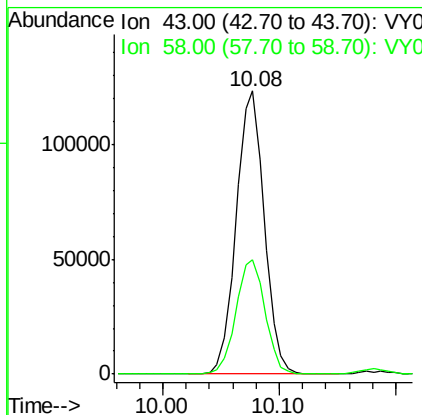
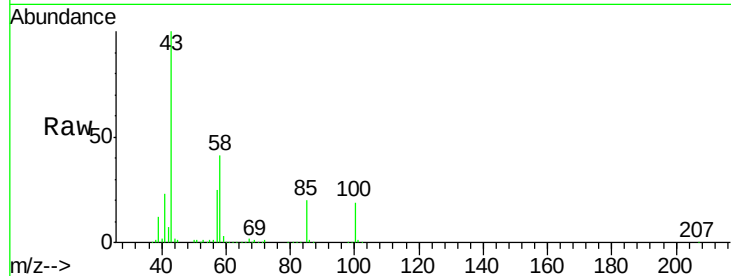
#51
 4-Methyl-2-Pentanone
 Concen: 113.128 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.9	50.9

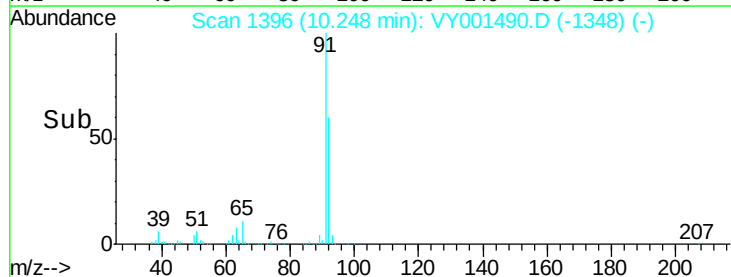
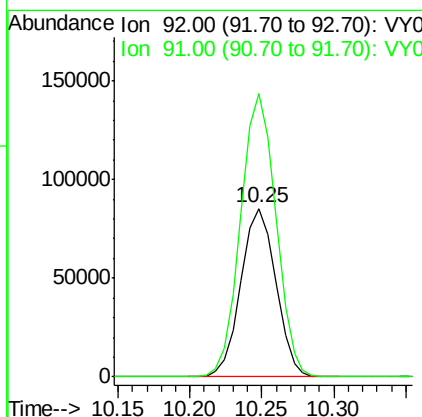
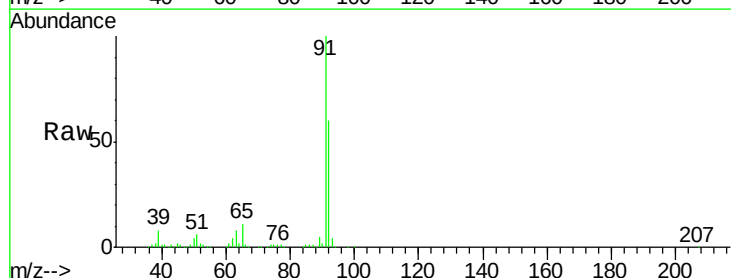
Manual Integrations
 APPROVED

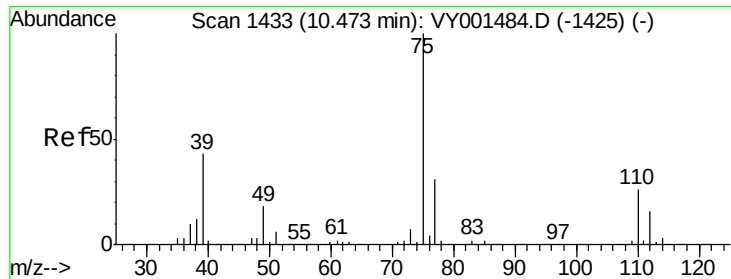
MMDadoda
 2/5/2020 12:23:59 PM



#52
 Toluene
 Concen: 20.386 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.6	204.8





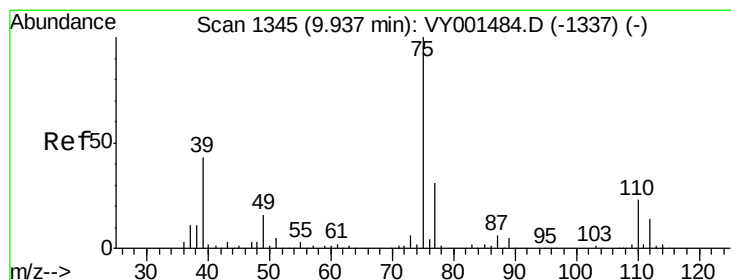
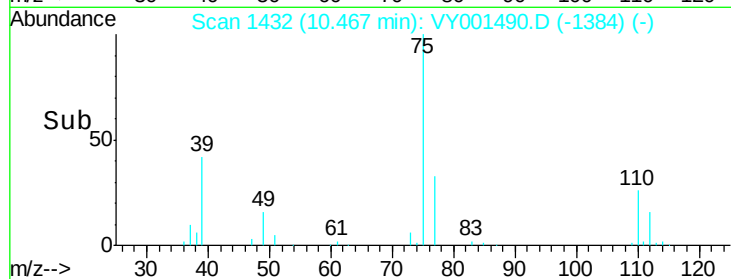
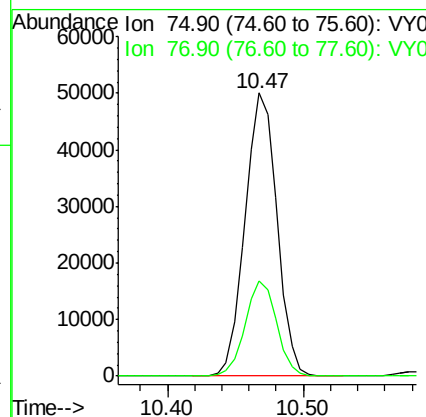
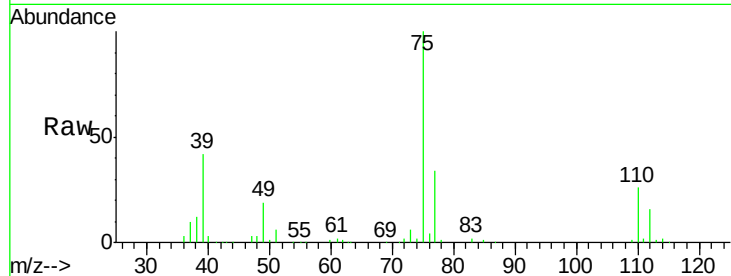
#53
t-1,3-Dichloropropene
Concen: 20.601 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.9	37.3

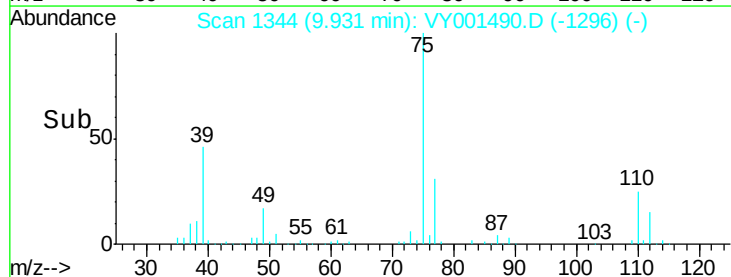
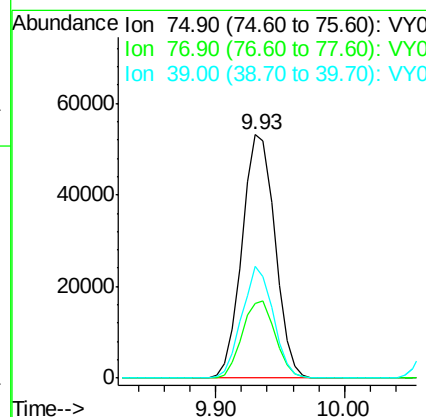
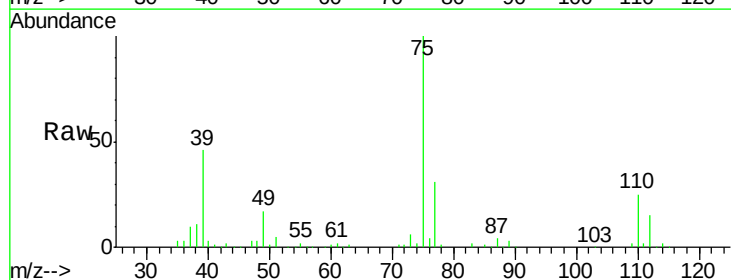
Manual Integrations
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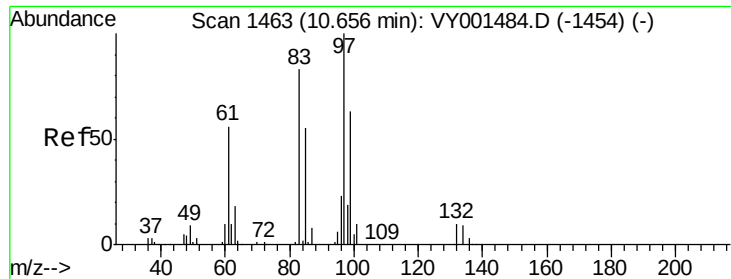
MMDadoda
2/5/2020 12:23:59 PM



#54
cis-1,3-Dichloropropene
Concen: 20.535 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.7	37.1
39	45.9	34.0	51.0





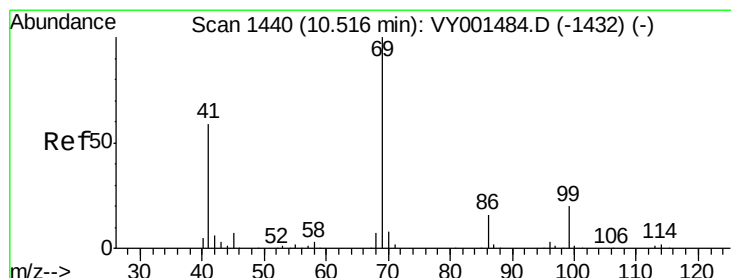
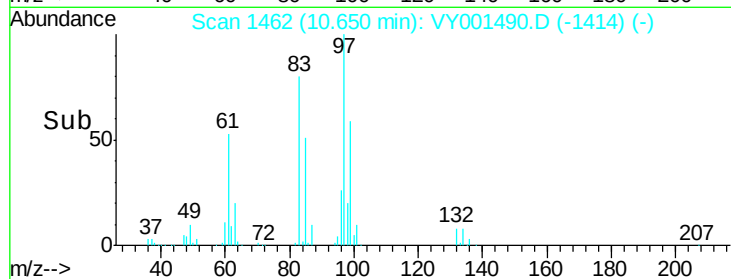
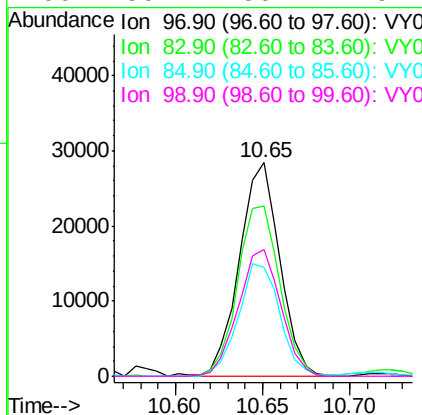
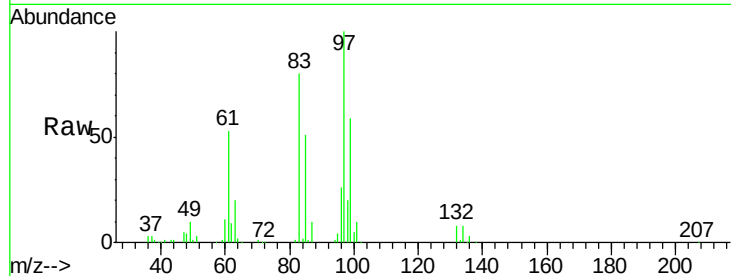
#55
 1,1,2-Trichloroethane
 Concen: 21.312 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion:	97	Resp:	45970
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.2	99.2
85	51.0	43.8	65.6
99	59.4	50.1	75.1

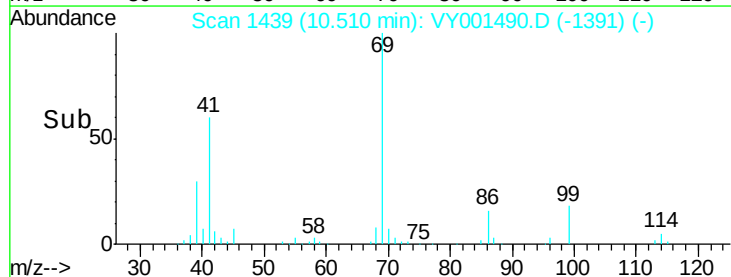
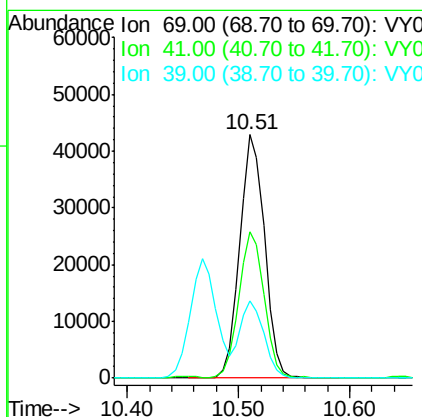
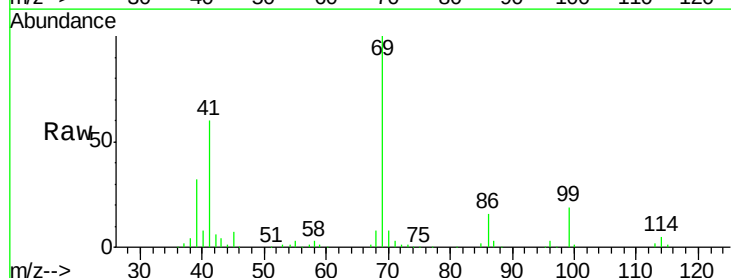
Manual Integrations
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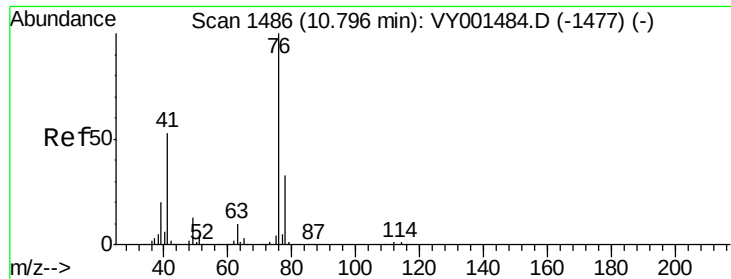
MMDadoda
 2/5/2020 12:23:59 PM



#56
 Ethyl methacrylate
 Concen: 21.709 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion:	69	Resp:	66601
Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.8	71.8
39	30.3	24.4	36.6





#57

1,3-Dichloropropane

Concen: 20.831 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 76 Resp: 79204

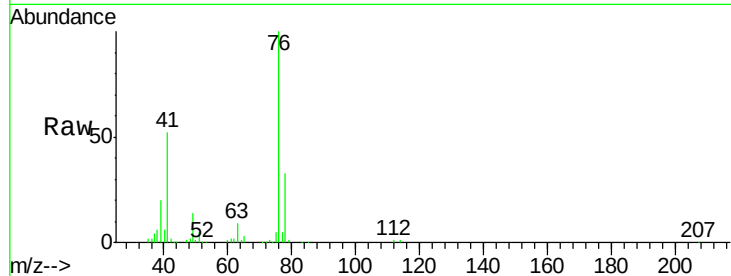
Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

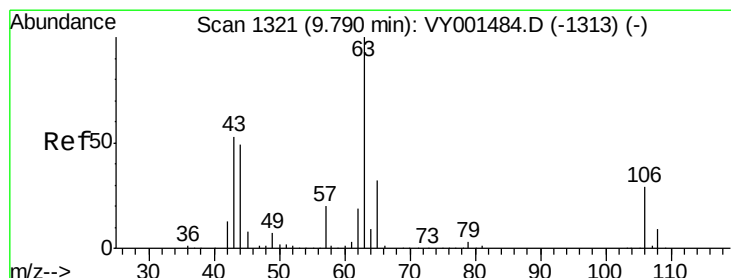
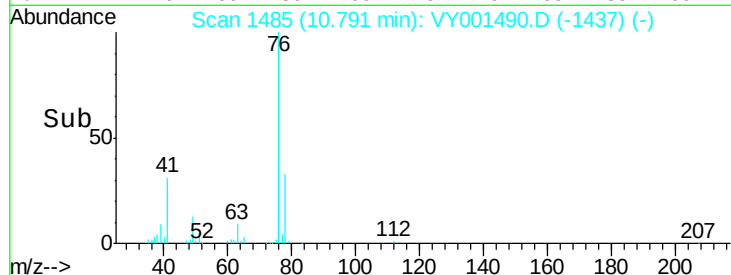
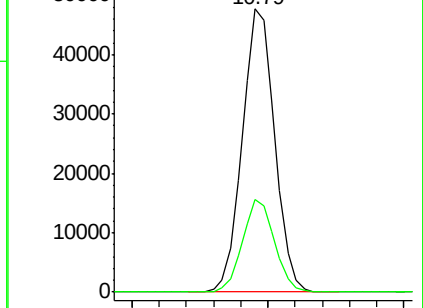
Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 101.070 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY001490.D

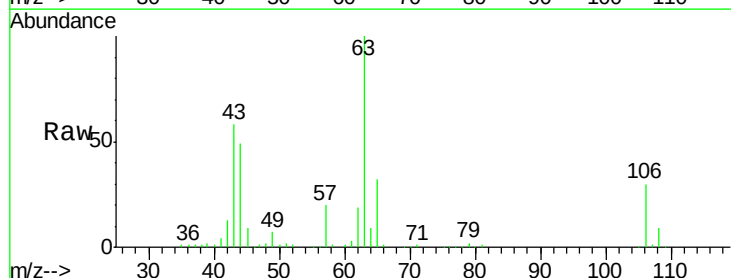
Acq: 04 Feb 2020 16:37

Tgt Ion: 63 Resp: 114068

Ion Ratio Lower Upper

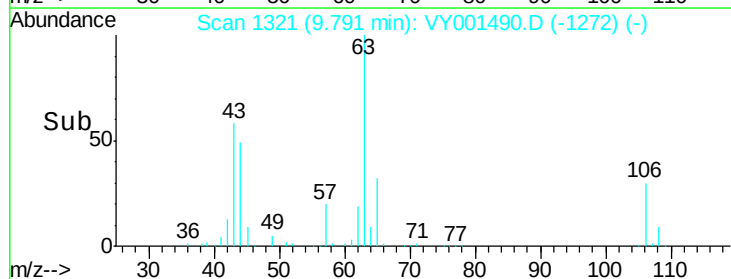
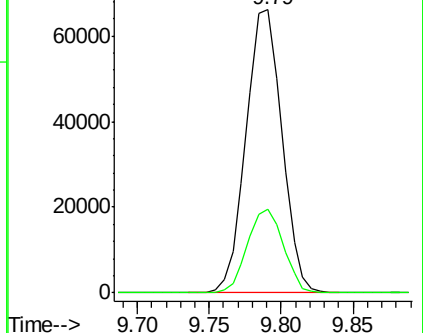
63 100

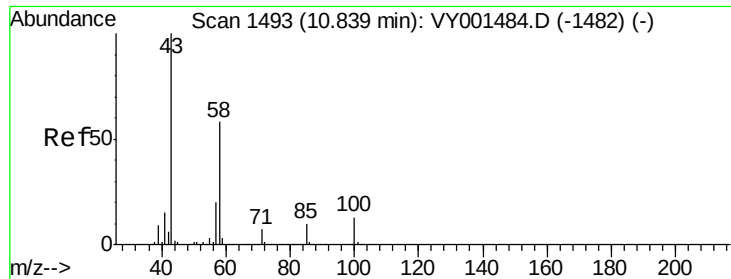
106 29.7 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





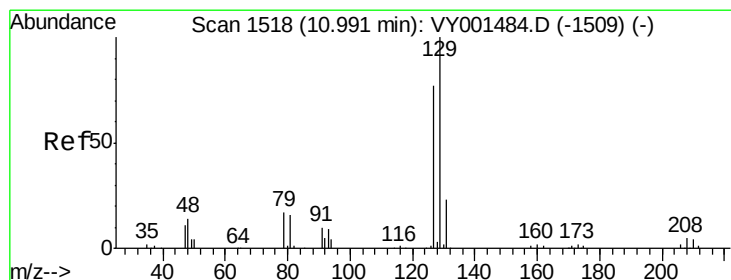
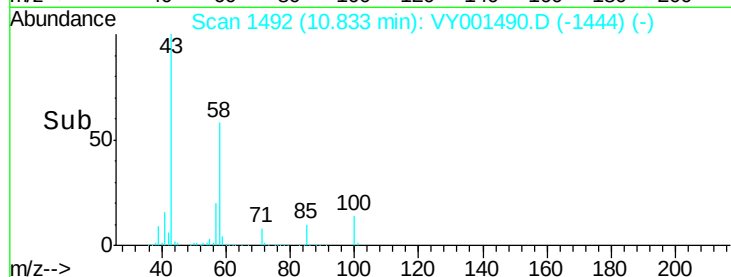
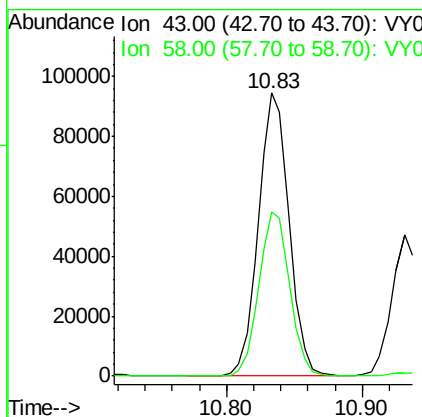
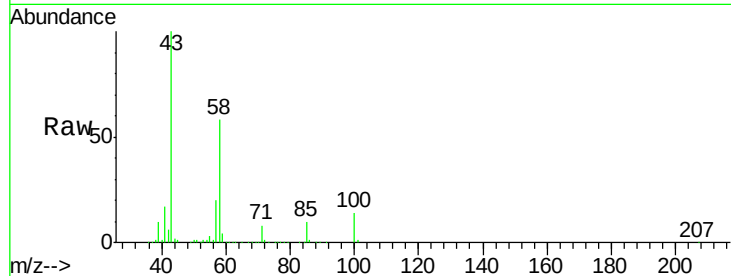
#59
2-Hexanone
Concen: 112.087 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion: 43 Resp: 149532
Ion Ratio Lower Upper
43 100
58 58.6 29.0 87.0

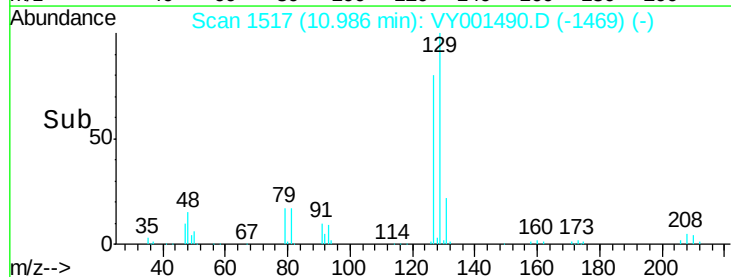
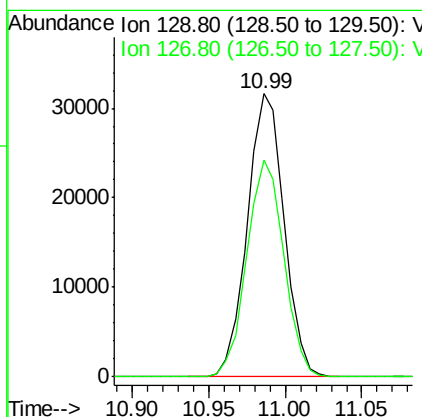
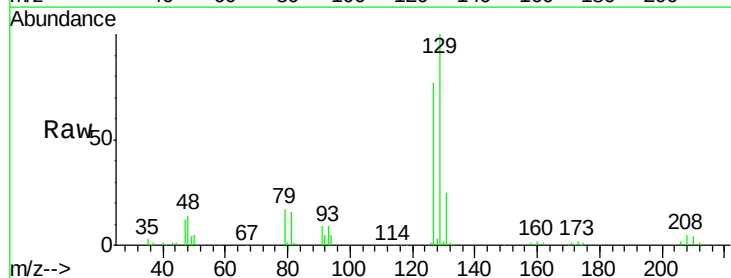
Manual Integrations
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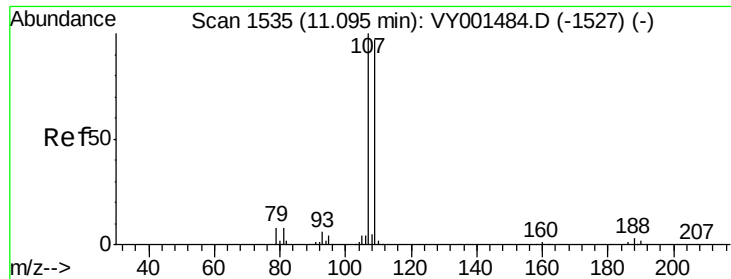
MMDadoda
2/5/2020 12:23:59 PM



#60
Dibromochloromethane
Concen: 20.794 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion: 129 Resp: 52868
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





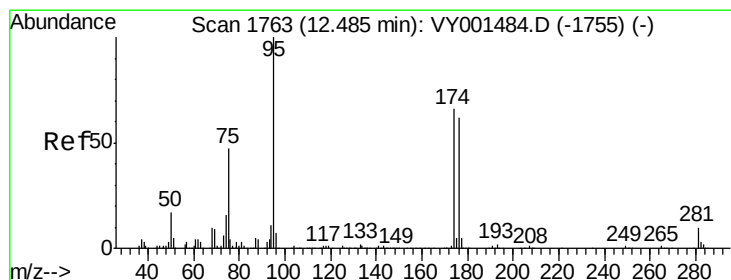
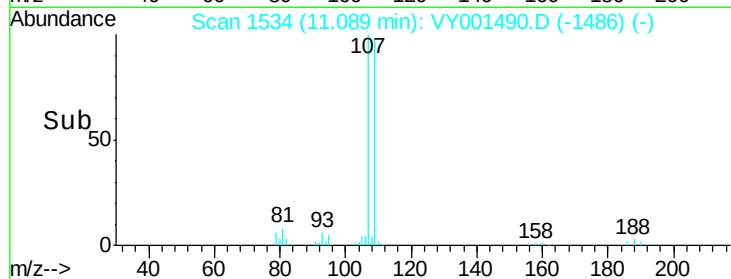
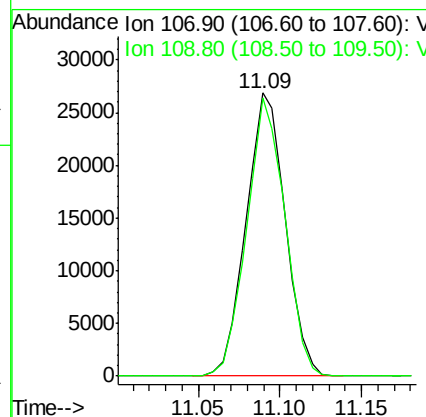
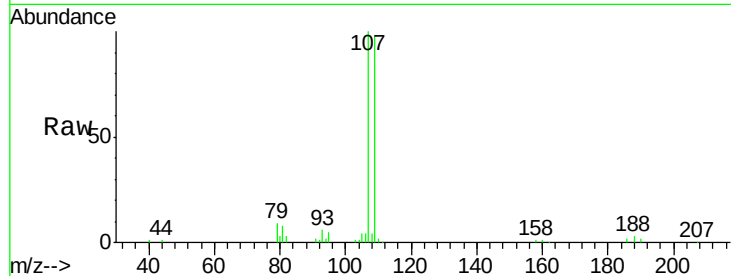
#61
 1,2-Dibromoethane
 Concen: 21.168 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.2	114.2

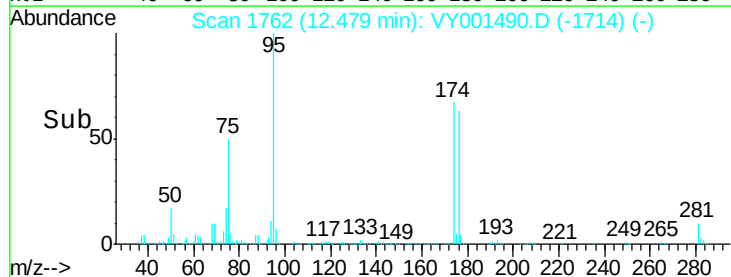
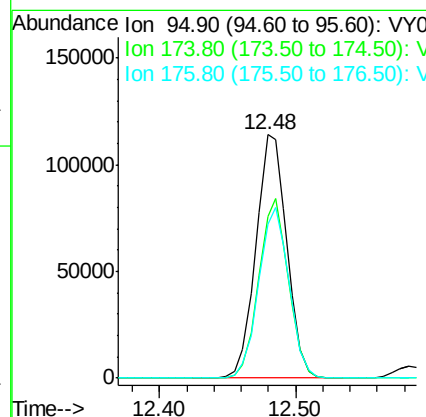
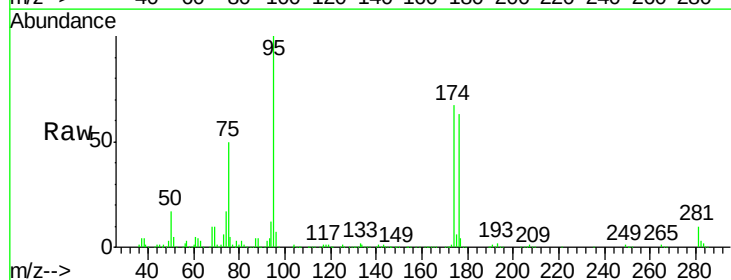
Manual Integrations
 APPROVED

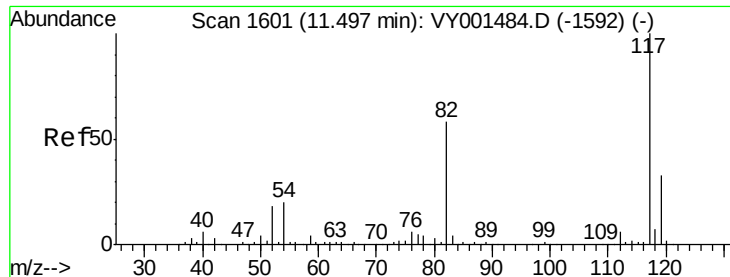
MMDadoda
 2/5/2020 12:23:59 PM



#62
 4-Bromofluorobenzene
 Concen: 49.761 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.4
176	68.9	0.0	135.4





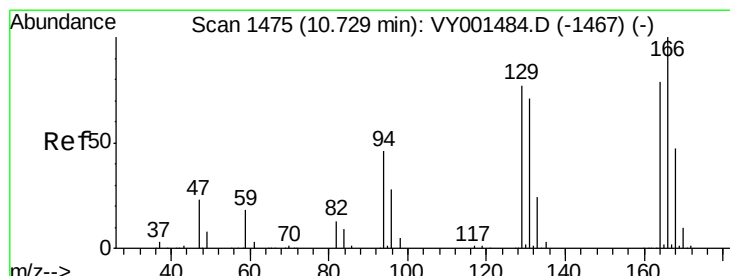
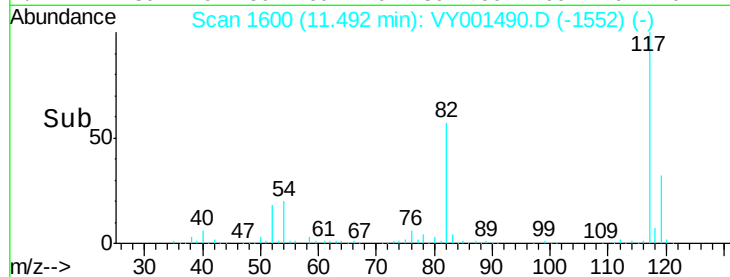
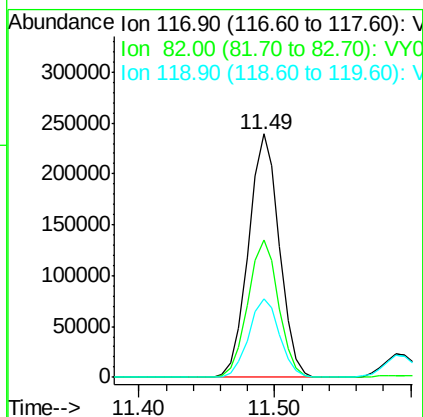
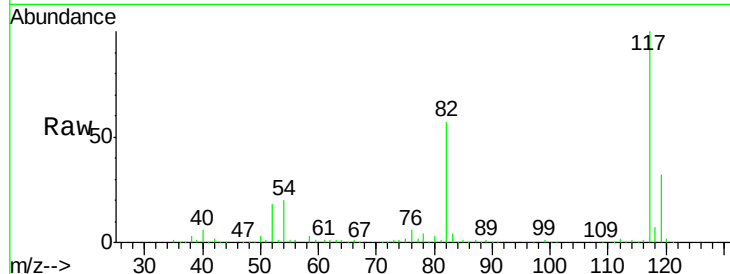
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.1	69.1
119	32.2	26.1	39.1

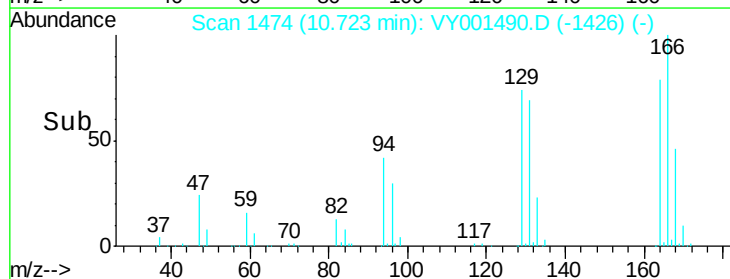
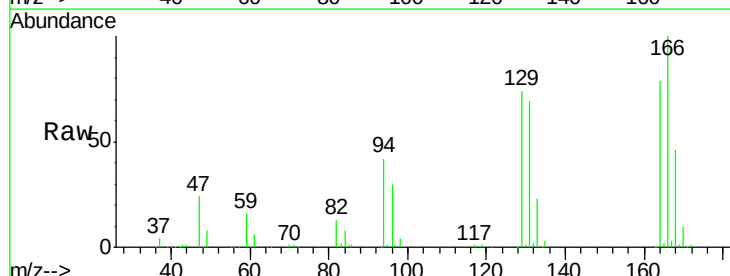
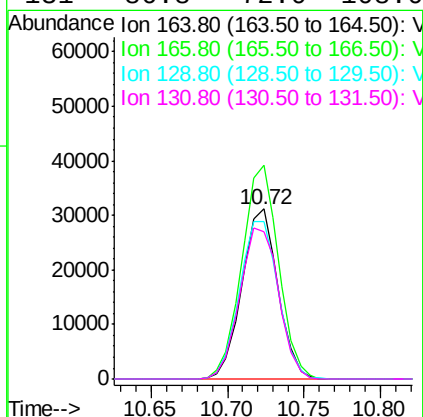
Manual Integrations
APPROVED

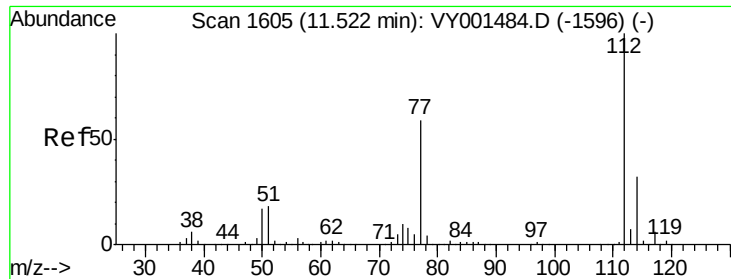
MMDadoda
2/5/2020 12:23:59 PM



#64
Tetrachloroethene
Concen: 20.464 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.8	151.2
129	92.6	77.8	116.6
131	86.8	72.0	108.0





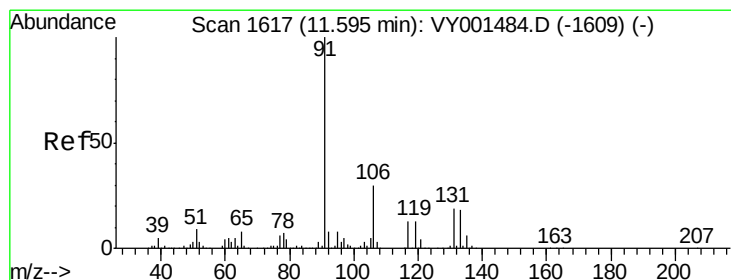
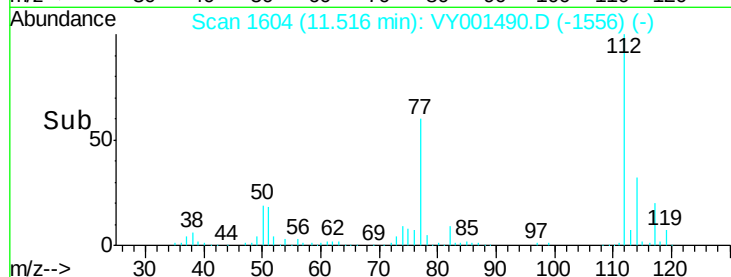
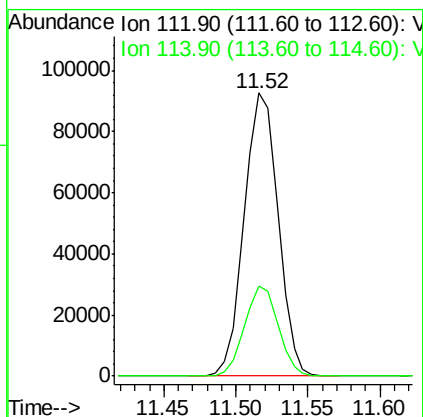
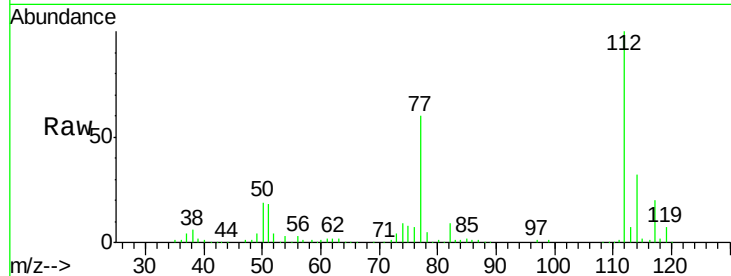
#65
Chlorobenzene
Concen: 20.287 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion:112 Resp: 151044
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

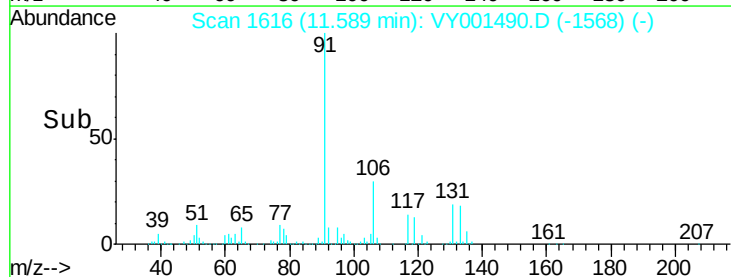
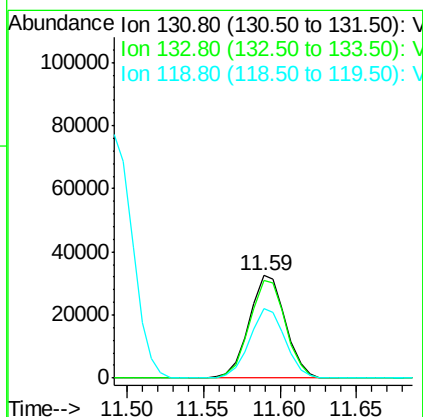
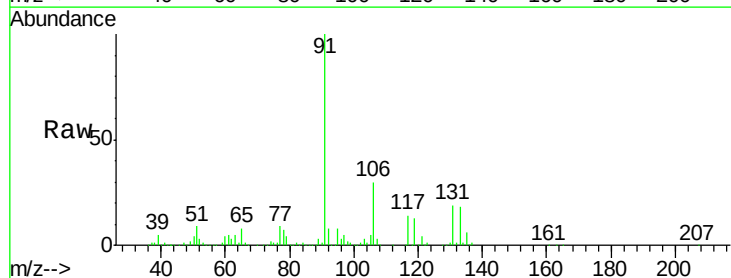
Manual Integrations
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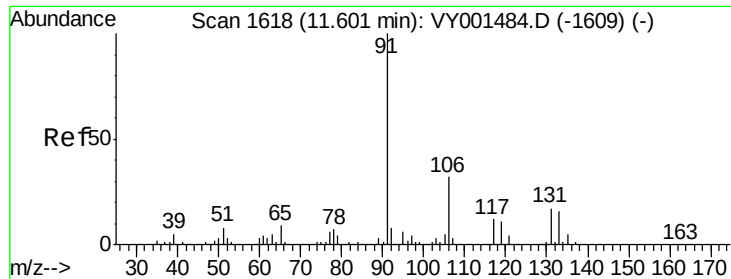
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.515 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion:131 Resp: 53459
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 66.6 33.7 101.0





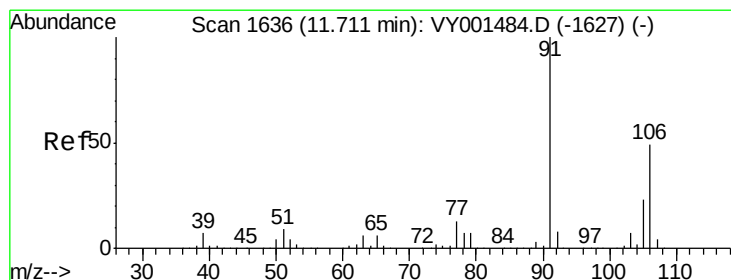
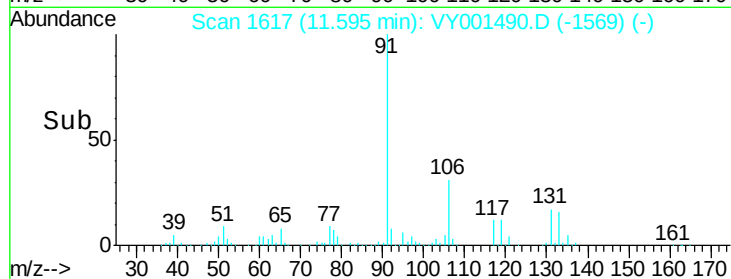
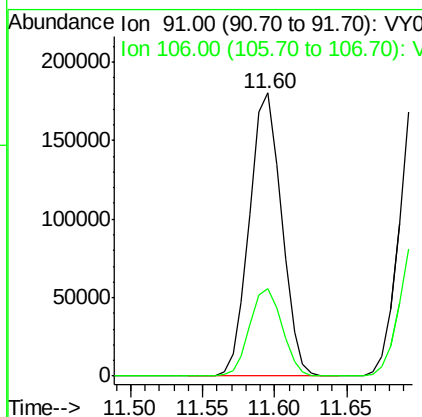
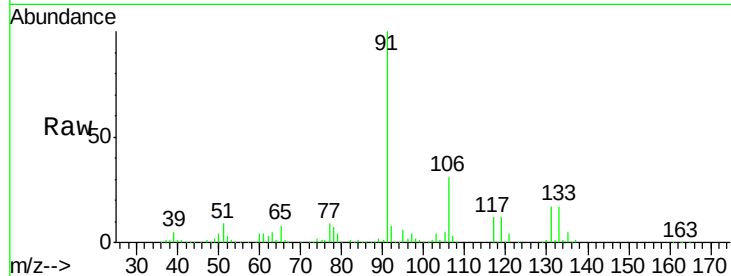
#67
Ethyl Benzene
Concen: 20.296 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9

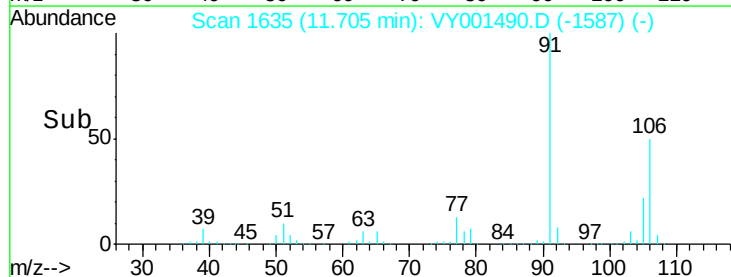
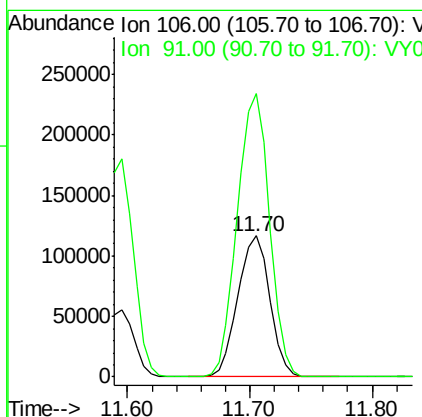
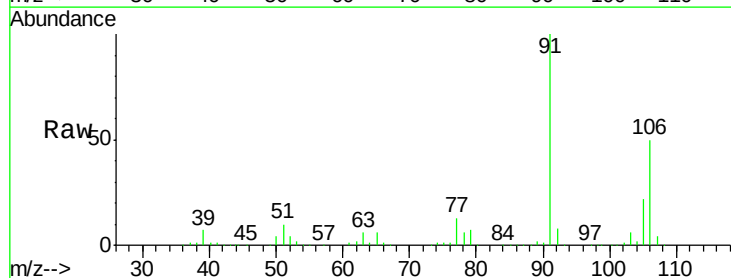
Manual Integrations
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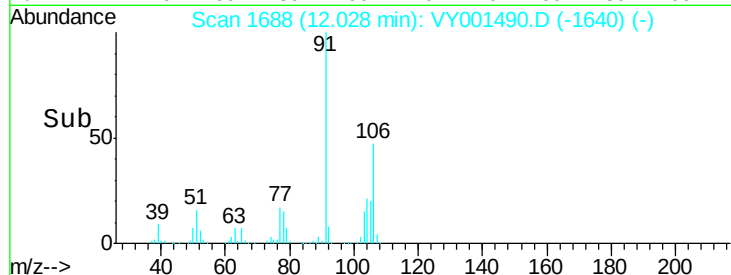
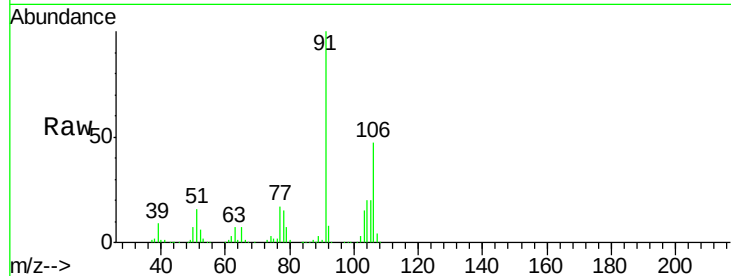
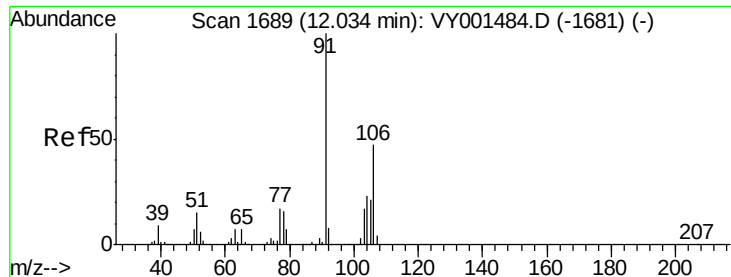
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#68
m/p-Xylenes
Concen: 40.930 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.2	163.6	245.4





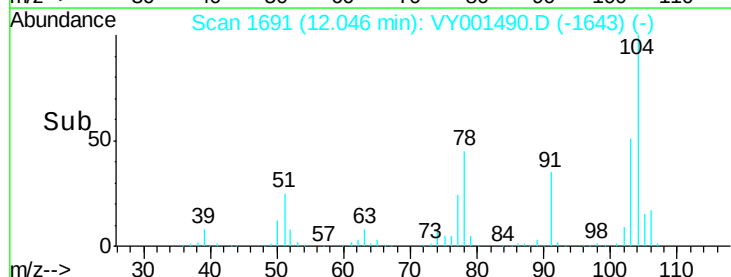
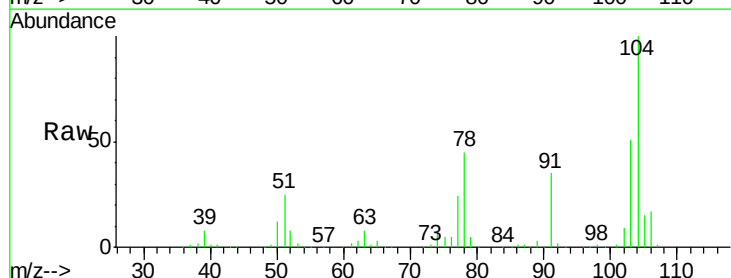
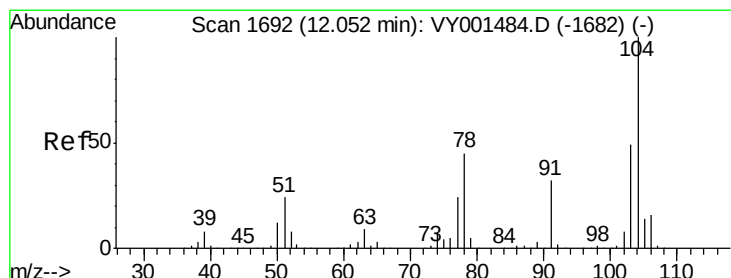
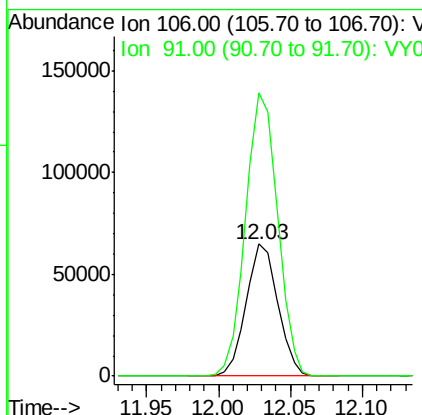
#69
o-Xylene
Concen: 20.306 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tot Ion:106 Resp: 98944
Ion Ratio Lower Upper
106 100
91 217.1 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

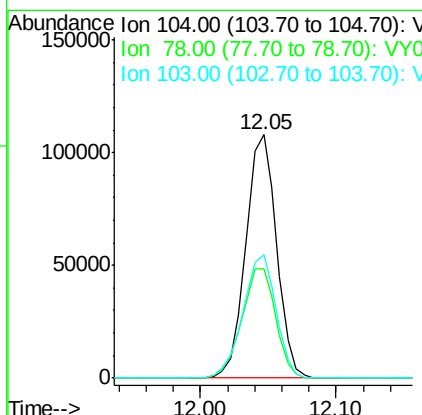
Manual Integrations
APPROVED

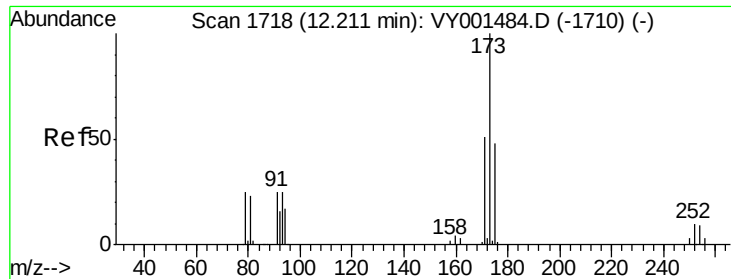
MMDadoda
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#70
Styrene
Concen: 20.281 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion:104 Resp: 170901
Ion Ratio Lower Upper
104 100
78 50.1 40.4 60.6
103 54.2 42.8 64.2





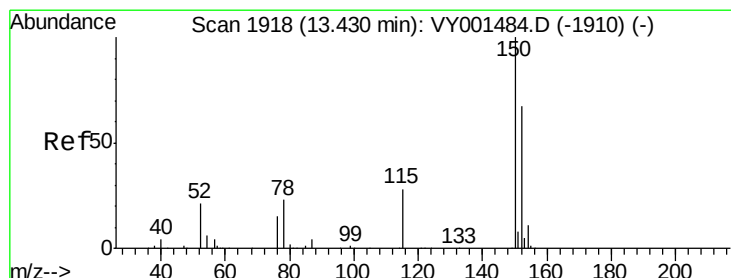
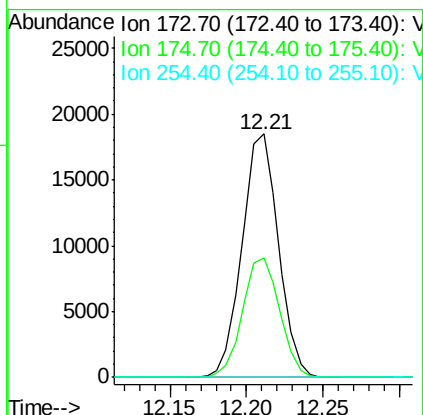
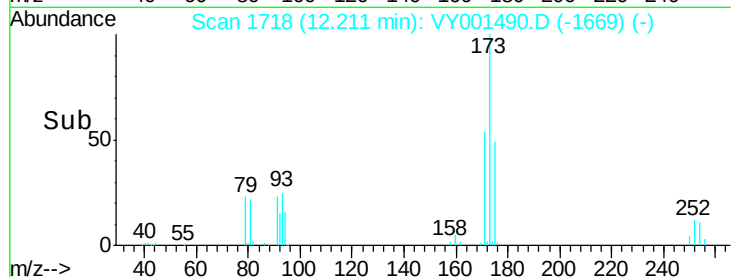
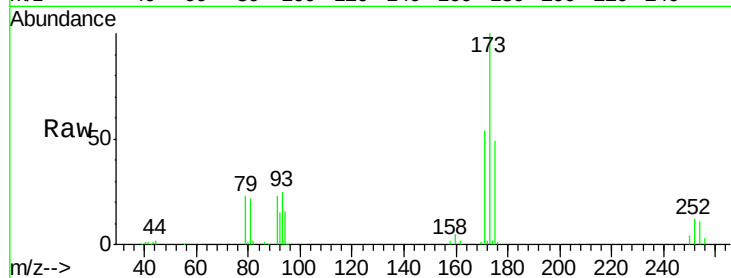
#71
Bromoform
Concen: 21.107 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.0	72.0
254	0.0	0.1	0.1#

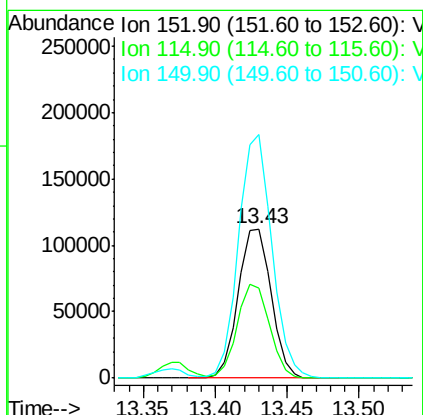
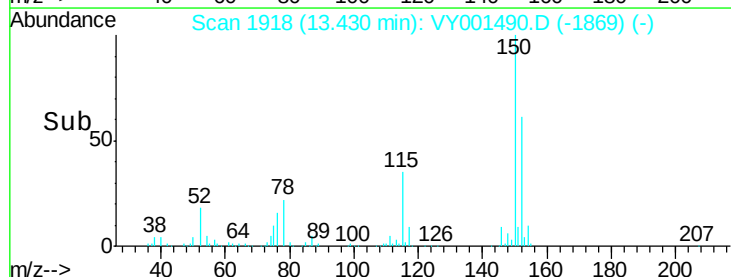
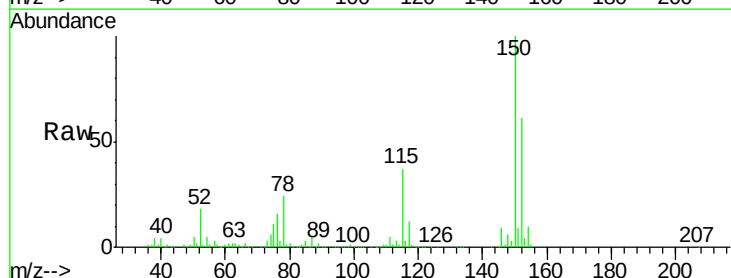
Manual Integrations
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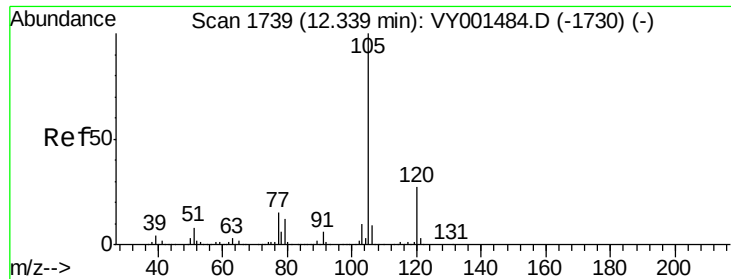
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.4	94.3
150	165.1	0.0	346.8





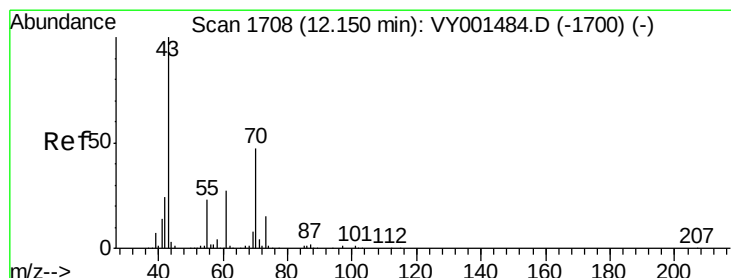
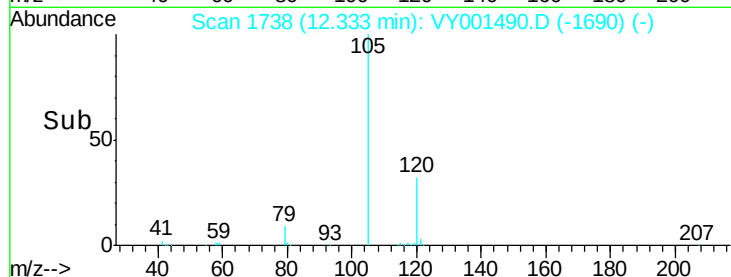
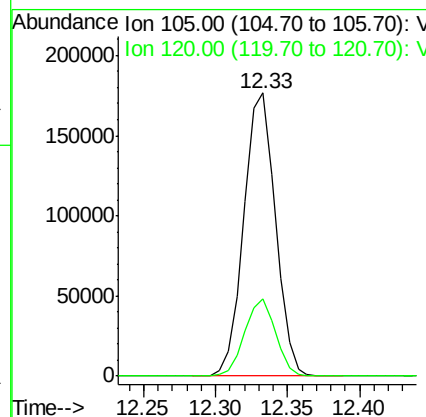
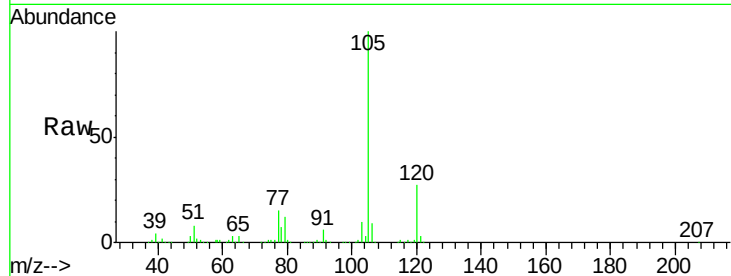
#73
Isopropylbenzene
Concen: 19.694 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

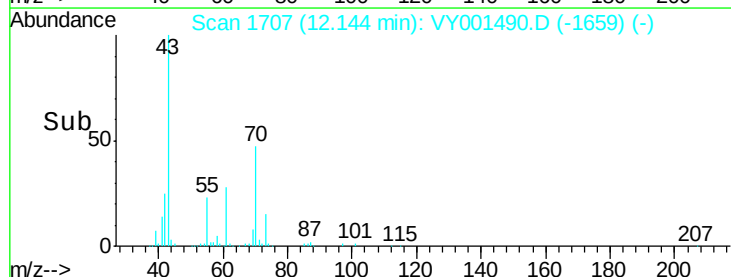
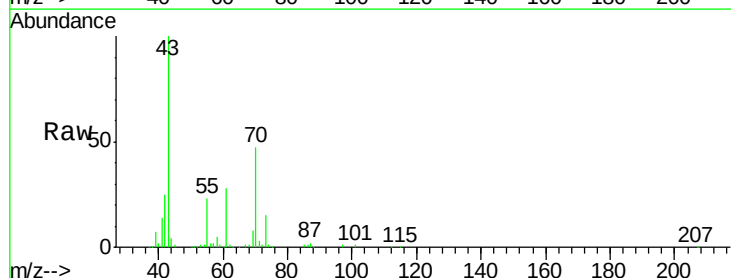
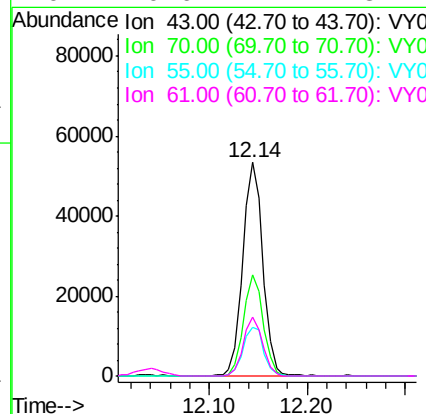
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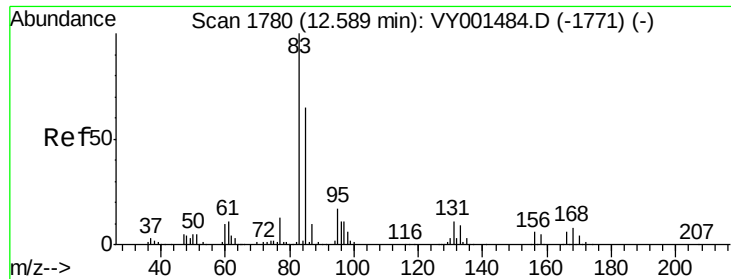
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#74
N-ethyl acetate
Concen: 21.388 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.5	37.2	55.8
55	23.5	18.8	28.2
61	26.6	21.4	32.2





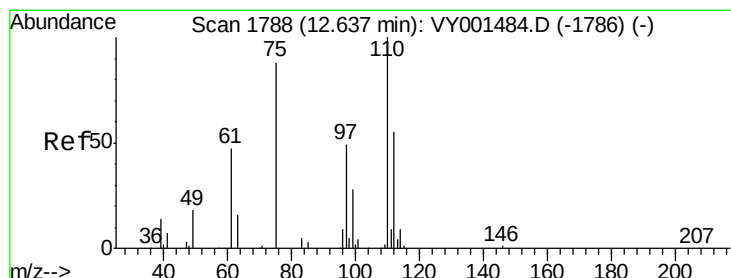
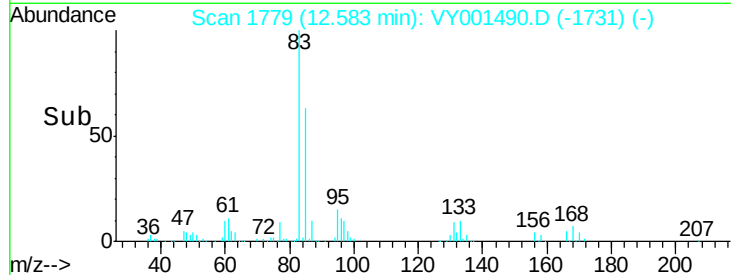
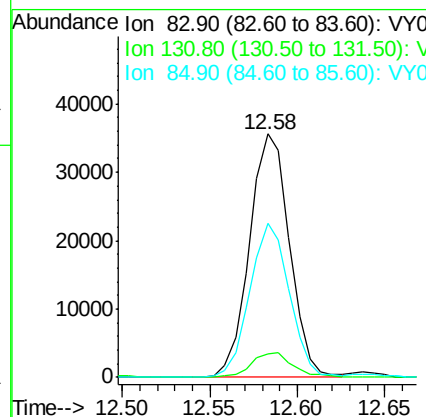
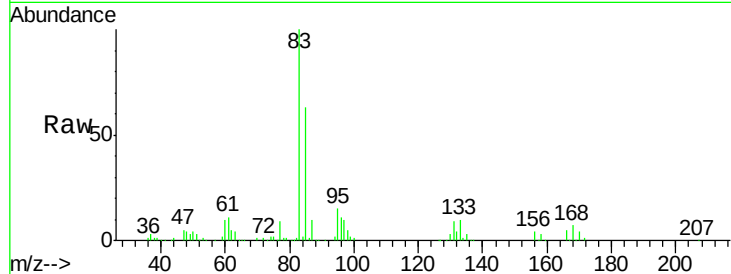
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.796 ug/l
 RT: 12.58 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	83	Resp	56593
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	62.7	32.0	96.0

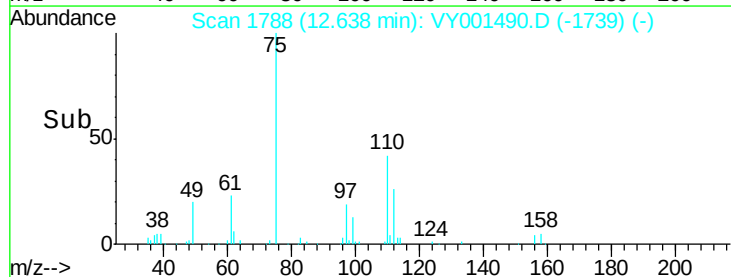
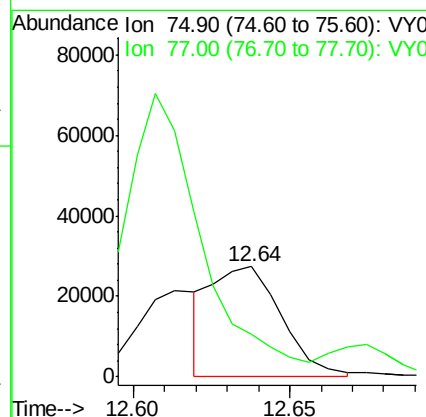
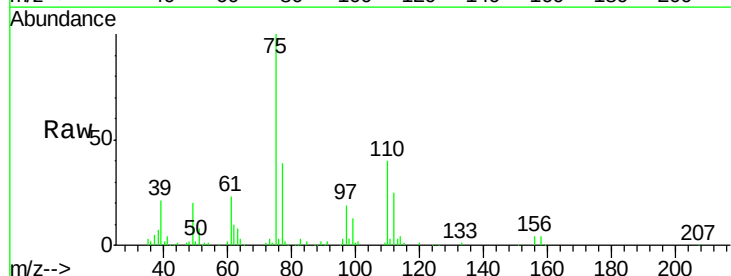
Manual Integrations
 APPROVED

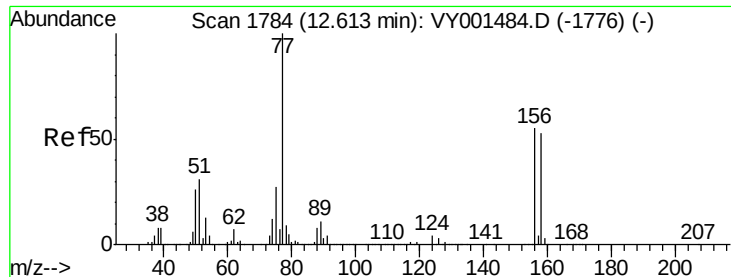
MMDadoda
 2/5/2020 12:23:59 PM



#76
 1,2,3-Trichloropropane
 Concen: 22.006 ug/l m
 RT: 12.64 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	75	Resp	42404
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.322 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

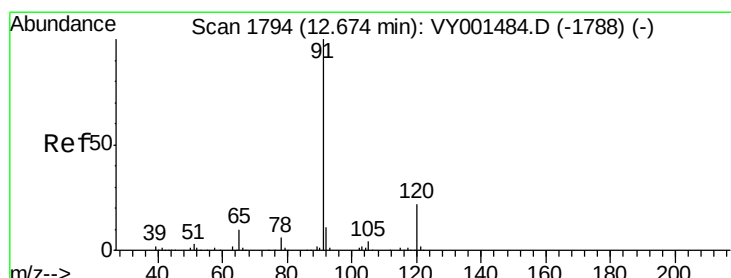
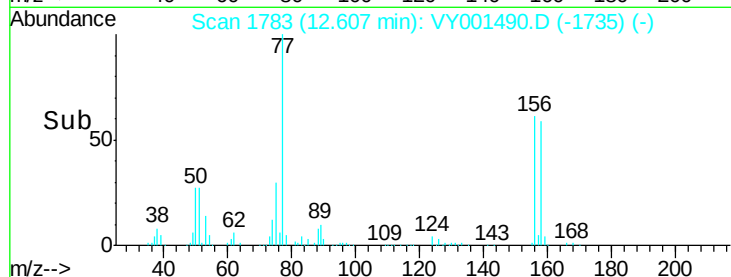
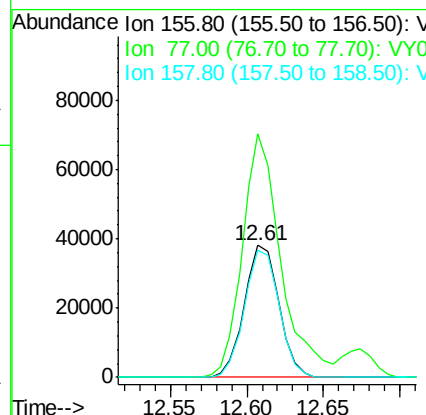
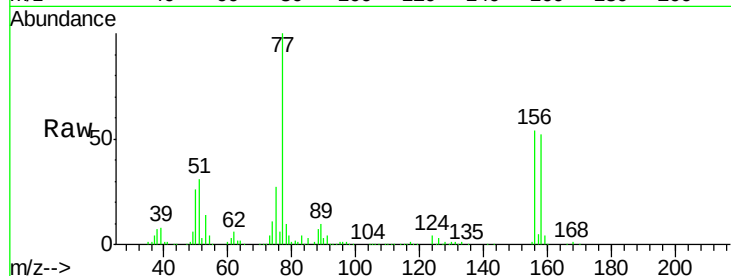
ClientSampleId :

VY0204SBS01

Tot Ion:	156	Resp:	60102
Ion Ratio	Lower	Upper	
156	100		
77	204.5	99.8	299.3
158	96.6	47.5	142.6

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#78

n-propylbenzene

Concen: 19.943 ug/l

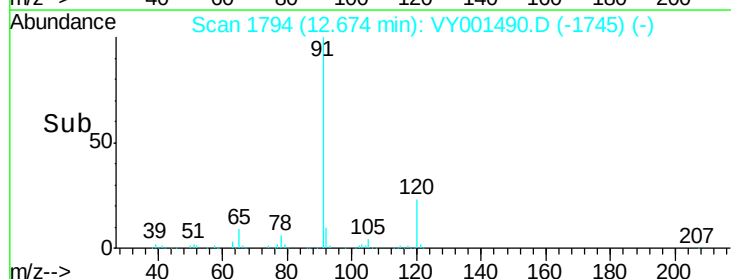
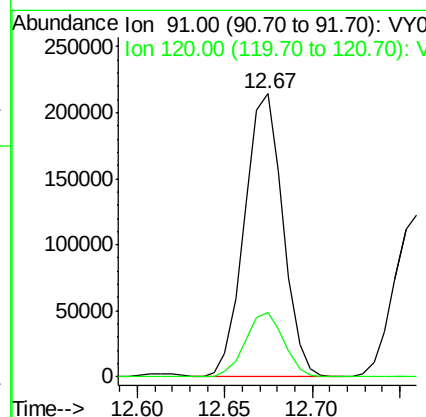
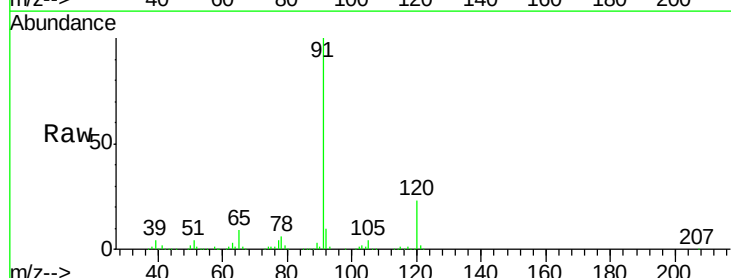
RT: 12.67 min Scan# 1794

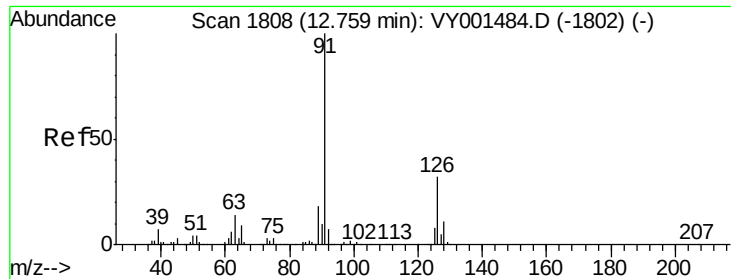
Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion:	91	Resp:	326286
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.042 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion: 91 Resp: 186912

Ion Ratio Lower Upper

91 100

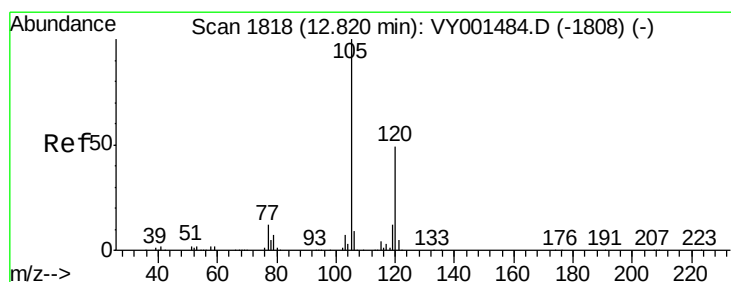
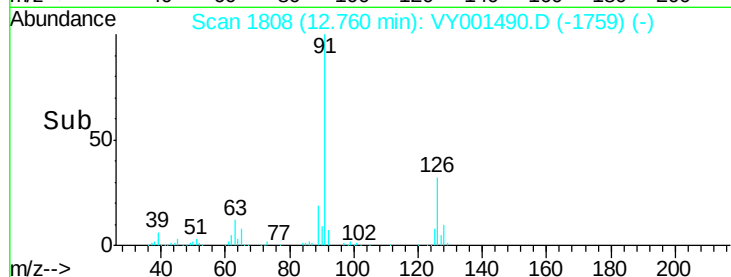
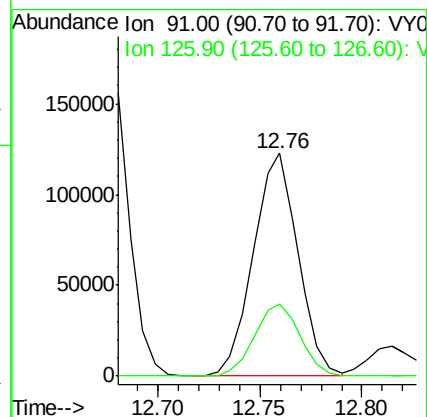
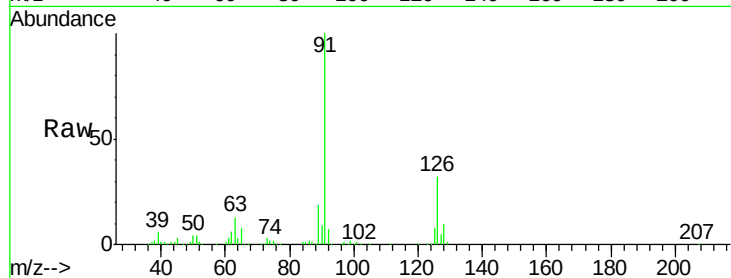
126 32.9 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.984 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001490.D

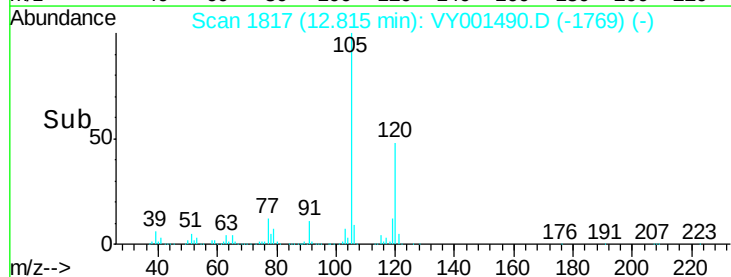
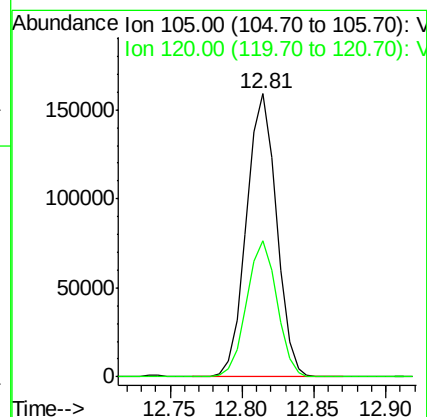
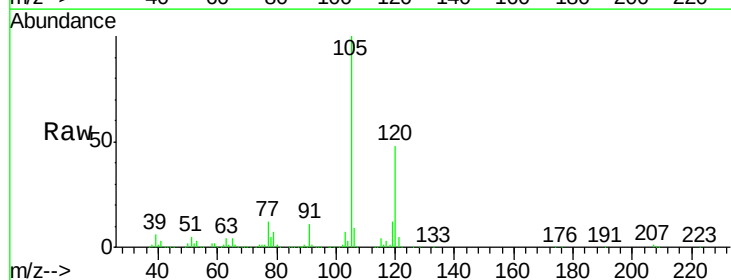
Acq: 04 Feb 2020 16:37

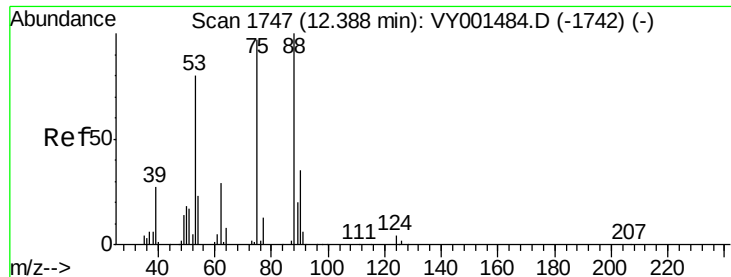
Tgt Ion: 105 Resp: 229997

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.738 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

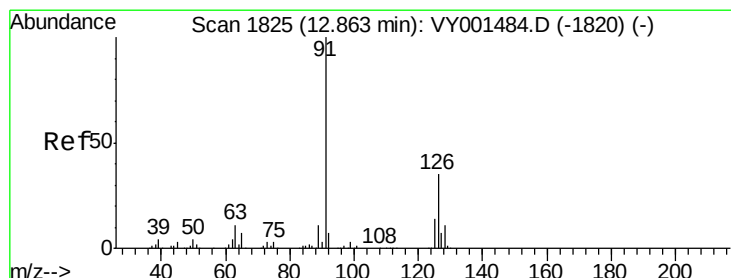
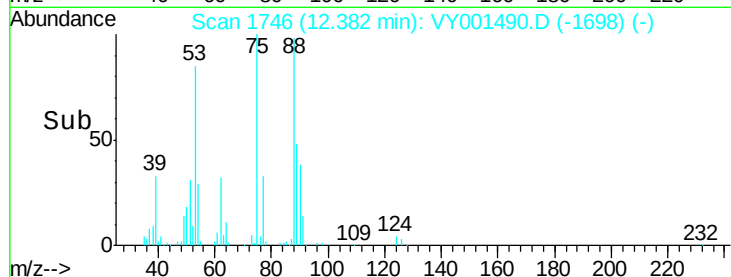
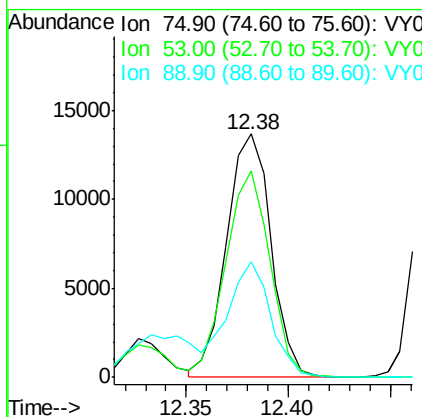
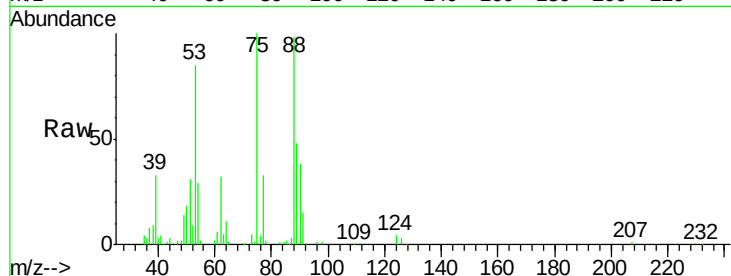
ClientSampleId :

VY0204SBS01

Tot Ion:	75	Resp:	20652
Ion	Ratio	Lower	Upper
75	100		
53	84.4	67.7	101.5
89	46.5	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.975 ug/l

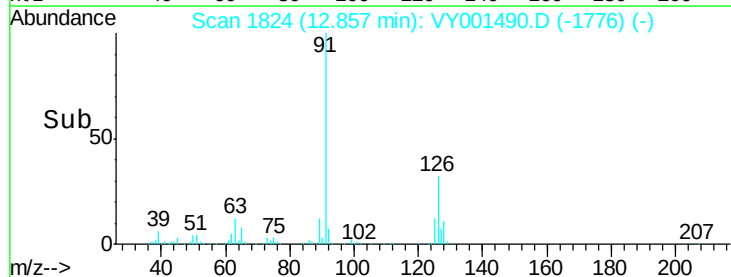
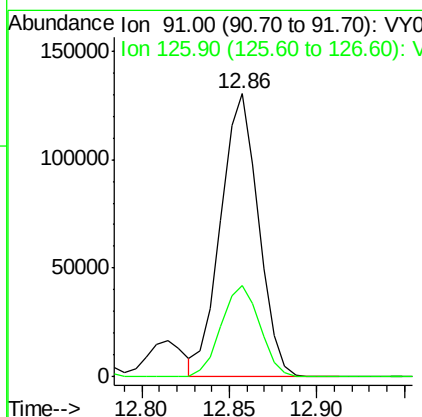
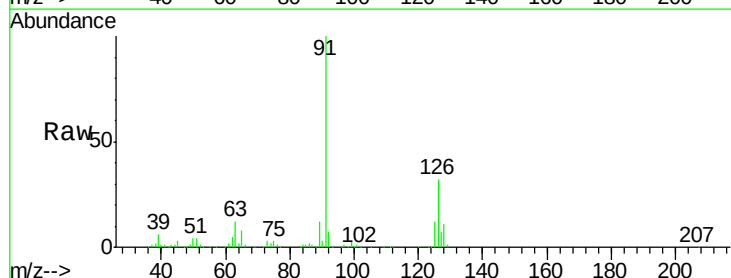
RT: 12.86 min Scan# 1824

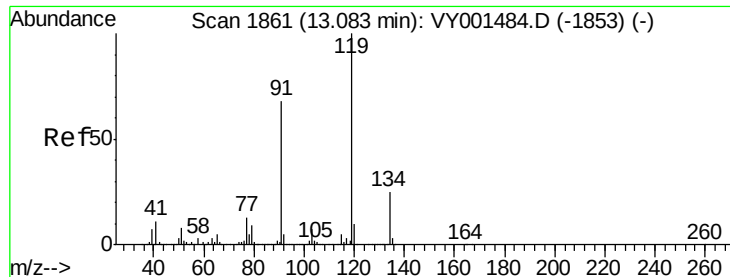
Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Tgt Ion:	91	Resp:	195307
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





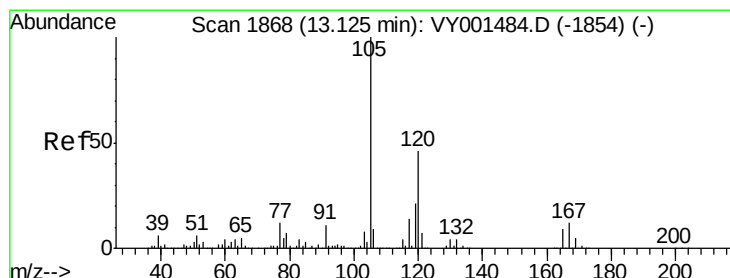
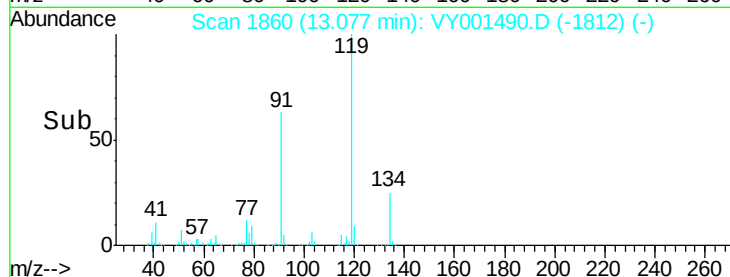
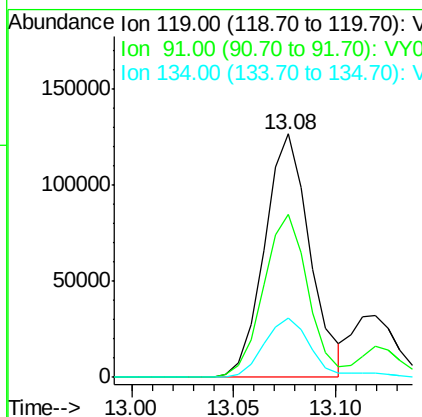
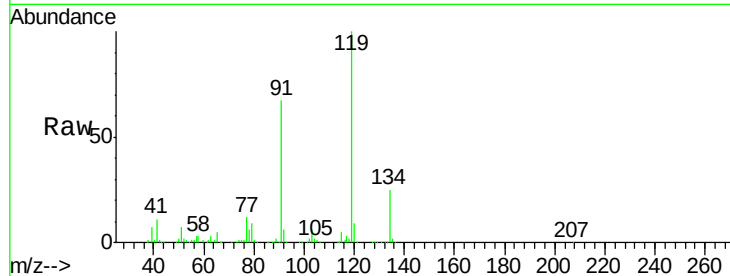
#83
 tert-Butylbenzene
 Concen: 20.162 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.1	99.3
134	26.1	13.0	39.0

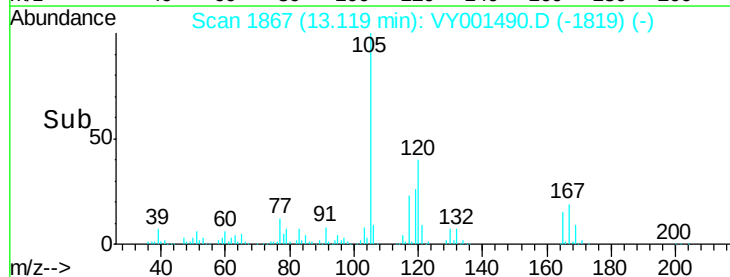
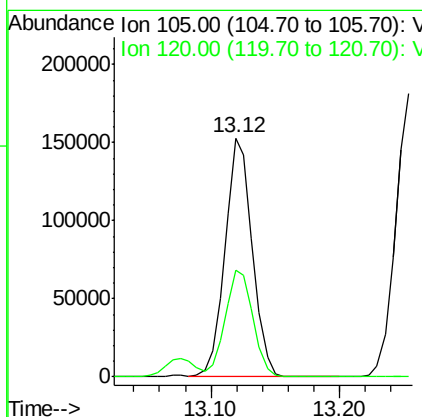
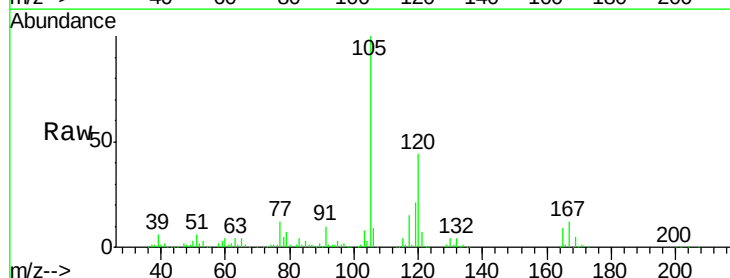
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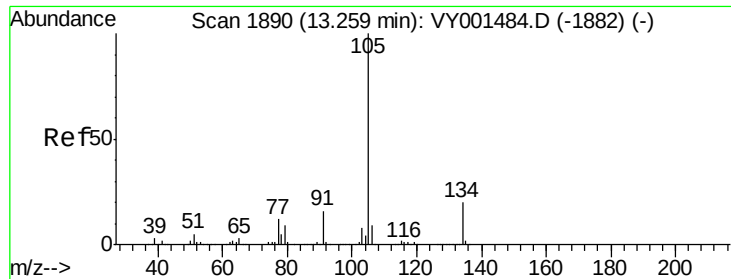
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 2/5/2020 12:23:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.820 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.009 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tot Ion:105 Resp: 273677

Ion Ratio Lower Upper

105 100

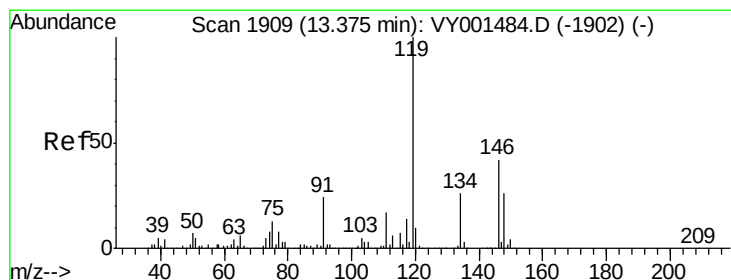
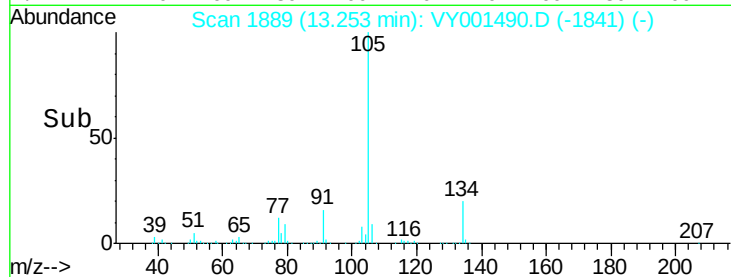
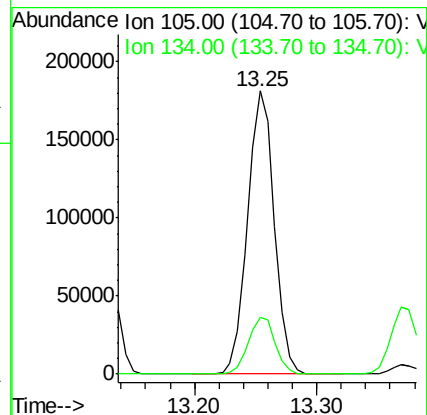
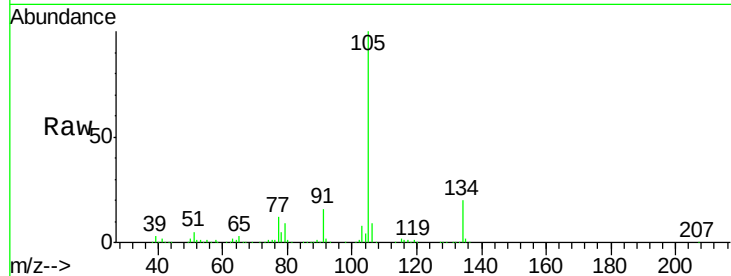
134 20.5 10.0 29.8

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2/5/2020 12:23:59 PM



#86

p-Isopropyltoluene

Concen: 20.268 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001490.D

Acq: 04 Feb 2020 16:37

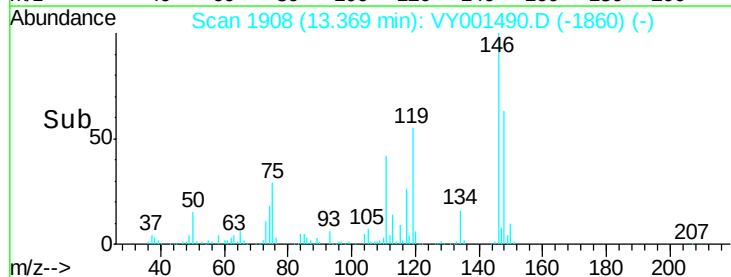
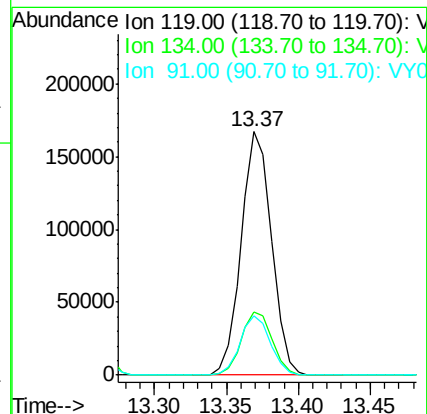
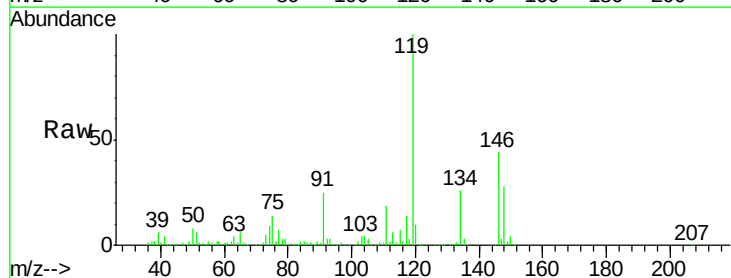
Tgt Ion:119 Resp: 244298

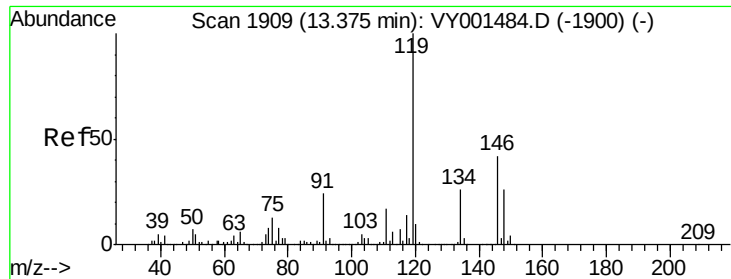
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.1 12.2 36.6





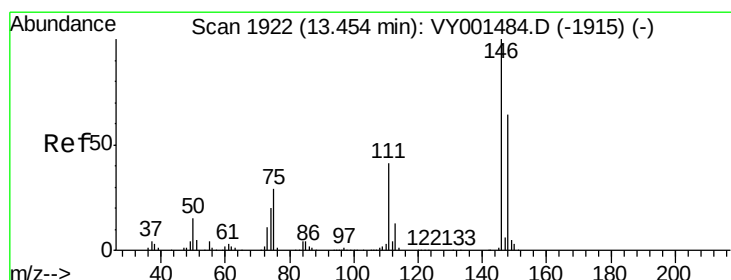
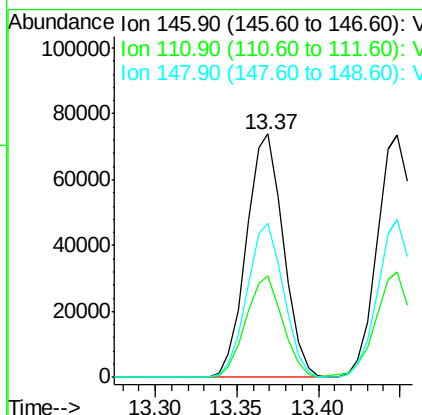
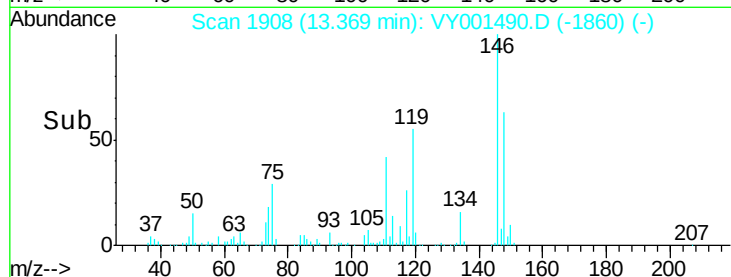
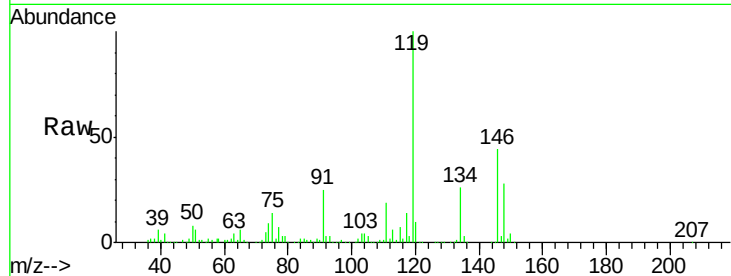
#87
 1,3-Dichlorobenzene
 Concen: 20.526 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	116339		
111	41.6	21.3	63.9	
148	63.0	31.9	95.7	

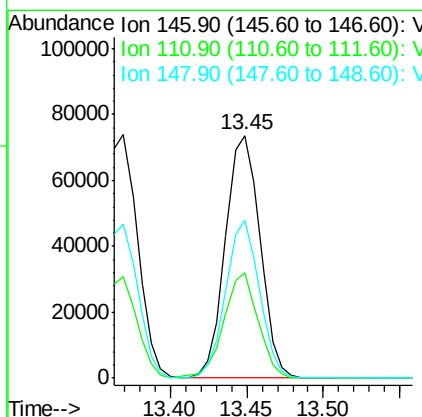
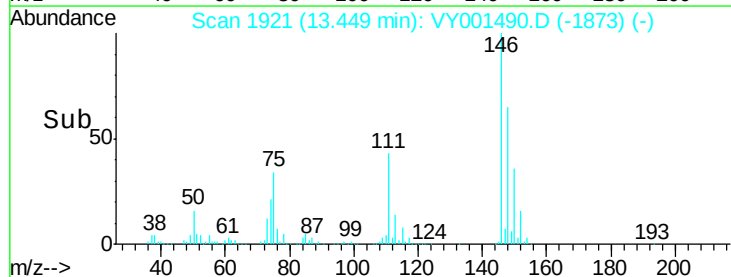
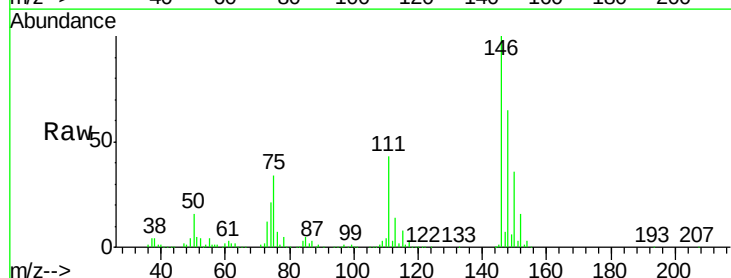
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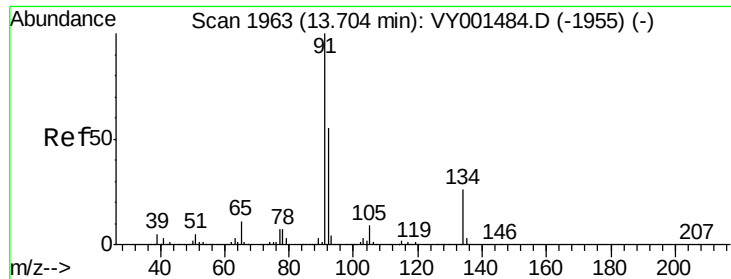
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#88
 1,4-Dichlorobenzene
 Concen: 20.387 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115762		
111	42.8	20.7	62.1	
148	63.2	32.1	96.5	





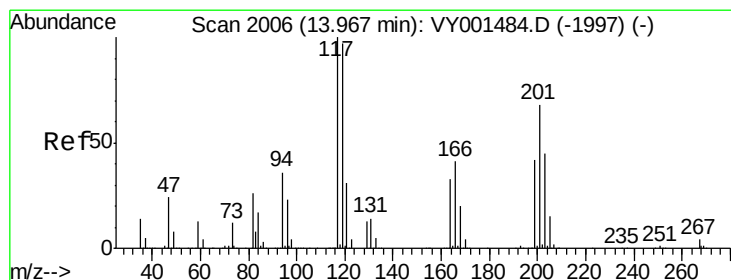
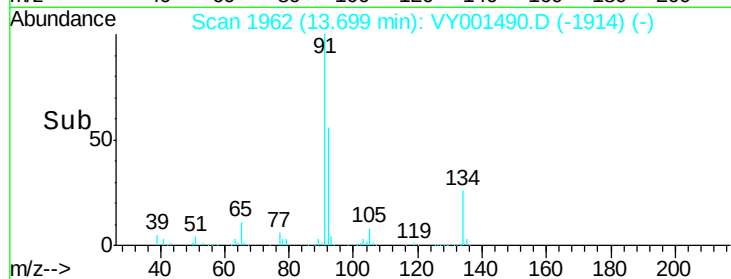
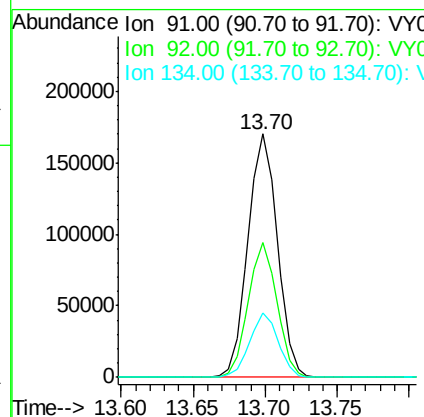
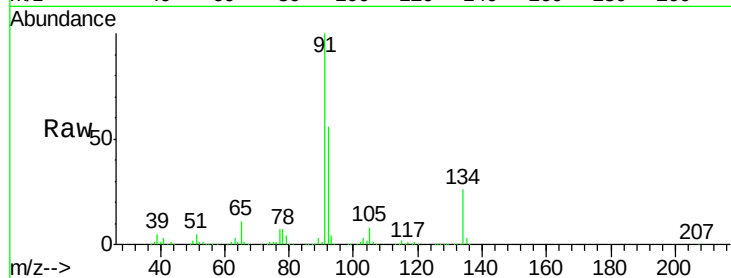
#89
n-Butylbenzene
Concen: 20.236 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	25.8	13.0	38.9

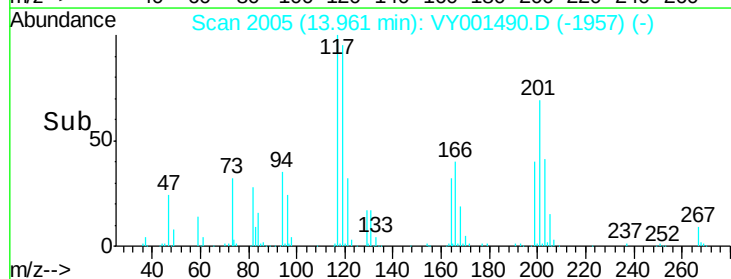
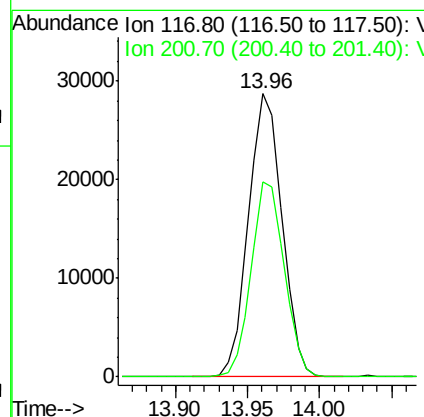
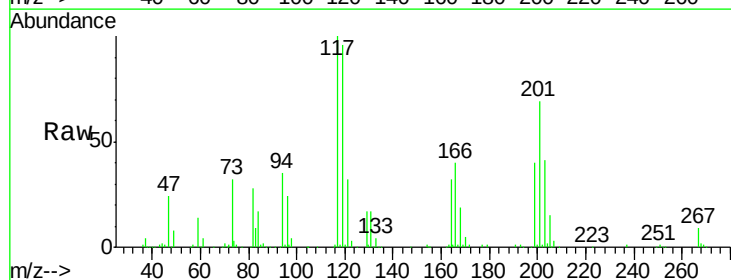
Manual Integrations
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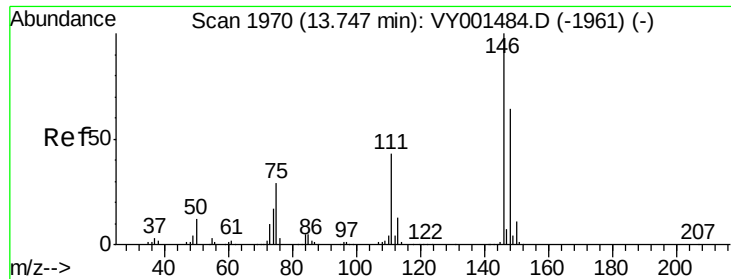
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#90
Hexachloroethane
Concen: 20.002 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.1	102.3





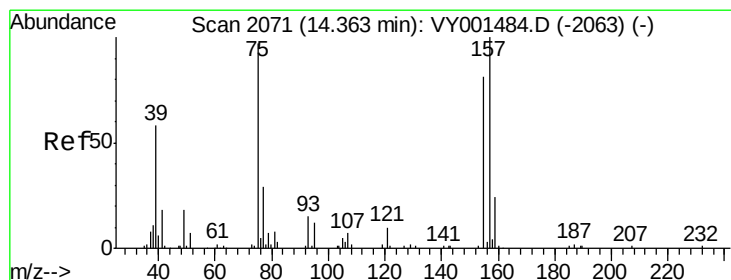
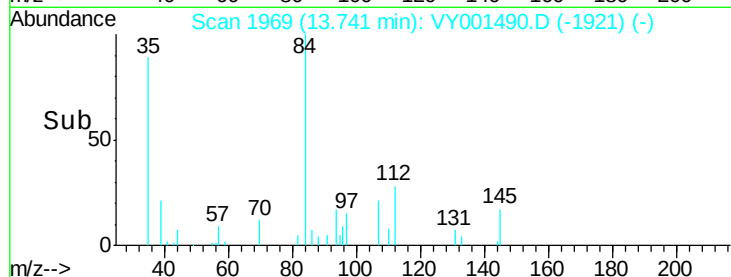
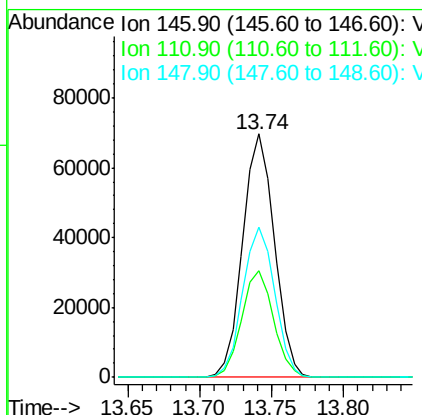
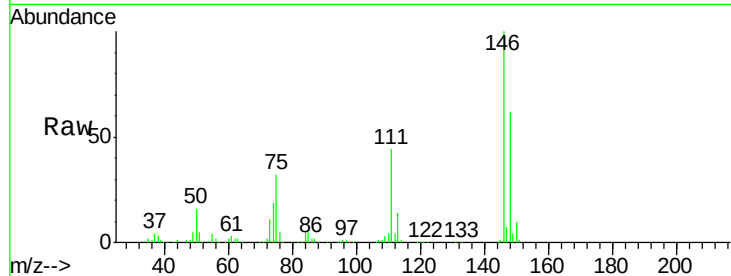
#91
1,2-Dichlorobenzene
Concen: 20.675 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106196		
111	43.9	21.9	65.8	
148	62.5	31.8	95.3	

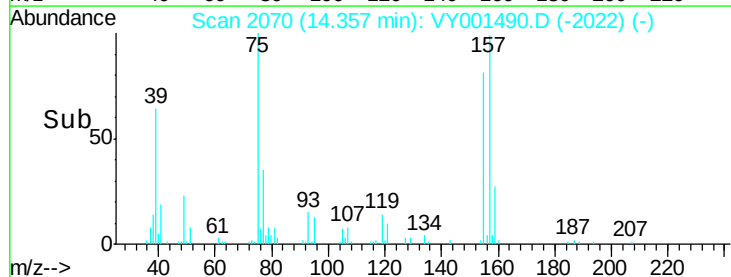
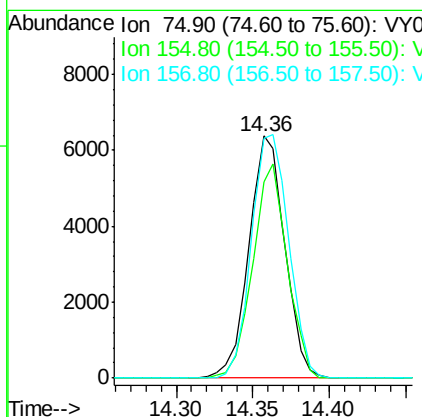
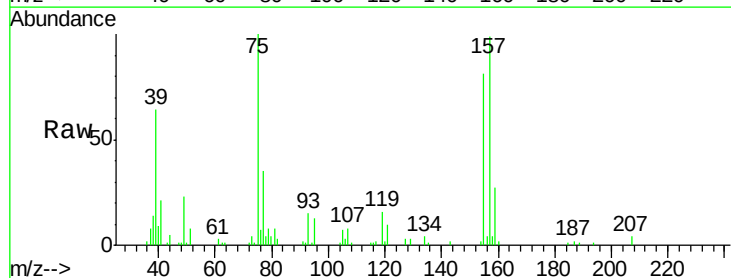
Manual Integrations
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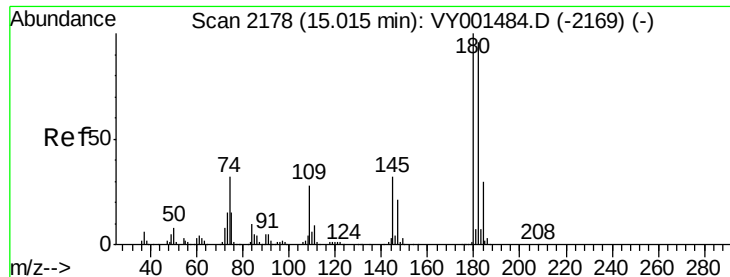
MMDadoda
2/5/2020 12:23:59 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.724 ug/l
RT: 14.36 min Scan# 2070
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10413		
155	85.0	40.7	122.1	
157	104.4	52.3	157.1	





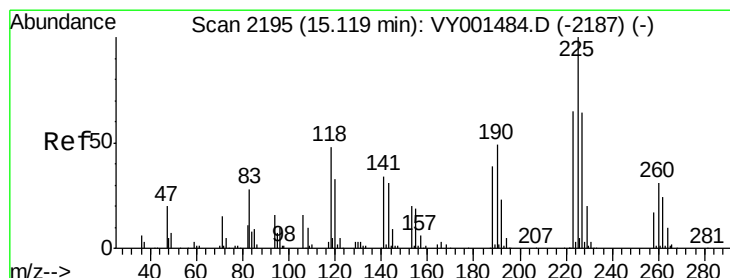
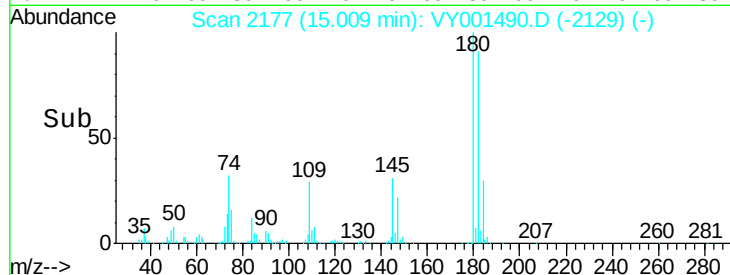
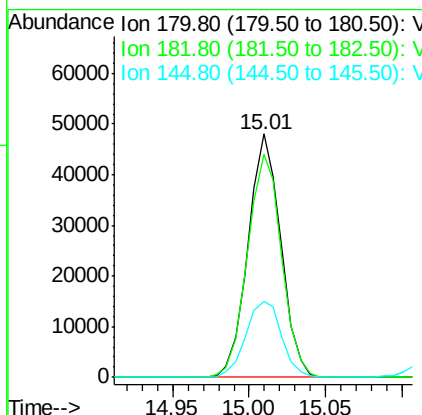
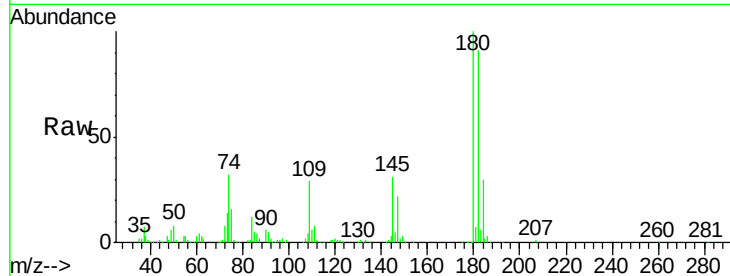
#93
 1,2,4-Trichlorobenzene
 Concen: 20.630 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.7
145	34.1	16.8	50.3

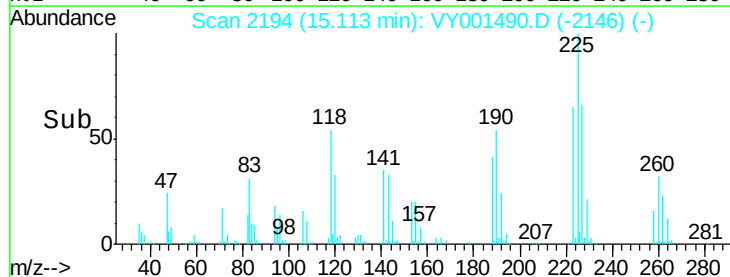
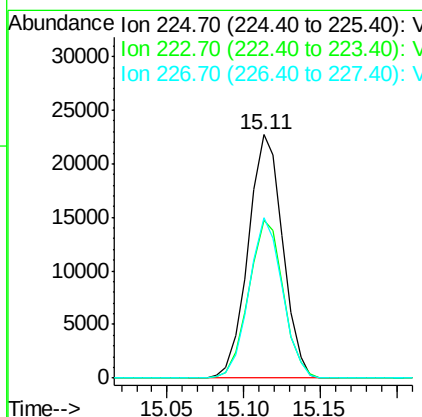
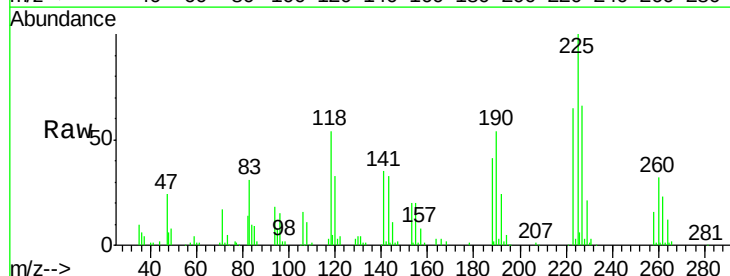
Manual Integrations
 APPROVED

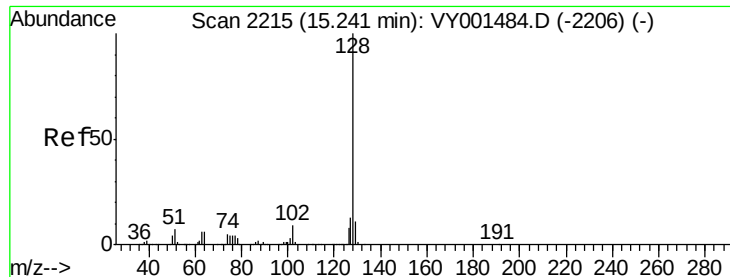
MMDadoda
 2/5/2020 12:23:59 PM



#94
 Hexachlorobutadiene
 Concen: 20.251 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001490.D
 Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.9	95.7
227	64.0	32.6	97.7





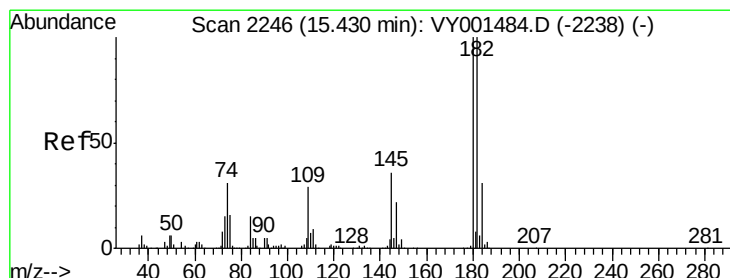
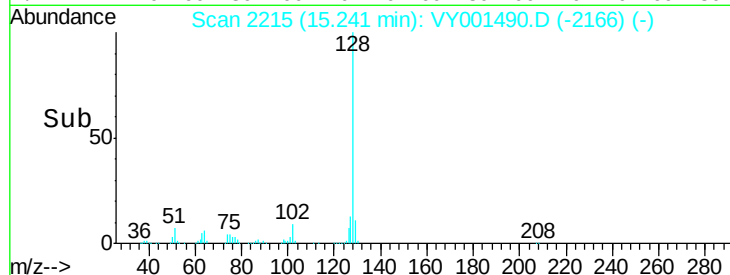
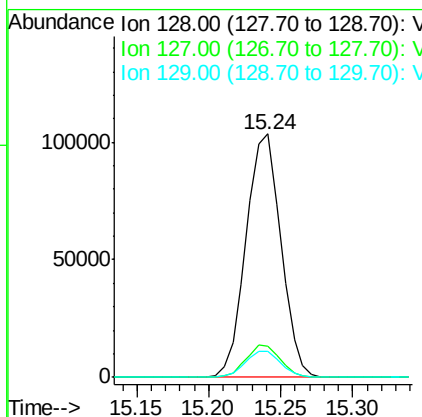
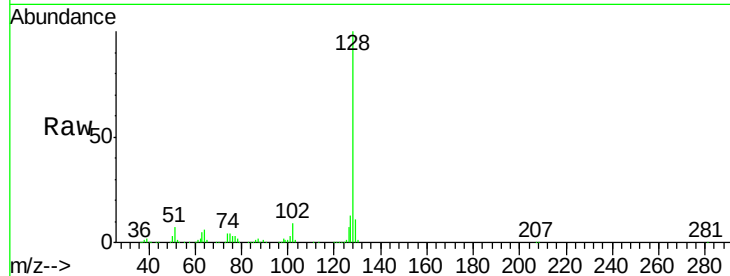
#95
Naphthalene
Concen: 21.316 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:23:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.896 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY001490.D
Acq: 04 Feb 2020 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	36.4	17.8	53.5

