

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001501.D
 Acq On : 05 Feb 2020 12:46
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:46:53 PM

Quant Time: Feb 05 16:38:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	220550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	393641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	352572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	164244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	128561	57.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.78%	
35) Dibromofluoromethane	7.74	113	119542	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.19	98	485141	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
62) 4-Bromofluorobenzene	12.49	95	178041	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	42863	19.854	ug/l	98
3) Chloromethane	2.13	50	54982	24.367	ug/l	94
4) Vinyl Chloride	2.27	62	56000	23.902	ug/l	94
5) Bromomethane	2.66	94	33853	22.975	ug/l	100
6) Chloroethane	2.81	64	32785	23.214	ug/l	95
7) Trichlorofluoromethane	3.15	101	82616	21.303	ug/l	98
8) Diethyl Ether	3.55	74	29894	22.842	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.93	101	50451	21.621	ug/l	98
10) Methyl Iodide	4.11	142	57333	19.283	ug/l	99
11) Tert butyl alcohol	4.98	59	34340	119.923	ug/l #	76
12) 1,1-Dichloroethene	3.90	96	49914	21.526	ug/l	92
13) Acrolein	3.75	56	26183	124.523	ug/l	99
14) Allyl chloride	4.51	41	84490	23.819	ug/l	95
15) Acrylonitrile	5.19	53	74464	124.115	ug/l	100
16) Acetone	3.97	43	69445	108.113	ug/l	98
17) Carbon Disulfide	4.22	76	166236	22.520	ug/l	99
18) Methyl Acetate	4.51	43	35380	25.811	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	142072	23.039	ug/l	99
20) Methylene Chloride	4.74	84	61688	21.868	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	56636	21.971	ug/l	95
22) Diisopropyl ether	6.14	45	169246	24.082	ug/l	98
23) Vinyl Acetate	6.08	43	551402	123.250	ug/l	96
24) 1,1-Dichloroethane	6.05	63	95928	22.693	ug/l	97
25) 2-Butanone	7.02	43	99363	119.235	ug/l	98
26) 2,2-Dichloropropane	7.00	77	87922	21.732	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	62413	22.168	ug/l	97
28) Bromochloromethane	7.36	49	31099	21.596	ug/l	93
29) Tetrahydrofuran	7.37	42	64517	129.170	ug/l	97
30) Chloroform	7.53	83	95676	22.345	ug/l	96
31) Cyclohexane	7.80	56	98590	22.800	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	83857	21.601	ug/l	99
36) 1,1-Dichloropropene	7.94	75	78186	21.712	ug/l	99
37) Ethyl Acetate	7.10	43	44021	25.252	ug/l	97
38) Carbon Tetrachloride	7.92	117	72974	20.945	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	103328	21.792	ug/l	99
40) Benzene	8.18	78	223857	21.794	ug/l	99
41) Methacrylonitrile	7.34	41	19618m	24.281	ug/l	
42) 1,2-Dichloroethane	8.25	62	62606	21.878	ug/l	100
43) Isopropyl Acetate	8.29	43	83610	24.224	ug/l	97
44) Trichloroethene	8.96	130	57151	20.642	ug/l	95
45) 1,2-Dichloropropane	9.23	63	56045	22.596	ug/l	99
46) Dibromomethane	9.32	93	30351	21.792	ug/l	98
47) Bromodichloromethane	9.51	83	73037	21.523	ug/l	97
48) Methyl methacrylate	9.31	41	37733	24.087	ug/l	95
49) 1,4-Dioxane	9.32	88	8118	441.355	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	212369	124.938	ug/l	98
52) Toluene	10.25	92	142920	21.929	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	81968	22.177	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	93848	22.117	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	44894	22.467	ug/l	98
56) Ethyl methacrylate	10.52	69	66068	23.246	ug/l	98
57) 1,3-Dichloropropane	10.80	76	79022	22.434	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	113106	108.177	ug/l	96
59) 2-Hexanone	10.85	43	151940	122.938	ug/l	99
60) Dibromochloromethane	11.00	129	50089	21.265	ug/l	99
61) 1,2-Dibromoethane	11.10	107	44266	22.491	ug/l	96
64) Tetrachloroethene	10.73	164	46576	20.144	ug/l	99
65) Chlorobenzene	11.53	112	145833	21.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	51367	21.201	ug/l	98
67) Ethyl Benzene	11.60	91	274281	21.428	ug/l	98
68) m/p-Xylenes	11.71	106	205318	42.729	ug/l	100
69) o-Xylene	12.04	106	96446	21.288	ug/l	98
70) Styrene	12.05	104	168872	21.554	ug/l	99
71) Bromoform	12.22	173	28917	21.434	ug/l	# 98
73) Isopropylbenzene	12.34	105	261634	20.886	ug/l	99
74) N-amyl acetate	12.16	43	75630	23.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	55061	23.135	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	39010m	22.086	ug/l	
77) Bromobenzene	12.62	156	56507	20.844	ug/l	94
78) n-propylbenzene	12.68	91	319960	21.336	ug/l	99
79) 2-Chlorotoluene	12.77	91	180720	21.141	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	223232	21.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	20974	22.977	ug/l	97
82) 4-Chlorotoluene	12.86	91	191410	21.357	ug/l	99
83) tert-Butylbenzene	13.09	119	189622	21.265	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	222396	21.300	ug/l	99
85) sec-Butylbenzene	13.27	105	272102	21.703	ug/l	99
86) p-Isopropyltoluene	13.38	119	238523	21.589	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	111862	21.531	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	110448	21.221	ug/l	98
89) n-Butylbenzene	13.70	91	239464	21.967	ug/l	100
90) Hexachloroethane	13.97	117	45923	21.656	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	98892	21.005	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9848	22.414	ug/l	99

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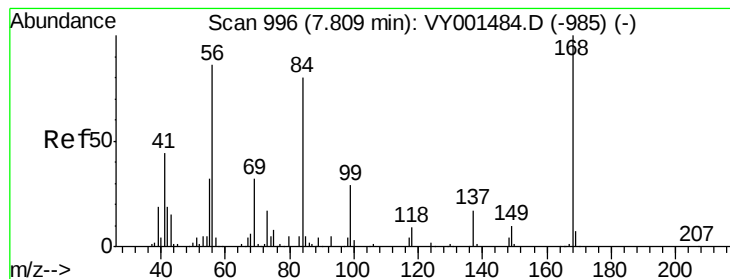
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	68313	21.531	ug/l	99
94) Hexachlorobutadiene	15.13	225	33764	20.968	ug/l	99
95) Naphthalene	15.25	128	159408	21.378	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	59371	21.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion:168 Resp: 220550

Ion Ratio Lower Upper

168 100

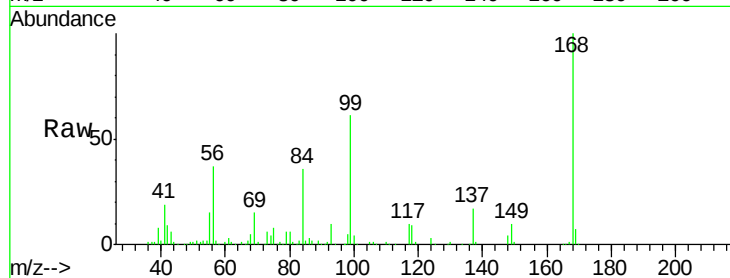
99 61.4 48.2 72.4

Manual Integrations

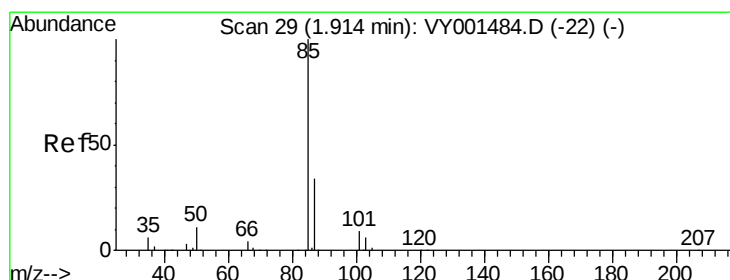
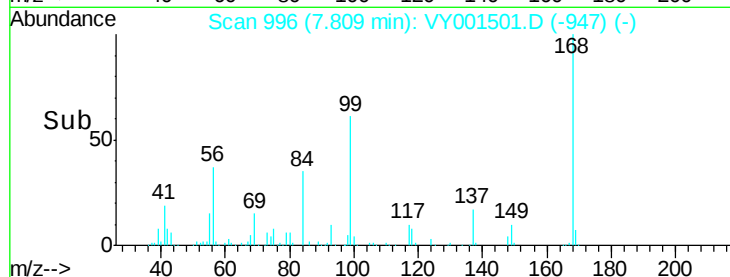
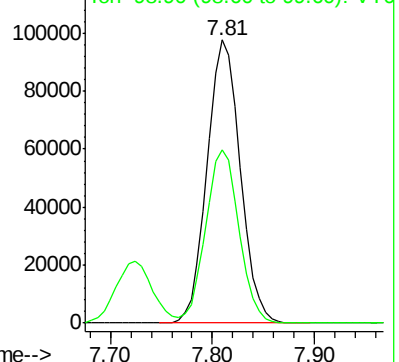
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2/6/2020 12:46:53 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001501.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 19.854 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001501.D

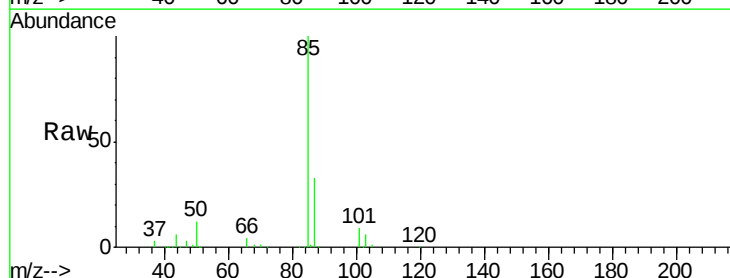
Acq: 05 Feb 2020 12:46

Tgt Ion: 85 Resp: 42863

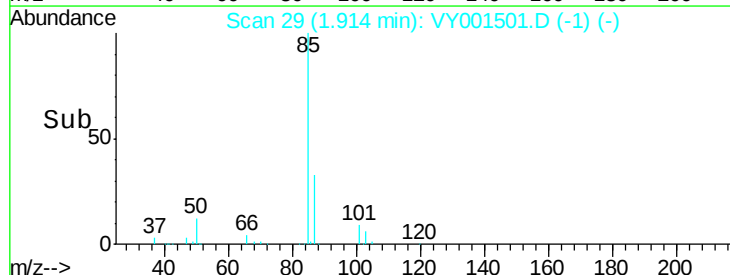
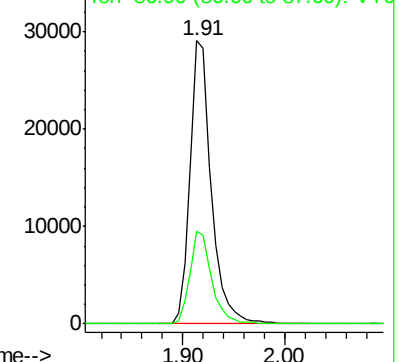
Ion Ratio Lower Upper

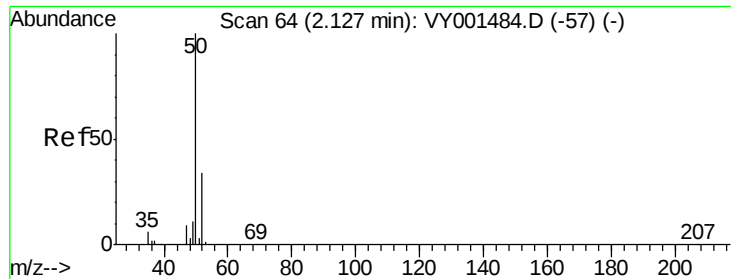
85 100

87 32.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001501.D (-1) (-)





#3

Chloromethane

Concen: 24.367 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 50 Resp: 54982

Ion Ratio Lower Upper

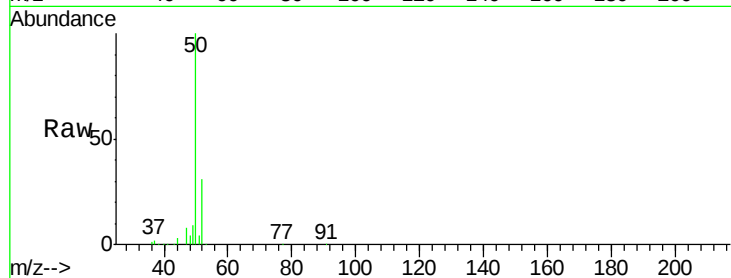
50 100

52 30.6 27.3 40.9

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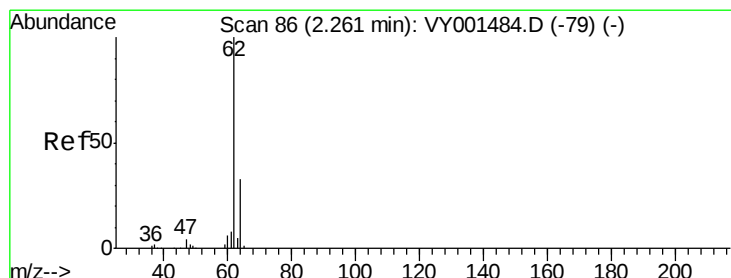
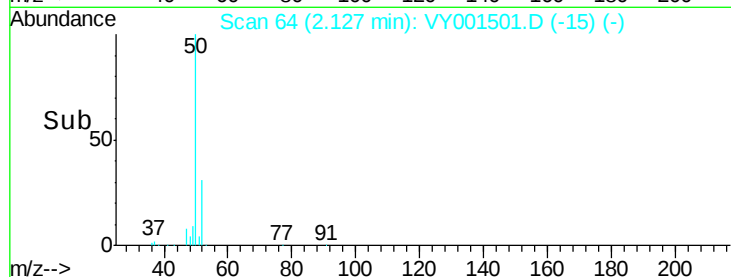
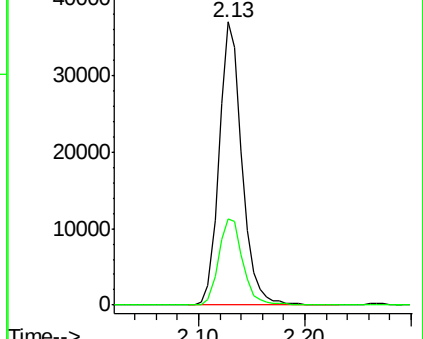
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 23.902 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001501.D

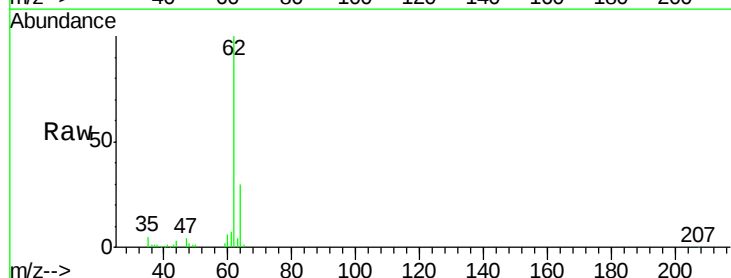
Acq: 05 Feb 2020 12:46

Tgt Ion: 62 Resp: 56000

Ion Ratio Lower Upper

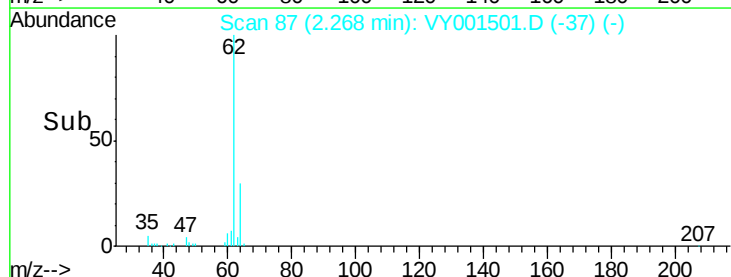
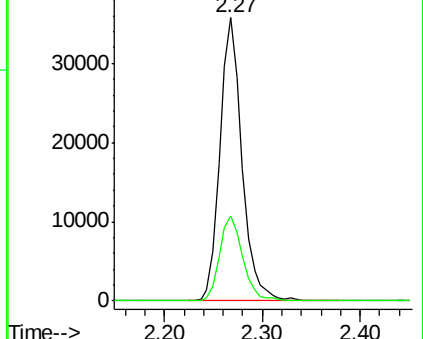
62 100

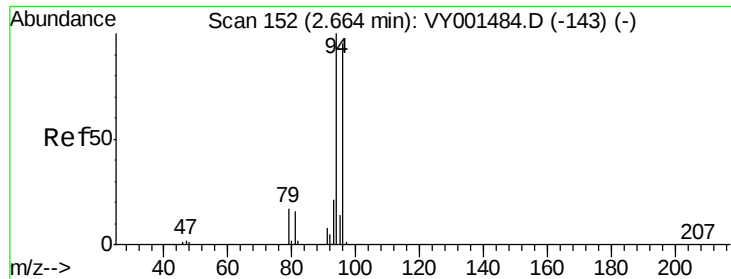
64 29.9 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.975 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 94 Resp: 33853

Ion Ratio Lower Upper

94 100

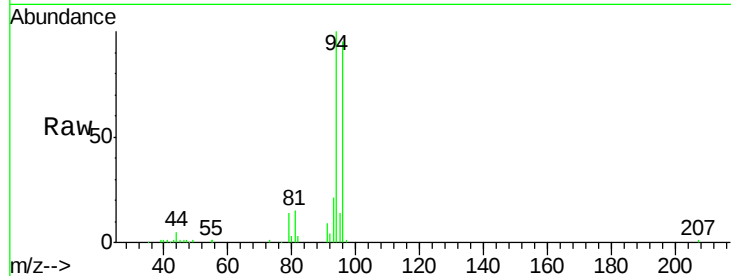
96 95.0 76.2 114.2

Manual Integrations

APPROVED

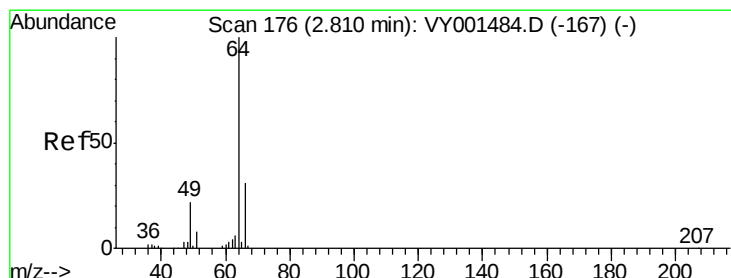
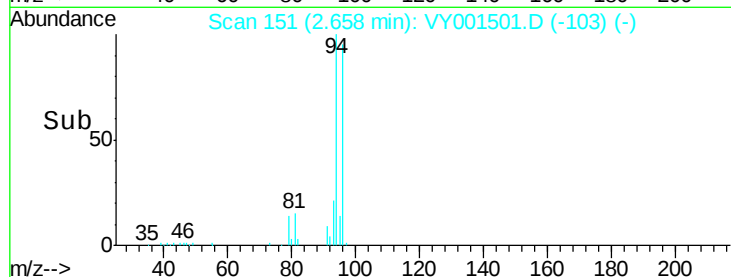
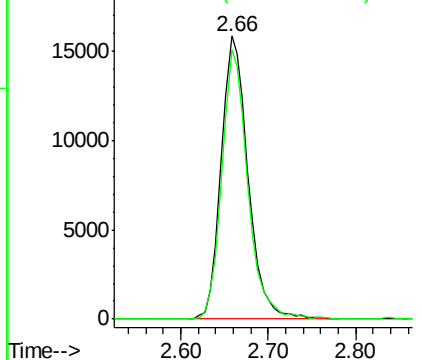
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 23.214 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001501.D

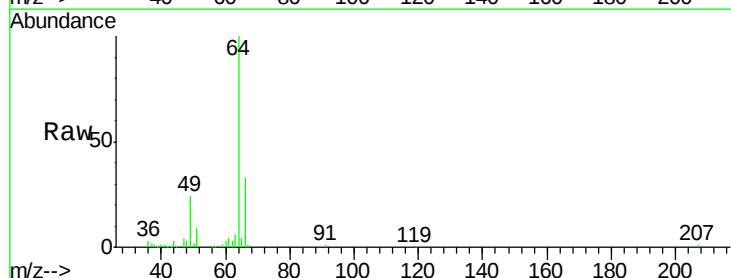
Acq: 05 Feb 2020 12:46

Tgt Ion: 64 Resp: 32785

Ion Ratio Lower Upper

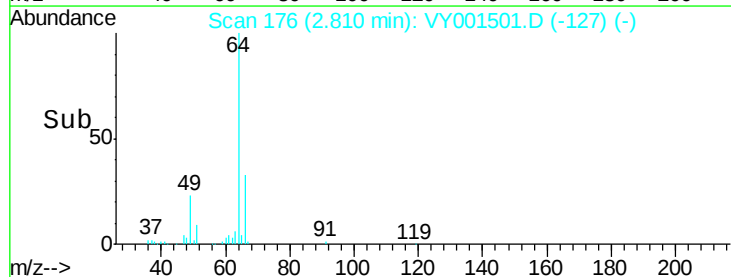
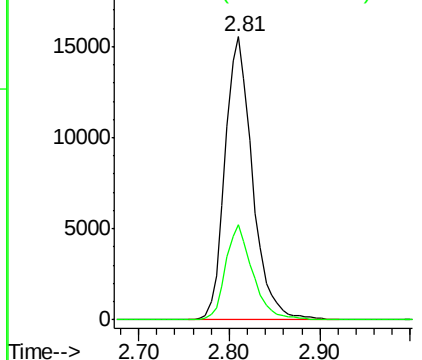
64 100

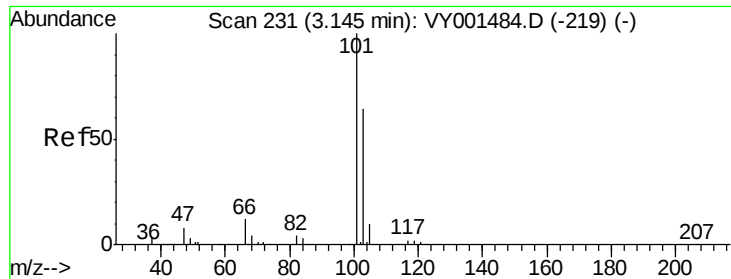
66 33.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

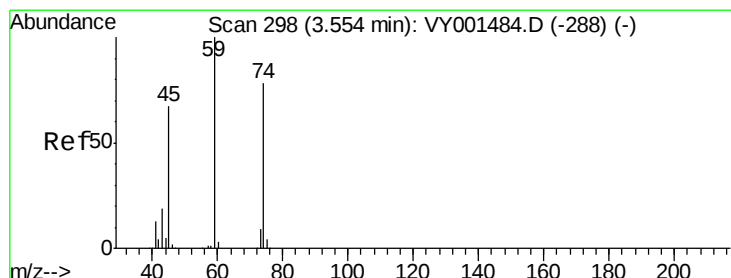
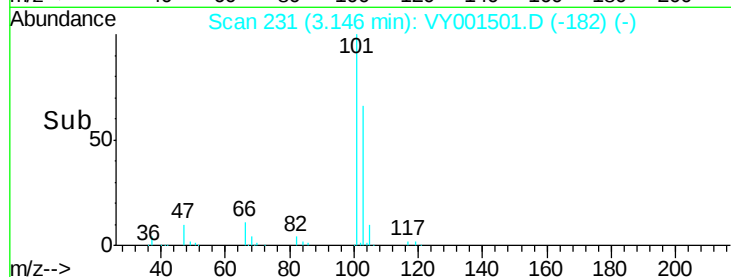
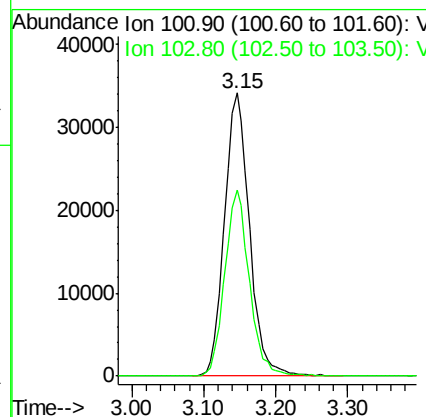
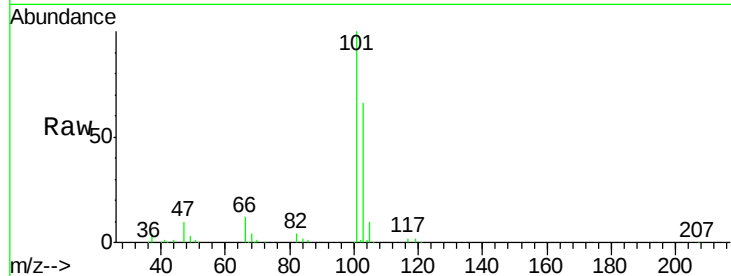
Trichlorofluoromethane
Concen: 21.303 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3

Manual Integrations
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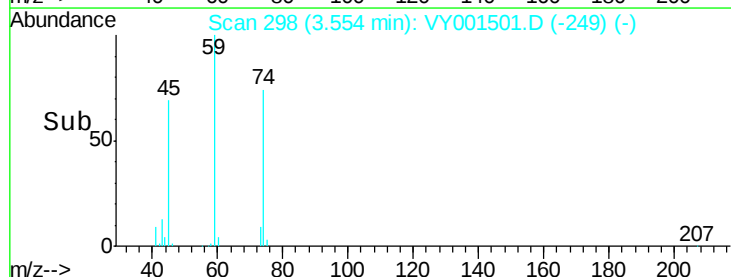
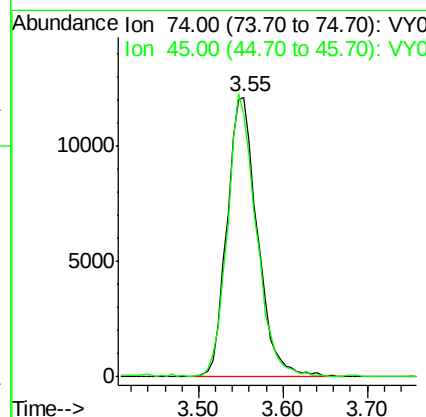
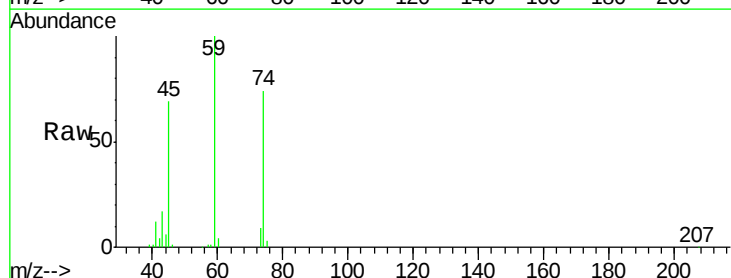
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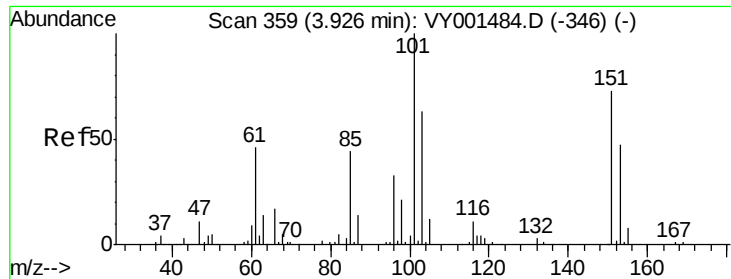


#8

Diethyl Ether
Concen: 22.842 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.621 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001501.D

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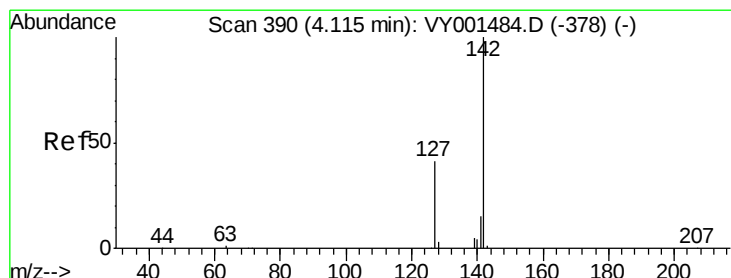
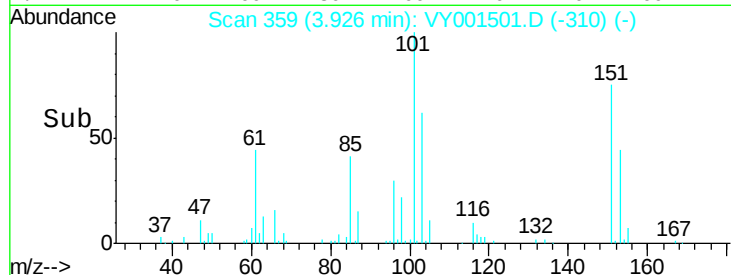
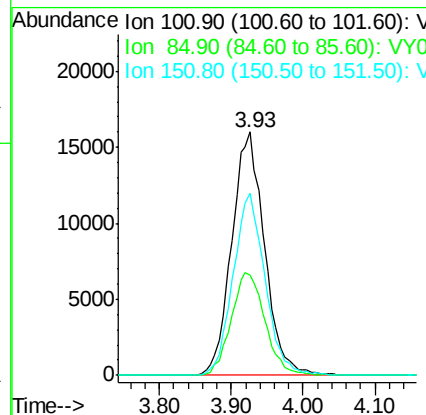
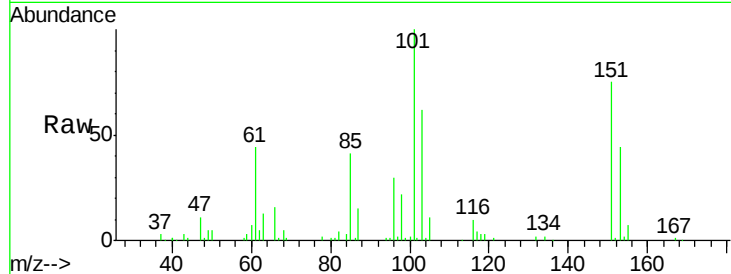
ClientSampleId :

VY0205SBS01

Tot Ion:	101	Resp:	50451
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	51.8
151	73.2	60.3	90.5

Manual Integrations
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MMDadoda
2/6/2020 12:46:53 PM



#10

Methyl Iodide

Concen: 19.283 ug/l

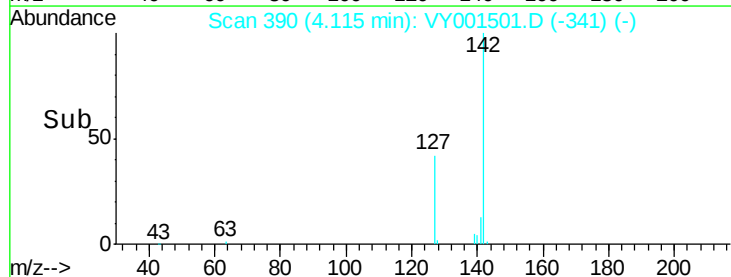
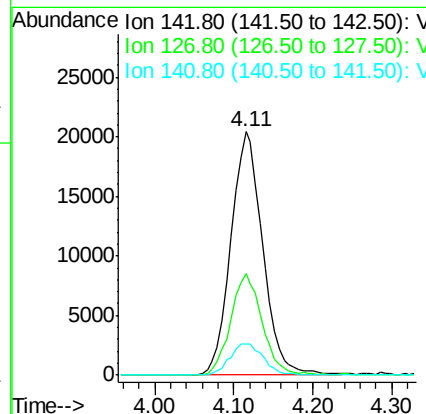
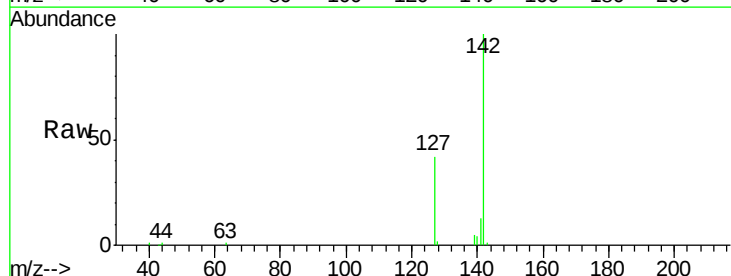
RT: 4.11 min Scan# 390

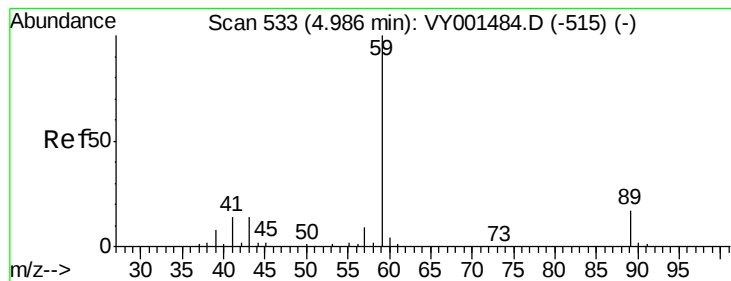
Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion:	142	Resp:	57333
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.3	49.9
141	13.7	11.5	17.3





#11

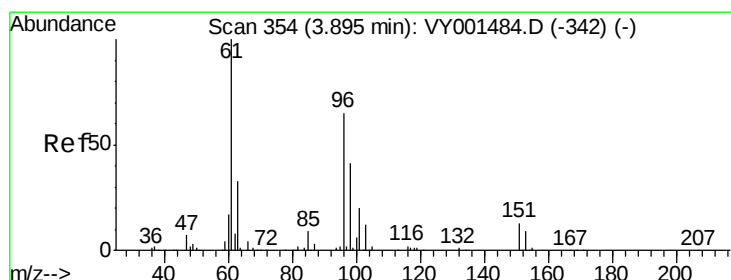
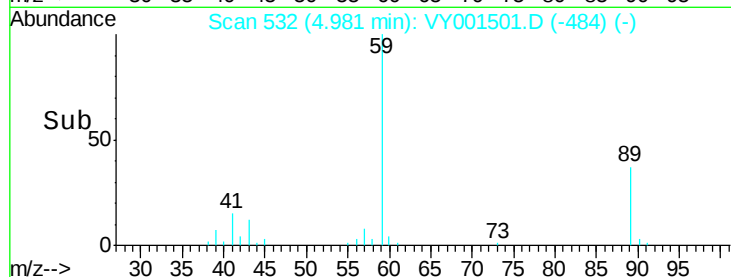
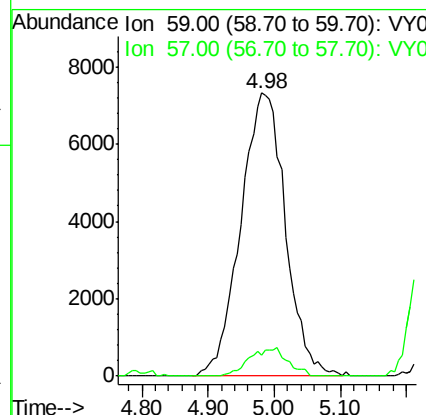
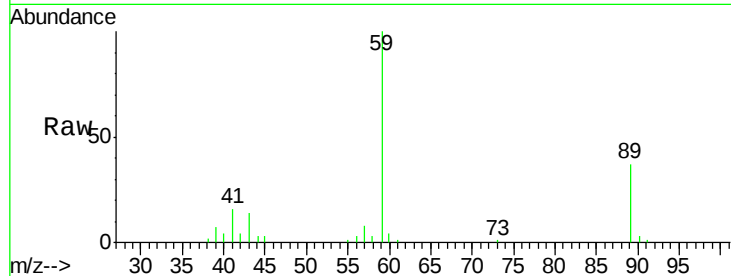
Tert butyl alcohol
Concen: 119.923 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100				
57	0.0		7.0	10.6	

Manual Integrations
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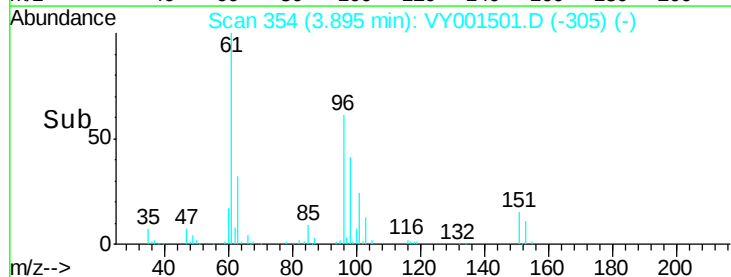
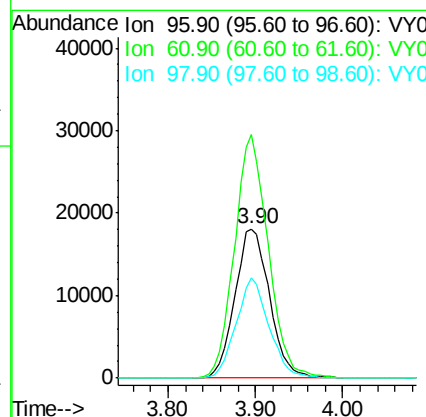
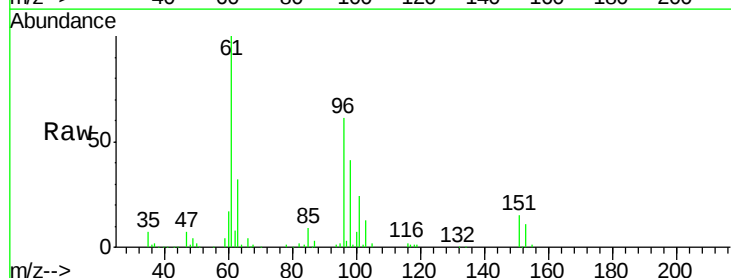
MMDadoda
2/6/2020 12:46:53 PM

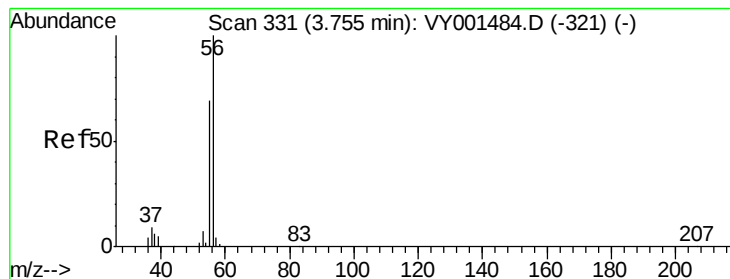


#12

1,1-Dichloroethene
Concen: 21.526 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	163.3		122.3	183.5	
98	67.6		49.7	74.5	





#13

Acrolein

Concen: 124.523 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 56 Resp: 26183

Ion Ratio Lower Upper

56 100

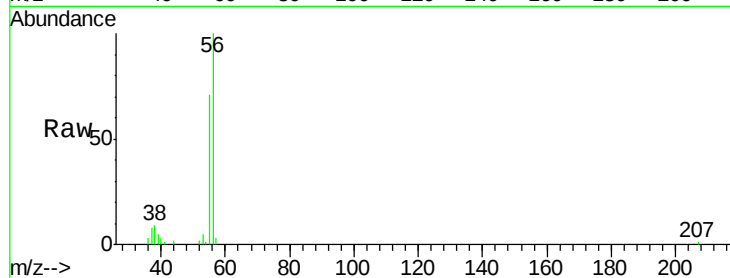
55 70.9 56.2 84.4

Manual Integrations

APPROVED

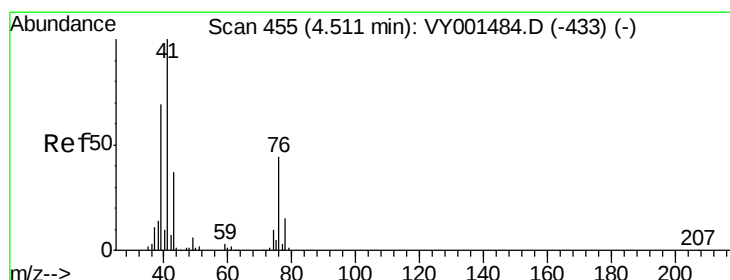
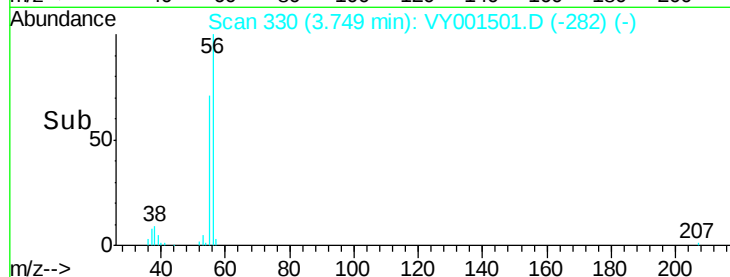
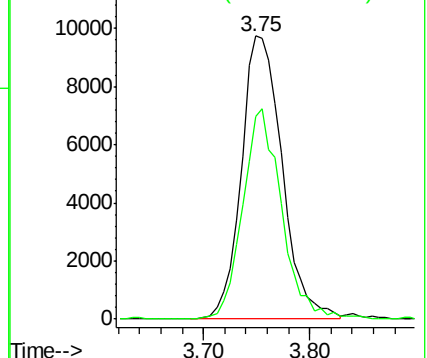
MMDadoda

2/6/2020 12:46:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 23.819 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

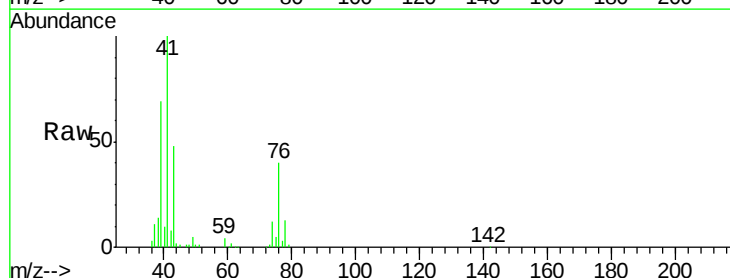
Tgt Ion: 41 Resp: 84490

Ion Ratio Lower Upper

41 100

39 62.5 53.0 79.6

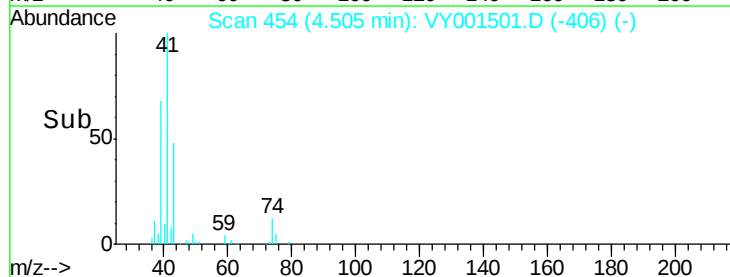
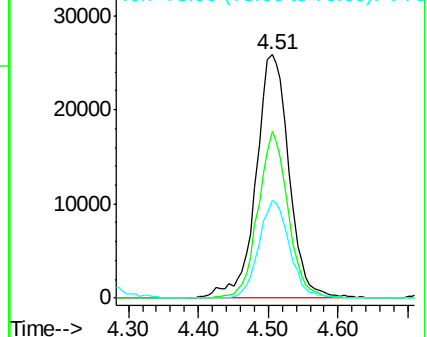
76 37.4 32.6 48.8

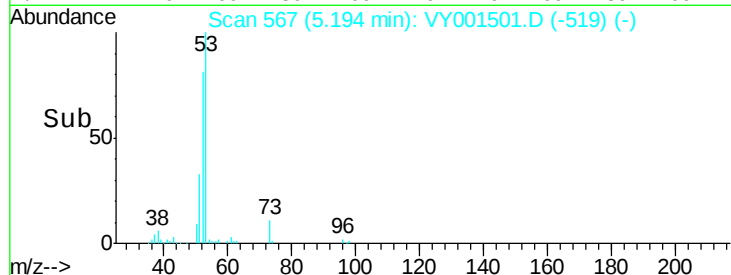
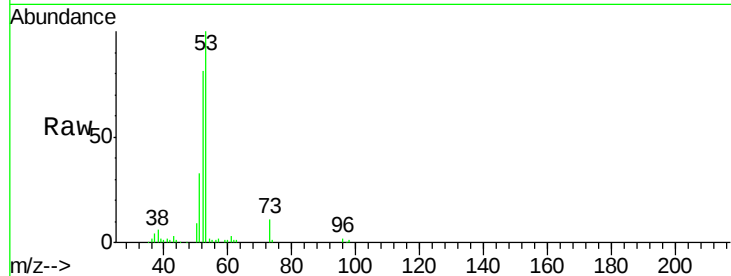
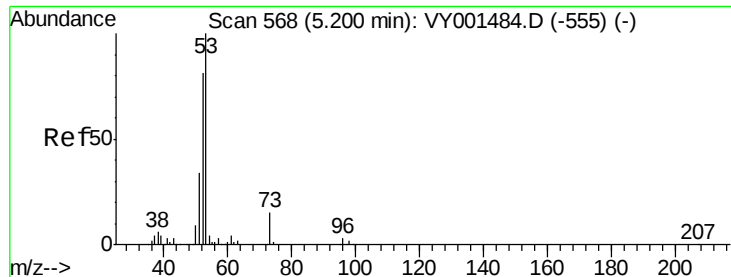


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 124.115 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001501.D

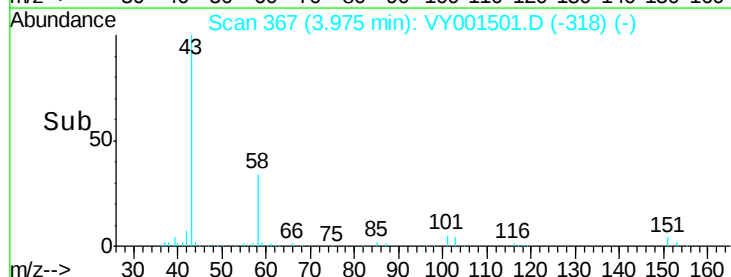
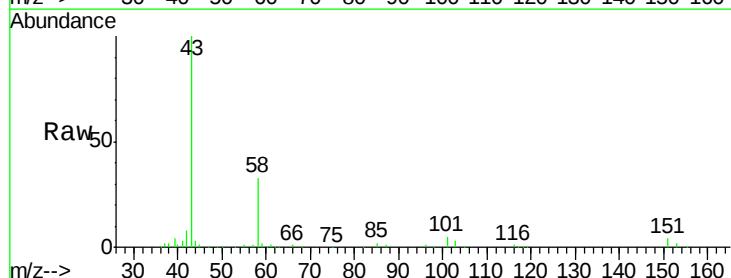
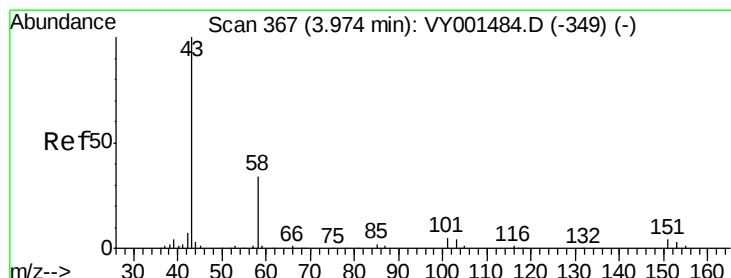
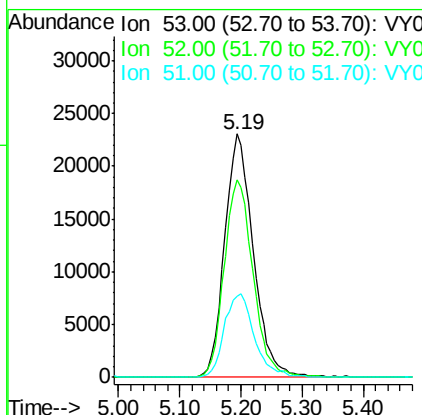
Acq: 05 Feb 2020 12:46

Tot Ion:	53	Resp:	74464
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.4	98.2
51	36.2	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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MMDadoda
2/6/2020 12:46:53 PM



#16

Acetone

Concen: 108.113 ug/l

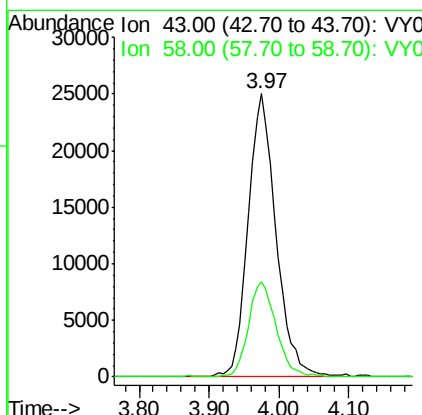
RT: 3.97 min Scan# 367

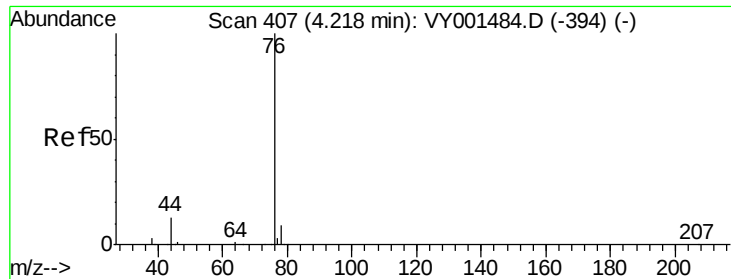
Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion:	43	Resp:	69445
Ion Ratio	Lower	Upper	
43	100		
58	33.3	27.5	41.3





#17

Carbon Disulfide

Concen: 22.520 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 76 Resp: 166236

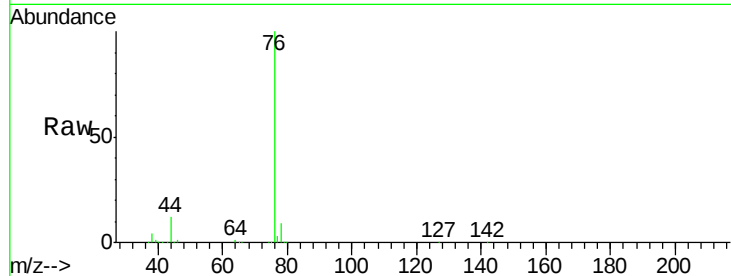
Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

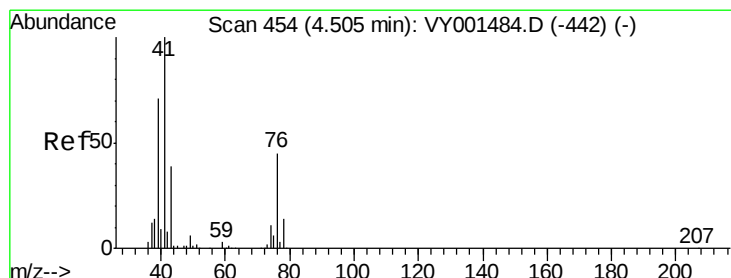
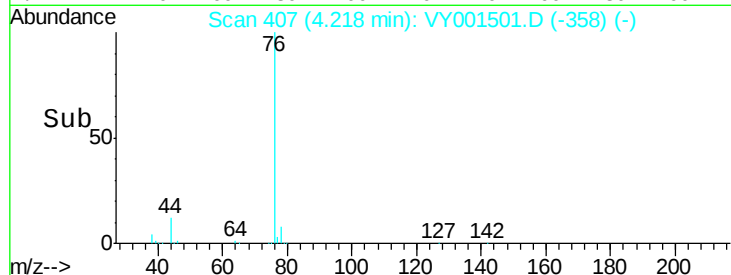
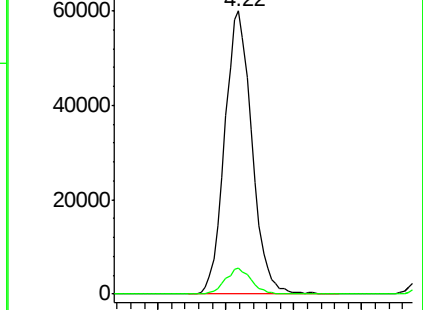
Manual Integrations
APPROVED

MMDadoda
2/6/2020 12:46:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 25.811 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001501.D

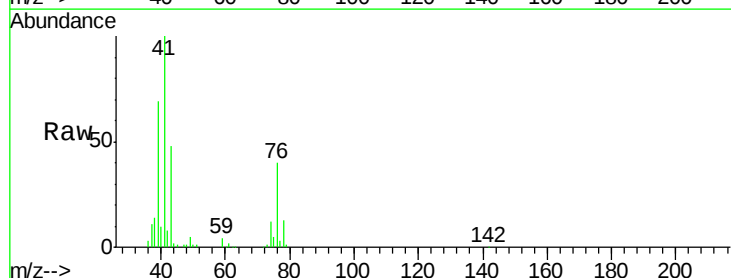
Acq: 05 Feb 2020 12:46

Tgt Ion: 43 Resp: 35380

Ion Ratio Lower Upper

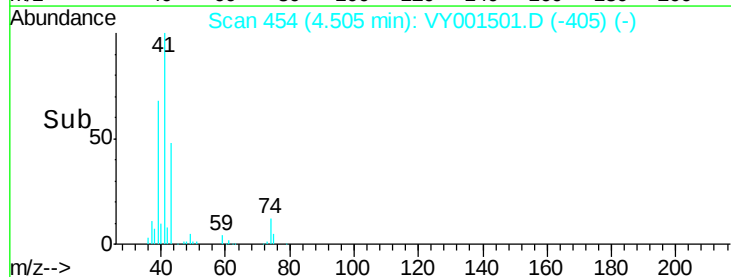
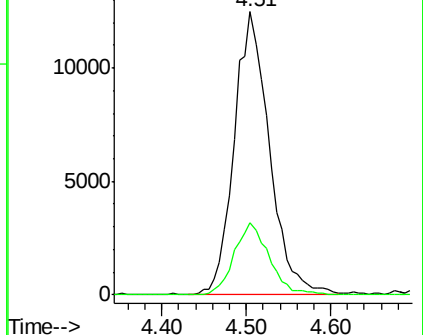
43 100

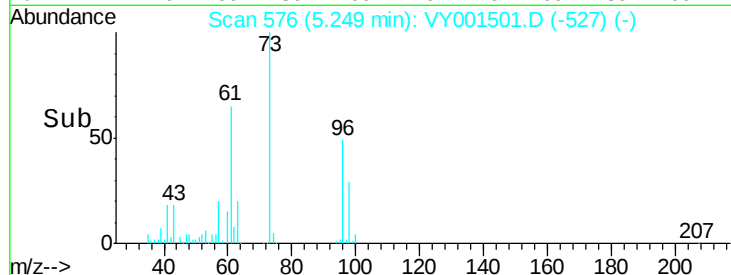
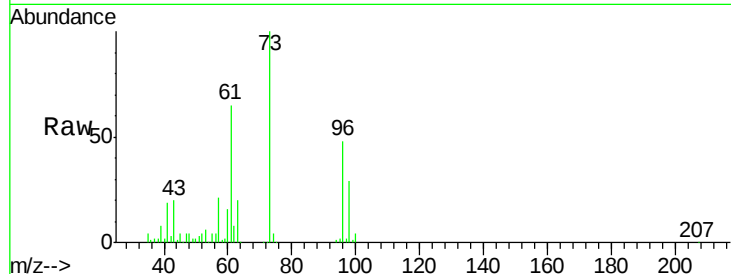
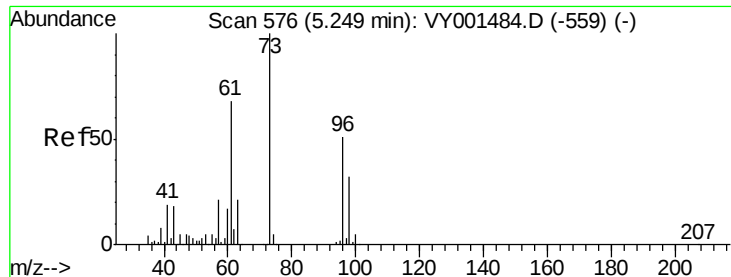
74 25.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





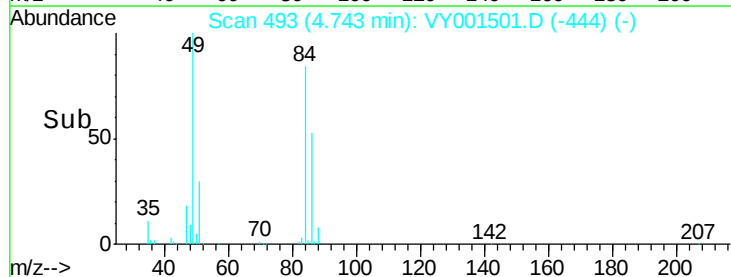
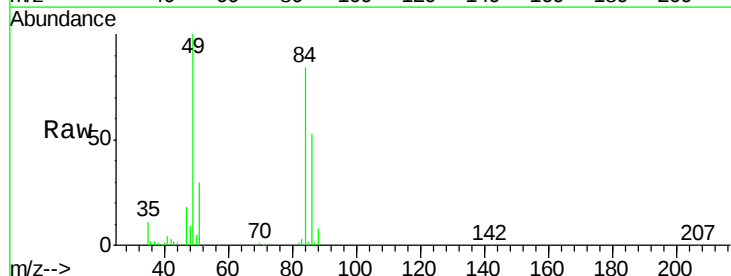
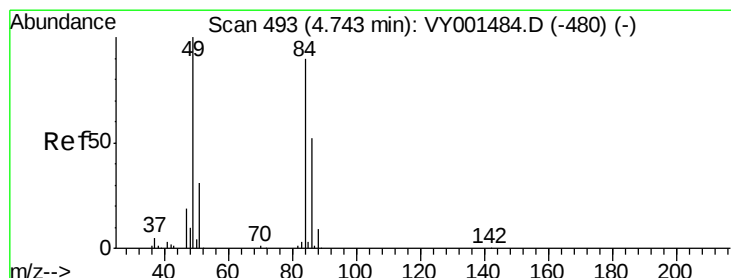
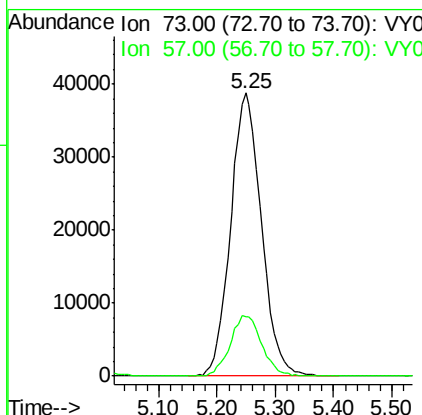
#19
Methvl tert-butvl Ether
Concen: 23.039 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tot Ion: 73 Resp: 142072
Ion Ratio Lower Upper
73 100
57 20.8 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

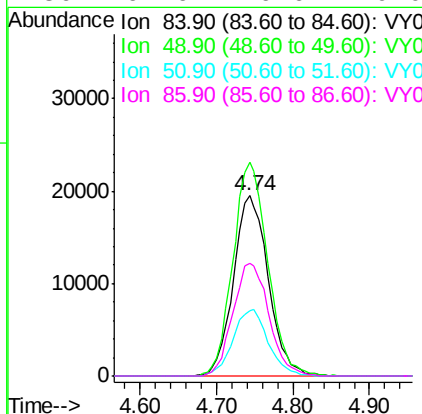
Manual Integrations
APPROVED

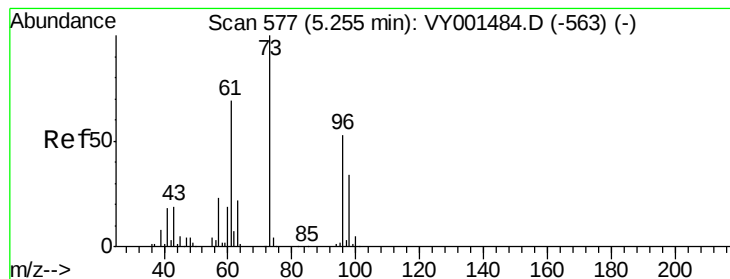
MMDadoda
2/6/2020 12:46:53 PM



#20
Methylene Chloride
Concen: 21.868 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion: 84 Resp: 61688
Ion Ratio Lower Upper
84 100
49 118.7 89.0 133.6
51 36.0 27.4 41.2
86 62.6 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 21.971 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

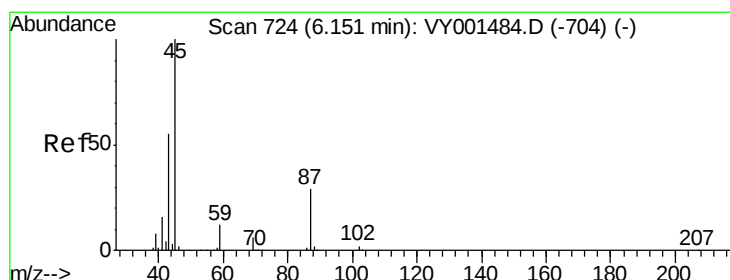
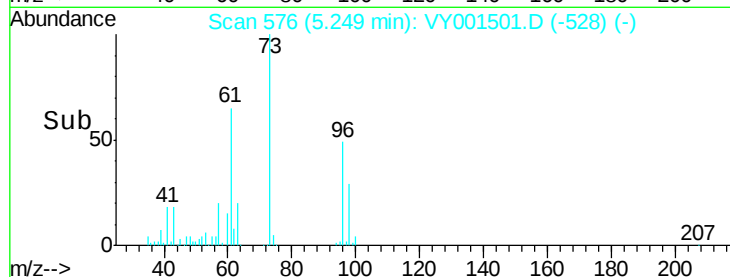
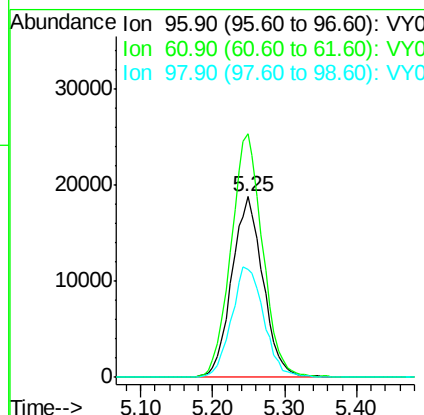
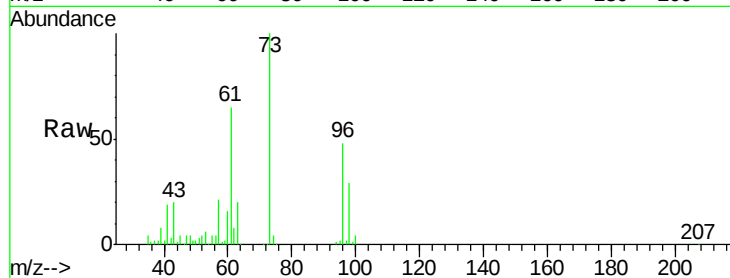
ClientSampleId :

VY0205SBS01

Tot Ion:	96	Resp:	56636
Ion	Ratio	Lower	Upper
96	100		
61	134.8	104.2	156.4
98	59.5	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
2/6/2020 12:46:53 PM



#22

Diisopropyl ether

Concen: 24.082 ug/l

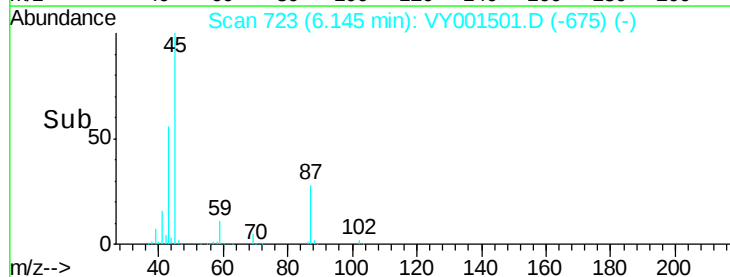
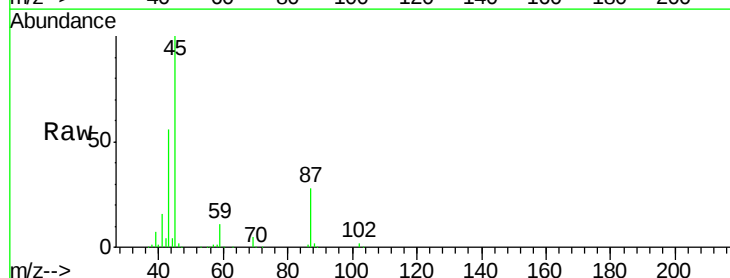
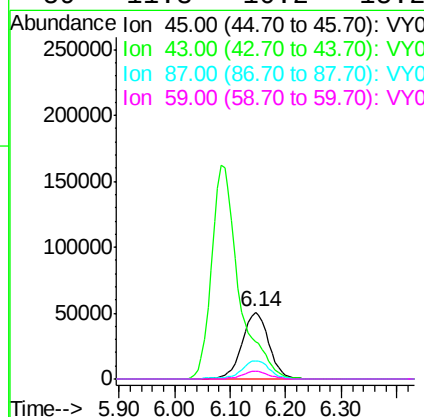
RT: 6.14 min Scan# 723

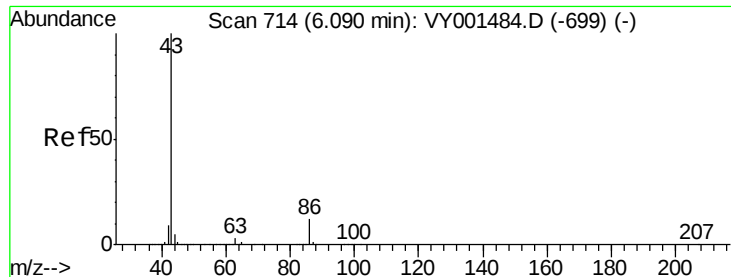
Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion:	45	Resp:	169246
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.2	66.4
87	27.5	23.9	35.9
59	11.3	10.2	15.2





#23

Vinyl Acetate

Concen: 123.250 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 43 Resp: 551402

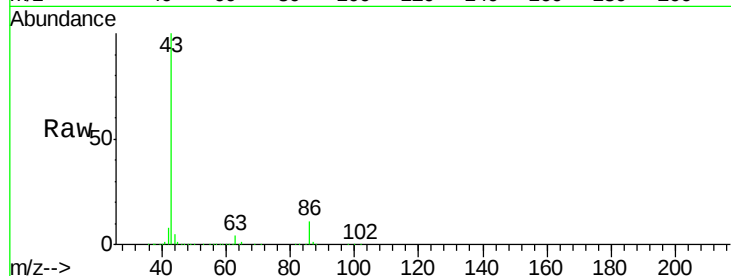
Ion Ratio Lower Upper

43 100

86 10.8 9.8 14.8

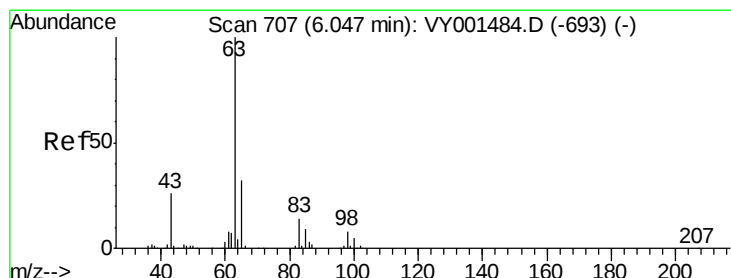
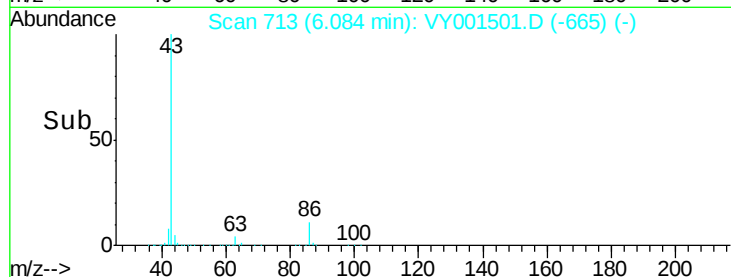
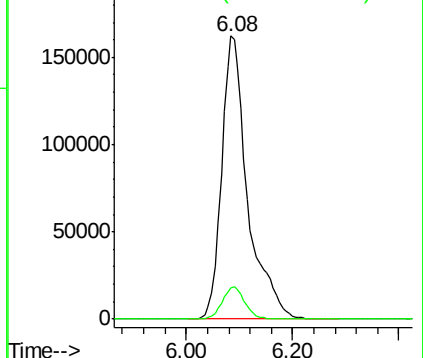
Manual Integrations
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MMDadoda
2/6/2020 12:46:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.693 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

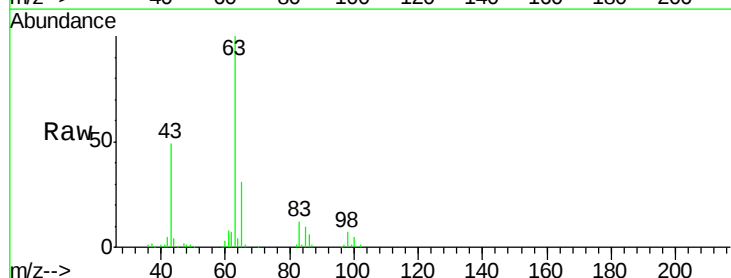
Tgt Ion: 63 Resp: 95928

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

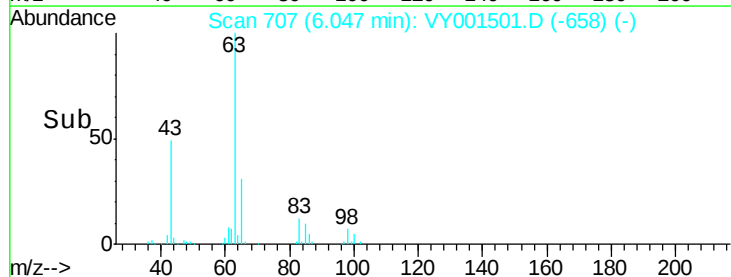
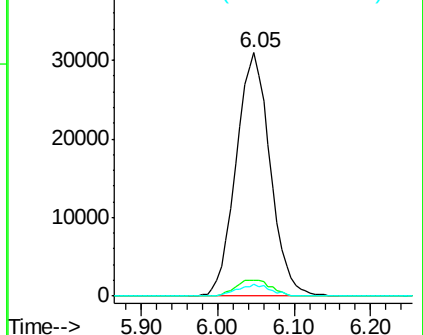
100 4.6 2.6 8.0

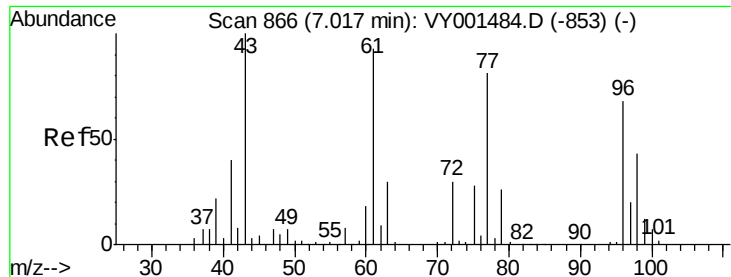


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 119.235 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tot Ion: 43 Resp: 99363

Ion Ratio Lower Upper

43 100

72 30.7 23.8 35.8

Instrument :

MSVOA_Y

ClientSampleId :

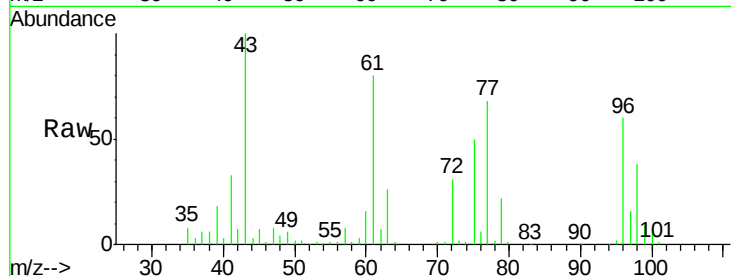
VY0205SBS01

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

40000

30000

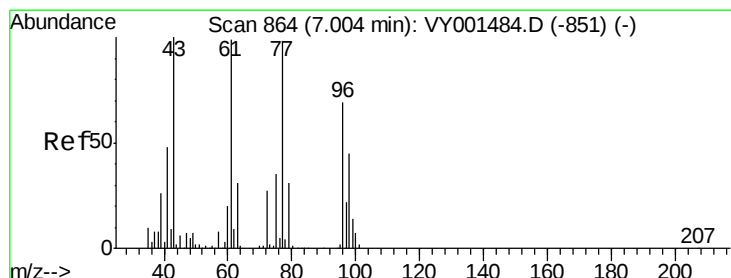
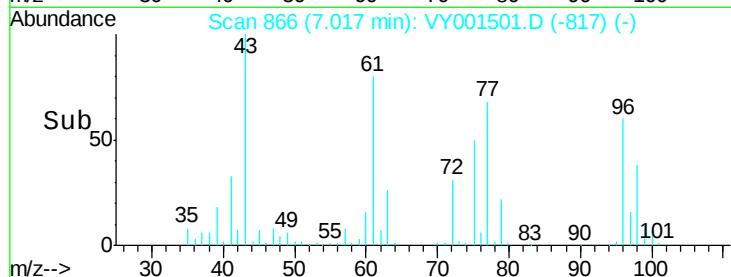
20000

10000

0

6.90 6.95 7.00 7.05 7.10

Time-->



#26

2,2-Dichloropropane

Concen: 21.732 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001501.D

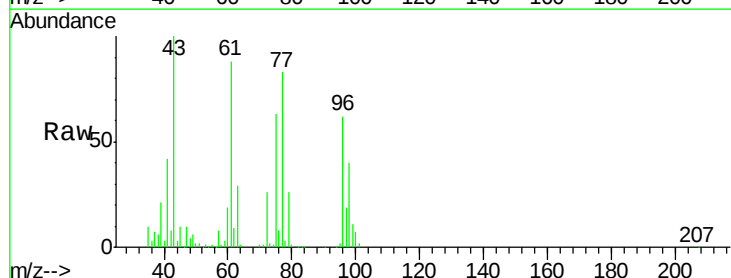
Acq: 05 Feb 2020 12:46

Tgt Ion: 77 Resp: 87922

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.00

30000

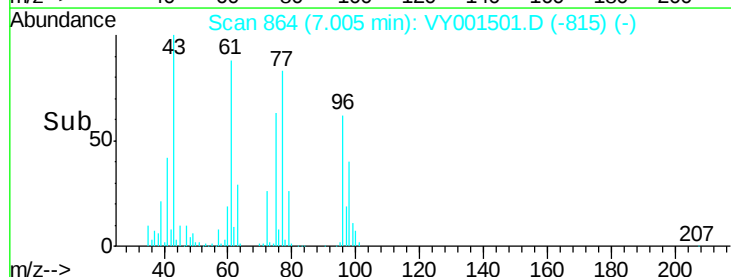
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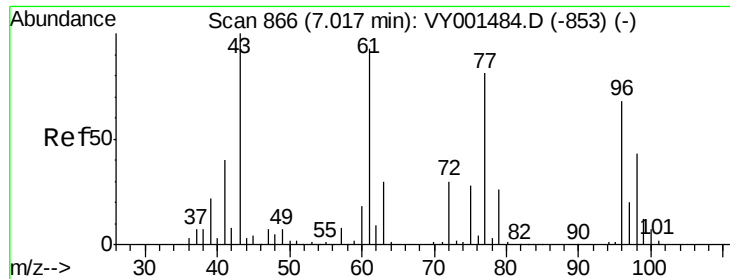
10000

0

6.90 7.00 7.10

Time-->





#27

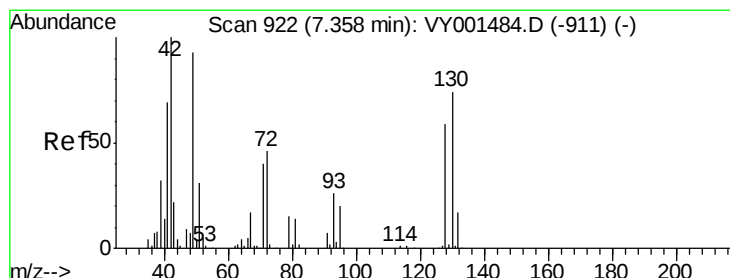
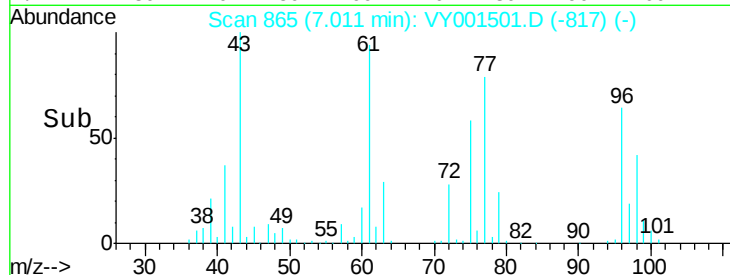
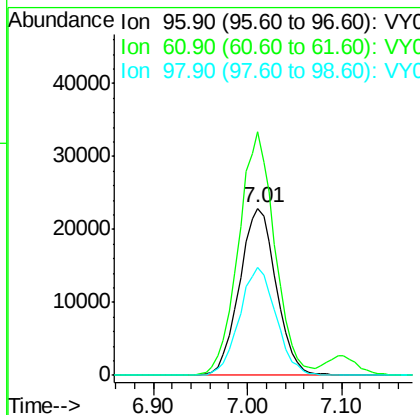
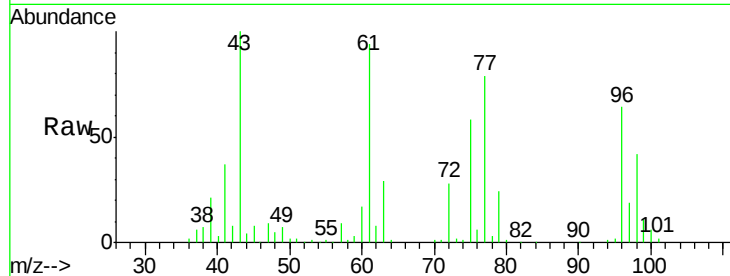
cis-1,2-Dichloroethene
Concen: 22.168 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	278.8
98	64.2	0.0	128.8

Manual Integrations
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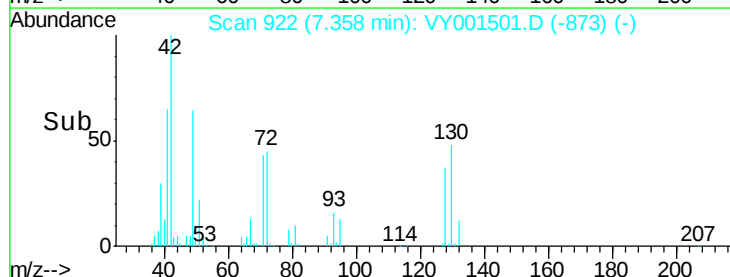
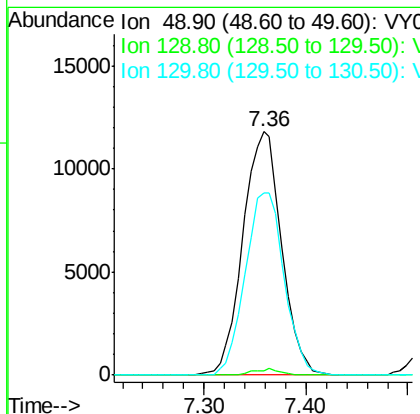
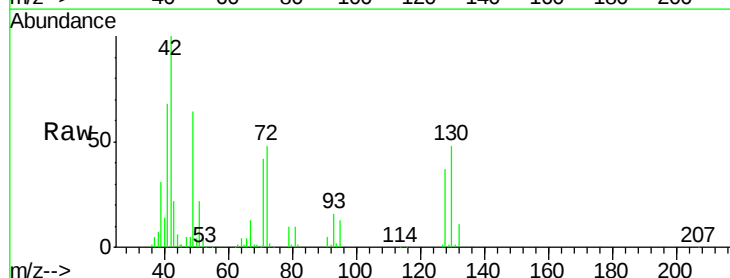
MMDadoda
2/6/2020 12:46:53 PM

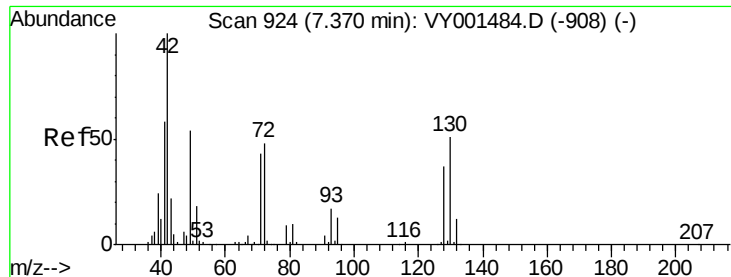


#28

Bromochloromethane
Concen: 21.596 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	75.3	65.4	98.2





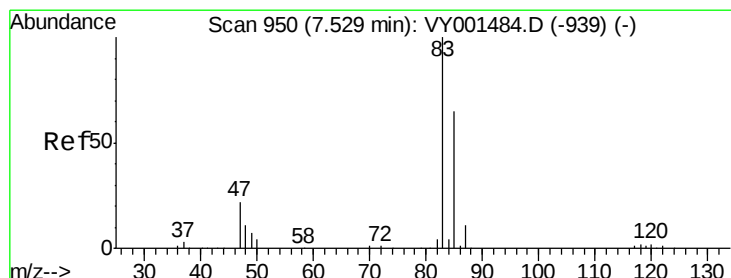
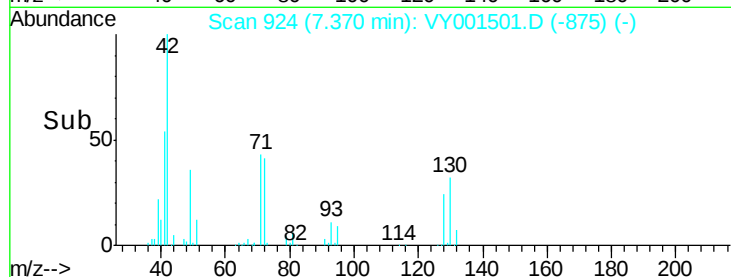
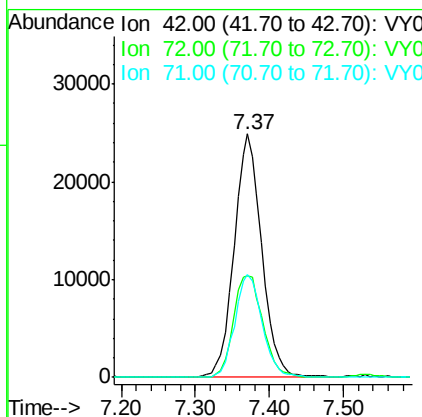
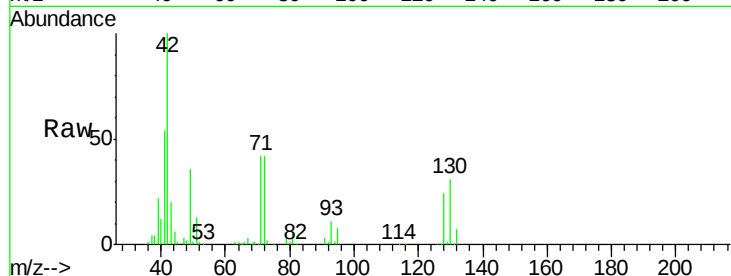
#29
Tetrahydrofuran
Concen: 129.170 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.8	56.6
71	42.0	34.8	52.2

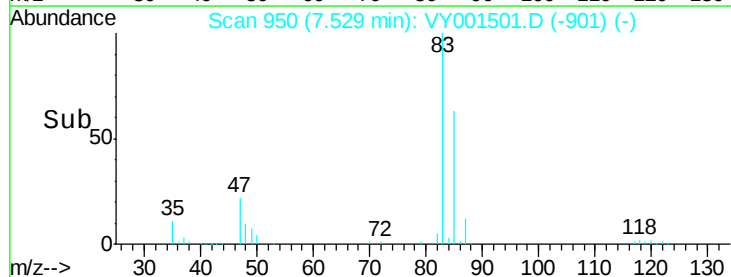
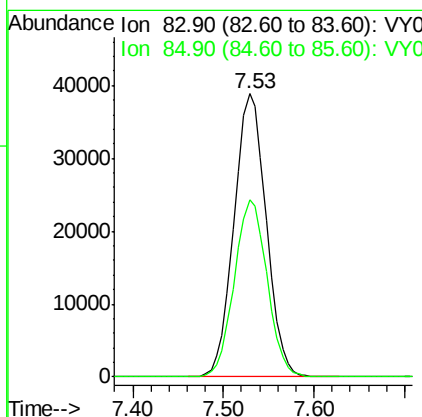
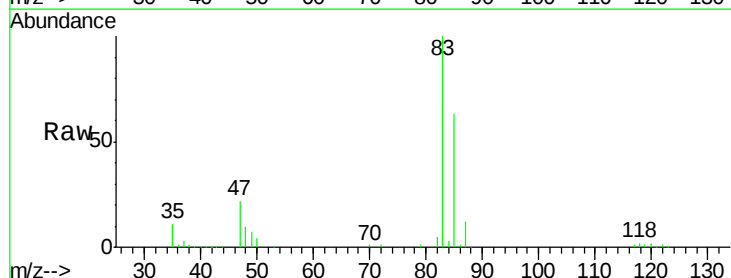
Manual Integrations
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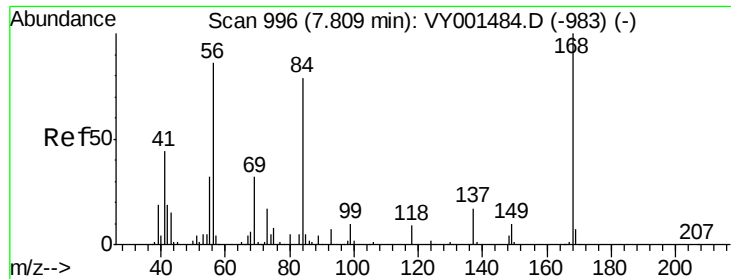
MMDadoda
2/6/2020 12:46:53 PM



#30
Chloroform
Concen: 22.345 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





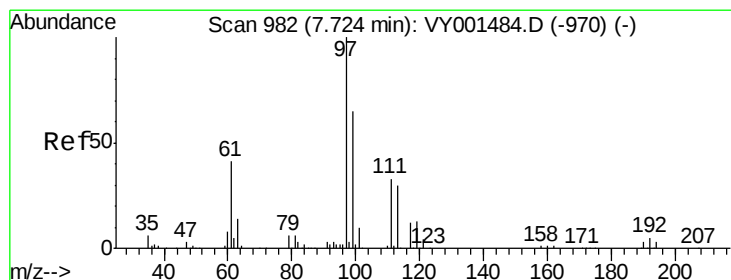
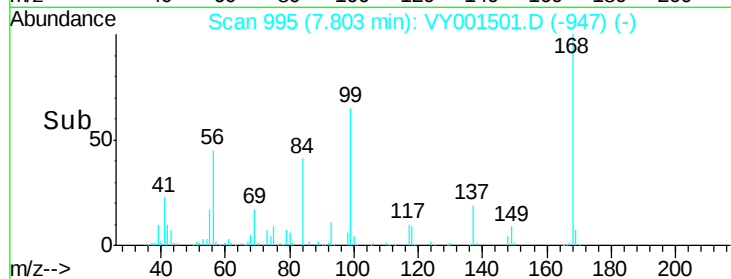
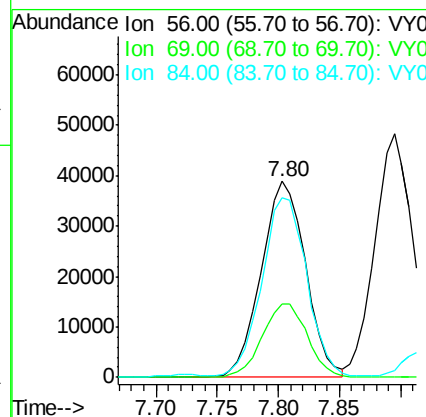
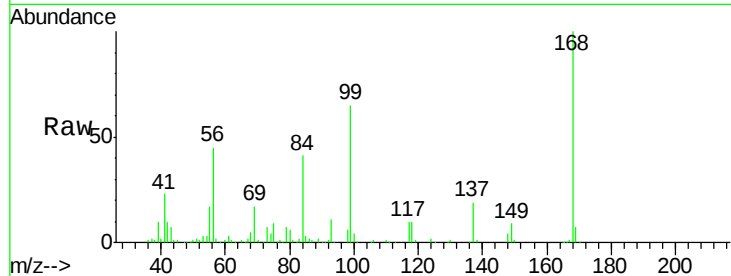
#31
Cyclohexane
Concen: 22.800 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	29.6	44.4
84	90.3	73.6	110.4

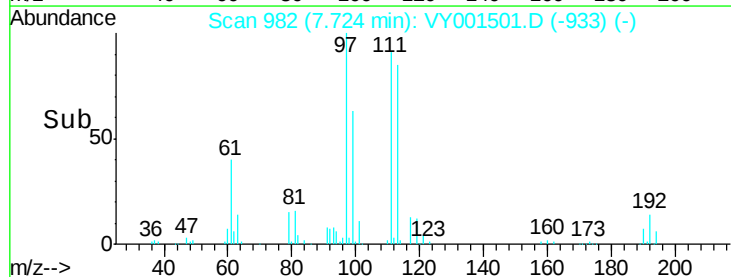
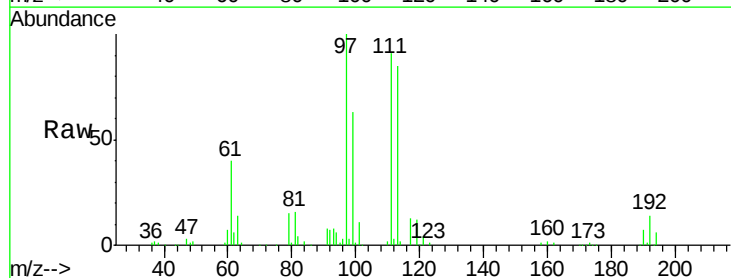
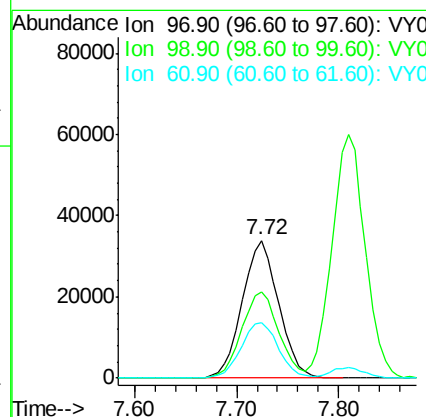
Manual Integrations
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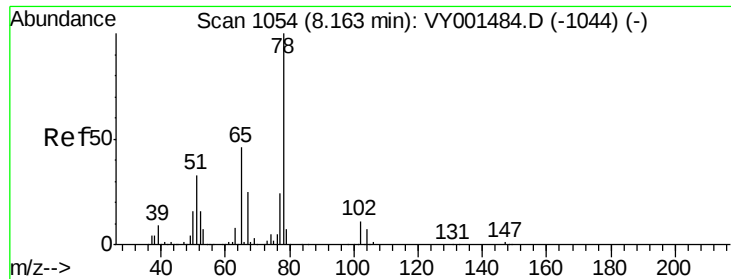
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.601 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	41.5	32.5	48.7





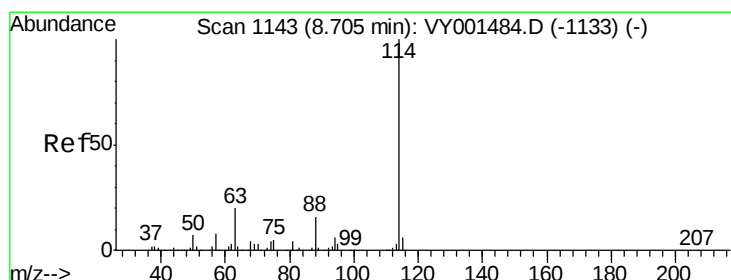
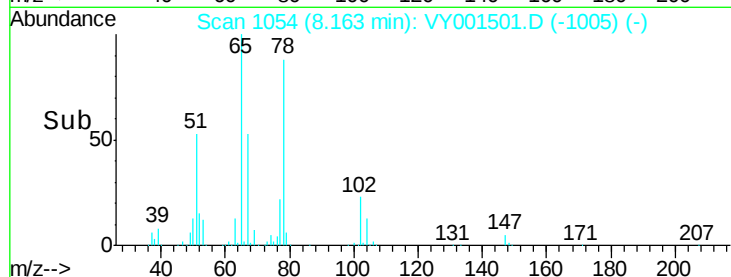
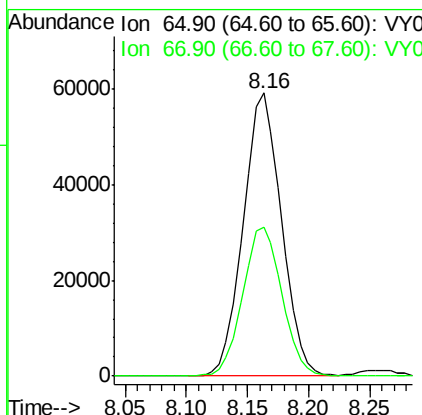
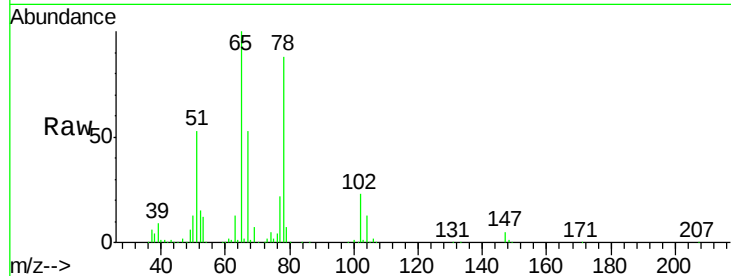
#33
 1,2-Dichloroethane-d4
 Concen: 57.894 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.6	

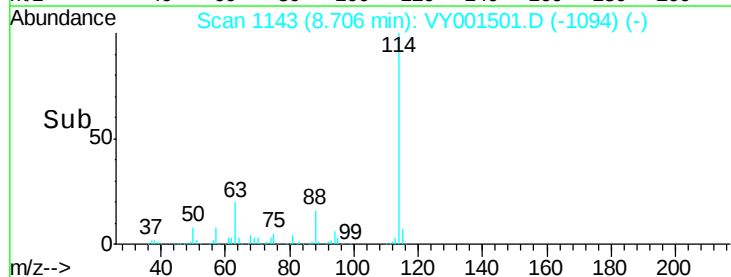
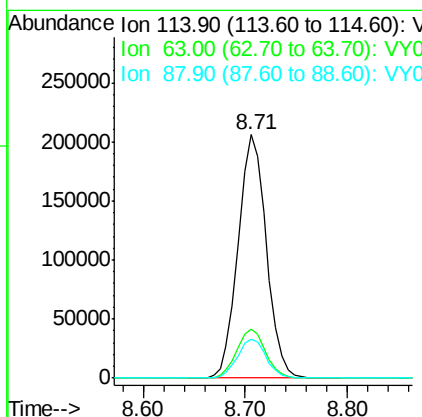
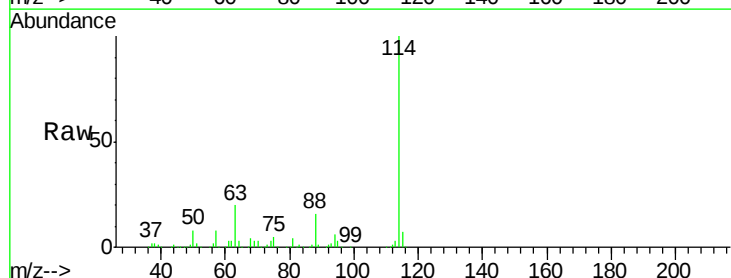
Manual Integrations
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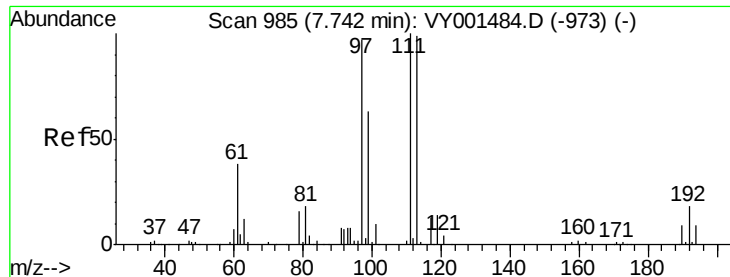
MMDadoda
 2/6/2020 12:46:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	16.0	0.0	32.6	





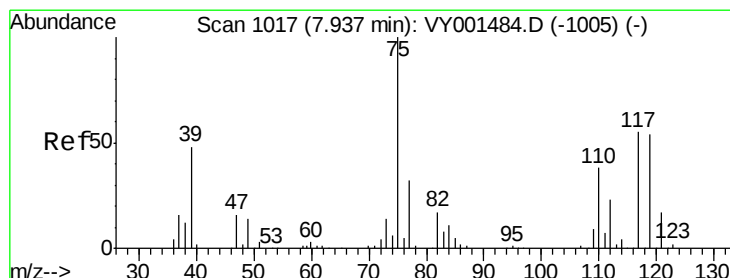
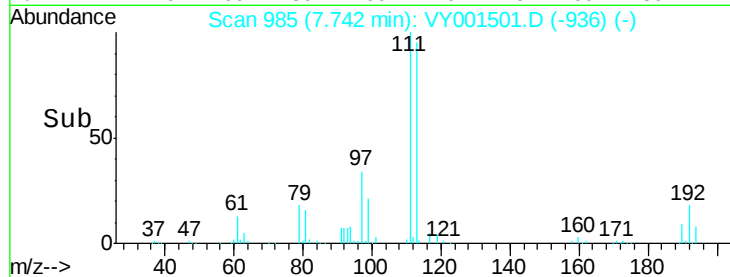
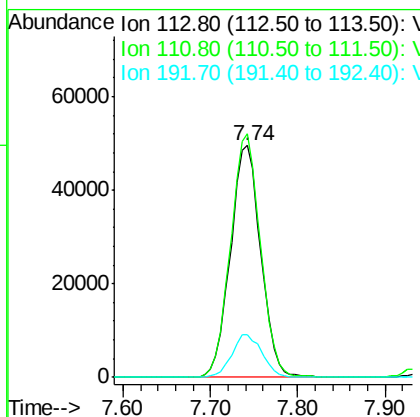
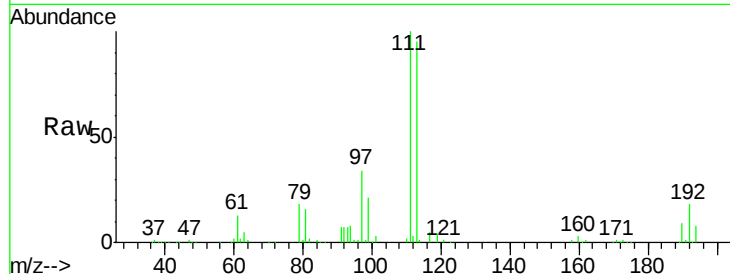
#35
Dibromofluoromethane
Concen: 52.663 ug/l
RT: 7.74 min Scan# 985
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119542		
111	103.5	82.9	124.3	
192	18.4	14.6	22.0	

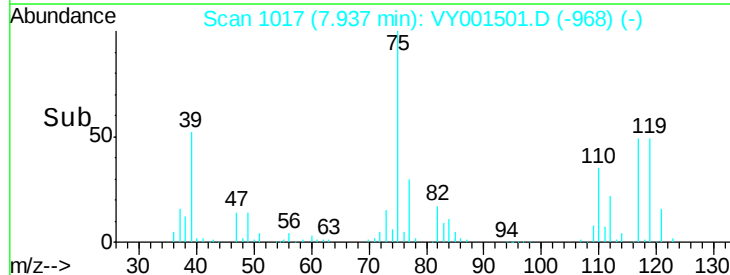
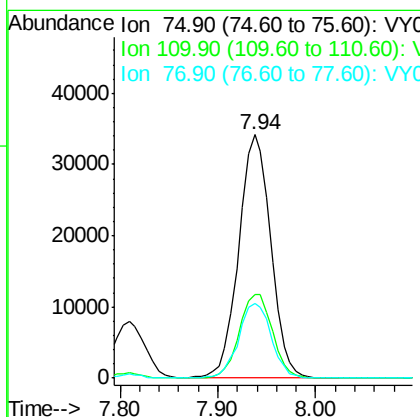
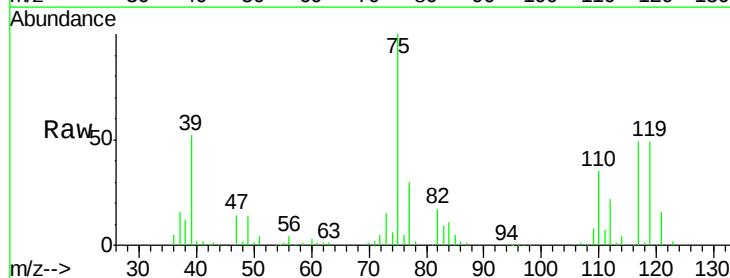
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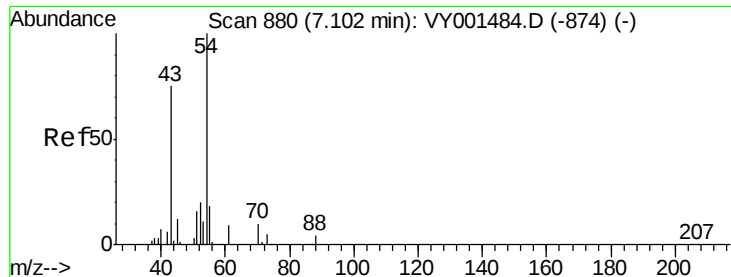
MMDadoda
2/6/2020 12:46:53 PM



#36
1,1-Dichloropropene
Concen: 21.712 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78186		
110	35.3	18.2	54.6	
77	31.2	25.0	37.4	





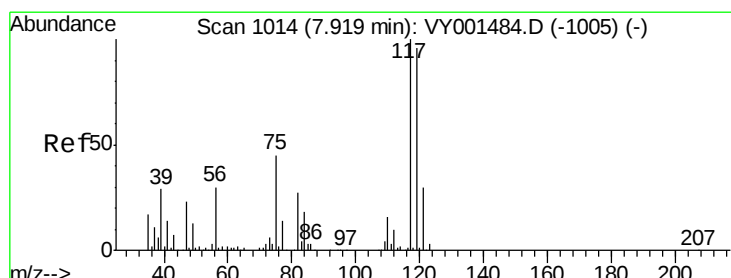
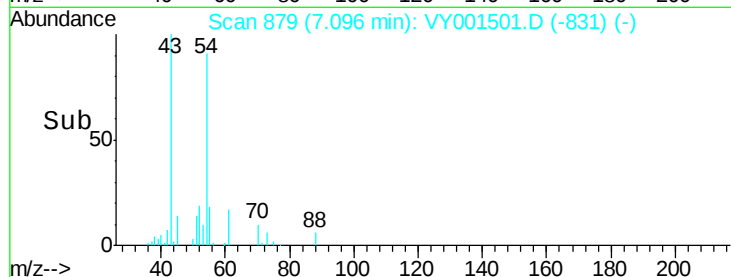
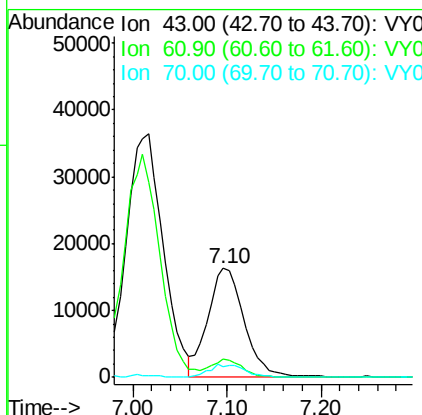
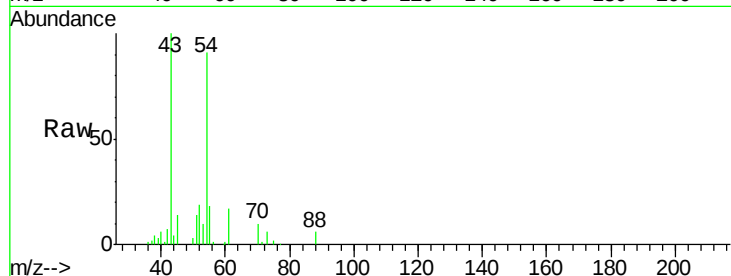
#37
Ethyl Acetate
Concen: 25.252 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	11.4	10.2	15.4

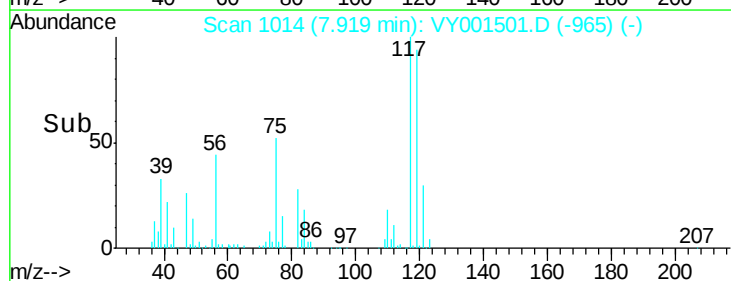
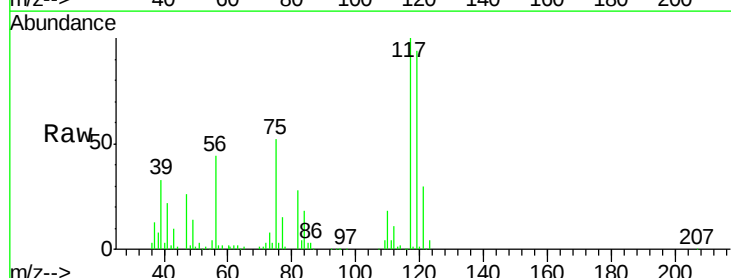
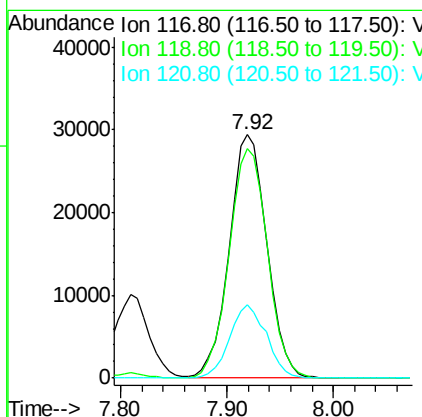
Manual Integrations
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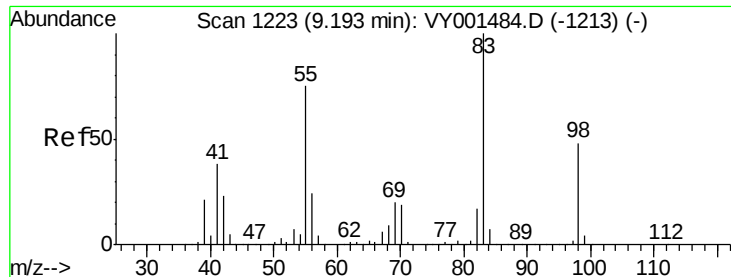
MMDadoda
2/6/2020 12:46:53 PM



#38
Carbon Tetrachloride
Concen: 20.945 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.4	114.6
121	29.9	24.2	36.4





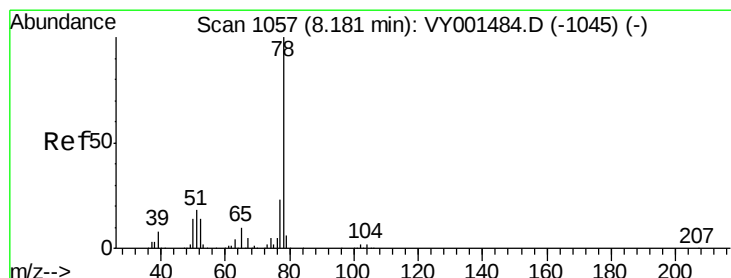
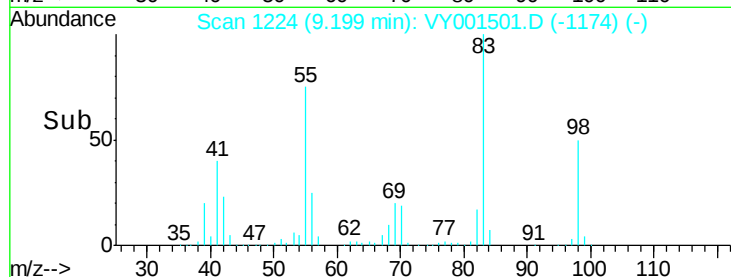
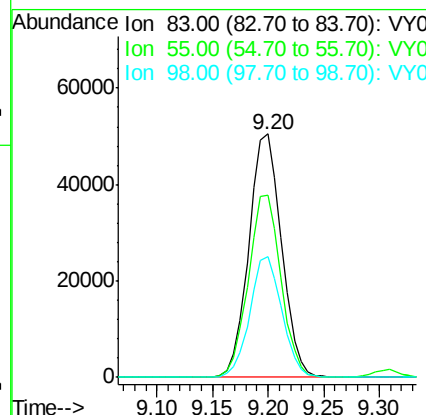
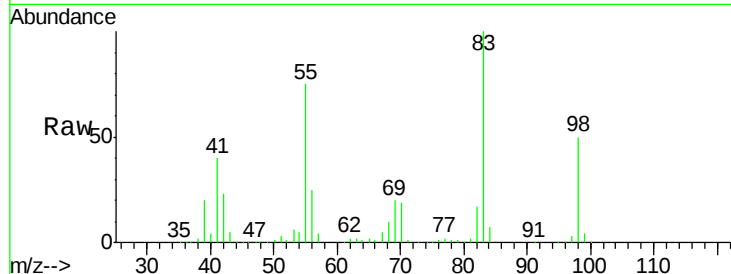
#39
Methvlcvclohexane
Concen: 21.792 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	83	Resp	103328
Ion Ratio	Lower	Upper	
83	100		
55	74.9	59.8	89.6
98	49.7	38.6	57.8

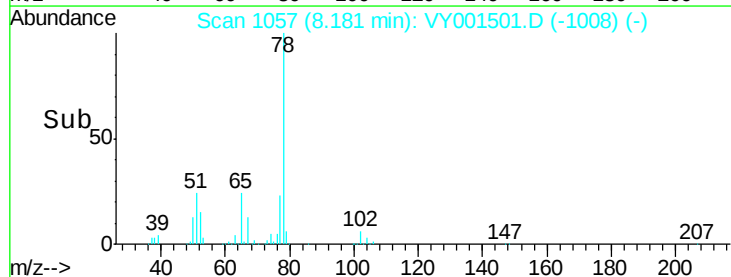
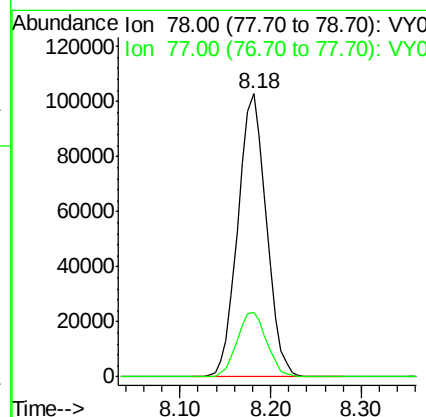
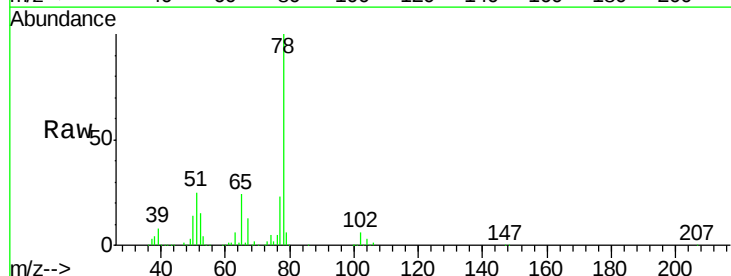
Manual Integrations
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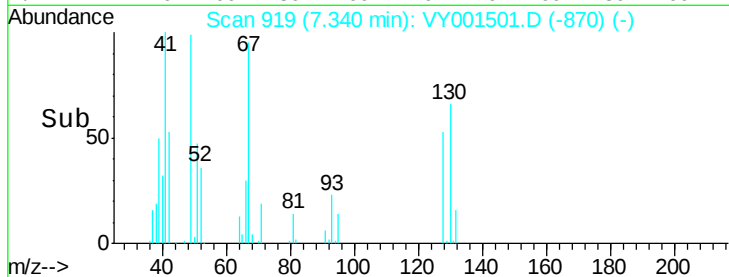
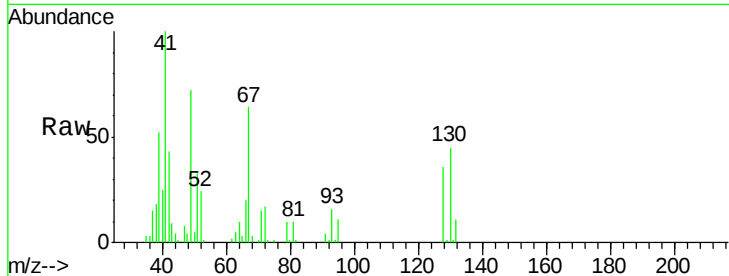
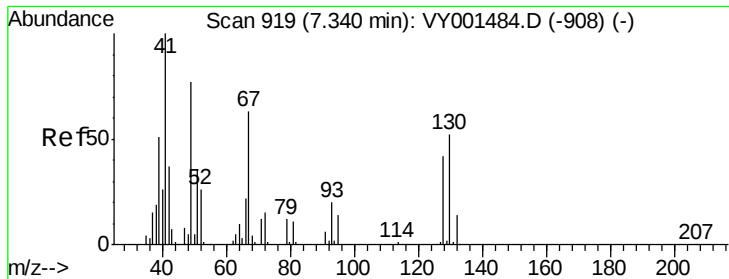
MMDadoda
2/6/2020 12:46:53 PM



#40
Benzene
Concen: 21.794 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	78	Resp	223857
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.5	27.7





#41

Methacrylonitrile

Concen: 24.281 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001501.D

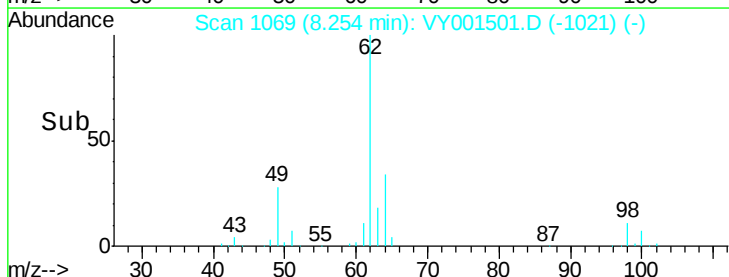
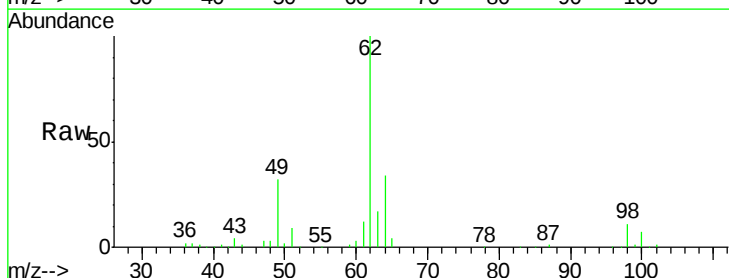
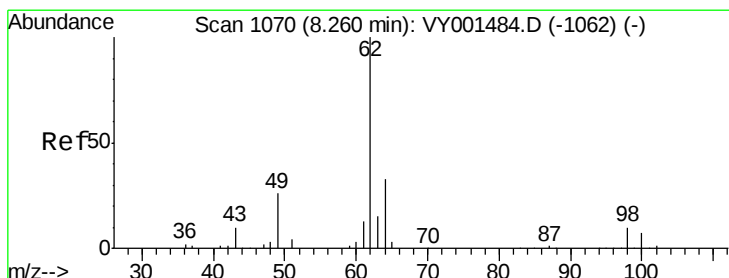
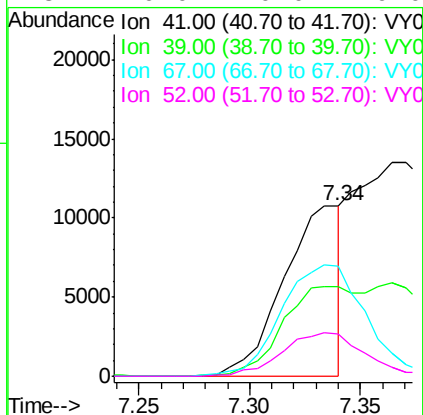
Acq: 05 Feb 2020 12:46

Tot Ion:	41	Resp:	19618
Ion	Ratio	Lower	Upper
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Manual Integrations
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MMDadoda
2/6/2020 12:46:53 PM



#42

1,2-Dichloroethane

Concen: 21.878 ug/l

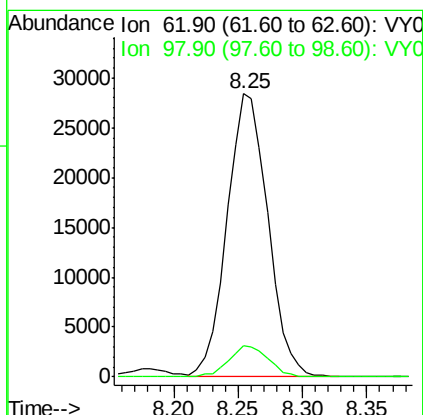
RT: 8.25 min Scan# 1069

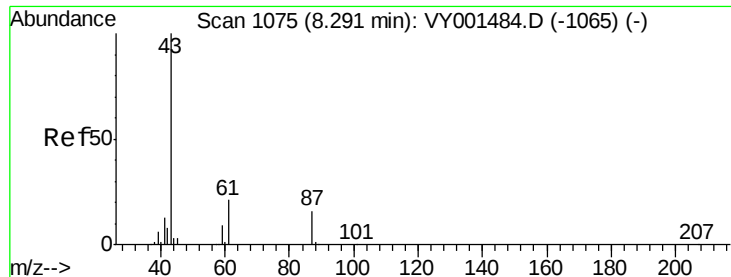
Delta R.T. -0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion:	62	Resp:	62606
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





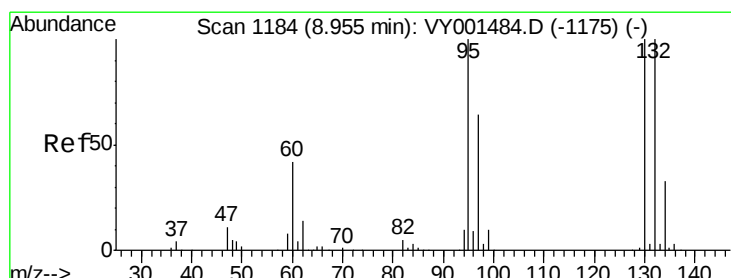
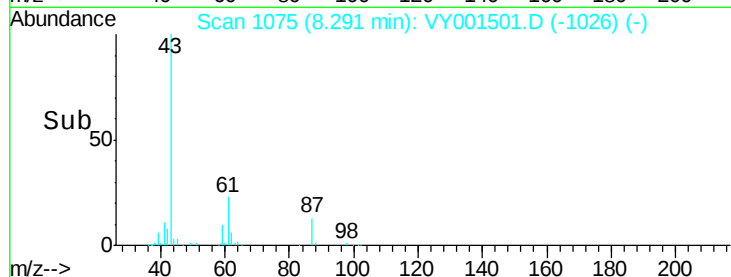
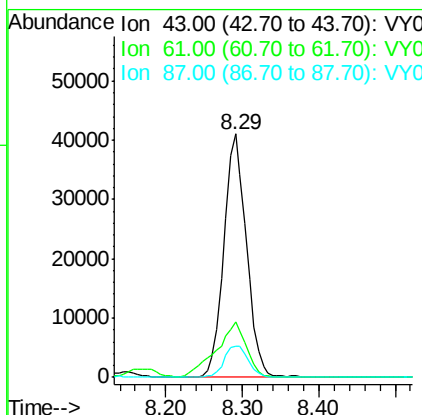
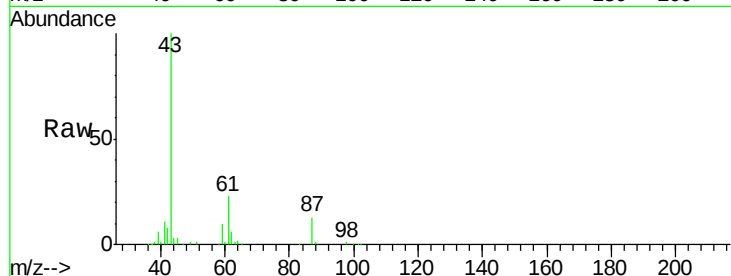
#43
Isopropyl Acetate
Concen: 24.224 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.1	37.7
87	13.9	12.6	19.0

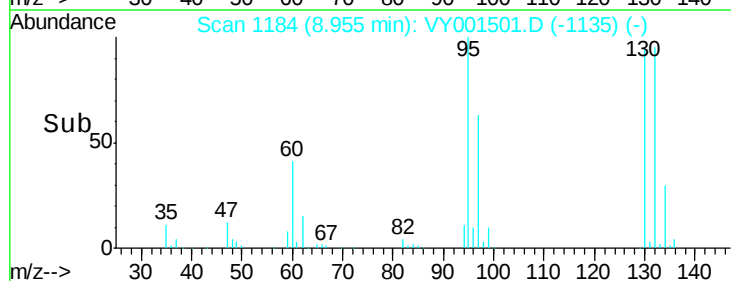
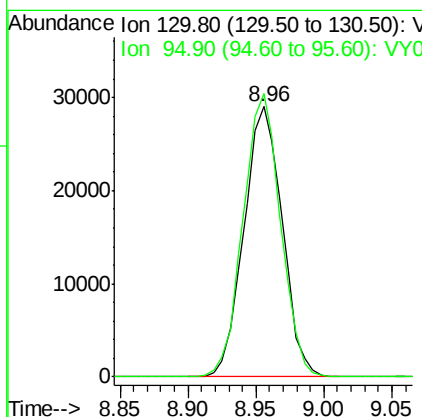
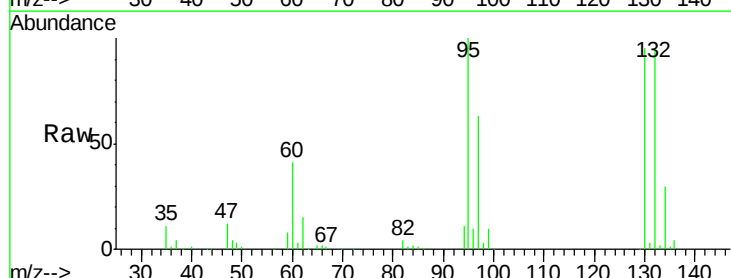
Manual Integrations
APPROVED

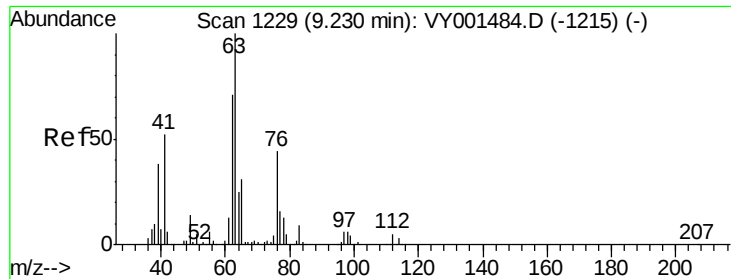
MMDadoda
2/6/2020 12:46:53 PM



#44
Trichloroethene
Concen: 20.642 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 22.596 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 63 Resp: 56045

Ion Ratio Lower Upper

63 100

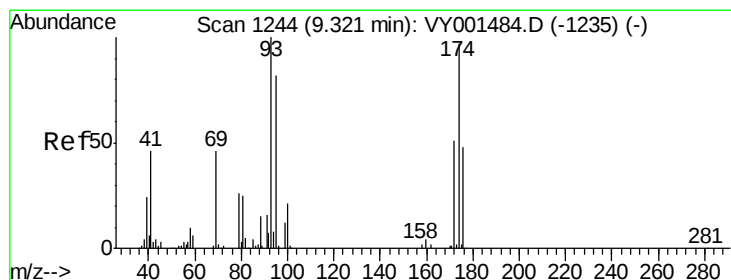
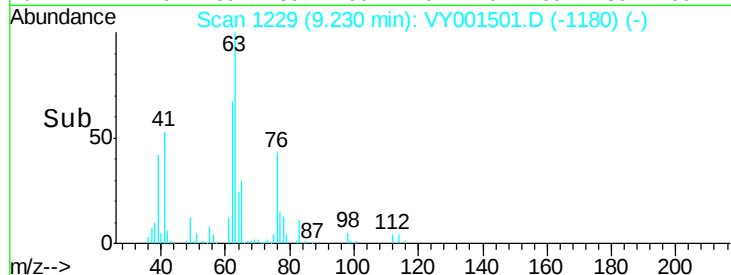
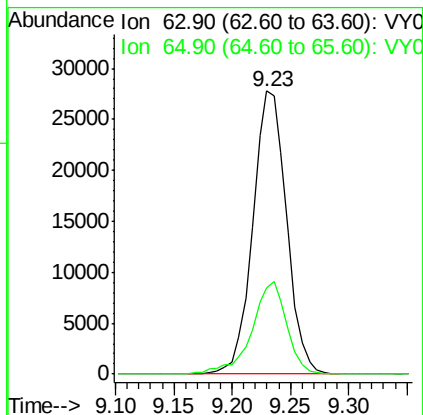
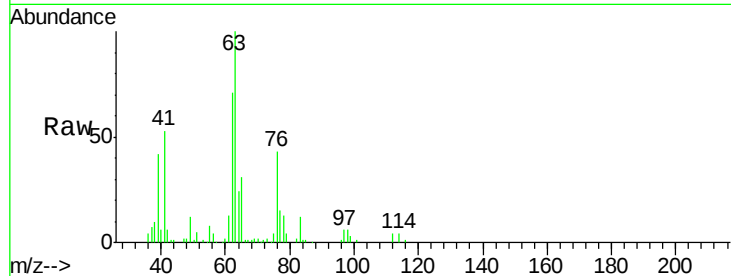
65 30.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 21.792 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

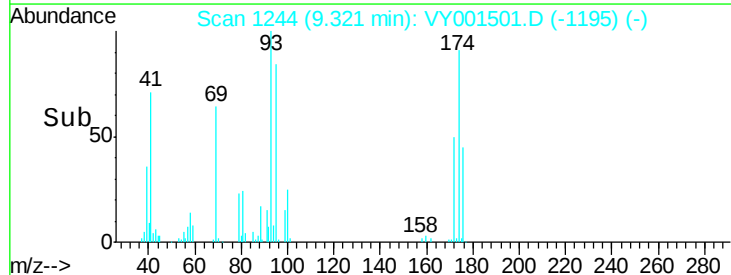
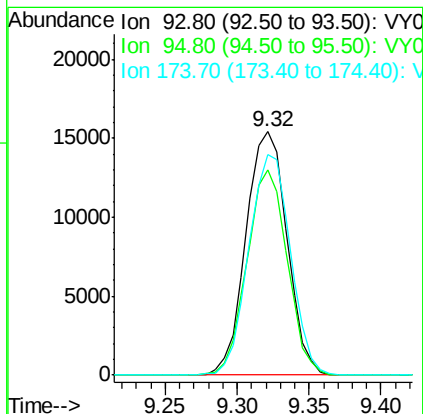
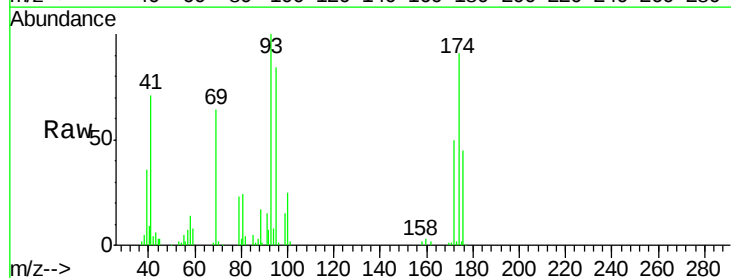
Tgt Ion: 93 Resp: 30351

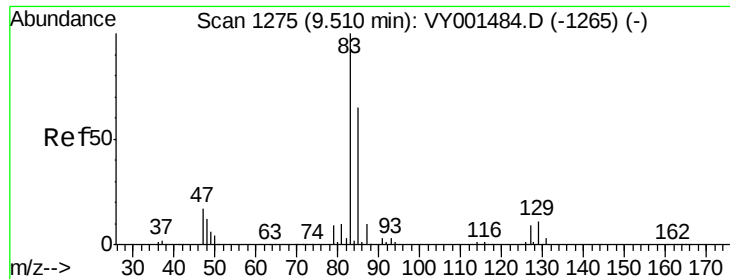
Ion Ratio Lower Upper

93 100

95 82.6 66.6 99.8

174 92.0 75.4 113.2





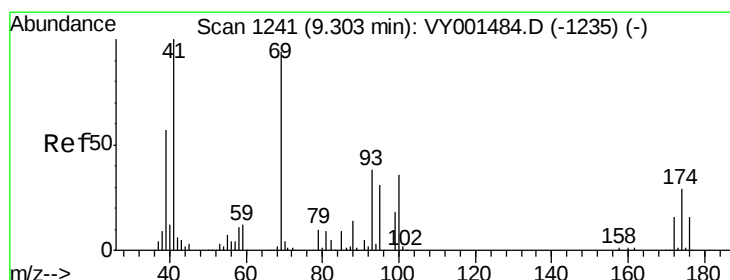
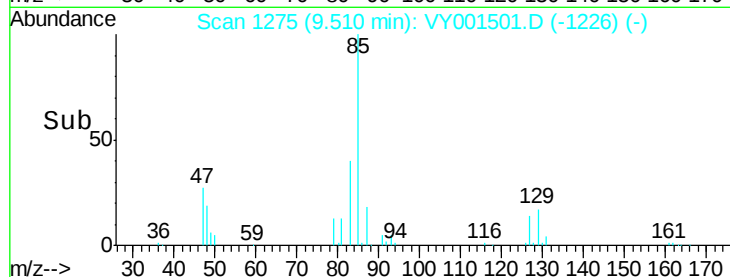
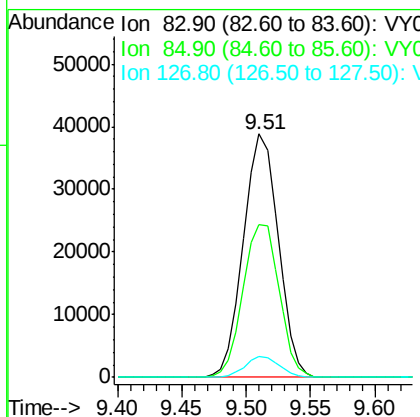
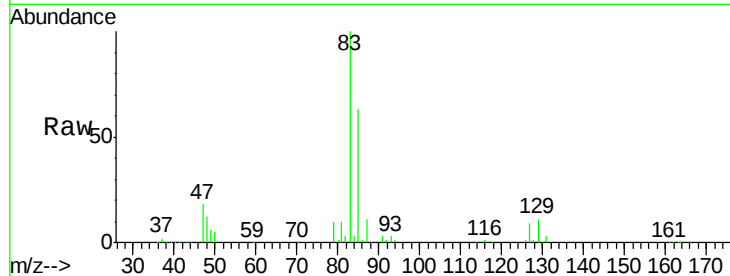
#47
Bromodichloromethane
Concen: 21.523 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	83	Resp	73037
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	51.9	77.9
127	8.7	6.9	10.3

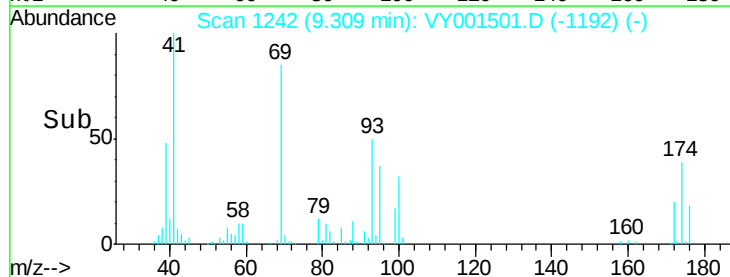
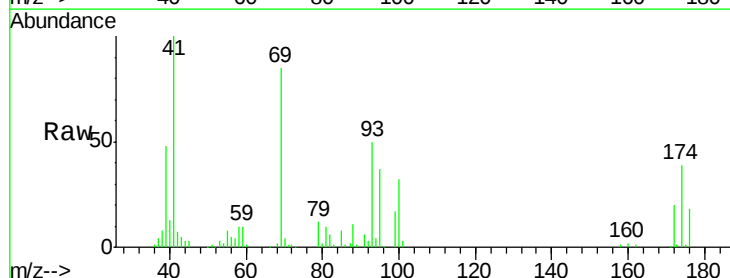
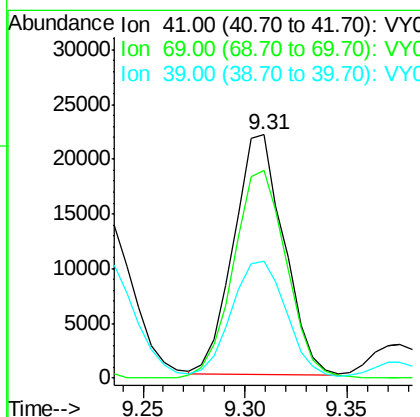
Manual Integrations
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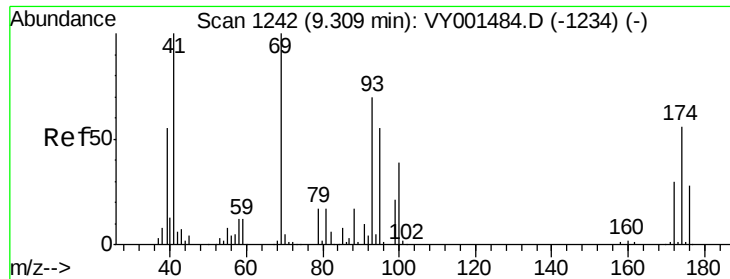
MMDadoda
2/6/2020 12:46:53 PM



#48
Methyl methacrylate
Concen: 24.087 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	41	Resp	37733
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	76.6	114.8
39	53.4	45.4	68.0





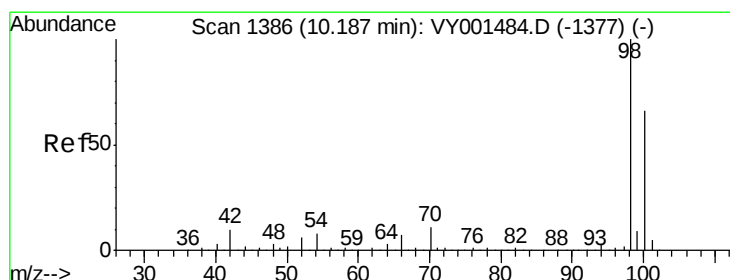
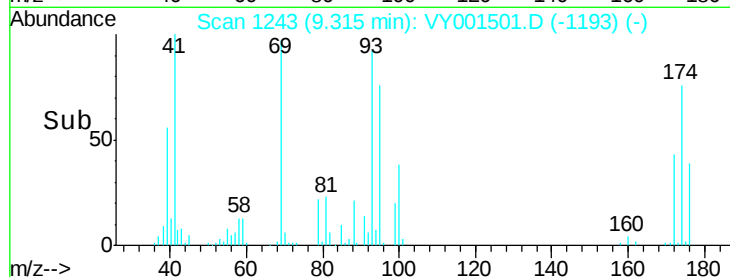
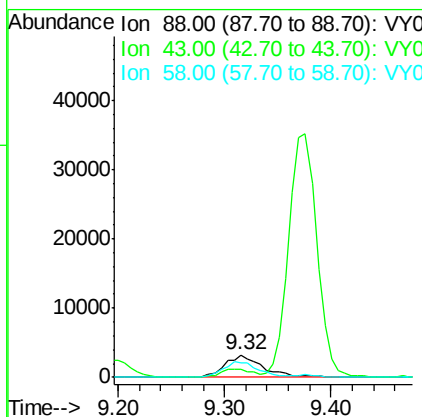
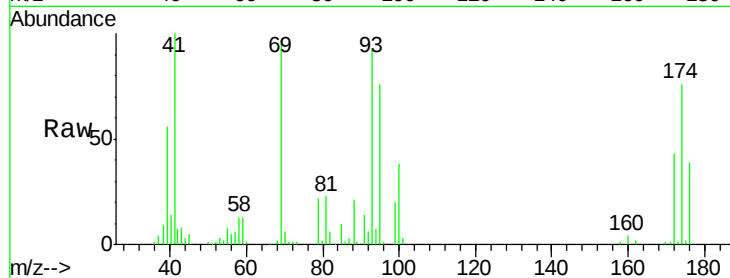
#49
1,4-Dioxane
Concen: 441.355 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	88	Resp	8118
Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.8	37.2
58	64.3	59.3	88.9

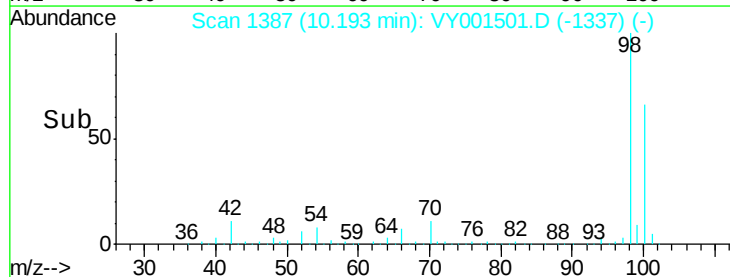
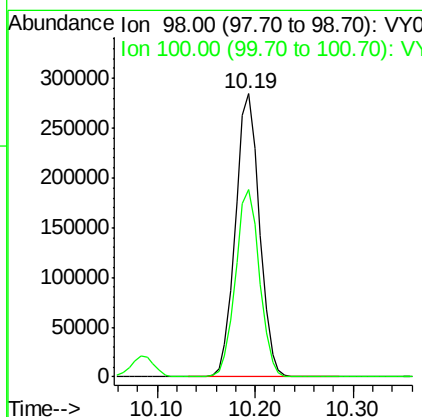
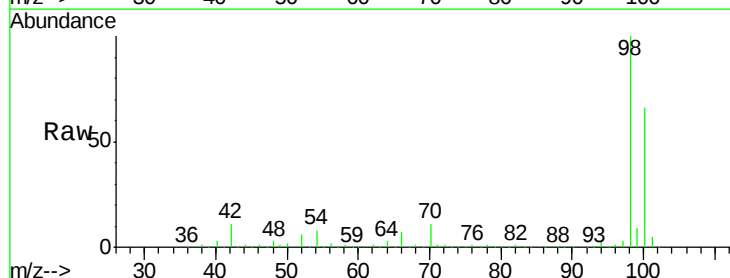
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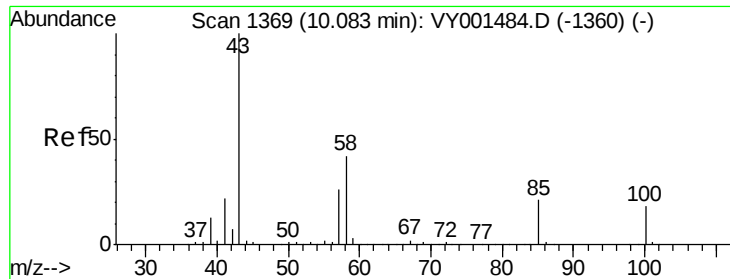
MMDadoda
2/6/2020 12:46:53 PM



#50
Toluene-d8
Concen: 56.490 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	98	Resp	485141
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 124.938 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 43 Resp: 212369

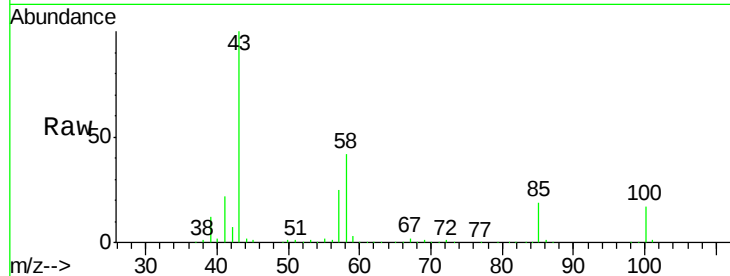
Ion Ratio Lower Upper

43 100

58 41.2 33.9 50.9

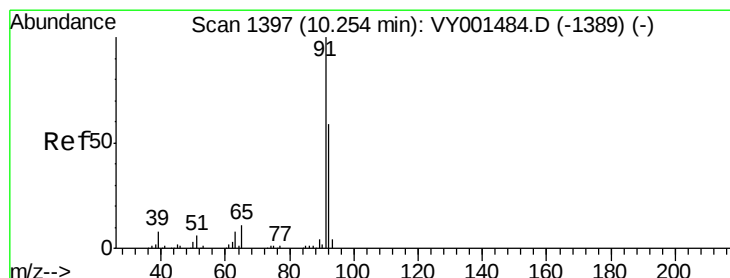
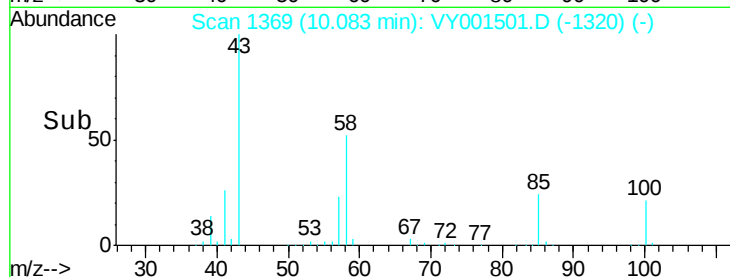
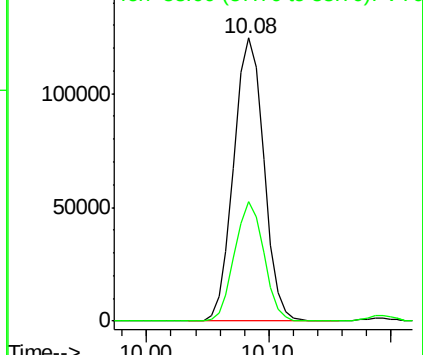
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY001501.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001501.D (-1320) (-)



#52

Toluene

Concen: 21.929 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY001501.D

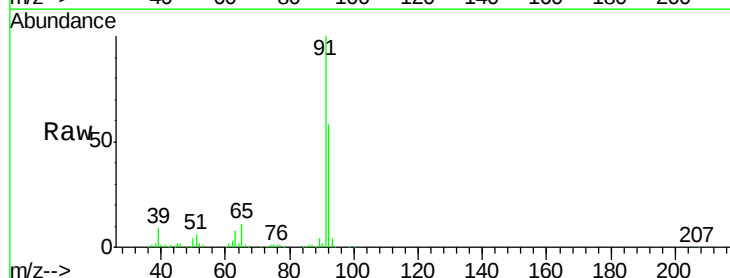
Acq: 05 Feb 2020 12:46

Tgt Ion: 92 Resp: 142920

Ion Ratio Lower Upper

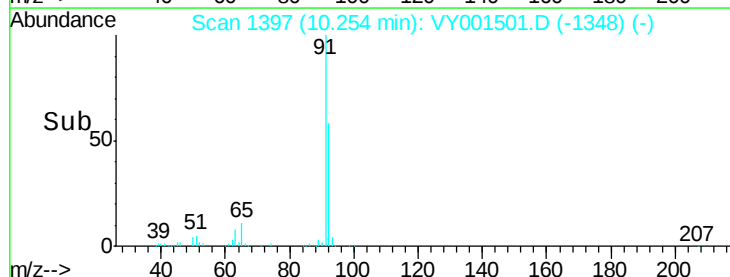
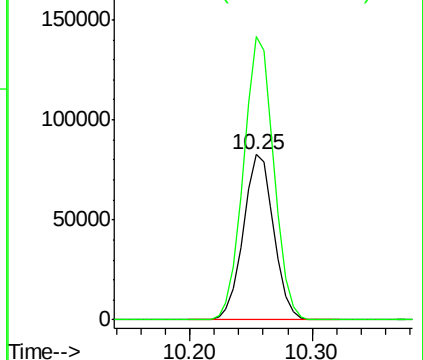
92 100

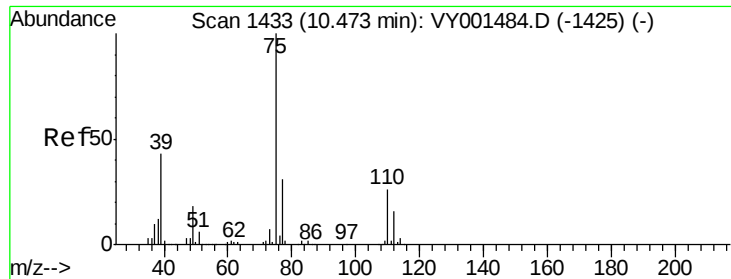
91 169.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001501.D (-1348) (-)

Ion 91.00 (90.70 to 91.70): VY001501.D (-1348) (-)





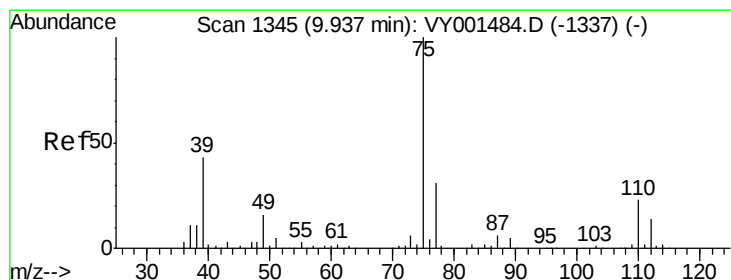
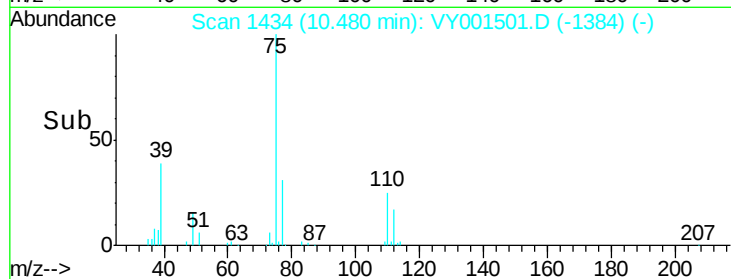
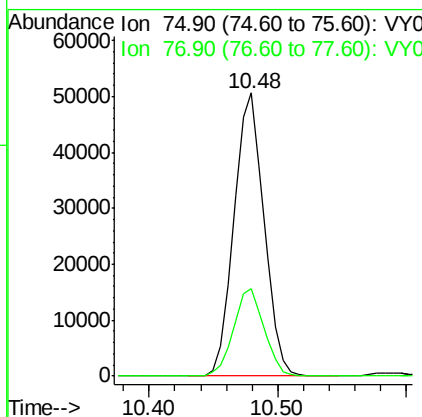
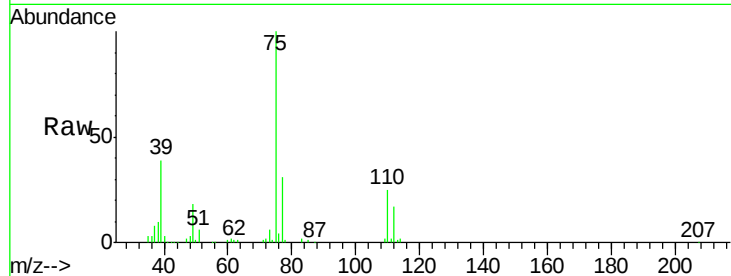
#53
t-1,3-Dichloropropene
Concen: 22.177 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.9	37.3

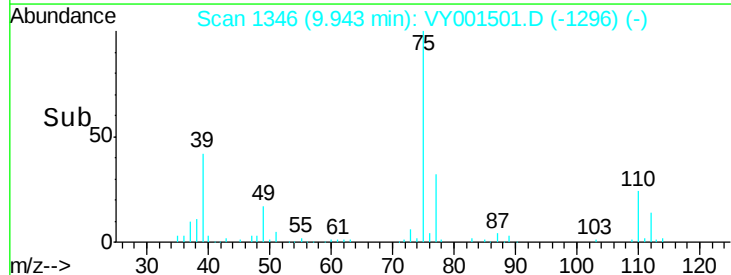
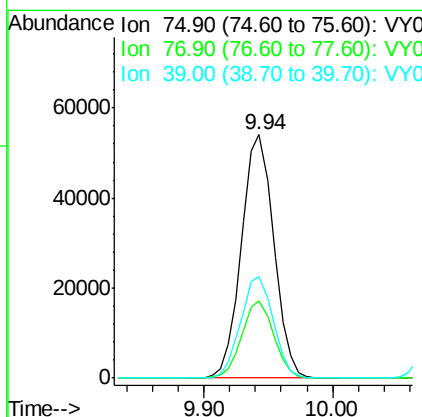
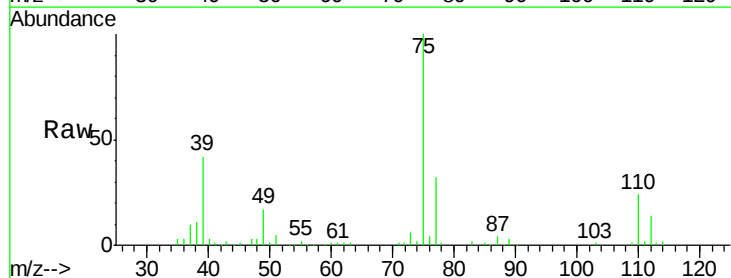
Manual Integrations
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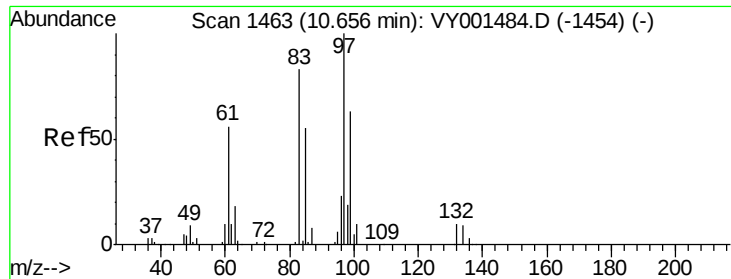
MMDadoda
2/6/2020 12:46:53 PM



#54
cis-1,3-Dichloropropene
Concen: 22.117 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	41.8	34.0	51.0





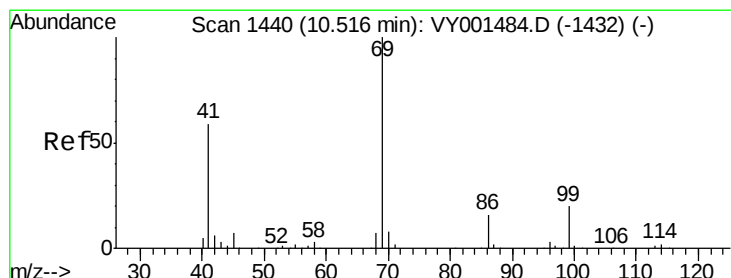
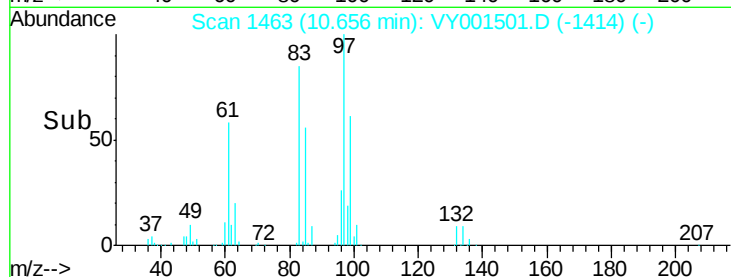
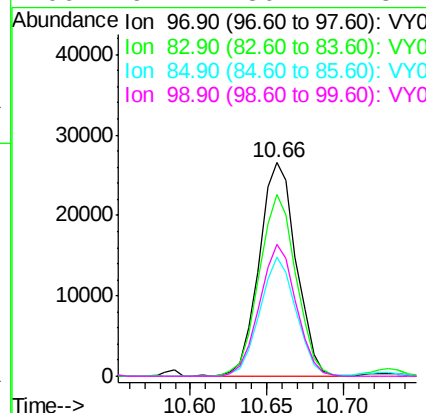
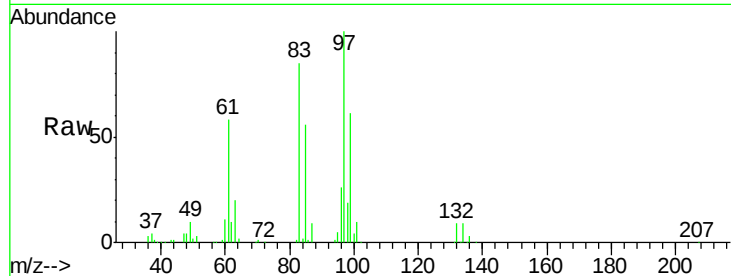
#55
 1,1,2-Trichloroethane
 Concen: 22.467 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		44894		
83	85.3	66.2	99.2		
85	55.7	43.8	65.6		
99	61.4	50.1	75.1		

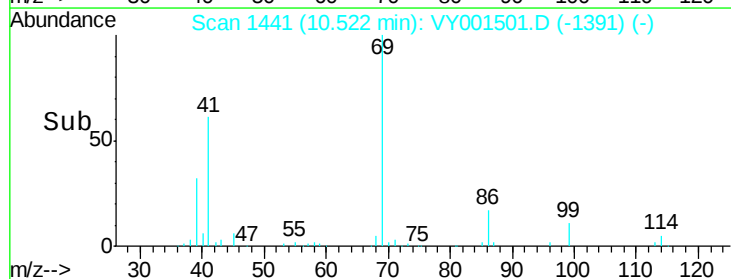
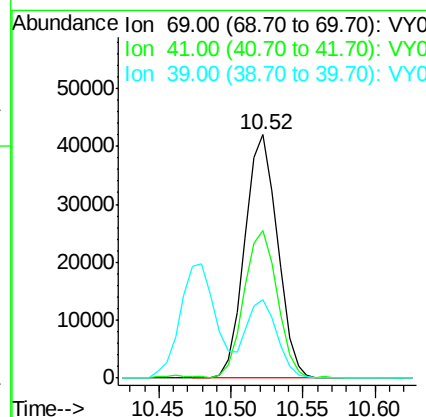
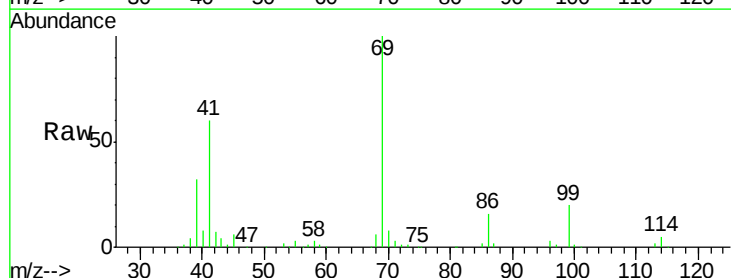
Manual Integrations
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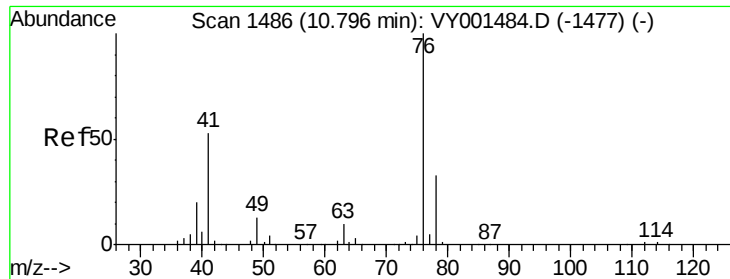
MMDadoda
 2/6/2020 12:46:53 PM



#56
 Ethyl methacrylate
 Concen: 23.246 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		66068		
41	61.6	47.8	71.8		
39	29.5	24.4	36.6		





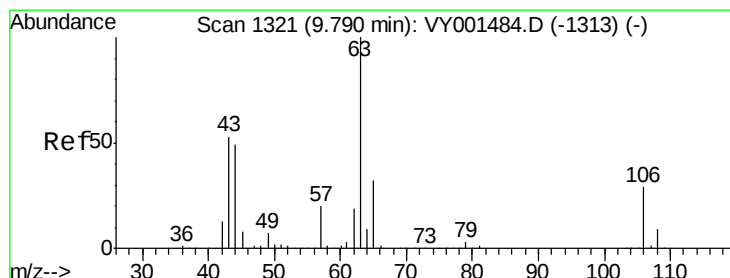
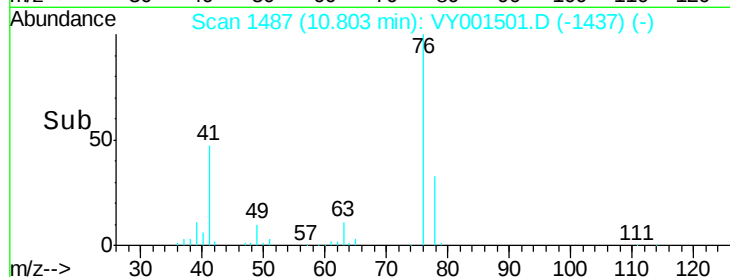
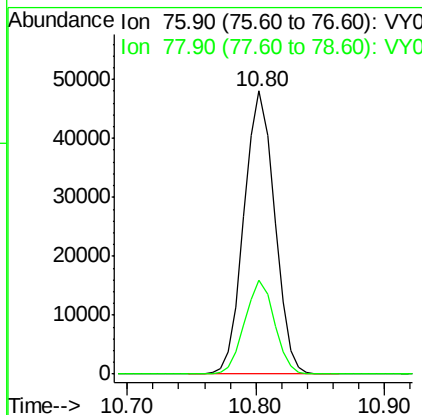
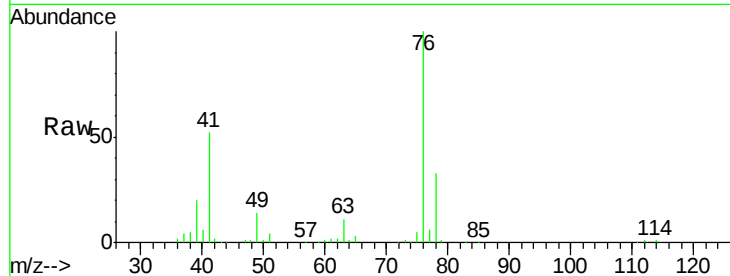
#57
 1,3-Dichloropropane
 Concen: 22.434 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Tot Ion: 76 Resp: 79022
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

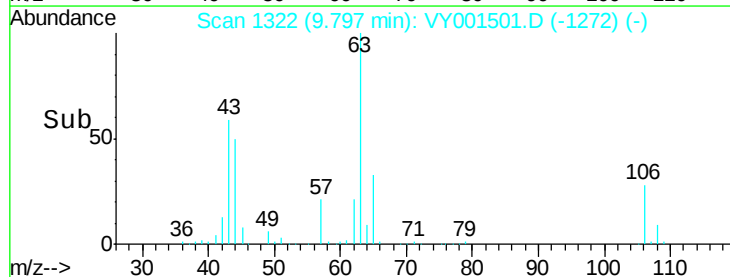
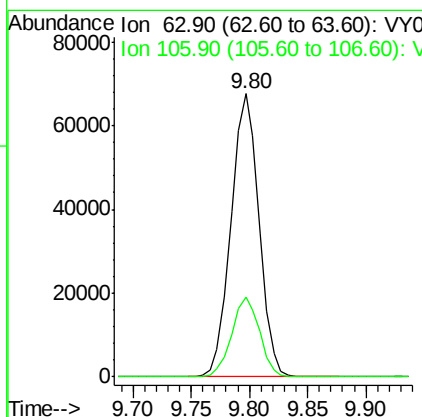
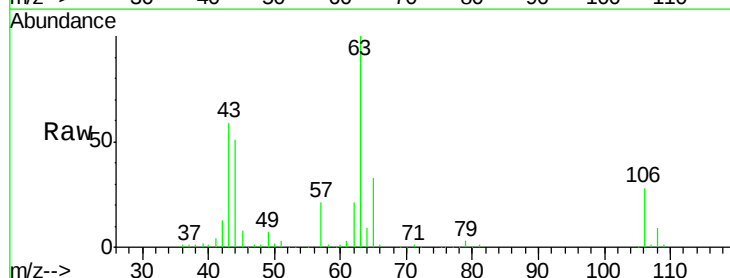
Manual Integrations
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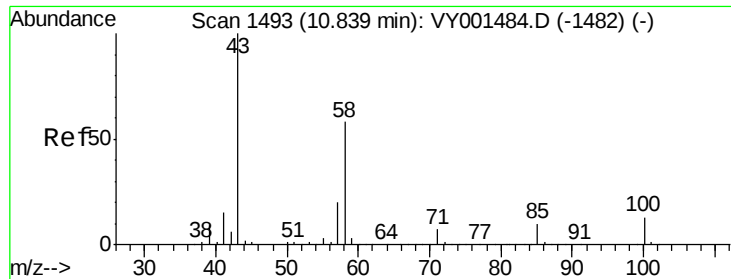
MMDadoda
 2/6/2020 12:46:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.177 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Tgt Ion: 63 Resp: 113106
 Ion Ratio Lower Upper
 63 100
 106 27.9 24.0 36.0





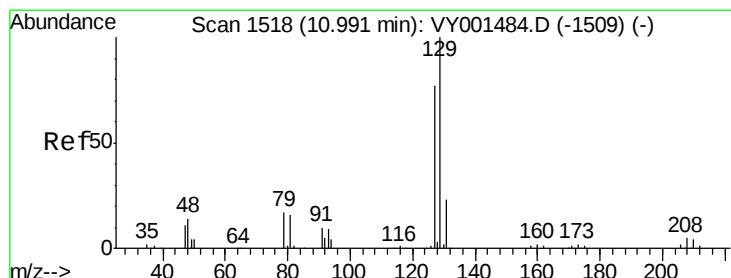
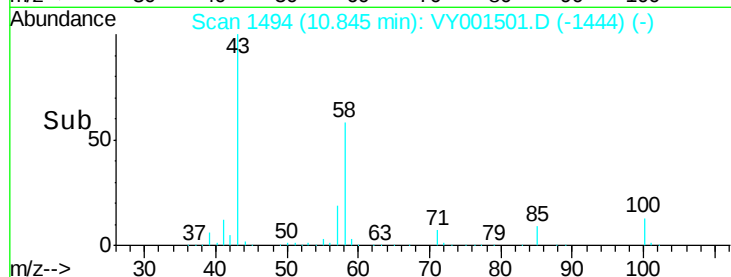
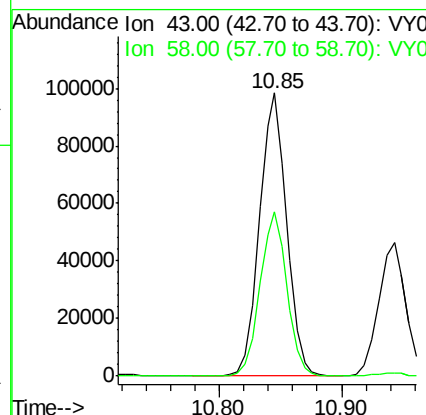
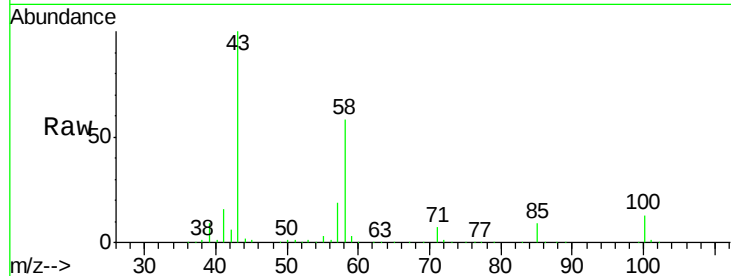
#59
2-Hexanone
Concen: 122.938 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion: 43 Resp: 151940
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

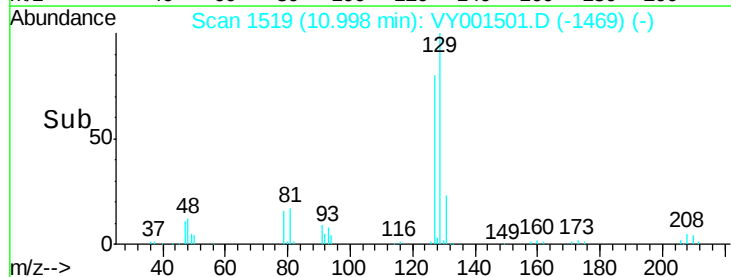
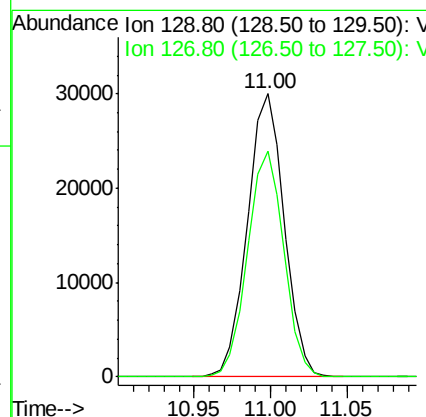
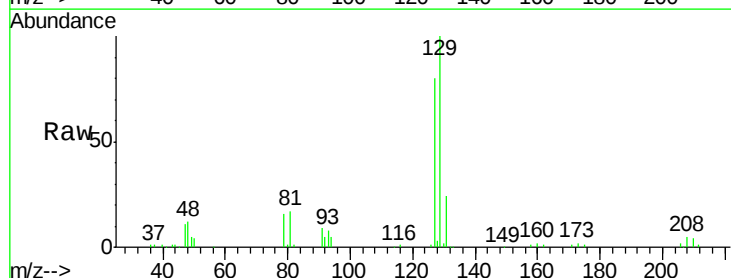
Manual Integrations
APPROVED

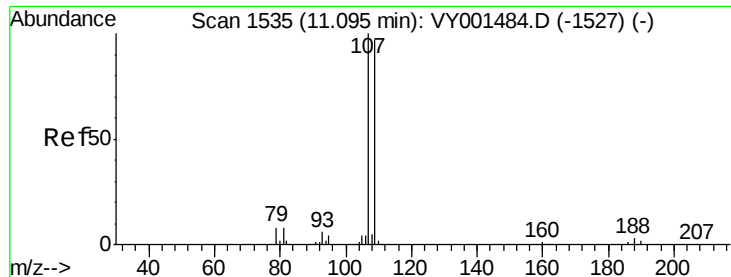
MMDadoda
2/6/2020 12:46:53 PM



#60
Dibromochloromethane
Concen: 21.265 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion: 129 Resp: 50089
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.491 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 107 Resp: 44266

Ion Ratio Lower Upper

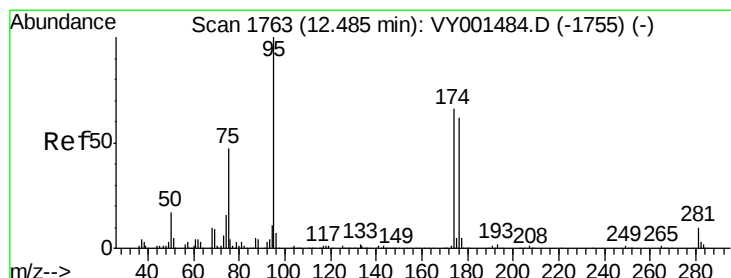
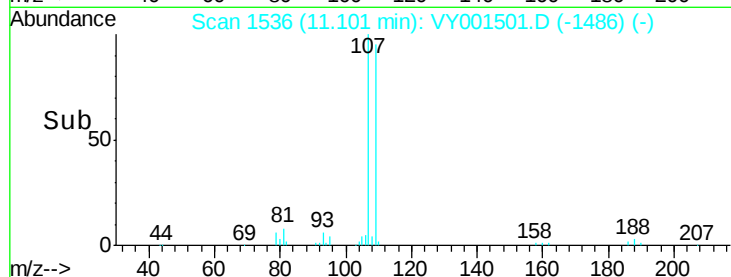
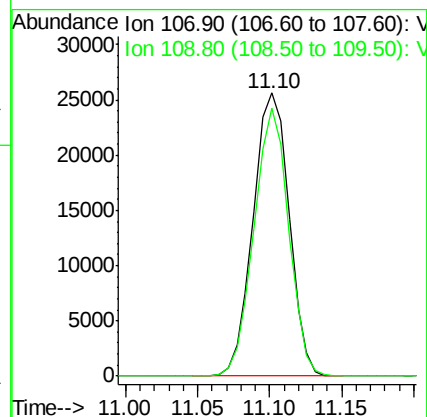
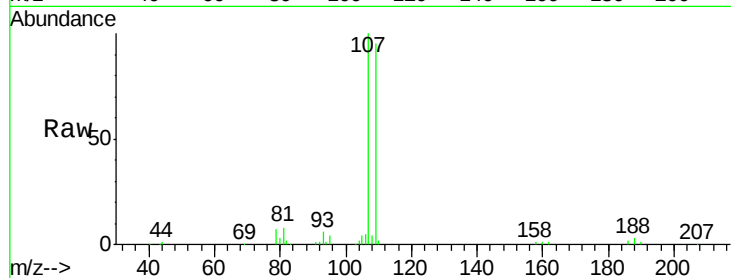
107 100

109 91.1 76.2 114.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.624 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

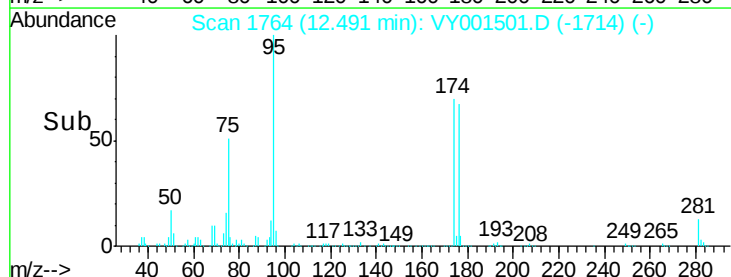
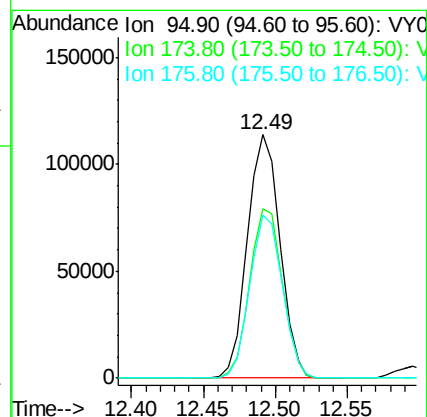
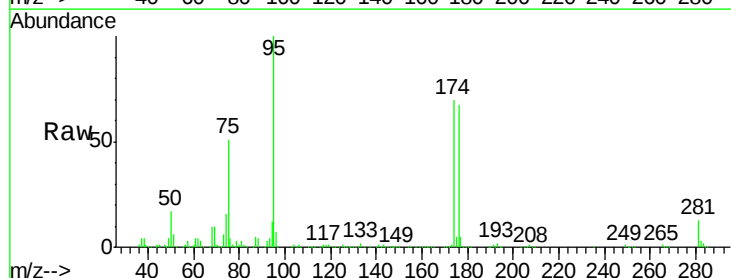
Tgt Ion: 95 Resp: 178041

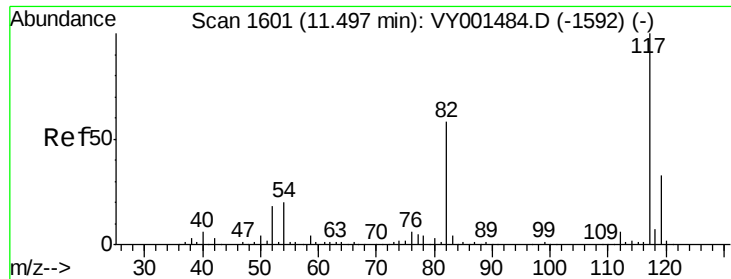
Ion Ratio Lower Upper

95 100

174 69.8 0.0 141.4

176 67.1 0.0 135.4





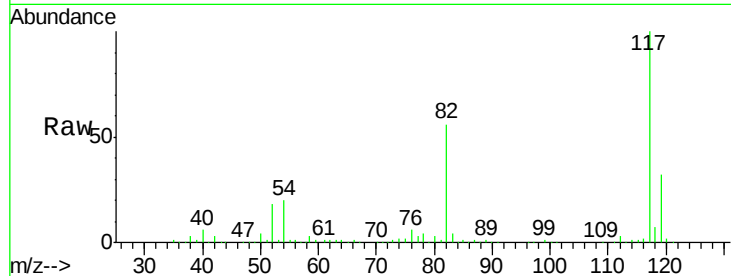
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352572		
82	55.6	46.1	69.1	
119	31.5	26.1	39.1	

Manual Integrations
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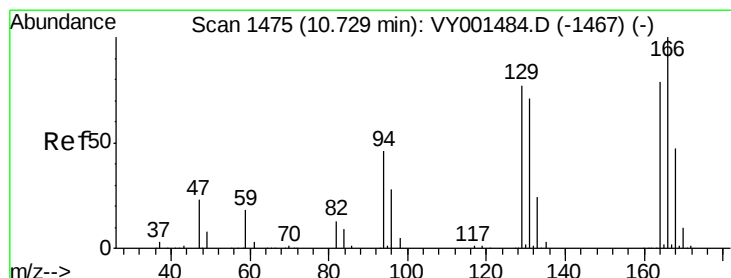
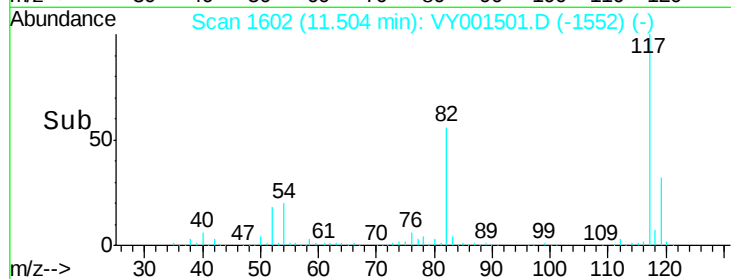
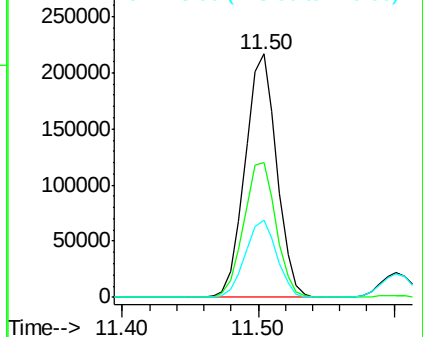


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.144 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46576		
166	124.9	100.8	151.2	
129	97.0	77.8	116.6	
131	92.8	72.0	108.0	

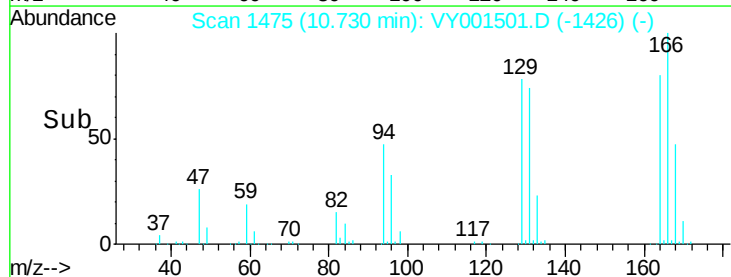
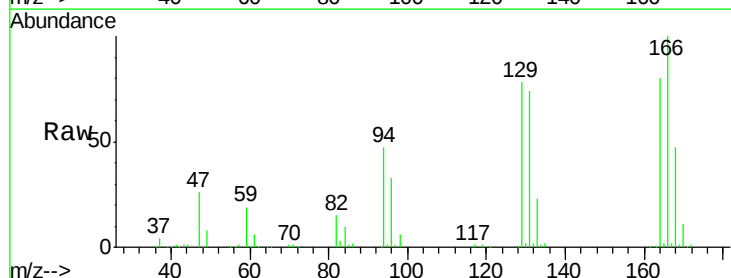
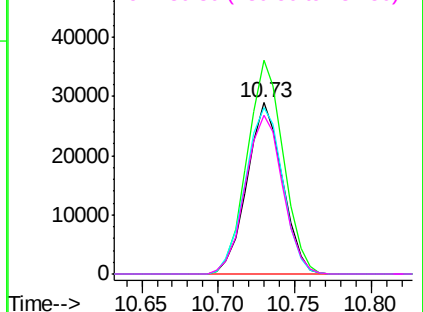
Abundance

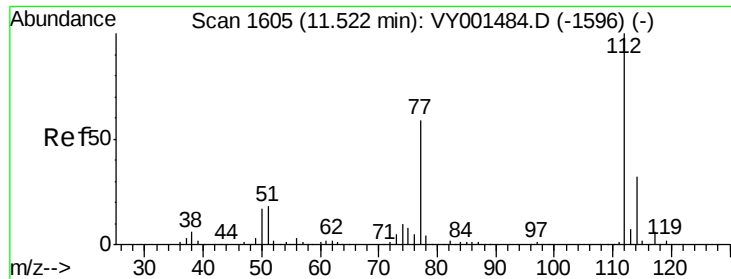
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.066 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampled :

VY0205SBS01

Tot Ion:112 Resp: 145833

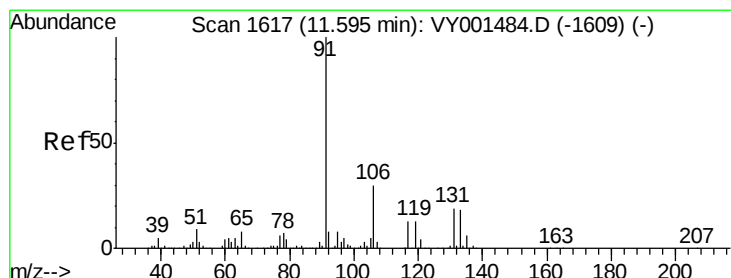
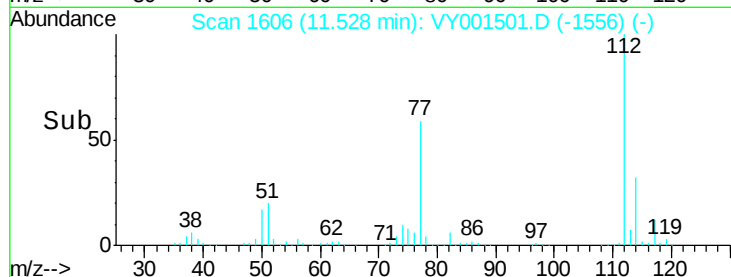
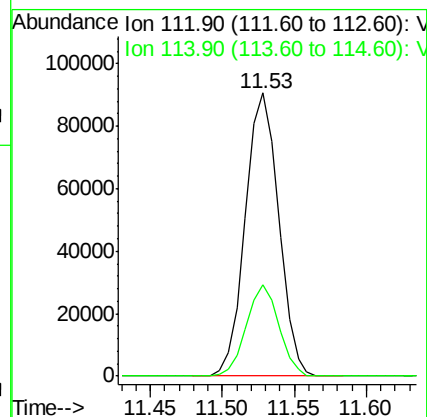
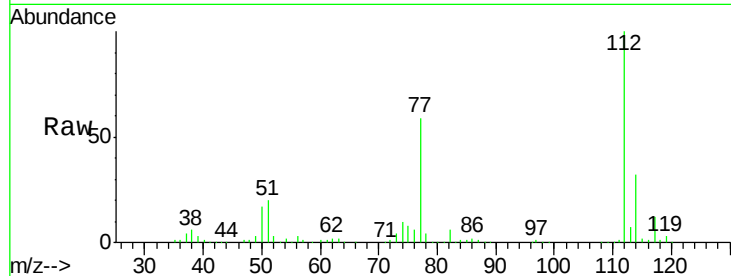
Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.201 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

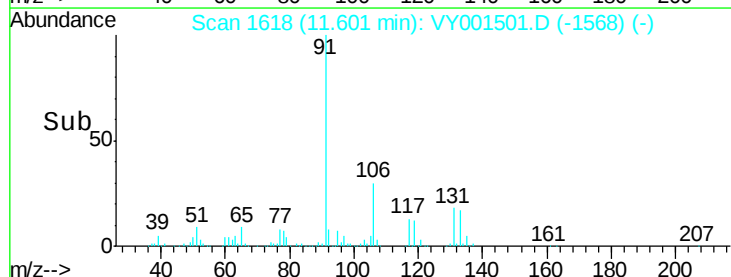
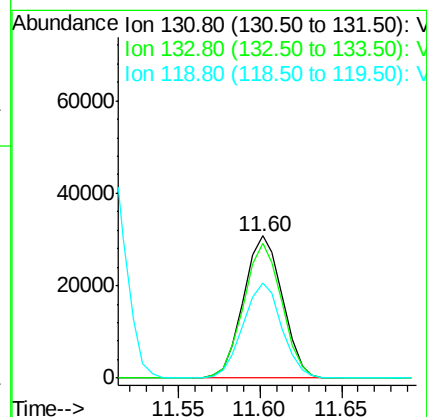
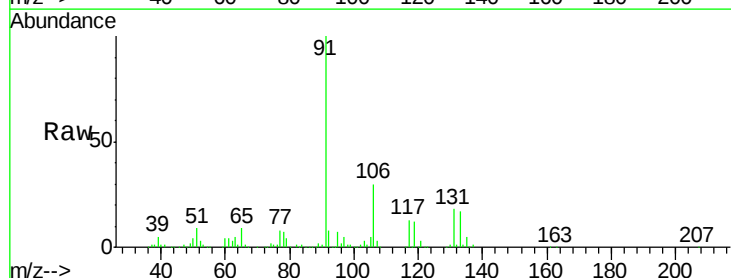
Tgt Ion:131 Resp: 51367

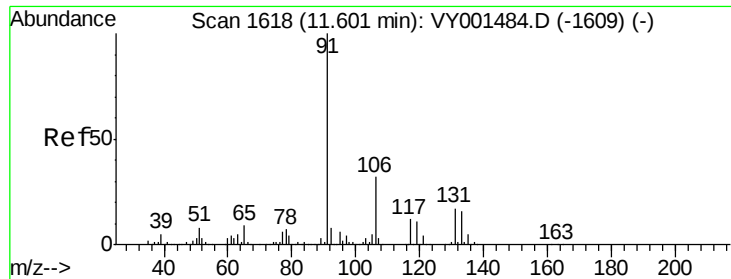
Ion Ratio Lower Upper

131 100

133 92.9 47.9 143.8

119 66.0 33.7 101.0





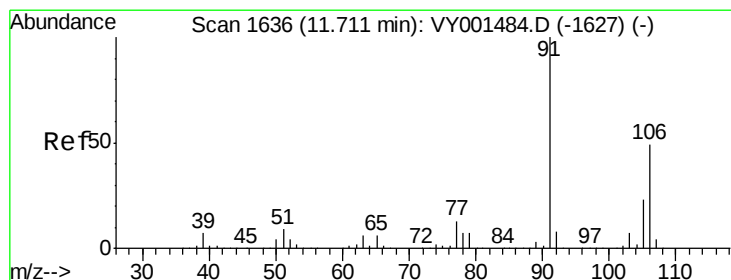
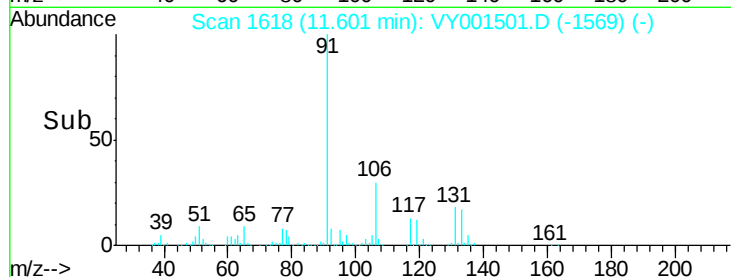
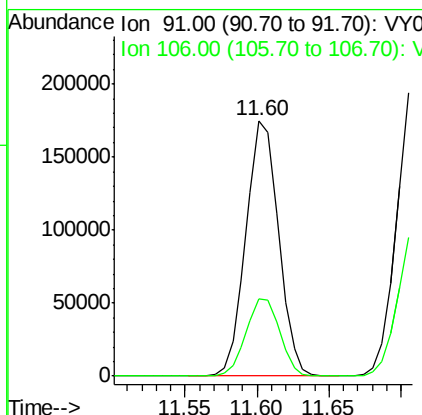
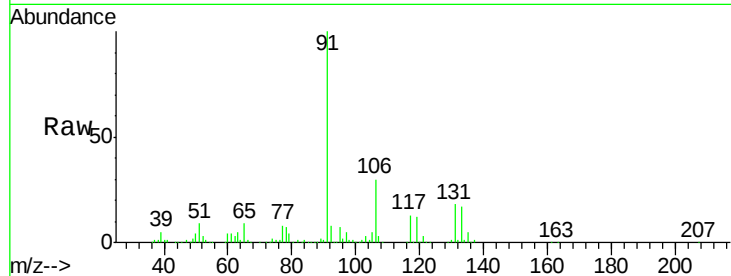
#67
Ethyl Benzene
Concen: 21.428 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	91	Resp	274281
Ion Ratio	Lower	Upper	
91	100		
106	30.3	25.3	37.9

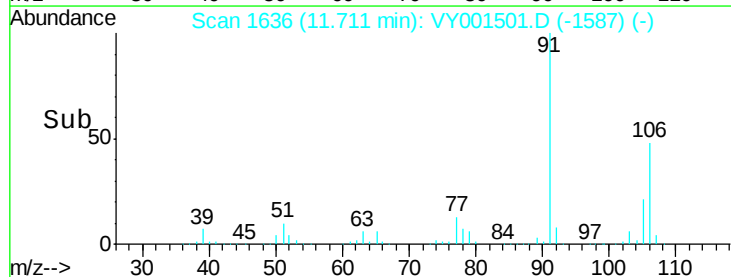
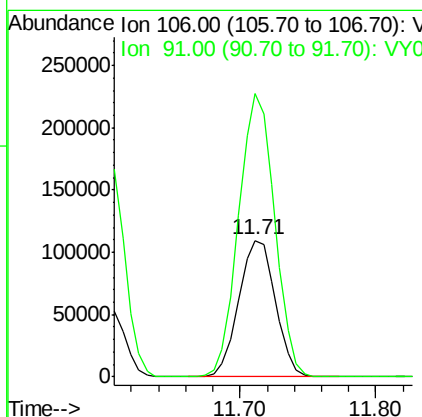
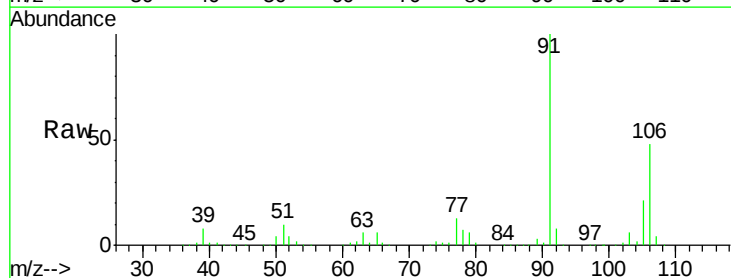
Manual Integrations
APPROVED

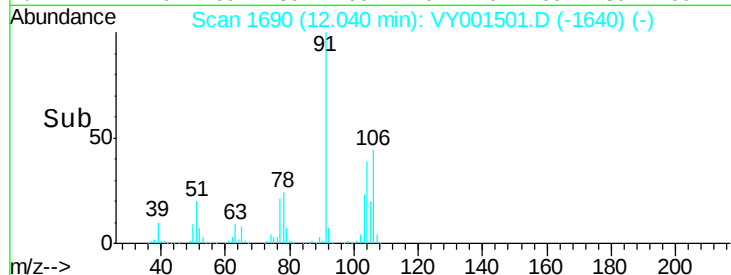
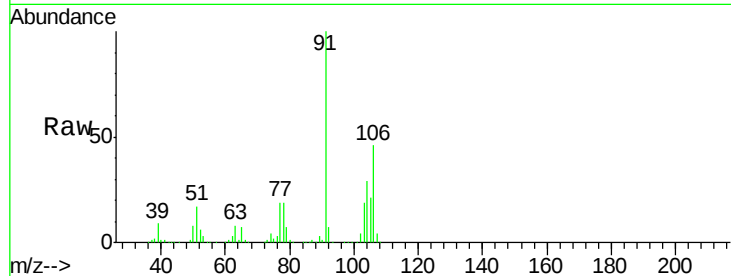
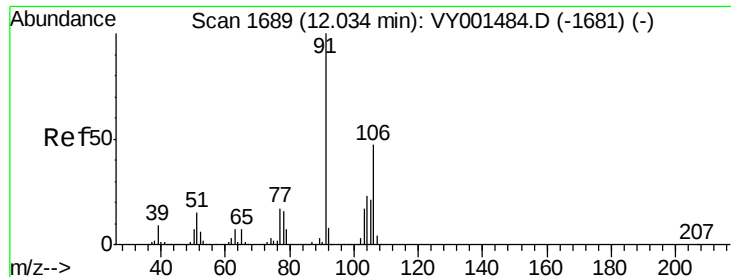
MMDadoda
2/6/2020 12:46:53 PM



#68
m/p-Xylenes
Concen: 42.729 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	106	Resp	205318
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	204.7	163.6	245.4





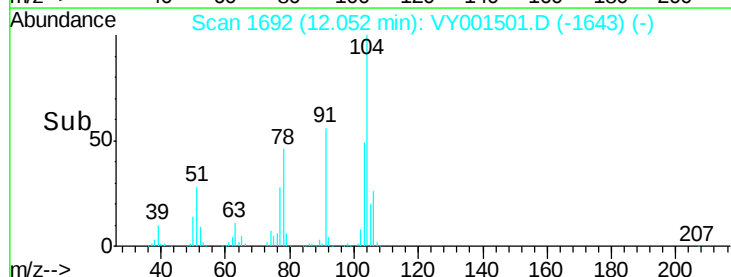
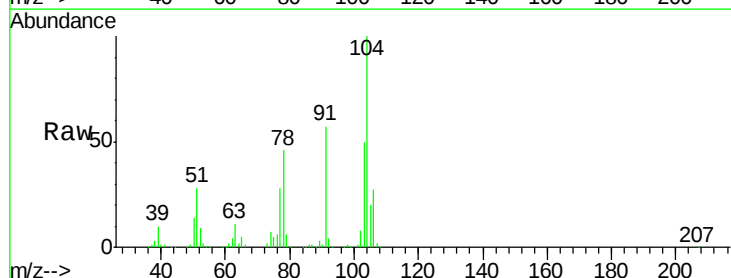
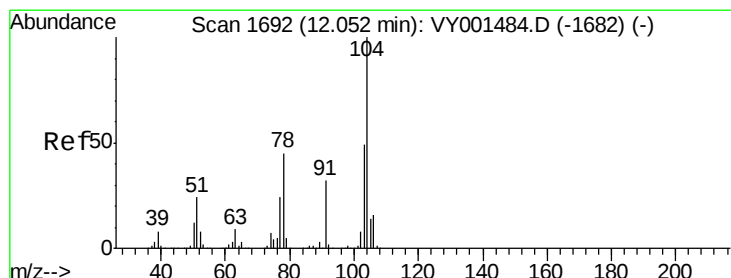
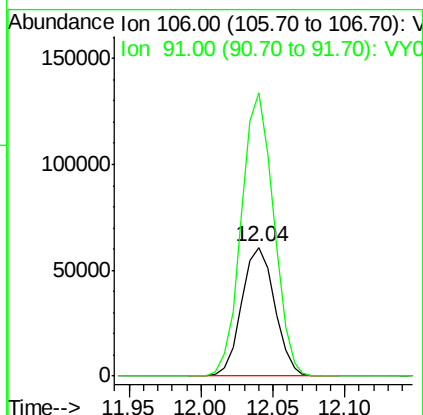
#69
o-Xylene
Concen: 21.288 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tot Ion:106 Resp: 96446
Ion Ratio Lower Upper
106 100
91 215.7 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

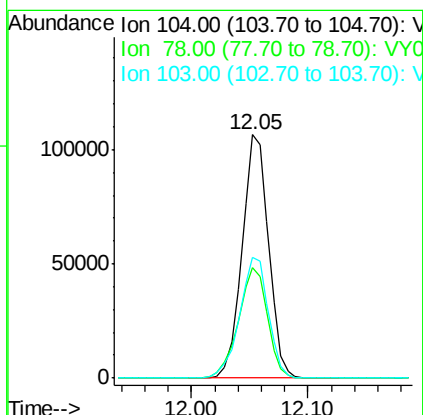
Manual Integrations
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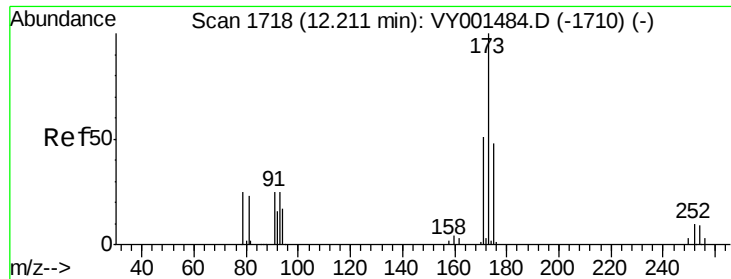
MMDadoda
2/6/2020 12:46:53 PM



#70
Styrene
Concen: 21.554 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion:104 Resp: 168872
Ion Ratio Lower Upper
104 100
78 49.6 40.4 60.6
103 53.7 42.8 64.2





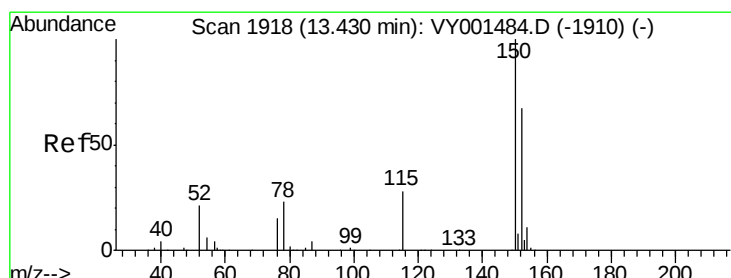
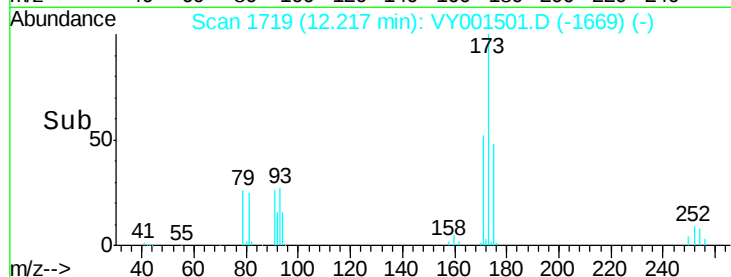
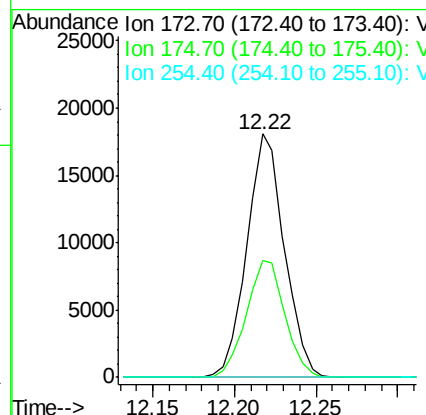
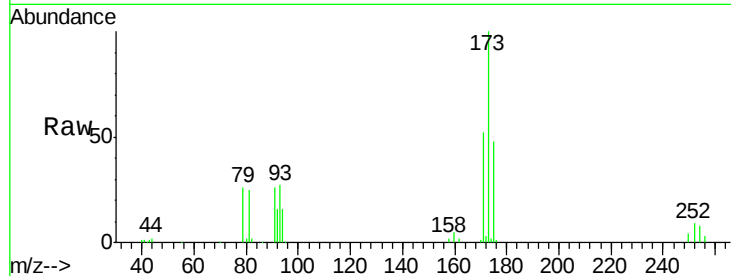
#71
Bromoform
Concen: 21.434 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	0.0	0.1	0.1

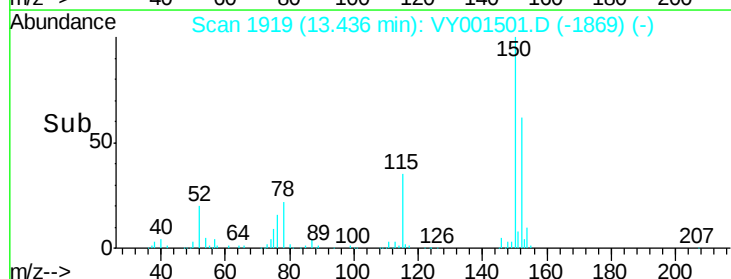
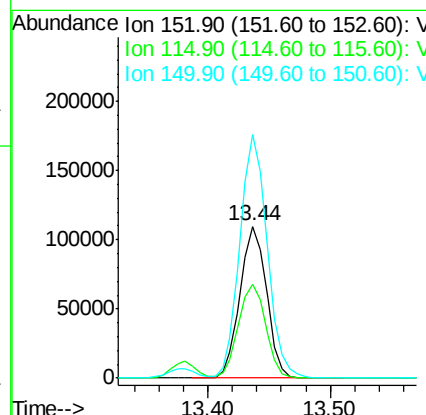
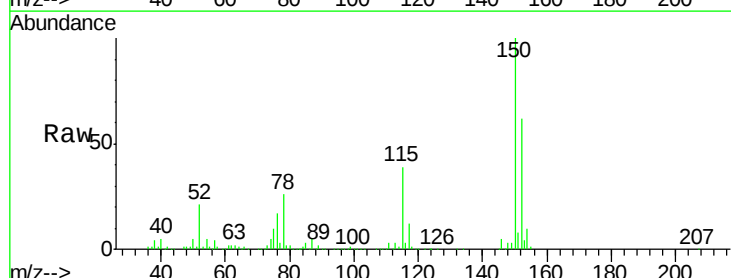
Manual Integrations
APPROVED

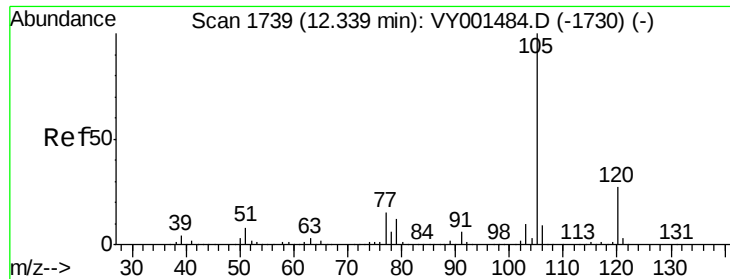
MMDadoda
2/6/2020 12:46:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.4	94.3
150	165.4	0.0	346.8





#73

Isopropylbenzene

Concen: 20.886 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion:105 Resp: 261634

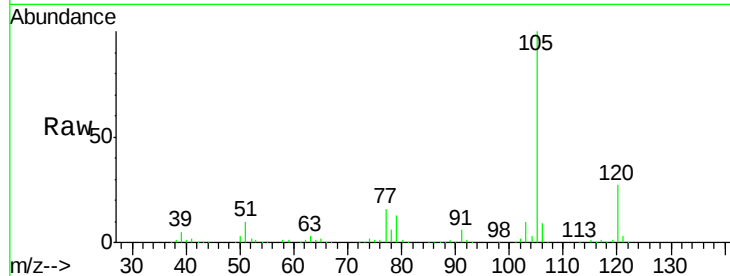
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
2/6/2020 12:46:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

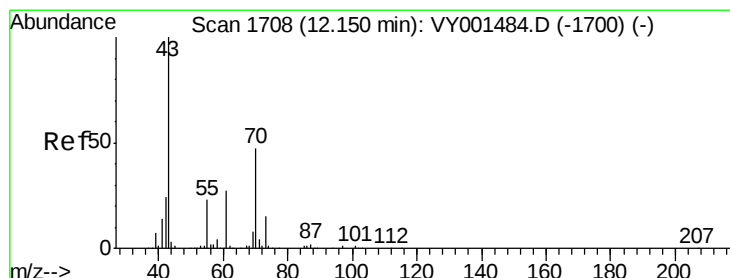
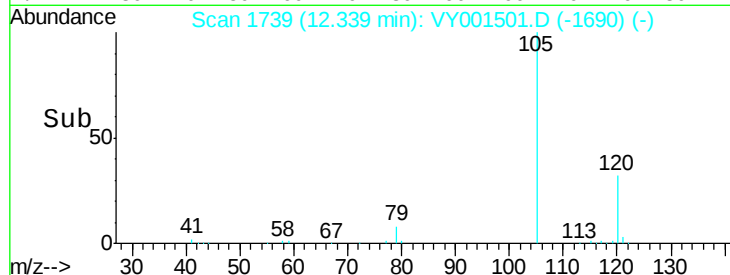
100000

50000

0

12.25 12.30 12.35 12.40

Time-->



#74

N-ethyl acetate

Concen: 23.234 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion: 43 Resp: 75630

Ion Ratio Lower Upper

43 100

70 45.8 37.2 55.8

55 24.4 18.8 28.2

61 26.9 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

80000

60000

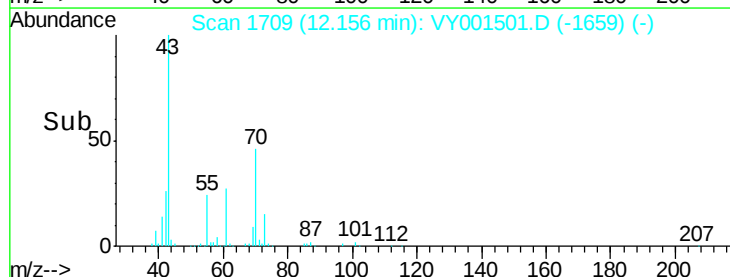
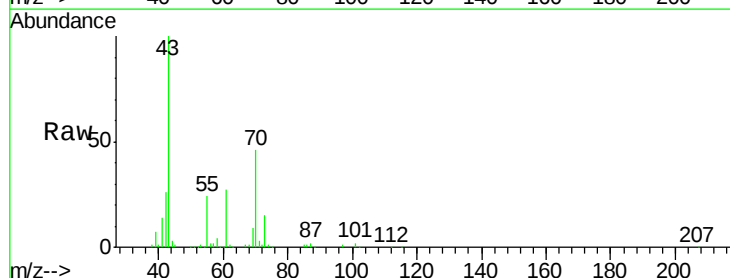
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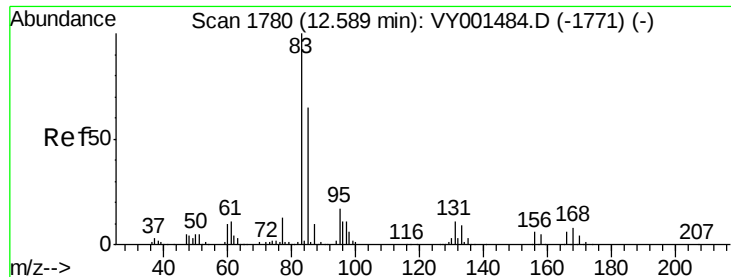
20000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.135 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

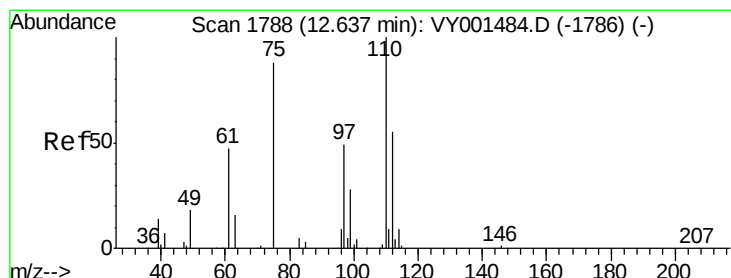
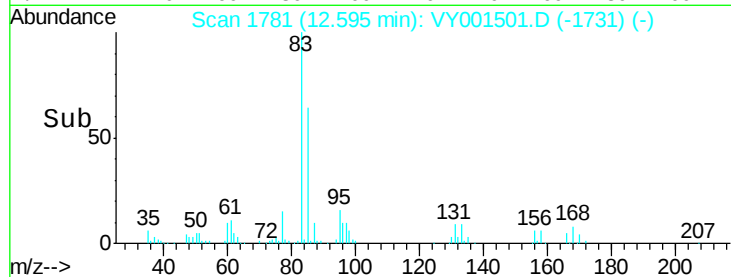
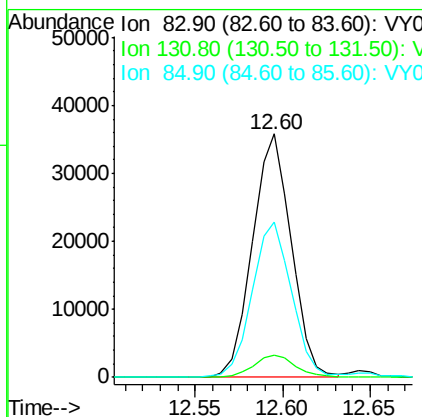
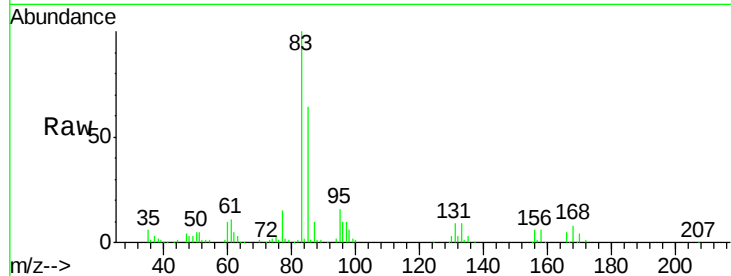
ClientSampleId :

VY0205SBS01

Tot Ion:	83	Resp:	55061
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	64.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.086 ug/l m

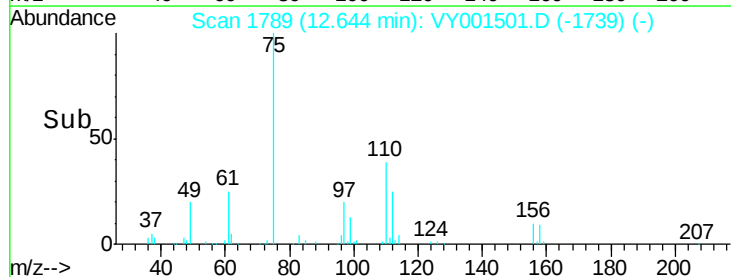
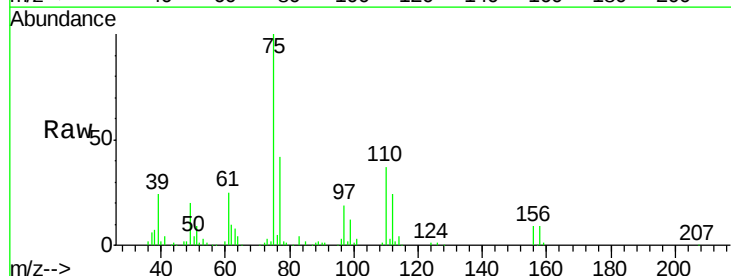
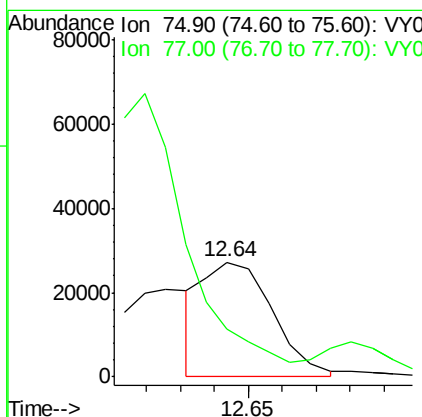
RT: 12.64 min Scan# 1789

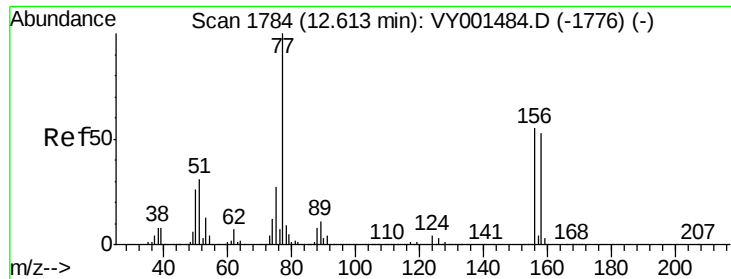
Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion:	75	Resp:	39010
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.844 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

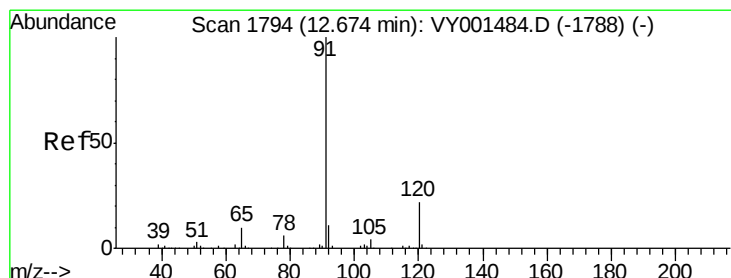
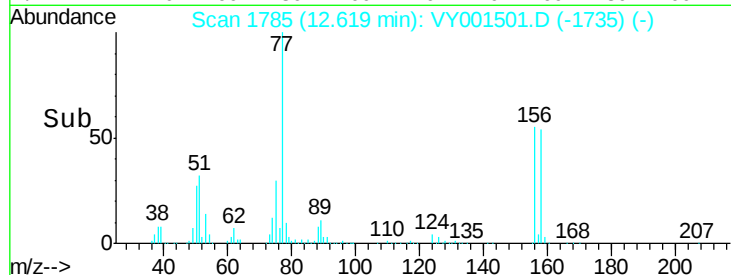
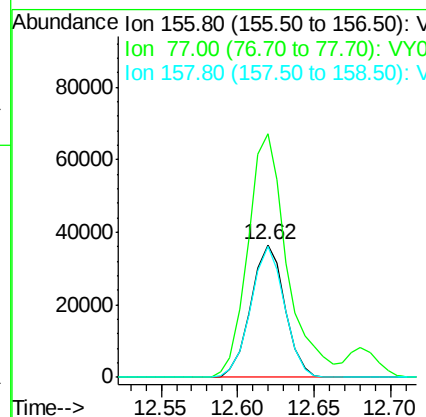
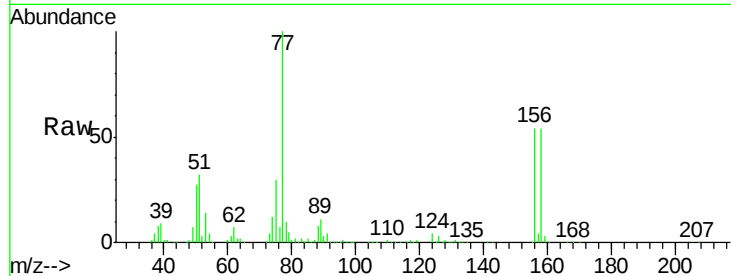
ClientSampleId :

VY0205SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.7	99.8	299.3
158	98.0	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.336 ug/l

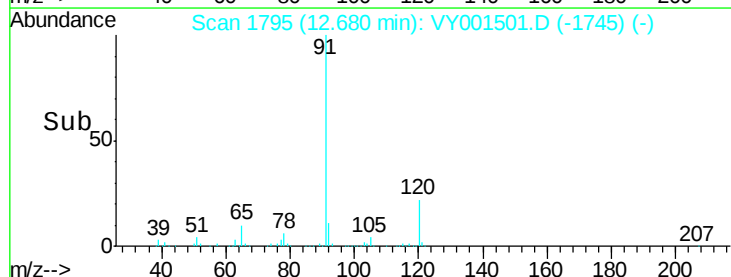
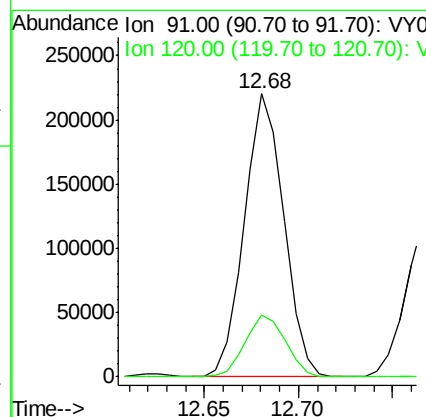
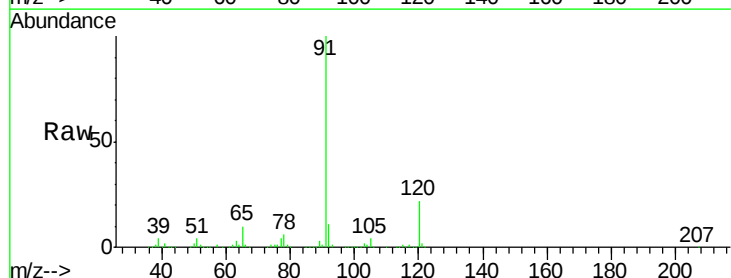
RT: 12.68 min Scan# 1795

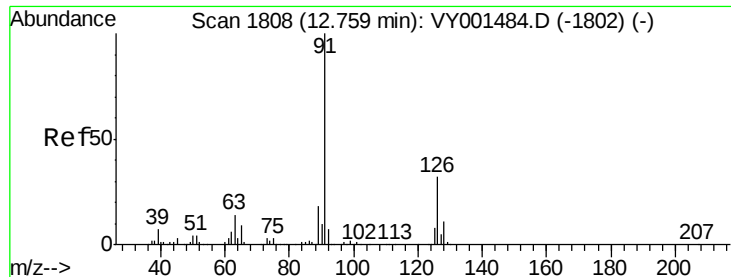
Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 21.141 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion: 91 Resp: 180720

Ion Ratio Lower Upper

91 100

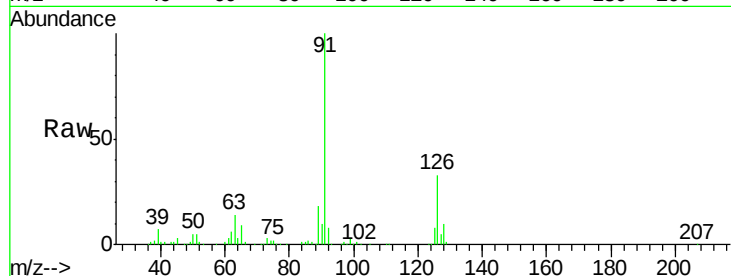
126 32.6 16.4 49.2

Manual Integrations

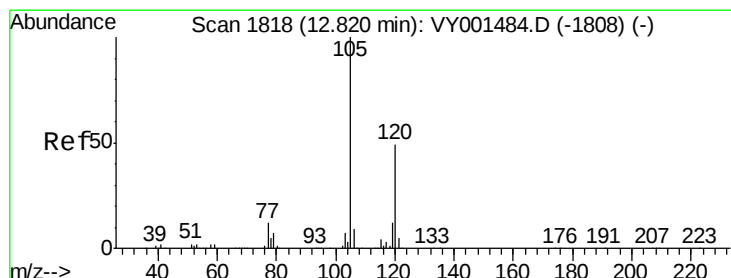
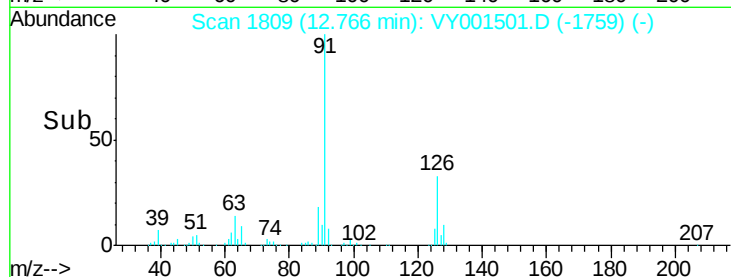
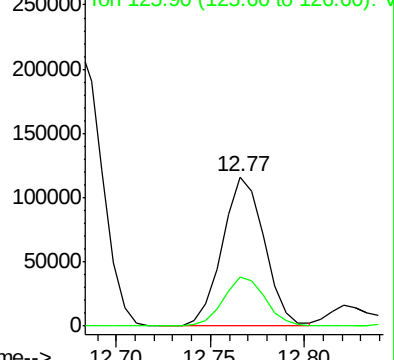
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Abundance Ion 91.00 (90.70 to 91.70): VY001501.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.160 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001501.D

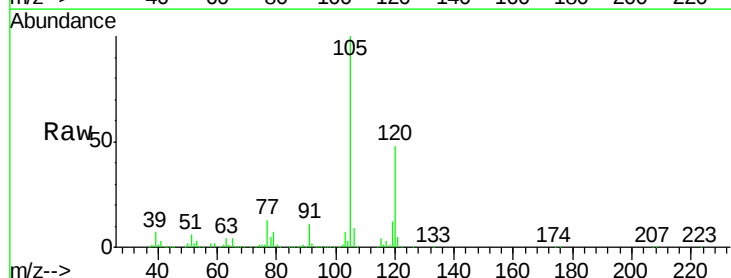
Acq: 05 Feb 2020 12:46

Tgt Ion: 105 Resp: 223232

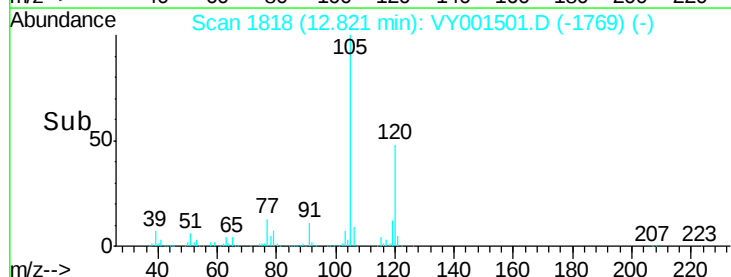
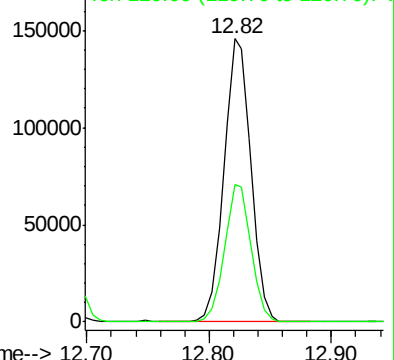
Ion Ratio Lower Upper

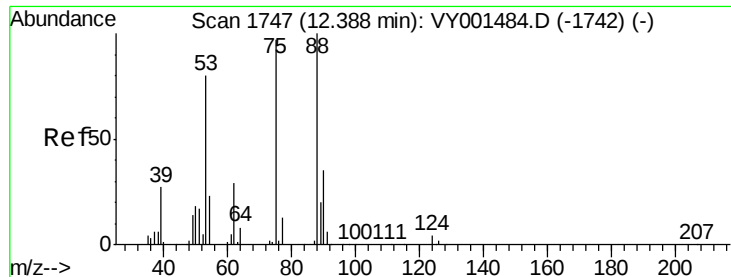
105 100

120 47.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001501.D (-1769) (-)





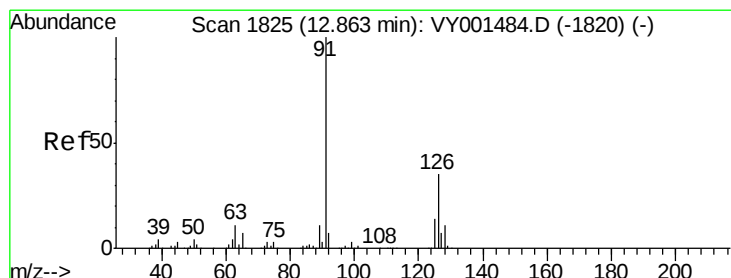
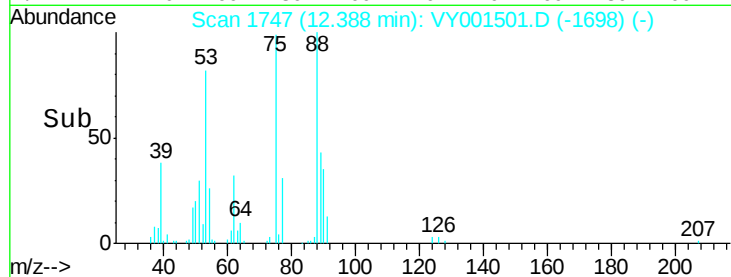
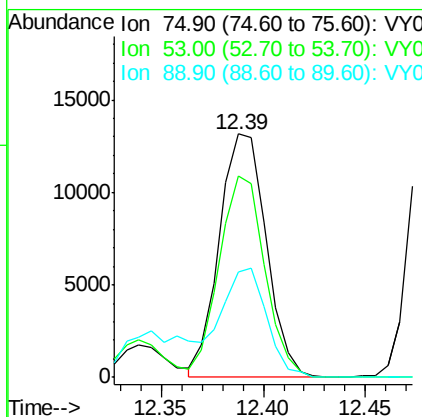
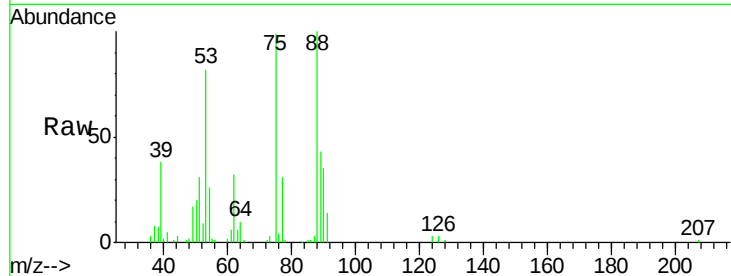
#81
trans-1,4-Dichloro-2-butene
Concen: 22.977 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.3	67.7	101.5
89	42.8	34.6	52.0

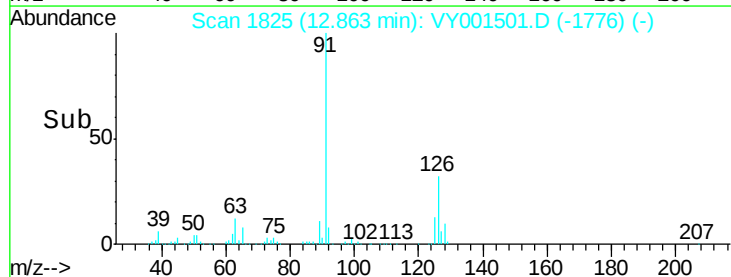
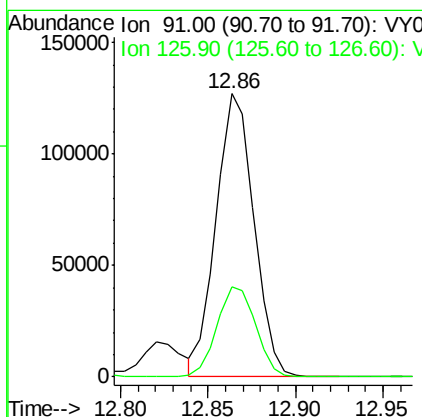
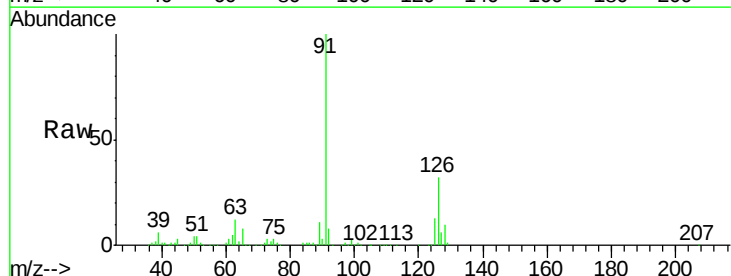
Manual Integrations
APPROVED

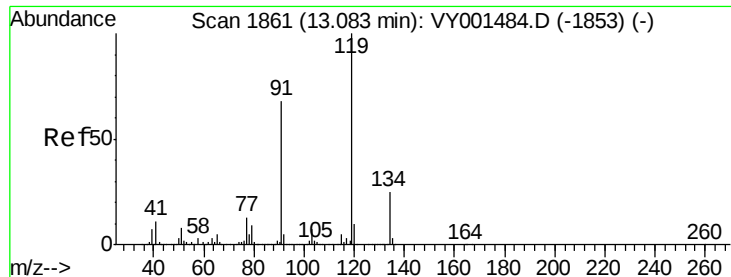
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.357 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.5	49.5





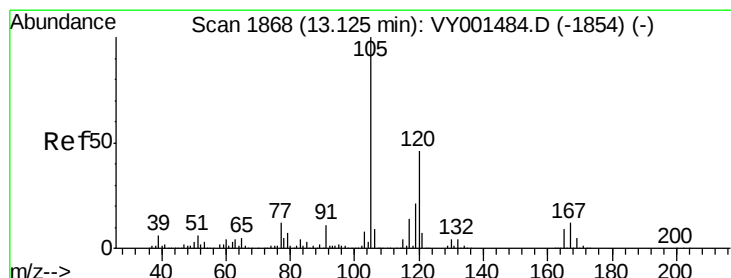
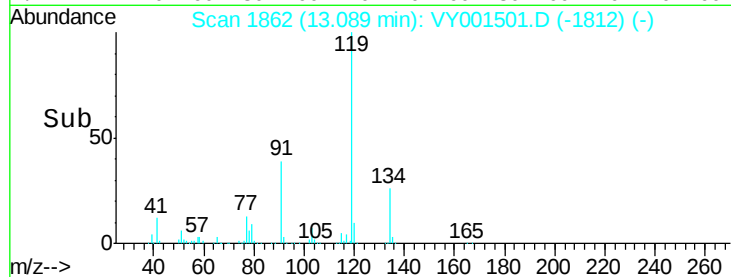
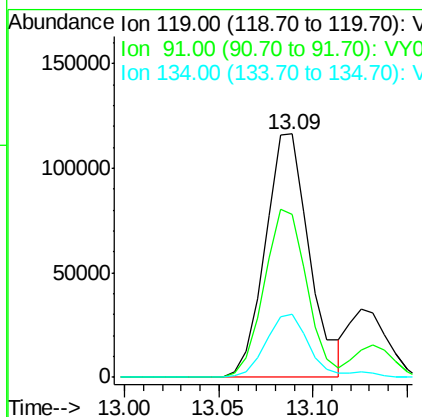
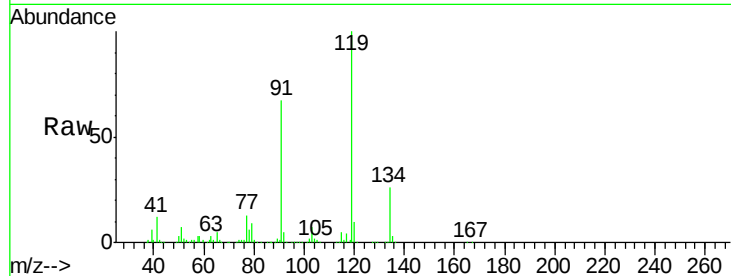
#83
tert-Butylbenzene
Concen: 21.265 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	189622		
91	66.7	33.1	99.3	
134	26.1	13.0	39.0	

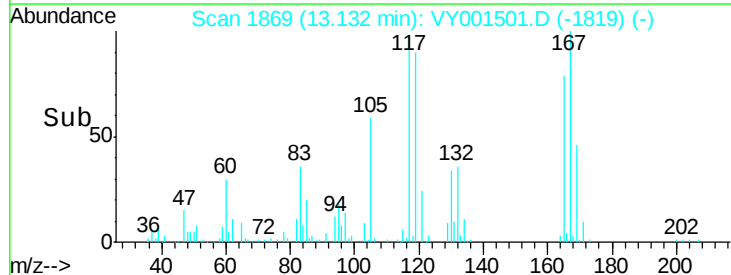
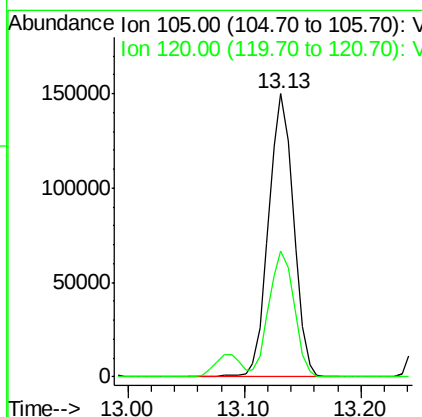
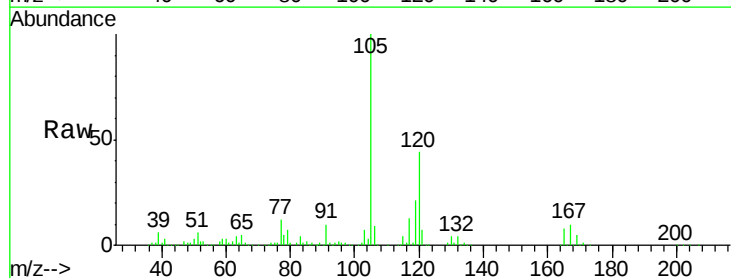
Manual Integrations
APPROVED

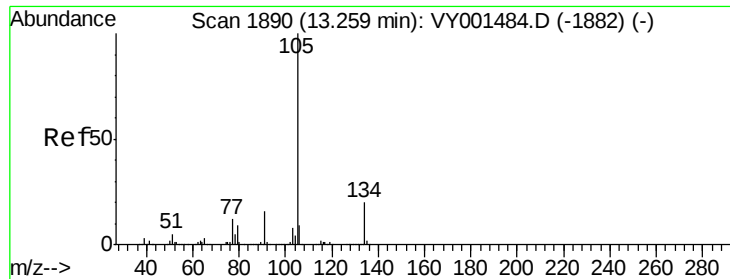
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.300 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222396		
120	45.1	22.4	67.0	





#85

sec-Butylbenzene

Concen: 21.703 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tot Ion:105 Resp: 272102

Ion Ratio Lower Upper

105 100

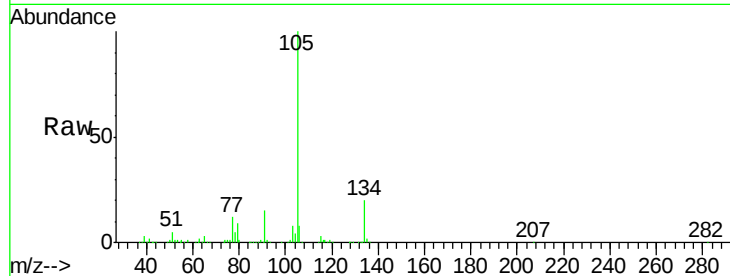
134 19.6 10.0 29.8

Manual Integrations

APPROVED

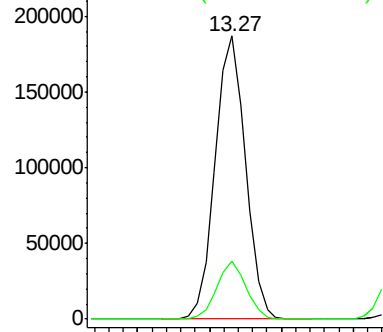
MMDadoda

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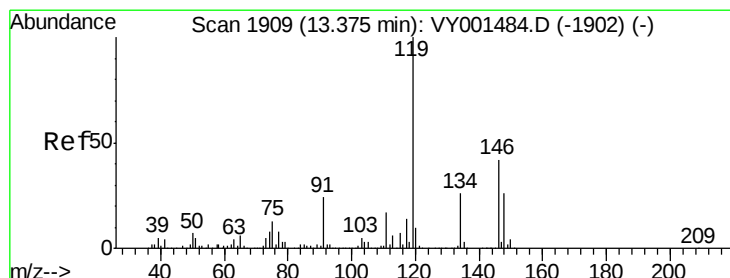
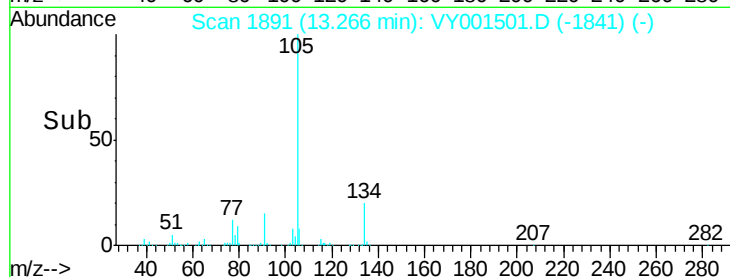


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.589 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001501.D

Acq: 05 Feb 2020 12:46

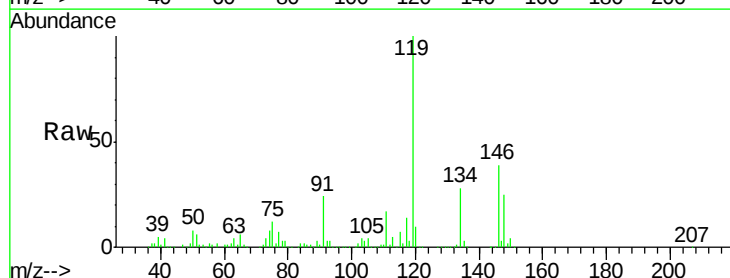
Tgt Ion:119 Resp: 238523

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

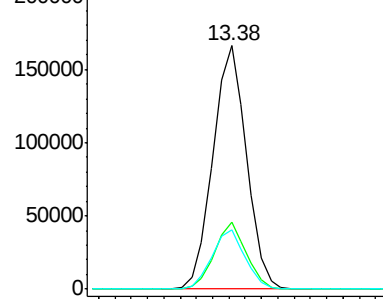
91 24.2 12.2 36.6



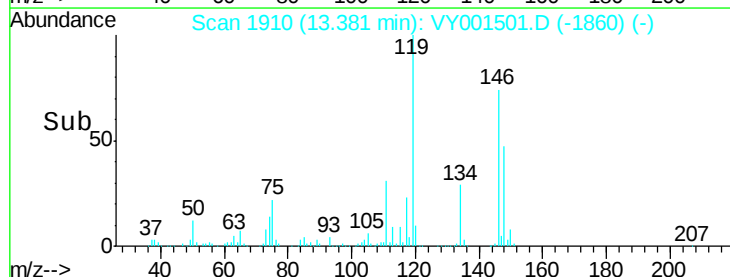
Abundance Ion 119.00 (118.70 to 119.70): V

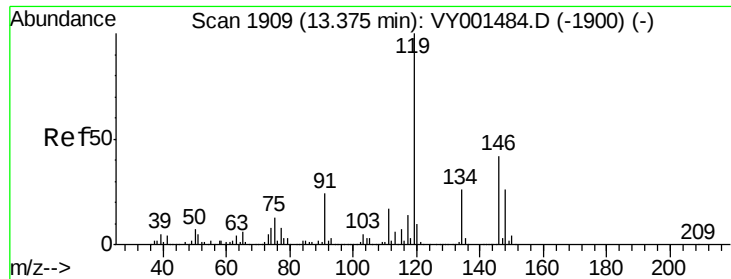
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->





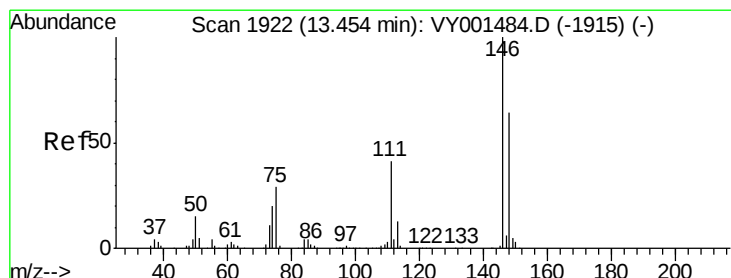
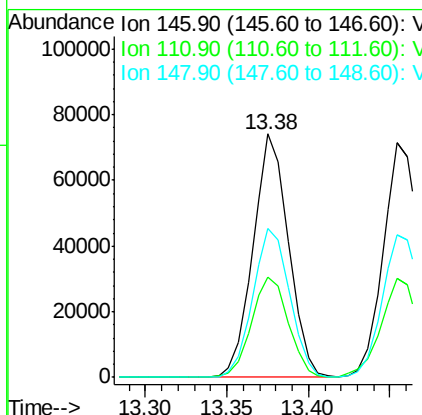
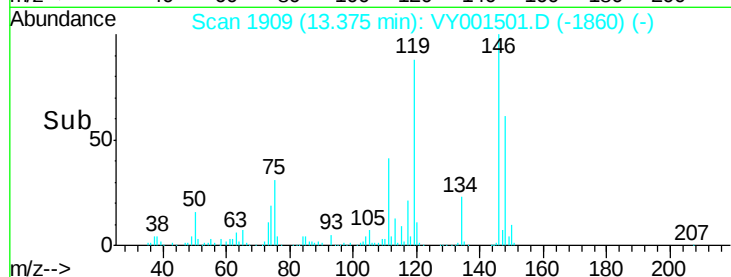
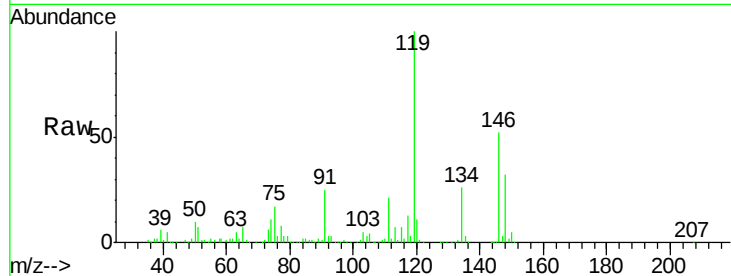
#87
 1,3-Dichlorobenzene
 Concen: 21.531 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampled :
 VY0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.8	21.3	63.9	
148	63.7	31.9	95.7	

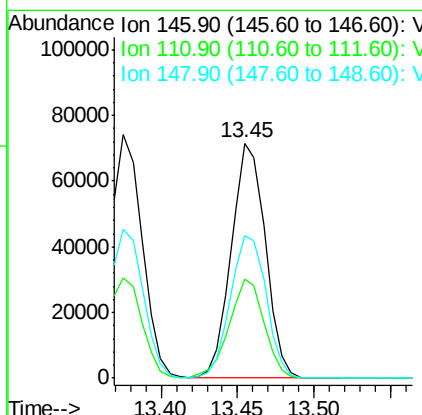
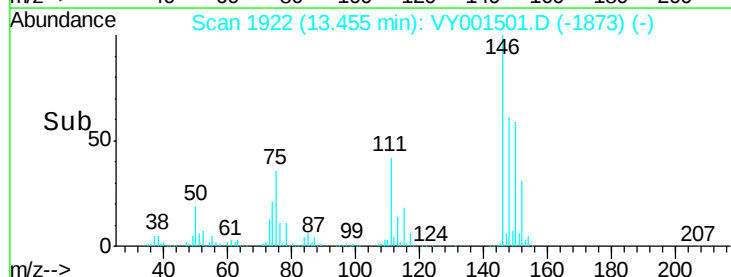
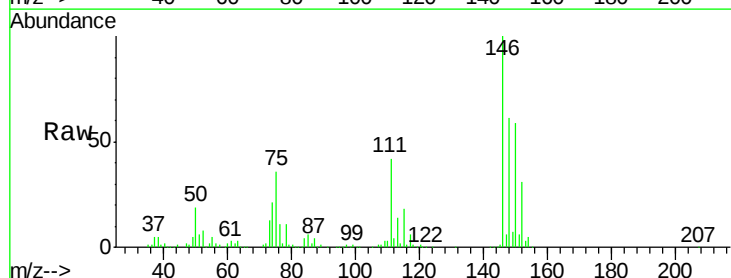
Manual Integrations
 APPROVED

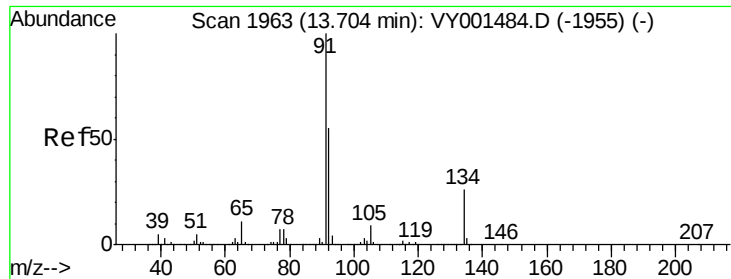
MMDadoda
 2/6/2020 12:46:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.221 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.5	20.7	62.1	
148	63.9	32.1	96.5	





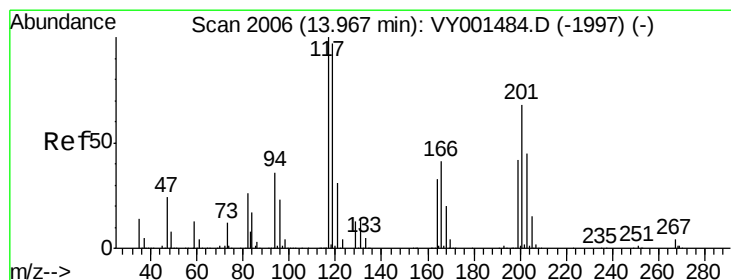
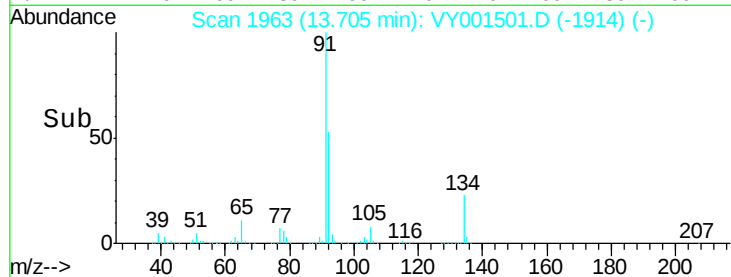
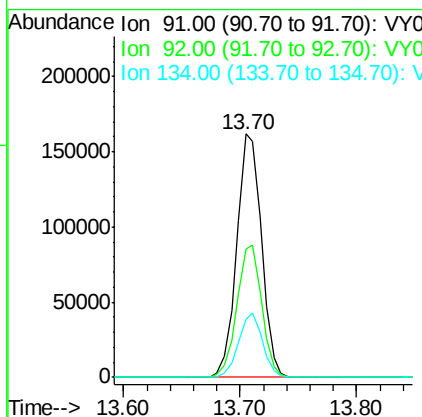
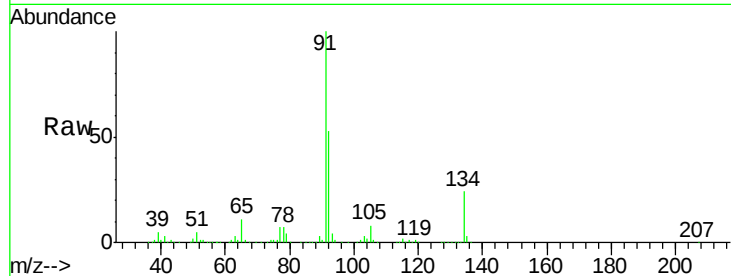
#89
n-Butylbenzene
Concen: 21.967 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.6	13.0	38.9

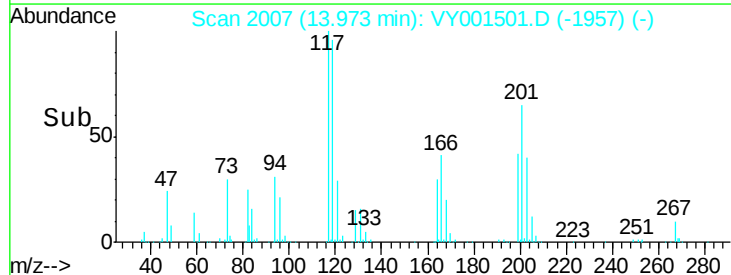
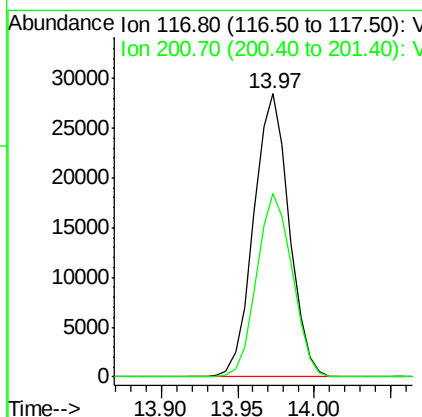
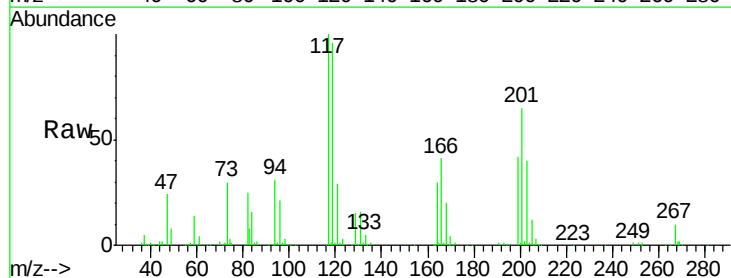
Manual Integrations
APPROVED

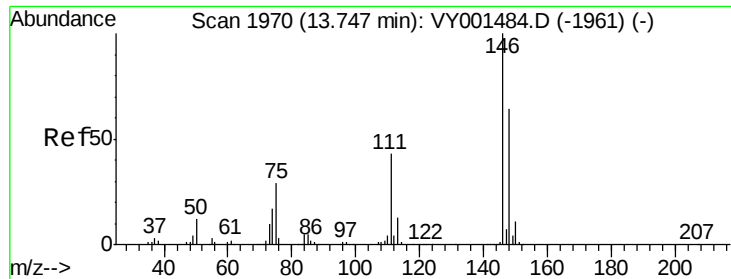
MMDadoda
2/6/2020 12:46:53 PM



#90
Hexachloroethane
Concen: 21.656 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.1	102.3





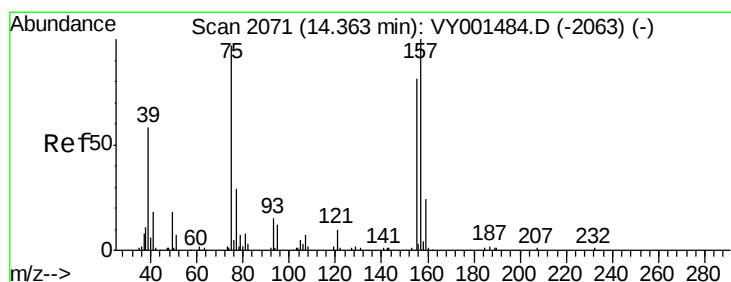
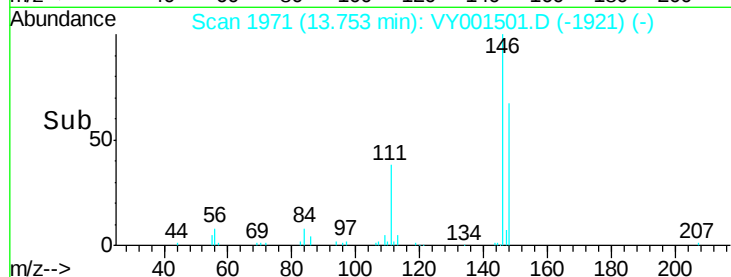
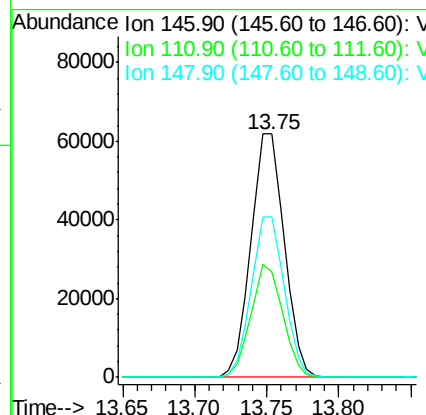
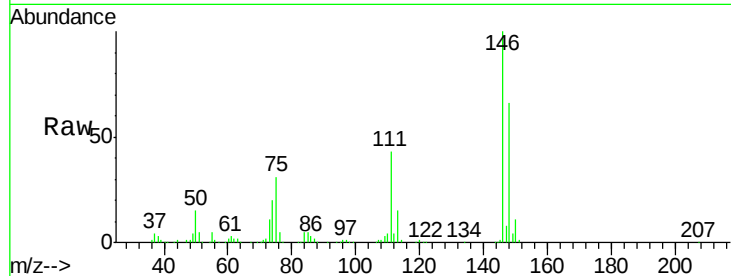
#91
 1,2-Dichlorobenzene
 Concen: 21.005 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.8
148	65.2	31.8	95.3

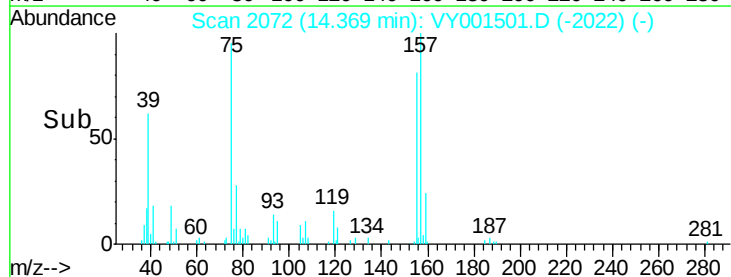
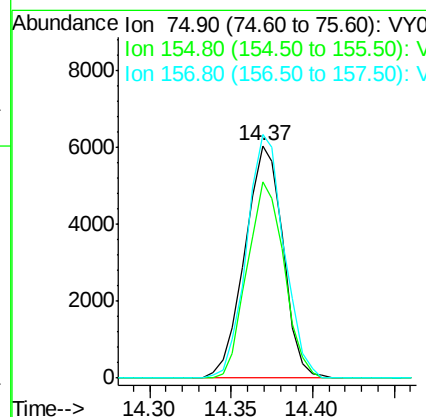
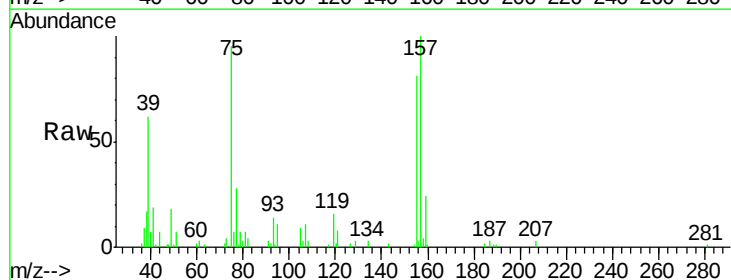
Manual Integrations
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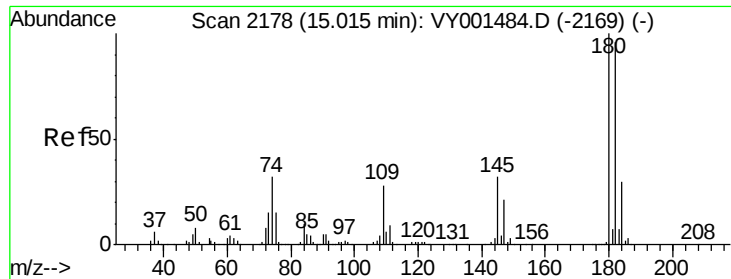
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.414 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001501.D
 Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	40.7	122.1
157	102.7	52.3	157.1





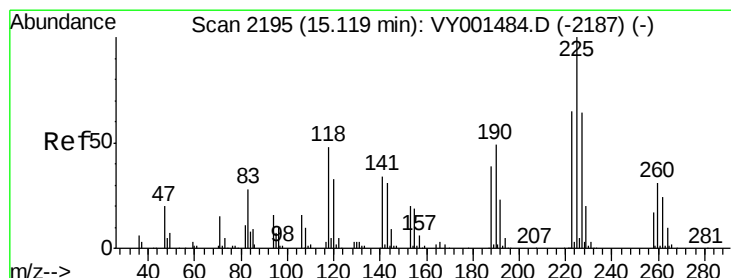
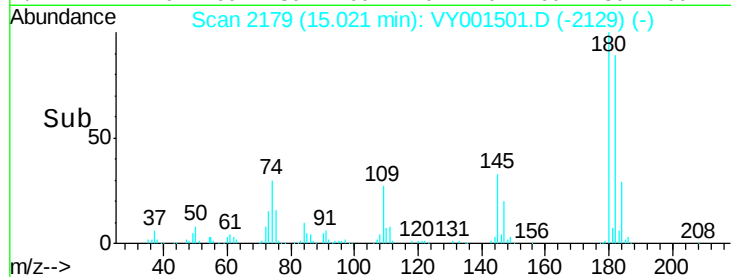
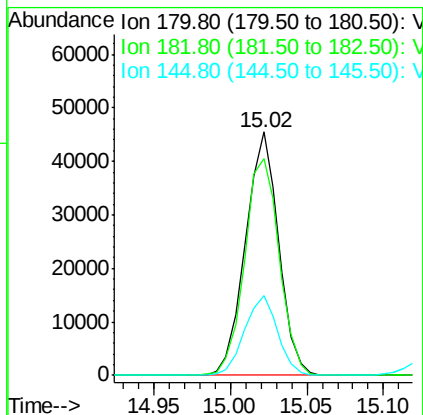
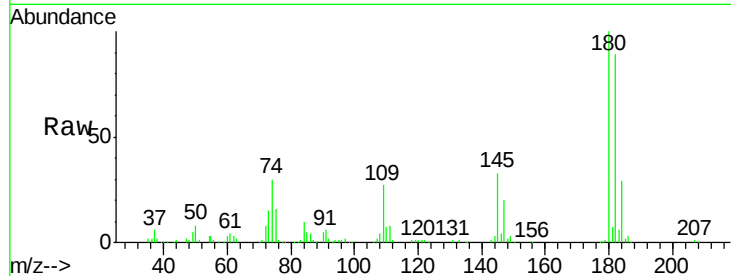
#93
1,2,4-Trichlorobenzene
Concen: 21.531 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.7
145	32.8	16.8	50.3

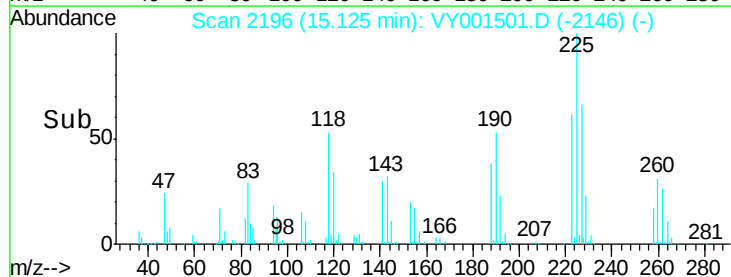
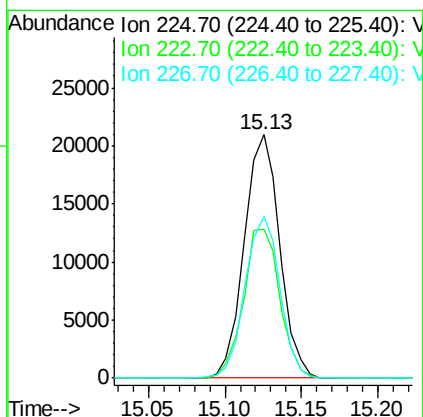
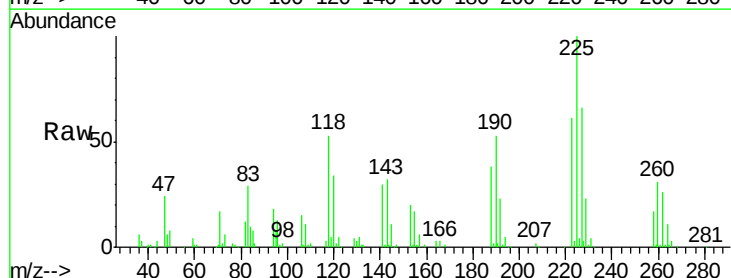
Manual Integrations
APPROVED

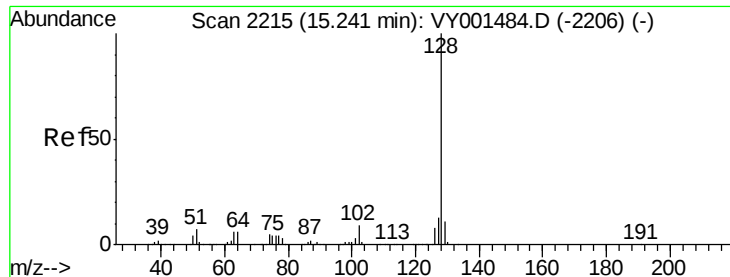
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2/6/2020 12:46:53 PM



#94
Hexachlorobutadiene
Concen: 20.968 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	65.3	32.6	97.7





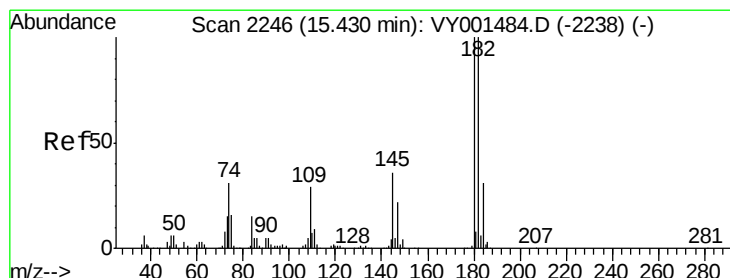
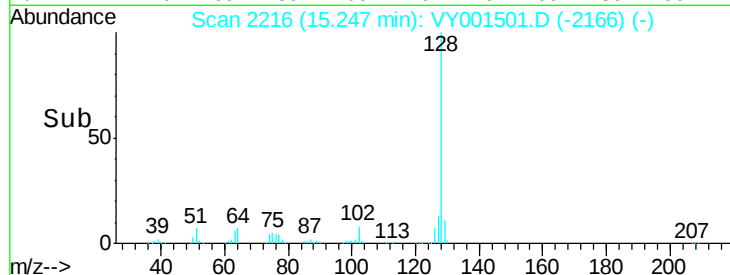
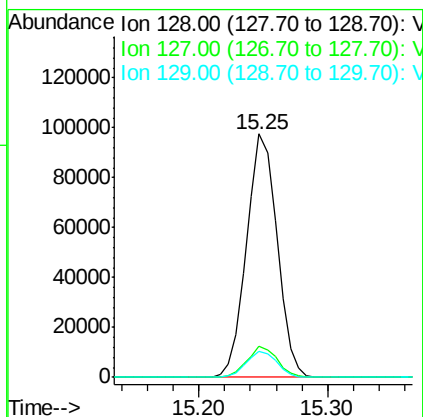
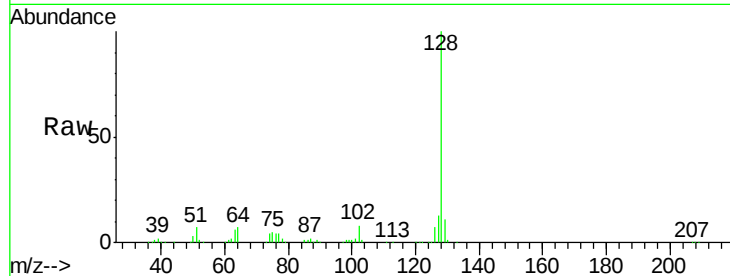
#95
Naphthalene
Concen: 21.378 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.9	13.3

Manual Integrations
APPROVED

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2/6/2020 12:46:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.199 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001501.D
Acq: 05 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	34.7	17.8	53.5

