

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001764.D
 Acq On : 24 Feb 2020 11:49
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 10:53:57 AM

Quant Time: Feb 24 14:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	197131	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	354039	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	316935	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	150542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	102031	48.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.73	113	92497	45.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.22%	
50) Toluene-d8	10.18	98	383179	48.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.48	95	137437	44.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34084	17.737	ug/l	99
3) Chloromethane	2.12	50	49718	19.236	ug/l	98
4) Vinyl Chloride	2.26	62	48533	18.617	ug/l	96
5) Bromomethane	2.65	94	31153	19.121	ug/l	99
6) Chloroethane	2.80	64	30792	19.168	ug/l	98
7) Trichlorofluoromethane	3.13	101	65552	19.647	ug/l	100
8) Diethyl Ether	3.54	74	27013	20.537	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43624	20.802	ug/l	97
10) Methyl Iodide	4.10	142	47688	18.580	ug/l	100
11) Tert butyl alcohol	4.97	59	30953	112.028	ug/l	97
12) 1,1-Dichloroethene	3.88	96	42528	19.883	ug/l	94
13) Acrolein	3.74	56	20902	97.603	ug/l	97
14) Allyl chloride	4.49	41	78527	20.629	ug/l	99
15) Acrylonitrile	5.18	53	73935	109.665	ug/l	100
16) Acetone	3.96	43	65965	89.908	ug/l	97
17) Carbon Disulfide	4.21	76	134854	18.885	ug/l	100
18) Methyl Acetate	4.49	43	36438	22.805	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	126328	21.213	ug/l	99
20) Methylene Chloride	4.73	84	52684	20.216	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	49583	20.318	ug/l	98
22) Diisopropyl ether	6.13	45	164632	21.060	ug/l	95
23) Vinyl Acetate	6.07	43	529481	103.836	ug/l	97
24) 1,1-Dichloroethane	6.03	63	86175	20.625	ug/l	99
25) 2-Butanone	7.00	43	101118	101.454	ug/l	99
26) 2,2-Dichloropropane	6.99	77	72427	19.924	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	55448	20.584	ug/l	98
28) Bromochloromethane	7.35	49	32937	18.924	ug/l	98
29) Tetrahydrofuran	7.36	42	64362	106.839	ug/l	97
30) Chloroform	7.52	83	82110	20.112	ug/l	99
31) Cyclohexane	7.79	56	88134	19.784	ug/l	# 95
32) 1,1,1-Trichloroethane	7.71	97	70272	20.480	ug/l	99
36) 1,1-Dichloropropene	7.93	75	67259	19.889	ug/l	99
37) Ethyl Acetate	7.08	43	41887	20.752	ug/l	99
38) Carbon Tetrachloride	7.91	117	58850	19.812	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	88104	19.638	ug/l	99
40) Benzene	8.17	78	201039	20.213	ug/l	98
41) Methacrylonitrile	7.33	41	23231	22.922	ug/l #	81
42) 1,2-Dichloroethane	8.25	62	54898	20.261	ug/l	99
43) Isopropyl Acetate	8.28	43	80249	20.955	ug/l	100
44) Trichloroethene	8.94	130	49335	19.871	ug/l	100
45) 1,2-Dichloropropane	9.22	63	52767	21.184	ug/l	97
46) Dibromomethane	9.31	93	26991	20.717	ug/l	99
47) Bromodichloromethane	9.50	83	64648	20.560	ug/l	97
48) Methyl methacrylate	9.30	41	35413	20.446	ug/l	97
49) 1,4-Dioxane	9.30	88	7404	402.372	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	207087	105.247	ug/l	99
52) Toluene	10.25	92	126188	20.340	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	70978	20.419	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	81207	20.298	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	39724	20.678	ug/l	96
56) Ethyl methacrylate	10.51	69	59446	20.627	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71654	20.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	153828	132.982	ug/l	99
59) 2-Hexanone	10.83	43	147355	99.810	ug/l	100
60) Dibromochloromethane	10.99	129	42712	20.166	ug/l	99
61) 1,2-Dibromoethane	11.09	107	37629	20.716	ug/l	98
64) Tetrachloroethene	10.72	164	40384	20.298	ug/l	99
65) Chlorobenzene	11.52	112	129244	20.426	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	42763	20.034	ug/l	98
67) Ethyl Benzene	11.60	91	240787	20.506	ug/l	99
68) m/p-Xylenes	11.70	106	180666	41.188	ug/l	98
69) o-Xylene	12.03	106	84434	20.248	ug/l	98
70) Styrene	12.05	104	146617	20.231	ug/l	100
71) Bromoform	12.20	173	24166	19.811	ug/l #	100
73) Isopropylbenzene	12.33	105	229881	20.044	ug/l	99
74) N-amyl acetate	12.14	43	75695	20.681	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	50113	20.465	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	37485m	21.706	ug/l	
77) Bromobenzene	12.61	156	49111	19.754	ug/l	99
78) n-propylbenzene	12.67	91	280580	20.088	ug/l	99
79) 2-Chlorotoluene	12.76	91	160500	20.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	191427	20.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	18264	20.065	ug/l	97
82) 4-Chlorotoluene	12.86	91	166569	20.160	ug/l	100
83) tert-Butylbenzene	13.08	119	160541	20.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	192927	20.384	ug/l	100
85) sec-Butylbenzene	13.25	105	239095	20.475	ug/l	99
86) p-Isopropyltoluene	13.37	119	205592	20.266	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	96671	20.049	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	98297	20.168	ug/l	99
89) n-Butylbenzene	13.70	91	210441	20.301	ug/l	100
90) Hexachloroethane	13.96	117	38277	20.026	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	88232	19.829	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8767	21.693	ug/l	92

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ClientSampleId :
VY0224SBSD01

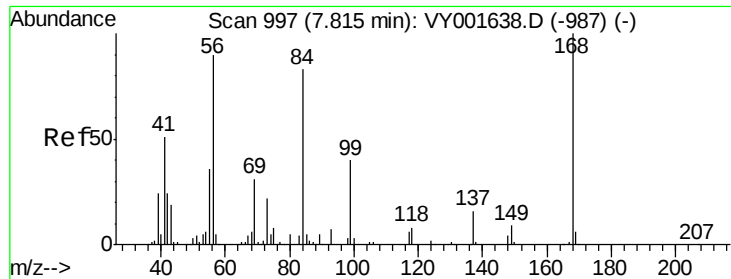
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59114	20.047	ug/l	99
94) Hexachlorobutadiene	15.11	225	28938	19.733	ug/l	100
95) Naphthalene	15.24	128	136802	20.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	52101	20.084	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:168 Resp: 197131

Ion Ratio Lower Upper

168 100

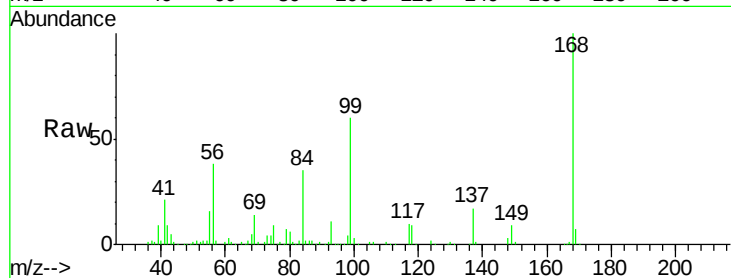
99 59.9 47.5 71.3

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Abundance Ion 167.90 (167.60 to 168.60): VY001764.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001764.D (-948) (-)

7.80

80000

60000

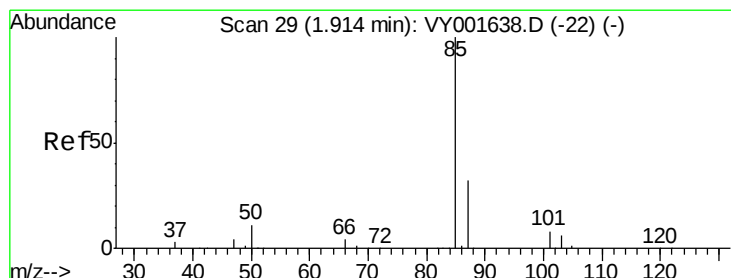
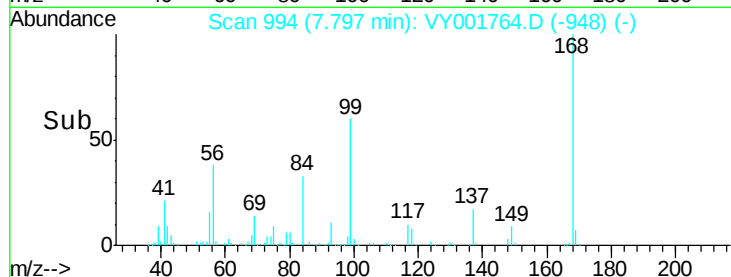
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.737 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001764.D

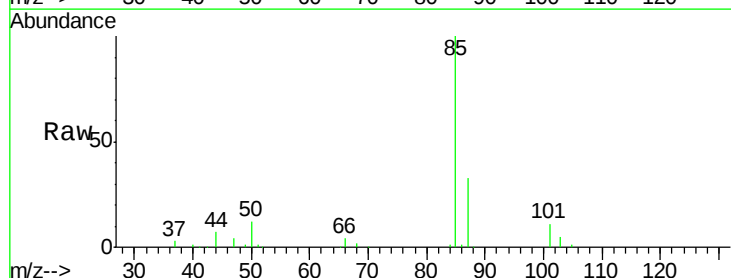
Acq: 24 Feb 2020 11:49

Tgt Ion: 85 Resp: 34084

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001764.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001764.D (-1) (-)

1.91

25000

20000

15000

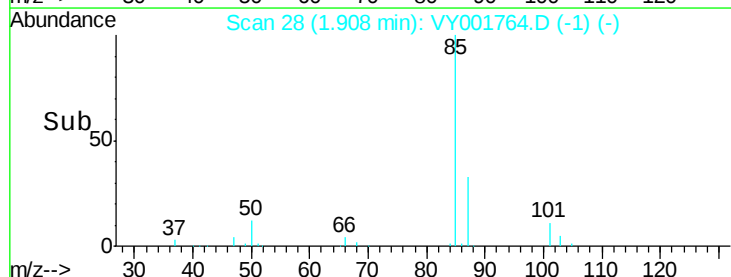
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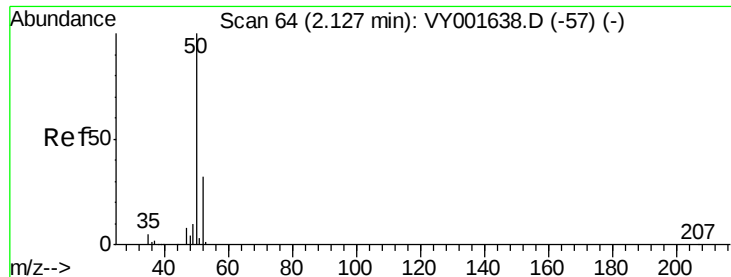
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.236 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 50 Resp: 49718

Ion Ratio Lower Upper

50 100

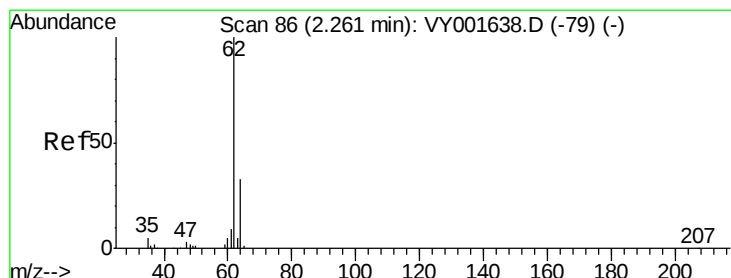
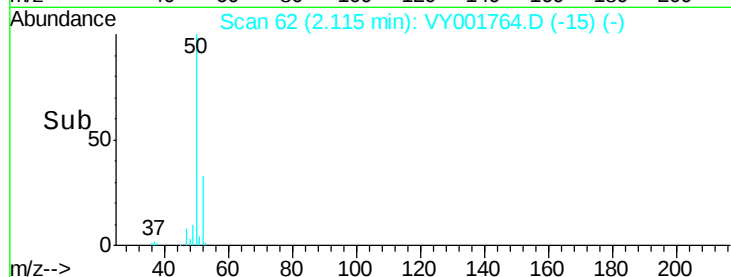
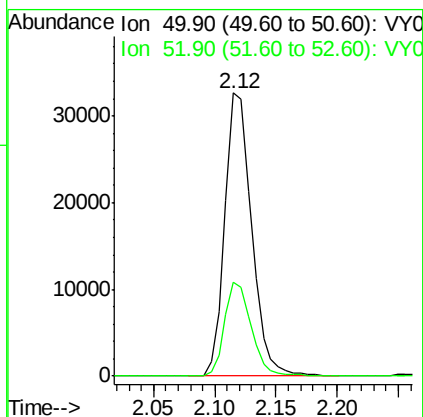
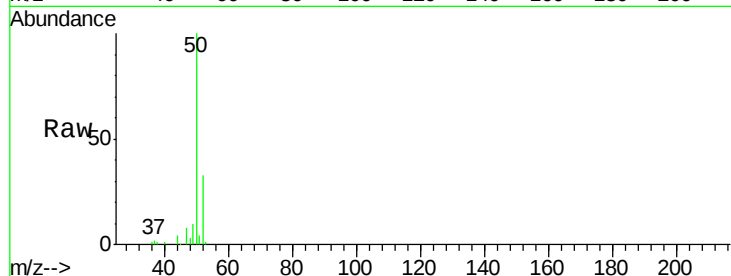
52 33.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.617 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001764.D

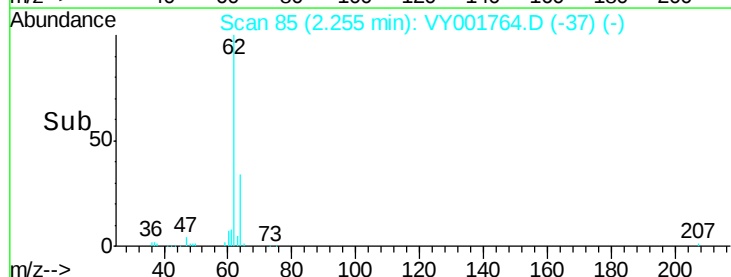
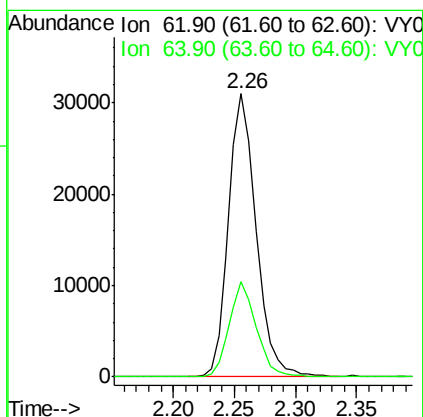
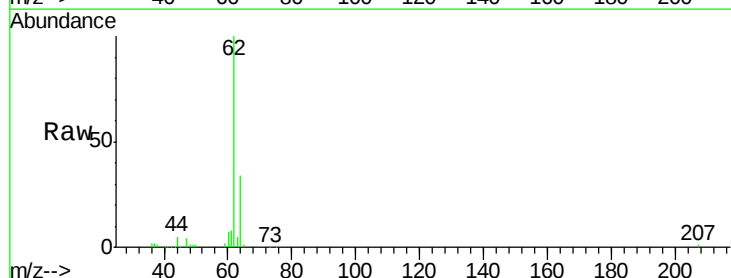
Acq: 24 Feb 2020 11:49

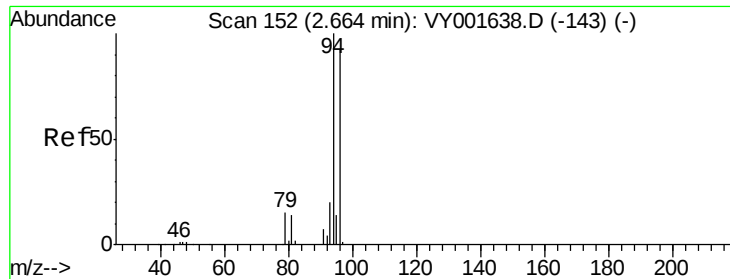
Tgt Ion: 62 Resp: 48533

Ion Ratio Lower Upper

62 100

64 33.5 24.9 37.3





#5

Bromomethane

Concen: 19.121 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 94 Resp: 31153

Ion Ratio Lower Upper

94 100

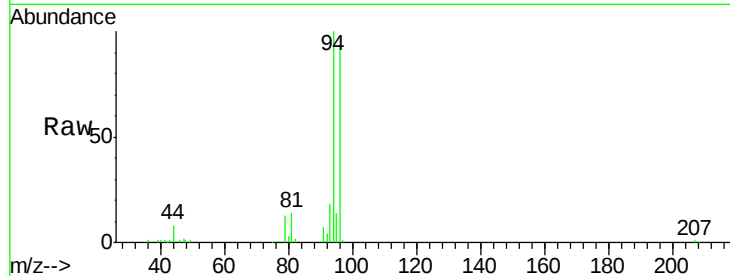
96 93.2 73.7 110.5

Manual Integrations

APPROVED

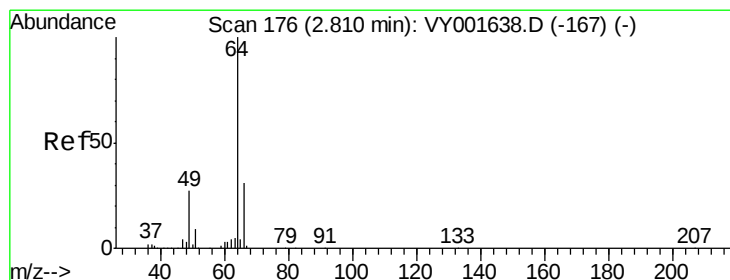
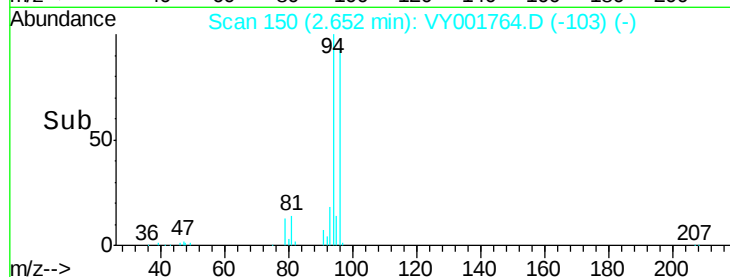
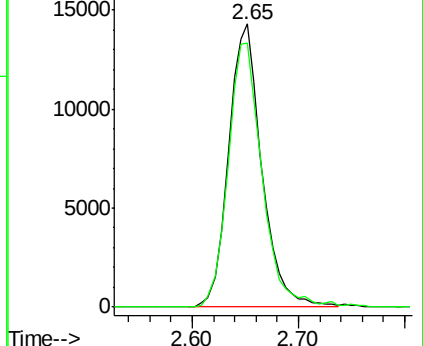
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.168 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001764.D

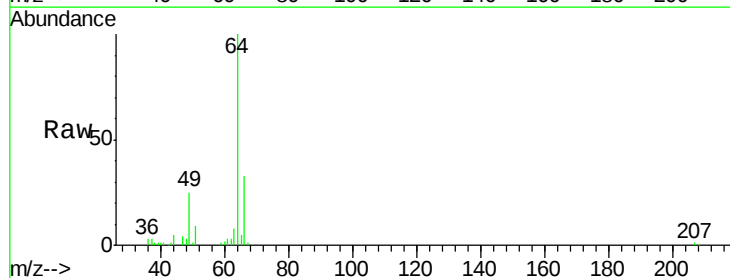
Acq: 24 Feb 2020 11:49

Tgt Ion: 64 Resp: 30792

Ion Ratio Lower Upper

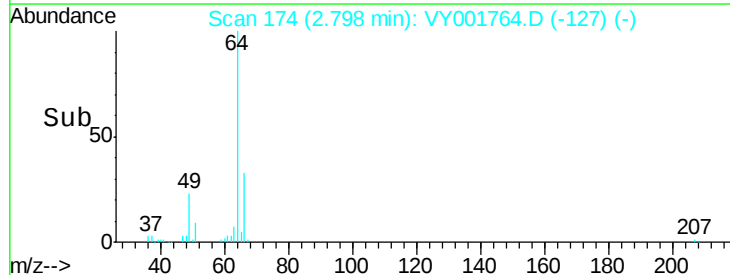
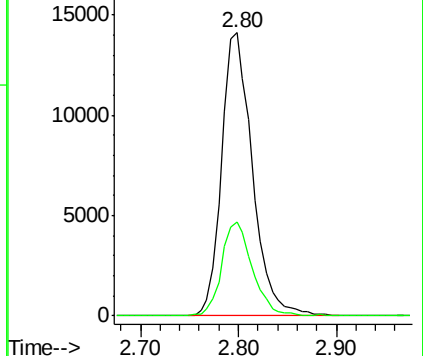
64 100

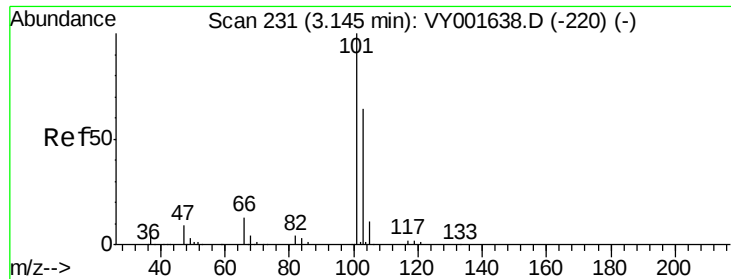
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

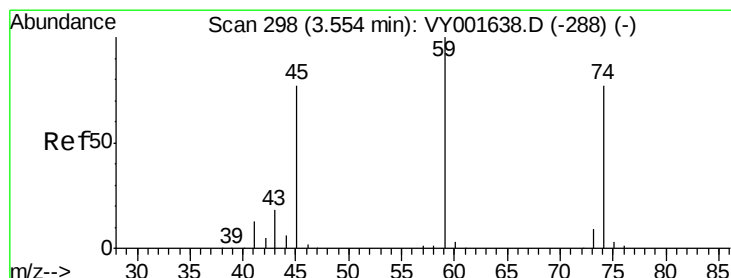
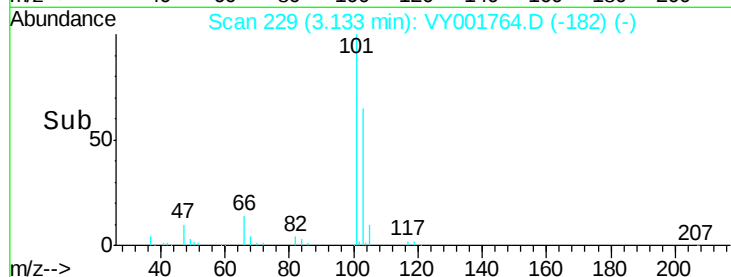
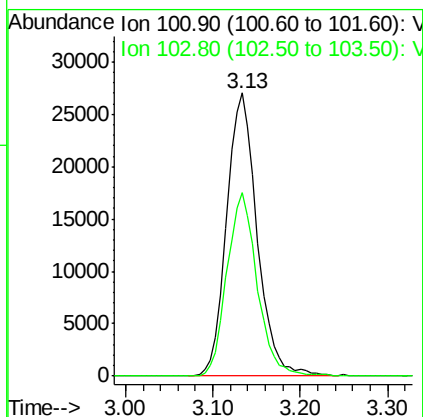
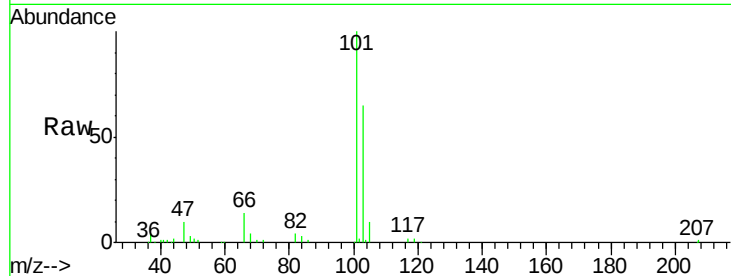
Trichlorofluoromethane
 Concen: 19.647 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

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 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.2

Manual Integrations
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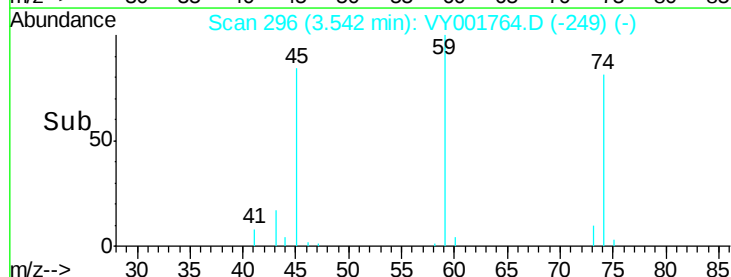
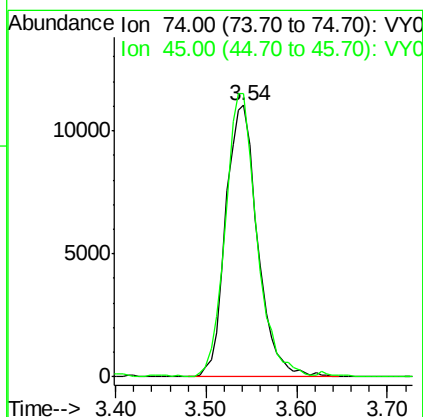
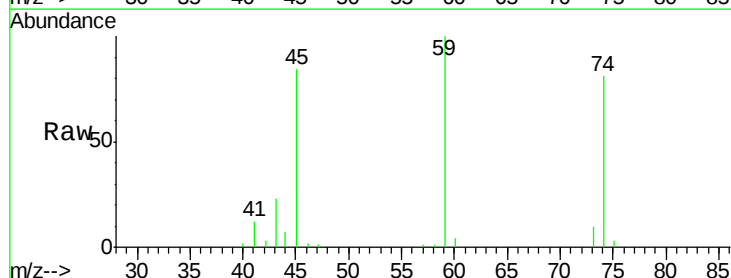
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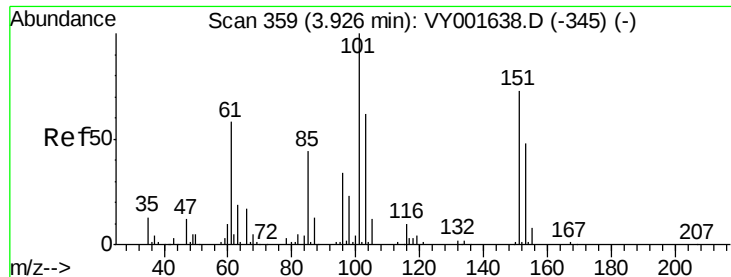


#8

Diethyl Ether
 Concen: 20.537 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.802 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001764.D

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Instrument :

MSVOA_Y

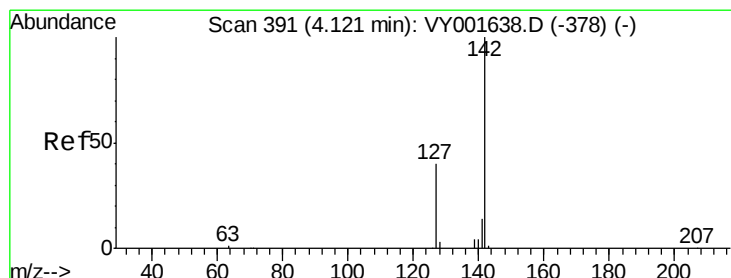
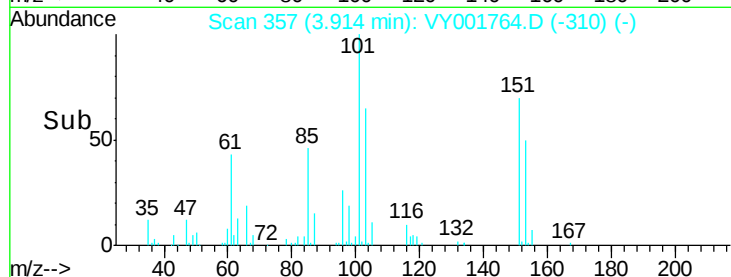
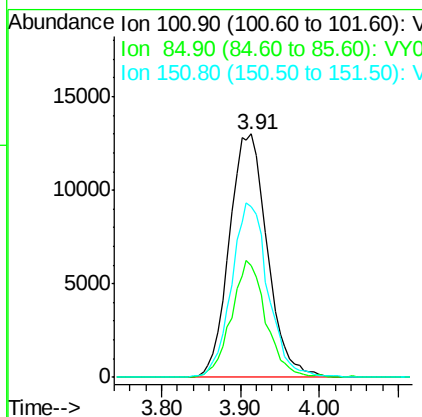
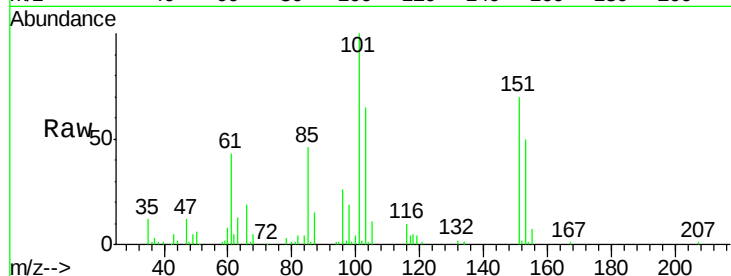
ClientSampleId :

VY0224SBS01

Tot Ion:	101	Resp:	43624
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	68.7	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.580 ug/l

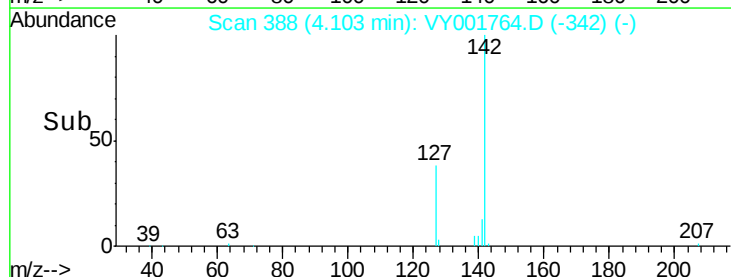
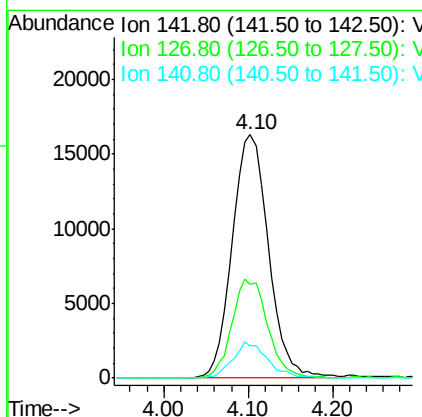
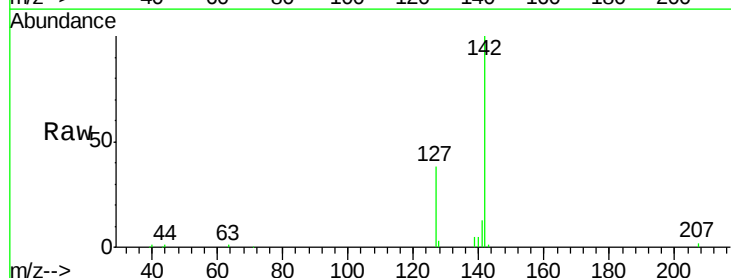
RT: 4.10 min Scan# 388

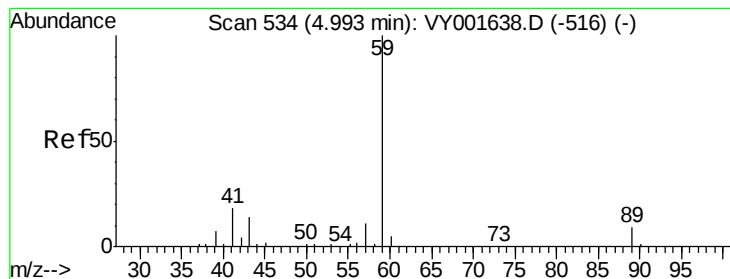
Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion:	142	Resp:	47688
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.1	48.1
141	14.2	11.3	16.9





#11

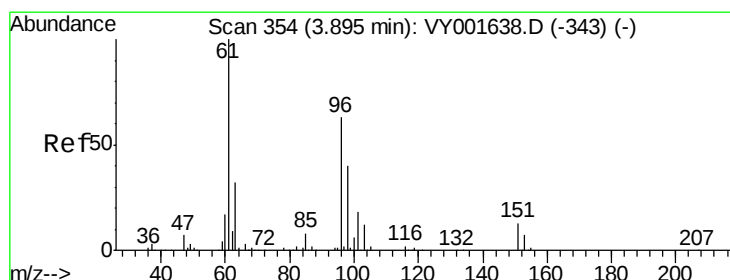
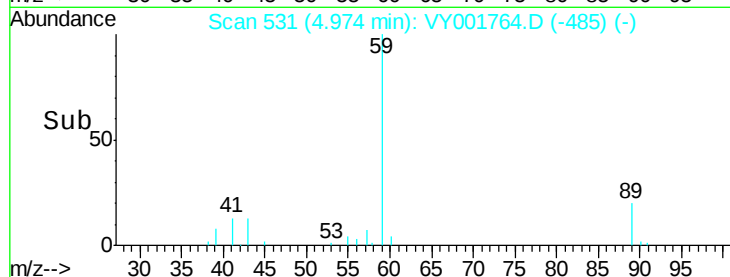
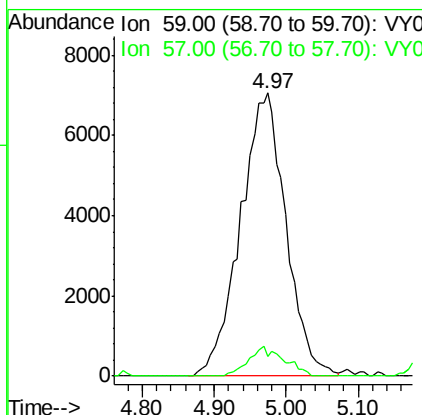
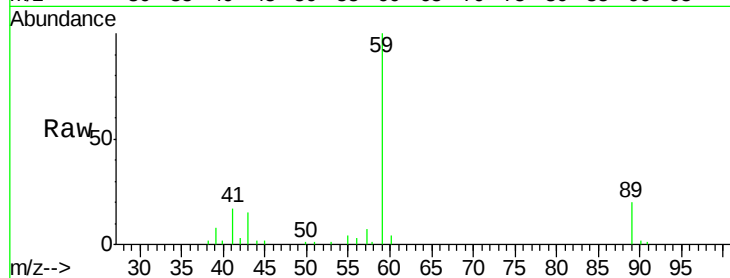
Tert butyl alcohol
 Concen: 112.028 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.4	11.2

Manual Integrations
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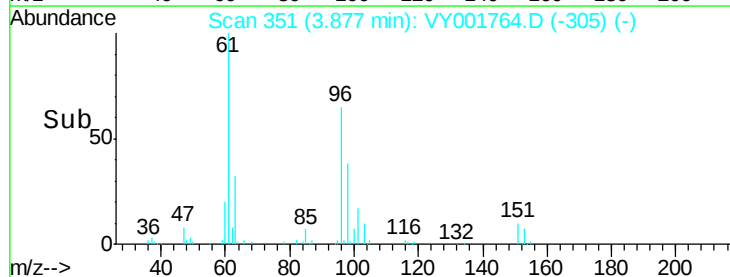
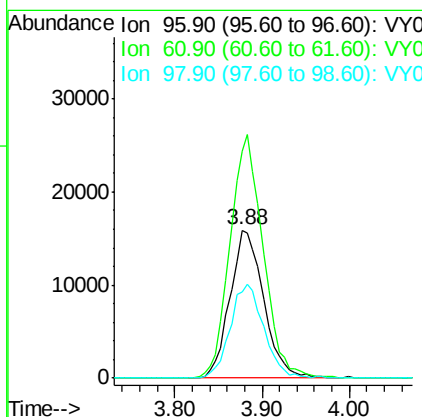
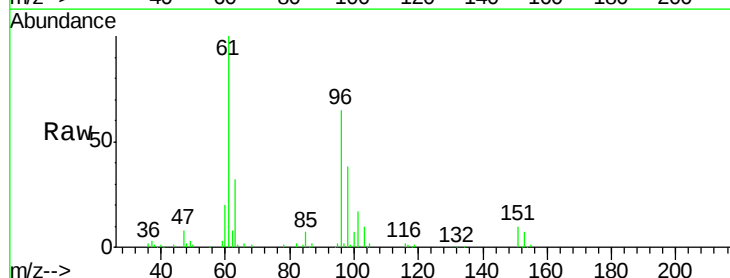
MMDadoda
 2/25/2020 10:53:57 AM

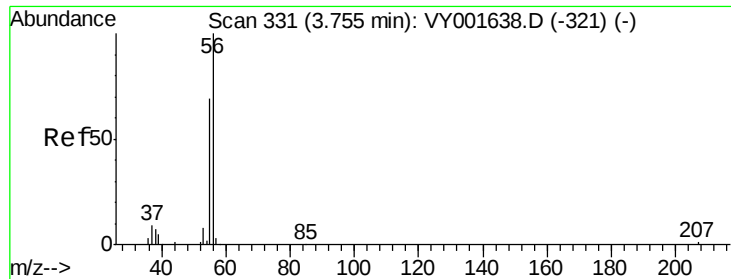


#12

1,1-Dichloroethene
 Concen: 19.883 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	128.7	193.1
98	58.5	50.7	76.1





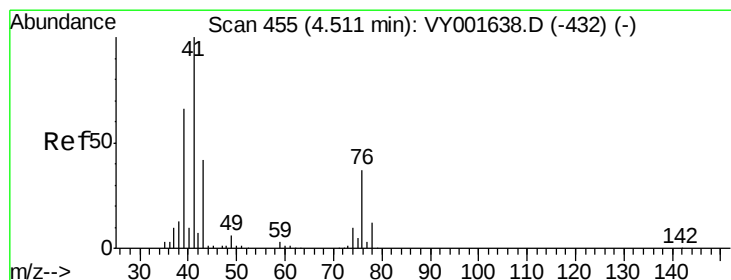
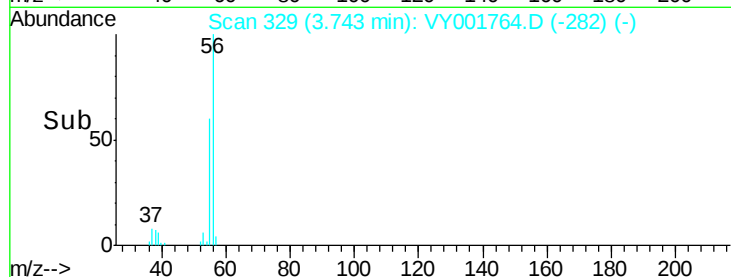
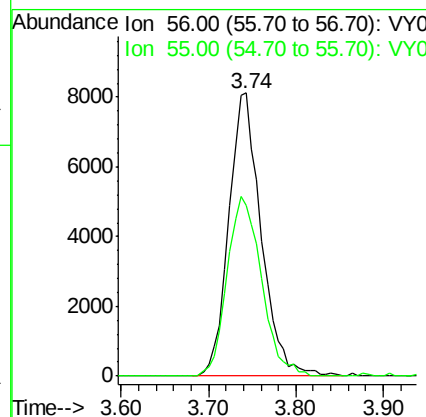
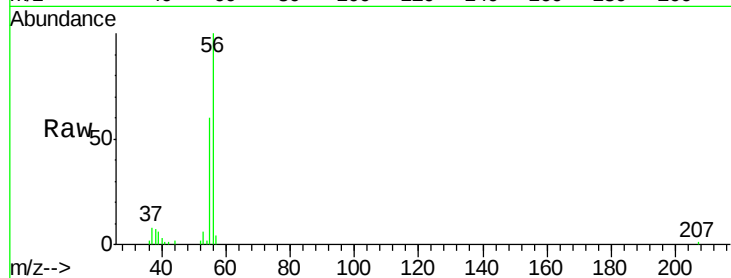
#13
 Acrolein
 Concen: 97.603 ug/l
 RT: 3.74 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	56	Resp	20902
Ion Ratio	100	Lower	Upper
56	100		
55	67.4	56.1	84.1

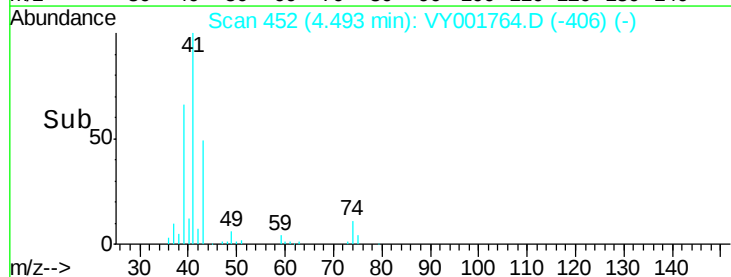
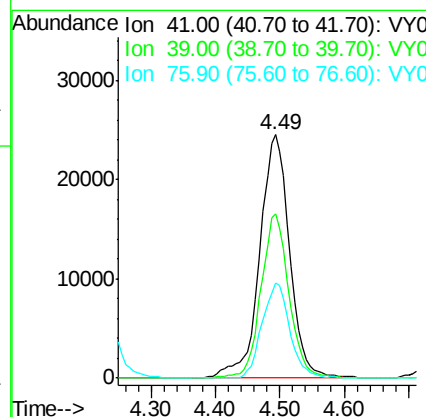
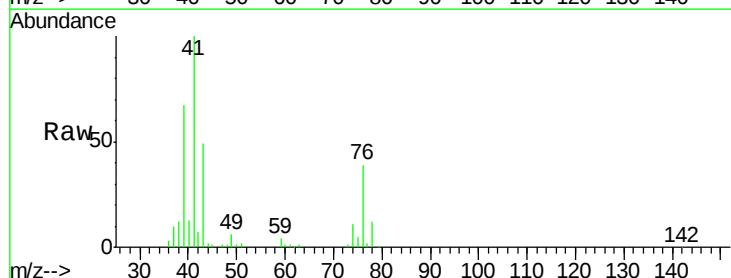
Manual Integrations
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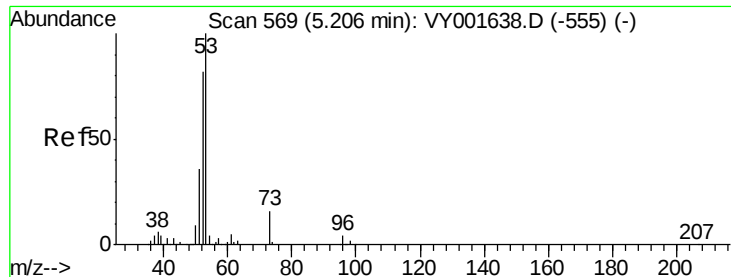
MMDadoda
 2/25/2020 10:53:57 AM



#14
 Allyl chloride
 Concen: 20.629 ug/l
 RT: 4.49 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	41	Resp	78527
Ion Ratio	100	Lower	Upper
41	100		
39	63.0	49.4	74.0
76	36.2	29.0	43.6





#15

Acrylonitrile

Concen: 109.665 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

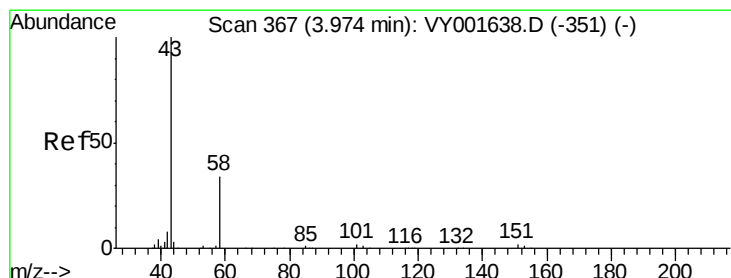
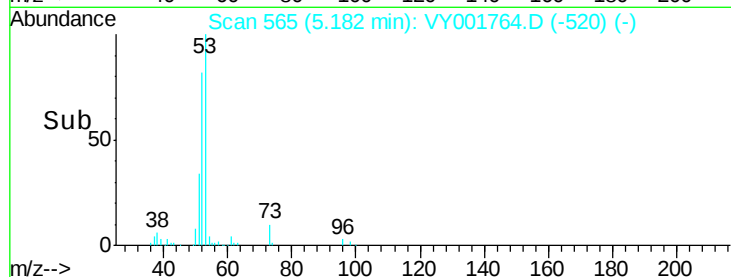
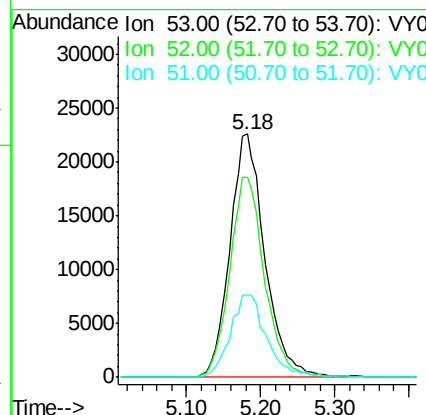
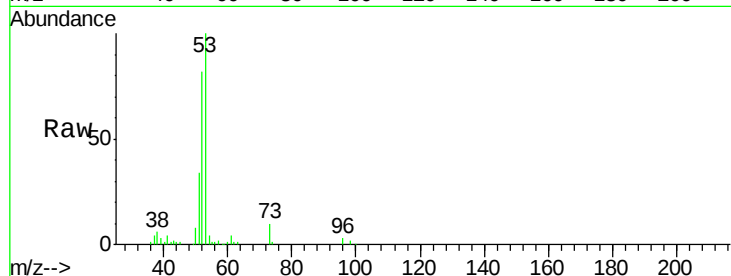
ClientSampleId :

VY0224SBS01

Tot Ion:	53	Resp:	73935
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.4	98.0
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 89.908 ug/l

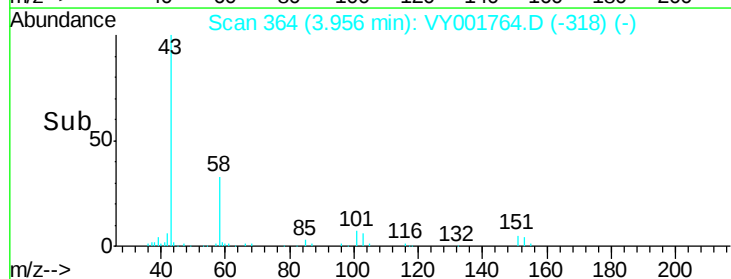
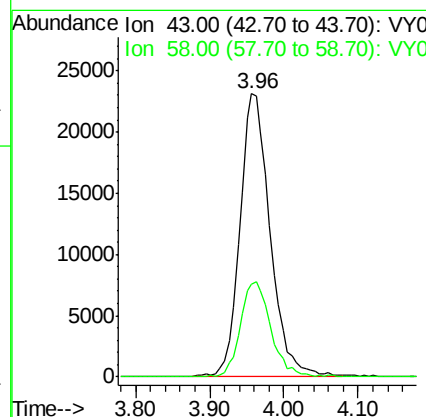
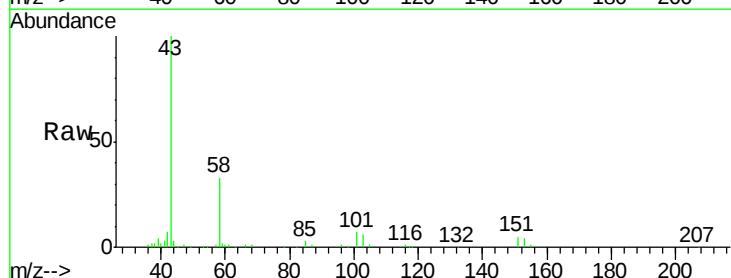
RT: 3.96 min Scan# 364

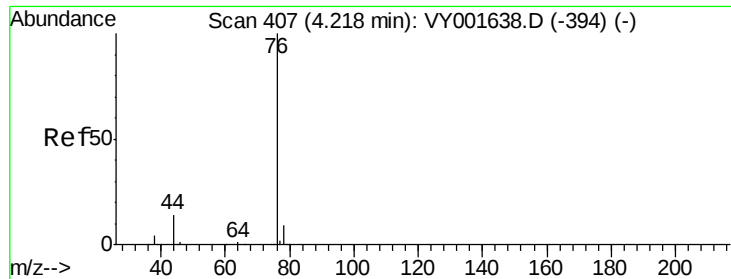
Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion:	43	Resp:	65965
Ion Ratio		Lower	Upper
43	100		
58	32.6	27.3	40.9





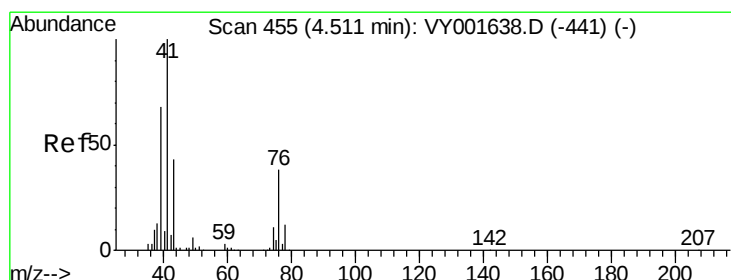
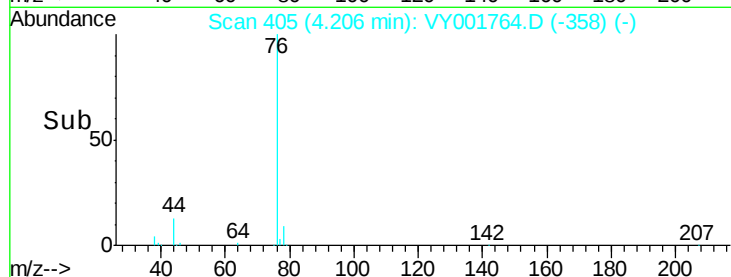
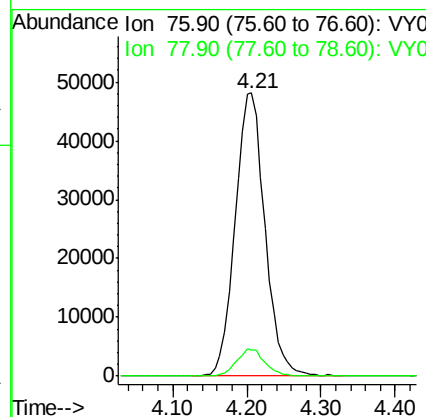
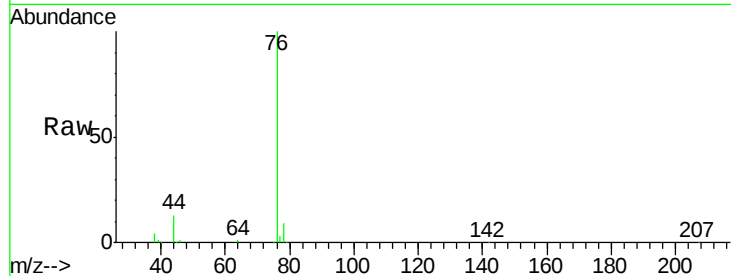
#17
Carbon Disulfide
Concen: 18.885 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

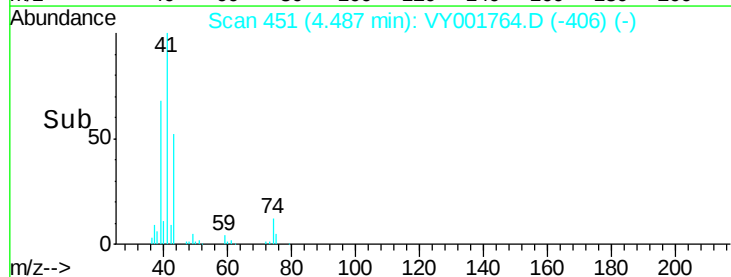
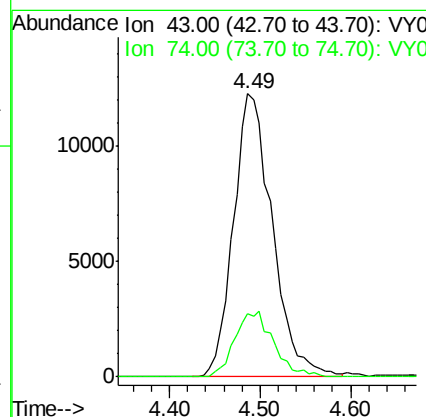
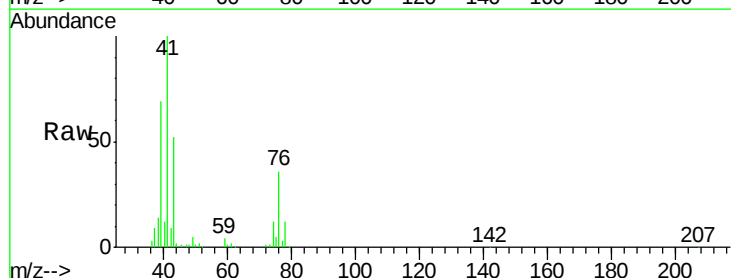
Manual Integrations
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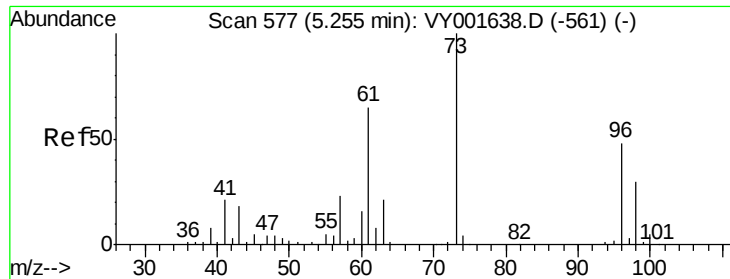
MMDadoda
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#18
Methyl Acetate
Concen: 22.805 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.1	28.7





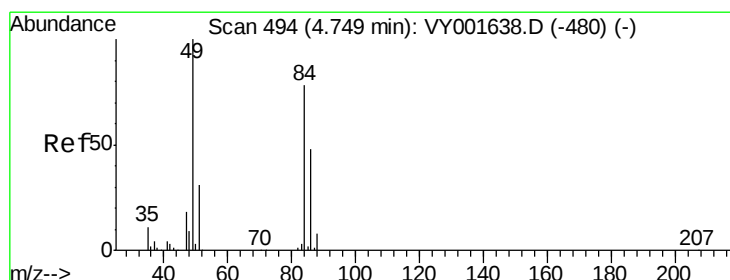
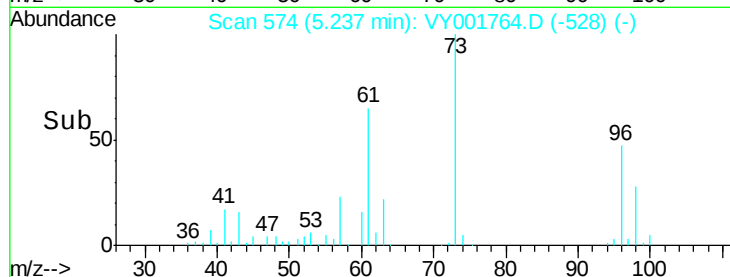
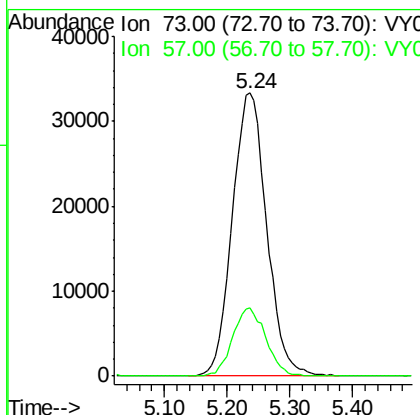
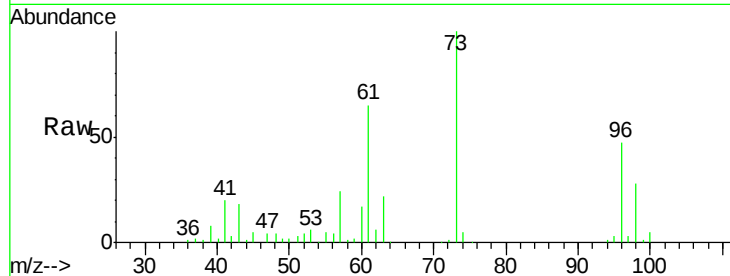
#19
Methyl tert-butyl Ether
Concen: 21.213 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 73 Resp: 126328
Ion Ratio Lower Upper
73 100
57 24.1 19.0 28.6

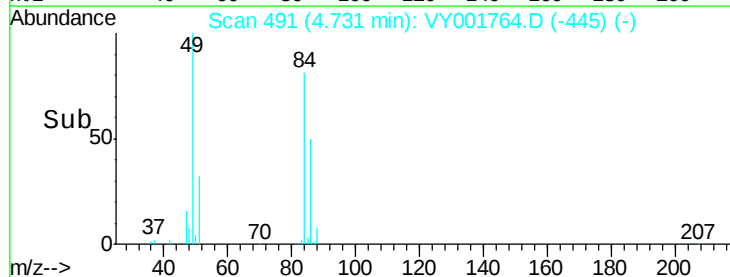
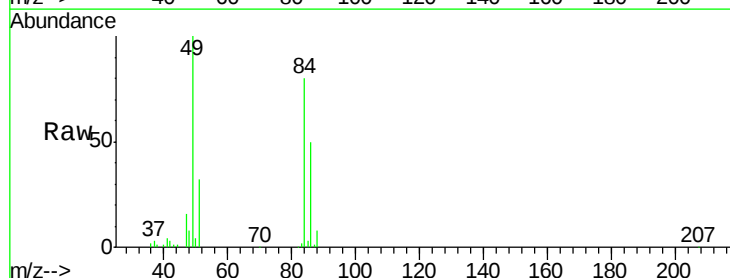
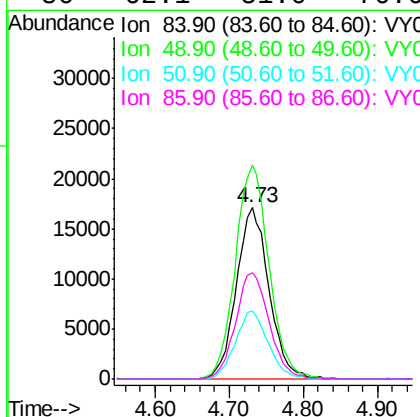
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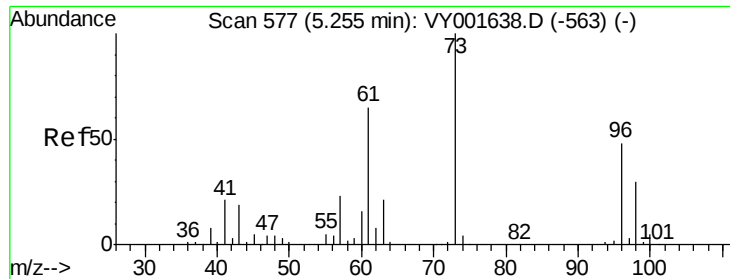
MMDadoda
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#20
Methylene Chloride
Concen: 20.216 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion: 84 Resp: 52684
Ion Ratio Lower Upper
84 100
49 124.9 99.2 148.8
51 40.0 31.5 47.3
86 62.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.318 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 96 Resp: 49583

Ion Ratio Lower Upper

96 100

61 132.4 107.9 161.9

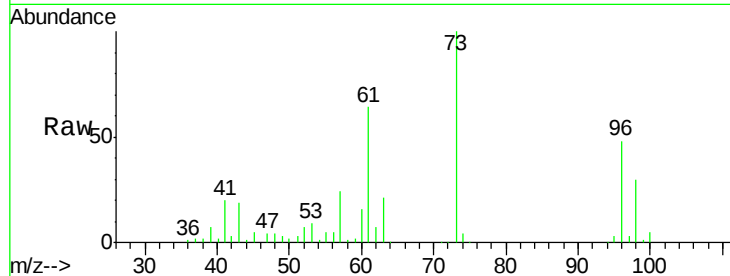
98 62.5 49.8 74.8

Manual Integrations

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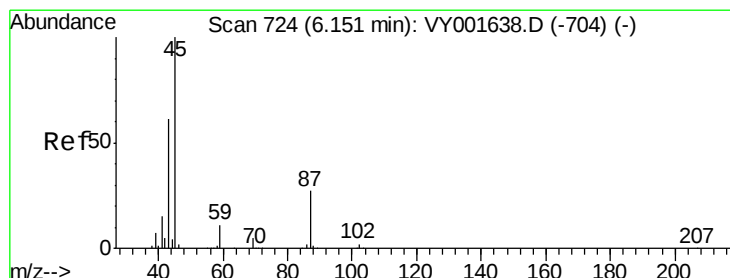
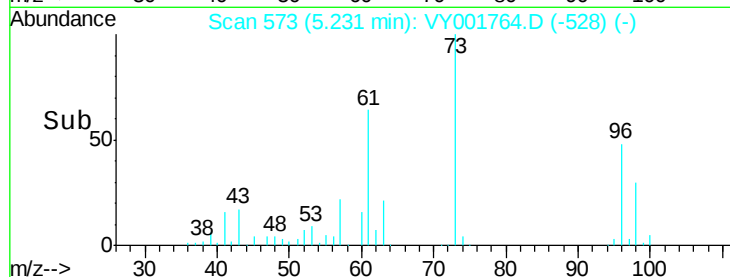
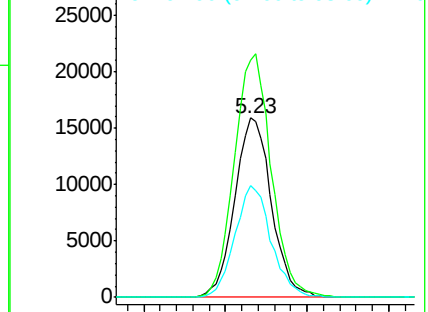


Abundance

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: 21.060 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion: 45 Resp: 164632

Ion Ratio Lower Upper

45 100

43 54.0 46.4 69.6

87 23.9 22.1 33.1

59 11.5 9.4 14.0

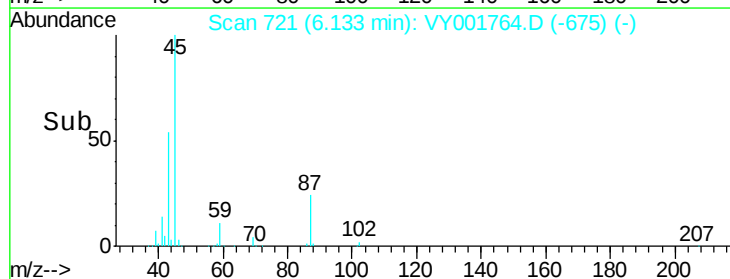
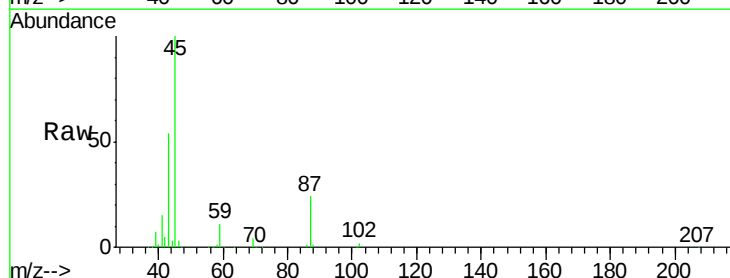
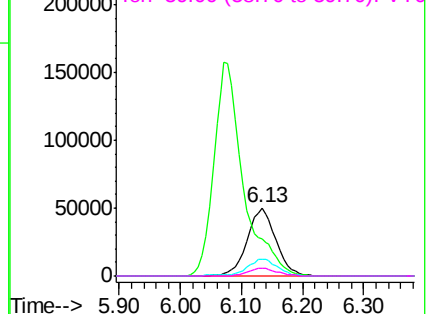
Abundance

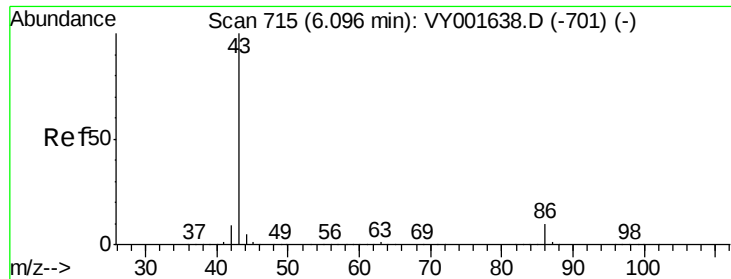
Ion 45.00 (44.70 to 45.70): VY0

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





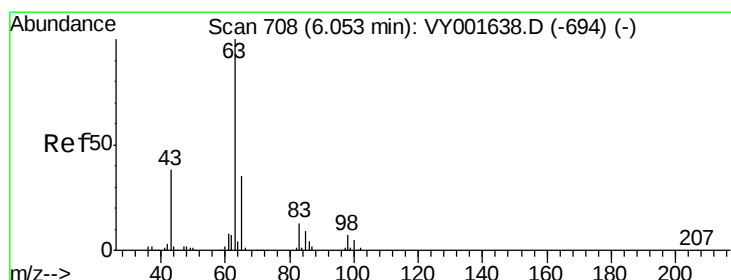
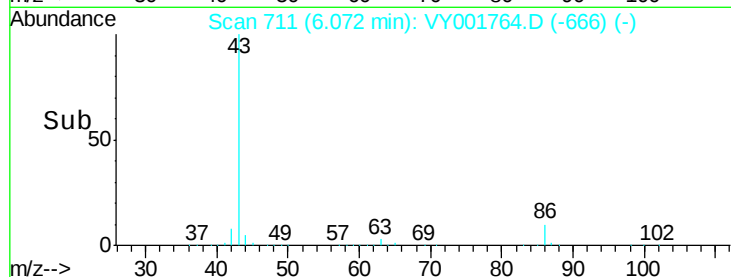
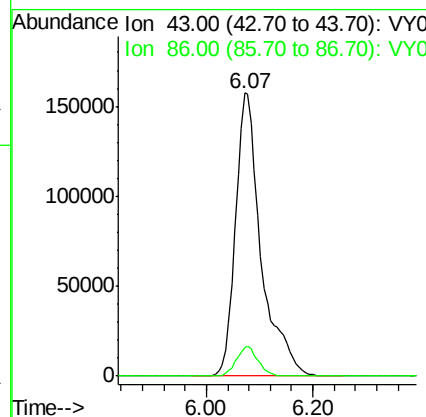
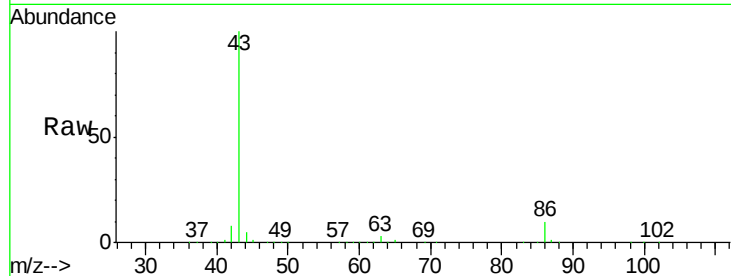
#23
 Vinyl Acetate
 Concen: 103.836 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	43	Resp	529481
Ion Ratio	100	Lower	Upper
43	100	8.8	13.2
86	10.0		

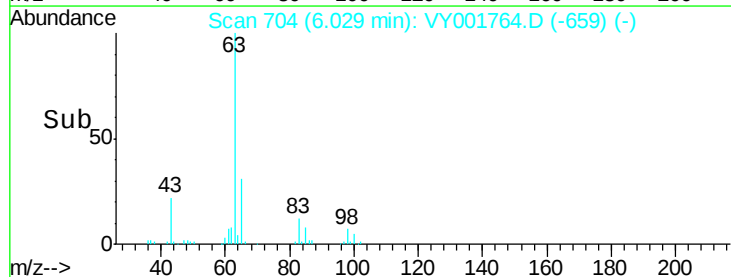
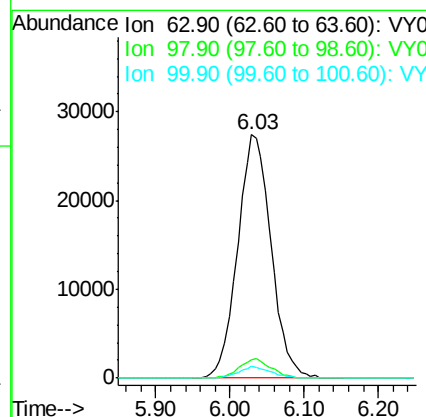
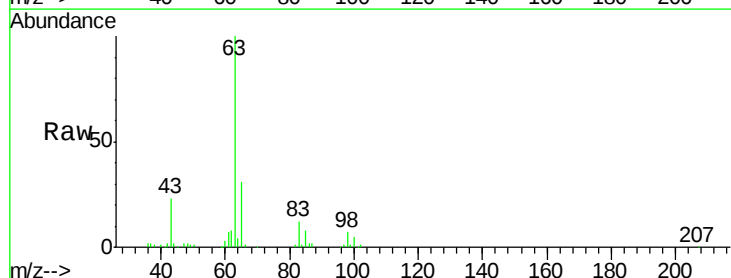
Manual Integrations
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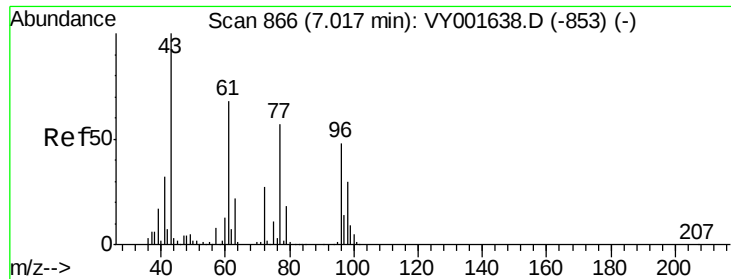
MMDadoda
 2/25/2020 10:53:57 AM



#24
 1,1-Dichloroethane
 Concen: 20.625 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	63	Resp	86175
Ion Ratio	100	Lower	Upper
63	100	3.4	10.2
98	7.3		
100	5.0	2.3	6.9





#25

2-Butanone

Concen: 101.454 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 43 Resp: 101118

Ion Ratio Lower Upper

43 100

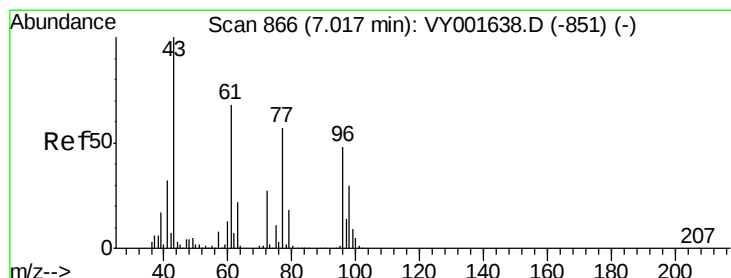
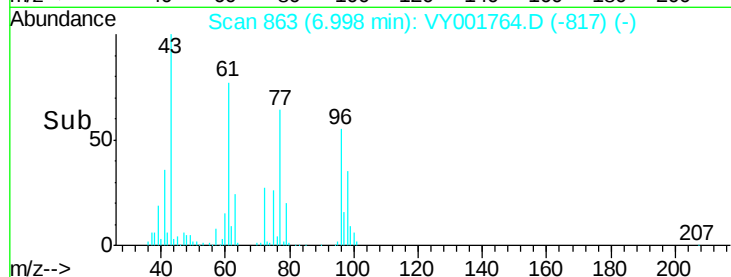
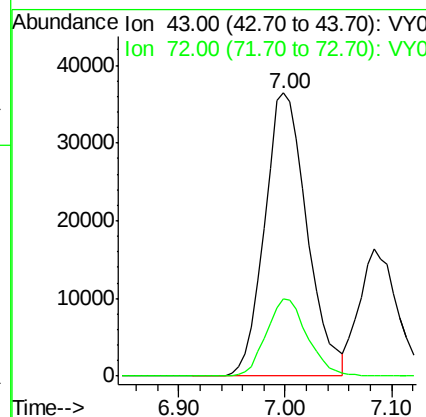
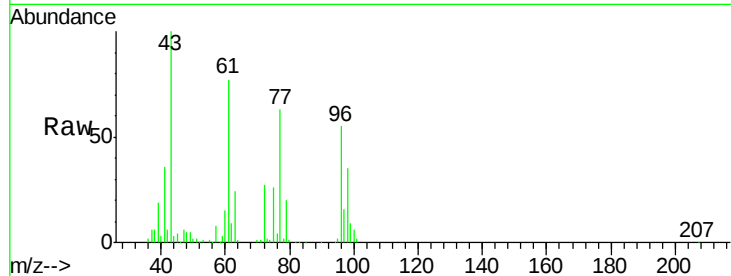
72 27.3 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

2/25/2020 10:53:57 AM



#26

2,2-Dichloropropane

Concen: 19.924 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001764.D

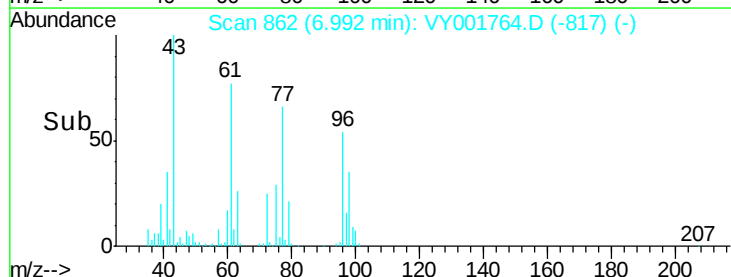
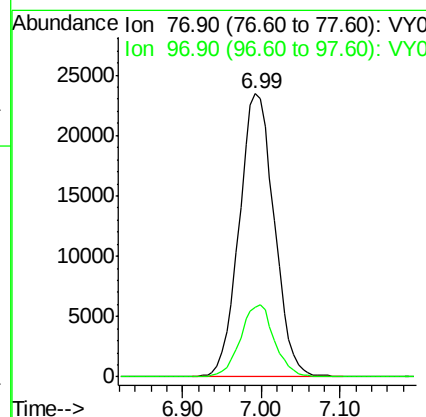
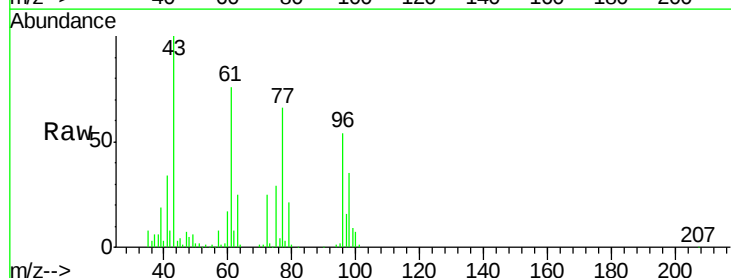
Acq: 24 Feb 2020 11:49

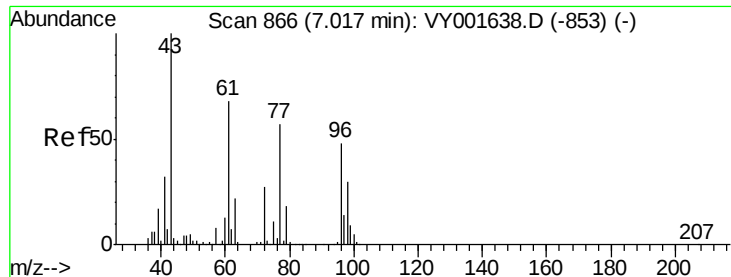
Tgt Ion: 77 Resp: 72427

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

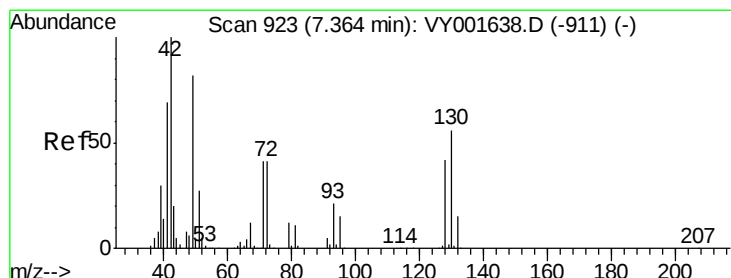
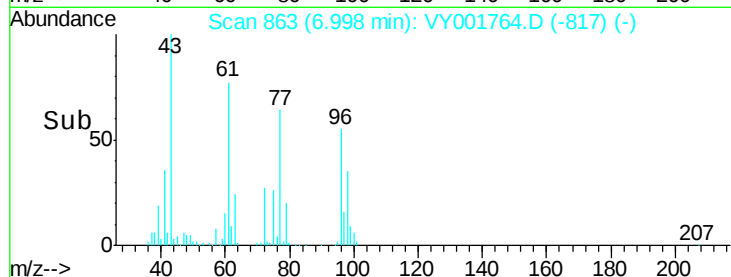
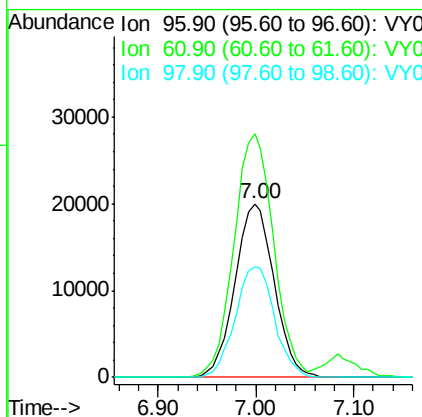
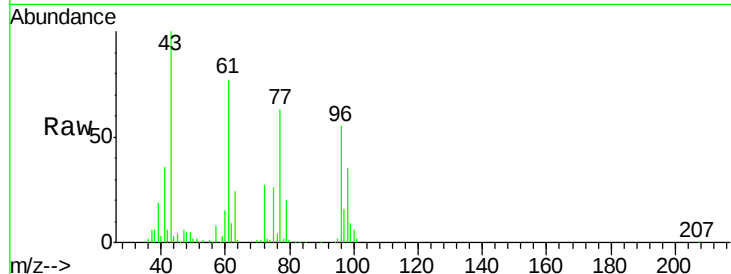
cis-1,2-Dichloroethene
Concen: 20.584 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.7	0.0	290.8	
98	64.1	0.0	128.6	

Manual Integrations
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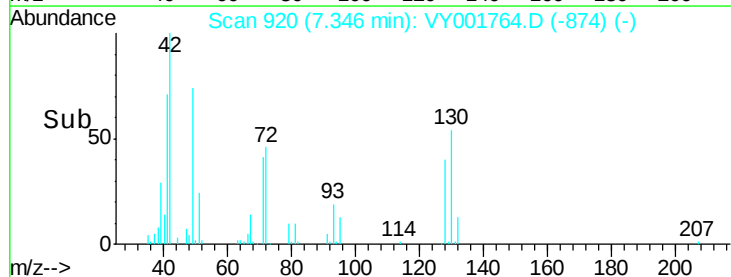
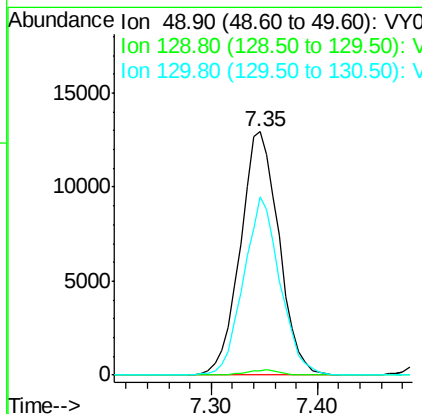
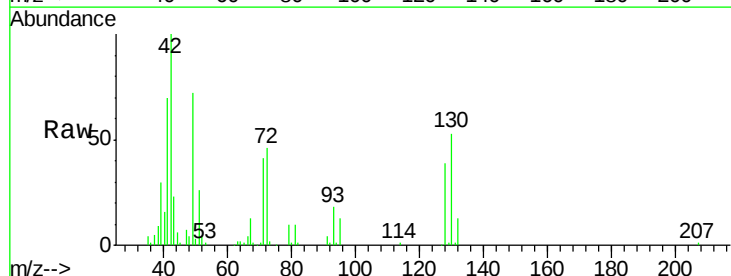
MMDadoda
2/25/2020 10:53:57 AM

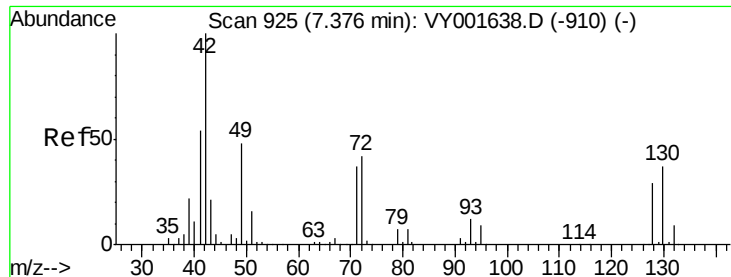


#28

Bromochloromethane
Concen: 18.924 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	68.9	56.2	84.4	





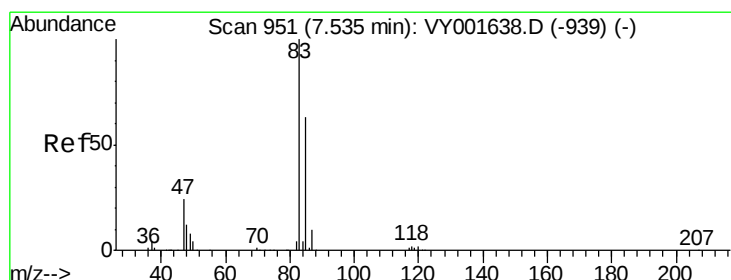
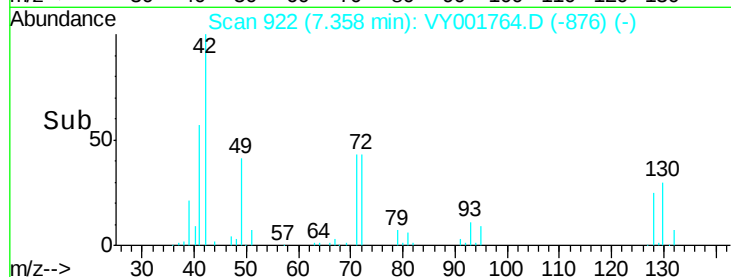
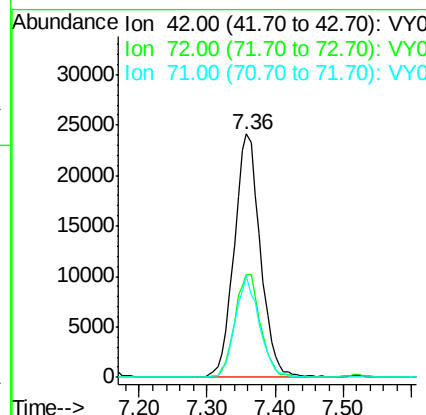
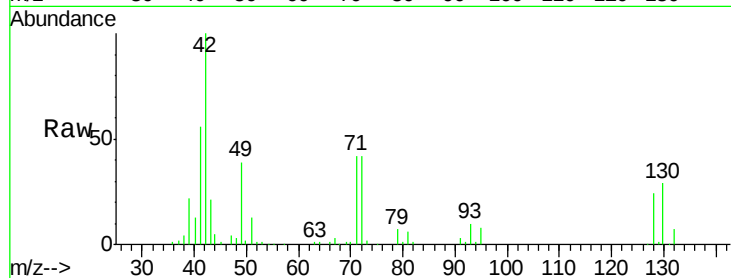
#29
Tetrahydrofuran
Concen: 106.839 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.4	51.6
71	38.4	31.8	47.8

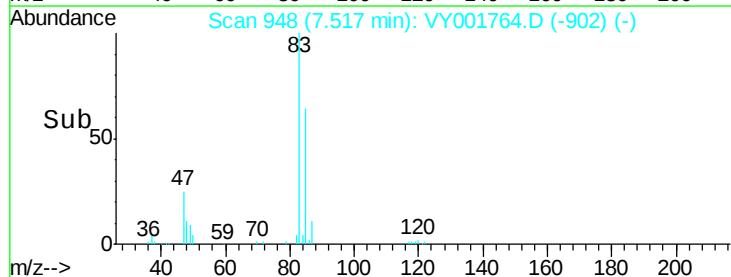
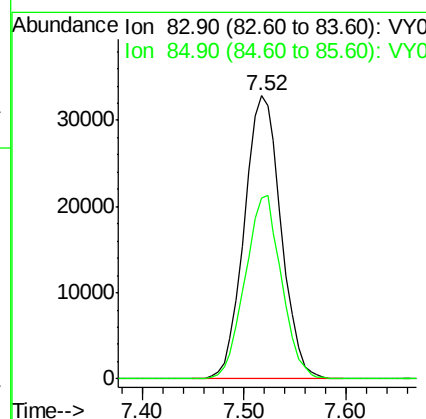
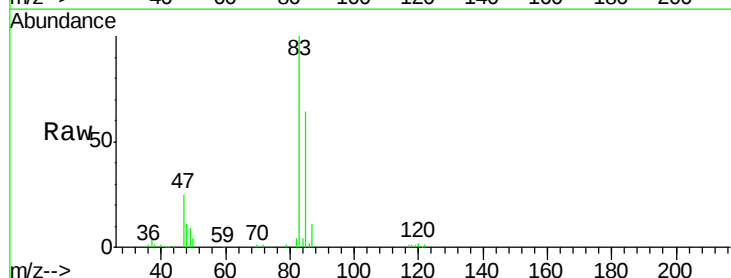
Manual Integrations
APPROVED

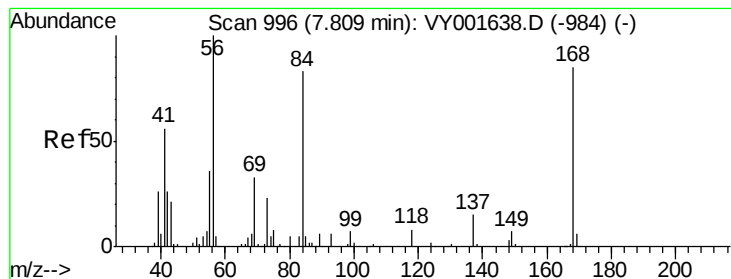
MMDadoda
2/25/2020 10:53:57 AM



#30
Chloroform
Concen: 20.112 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4





#31

Cyclohexane

Concen: 19.784 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

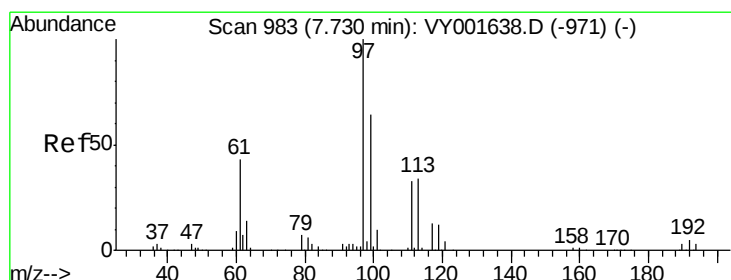
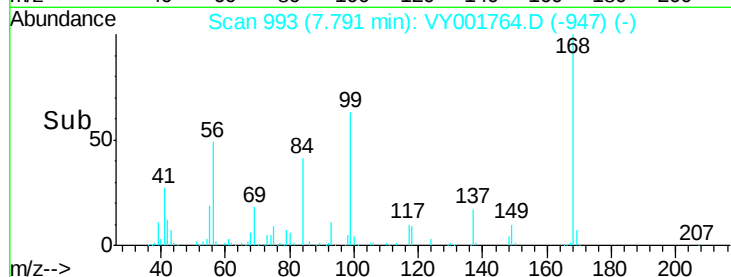
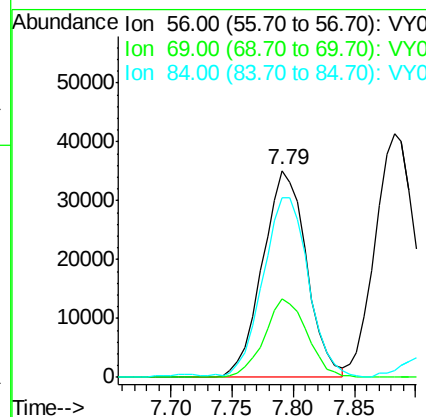
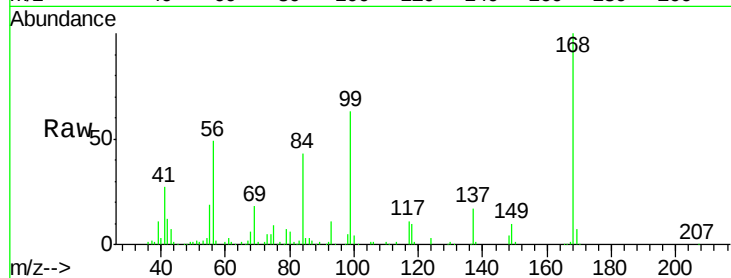
ClientSampleId :

VY0224SBS01

Tot Ion:	56	Resp:	88134
Ion Ratio	Lower	Upper	
56	100		
69	37.7	25.1	37.7#
84	85.8	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.480 ug/l

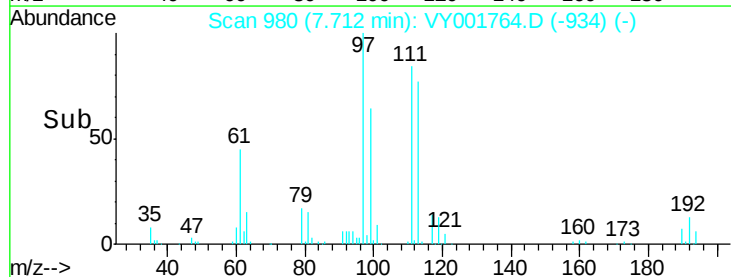
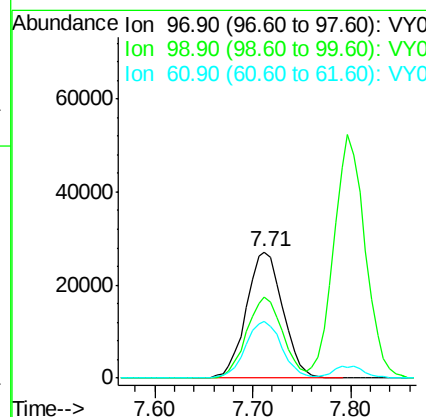
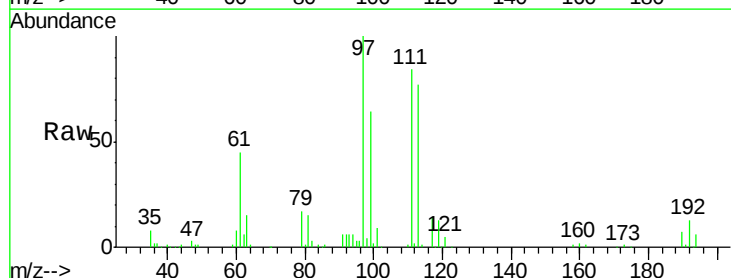
RT: 7.71 min Scan# 980

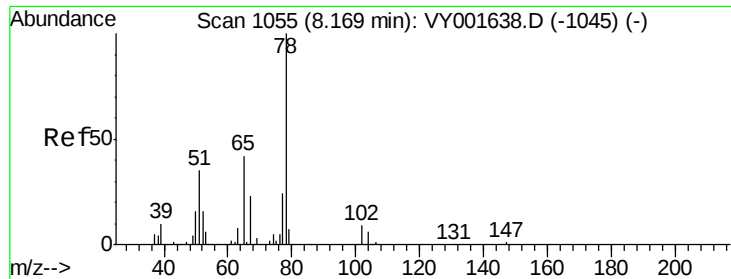
Delta R.T. -0.02 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion:	97	Resp:	70272
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.2	76.8
61	44.2	35.0	52.6





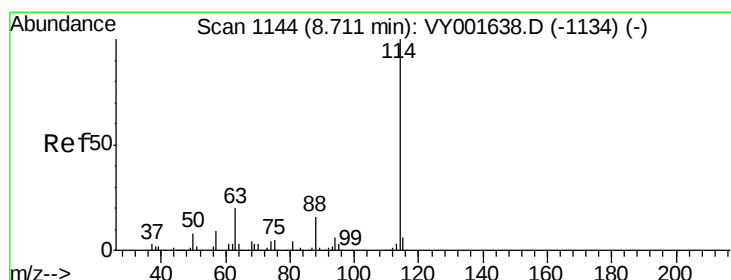
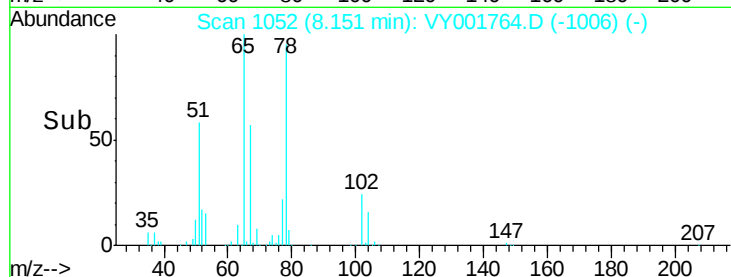
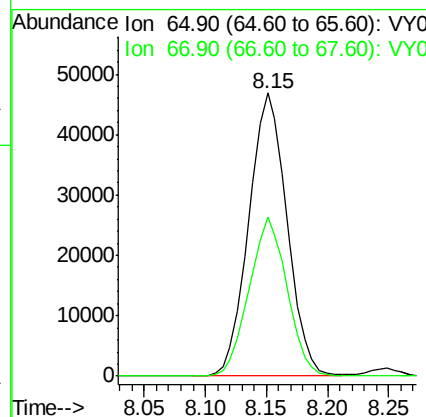
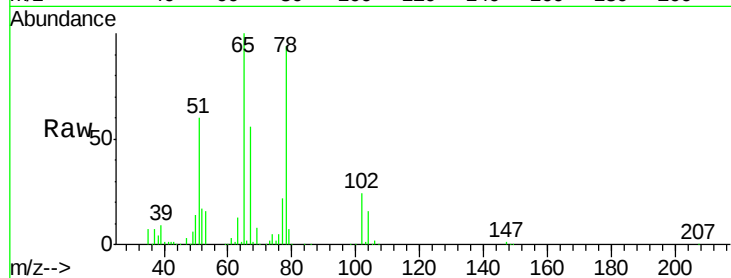
#33
 1,2-Dichloroethane-d4
 Concen: 48.118 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102031		
67	55.6	0.0	111.0	

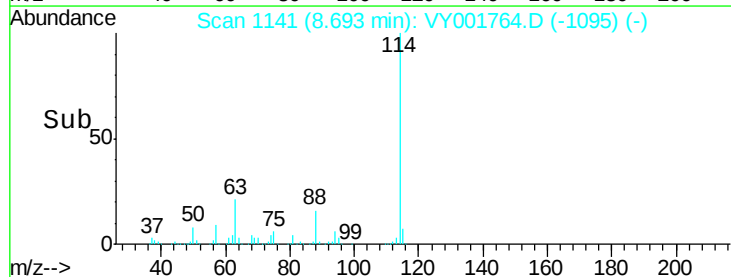
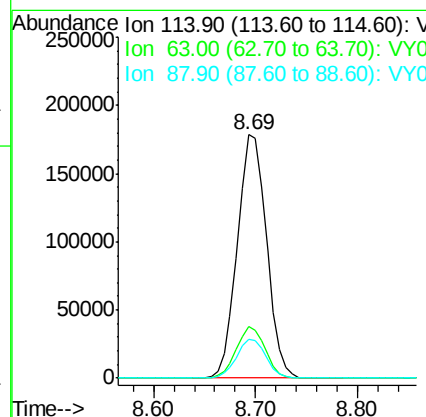
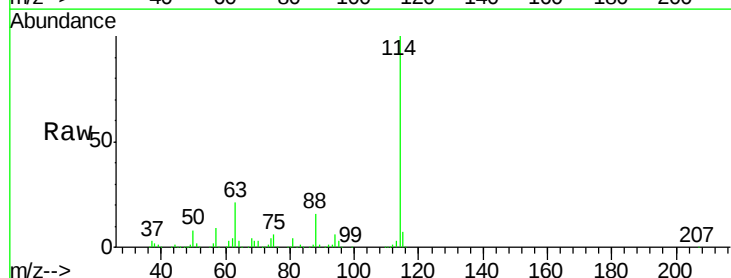
Manual Integrations
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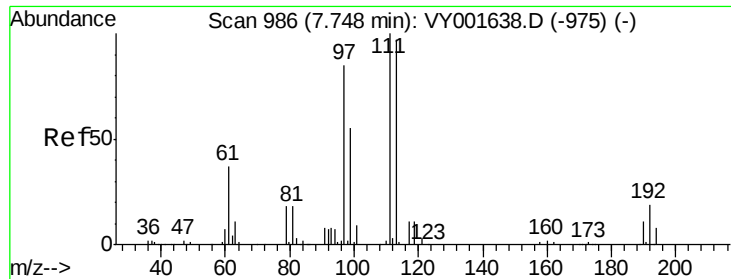
MMDadoda
 2/25/2020 10:53:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354039		
63	21.3	0.0	41.4	
88	16.2	0.0	32.8	





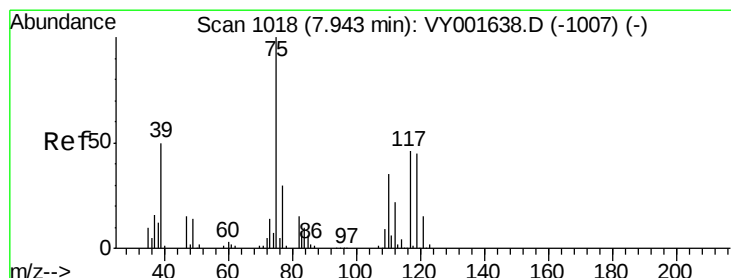
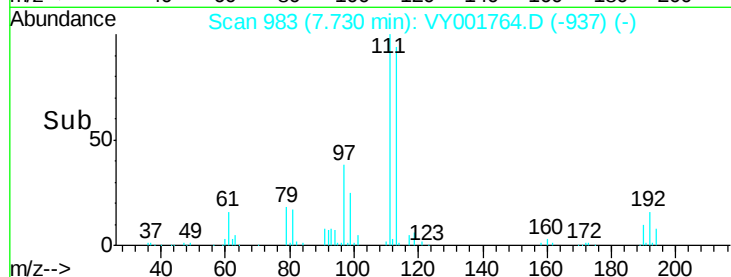
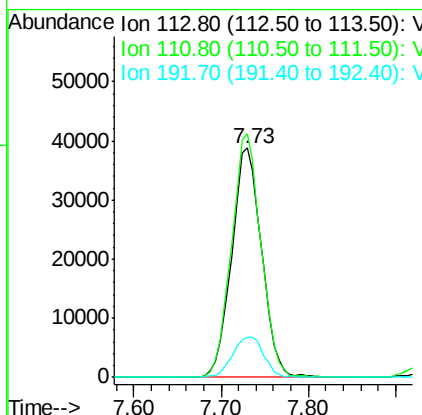
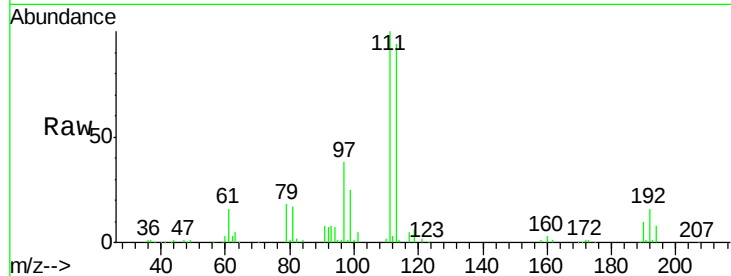
#35
 Dibromofluoromethane
 Concen: 45.615 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	18.3	14.3	21.5

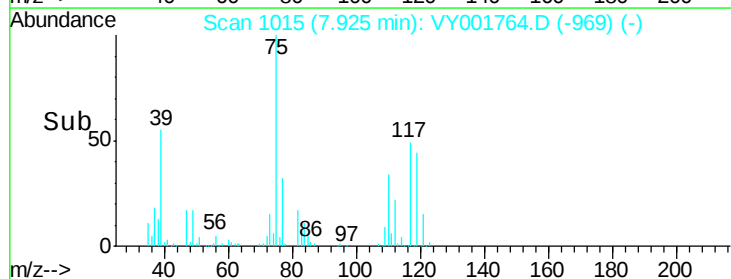
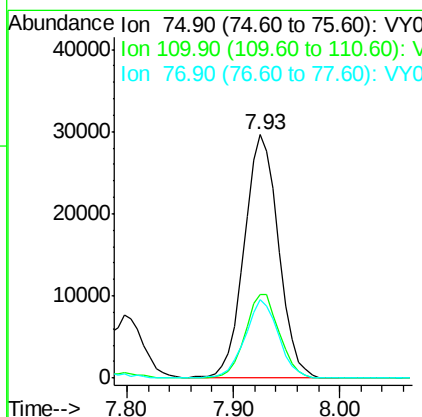
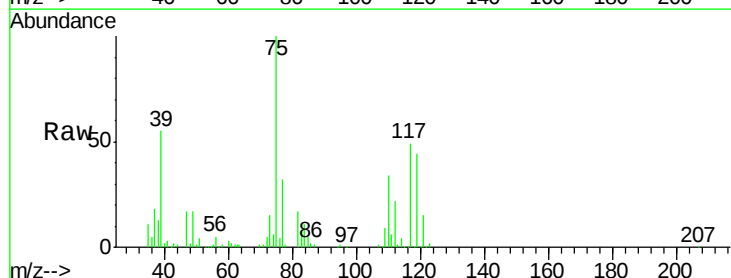
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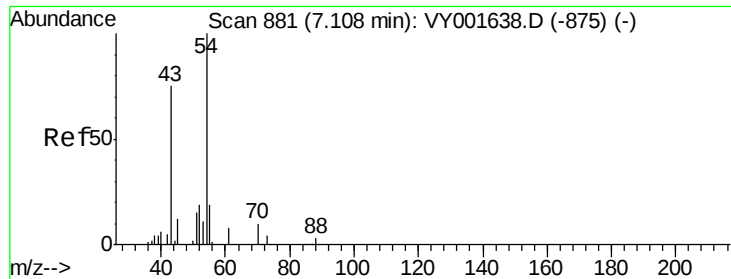
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 2/25/2020 10:53:57 AM



#36
 1,1-Dichloropropene
 Concen: 19.889 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.2	51.6
77	31.4	24.8	37.2





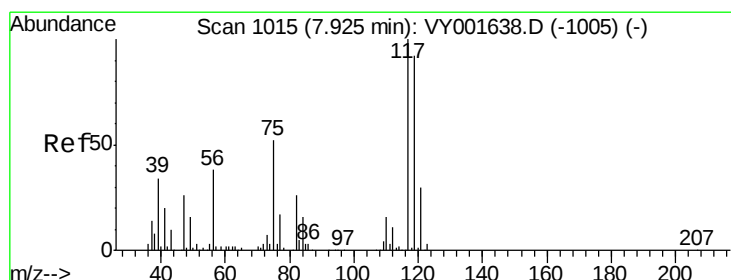
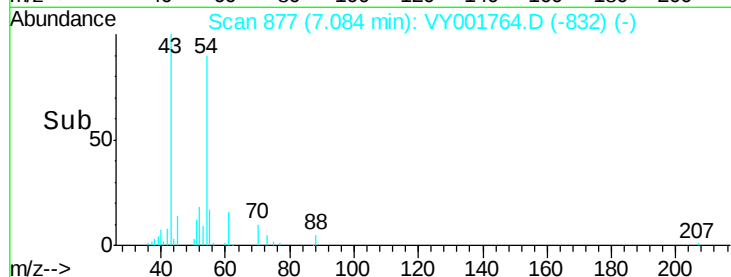
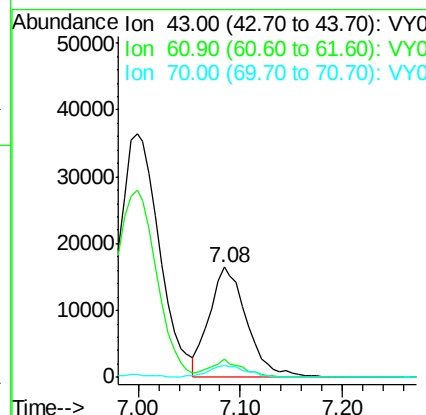
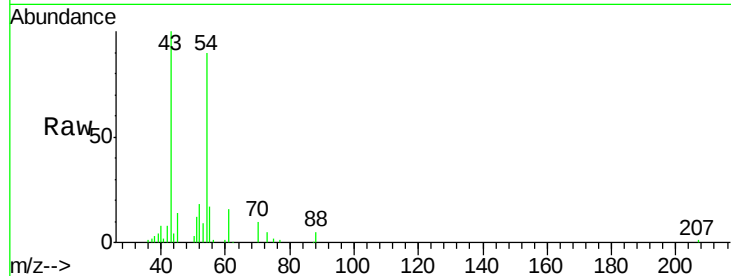
#37
Ethyl Acetate
Concen: 20.752 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.2	8.8	13.2

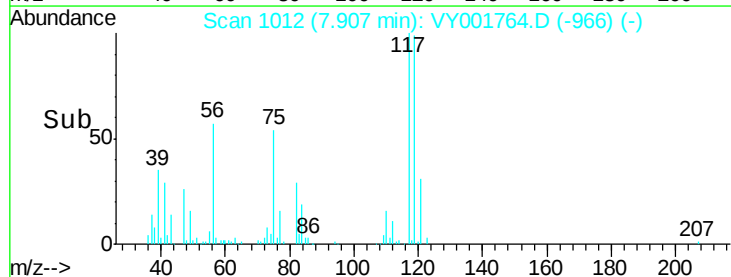
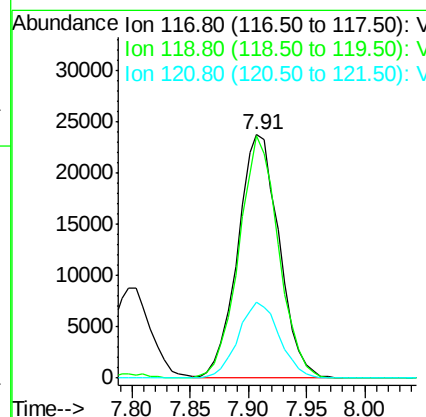
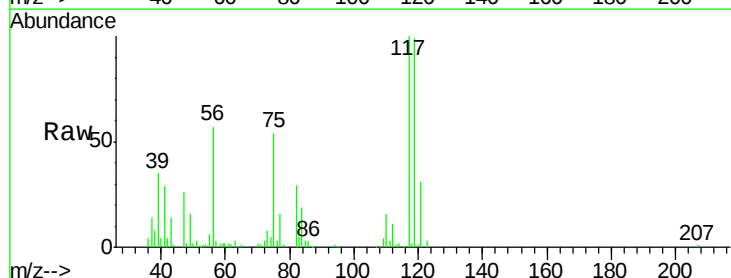
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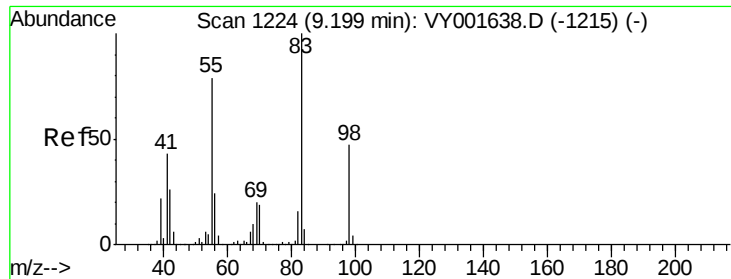
MMDadoda
2/25/2020 10:53:57 AM



#38
Carbon Tetrachloride
Concen: 19.812 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	74.8	112.2
121	31.1	23.8	35.6





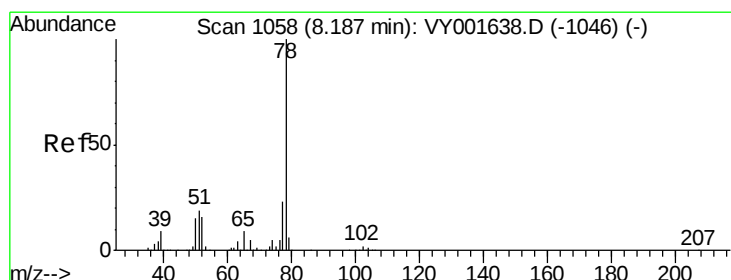
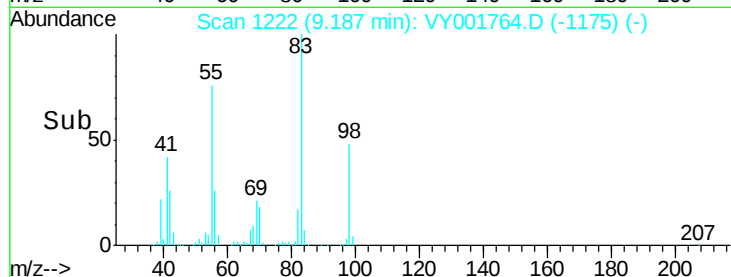
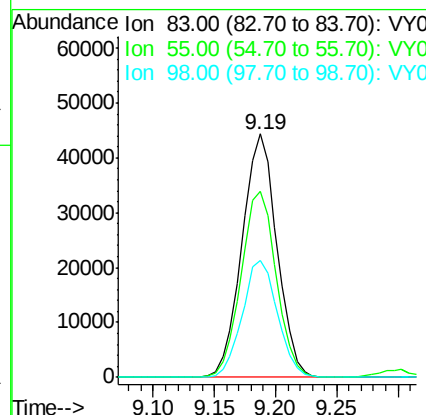
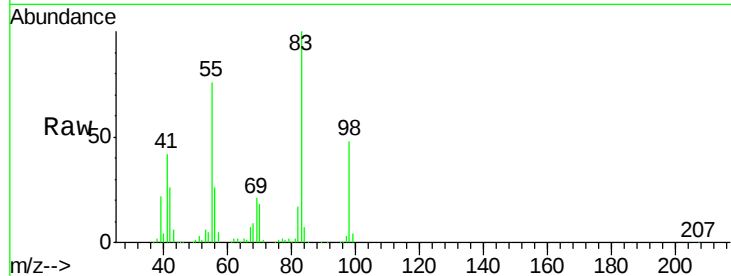
#39
Methvlcvclohexane
Concen: 19.638 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.3	91.9
98	48.2	38.0	57.0

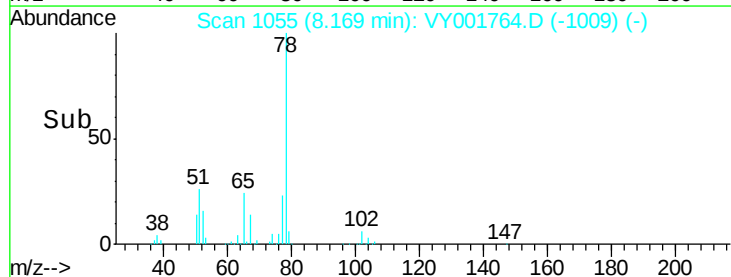
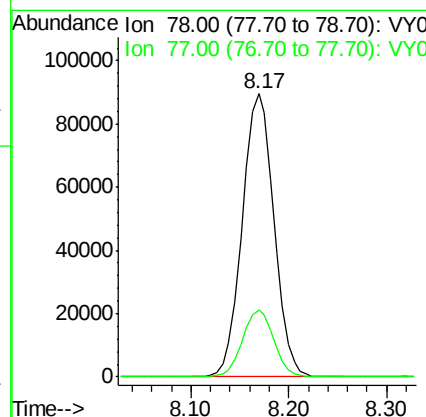
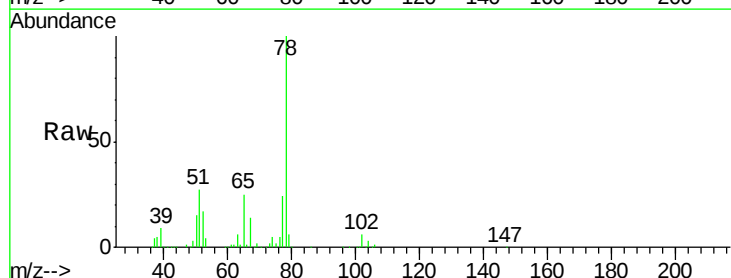
Manual Integrations
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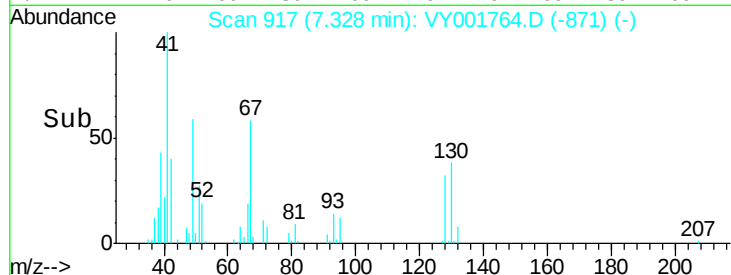
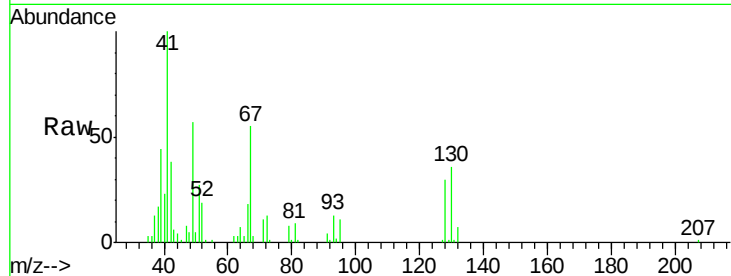
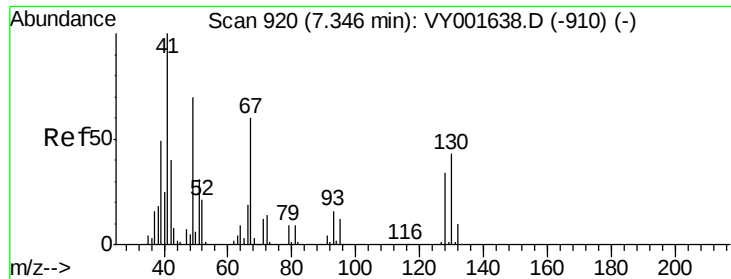
MMDadoda
2/25/2020 10:53:57 AM



#40
Benzene
Concen: 20.213 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.4





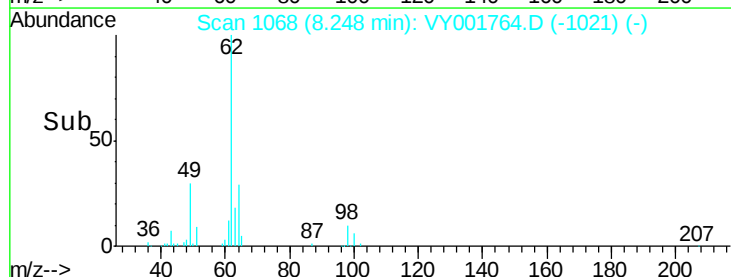
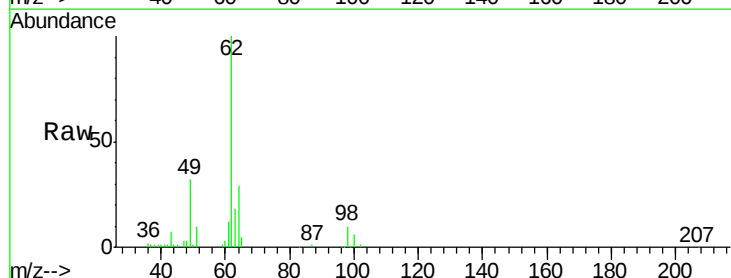
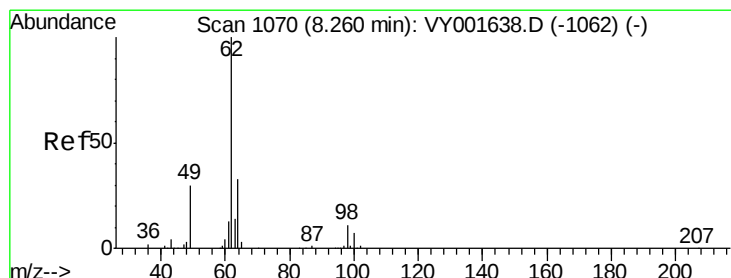
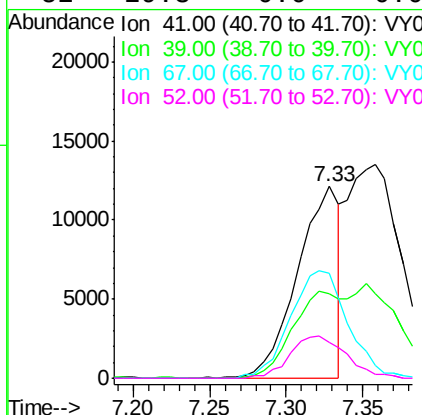
#41
Methacrylonitrile
Concen: 22.922 ug/l
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	36.0	54.0#
67	77.1	0.0	0.0#
52	29.3	0.0	0.0#

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

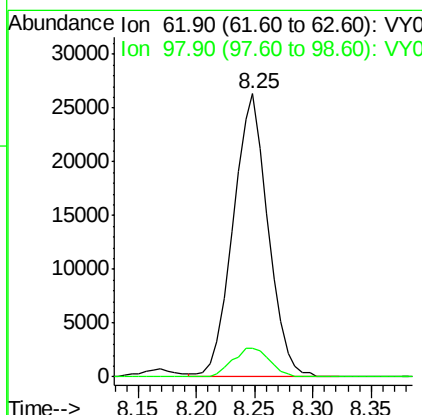
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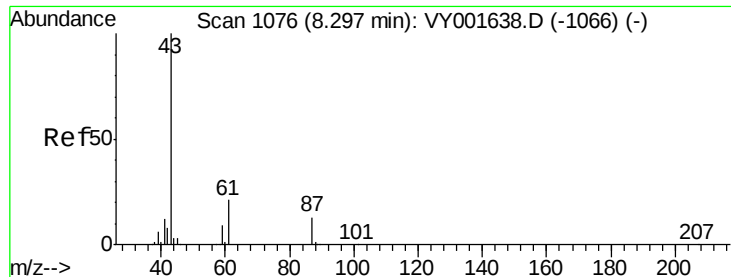
MMDadoda
2/25/2020 10:53:57 AM



#42
1,2-Dichloroethane
Concen: 20.261 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.8





#43

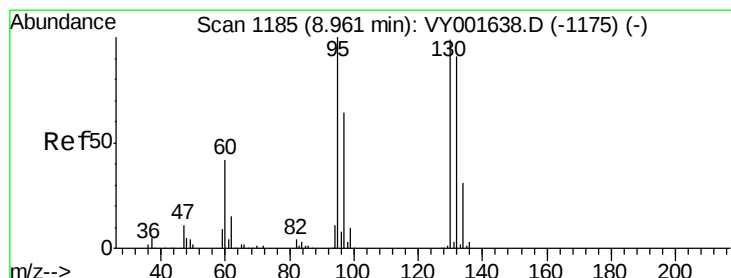
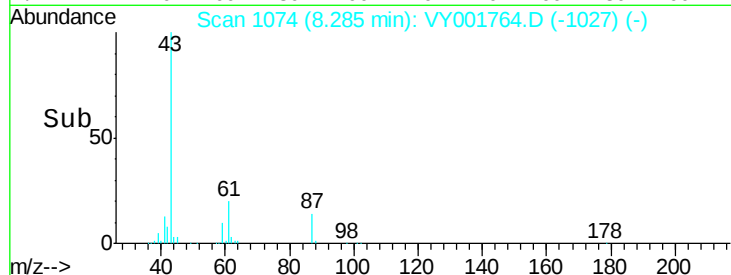
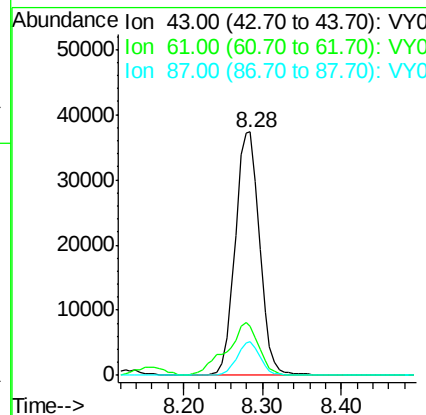
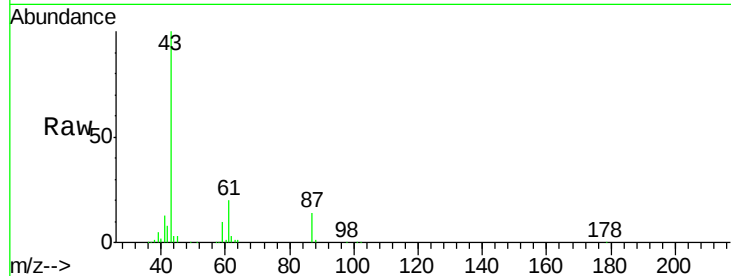
Isopropyl Acetate
 Concen: 20.955 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	43	Resp	80249
Ion Ratio	100	Lower	Upper
43	100		
61	28.6	23.0	34.4
87	13.1	10.7	16.1

Manual Integrations
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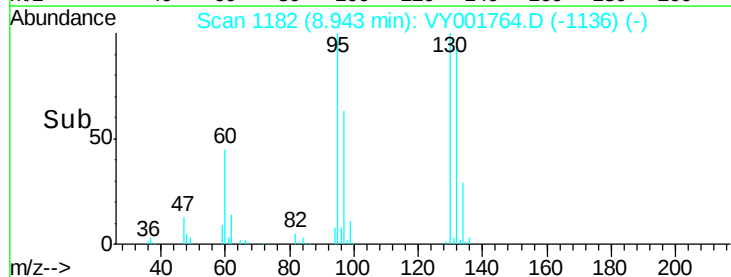
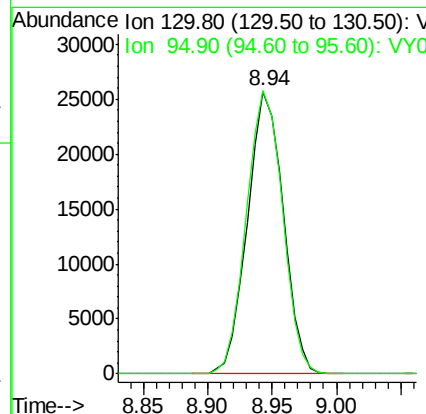
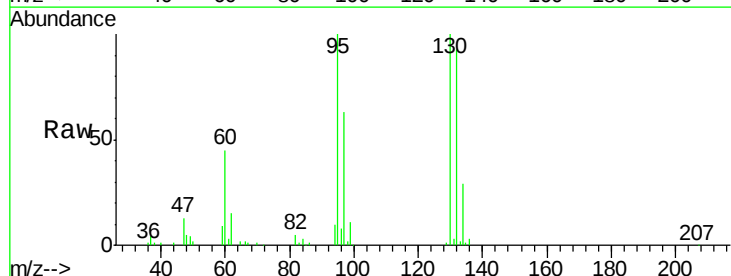
MMDadoda
 2/25/2020 10:53:57 AM

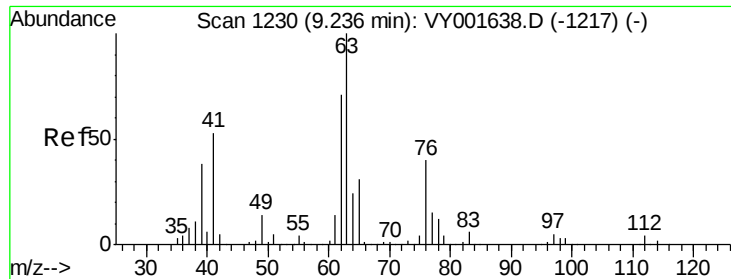


#44

Trichloroethene
 Concen: 19.871 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	130	Resp	49335
Ion Ratio	100	Lower	Upper
130	100		
95	100.3	0.0	200.6





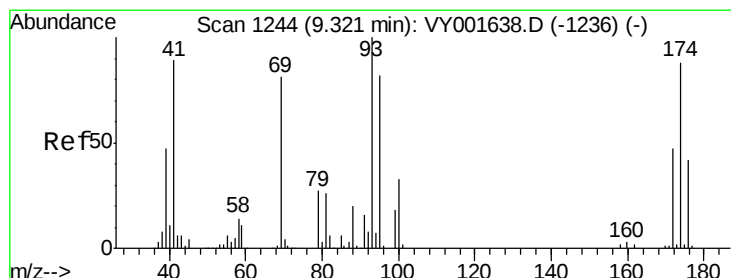
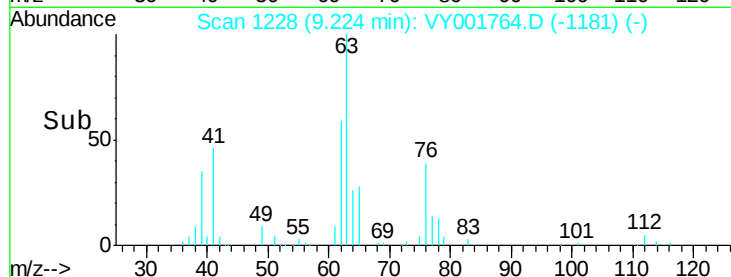
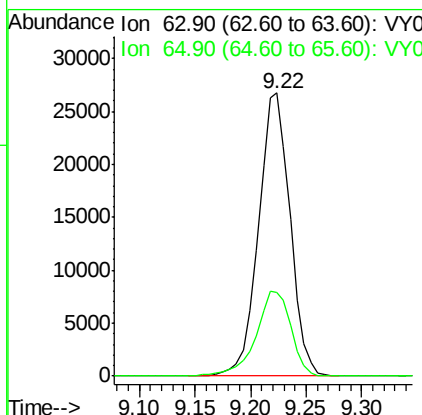
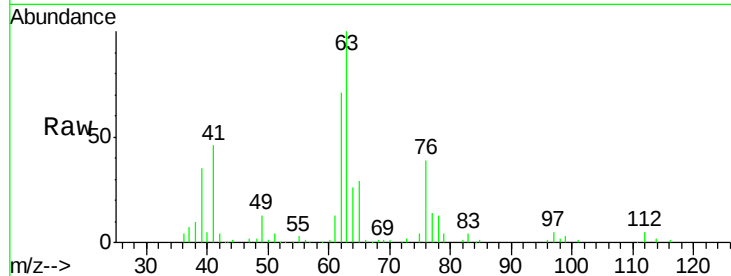
#45
 1,2-Dichloropropane
 Concen: 21.184 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion: 63 Resp: 52767
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.6 37.0

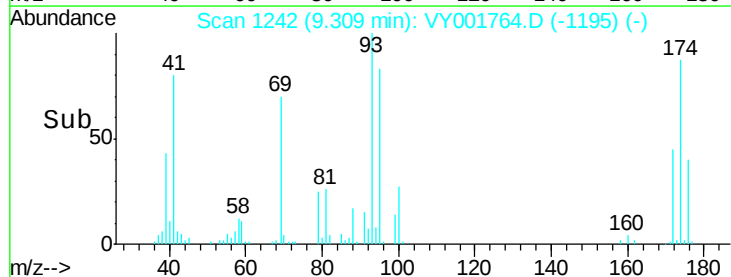
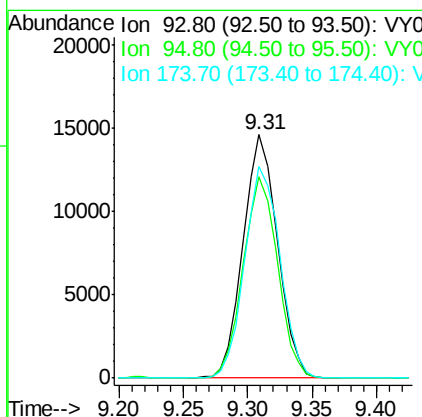
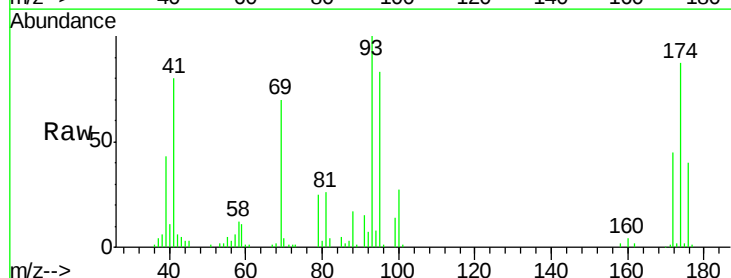
Manual Integrations
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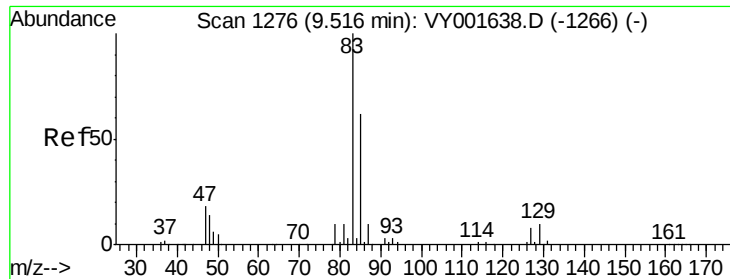
MMDadoda
 2/25/2020 10:53:57 AM



#46
 Dibromomethane
 Concen: 20.717 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion: 93 Resp: 26991
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.1 99.1
 174 89.4 72.5 108.7





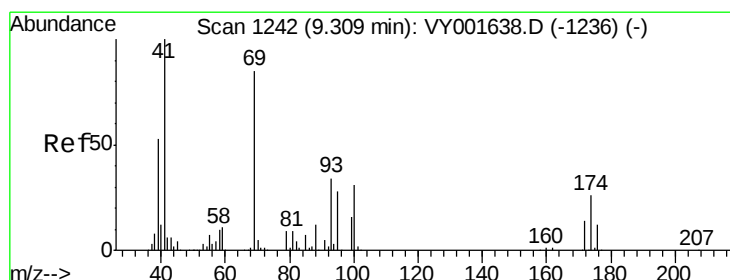
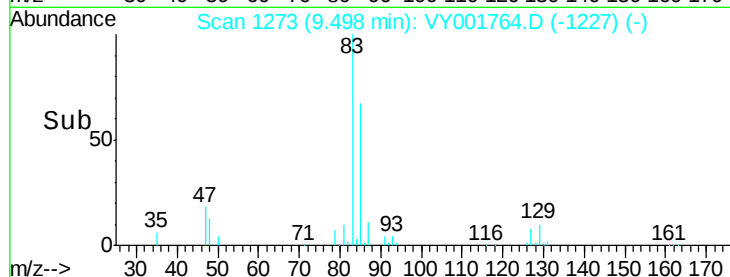
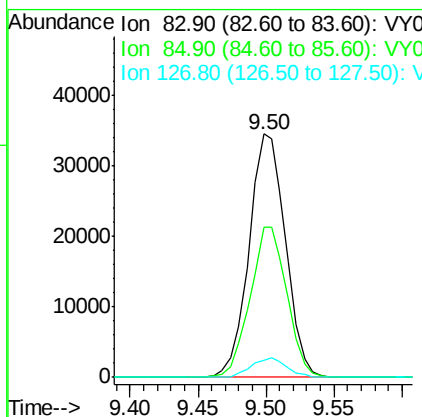
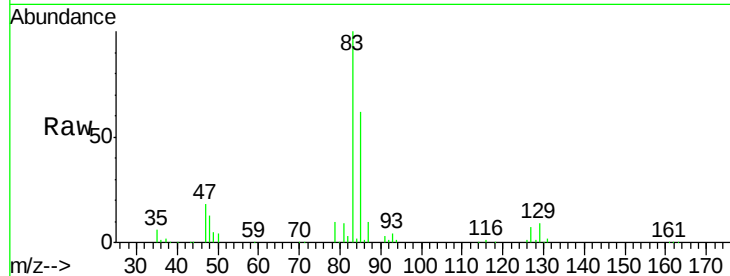
#47
Bromodichloromethane
Concen: 20.560 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	83	Resp	64648
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	51.4	77.0
127	6.9	6.4	9.6

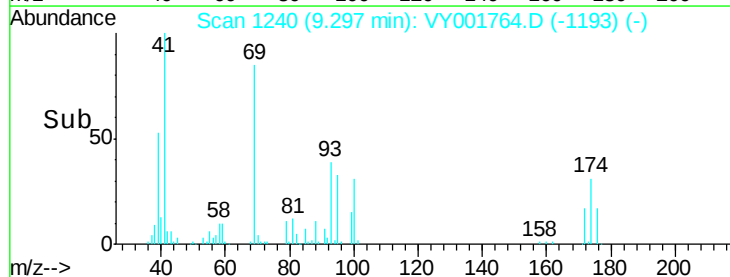
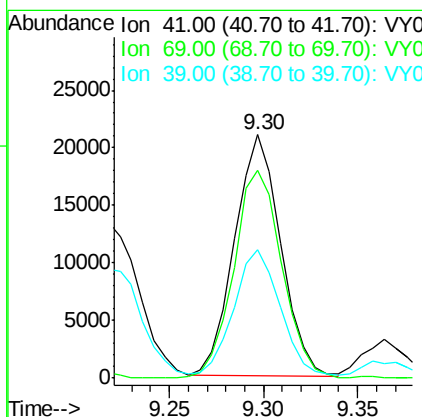
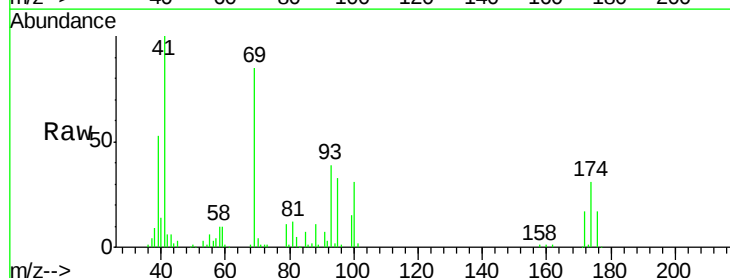
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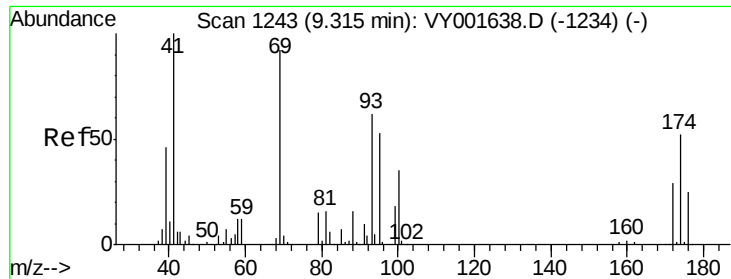
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#48
Methyl methacrylate
Concen: 20.446 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	41	Resp	35413
Ion Ratio	100	Lower	Upper
41	100		
69	90.3	70.7	106.1
39	55.3	42.2	63.2





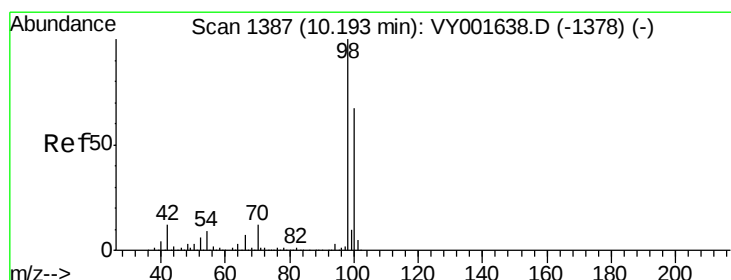
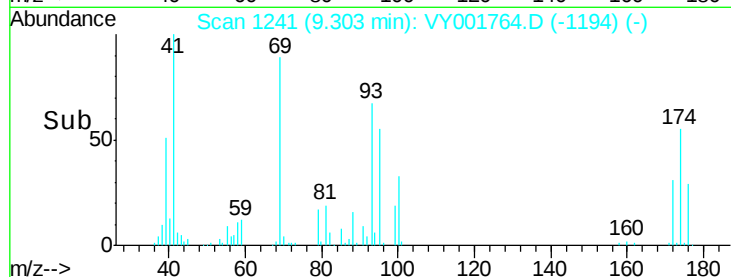
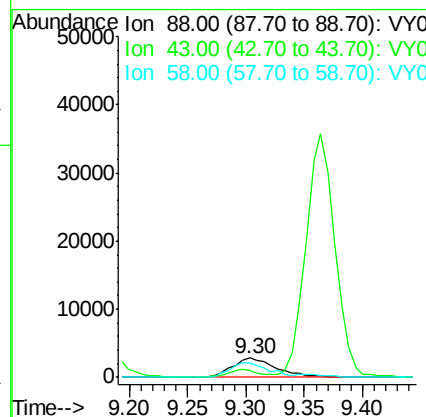
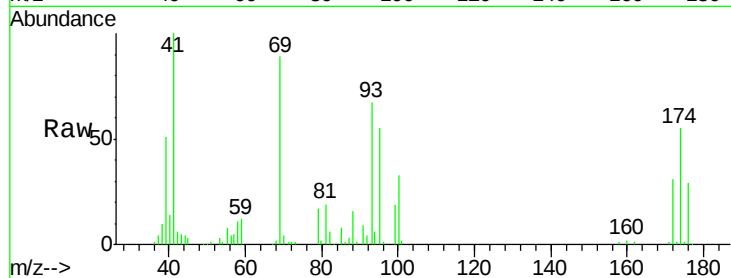
#49
1,4-Dioxane
Concen: 402.372 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

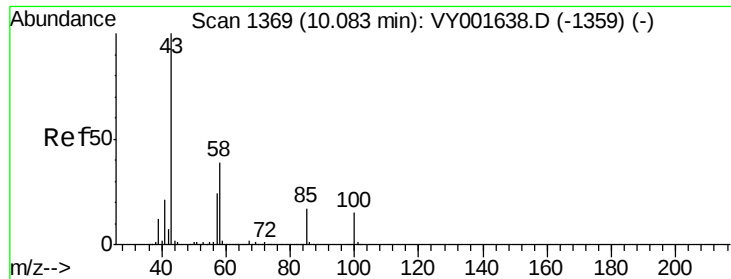
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	88	Resp	7404
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.1	34.7
58	78.1	58.1	87.1

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#51

4-Methyl-2-Pentanone

Concen: 105.247 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 43 Resp: 207087

Ion Ratio Lower Upper

43 100

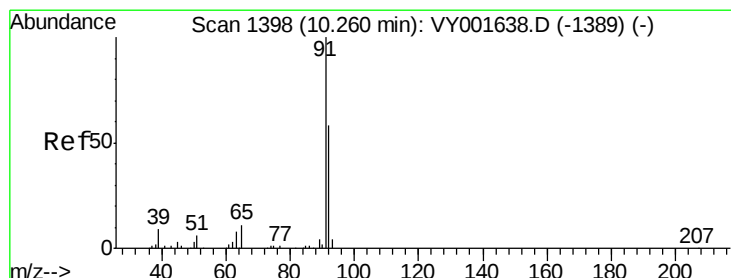
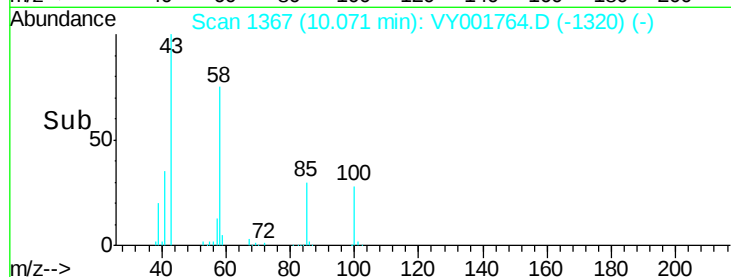
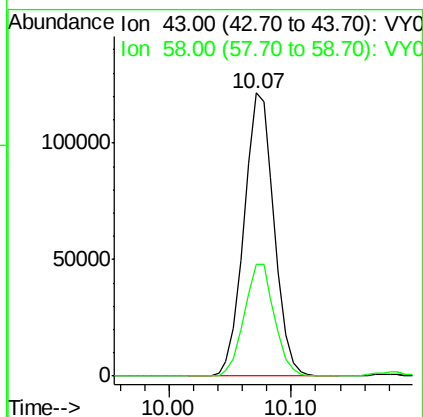
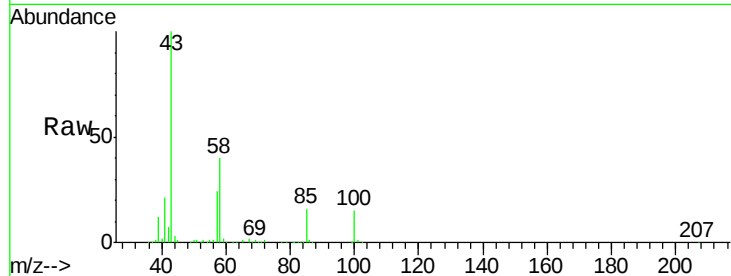
58 39.7 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 20.340 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001764.D

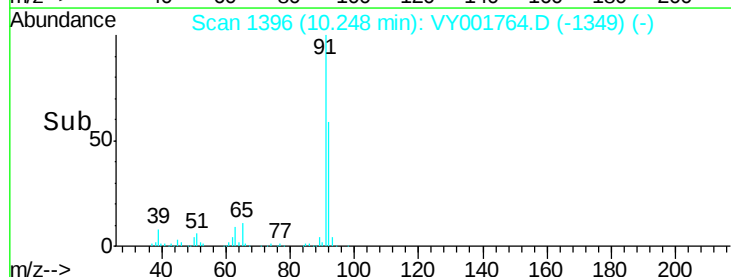
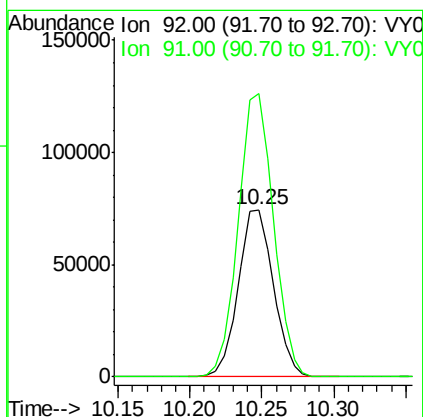
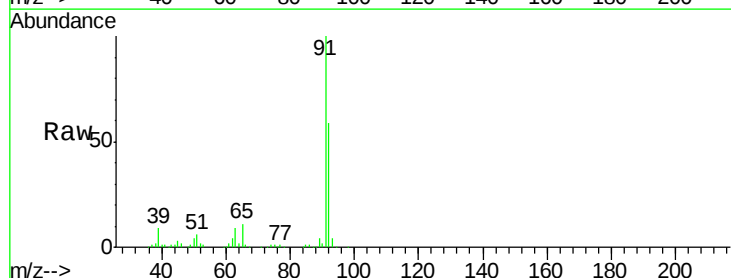
Acq: 24 Feb 2020 11:49

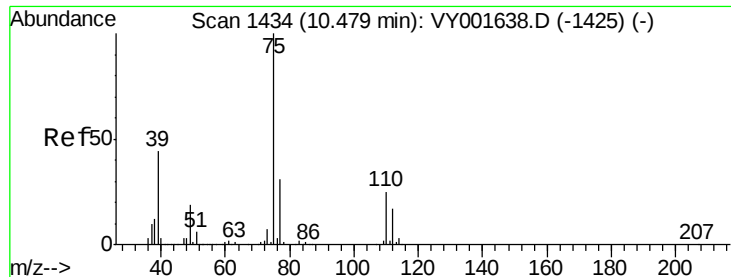
Tgt Ion: 92 Resp: 126188

Ion Ratio Lower Upper

92 100

91 169.9 137.0 205.6





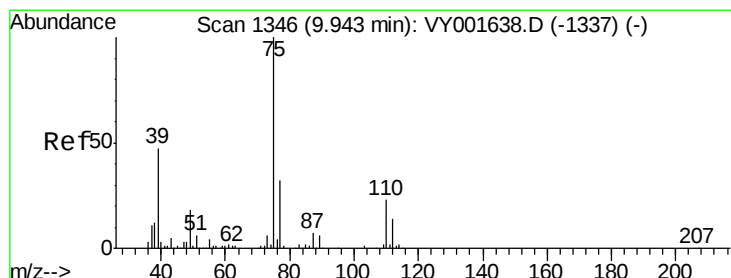
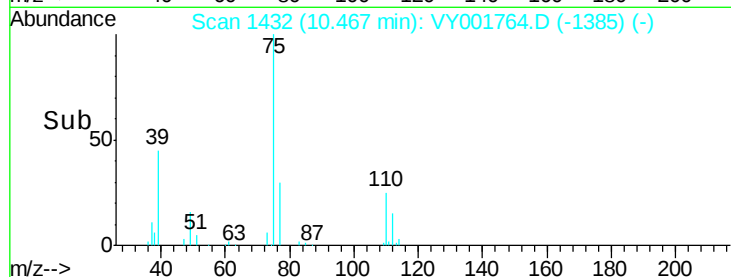
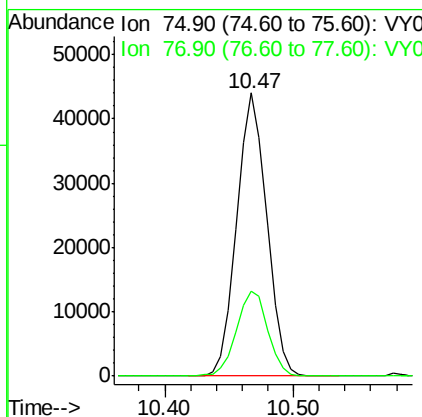
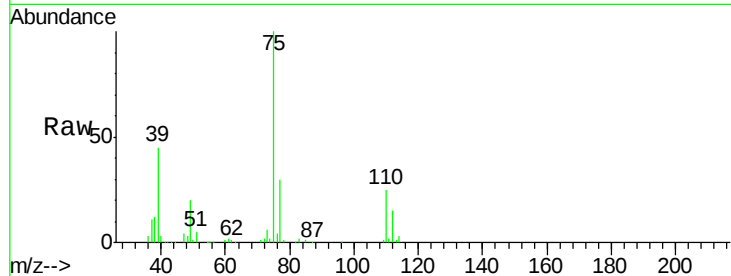
#53
t-1,3-Dichloropropene
Concen: 20.419 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 75 Resp: 70978
Ion Ratio Lower Upper
75 100
77 30.0 25.2 37.8

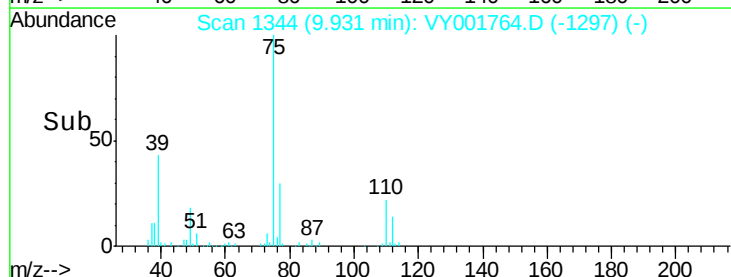
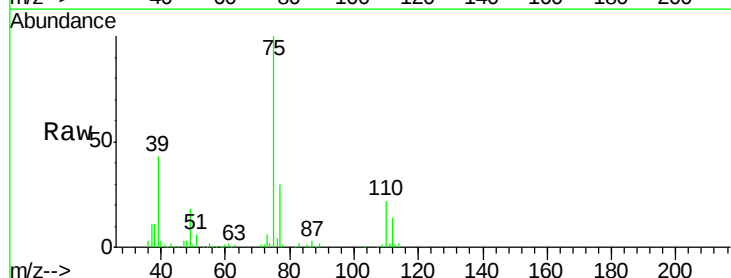
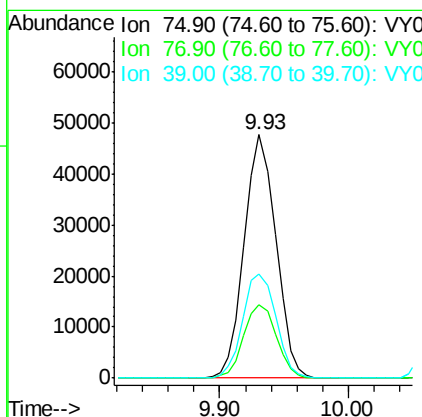
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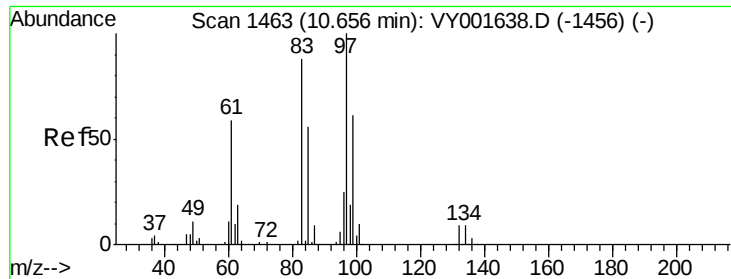
MMDadoda
2/25/2020 10:53:57 AM



#54
cis-1,3-Dichloropropene
Concen: 20.298 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion: 75 Resp: 81207
Ion Ratio Lower Upper
75 100
77 30.1 25.7 38.5
39 42.7 35.7 53.5





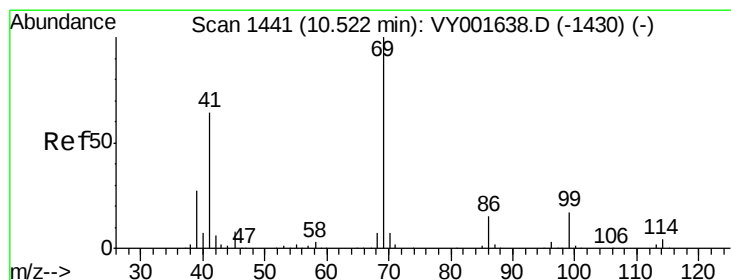
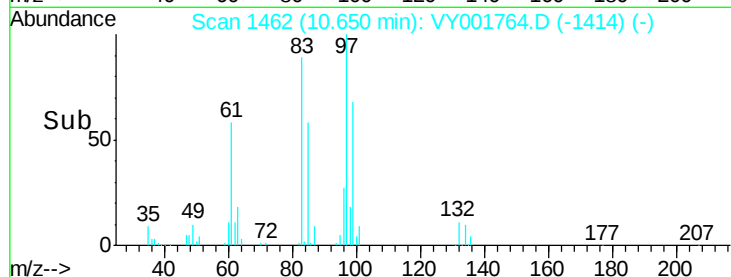
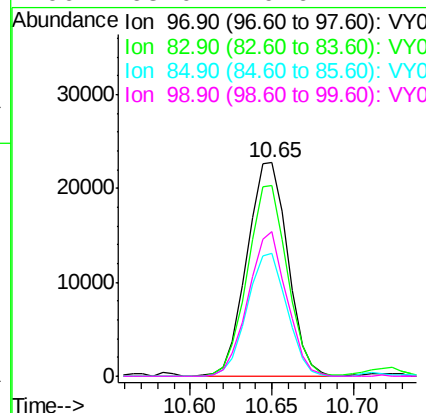
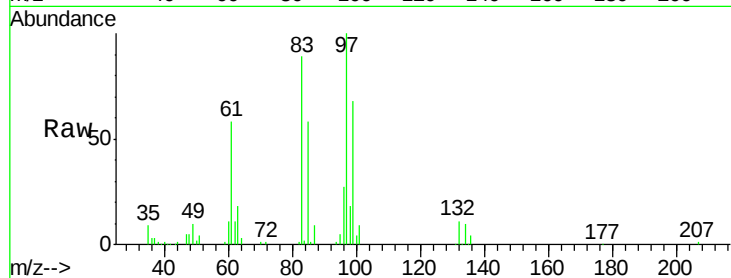
#55
1,1,2-Trichloroethane
Concen: 20.678 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.7	104.5
85	57.7	44.5	66.7
99	68.0	49.6	74.4

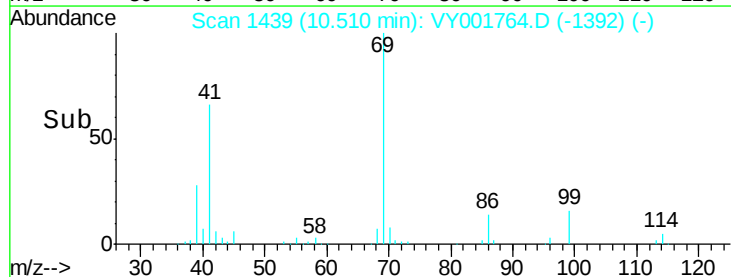
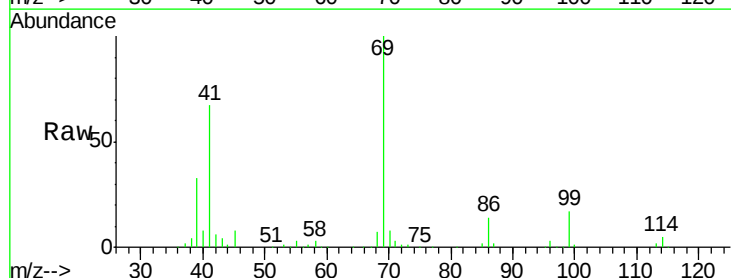
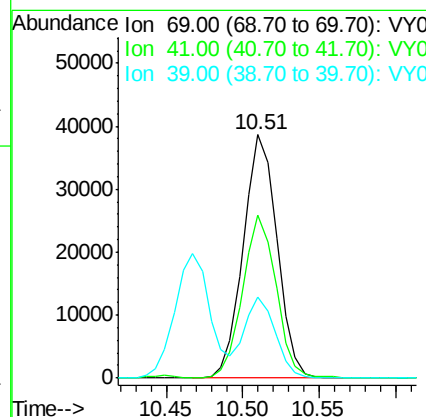
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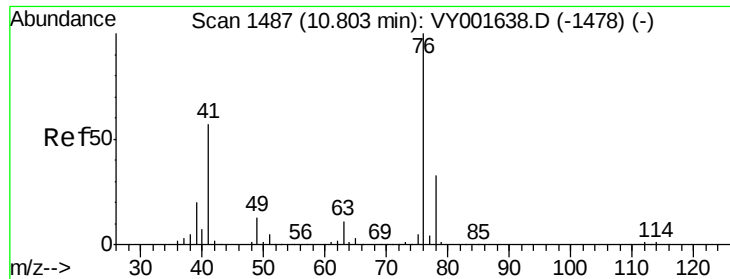
MMDadoda
2/25/2020 10:53:57 AM



#56
Ethyl methacrylate
Concen: 20.627 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.0	76.4
39	30.4	24.7	37.1





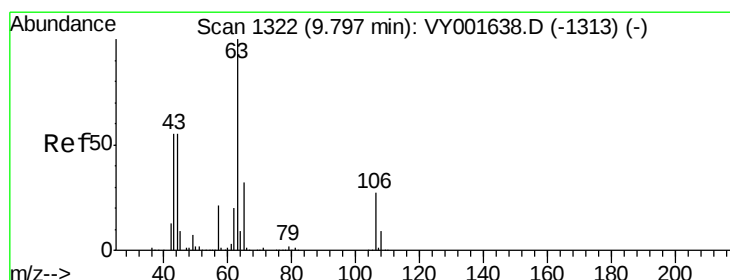
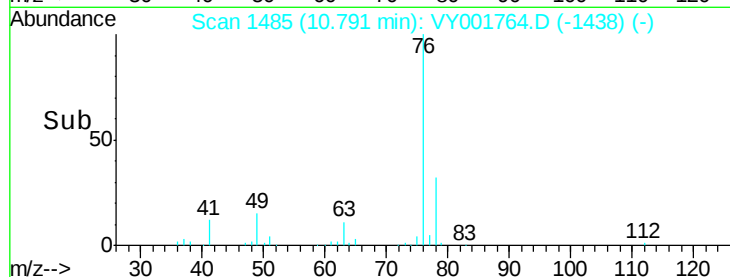
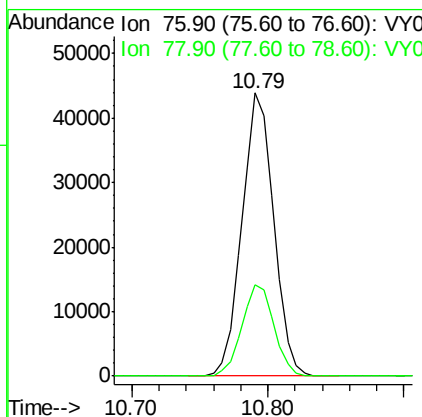
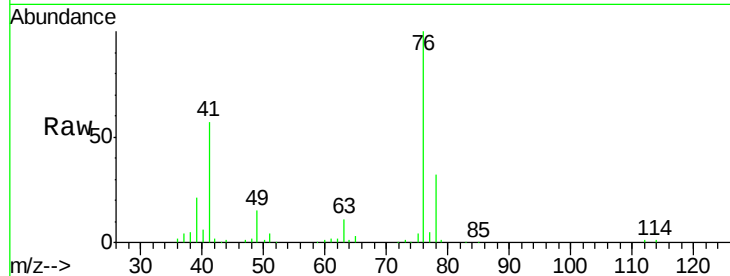
#57
 1,3-Dichloropropane
 Concen: 20.992 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion: 76 Resp: 71654
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

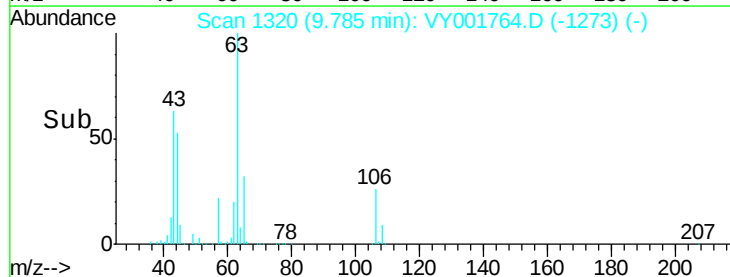
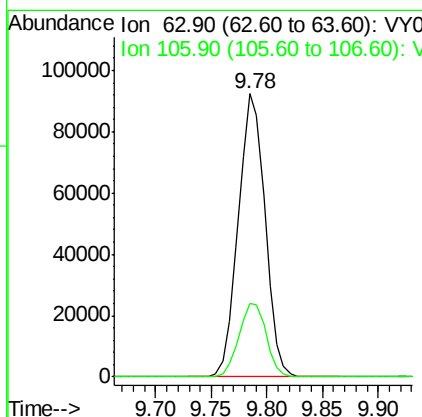
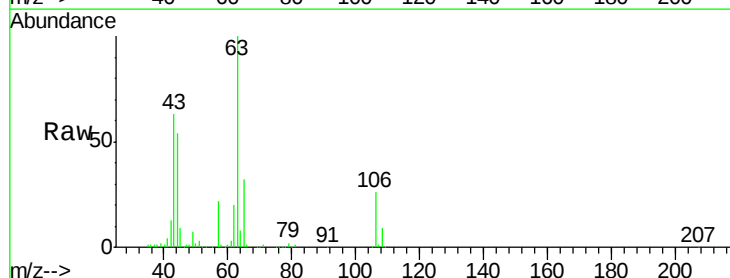
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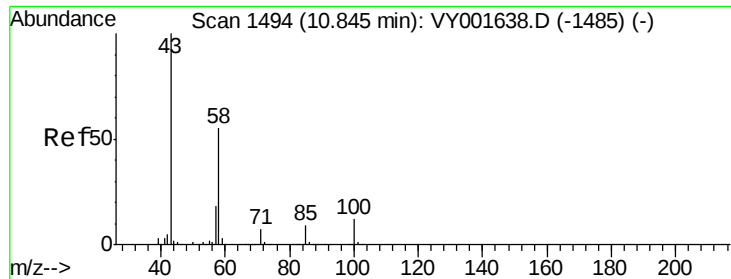
MMDadoda
 2/25/2020 10:53:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.982 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion: 63 Resp: 153828
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.6 32.4





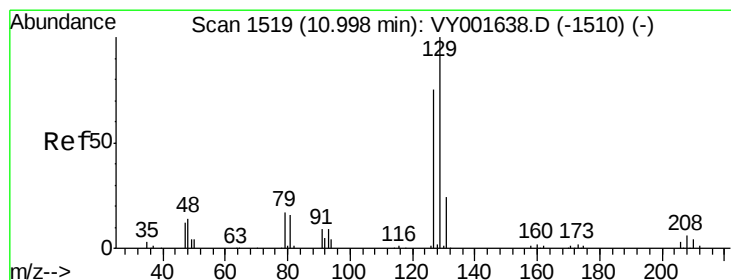
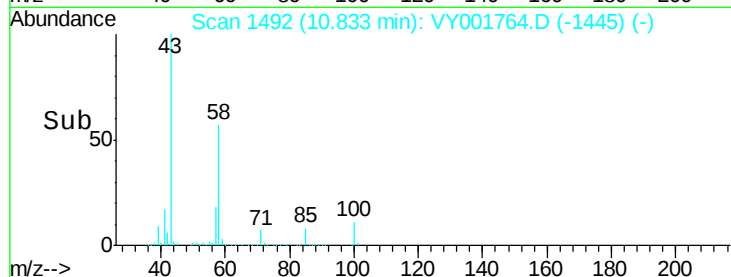
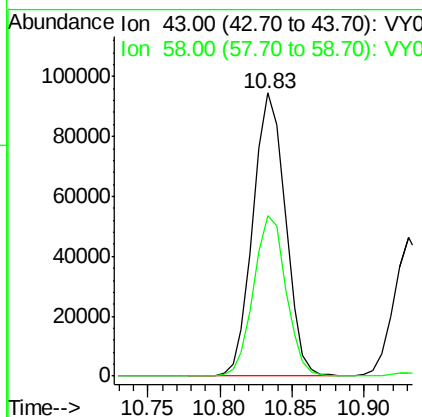
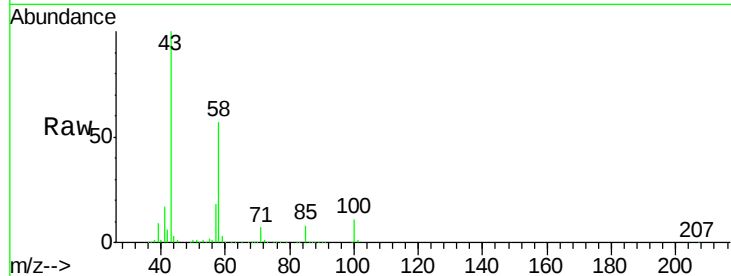
#59
2-Hexanone
Concen: 99.810 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 43 Resp: 147355
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

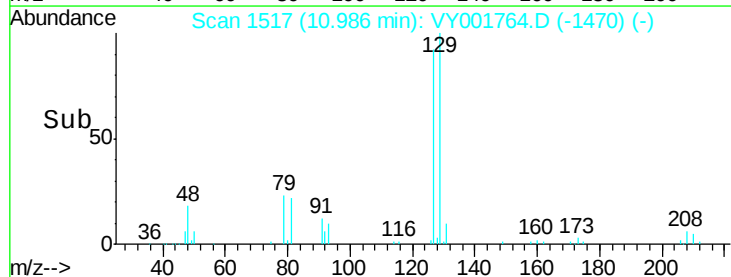
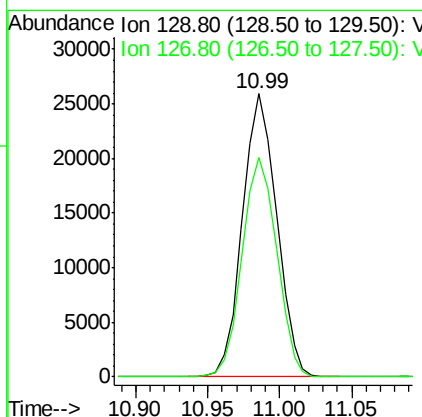
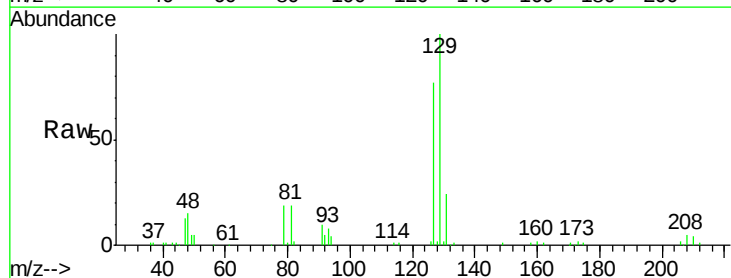
Manual Integrations
APPROVED

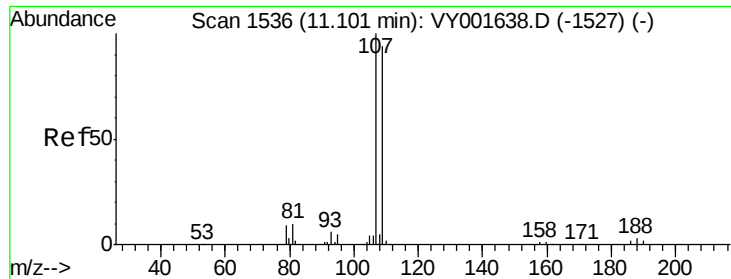
MMDadoda
2/25/2020 10:53:57 AM



#60
Dibromochloromethane
Concen: 20.166 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion: 129 Resp: 42712
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.6





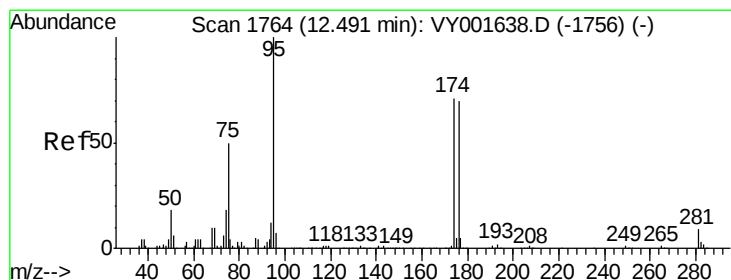
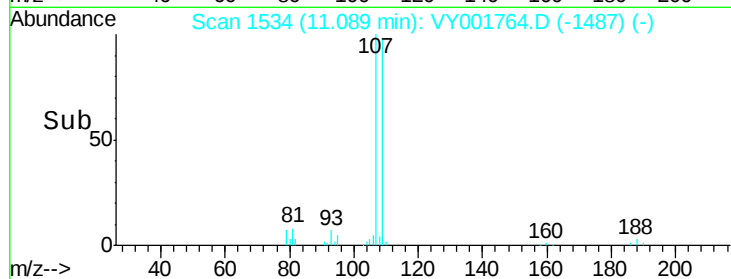
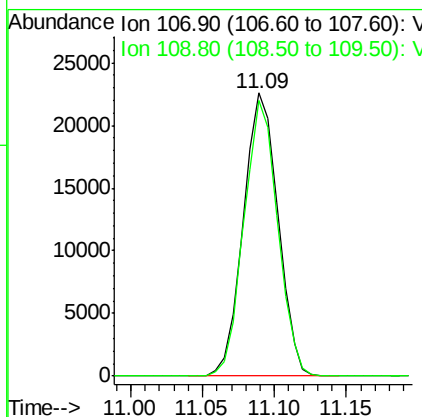
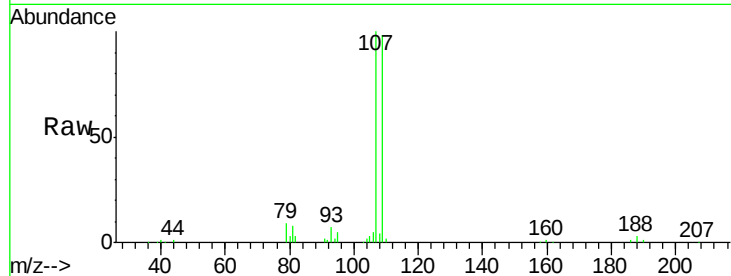
#61
 1,2-Dibromoethane
 Concen: 20.716 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.2	111.4

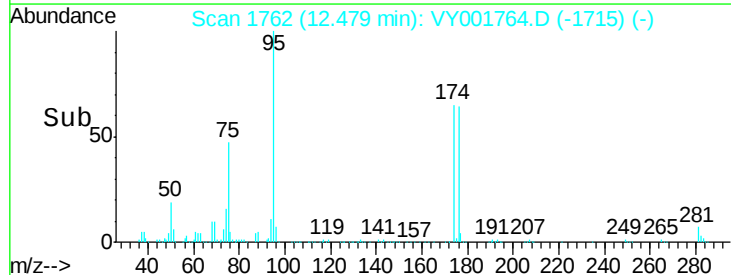
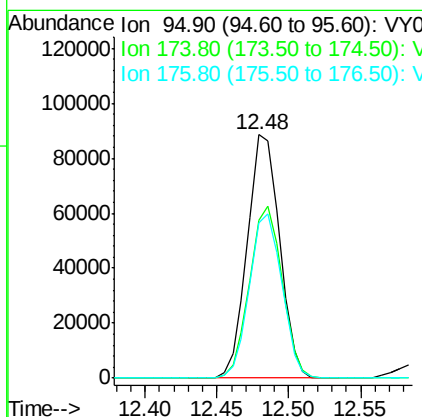
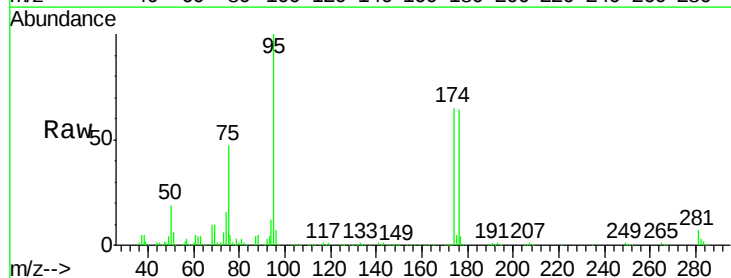
Manual Integrations
 APPROVED

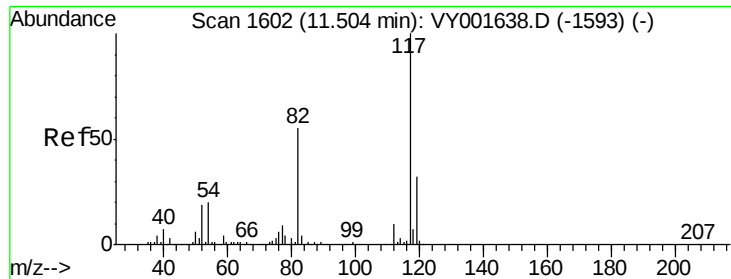
MMDadoda
 2/25/2020 10:53:57 AM



#62
 4-Bromofluorobenzene
 Concen: 44.532 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	138.4
176	67.9	0.0	131.8





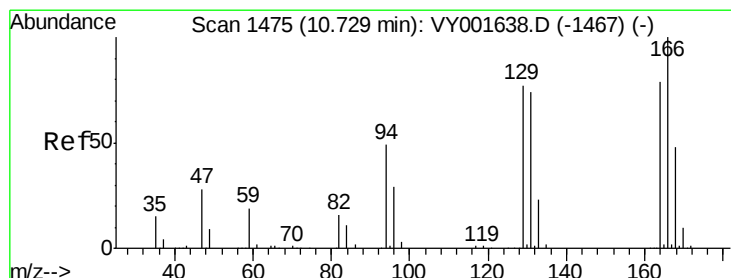
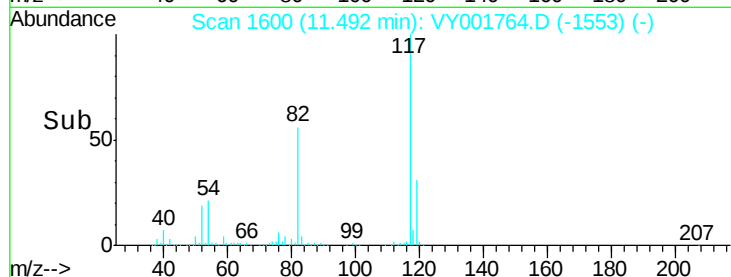
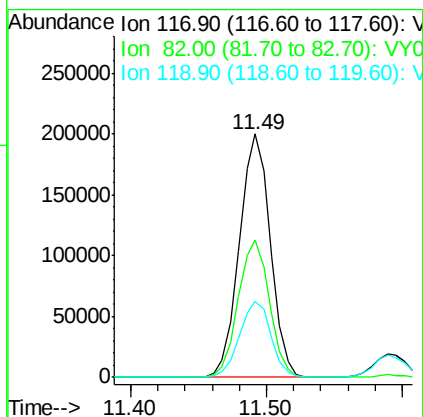
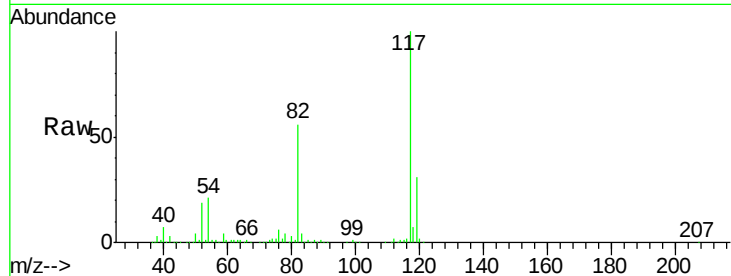
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	316935		
82	56.4		45.5	68.3
119	31.2		25.8	38.6

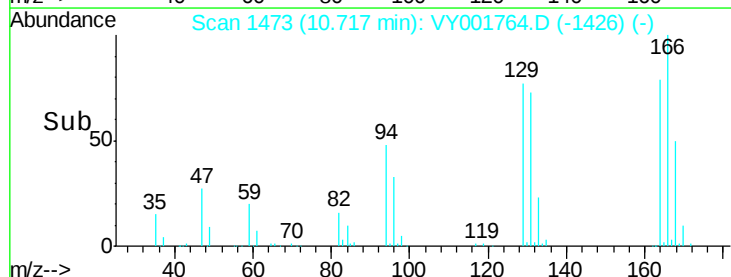
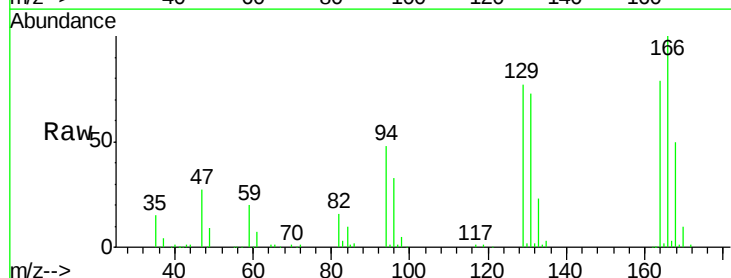
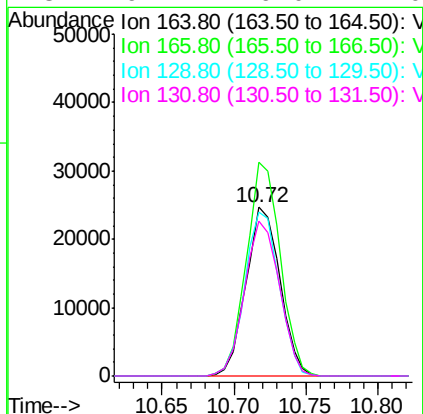
Manual Integrations
APPROVED

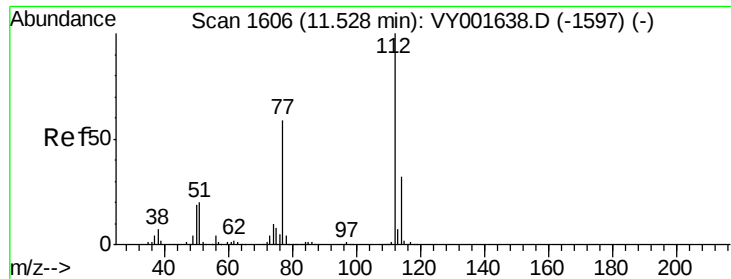
MMDadoda
2/25/2020 10:53:57 AM



#64
Tetrachloroethene
Concen: 20.298 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40384		
166	126.5		101.4	152.0
129	96.8		78.7	118.1
131	92.1		76.0	114.0





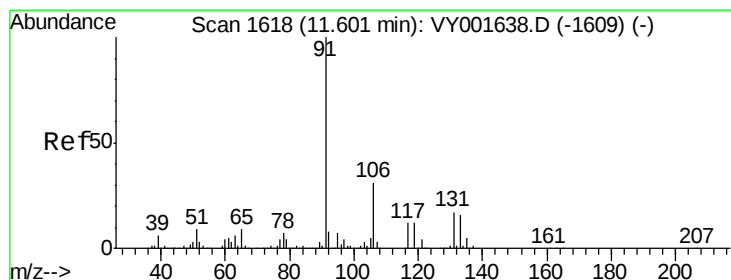
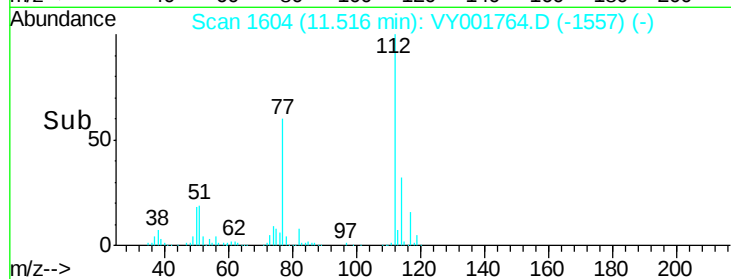
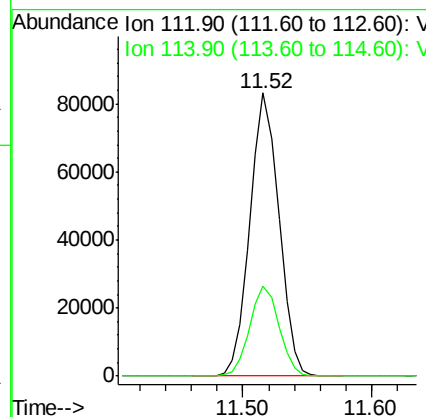
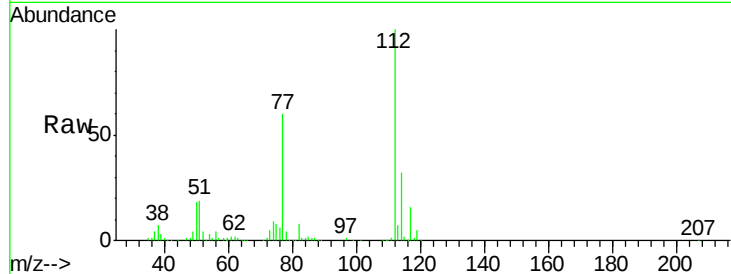
#65
Chlorobenzene
Concen: 20.426 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion:112 Resp: 129244
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

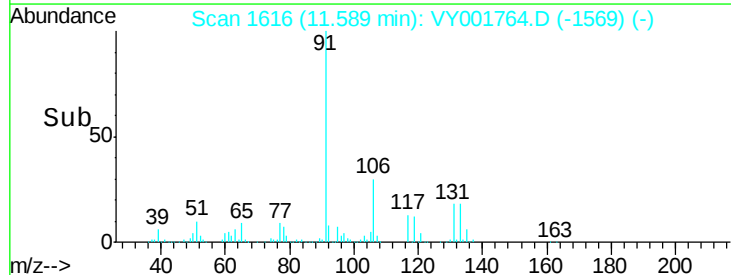
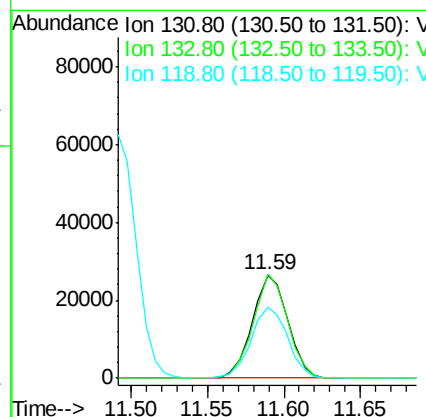
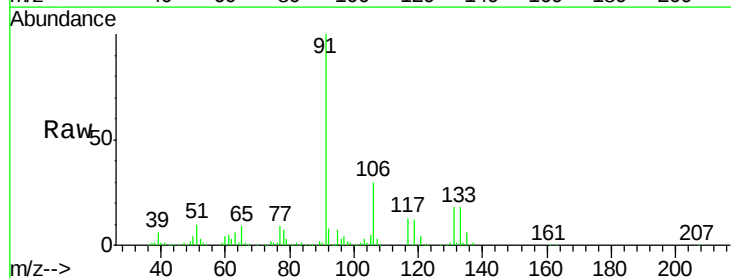
Manual Integrations
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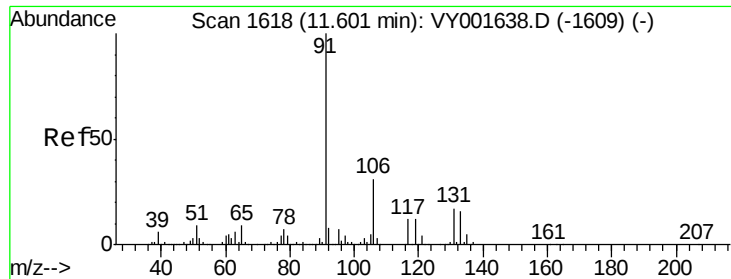
MMDadoda
2/25/2020 10:53:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.034 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion:131 Resp: 42763
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 70.4 34.4 103.1





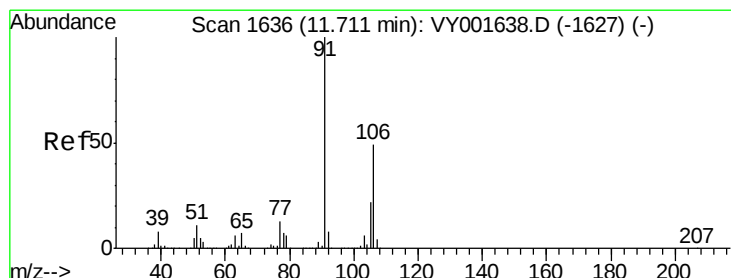
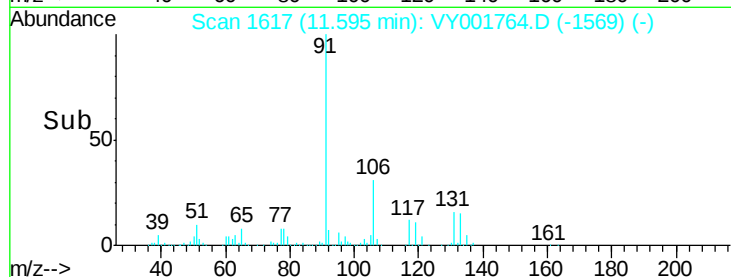
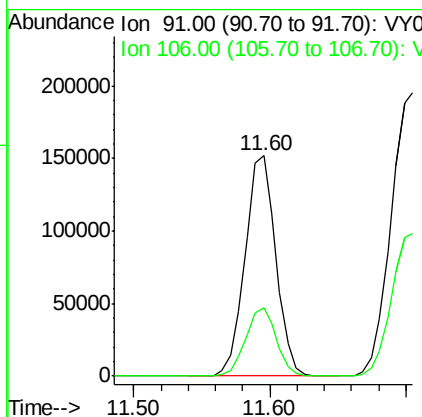
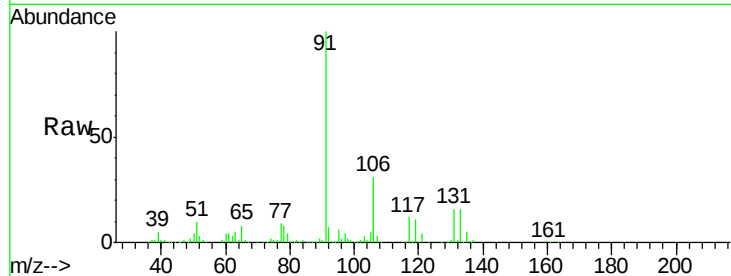
#67
Ethyl Benzene
Concen: 20.506 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 91 Resp: 240787
Ion Ratio Lower Upper
91 100
106 30.9 24.5 36.7

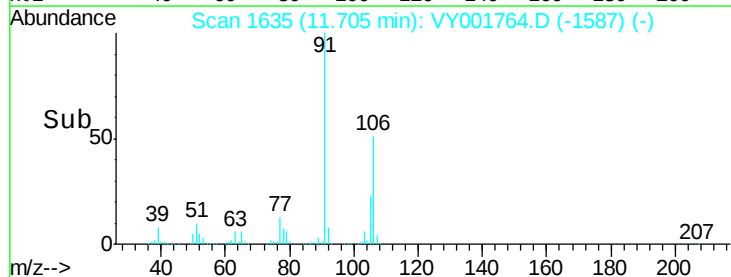
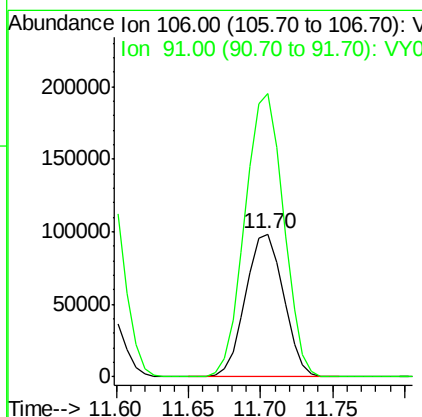
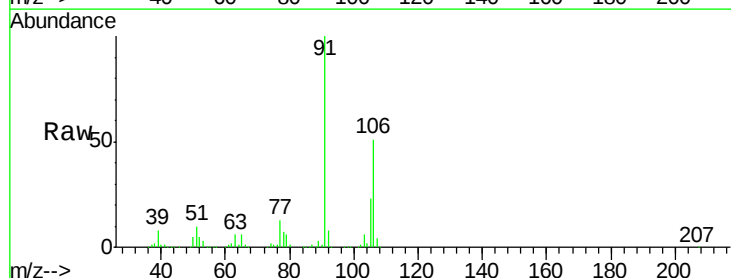
Manual Integrations
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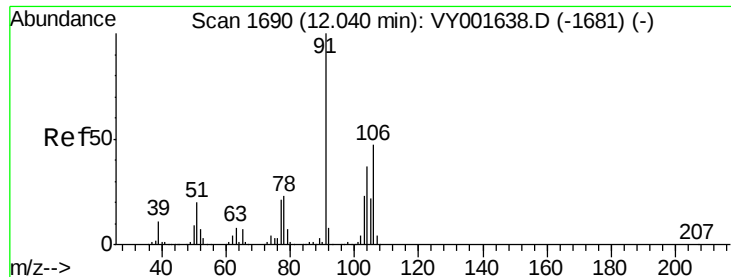
MMDadoda
2/25/2020 10:53:57 AM



#68
m/p-Xylenes
Concen: 41.188 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion: 106 Resp: 180666
Ion Ratio Lower Upper
106 100
91 200.7 163.3 244.9





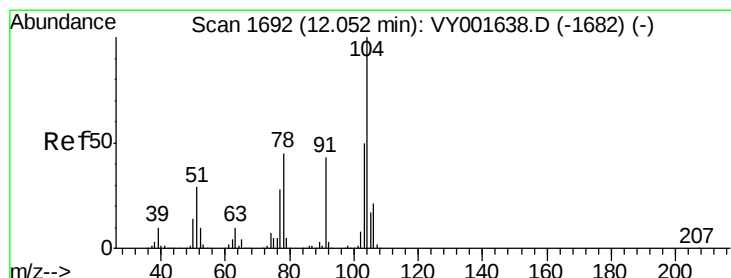
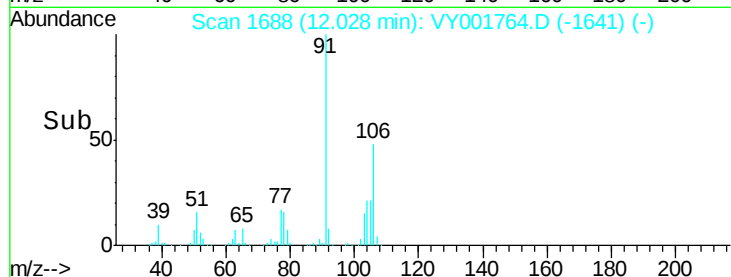
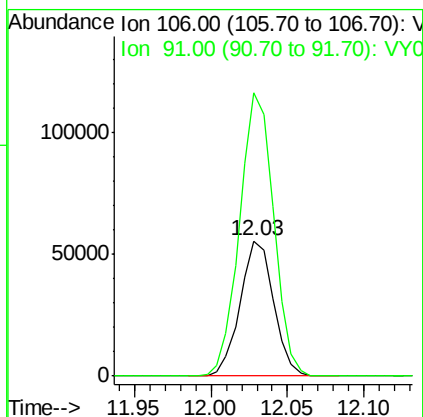
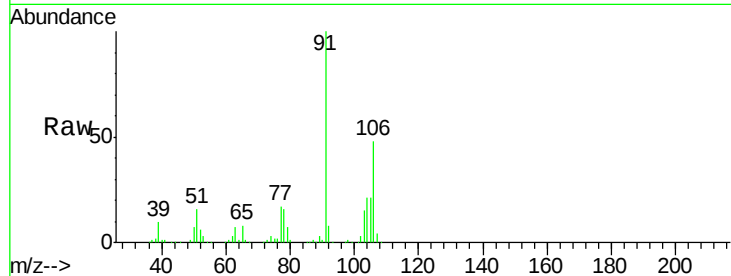
#69
o-Xylene
Concen: 20.248 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion:106 Resp: 84434
Ion Ratio Lower Upper
106 100
91 213.5 108.3 324.9

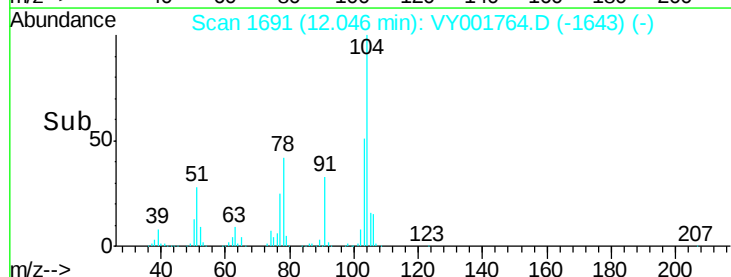
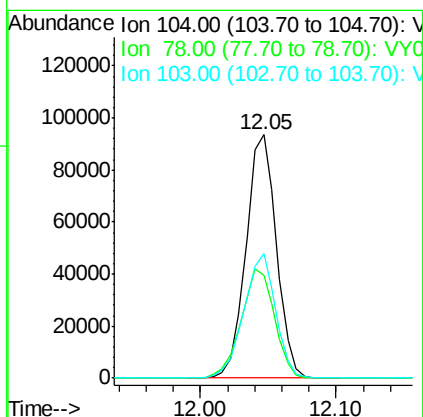
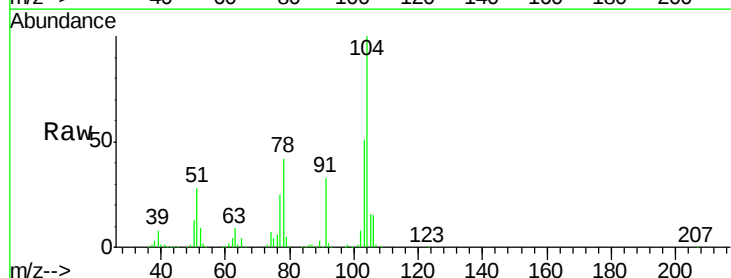
Manual Integrations
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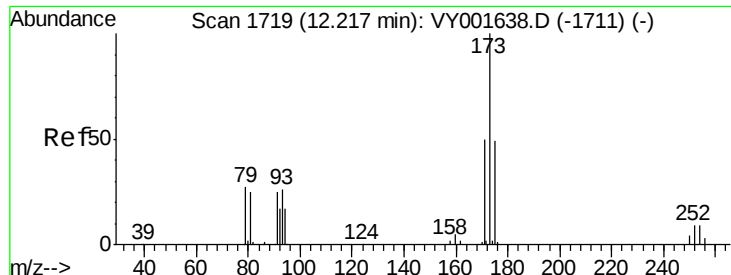
MMDadoda
2/25/2020 10:53:57 AM



#70
Styrene
Concen: 20.231 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion:104 Resp: 146617
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 53.4 43.0 64.6





#71

Bromoform

Concen: 19.811 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:173 Resp: 24166

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

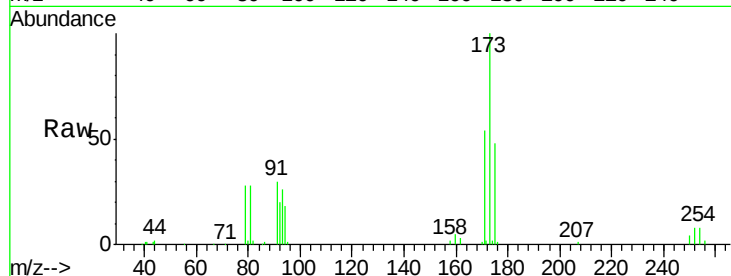
254 0.0 0.1 0.1#

Manual Integrations

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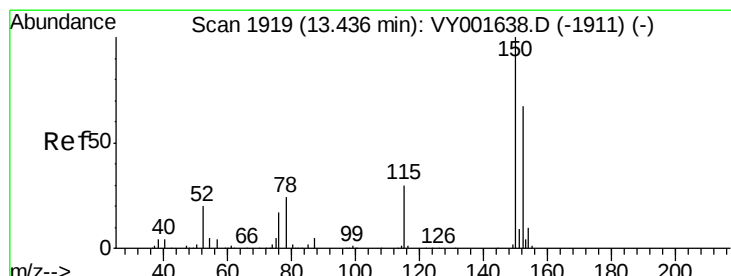
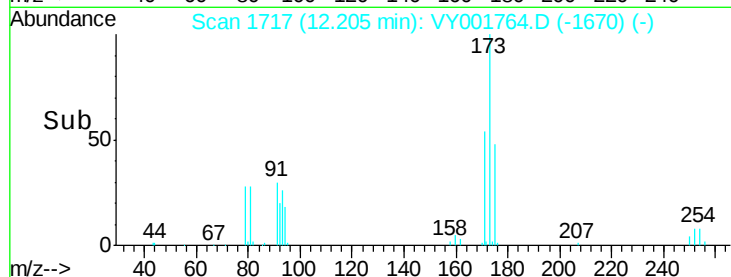
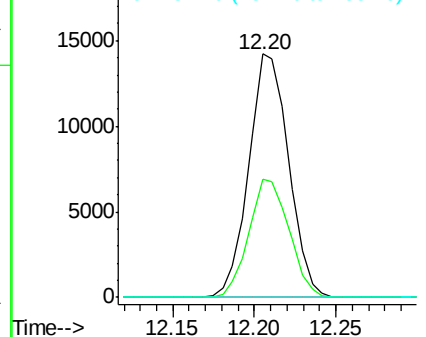
2/25/2020 10:53:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

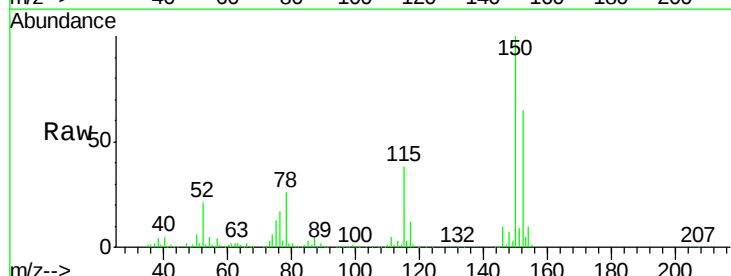
Tgt Ion:152 Resp: 150542

Ion Ratio Lower Upper

152 100

115 62.5 31.4 94.2

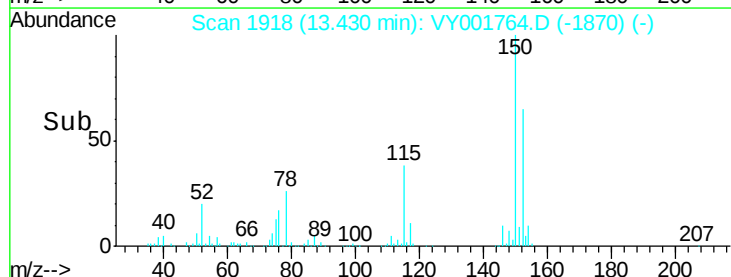
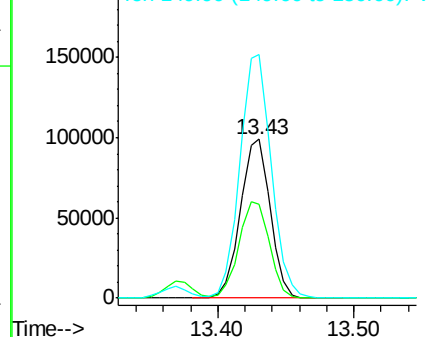
150 161.9 0.0 407.2

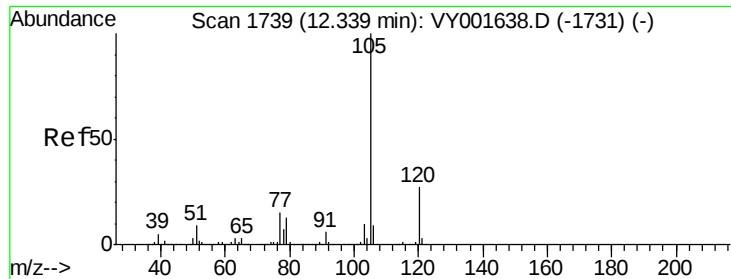


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





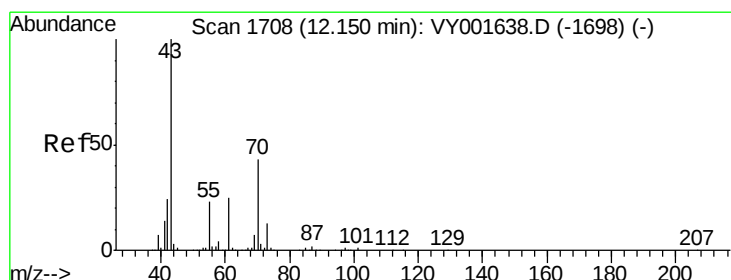
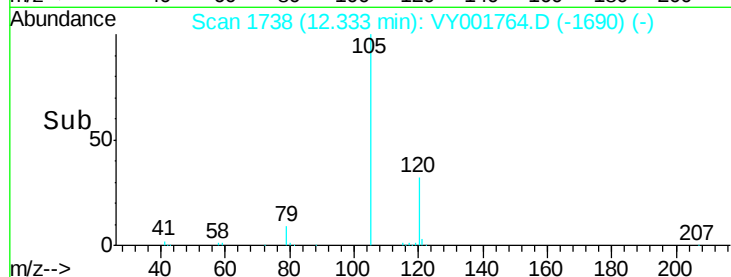
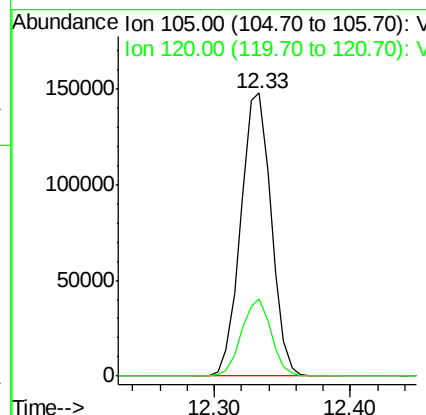
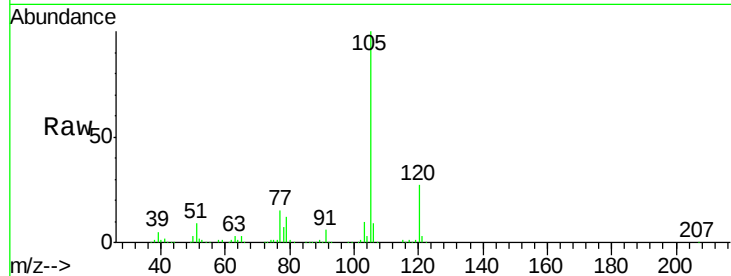
#73
Isopropylbenzene
Concen: 20.044 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	229881		
120	26.4		13.4	40.1

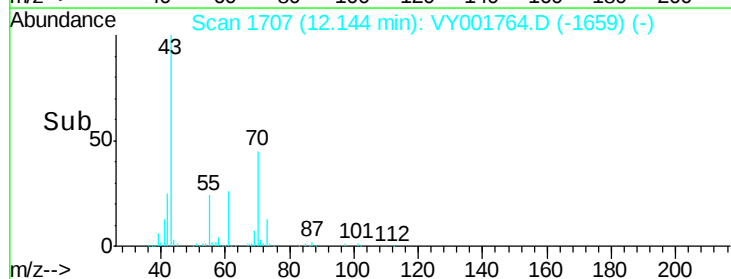
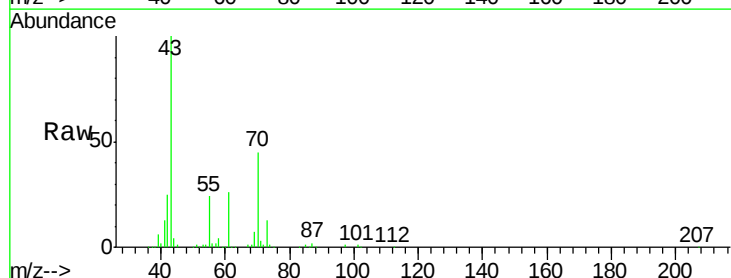
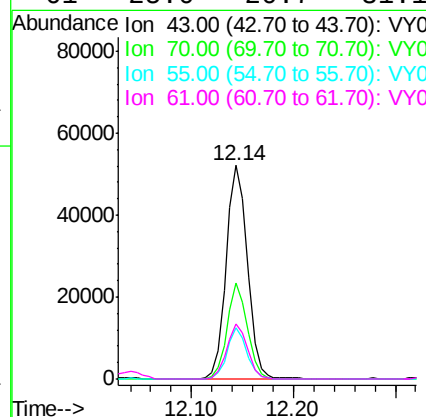
Manual Integrations
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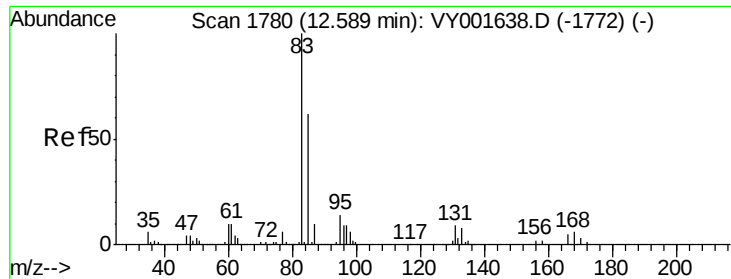
MMDadoda
2/25/2020 10:53:57 AM



#74
N-ethyl acetate
Concen: 20.681 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	75695		
70	42.6		35.9	53.9
55	22.5		18.3	27.5
61	25.0		20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.465 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

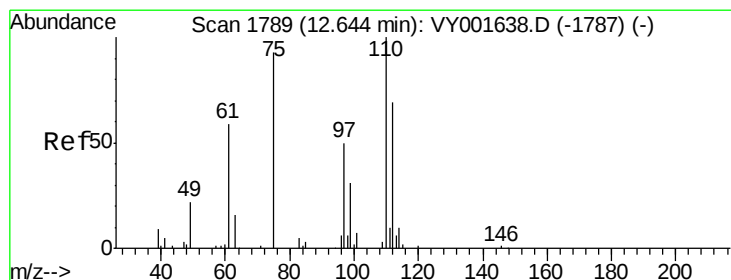
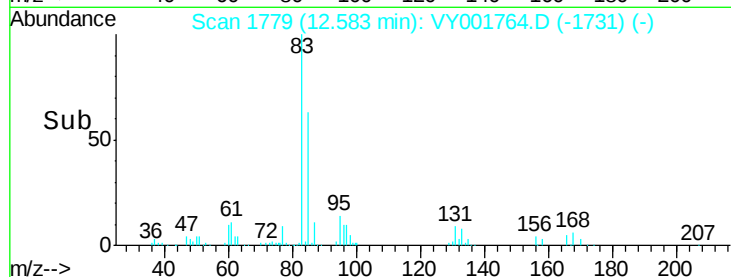
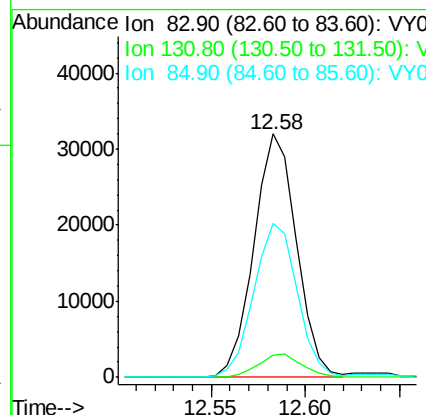
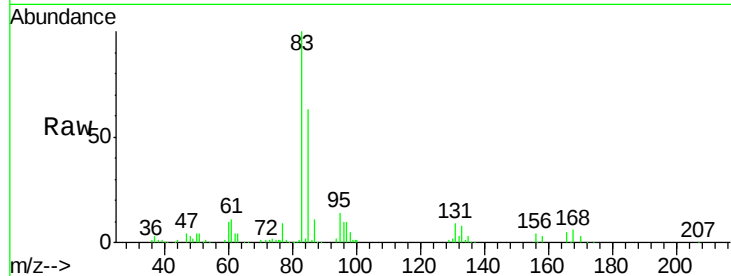
ClientSampleId :

VY0224SBS01

Tot Ion:	83	Resp:	50113
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.7	14.1
85	64.6	31.6	94.7

Manual Integrations
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MMDadoda
2/25/2020 10:53:57 AM



#76

1,2,3-Trichloropropane

Concen: 21.706 ug/l m

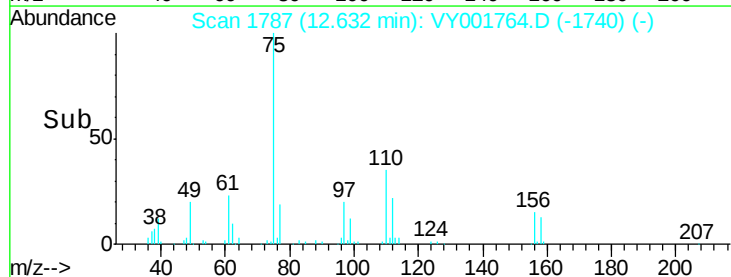
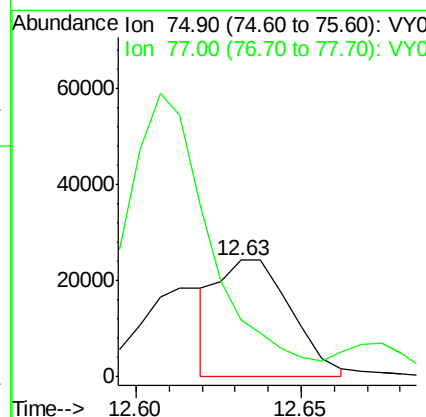
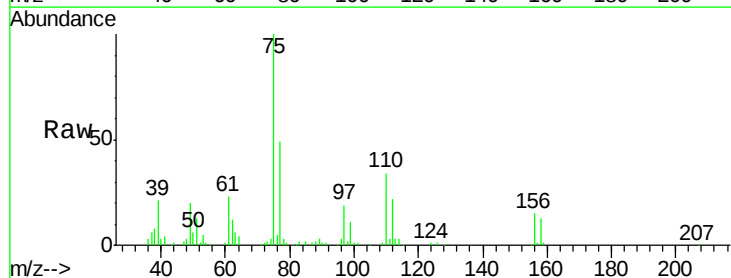
RT: 12.63 min Scan# 1787

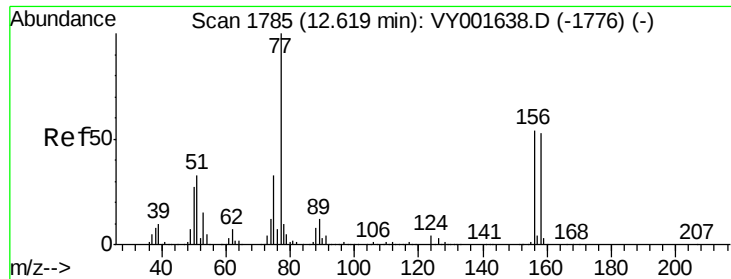
Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion:	75	Resp:	37485
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.754 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

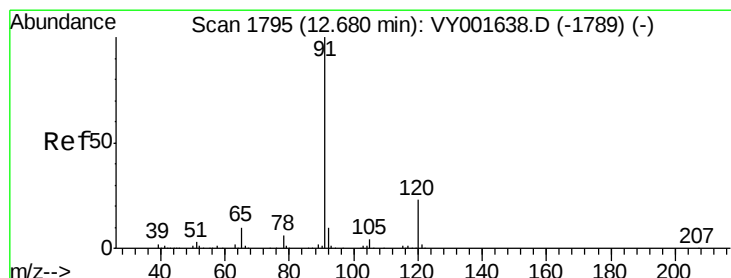
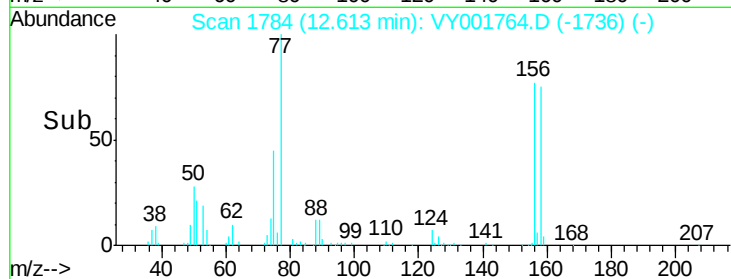
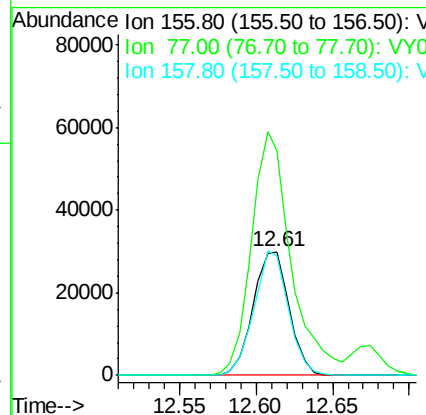
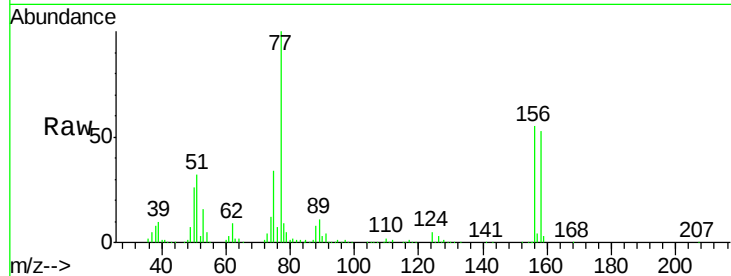
ClientSampleId :

VY0224SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		49111		
77	217.3		110.1	330.1	
158	95.6		47.9	143.7	

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#78

n-propylbenzene

Concen: 20.088 ug/l

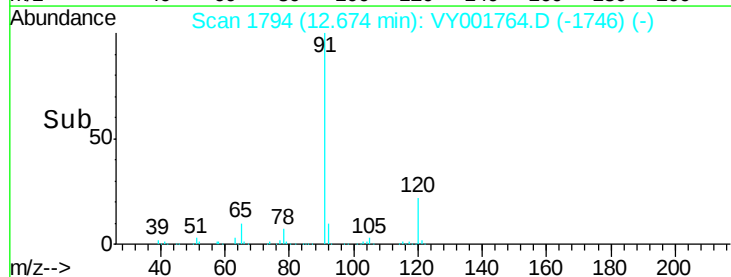
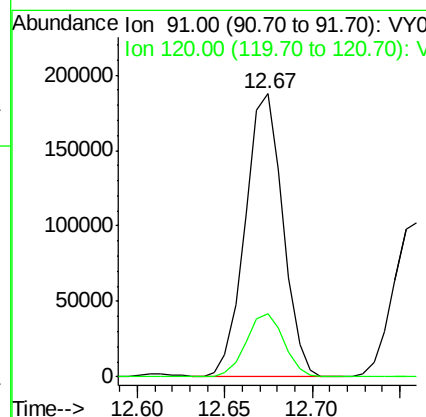
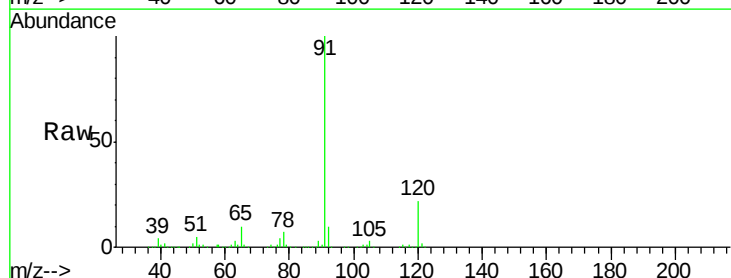
RT: 12.67 min Scan# 1794

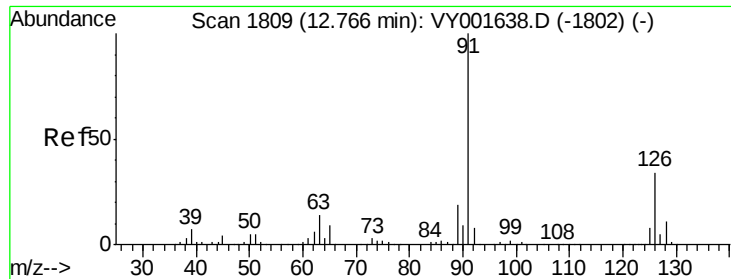
Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		280580		
120	22.4		11.1	33.1	





#79

2-Chlorotoluene

Concen: 20.488 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 91 Resp: 160500

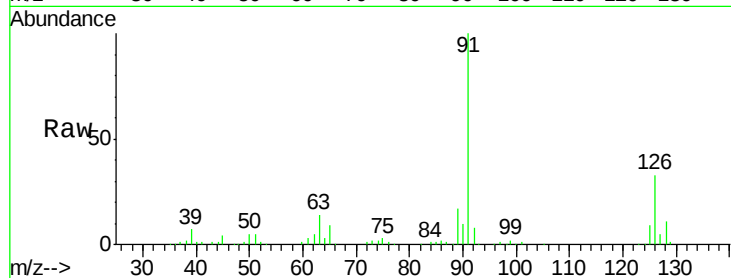
Ion Ratio Lower Upper

91 100

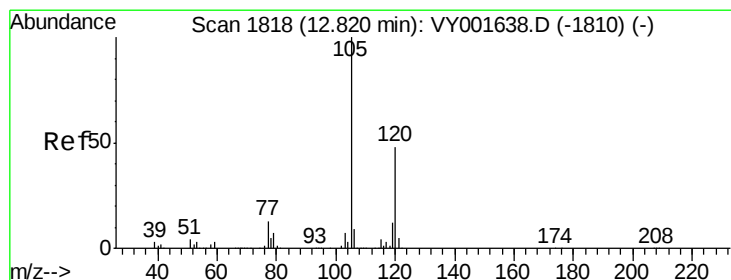
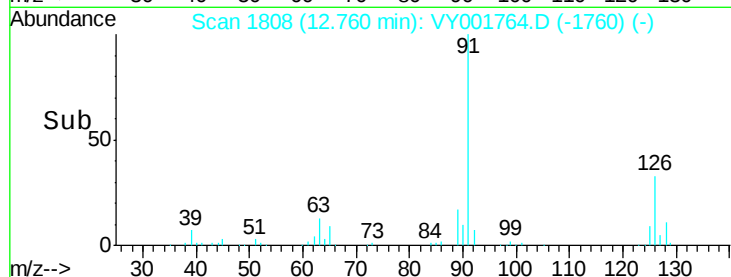
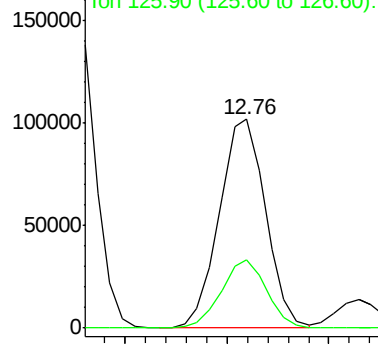
126 32.0 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.164 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001764.D

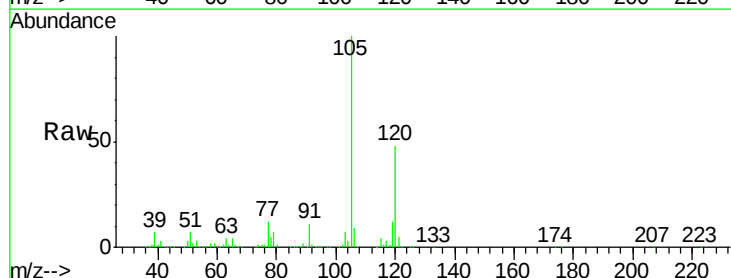
Acq: 24 Feb 2020 11:49

Tgt Ion: 105 Resp: 191427

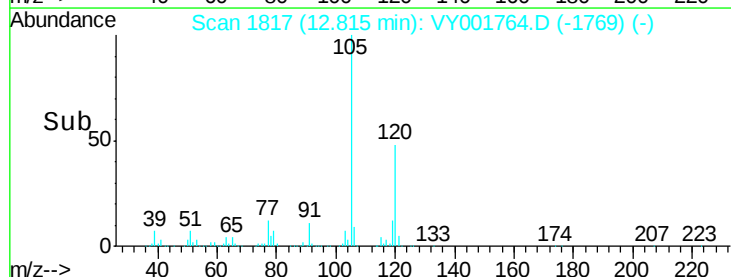
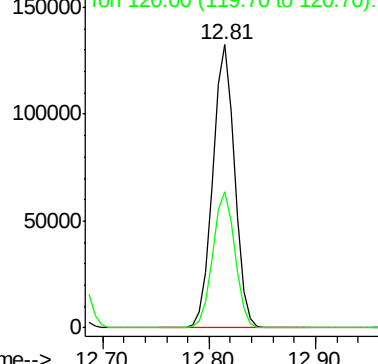
Ion Ratio Lower Upper

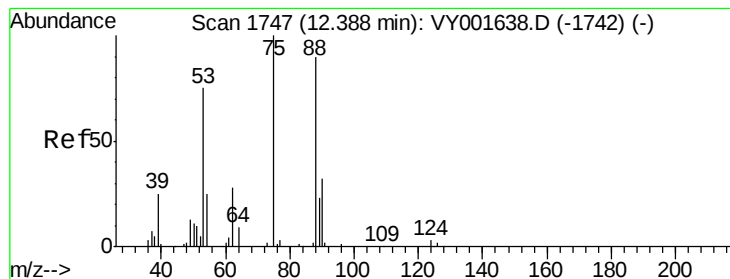
105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.065 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

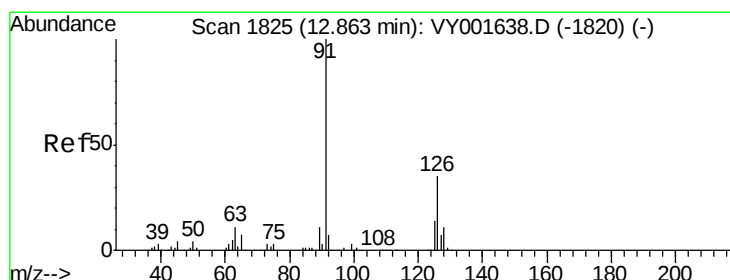
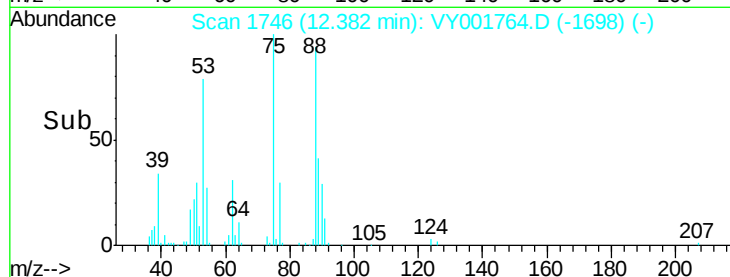
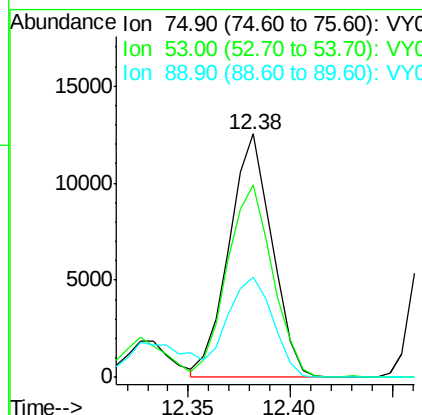
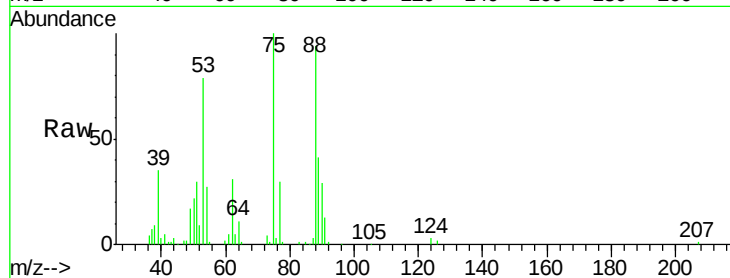
ClientSampleId :

VY0224SBS01

Tot Ion:	75	Resp:	18264
Ion Ratio	Lower	Upper	
75	100		
53	83.7	64.5	96.7
89	43.5	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.160 ug/l

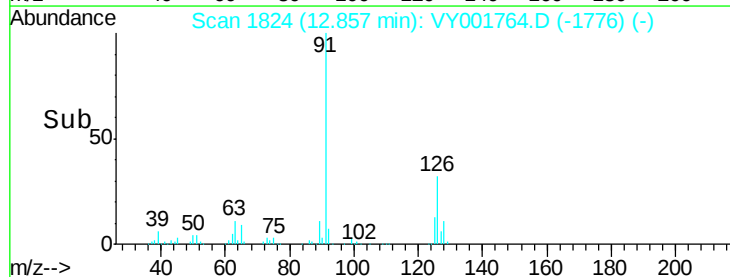
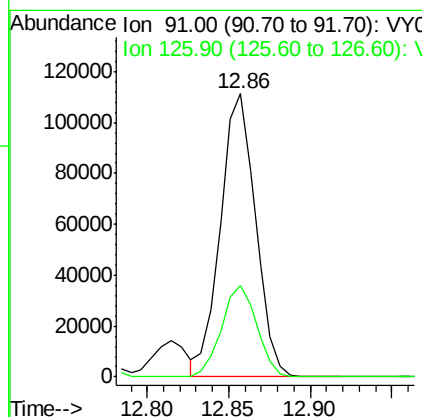
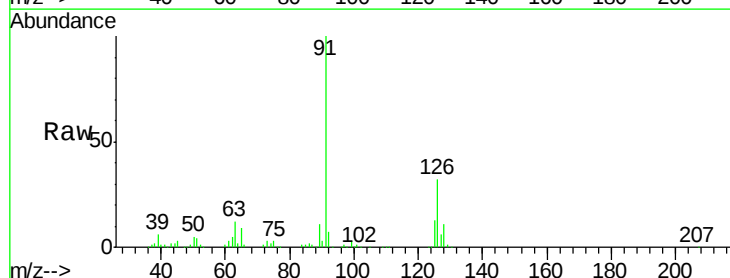
RT: 12.86 min Scan# 1824

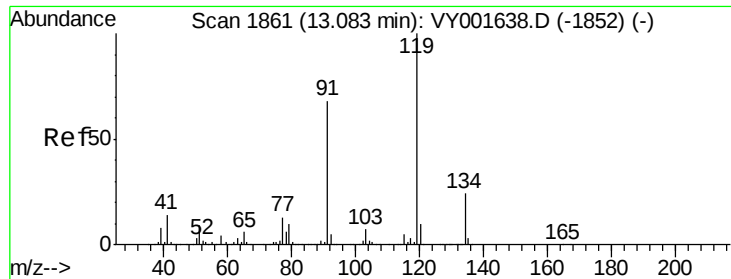
Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Tgt Ion:	91	Resp:	166569
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.2	48.6





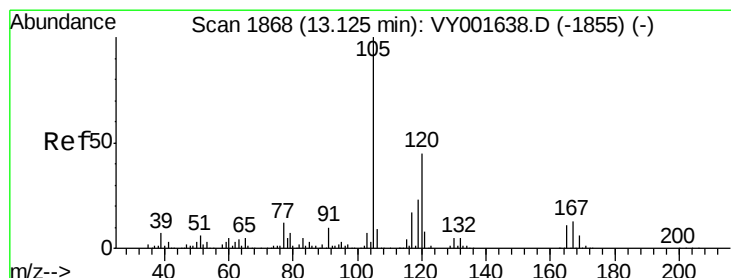
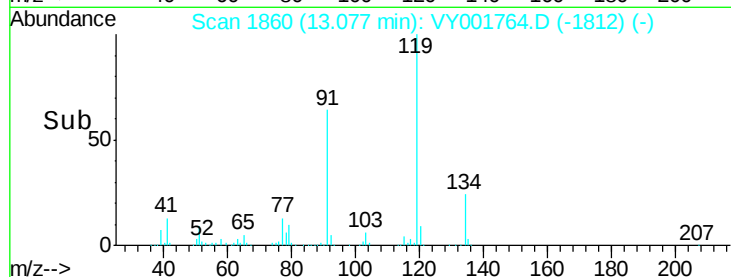
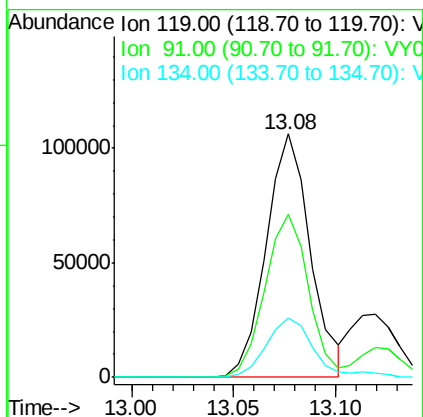
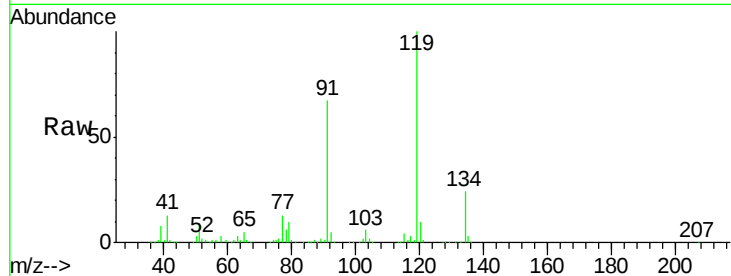
#83
tert-Butylbenzene
Concen: 20.219 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160541		
91	65.9	33.5	100.5	
134	26.7	13.3	39.8	

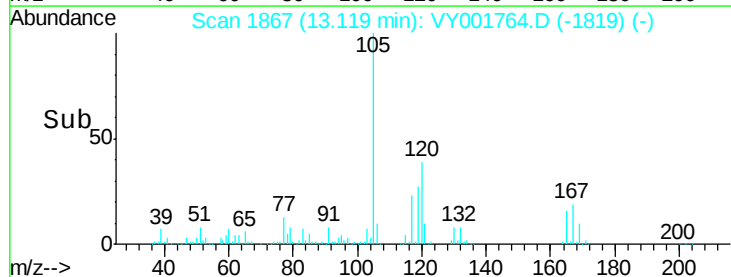
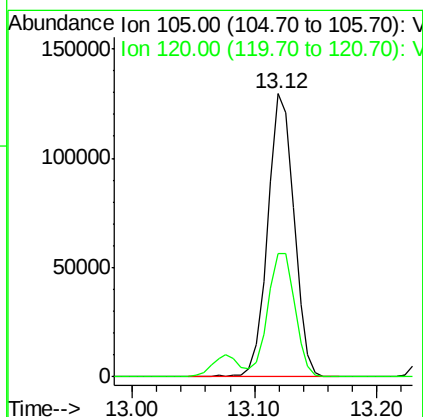
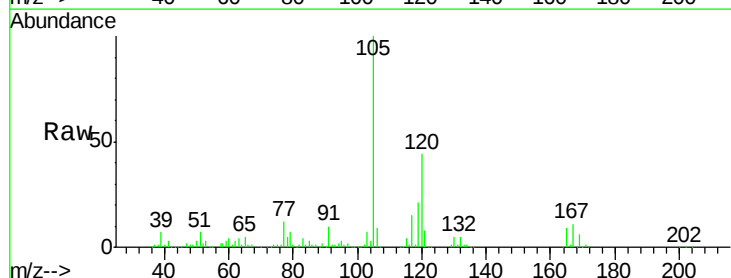
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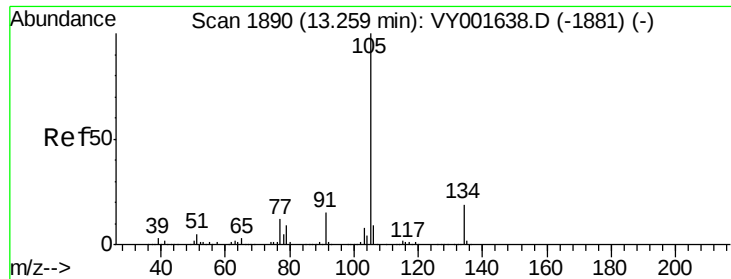
MMDadoda
2/25/2020 10:53:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.384 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192927		
120	45.0	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.475 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:105 Resp: 239095

Ion Ratio Lower Upper

105 100

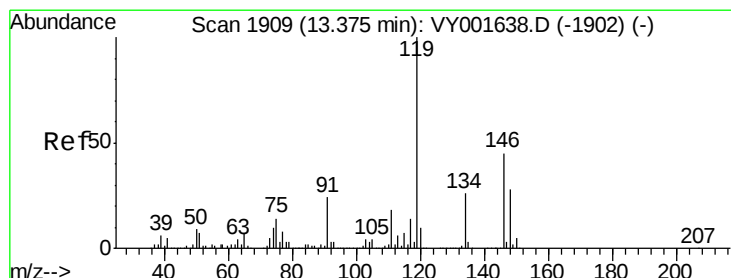
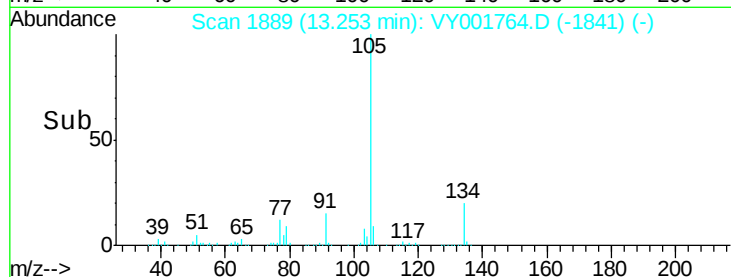
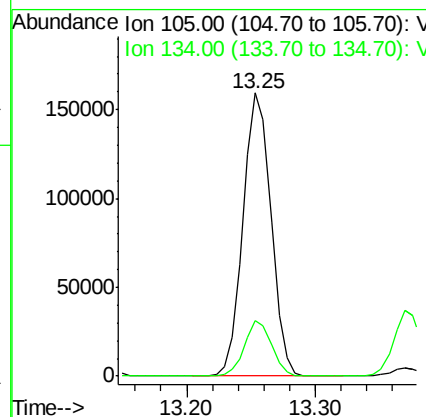
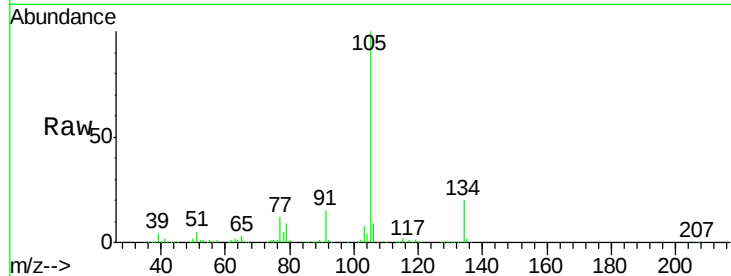
134 19.0 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 20.266 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001764.D

Acq: 24 Feb 2020 11:49

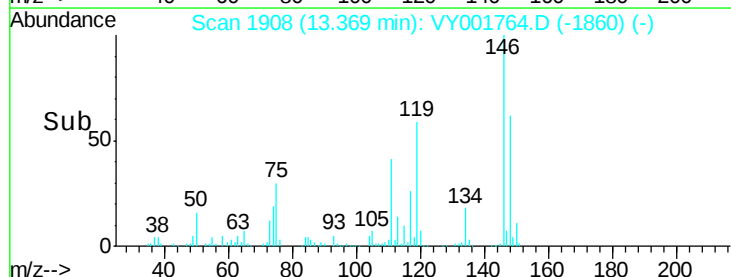
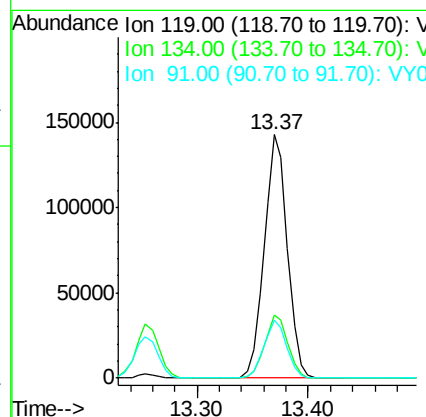
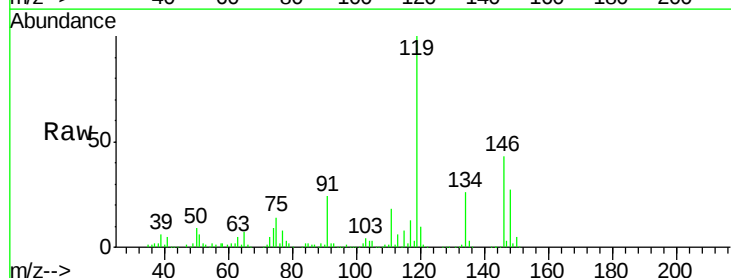
Tgt Ion:119 Resp: 205592

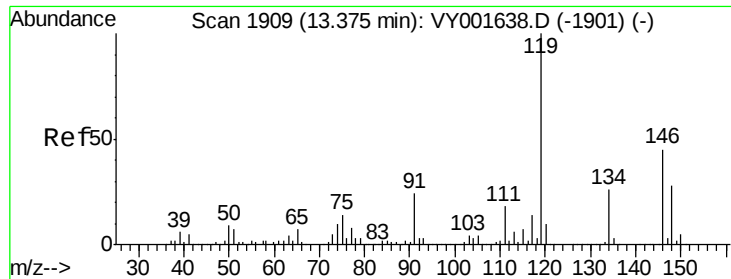
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.7 12.2 36.6





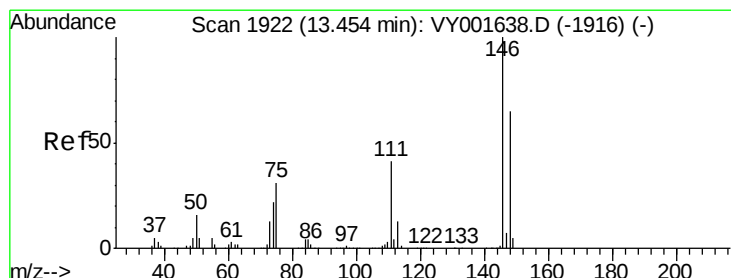
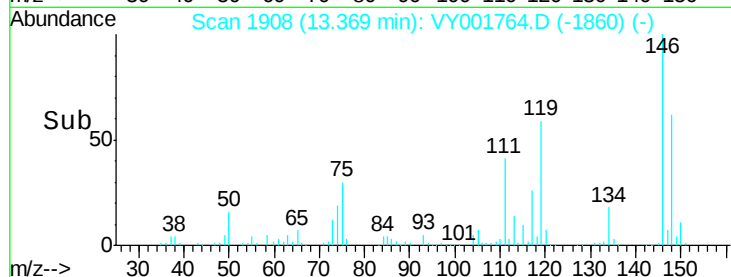
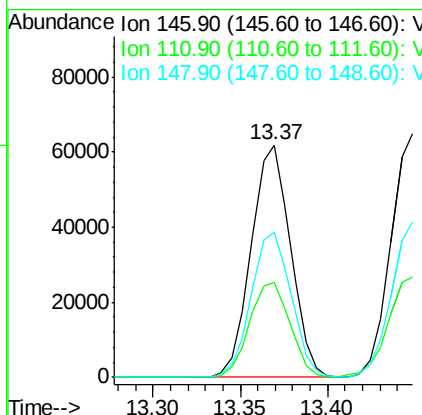
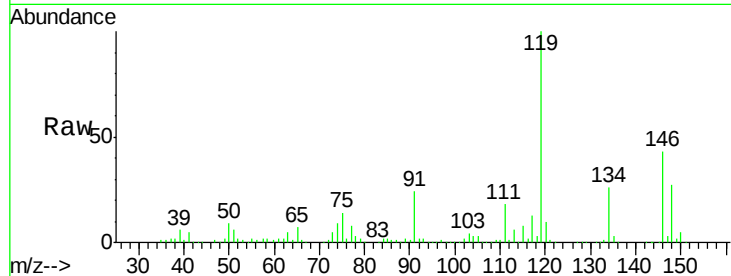
#87
 1,3-Dichlorobenzene
 Concen: 20.049 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.4	64.3
148	63.5	31.6	94.7

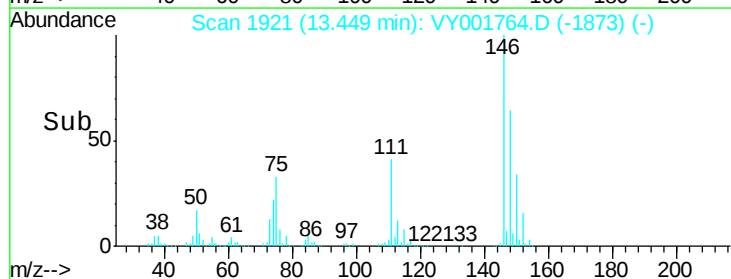
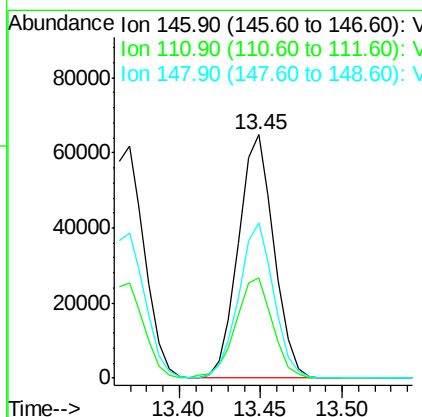
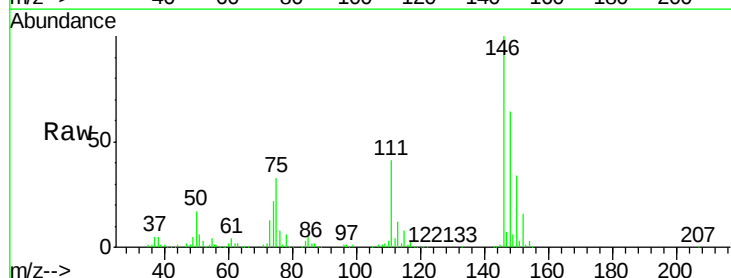
Manual Integrations
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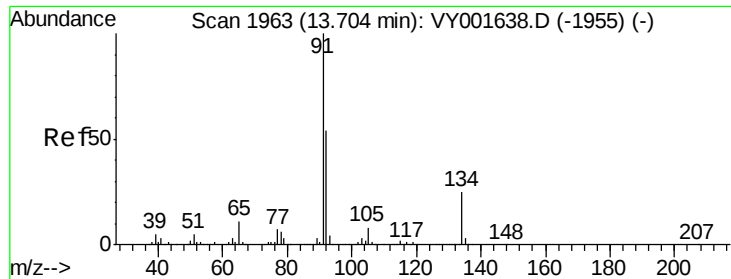
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#88
 1,4-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001764.D
 Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.3
148	63.1	31.6	94.7





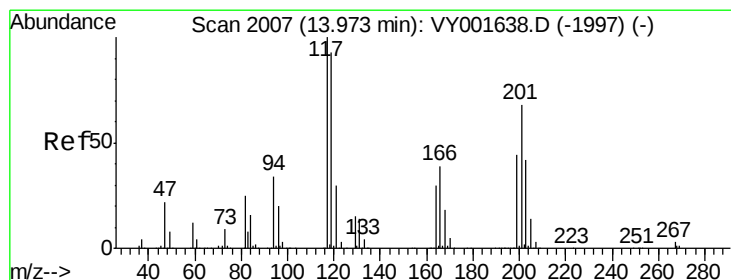
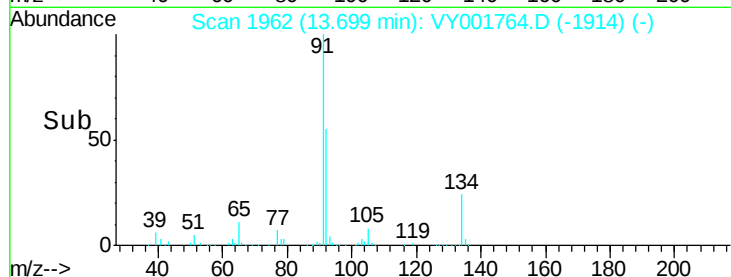
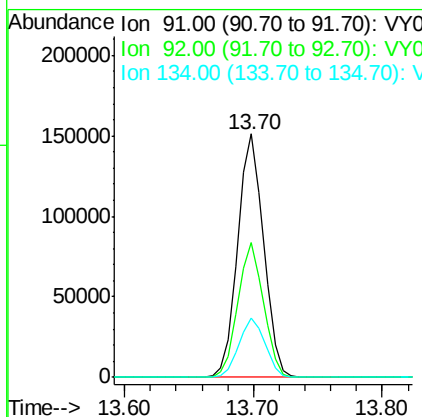
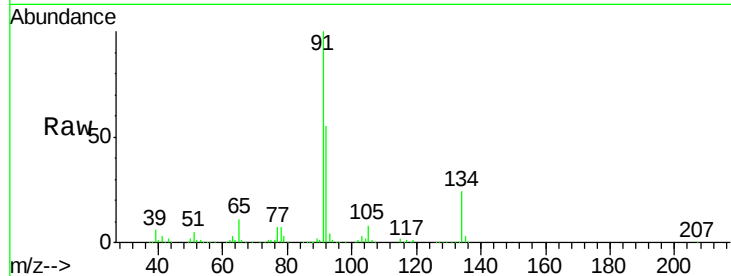
#89
n-Butylbenzene
Concen: 20.301 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	24.5	12.4	37.4

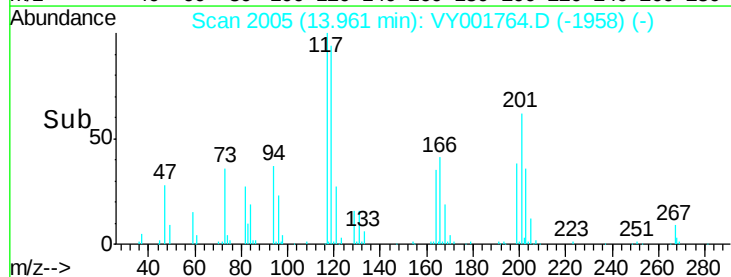
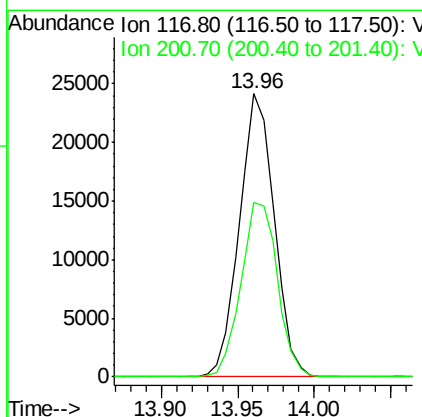
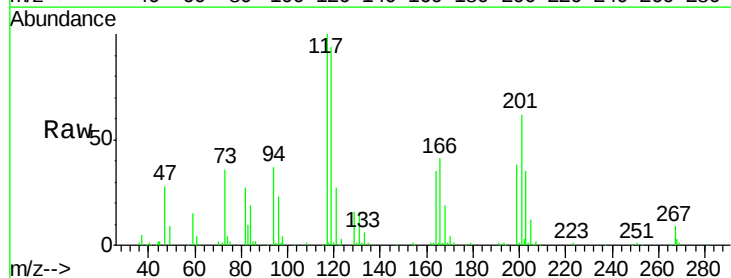
Manual Integrations
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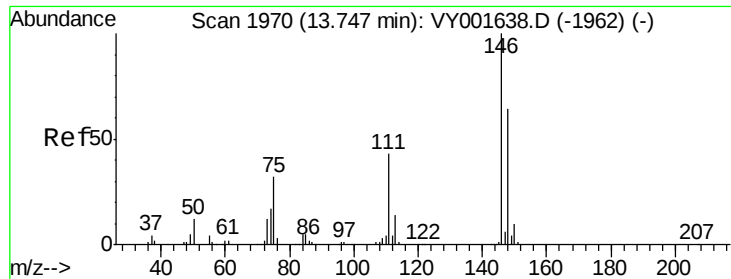
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#90
Hexachloroethane
Concen: 20.026 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.5	97.4





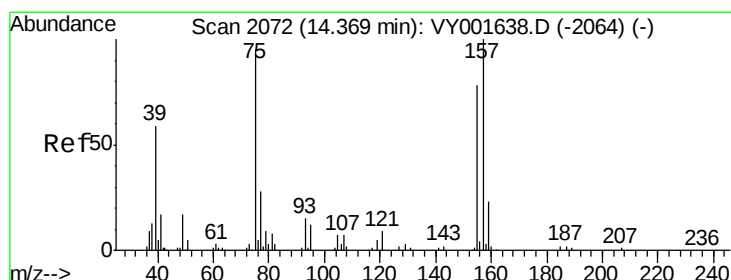
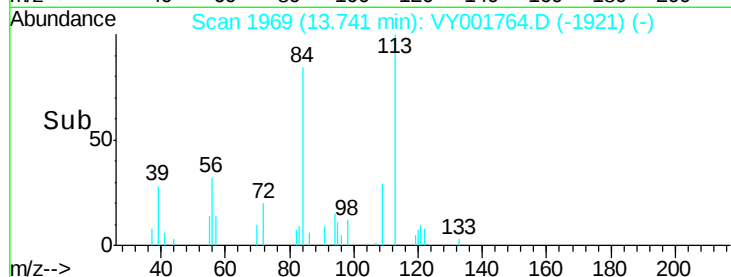
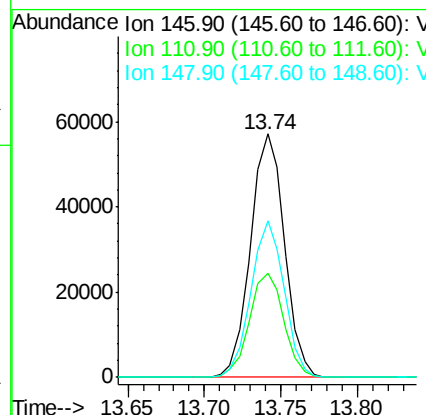
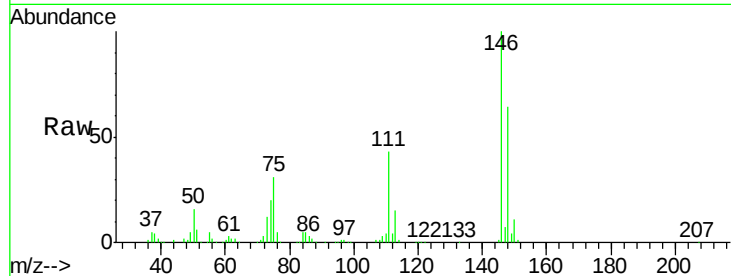
#91
1,2-Dichlorobenzene
Concen: 19.829 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	62.9	31.5	94.5

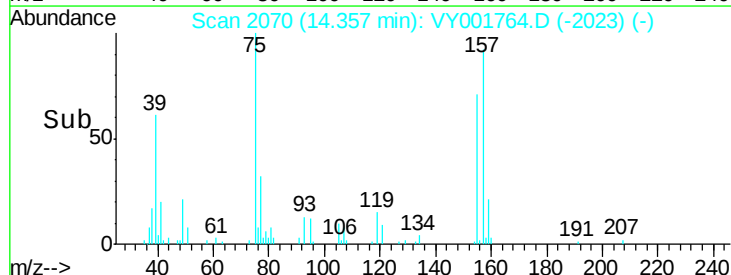
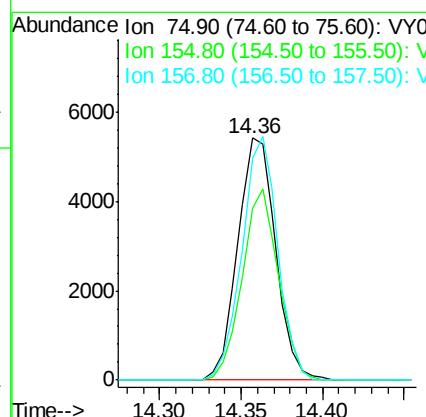
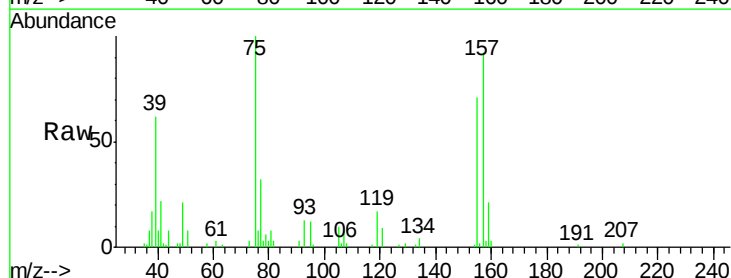
Manual Integrations
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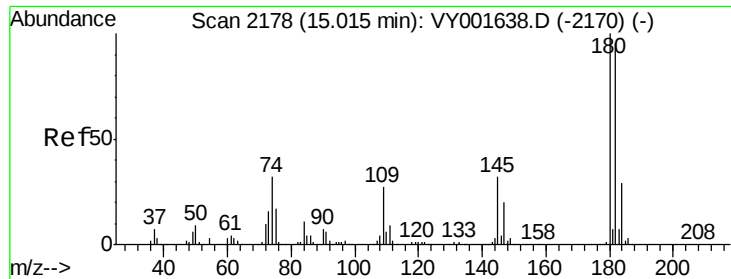
MMDadoda
2/25/2020 10:53:57 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.693 ug/l
RT: 14.36 min Scan# 2070
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	40.8	122.4
157	95.3	52.1	156.4





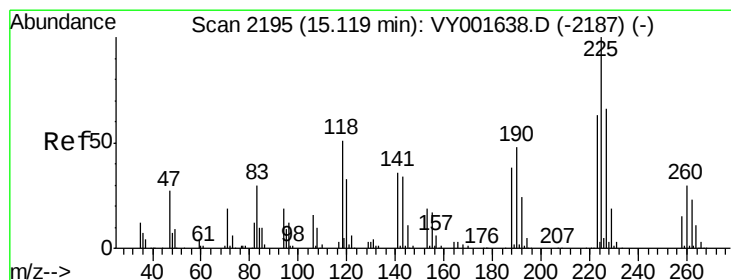
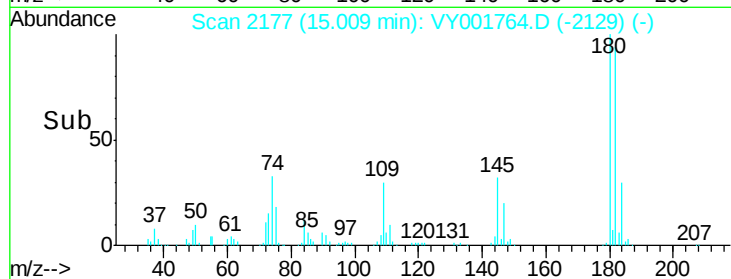
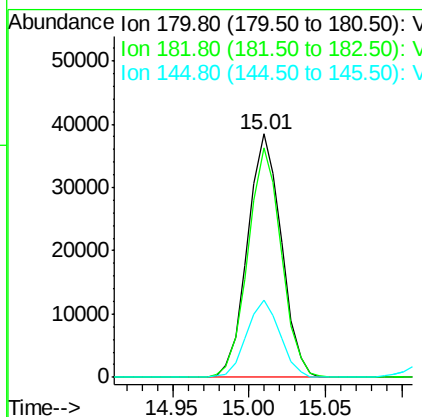
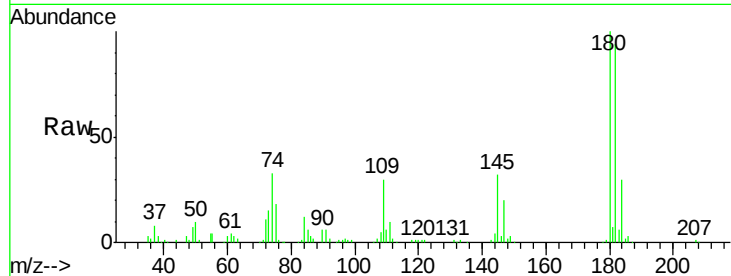
#93
1,2,4-Trichlorobenzene
Concen: 20.047 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59114		
182	93.1	46.8	140.3	
145	31.5	16.2	48.5	

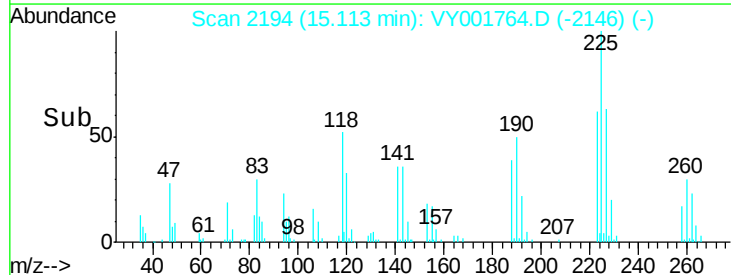
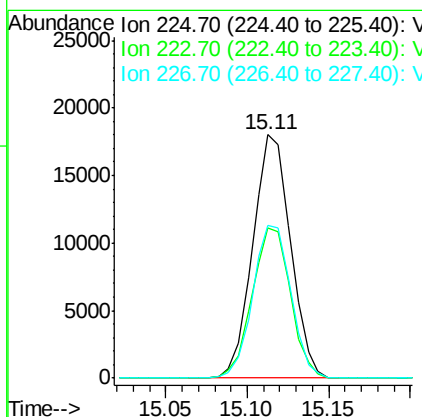
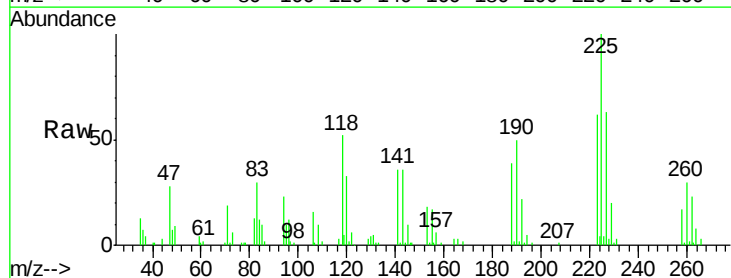
Manual Integrations
APPROVED

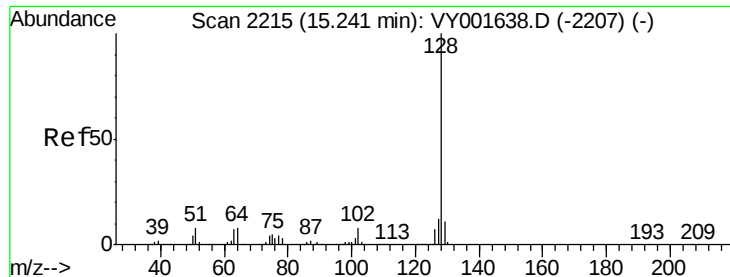
MMDadoda
2/25/2020 10:53:57 AM



#94
Hexachlorobutadiene
Concen: 19.733 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28938		
223	62.5	31.4	94.0	
227	63.1	31.6	94.8	





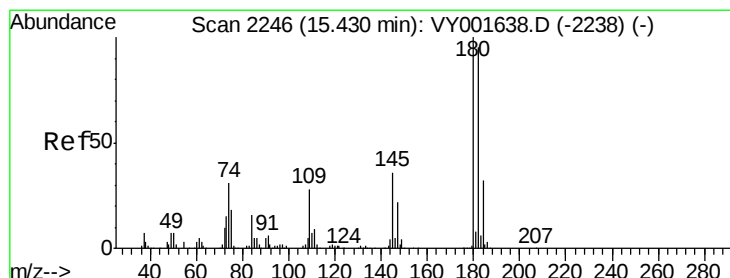
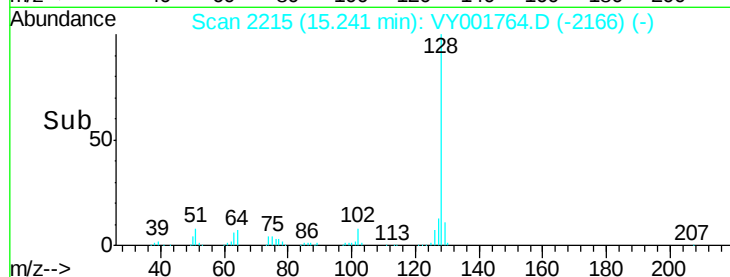
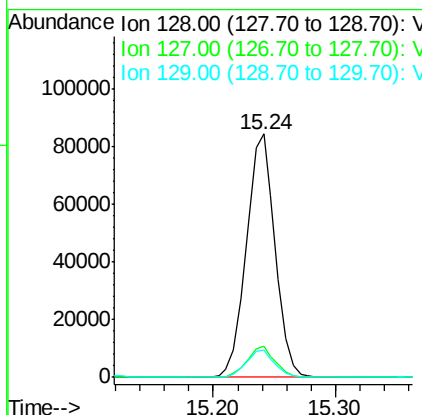
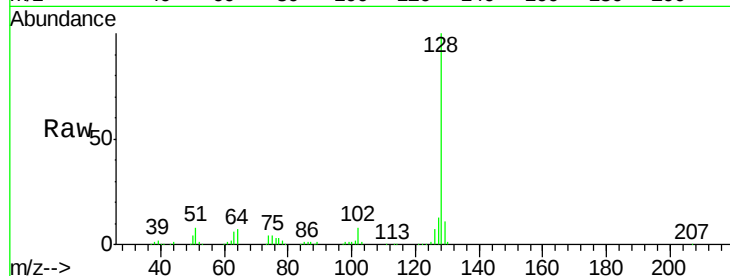
#95
Naphthalene
Concen: 20.121 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 10:53:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.084 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY001764.D
Acq: 24 Feb 2020 11:49

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	92.5	47.2	141.6
145	33.4	17.3	52.0

