

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000972.D
 Acq On : 17 Dec 2019 12:53
 Operator : SY/MD
 Sample : VY1217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Manual Integrations
 APPROVED

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 12/18/2019 1:01:55 PM

Quant Time: Dec 18 06:04:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	278998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	489256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	436341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	207906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	148236	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.72	113	147581	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.18	98	618419	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
62) 4-Bromofluorobenzene	12.48	95	210151	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	51500	17.148	ug/l	96
3) Chloromethane	2.12	50	67219	18.157	ug/l	98
4) Vinyl Chloride	2.25	62	65477	17.946	ug/l	95
5) Bromomethane	2.63	94	43205	18.132	ug/l	100
6) Chloroethane	2.79	64	40417	18.067	ug/l	93
7) Trichlorofluoromethane	3.12	101	91482	18.295	ug/l	97
8) Diethyl Ether	3.53	74	37293	19.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	59579	19.295	ug/l	98
10) Methyl Iodide	4.09	142	67355	17.325	ug/l	98
11) Tert butyl alcohol	4.97	59	29517	98.964	ug/l #	90
12) 1,1-Dichloroethene	3.87	96	58814	19.226	ug/l	98
13) Acrolein	3.73	56	25064	85.308	ug/l	97
14) Allyl chloride	4.49	41	99454	18.961	ug/l	99
15) Acrylonitrile	5.18	53	93368	96.077	ug/l	100
16) Acetone	3.95	43	63923	93.994	ug/l	96
17) Carbon Disulfide	4.19	76	177871	17.978	ug/l	96
18) Methyl Acetate	4.47	43	53405	18.781	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	159027	19.466	ug/l	99
20) Methylene Chloride	4.71	84	77564	21.637	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	66800	19.212	ug/l	89
22) Diisopropyl ether	6.13	45	210354	19.512	ug/l	97
23) Vinyl Acetate	6.07	43	639671	97.601	ug/l	99
24) 1,1-Dichloroethane	6.02	63	114098	19.202	ug/l	99
25) 2-Butanone	6.99	43	113240	90.139	ug/l	95
26) 2,2-Dichloropropane	6.99	77	95324	19.061	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	73485	19.552	ug/l	98
28) Bromochloromethane	7.34	49	29186	14.872	ug/l	95
29) Tetrahydrofuran	7.36	42	79821	95.884	ug/l	99
30) Chloroform	7.52	83	111876	18.769	ug/l	92
31) Cyclohexane	7.79	56	115182	18.299	ug/l	88
32) 1,1,1-Trichloroethane	7.71	97	97098	19.727	ug/l	97
36) 1,1-Dichloropropene	7.92	75	91483	18.806	ug/l	99
37) Ethyl Acetate	7.08	43	52738	18.775	ug/l	99
38) Carbon Tetrachloride	7.90	117	81357	18.779	ug/l	84

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Quant Time: Dec 18 06:04:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	122844	19.060	ug/l	96
40) Benzene	8.16	78	276207	19.492	ug/l	98
41) Methacrylonitrile	7.32	41	21852m	14.760	ug/l	
42) 1,2-Dichloroethane	8.24	62	69793	18.729	ug/l	99
43) Isopropyl Acetate	8.28	43	97473	18.414	ug/l	99
44) Trichloroethene	8.94	130	71119	19.529	ug/l	95
45) 1,2-Dichloropropane	9.22	63	71203	20.005	ug/l	97
46) Dibromomethane	9.30	93	35907	19.308	ug/l	98
47) Bromodichloromethane	9.50	83	82896	18.975	ug/l #	96
48) Methyl methacrylate	9.30	41	40840	17.545	ug/l	94
49) 1,4-Dioxane	9.30	88	10238	388.536	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	261950	95.778	ug/l	98
52) Toluene	10.24	92	169699	19.342	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	89316	19.029	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	106858	19.261	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	52142	18.978	ug/l	96
56) Ethyl methacrylate	10.51	69	73908	18.804	ug/l	99
57) 1,3-Dichloropropane	10.79	76	93654	19.557	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	172182	108.645	ug/l	100
59) 2-Hexanone	10.83	43	177786	89.210	ug/l	98
60) Dibromochloromethane	10.99	129	55535	18.776	ug/l	100
61) 1,2-Dibromoethane	11.08	107	49478	19.108	ug/l	99
64) Tetrachloroethene	10.71	164	77130	20.345	ug/l	92
65) Chlorobenzene	11.51	112	174221	19.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	58847	19.252	ug/l	98
67) Ethyl Benzene	11.59	91	328421	19.443	ug/l	99
68) m/p-Xylenes	11.70	106	247464	39.031	ug/l	98
69) o-Xylene	12.03	106	115780	19.585	ug/l	98
70) Styrene	12.04	104	195528	19.316	ug/l	99
71) Bromoform	12.20	173	32291	18.731	ug/l #	96
73) Isopropylbenzene	12.33	105	308318	18.625	ug/l	99
74) N-amyl acetate	12.14	43	84536	18.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	59656	18.290	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	50770m	21.553	ug/l	
77) Bromobenzene	12.61	156	68177	19.000	ug/l	96
78) n-propylbenzene	12.67	91	379343	18.768	ug/l	100
79) 2-Chlorotoluene	12.75	91	207634	18.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	256364	18.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21459	17.895	ug/l	96
82) 4-Chlorotoluene	12.85	91	217645	18.918	ug/l	100
83) tert-Butylbenzene	13.07	119	207469	18.004	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	254029	18.525	ug/l	98
85) sec-Butylbenzene	13.25	105	318804	19.023	ug/l	99
86) p-Isopropyltoluene	13.37	119	279181	19.152	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	134619	19.124	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	133982	19.223	ug/l	99
89) n-Butylbenzene	13.69	91	284016	19.271	ug/l	98
90) Hexachloroethane	13.95	117	50902	18.956	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	121473	19.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10013	18.337	ug/l	95

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Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

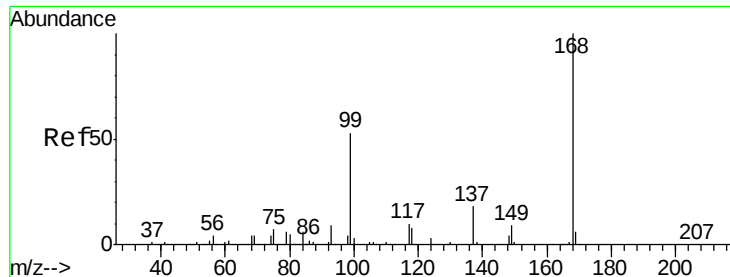
Manual Integrations
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12/18/2019 1:01:55 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	82885	19.345	ug/l	99
94) Hexachlorobutadiene	15.11	225	41021	19.311	ug/l	99
95) Naphthalene	15.23	128	187763	18.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	72603	18.971	ug/l	99

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



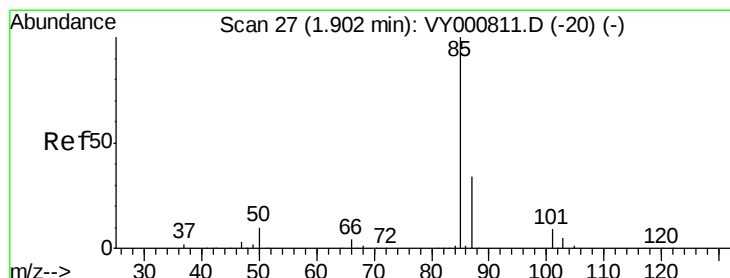
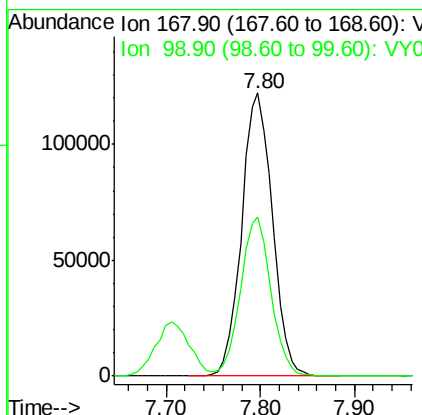
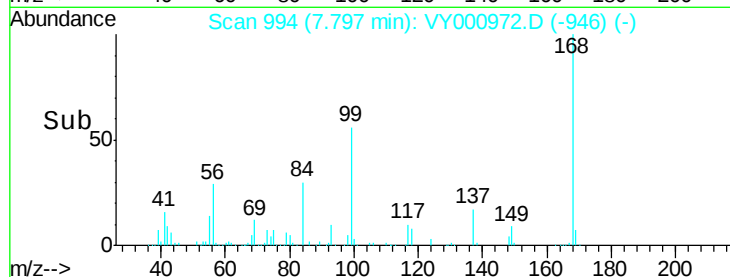
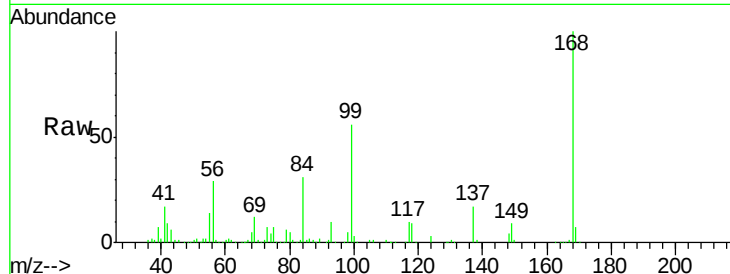
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
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ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.3	45.0	67.6

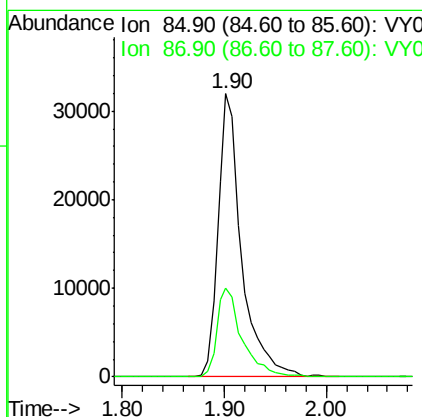
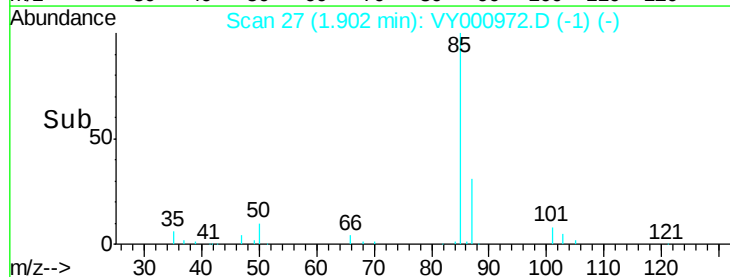
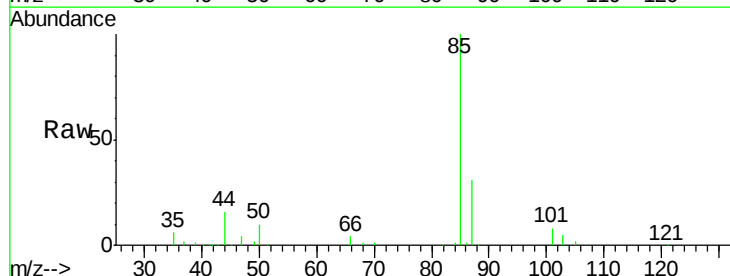
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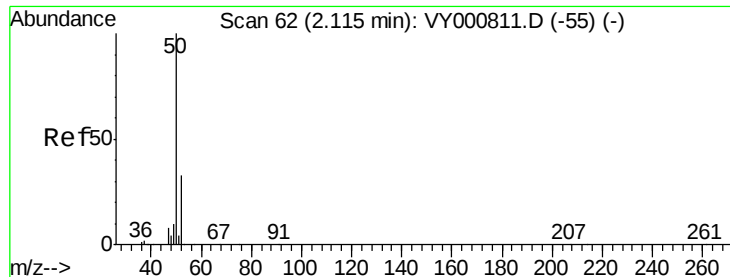
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#2
Dichlorodifluoromethane
Concen: 17.148 ug/l
RT: 1.90 min Scan# 27
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.8	50.3





#3

Chloromethane

Concen: 18.157 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 50 Resp: 67219

Ion Ratio Lower Upper

50 100

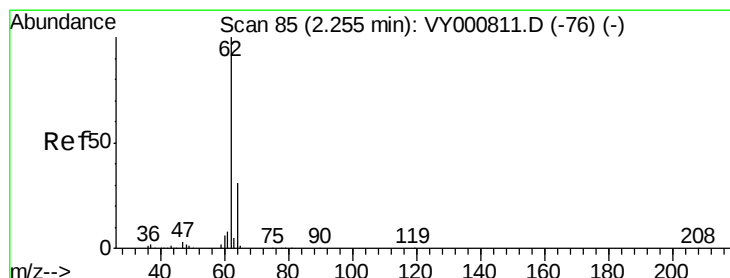
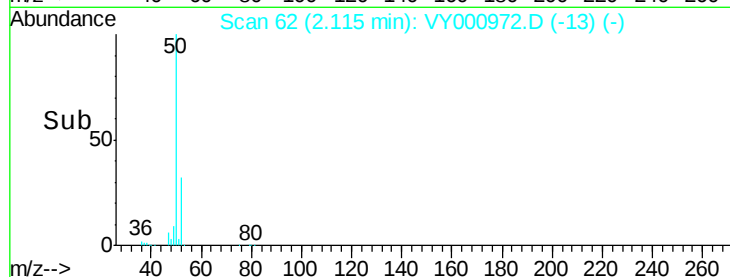
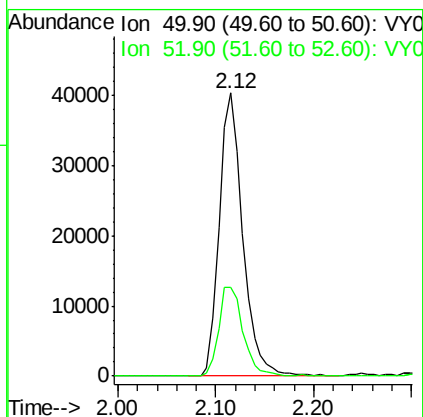
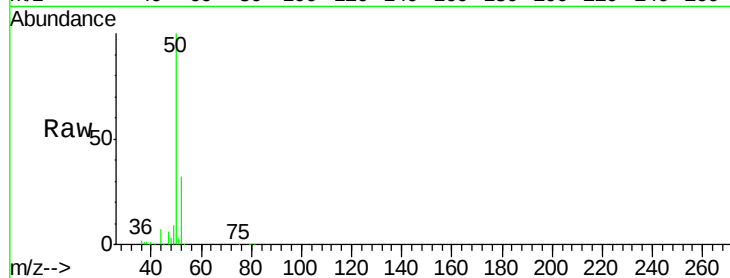
52 31.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.946 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000972.D

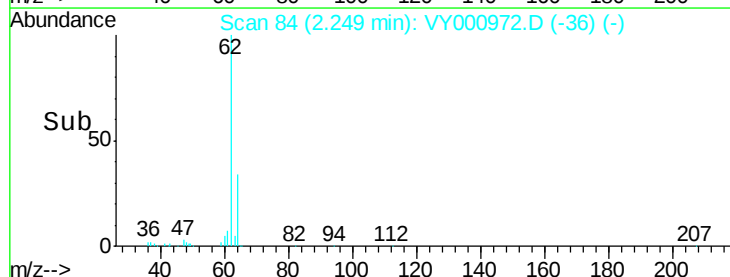
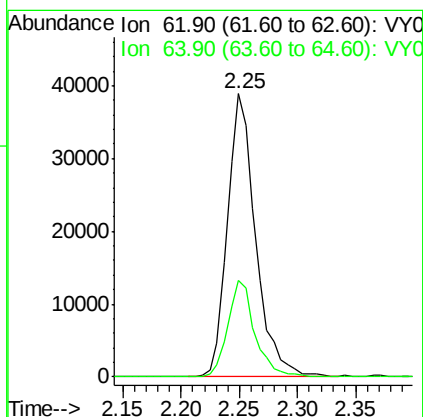
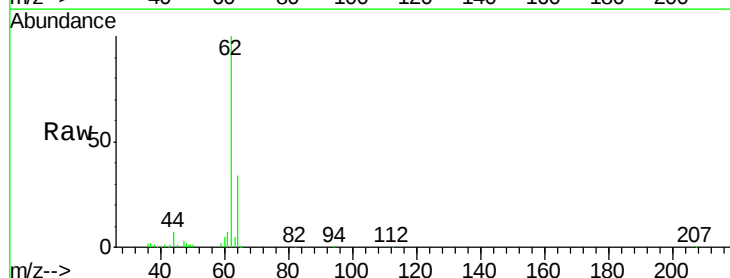
Acq: 17 Dec 2019 12:53

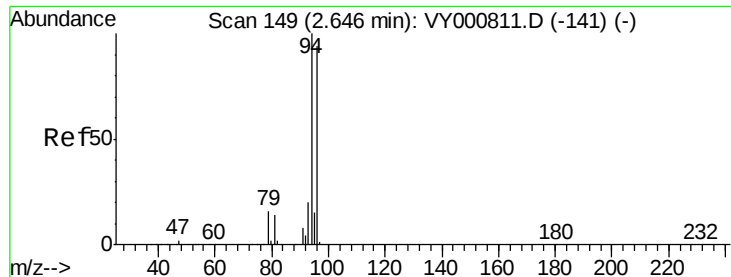
Tgt Ion: 62 Resp: 65477

Ion Ratio Lower Upper

62 100

64 34.0 25.1 37.7





#5

Bromomethane

Concen: 18.132 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 94 Resp: 43205

Ion Ratio Lower Upper

94 100

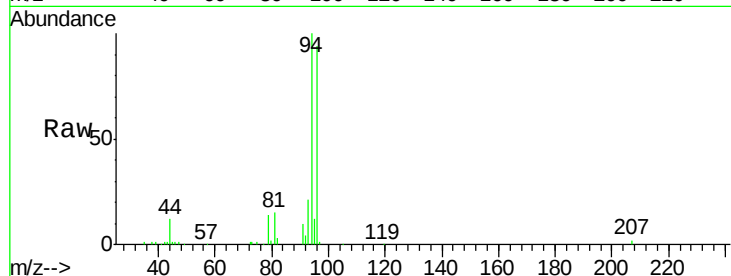
96 94.4 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

20000

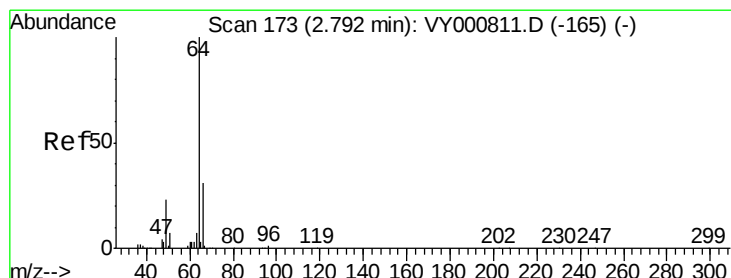
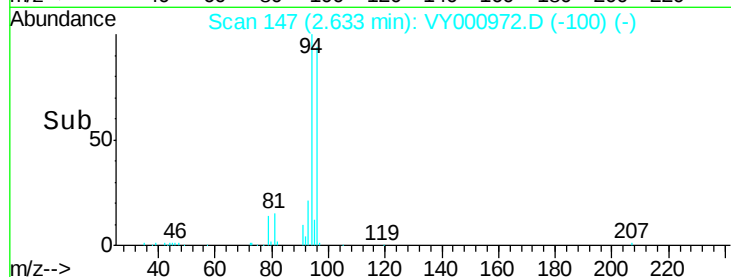
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.067 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000972.D

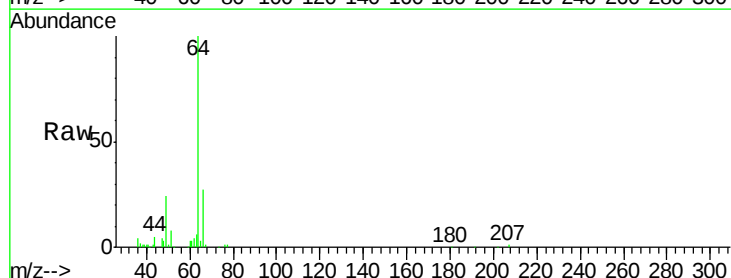
Acq: 17 Dec 2019 12:53

Tgt Ion: 64 Resp: 40417

Ion Ratio Lower Upper

64 100

66 27.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

20000

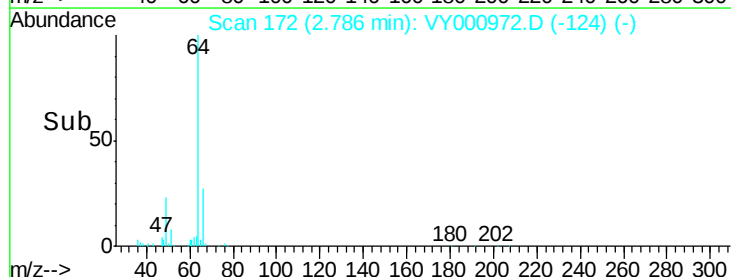
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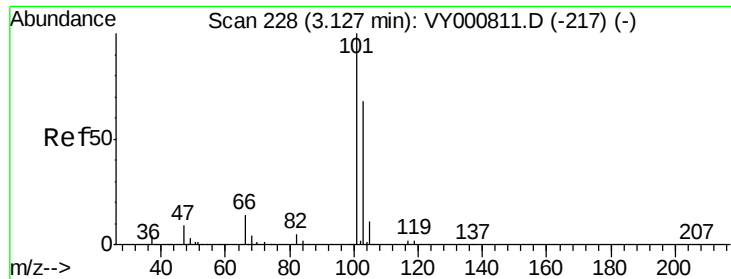
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5000

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Time-->





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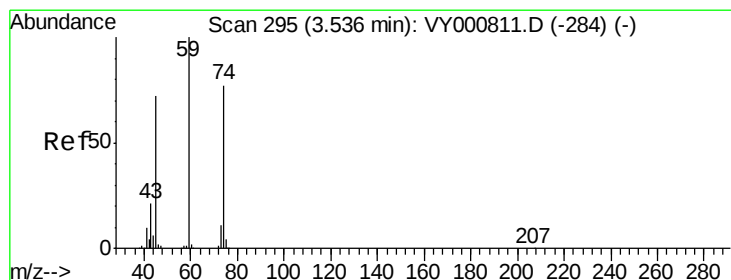
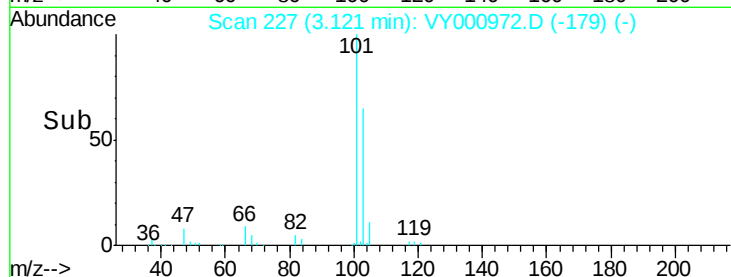
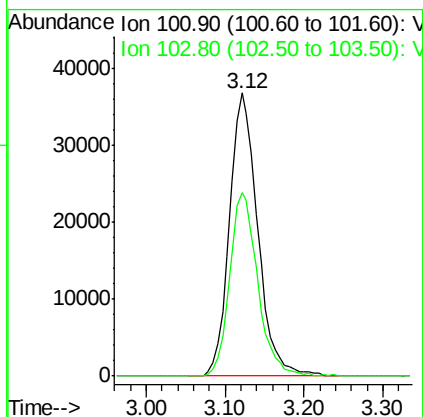
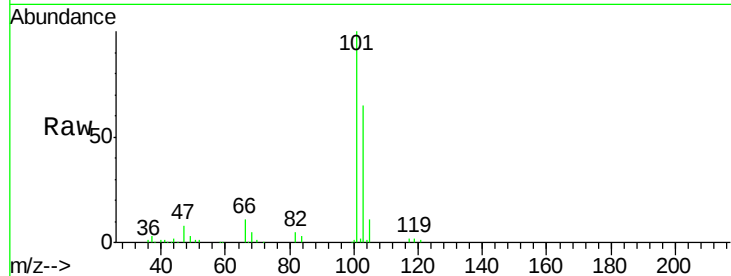
Trichlorofluoromethane
Concen: 18.295 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	54.2	81.2

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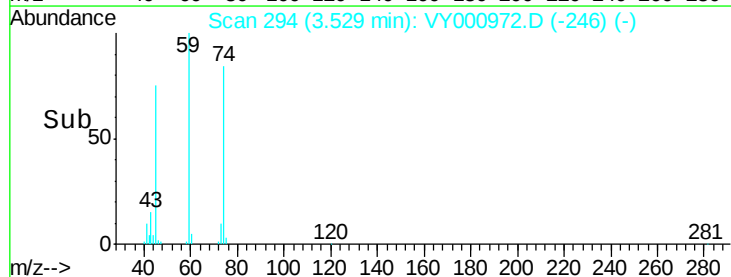
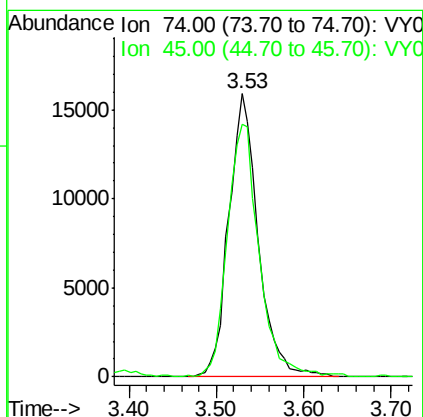
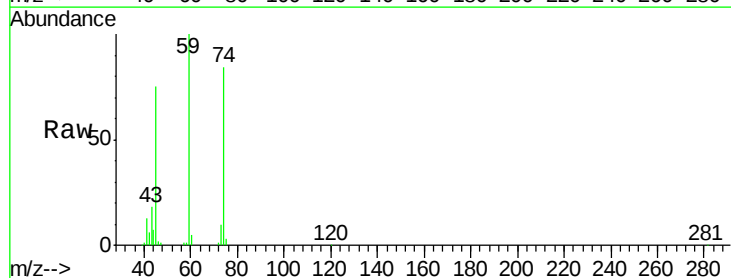
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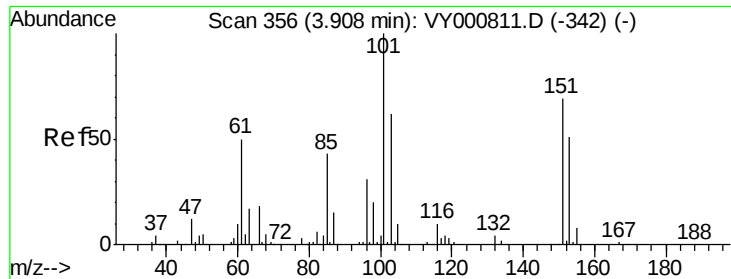


#8

Diethyl Ether
Concen: 19.816 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	49.0	147.0





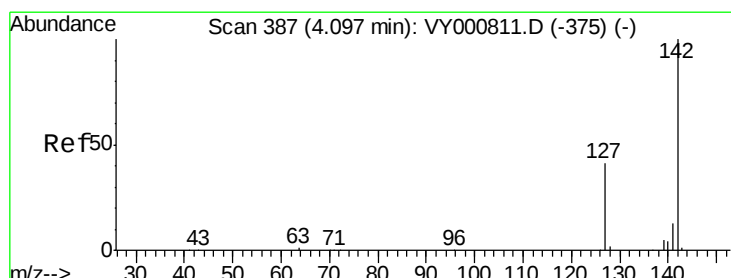
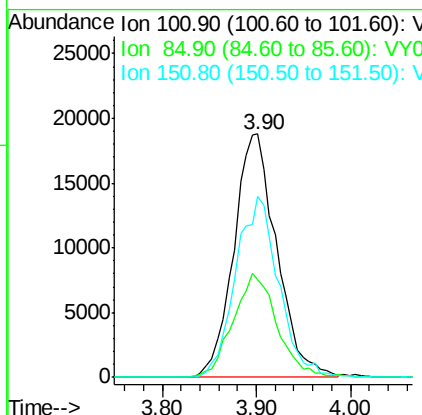
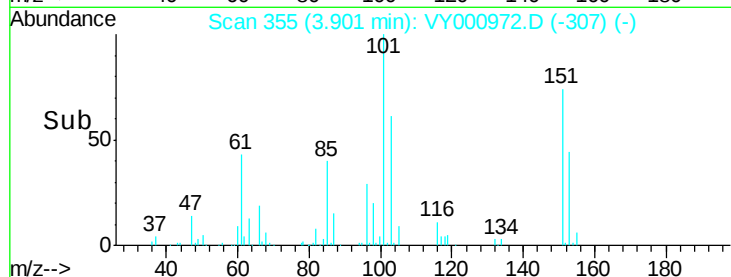
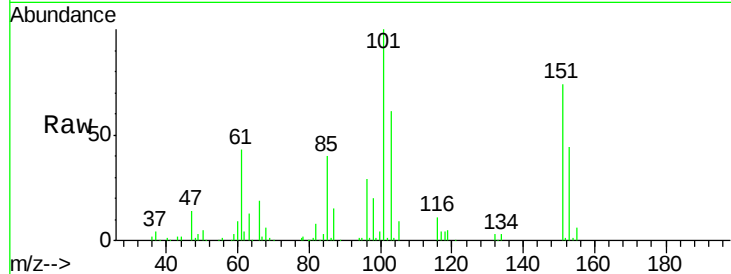
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.295 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	59579		
85	43.4	36.0	54.0	
151	74.3	58.2	87.2	

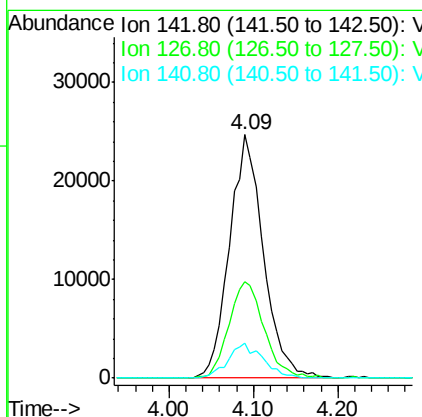
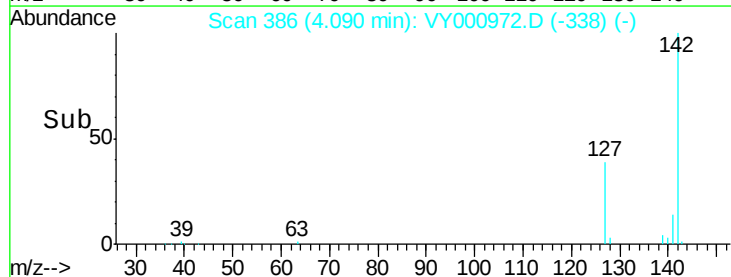
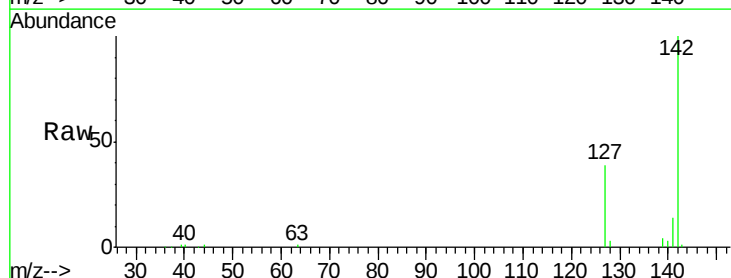
Manual Integrations
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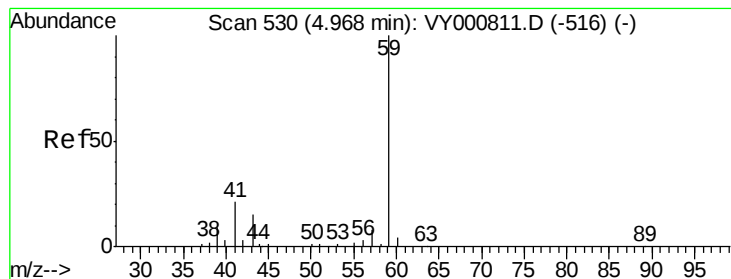
MMDadoda
 12/18/2019 1:01:55 PM



#10
 Methyl Iodide
 Concen: 17.325 ug/l
 RT: 4.09 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	67355		
127	41.4	33.8	50.8	
141	14.7	10.9	16.3	





#11

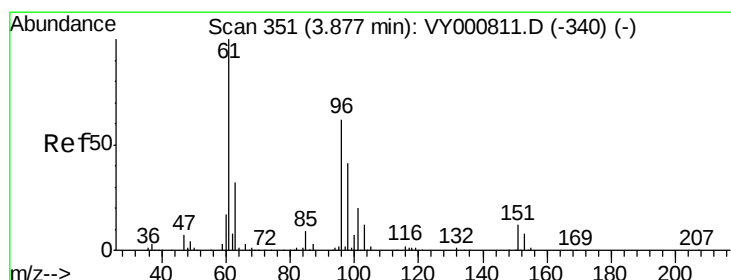
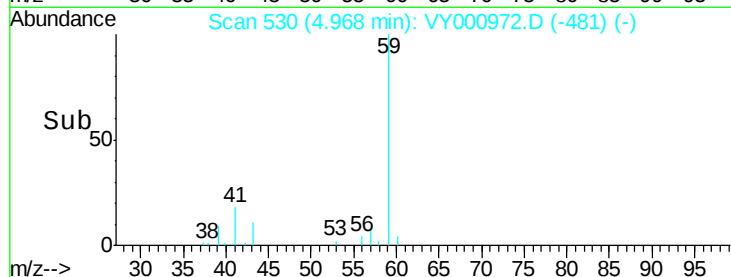
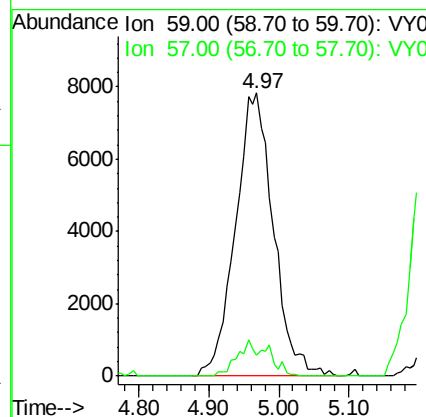
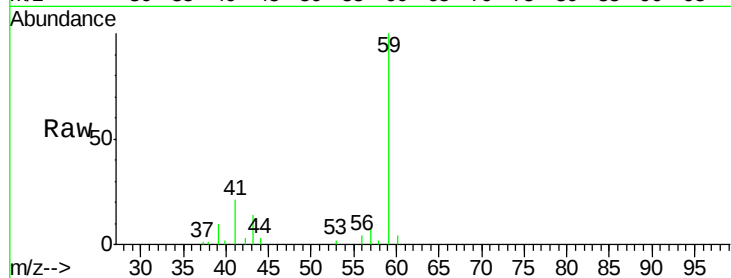
Tert butyl alcohol
 Concen: 98.964 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.8	11.6#

Manual Integrations
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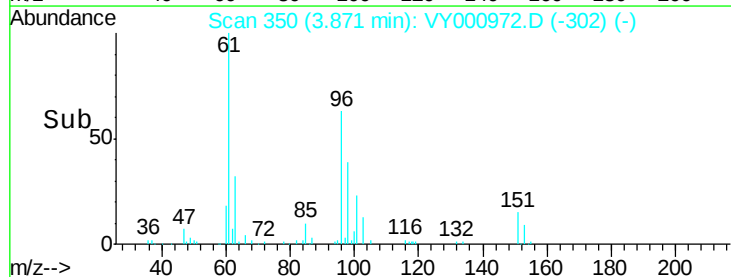
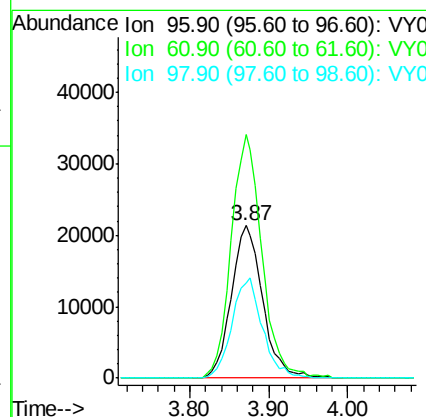
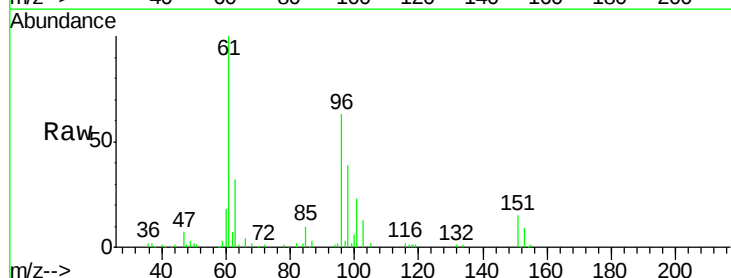
MMDadoda
 12/18/2019 1:01:55 PM

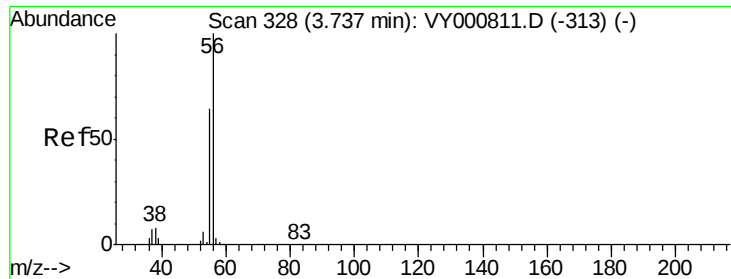


#12

1,1-Dichloroethene
 Concen: 19.226 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	129.4	194.2
98	62.9	53.4	80.0





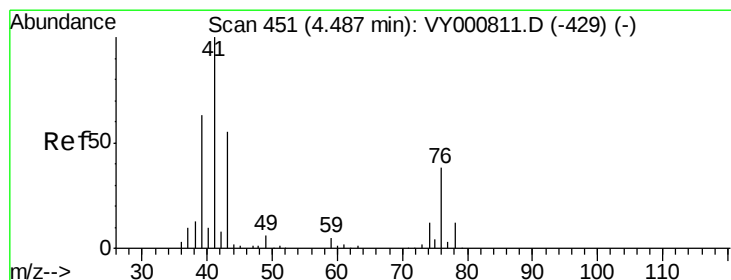
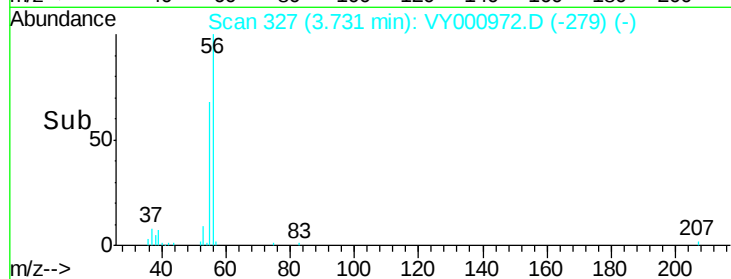
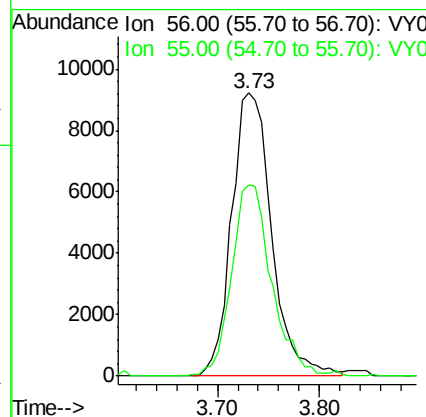
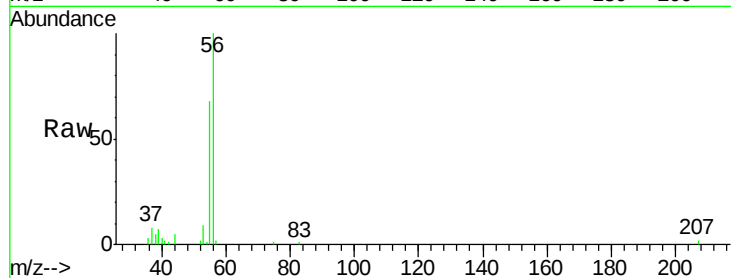
#13
Acrolein
Concen: 85.308 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	56	Resp	25064
Ion Ratio	100	Lower	Upper
56	100		
55	67.5	55.7	83.5

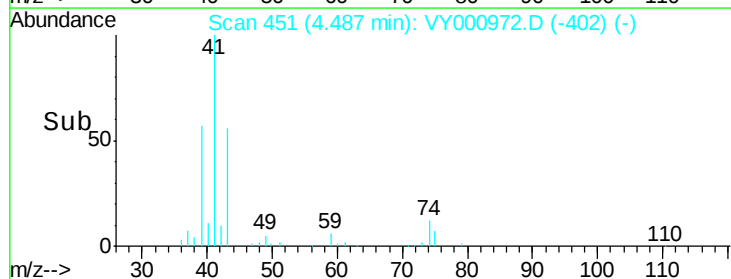
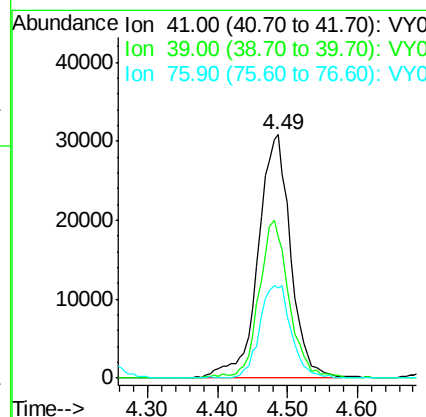
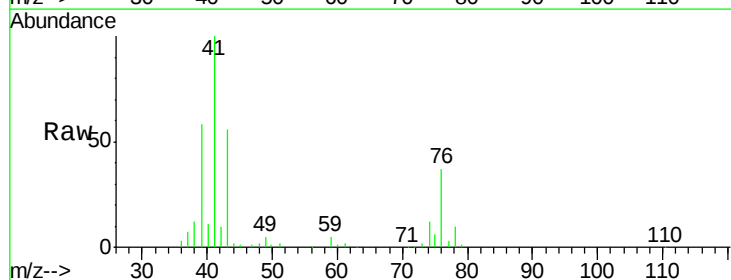
Manual Integrations
APPROVED

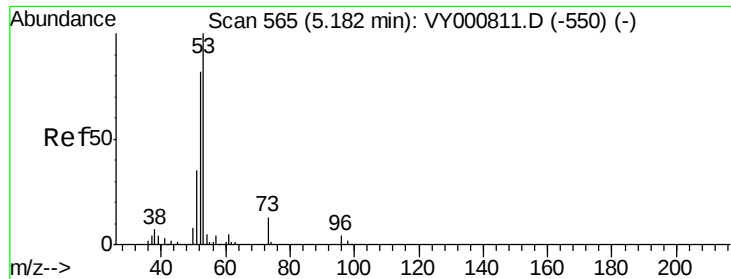
MMDadoda
12/18/2019 1:01:55 PM



#14
Allyl chloride
Concen: 18.961 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	41	Resp	99454
Ion Ratio	100	Lower	Upper
41	100		
39	60.2	49.2	73.8
76	37.0	29.2	43.8





#15

Acrylonitrile

Concen: 96.077 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

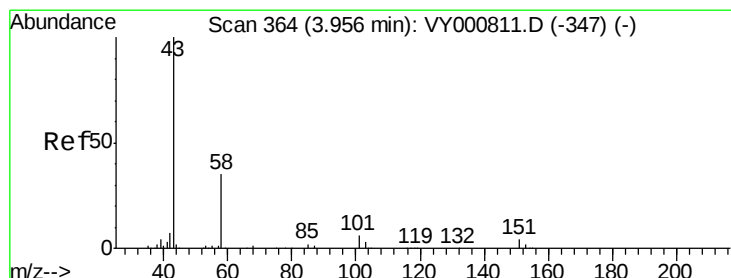
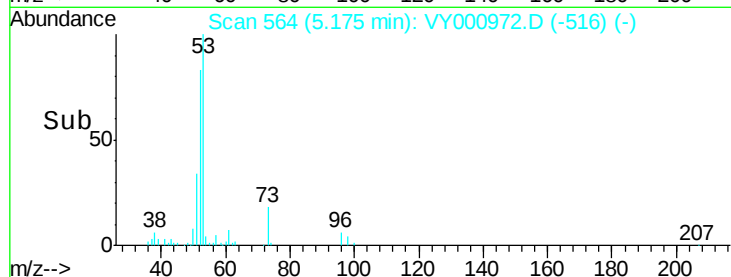
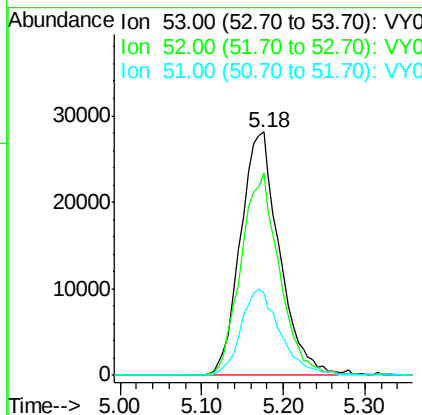
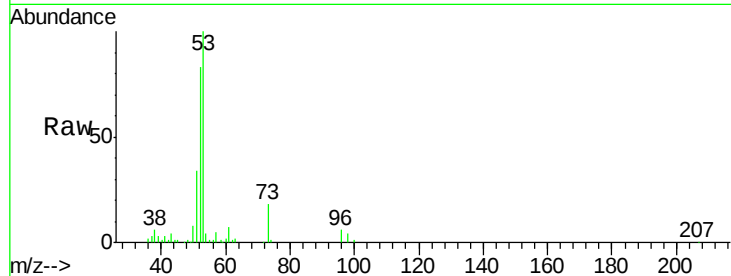
ClientSampleId :

VY1217SBS01

Tot Ion:	53	Resp:	93368
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.1	97.7
51	35.7	29.0	43.4

Manual Integrations
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MMDadoda
12/18/2019 1:01:55 PM



#16

Acetone

Concen: 93.994 ug/l

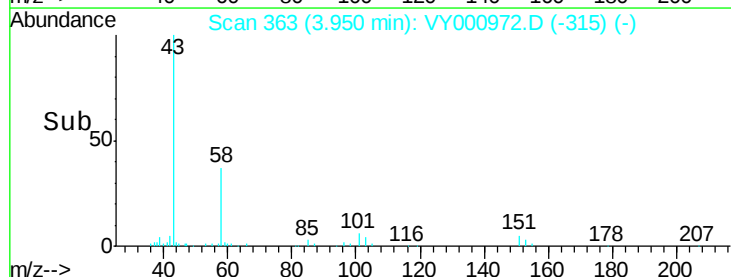
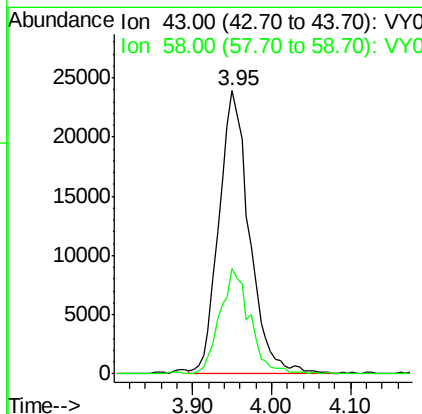
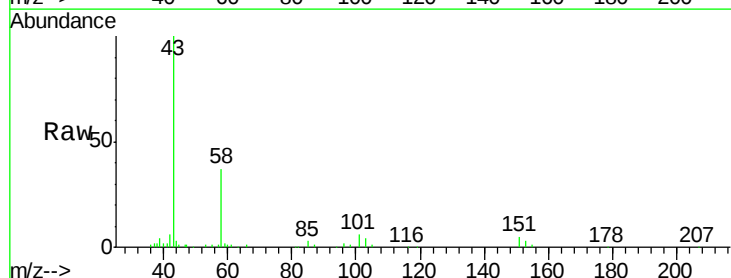
RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	43	Resp:	63923
Ion Ratio	Lower	Upper	
43	100		
58	37.3	28.0	42.0





#17

Carbon Disulfide

Concen: 17.978 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 76 Resp: 177871

Ion Ratio Lower Upper

76 100

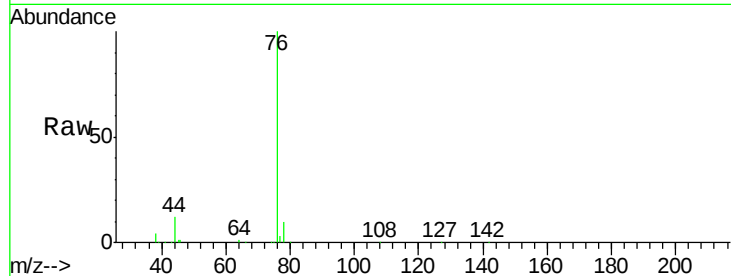
78 10.4 7.3 10.9

Manual Integrations

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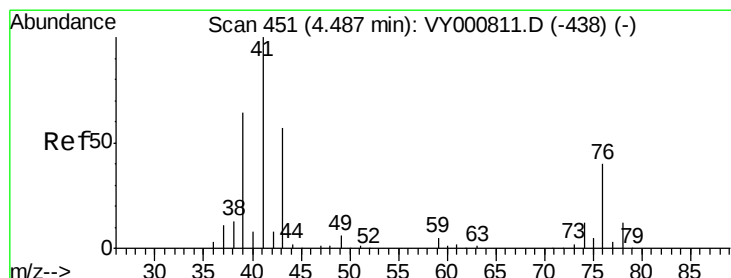
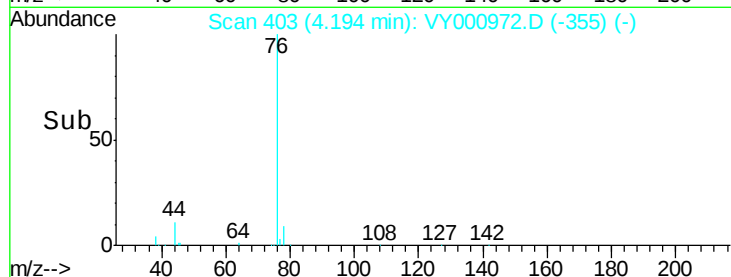
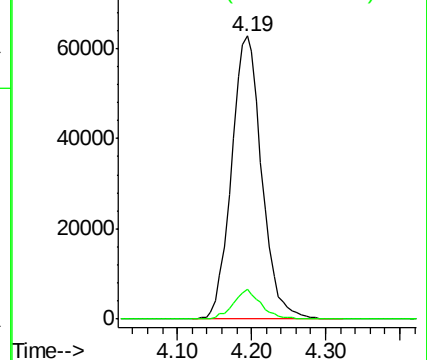
MMDadoda

12/18/2019 1:01:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.781 ug/l

RT: 4.47 min Scan# 449

Delta R.T. -0.01 min

Lab File: VY000972.D

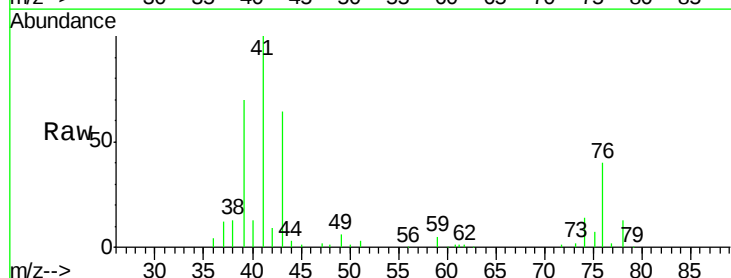
Acq: 17 Dec 2019 12:53

Tgt Ion: 43 Resp: 53405

Ion Ratio Lower Upper

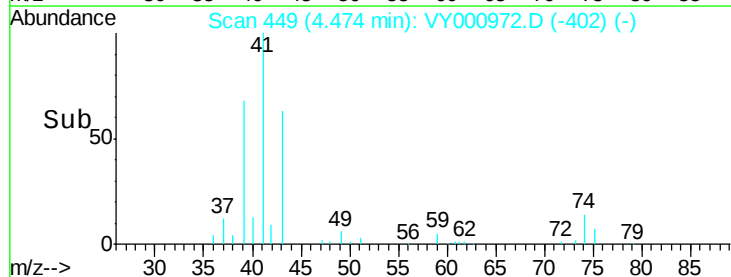
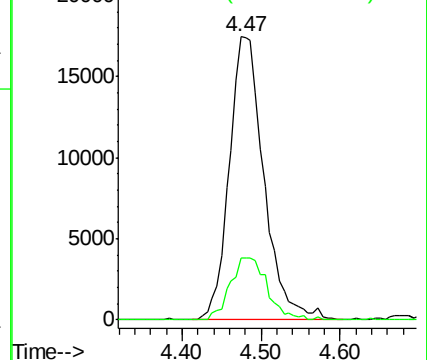
43 100

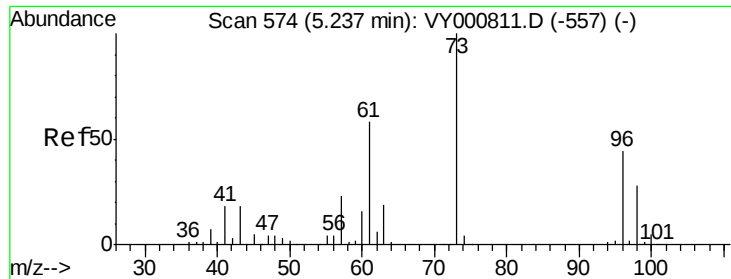
74 23.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





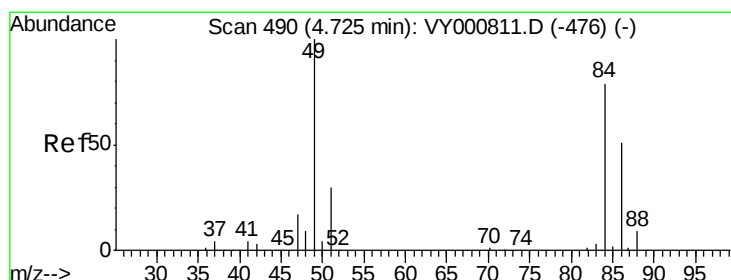
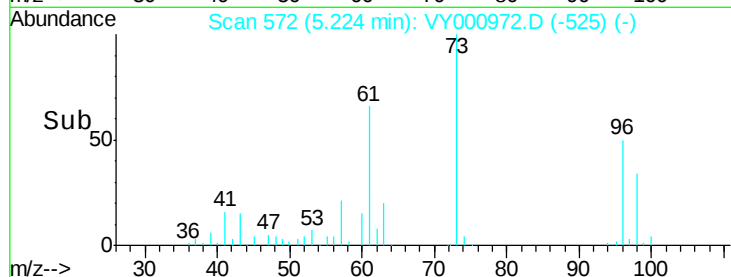
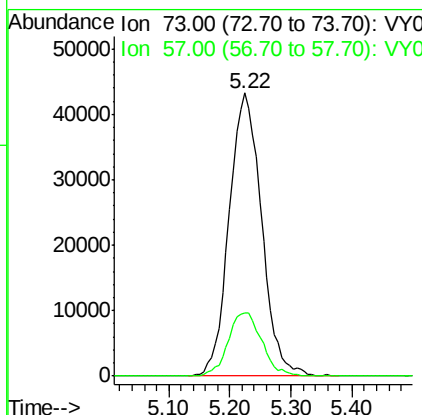
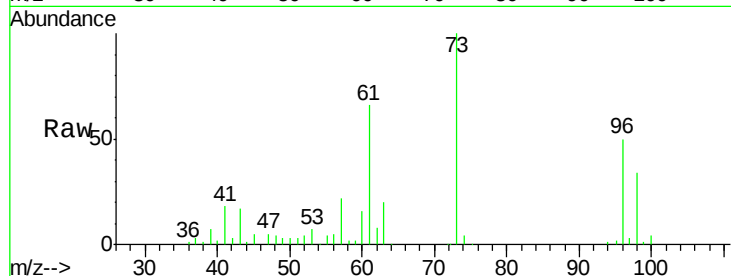
#19
Methvl tert-butvl Ether
Concen: 19.466 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion: 73 Resp: 159027
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

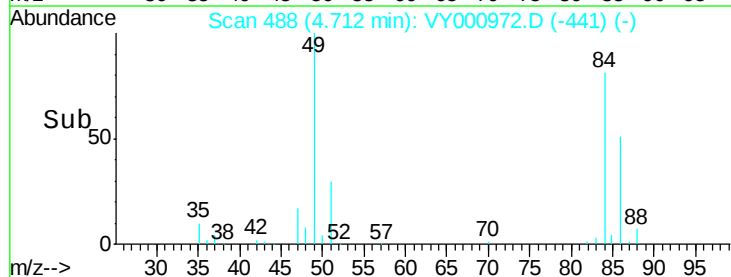
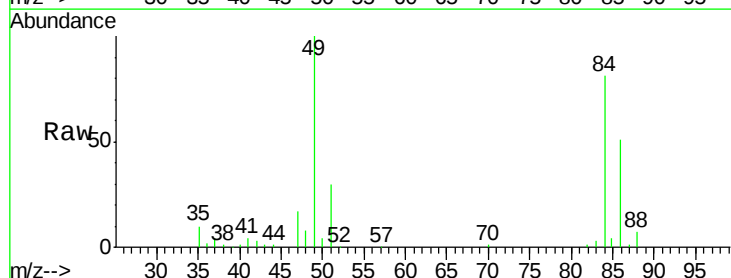
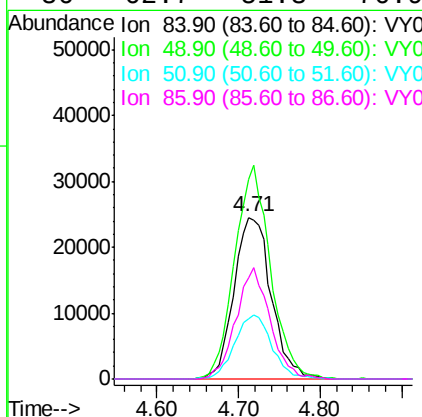
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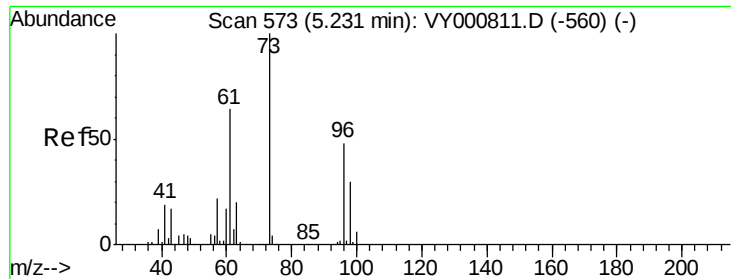
MMDadoda
12/18/2019 1:01:55 PM



#20
Methylene Chloride
Concen: 21.637 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion: 84 Resp: 77564
Ion Ratio Lower Upper
84 100
49 123.5 101.3 151.9
51 37.0 30.6 45.8
86 62.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.212 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

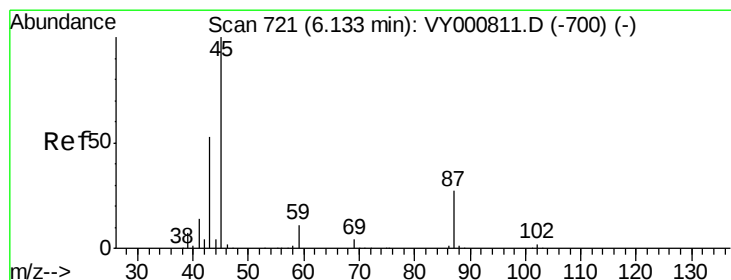
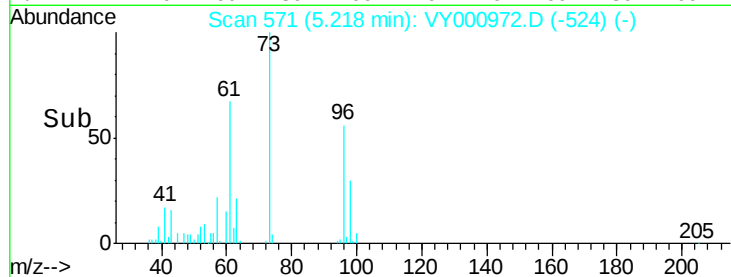
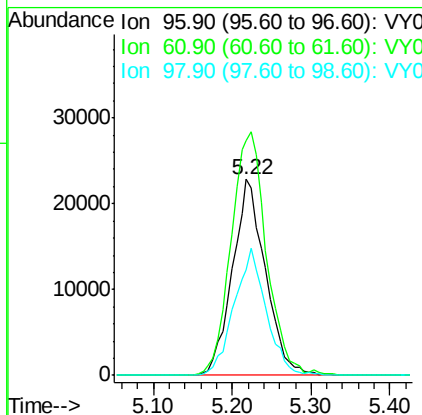
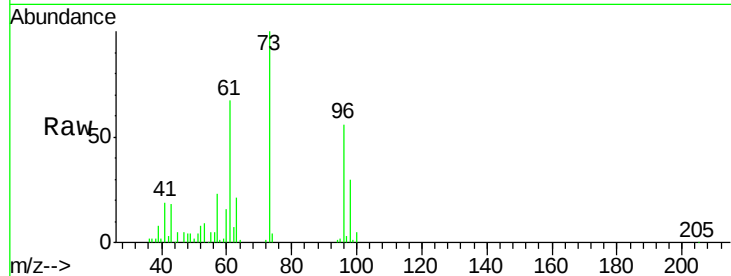
ClientSampleId :

VY1217SBS01

Tot Ion:	96	Resp:	66800
Ion	Ratio	Lower	Upper
96	100		
61	119.7	105.9	158.9
98	54.0	49.4	74.2

Manual Integrations
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MMDadoda
12/18/2019 1:01:55 PM



#22

Diisopropyl ether

Concen: 19.512 ug/l

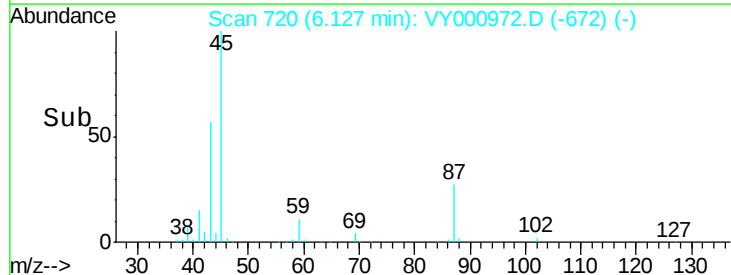
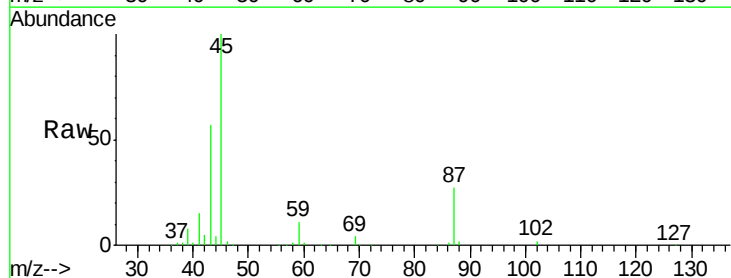
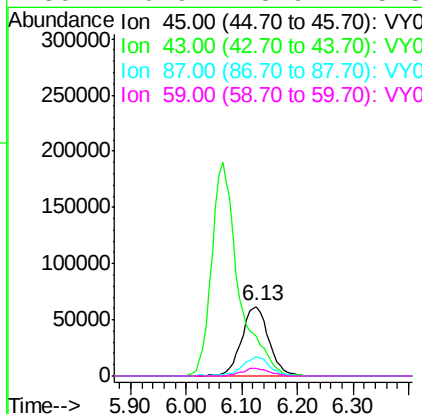
RT: 6.13 min Scan# 720

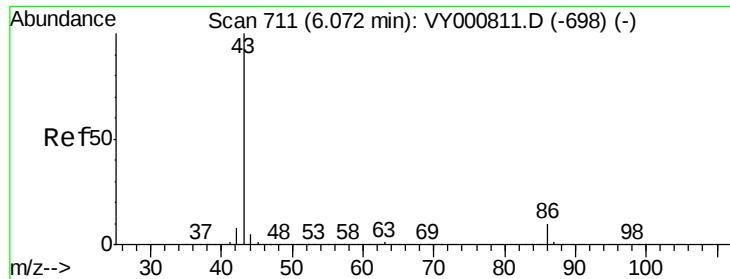
Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	45	Resp:	210354
Ion	Ratio	Lower	Upper
45	100		
43	57.2	42.7	64.1
87	27.4	22.0	33.0
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 97.601 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 43 Resp: 639671

Ion Ratio Lower Upper

43 100

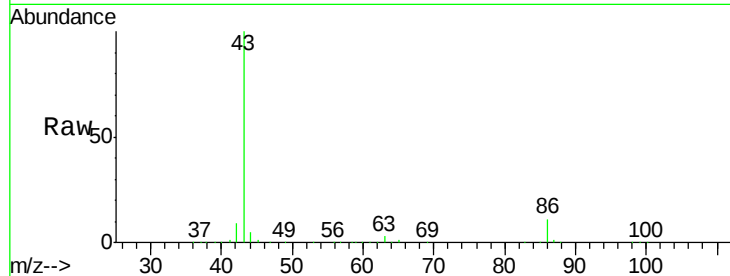
86 10.9 8.3 12.5

Manual Integrations

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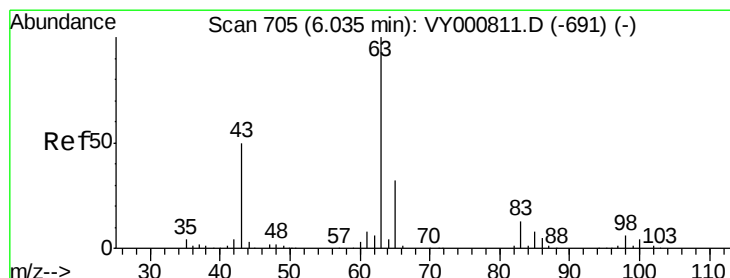
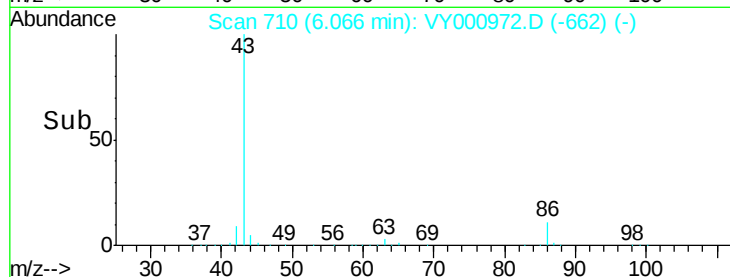
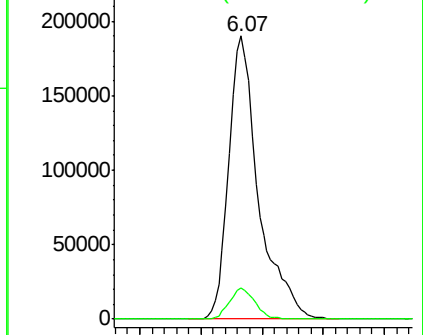
MMDadoda

12/18/2019 1:01:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.202 ug/l

RT: 6.02 min Scan# 702

Delta R.T. -0.02 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

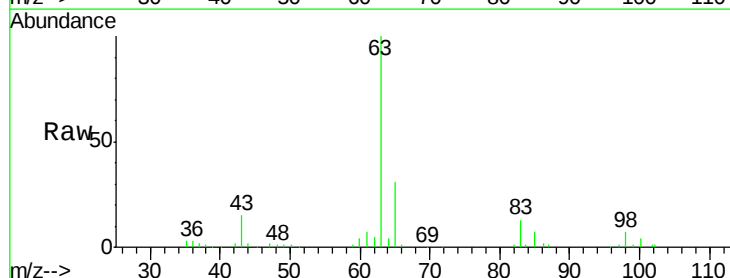
Tgt Ion: 63 Resp: 114098

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

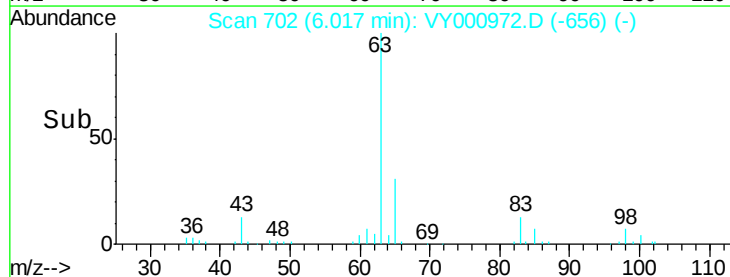
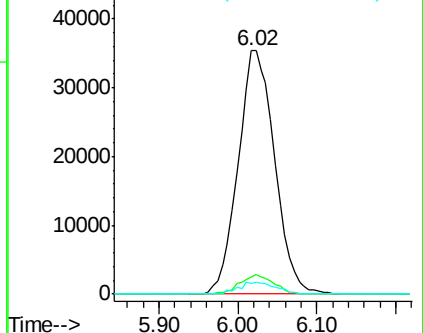
100 4.3 2.2 6.6

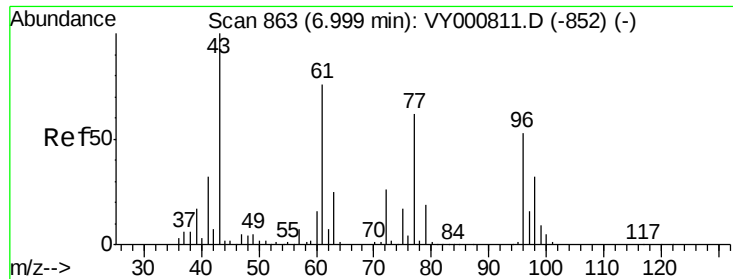


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





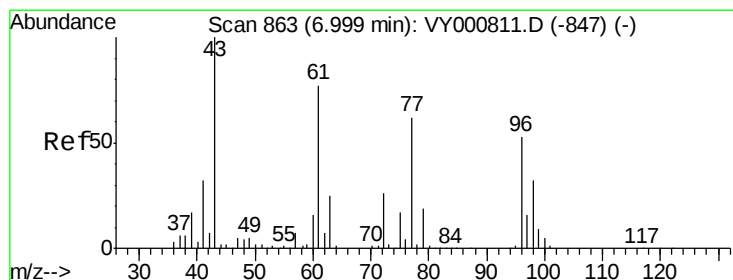
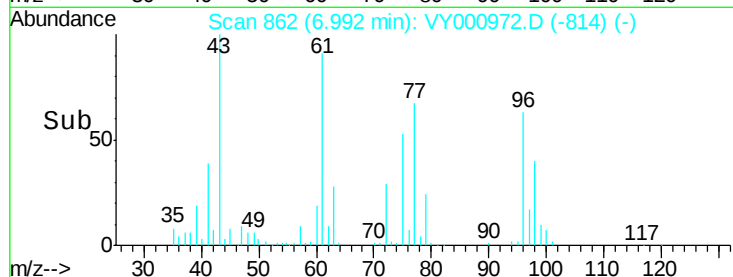
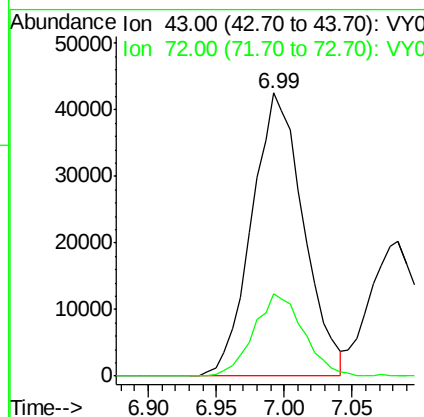
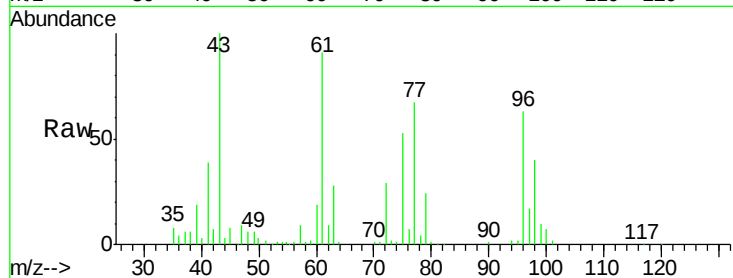
#25
2-Butanone
Concen: 90.139 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion: 43 Resp: 113240
Ion Ratio Lower Upper
43 100
72 28.9 21.0 31.4

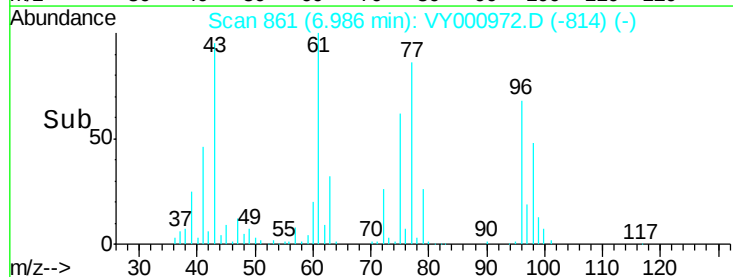
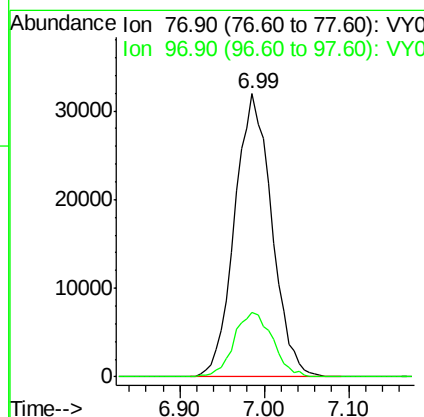
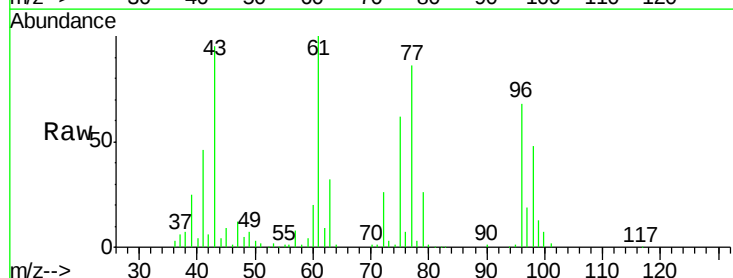
Manual Integrations
APPROVED

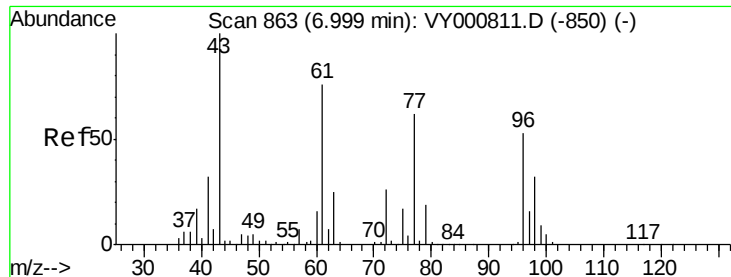
MMDadoda
12/18/2019 1:01:55 PM



#26
2,2-Dichloropropane
Concen: 19.061 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion: 77 Resp: 95324
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

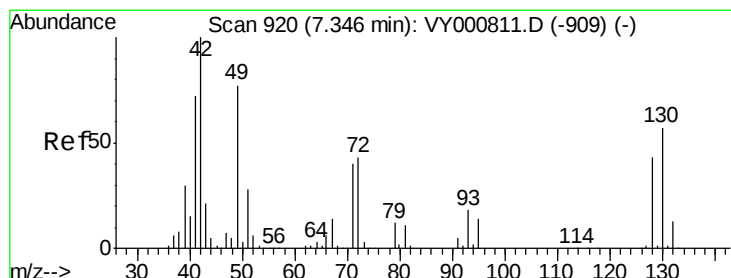
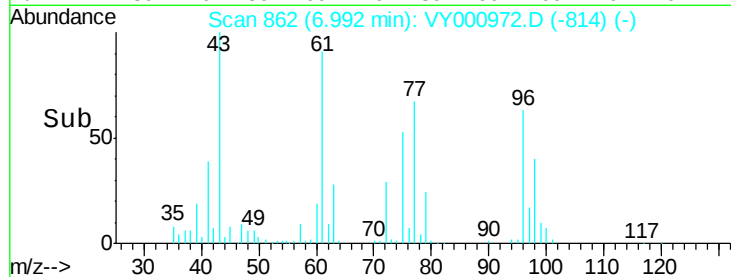
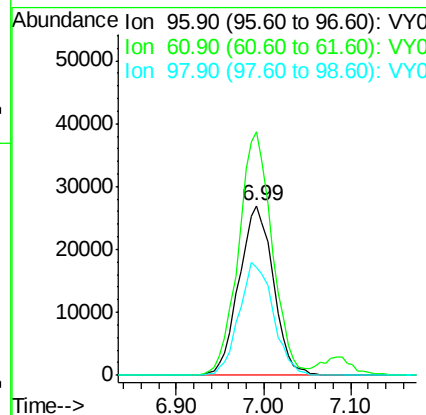
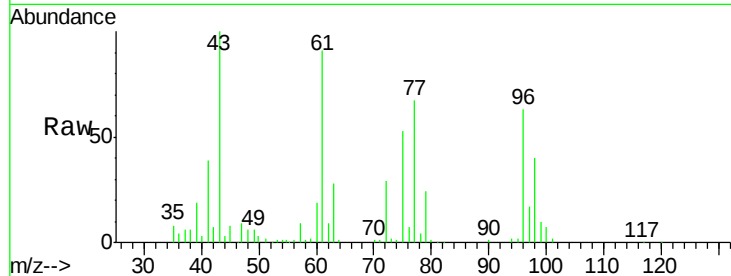
cis-1,2-Dichloroethene
Concen: 19.552 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	285.0
98	66.4	0.0	128.0

Manual Integrations
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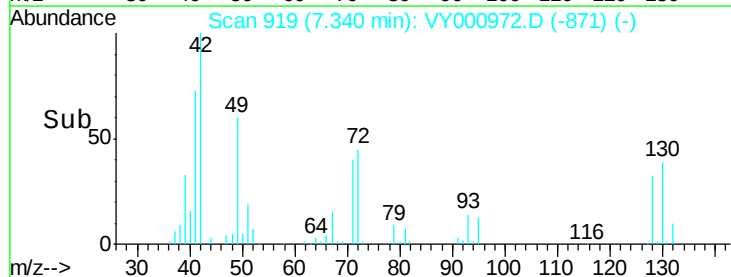
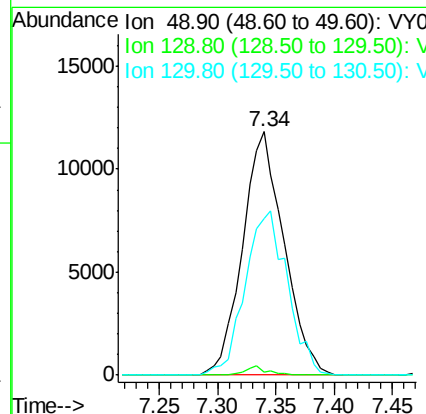
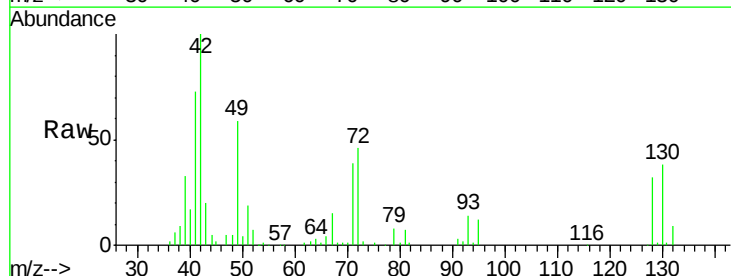
MMDadoda
12/18/2019 1:01:55 PM

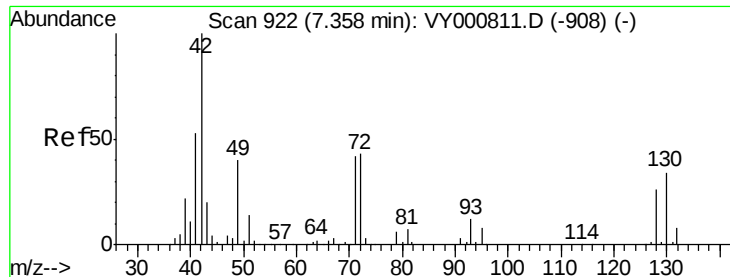


#28

Bromochloromethane
Concen: 14.872 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	68.8	58.7	88.1





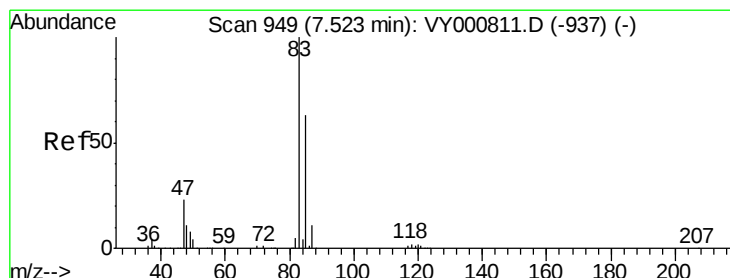
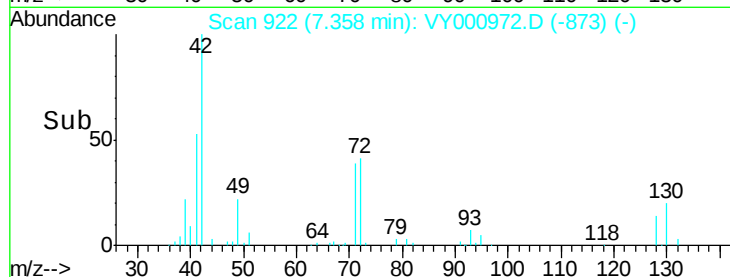
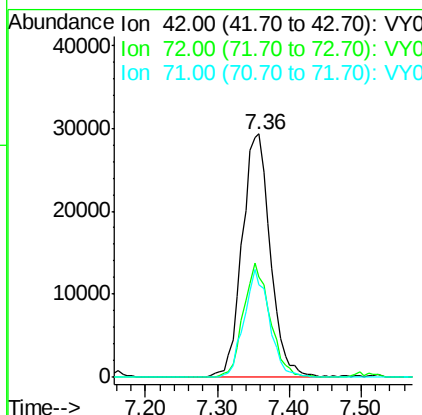
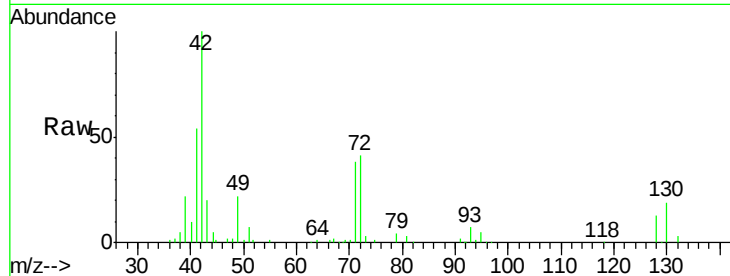
#29
Tetrahydrofuran
Concen: 95.884 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.1	52.7
71	39.7	32.8	49.2

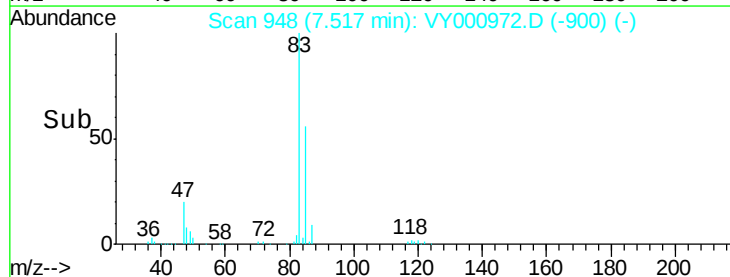
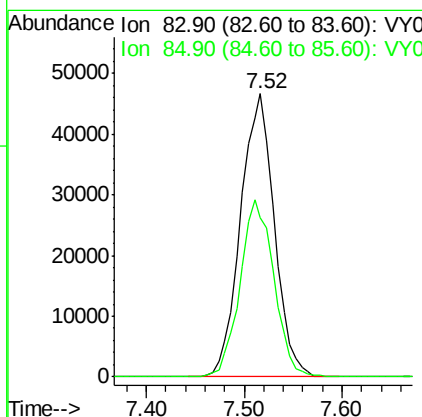
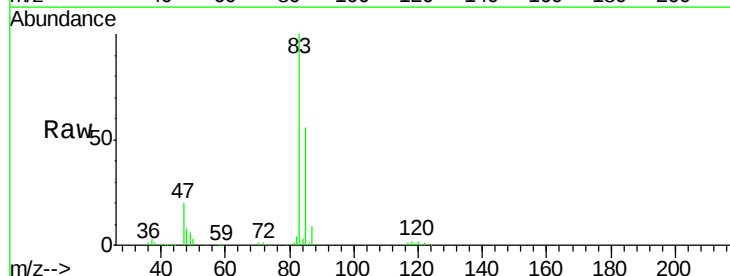
Manual Integrations
APPROVED

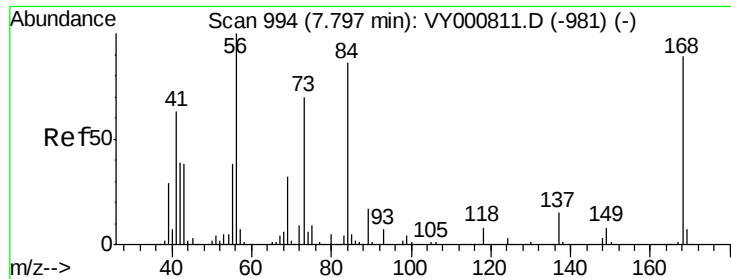
MMDadoda
12/18/2019 1:01:55 PM



#30
Chloroform
Concen: 18.769 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.4	50.4	75.6





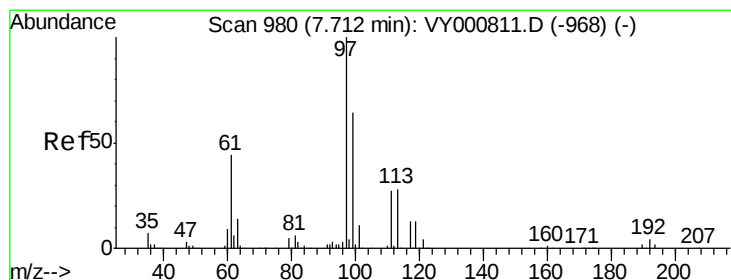
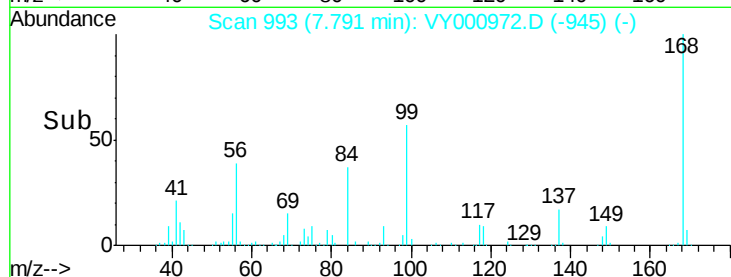
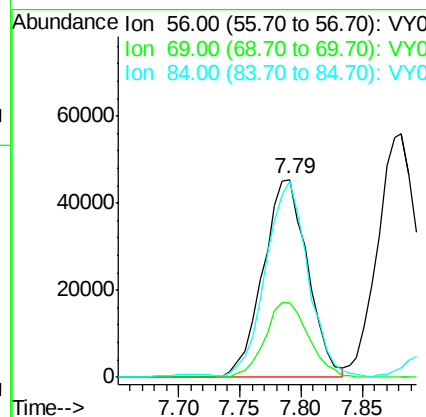
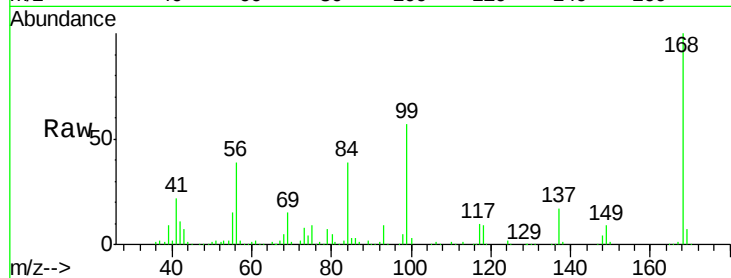
#31
Cyclohexane
Concen: 18.299 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	25.9	38.9
84	97.5	68.6	102.8

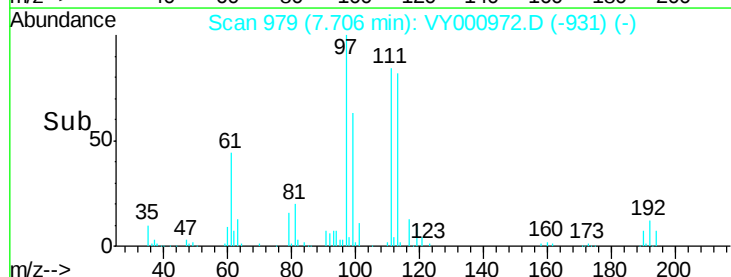
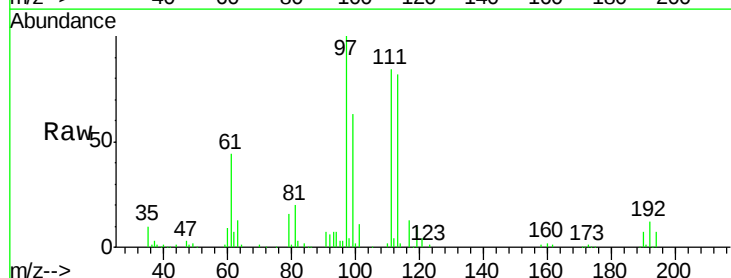
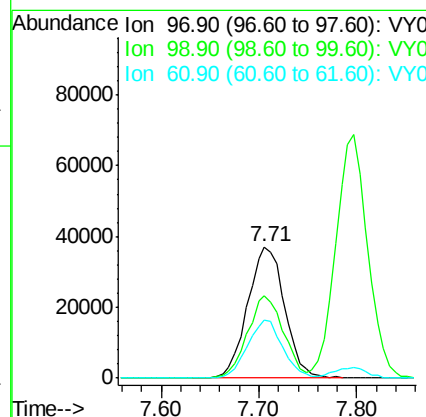
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 19.727 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.7	77.5
61	42.2	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 50.002 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 65 Resp: 148236

Ion Ratio Lower Upper

65 100

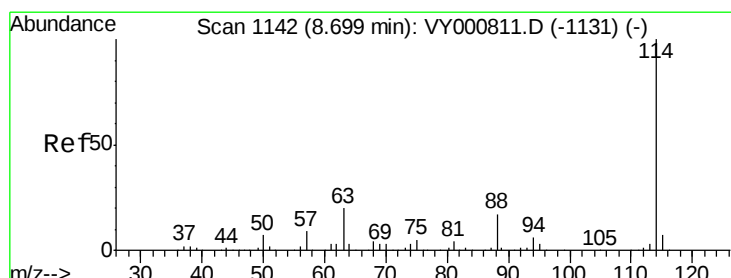
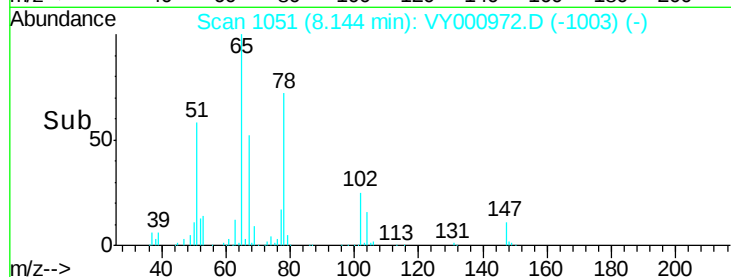
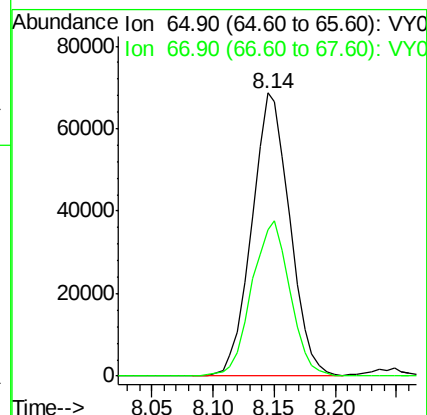
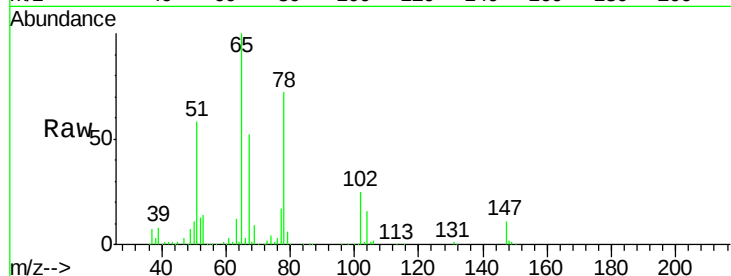
67 55.2 0.0 112.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

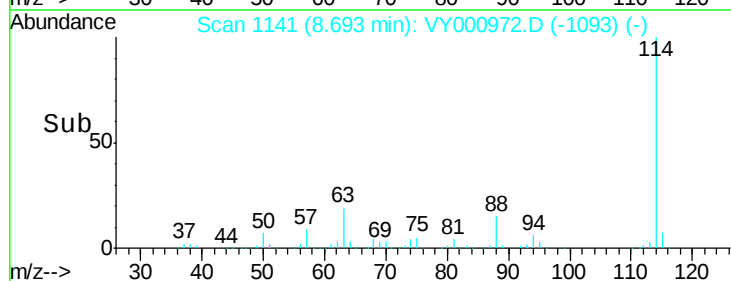
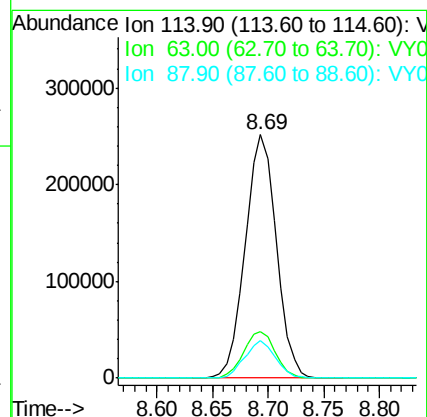
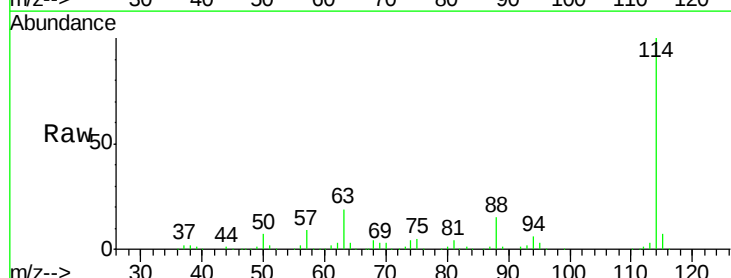
Tgt Ion: 114 Resp: 489256

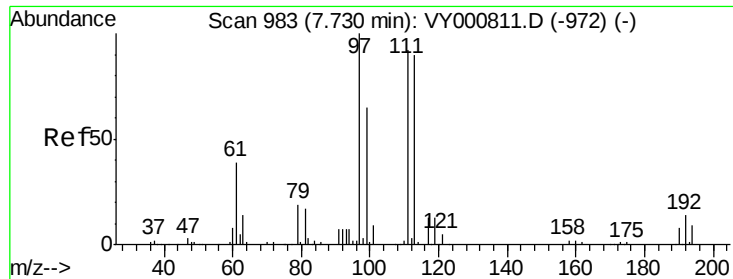
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

88 15.3 0.0 33.2





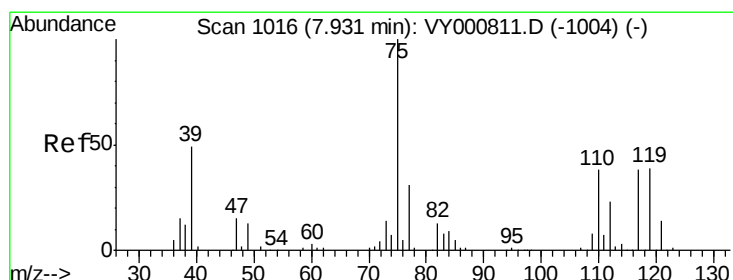
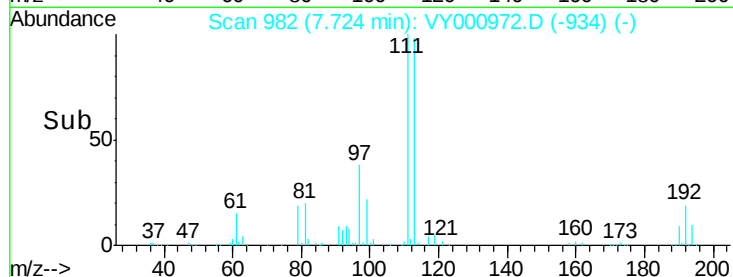
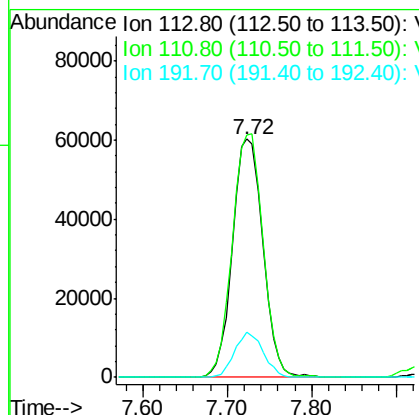
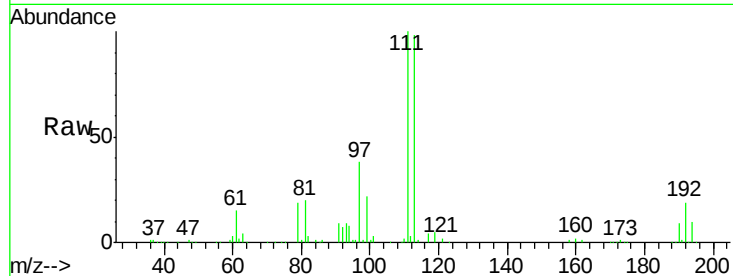
#35
Dibromofluoromethane
Concen: 51.758 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147581		
111	102.8	82.4	123.6	
192	17.8	14.2	21.2	

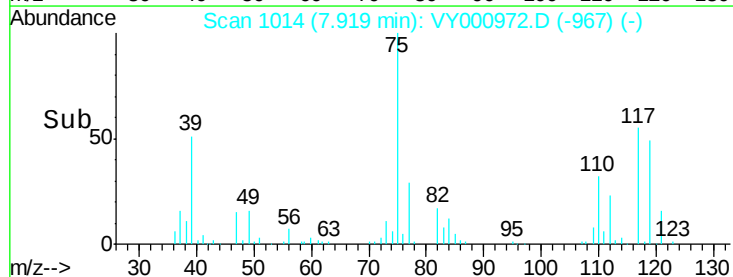
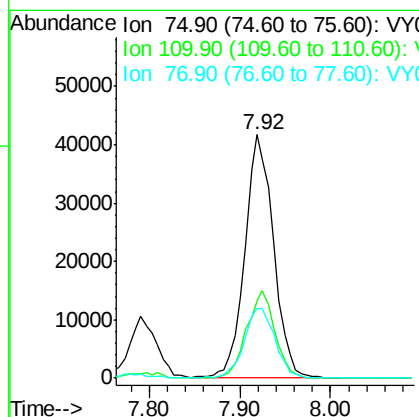
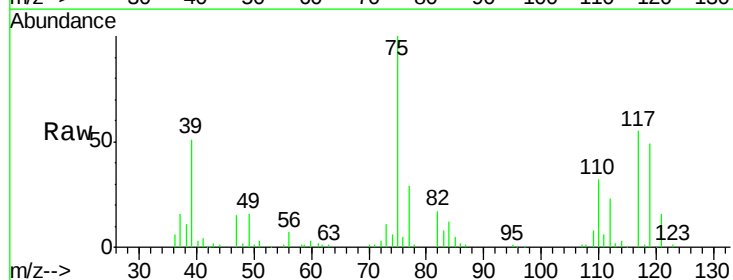
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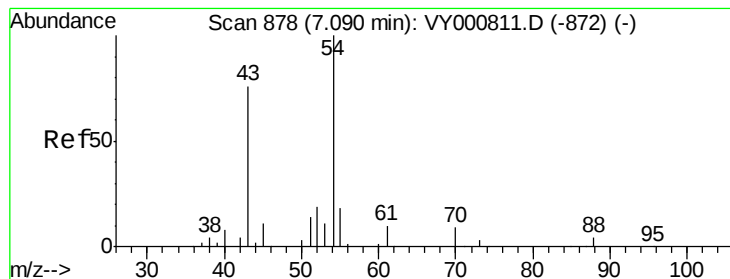
MMDadoda
12/18/2019 1:01:55 PM



#36
1,1-Dichloropropene
Concen: 18.806 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91483		
110	35.2	17.9	53.7	
77	30.8	24.7	37.1	





#37

Ethyl Acetate

Concen: 18.775 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

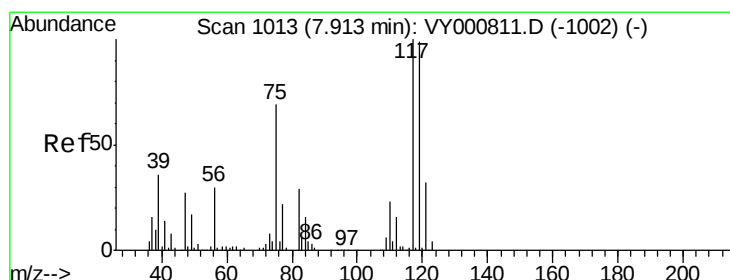
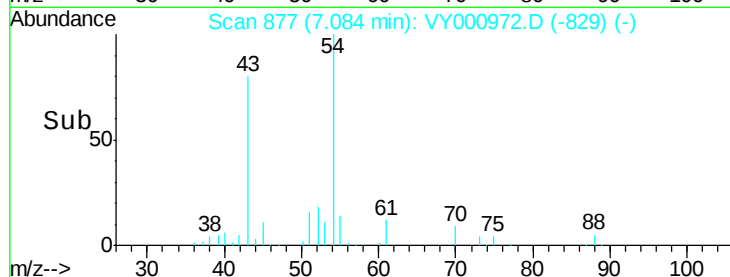
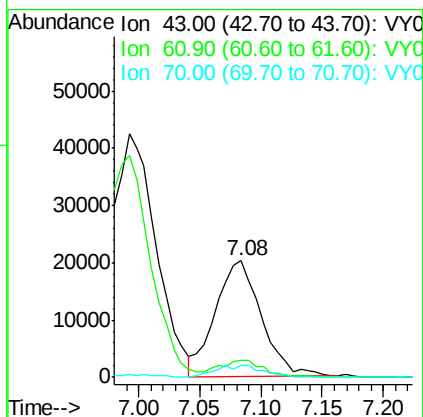
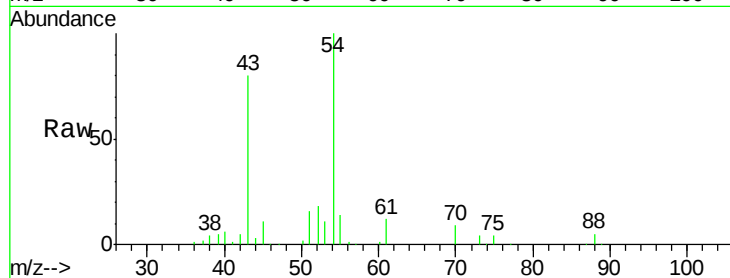
ClientSampleId :

VY1217SBS01

Tot Ion:	43	Resp:	52738
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.8
70	10.7	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 18.779 ug/l

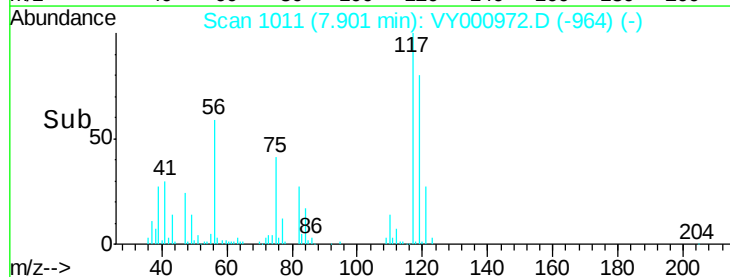
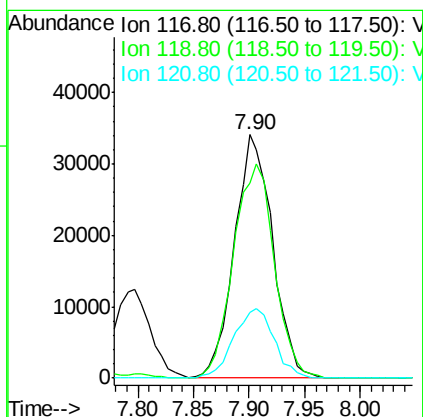
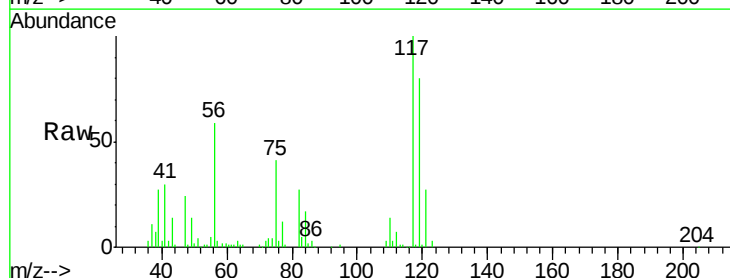
RT: 7.90 min Scan# 1011

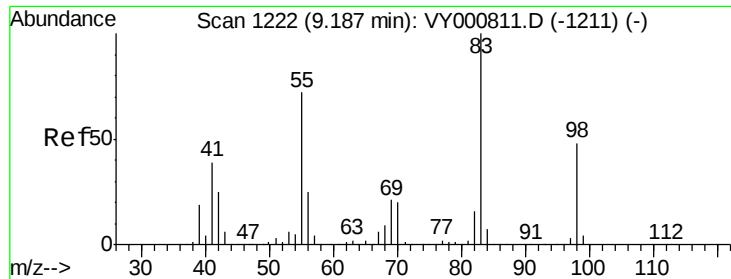
Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	117	Resp:	81357
Ion	Ratio	Lower	Upper
117	100		
119	80.2	79.3	118.9
121	27.2	25.5	38.3





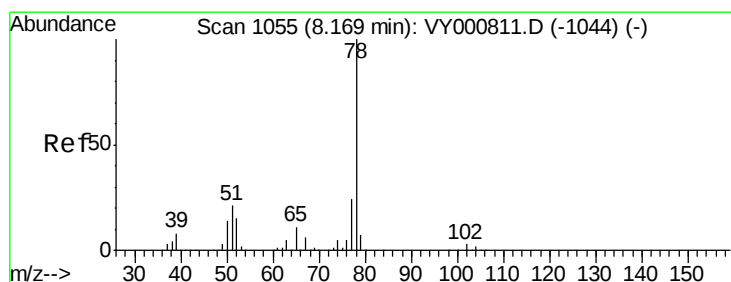
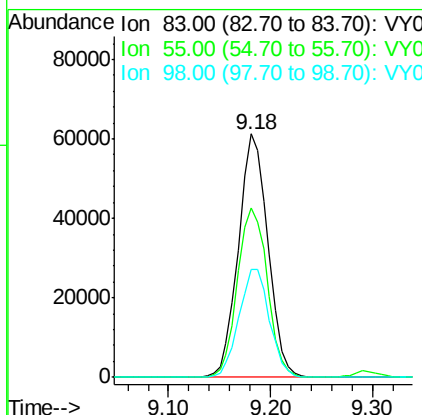
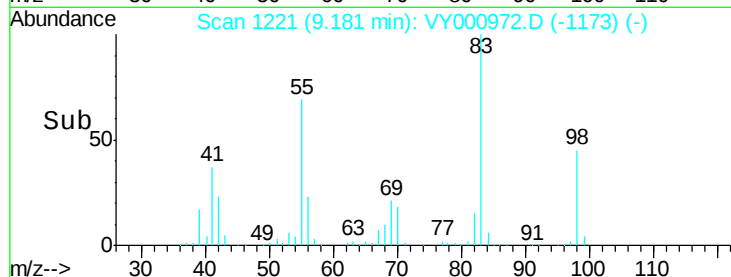
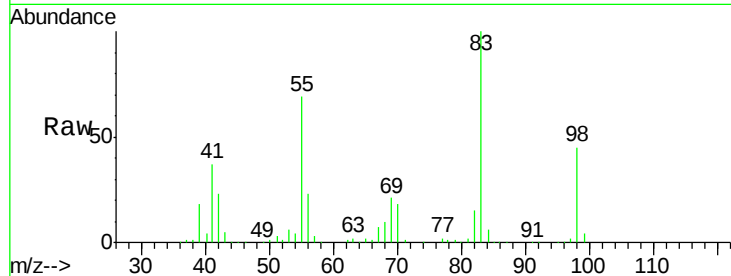
#39
Methvlcvclohexane
Concen: 19.060 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122844		
55	69.5		57.8	86.6
98	44.6		38.6	58.0

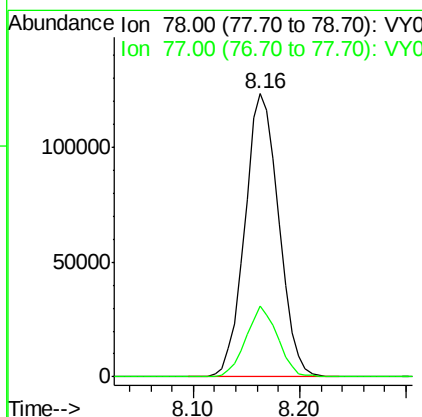
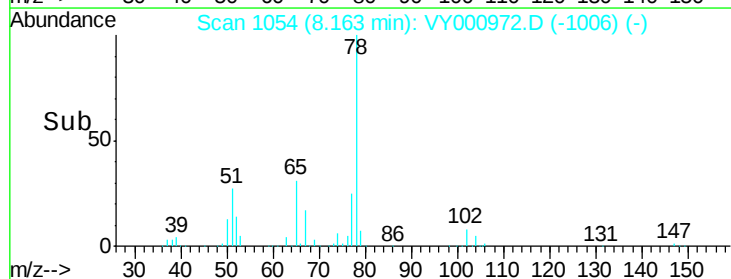
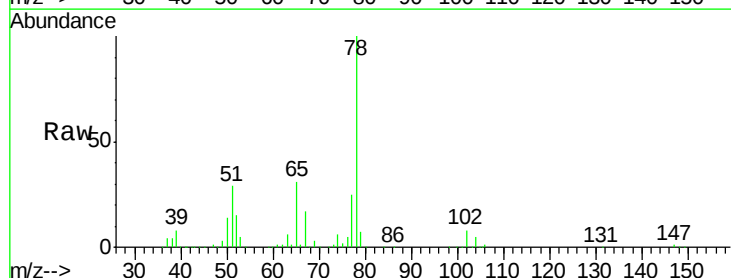
Manual Integrations
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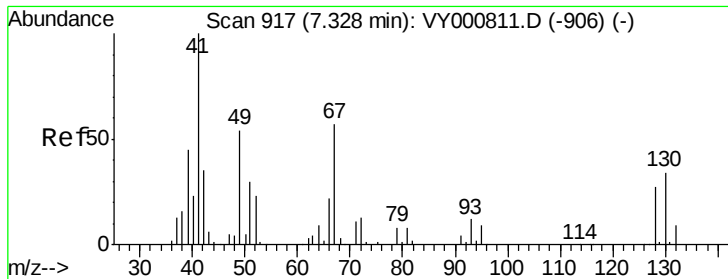
MMDadoda
12/18/2019 1:01:55 PM



#40
Benzene
Concen: 19.492 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	276207		
77	25.0		19.2	28.8





#41

Methacrylonitrile

Concen: 14.760 ug/l m

RT: 7.32 min Scan# 915

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 41 Resp: 21852

Ion Ratio Lower Upper

41 100

39 0.0 95.7 143.5#

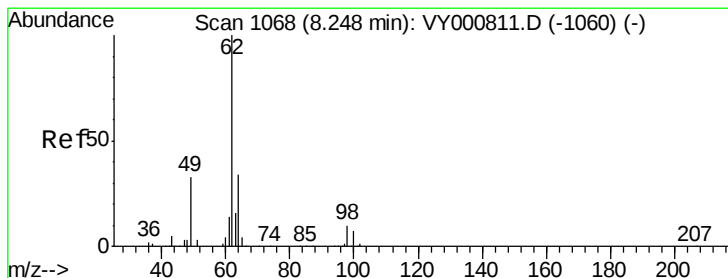
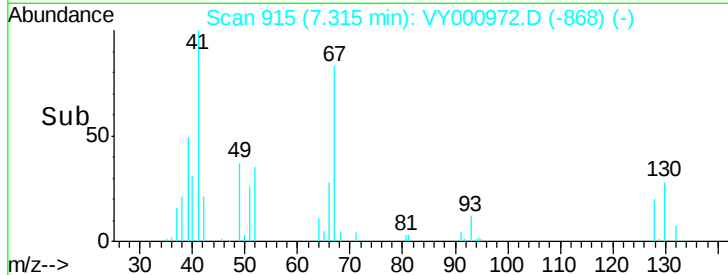
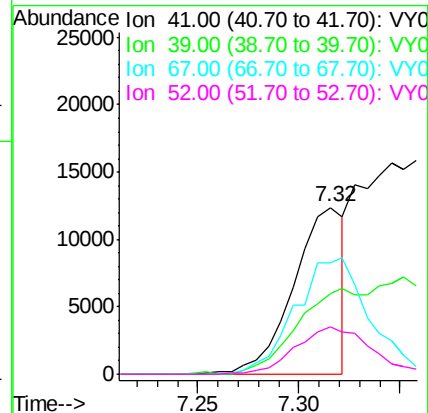
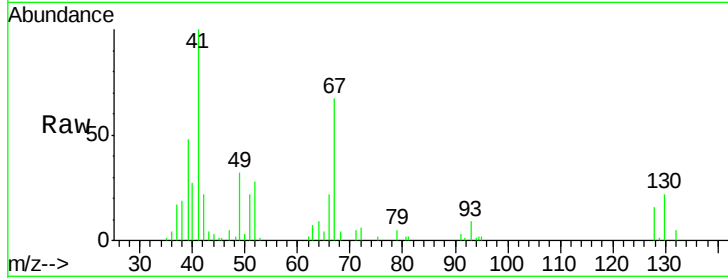
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.729 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000972.D

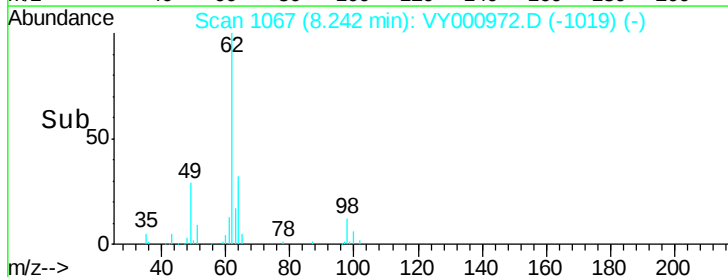
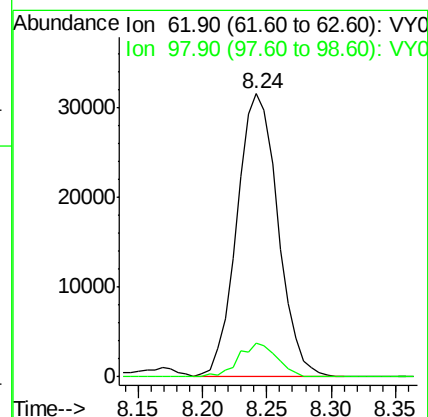
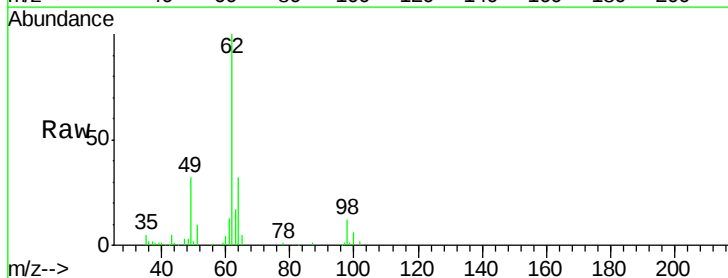
Acq: 17 Dec 2019 12:53

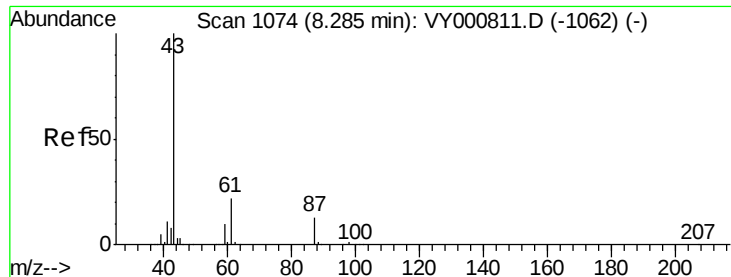
Tgt Ion: 62 Resp: 69793

Ion Ratio Lower Upper

62 100

98 11.3 0.0 21.4





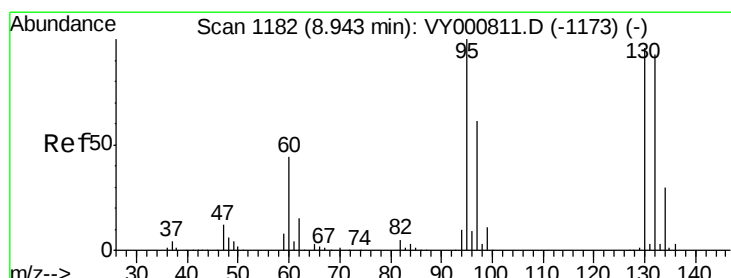
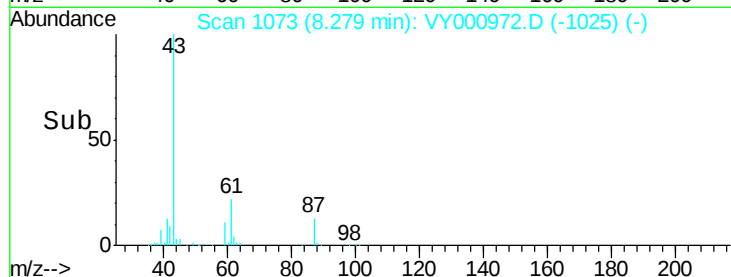
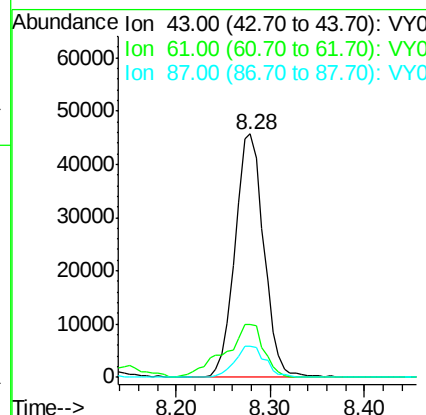
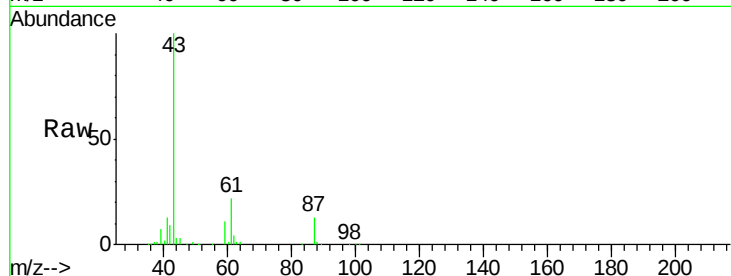
#43
Isopropyl Acetate
Concen: 18.414 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	43	Resp	97473
Ion Ratio	100	Lower	Upper
43	100		
61	29.3	23.7	35.5
87	13.4	10.6	15.8

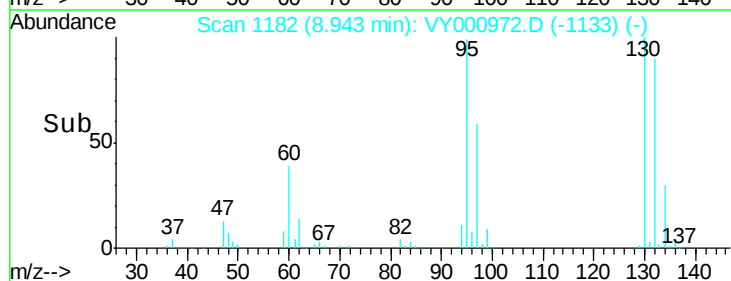
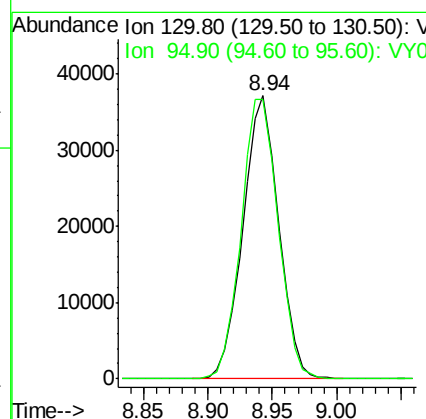
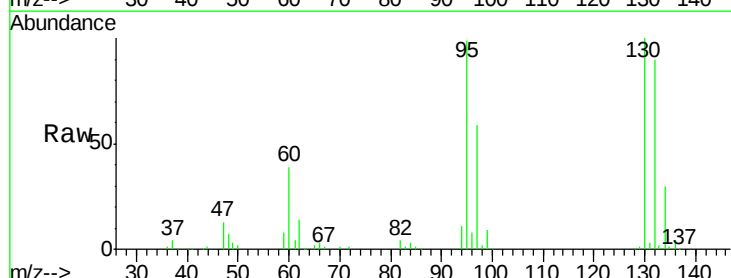
Manual Integrations
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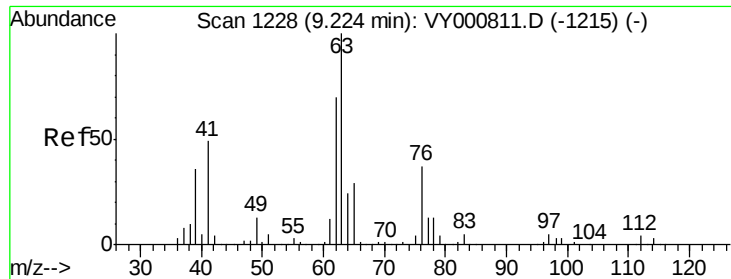
MMDadoda
12/18/2019 1:01:55 PM



#44
Trichloroethene
Concen: 19.529 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	130	Resp	71119
Ion Ratio	100	Lower	Upper
130	100		
95	98.9	0.0	207.8





#45

1,2-Dichloropropane

Concen: 20.005 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 63 Resp: 71203

Ion Ratio Lower Upper

63 100

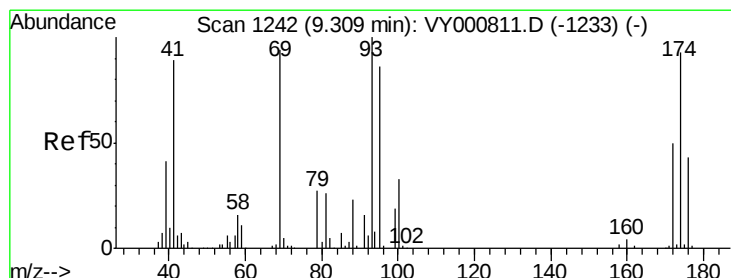
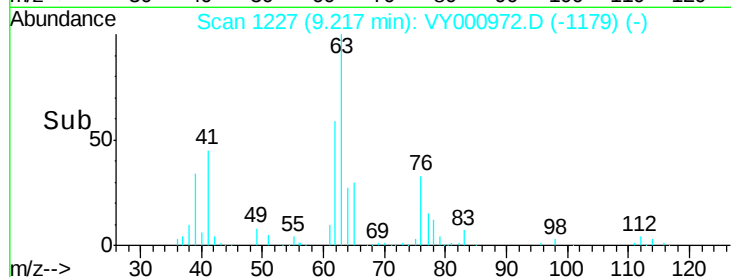
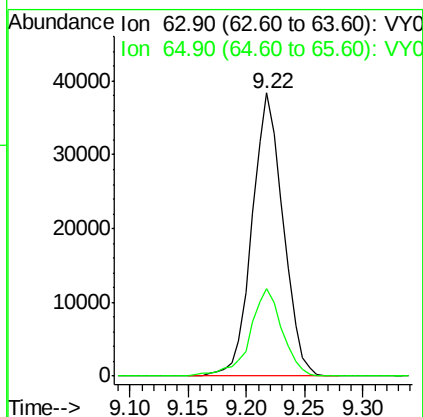
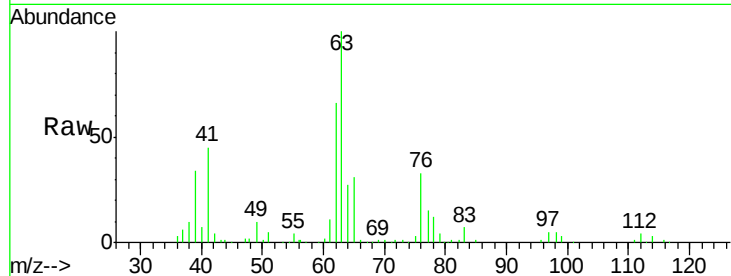
65 30.8 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 19.308 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

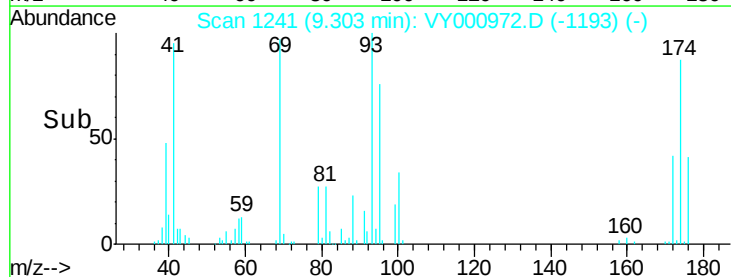
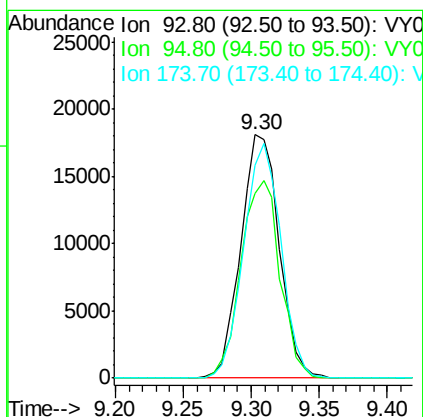
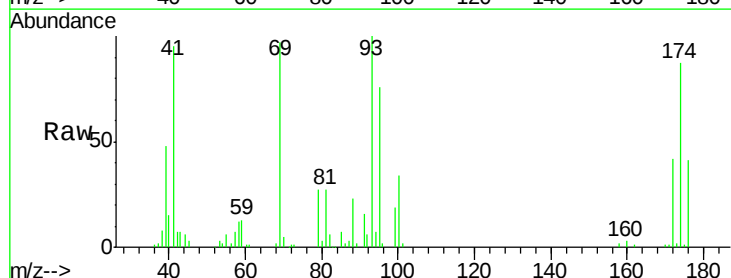
Tgt Ion: 93 Resp: 35907

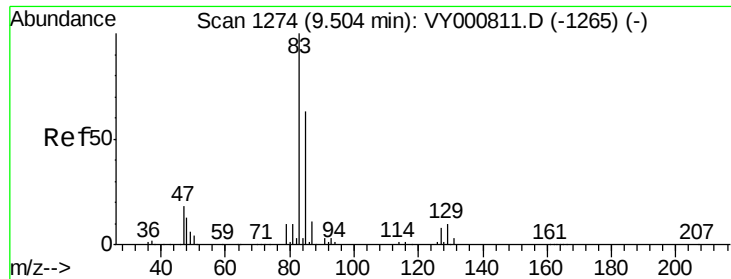
Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

174 93.5 73.0 109.6





#47

Bromodichloromethane

Concen: 18.975 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

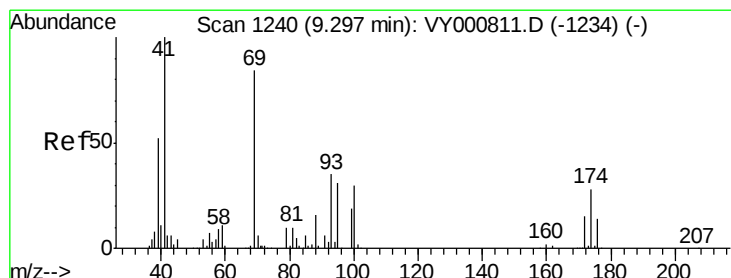
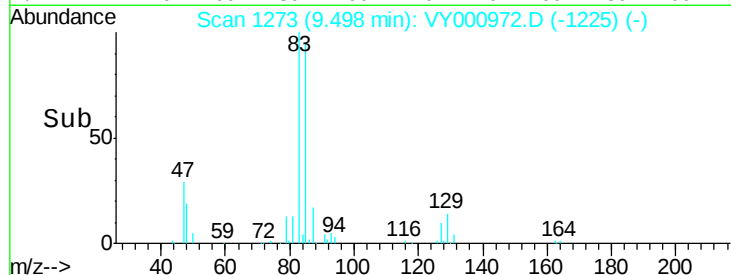
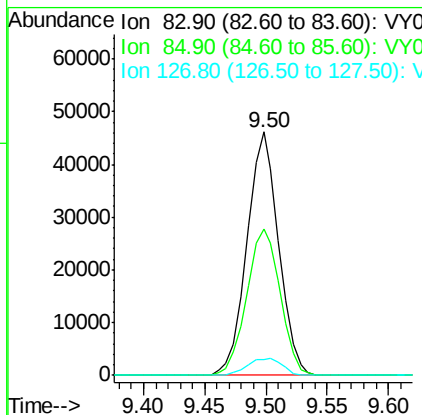
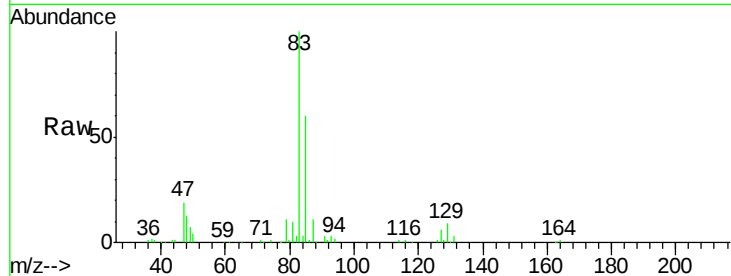
ClientSampleId :

VY1217SBS01

Tot Ion:	83	Resp:	82896
Ion Ratio	Lower	Upper	
83	100		
85	60.1	50.8	76.2
127	6.5	6.6	10.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.545 ug/l

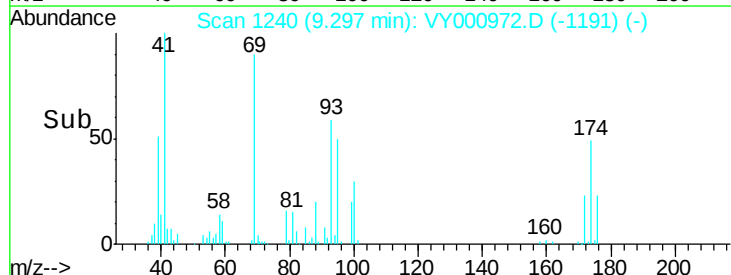
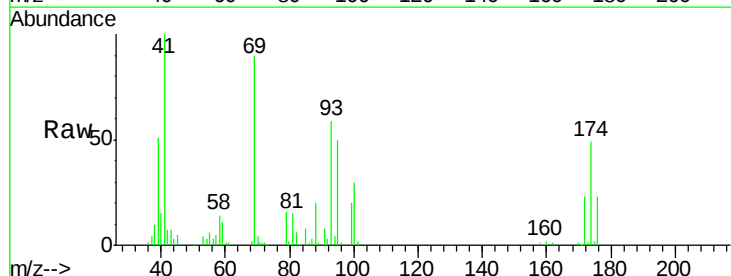
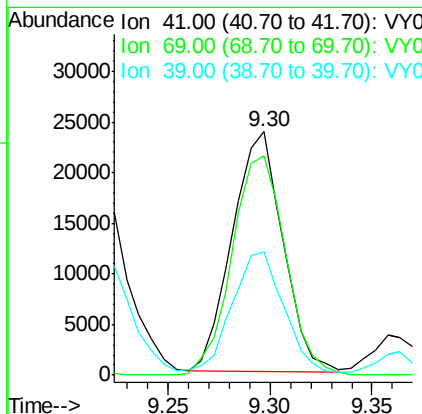
RT: 9.30 min Scan# 1240

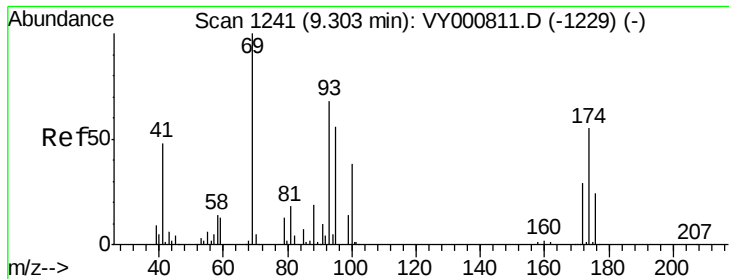
Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	41	Resp:	40840
Ion Ratio	Lower	Upper	
41	100		
69	96.7	70.4	105.6
39	51.2	40.9	61.3





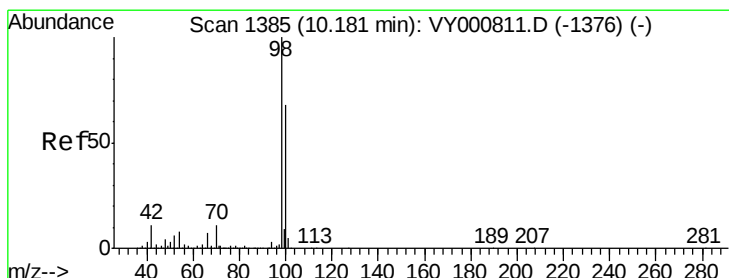
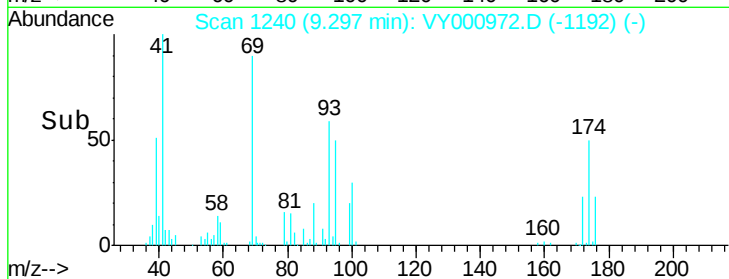
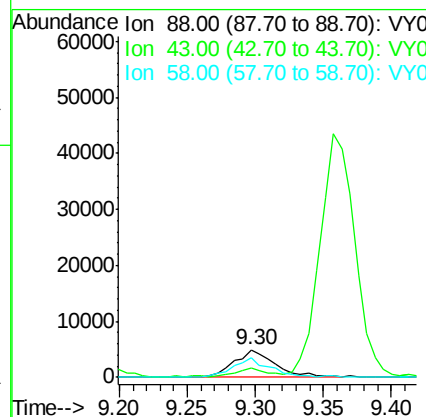
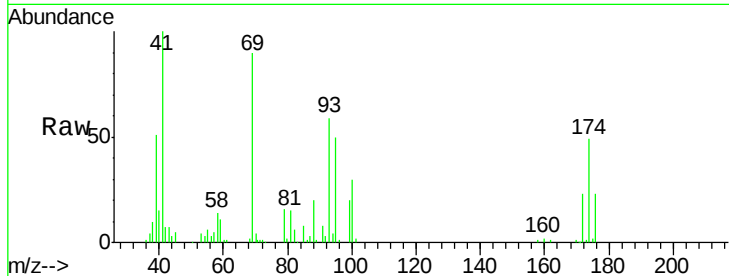
#49
1,4-Dioxane
Concen: 388.536 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	21.1	31.7
58	65.5	50.7	76.1

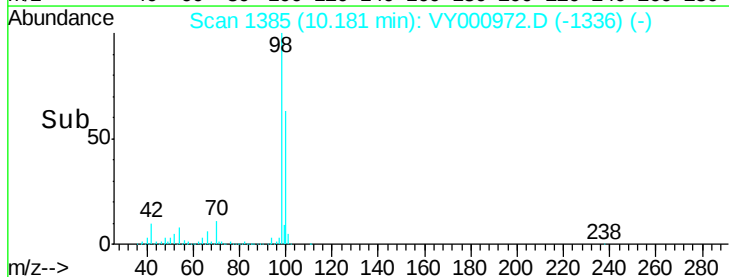
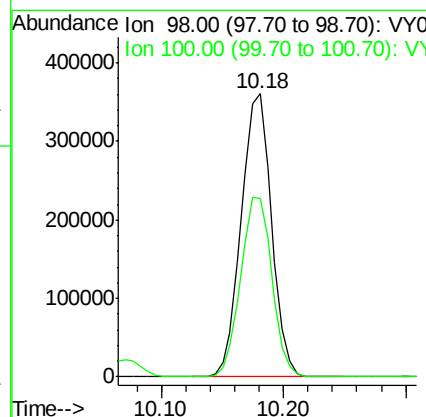
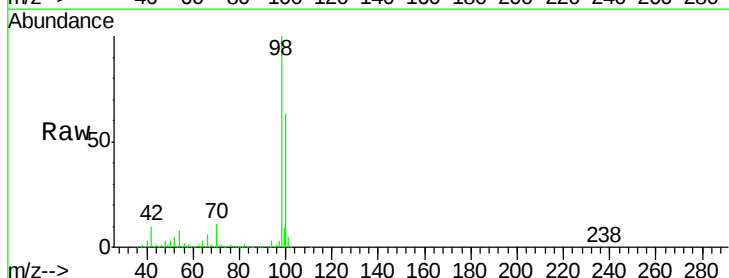
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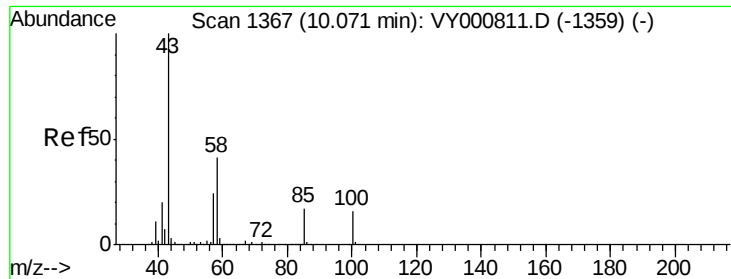
MMDadoda
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#50
Toluene-d8
Concen: 54.249 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 95.778 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 43 Resp: 261950

Ion Ratio Lower Upper

43 100

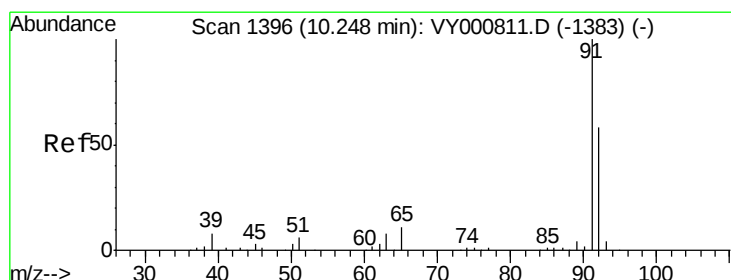
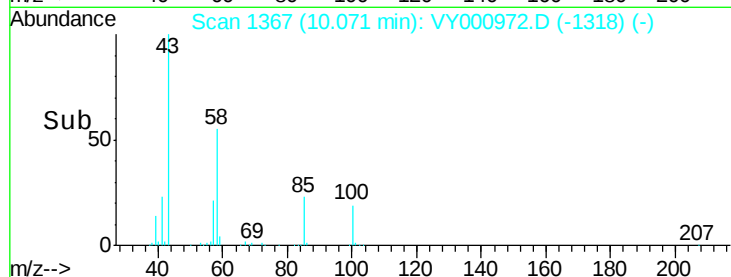
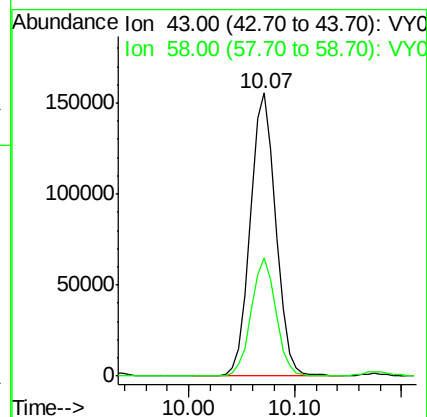
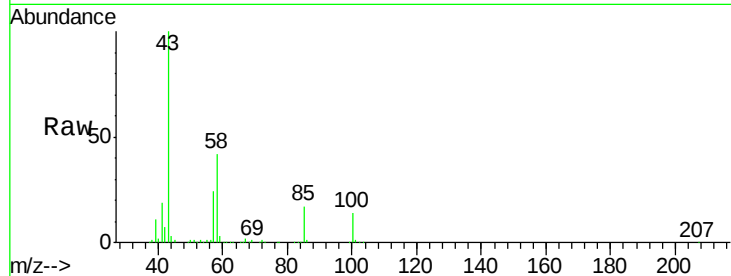
58 40.4 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 19.342 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000972.D

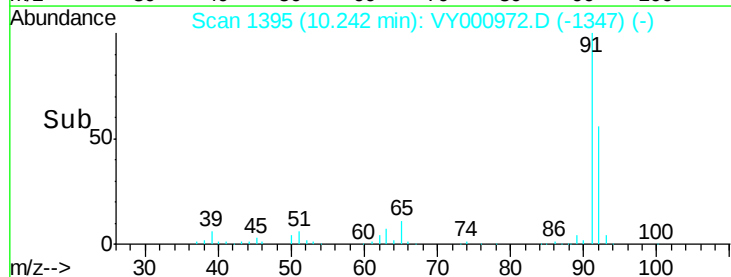
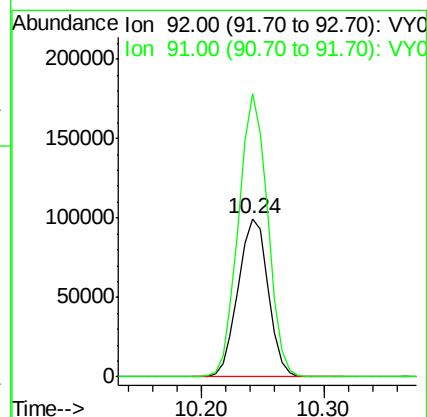
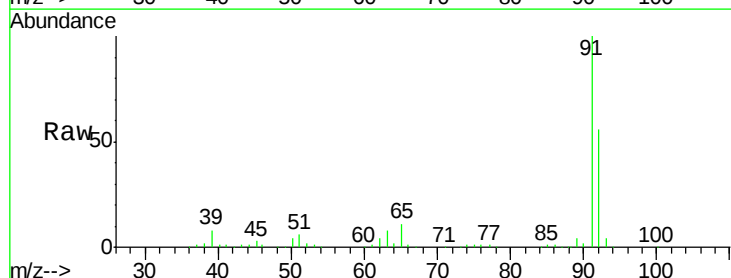
Acq: 17 Dec 2019 12:53

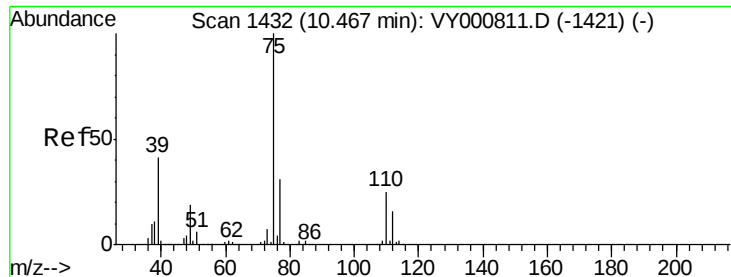
Tgt Ion: 92 Resp: 169699

Ion Ratio Lower Upper

92 100

91 173.0 136.6 204.8





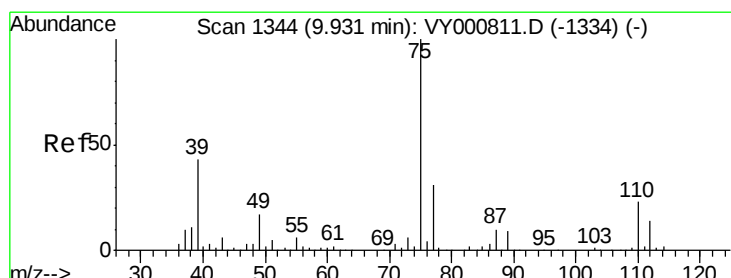
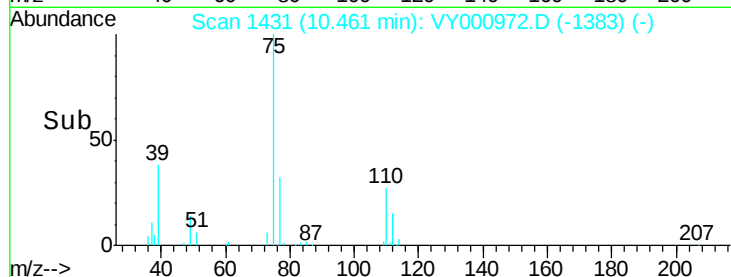
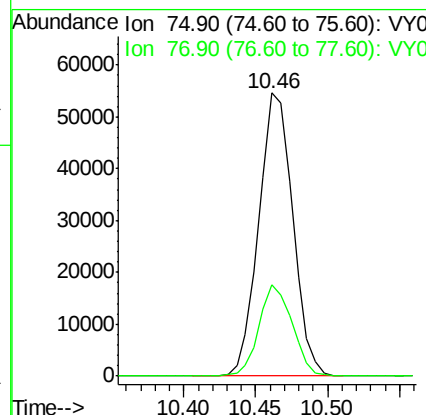
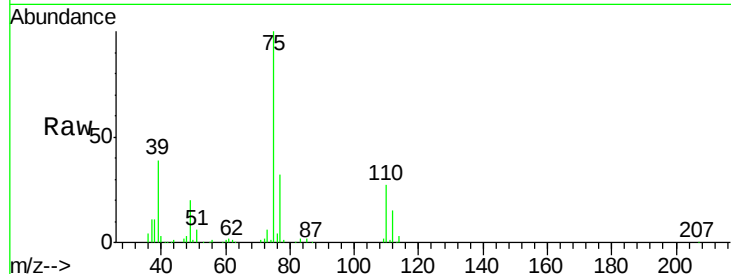
#53
t-1,3-Dichloropropene
Concen: 19.029 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion: 75 Resp: 89316
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

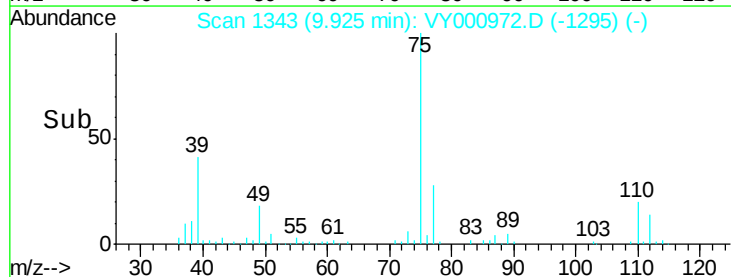
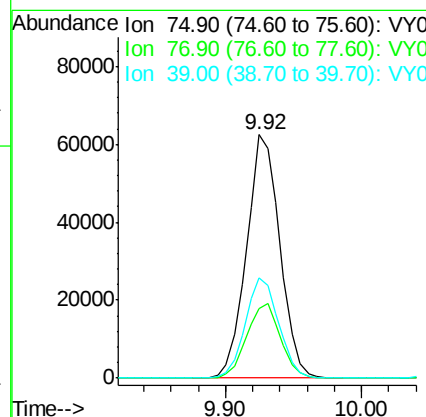
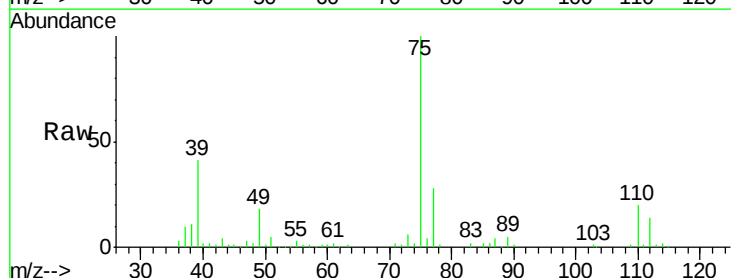
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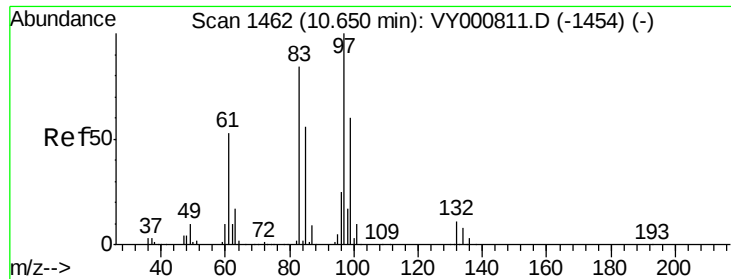
MMDadoda
12/18/2019 1:01:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion: 75 Resp: 106858
Ion Ratio Lower Upper
75 100
77 28.4 24.7 37.1
39 41.0 34.5 51.7





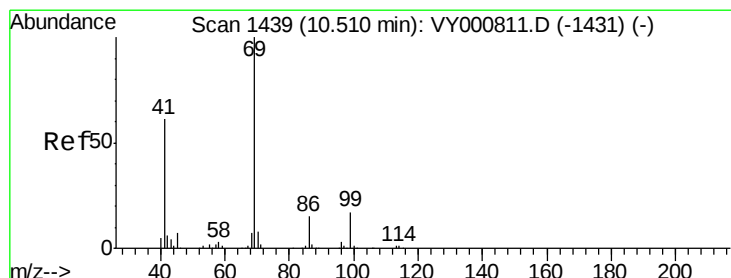
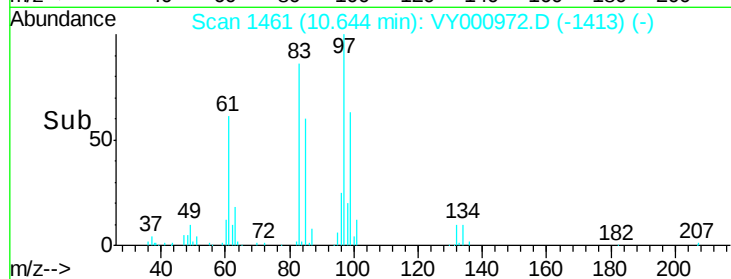
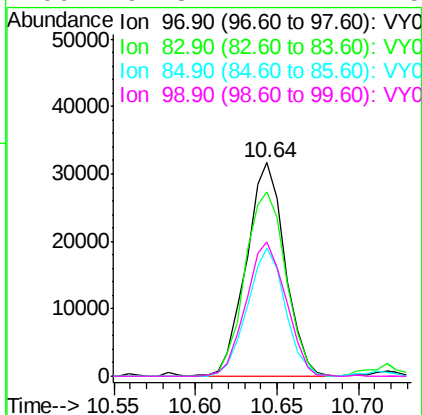
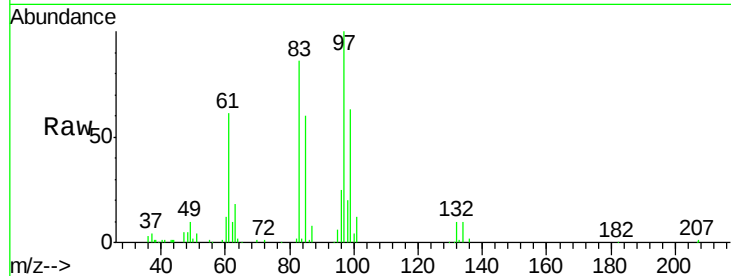
#55
 1,1,2-Trichloroethane
 Concen: 18.978 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion:	97	Resp:	52142
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.5	101.3
85	60.0	44.5	66.7
99	62.8	47.7	71.5

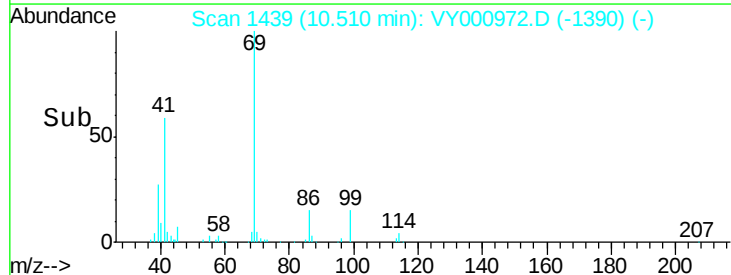
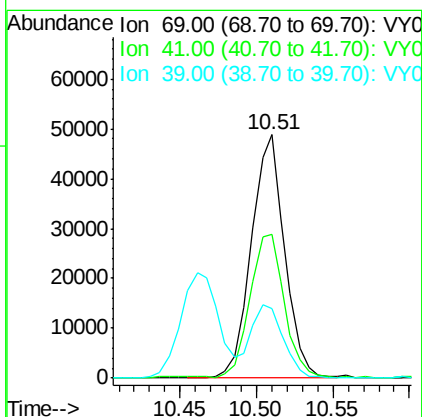
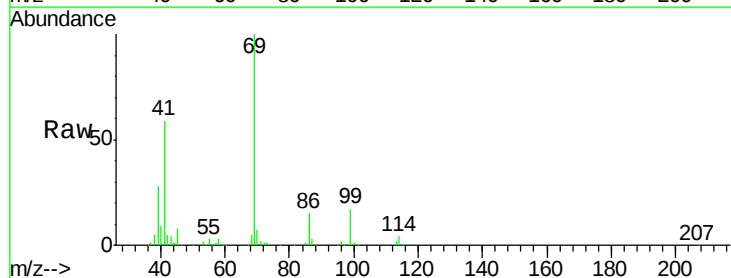
Manual Integrations
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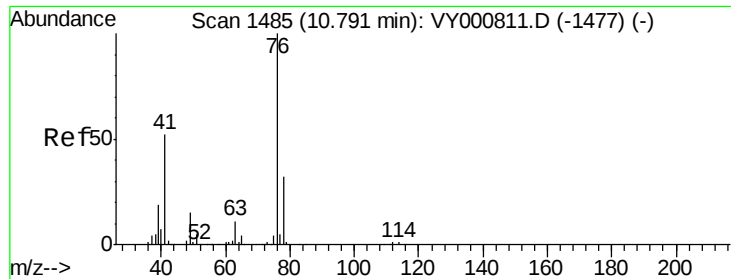
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 12/18/2019 1:01:55 PM



#56
 Ethyl methacrylate
 Concen: 18.804 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion:	69	Resp:	73908
Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.0	73.6
39	30.4	23.1	34.7





#57

1,3-Dichloropropane

Concen: 19.557 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 76 Resp: 93654

Ion Ratio Lower Upper

76 100

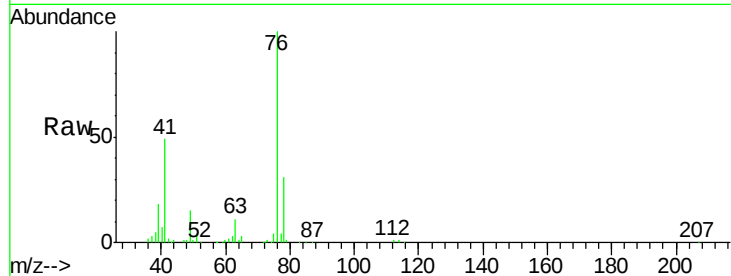
78 31.1 26.4 39.6

Manual Integrations

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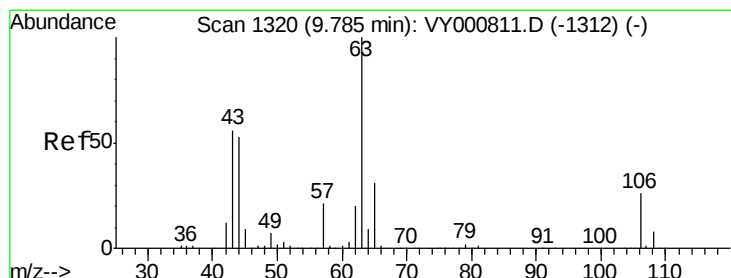
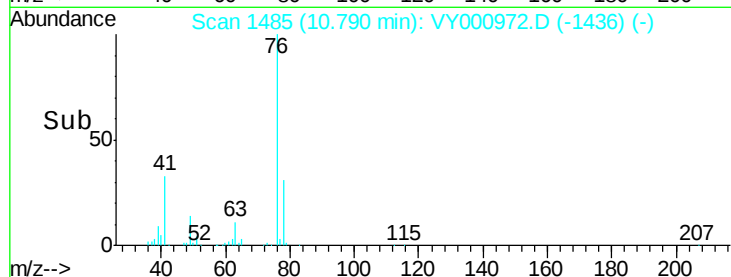
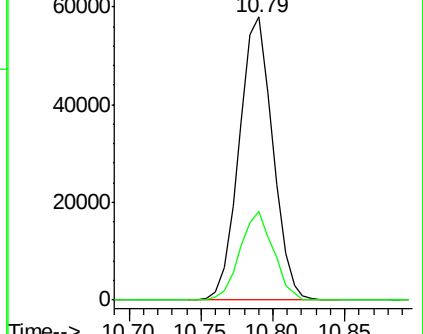
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 108.645 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY000972.D

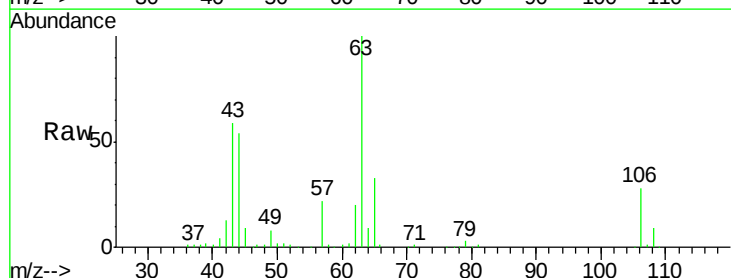
Acq: 17 Dec 2019 12:53

Tgt Ion: 63 Resp: 172182

Ion Ratio Lower Upper

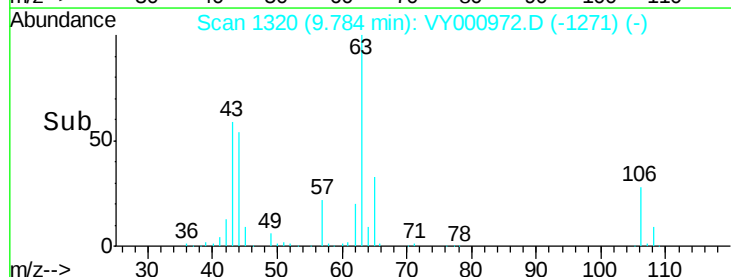
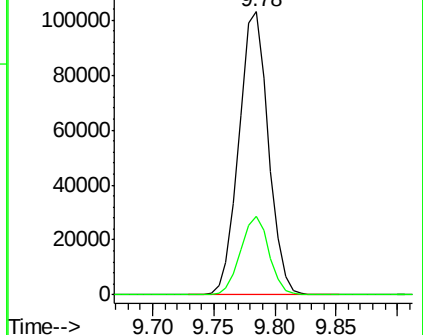
63 100

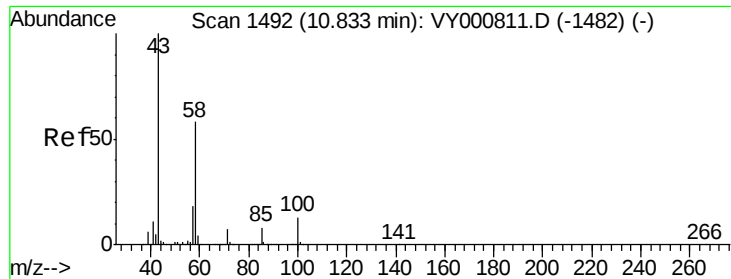
106 26.9 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





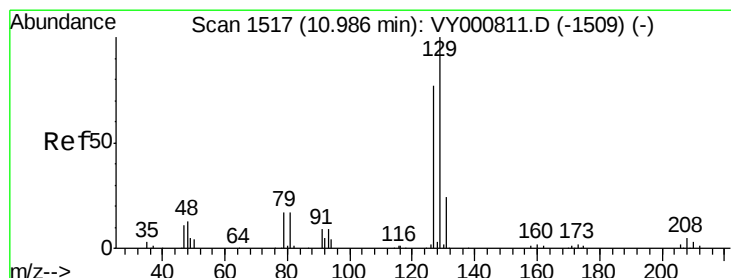
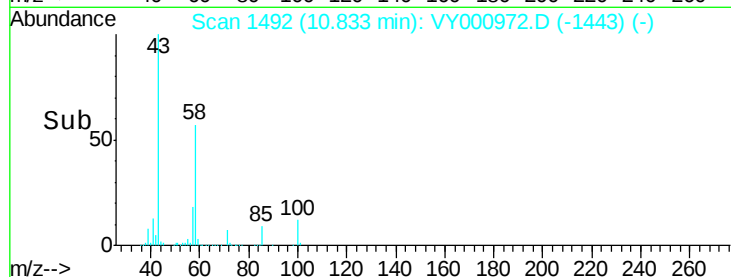
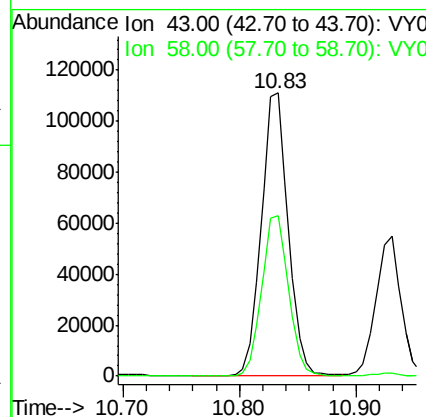
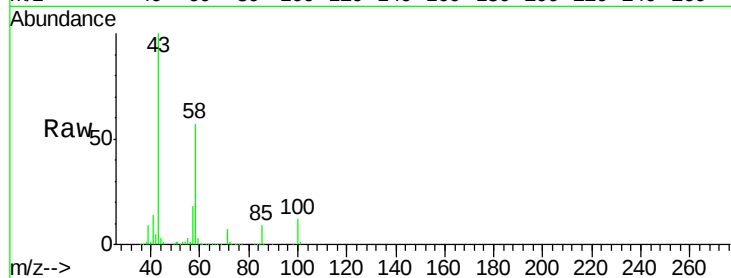
#59
2-Hexanone
Concen: 89.210 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion: 43 Resp: 177786
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.1

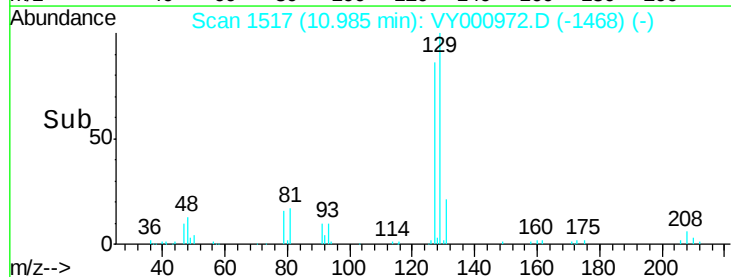
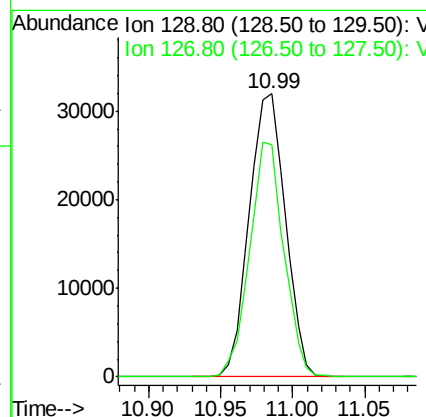
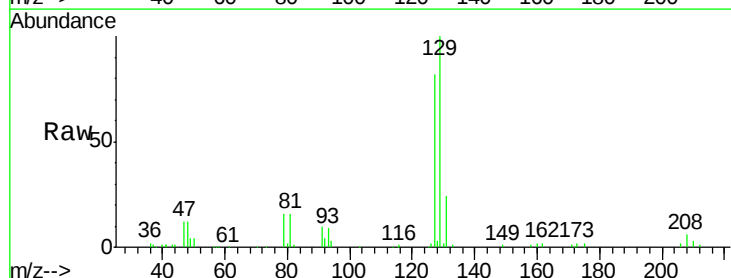
Manual Integrations
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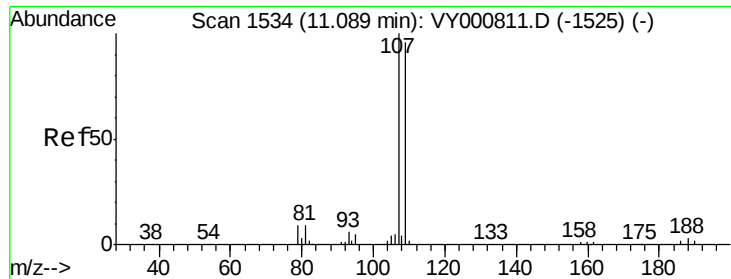
MMDadoda
12/18/2019 1:01:55 PM



#60
Dibromochloromethane
Concen: 18.776 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion: 129 Resp: 55535
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





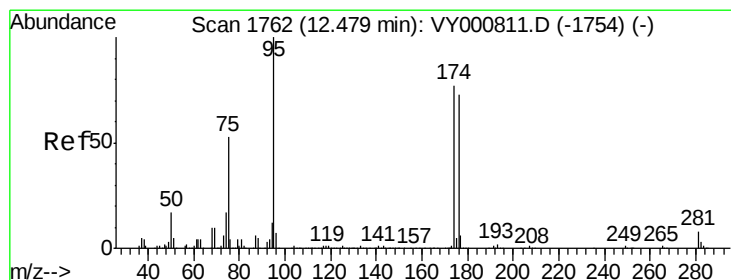
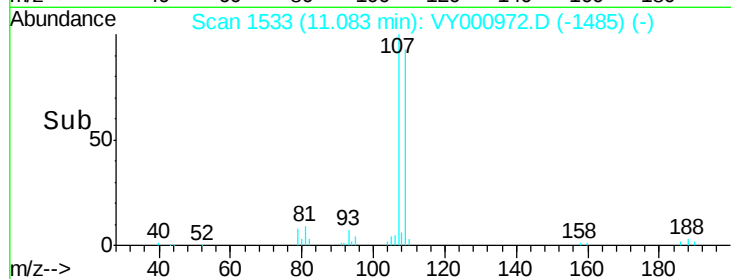
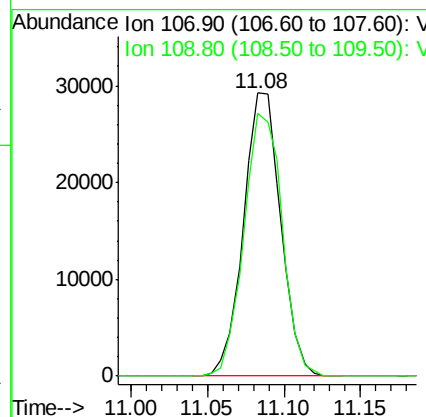
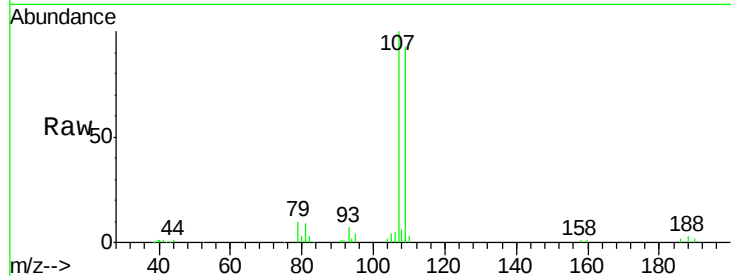
#61
 1,2-Dibromoethane
 Concen: 19.108 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.9	113.9

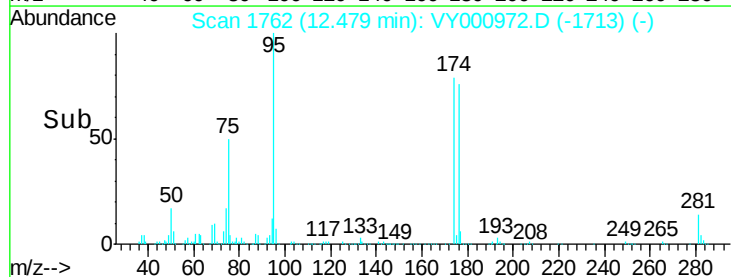
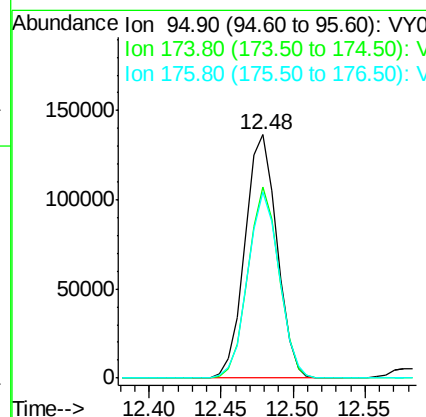
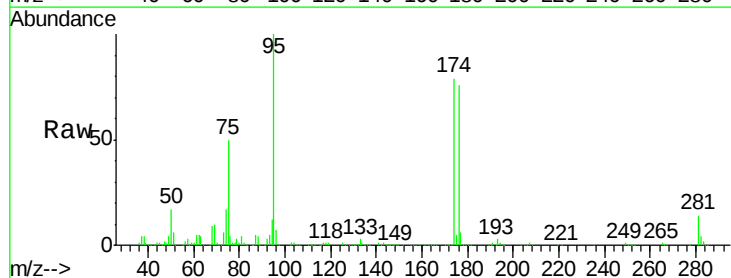
Manual Integrations
 APPROVED

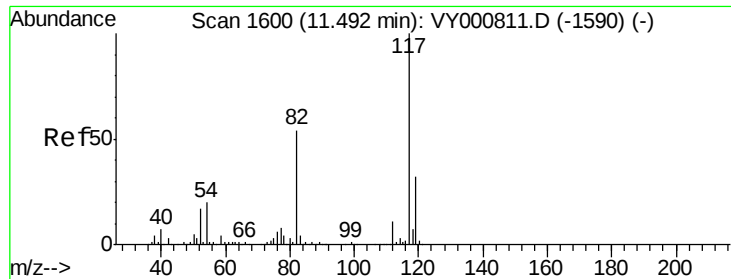
MMDadoda
 12/18/2019 1:01:55 PM



#62
 4-Bromofluorobenzene
 Concen: 49.087 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	75.2	0.0	145.2





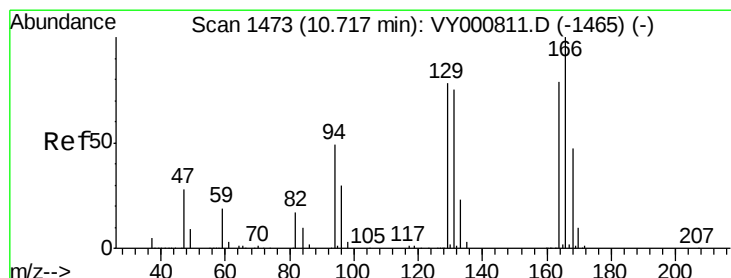
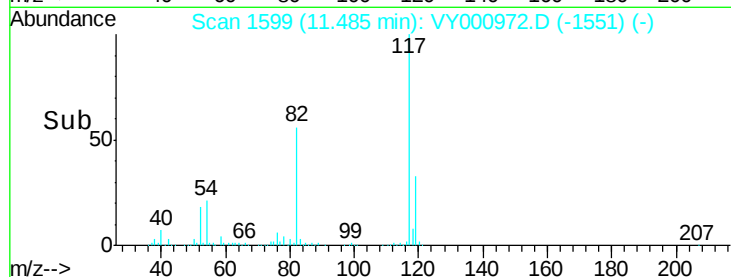
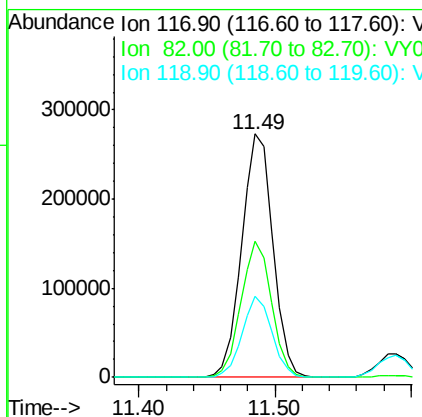
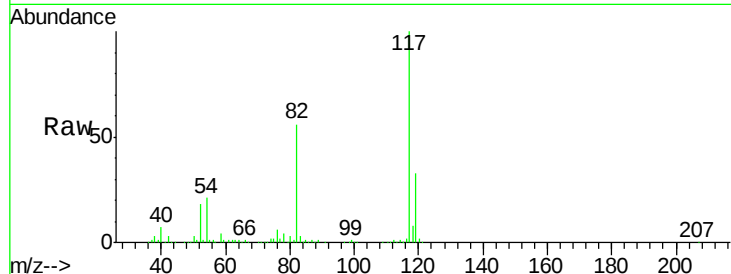
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.1	64.7
119	33.2	25.3	37.9

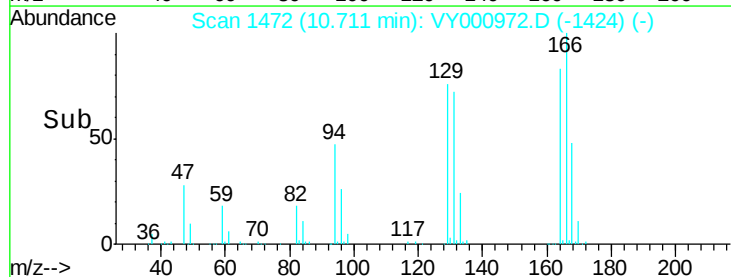
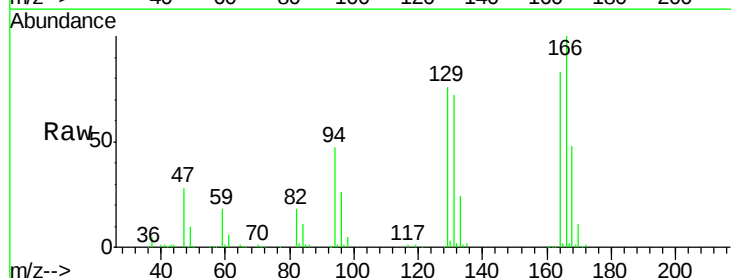
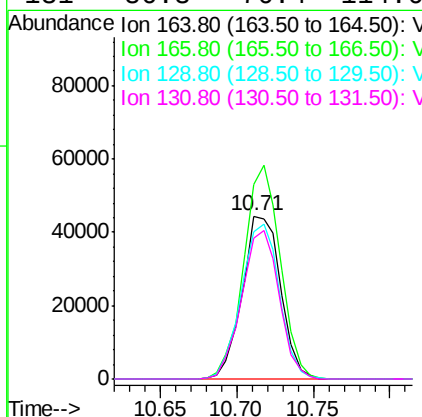
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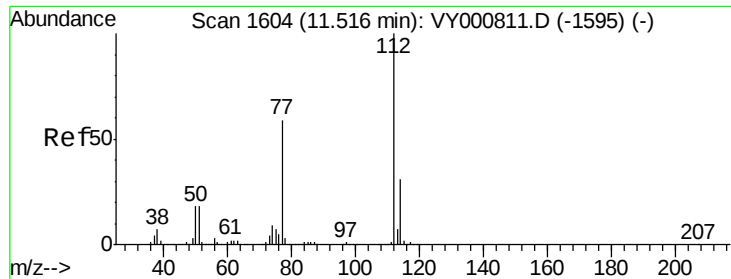
MMDadoda
12/18/2019 1:01:55 PM



#64
Tetrachloroethene
Concen: 20.345 ug/l
RT: 10.71 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.8	101.8	152.8
129	90.9	79.3	118.9
131	86.3	76.4	114.6





#65

Chlorobenzene

Concen: 19.208 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion:112 Resp: 174221

Ion Ratio Lower Upper

112 100

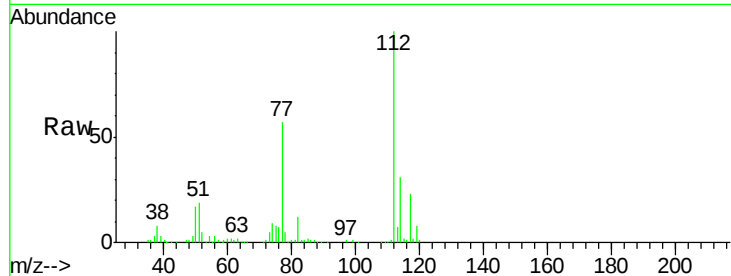
114 31.4 25.1 37.7

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.51

120000

100000

80000

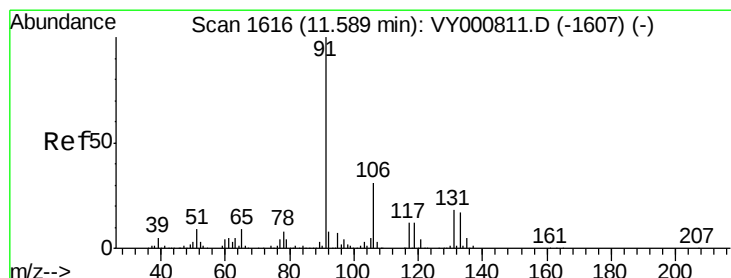
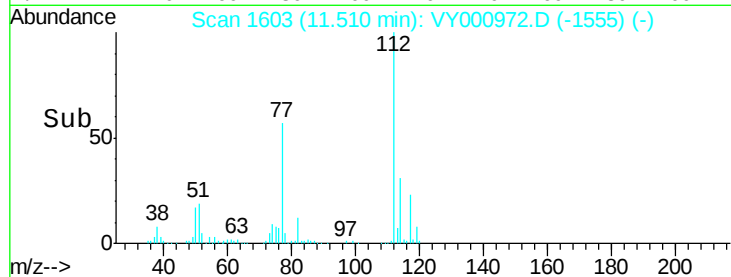
60000

40000

20000

0

Time--> 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 19.252 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

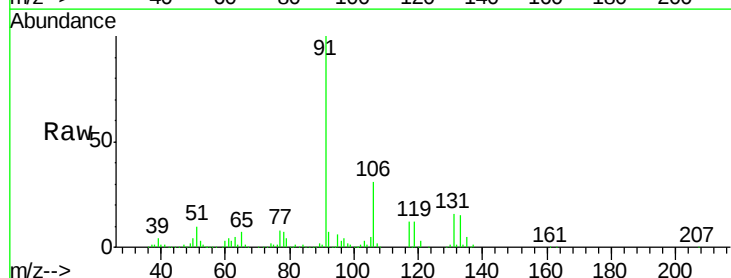
Tgt Ion:131 Resp: 58847

Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.2

119 69.3 33.8 101.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

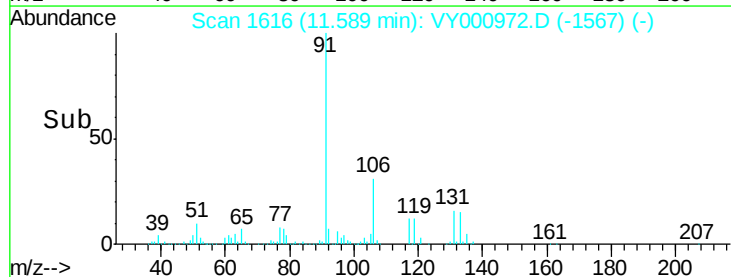
60000

40000

20000

0

Time--> 11.50 11.55 11.60 11.65





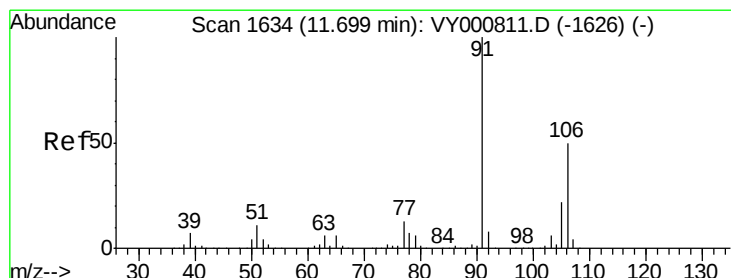
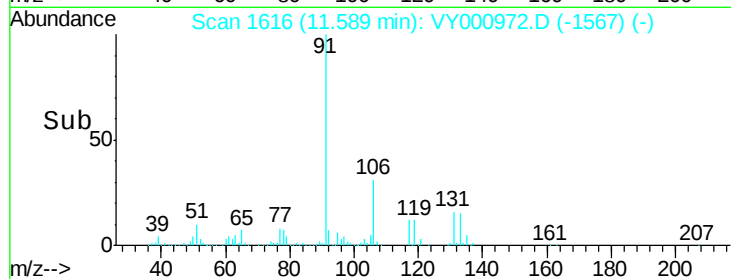
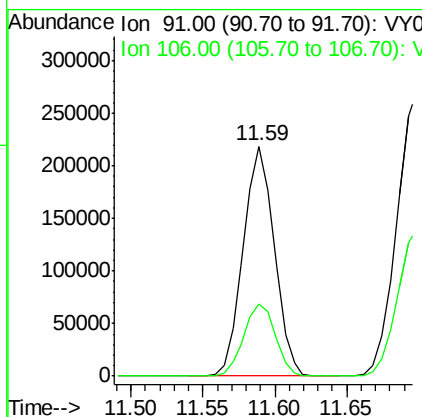
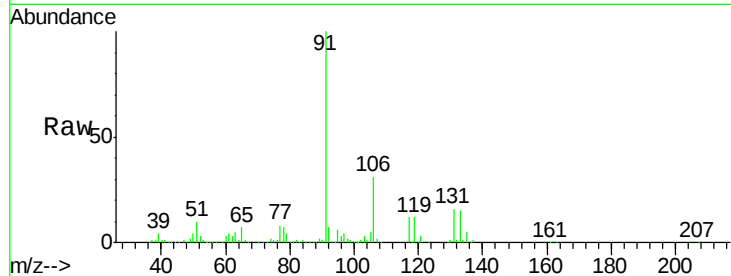
#67
Ethyl Benzene
Concen: 19.443 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion: 91 Resp: 328421
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

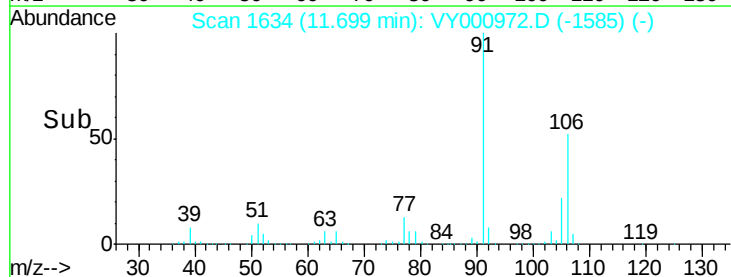
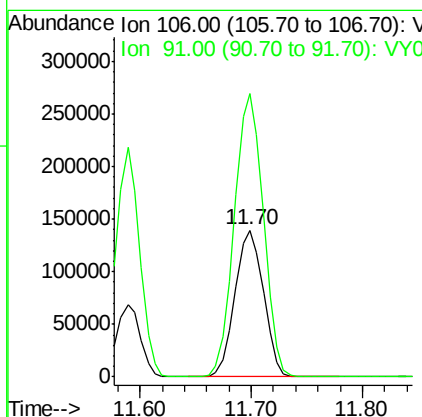
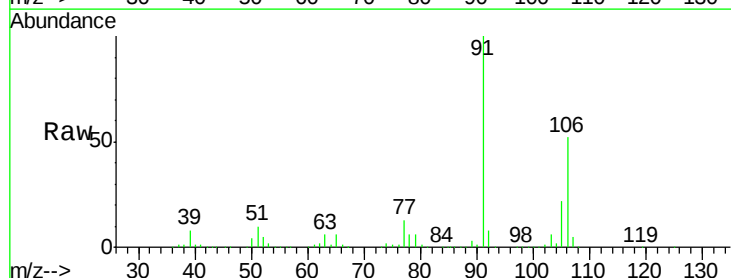
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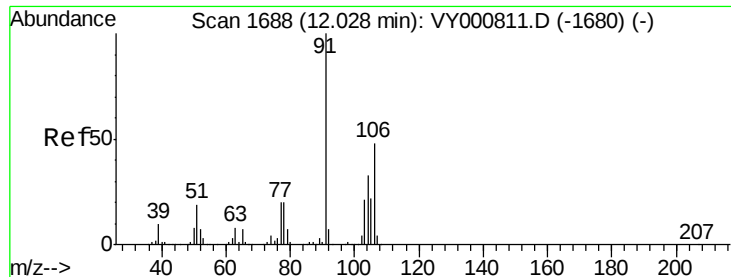
MMDadoda
12/18/2019 1:01:55 PM



#68
m/p-Xylenes
Concen: 39.031 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion: 106 Resp: 247464
Ion Ratio Lower Upper
106 100
91 195.7 159.6 239.4





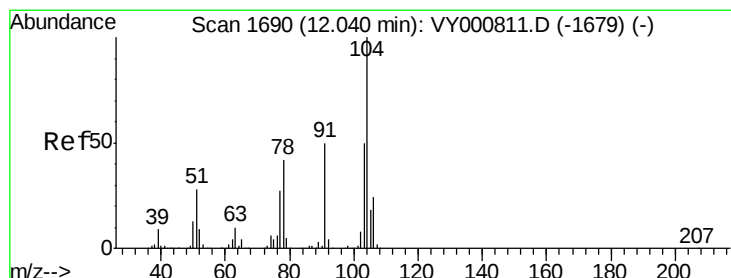
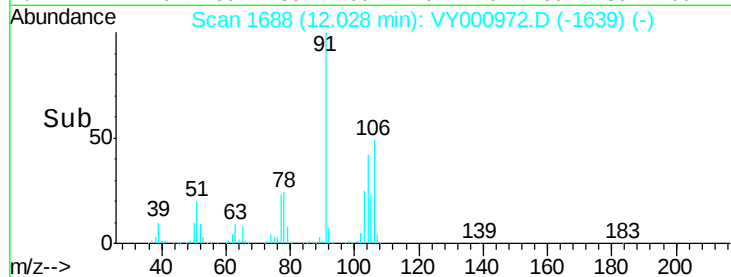
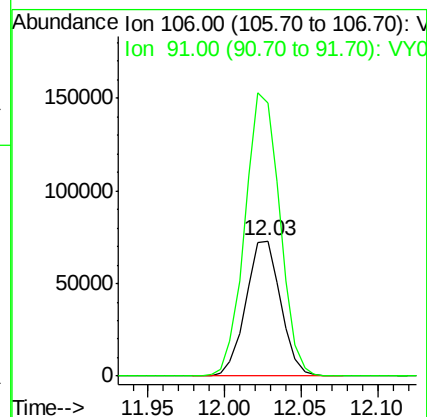
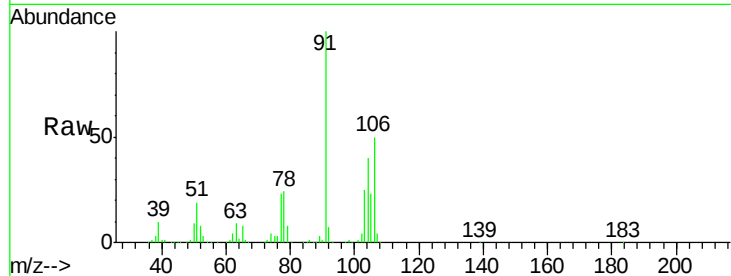
#69
o-Xylene
Concen: 19.585 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		115780		
91	208.9	106.1	318.1		

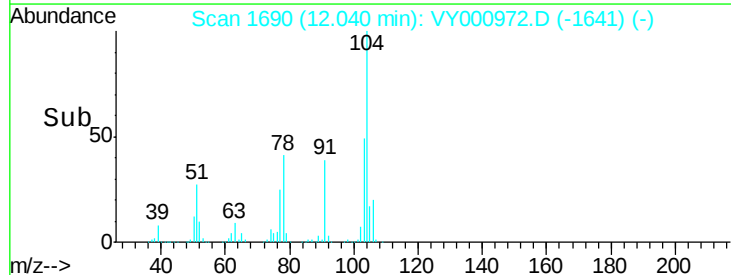
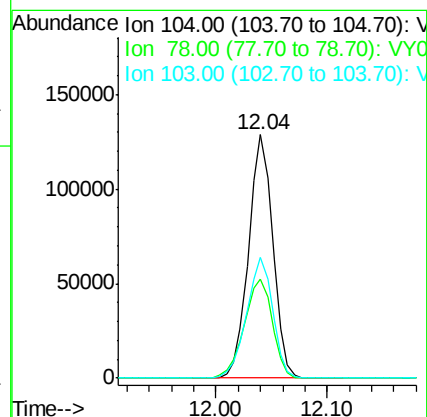
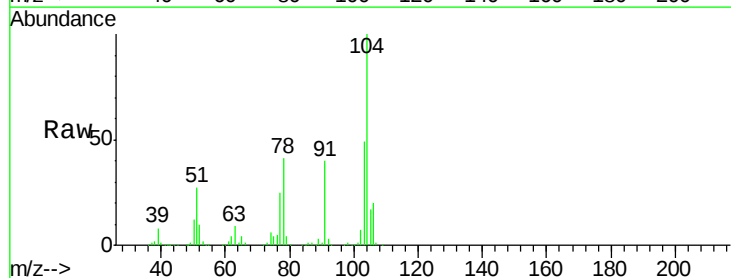
Manual Integrations
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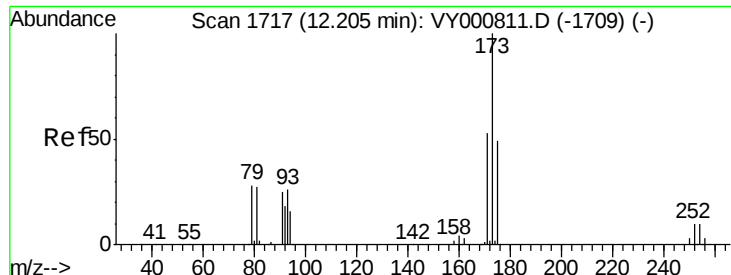
MMDadoda
12/18/2019 1:01:55 PM



#70
Styrene
Concen: 19.316 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		195528		
78	46.9	38.2	57.4		
103	53.3	43.4	65.0		





#71

Bromoform

Concen: 18.731 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

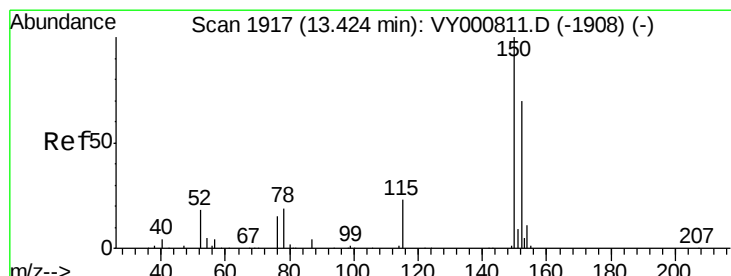
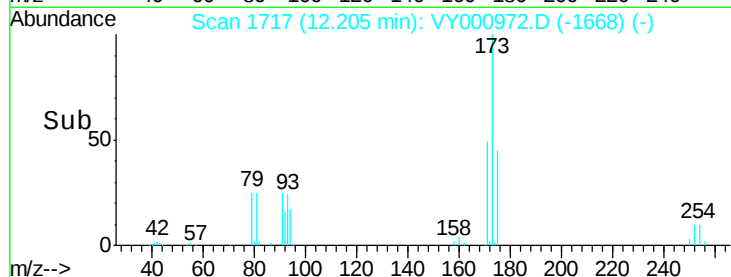
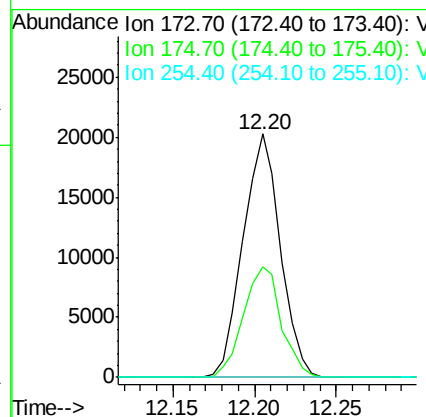
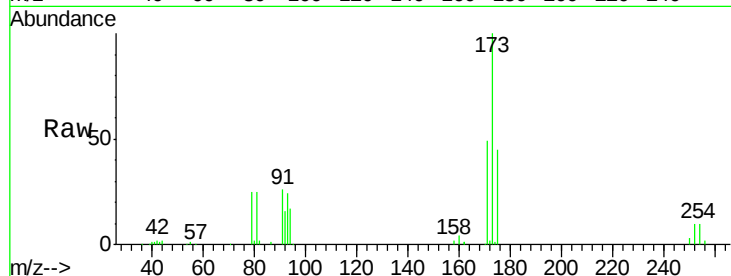
ClientSampleId :

VY1217SBS01

Tot Ion:	173	Resp:	32291
Ion Ratio	Lower	Upper	
173	100		
175	46.2	24.5	73.5
254	0.0	0.0	0.0

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12/18/2019 1:01:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

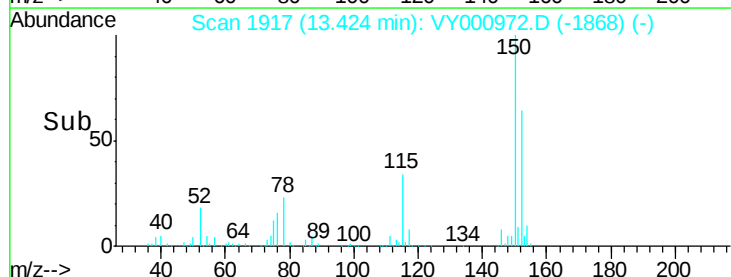
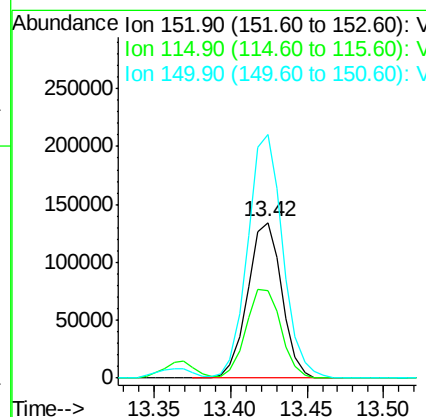
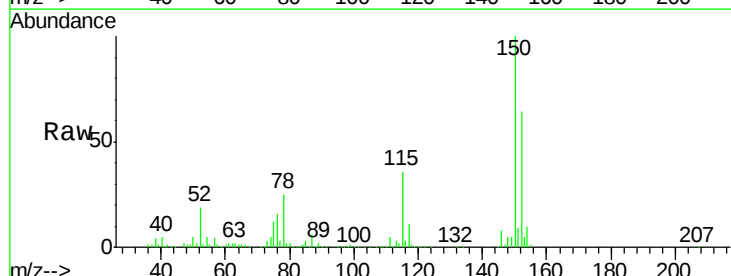
RT: 13.42 min Scan# 1917

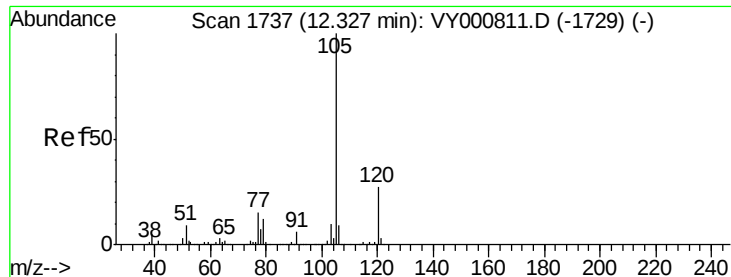
Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	152	Resp:	207906
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.3	87.8
150	161.1	0.0	351.2





#73

Isopropylbenzene

Concen: 18.625 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion:105 Resp: 308318

Ion Ratio Lower Upper

105 100

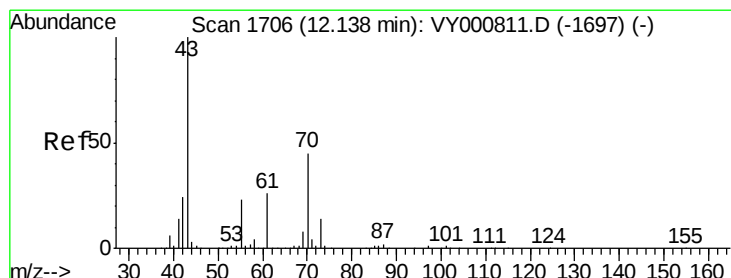
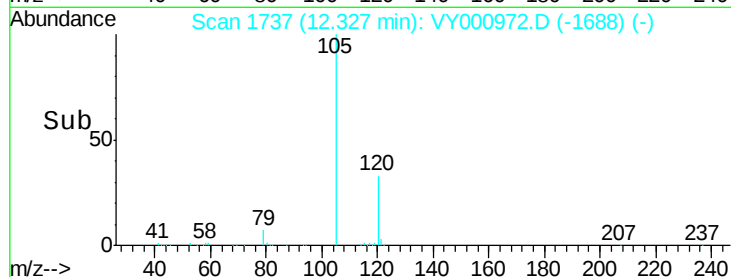
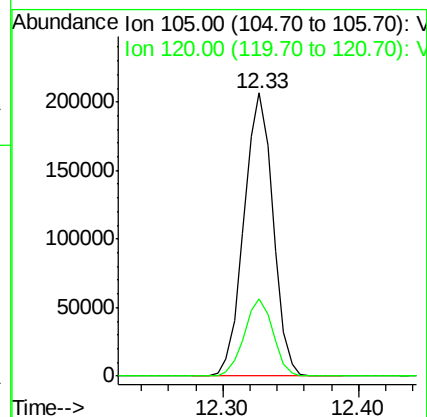
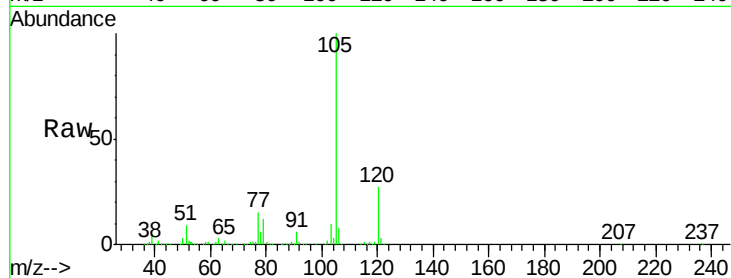
120 27.1 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.347 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion: 43 Resp: 84536

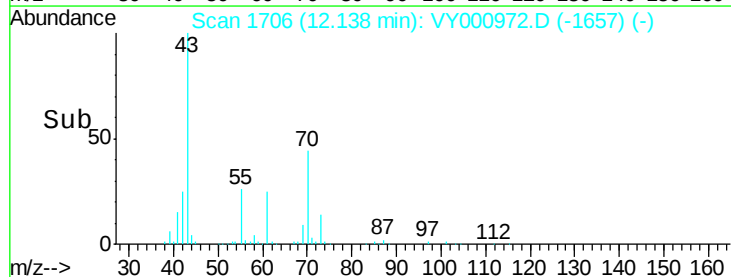
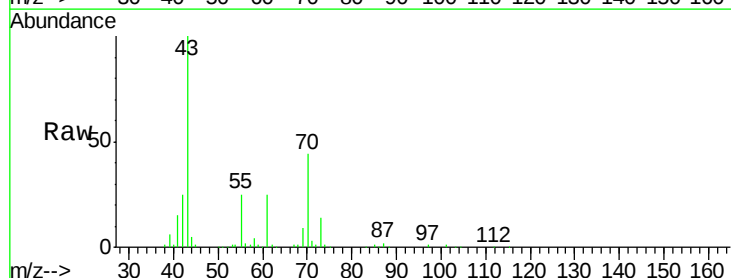
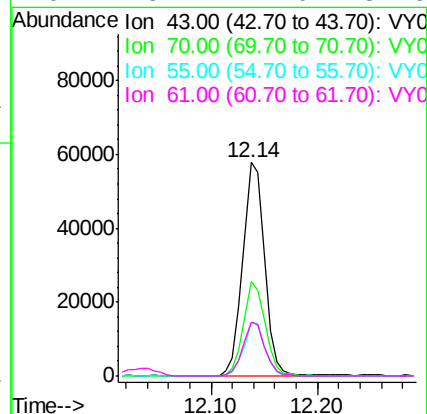
Ion Ratio Lower Upper

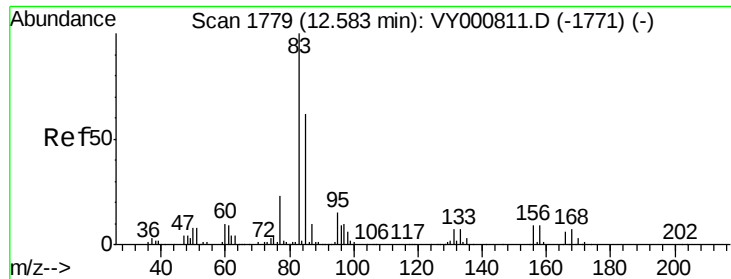
43 100

70 44.0 36.6 54.8

55 24.6 18.8 28.2

61 25.4 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.290 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

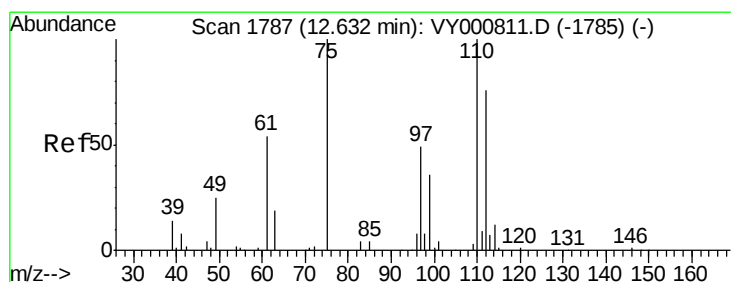
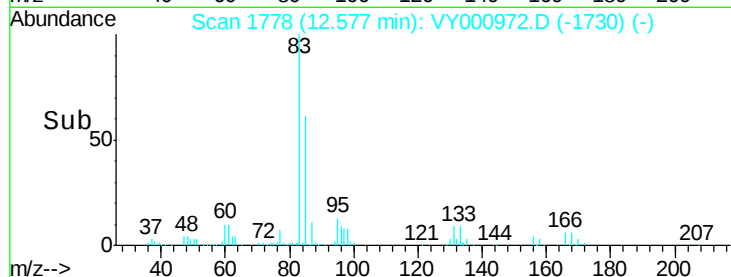
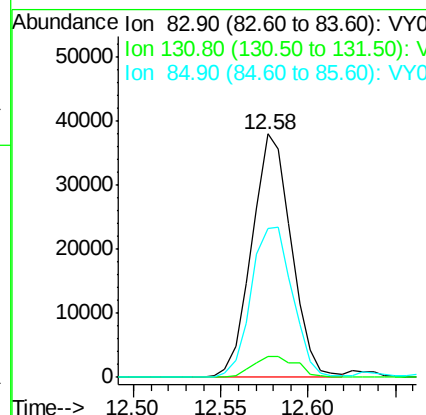
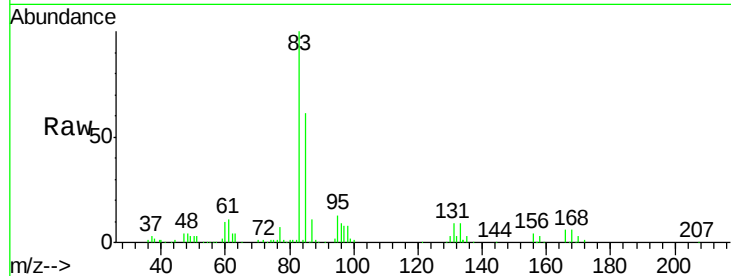
ClientSampleId :

VY1217SBS01

Tot Ion:	83	Resp:	59656
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.3	13.1
85	64.5	32.4	97.0

Manual Integrations
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12/18/2019 1:01:55 PM



#76

1,2,3-Trichloropropane

Concen: 21.553 ug/l m

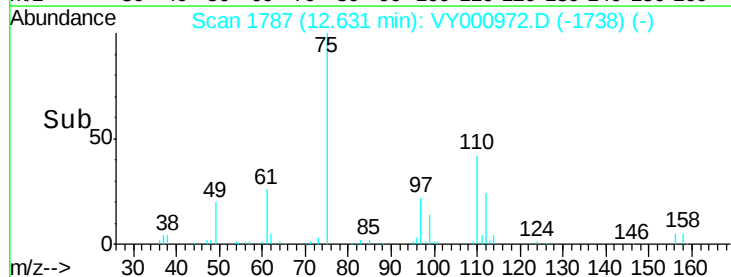
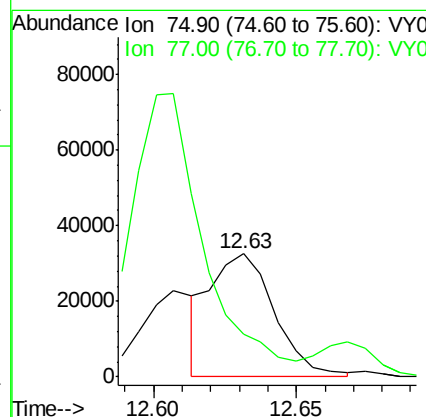
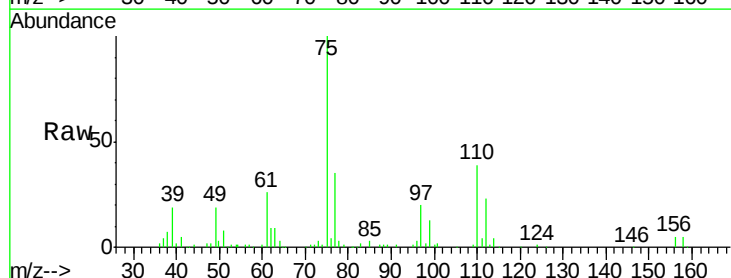
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	75	Resp:	50770
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.000 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion:156 Resp: 68177

Ion Ratio Lower Upper

156 100

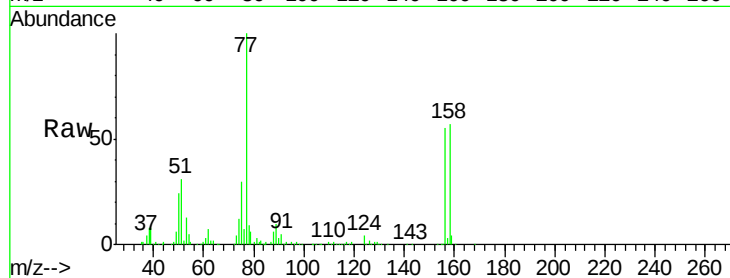
77 198.5 102.6 307.7

158 97.5 47.6 142.8

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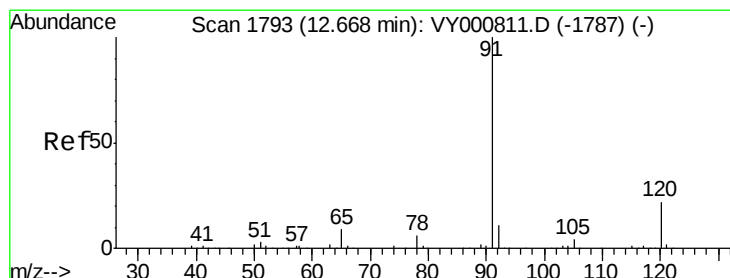
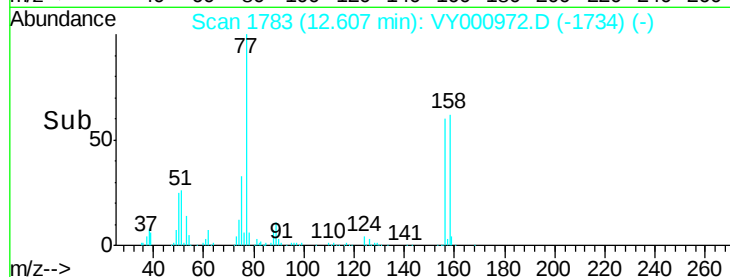
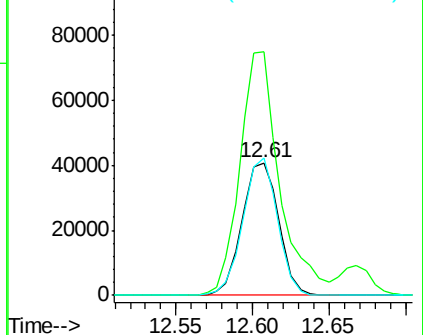
12/18/2019 1:01:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.768 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000972.D

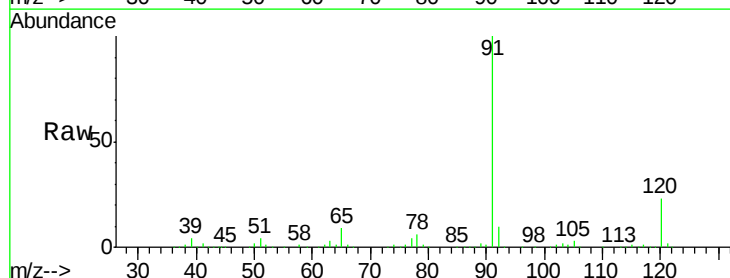
Acq: 17 Dec 2019 12:53

Tgt Ion: 91 Resp: 379343

Ion Ratio Lower Upper

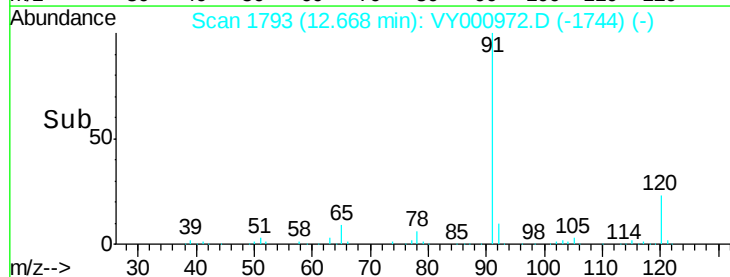
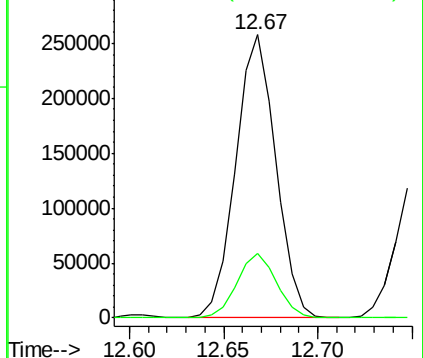
91 100

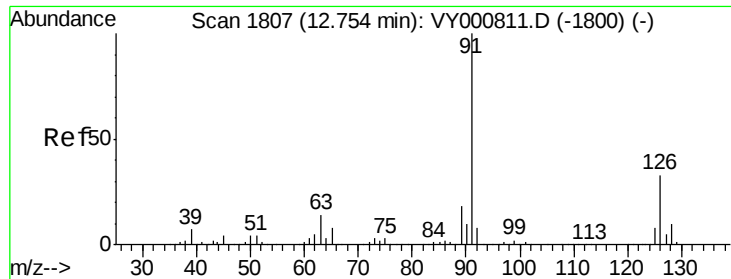
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.594 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VY1217SBS01

Tot Ion: 91 Resp: 207634

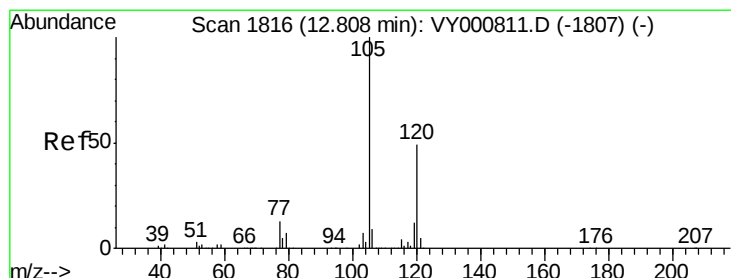
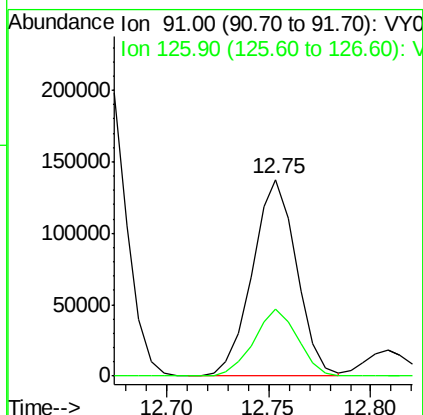
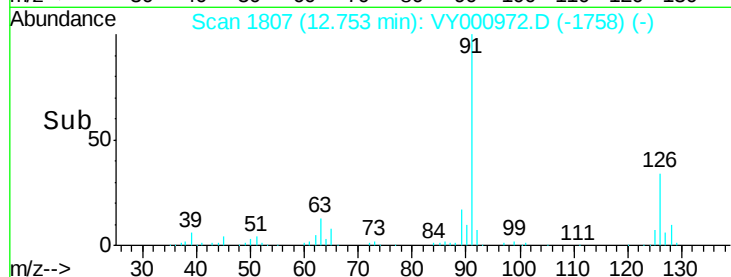
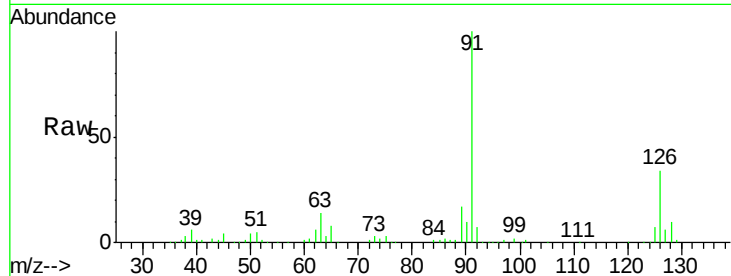
Ion Ratio Lower Upper

91 100

126 33.9 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.704 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000972.D

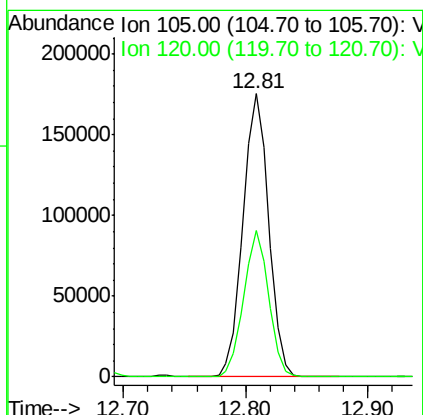
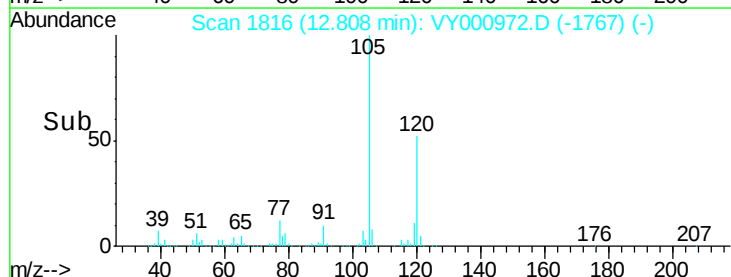
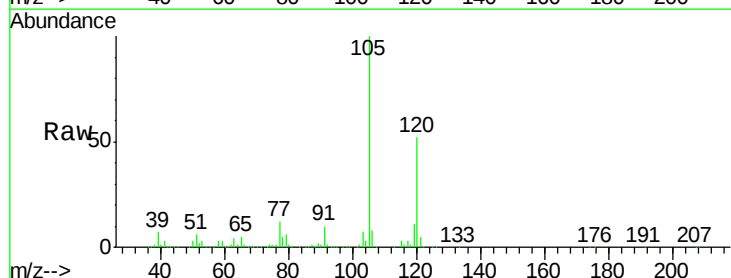
Acq: 17 Dec 2019 12:53

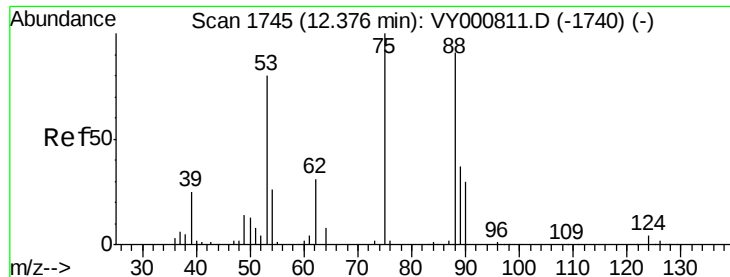
Tgt Ion: 105 Resp: 256364

Ion Ratio Lower Upper

105 100

120 50.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.895 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

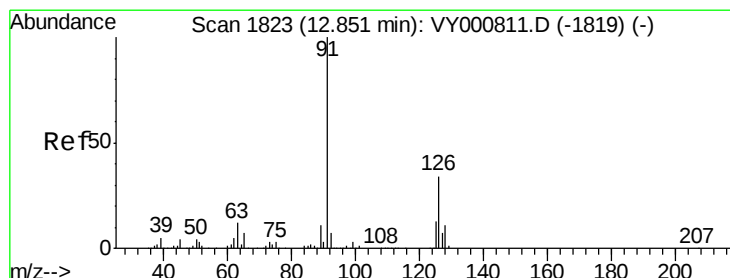
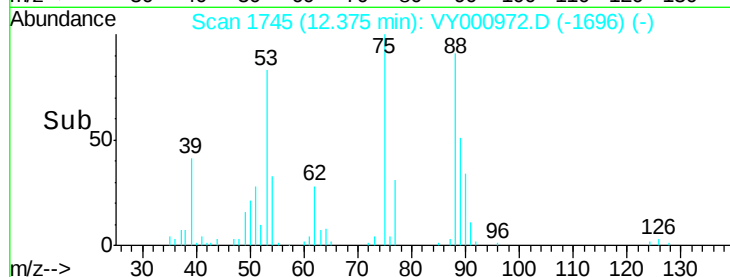
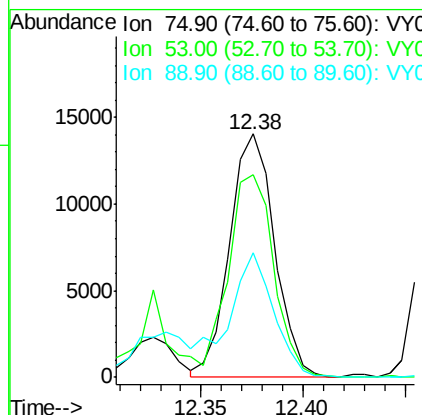
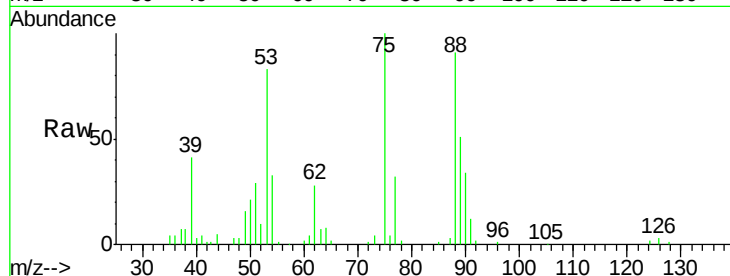
ClientSampleId :

VY1217SBS01

Tot Ion:	75	Resp:	21459
Ion Ratio	Lower	Upper	
75	100		
53	84.0	64.6	96.8
89	44.3	33.6	50.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.918 ug/l

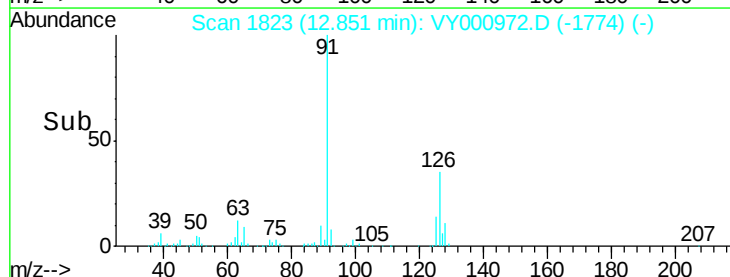
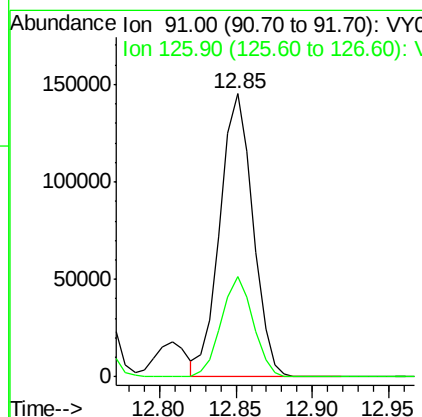
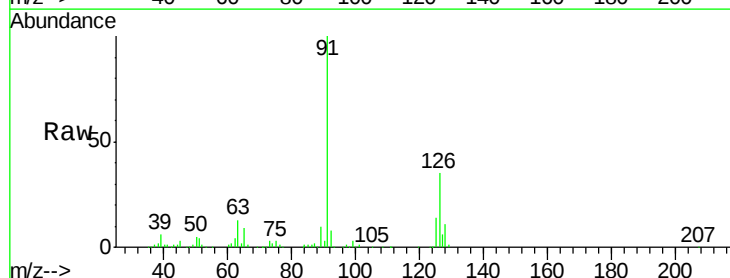
RT: 12.85 min Scan# 1823

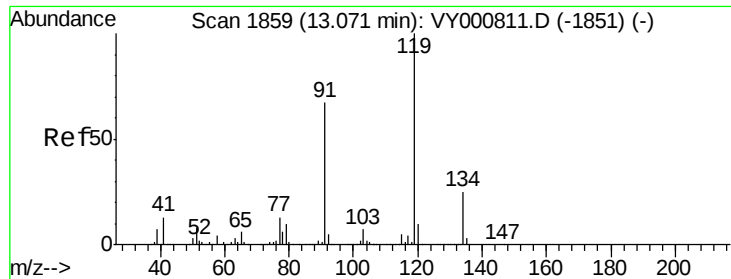
Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	91	Resp:	217645
Ion Ratio	Lower	Upper	
91	100		
126	34.5	17.3	51.9





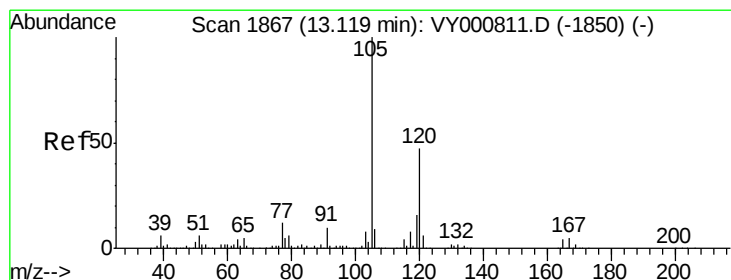
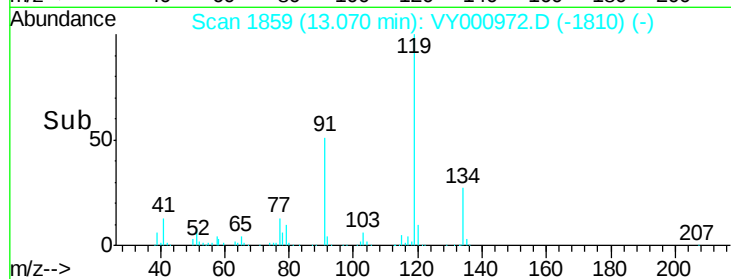
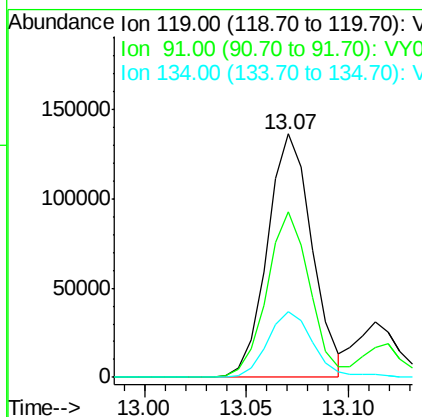
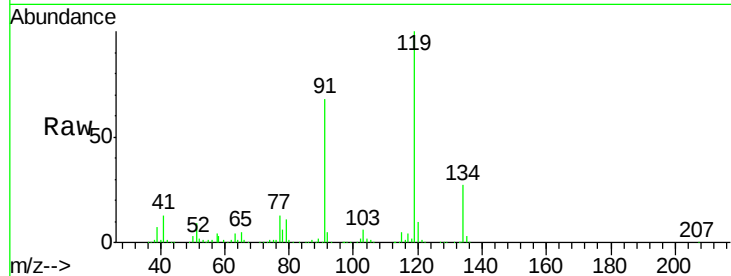
#83
 tert-Butylbenzene
 Concen: 18.004 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207469		
91	66.4		32.3	96.8
134	27.8		12.9	38.7

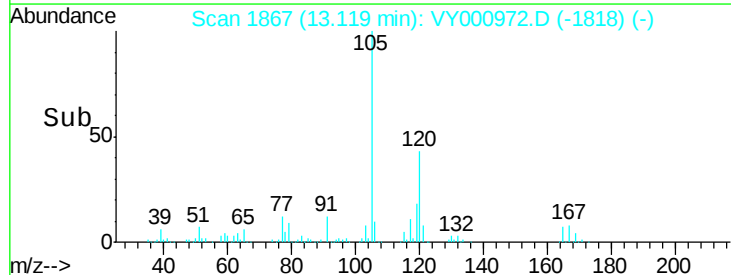
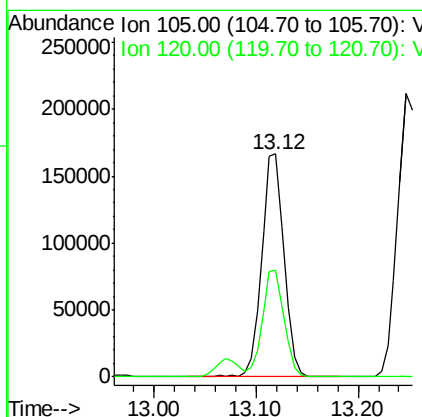
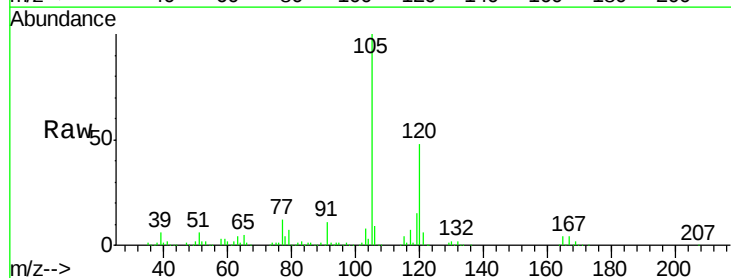
Manual Integrations
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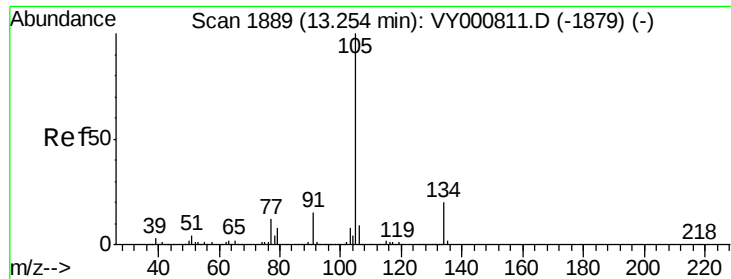
MMDadoda
 12/18/2019 1:01:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.525 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254029		
120	46.6		22.6	67.8





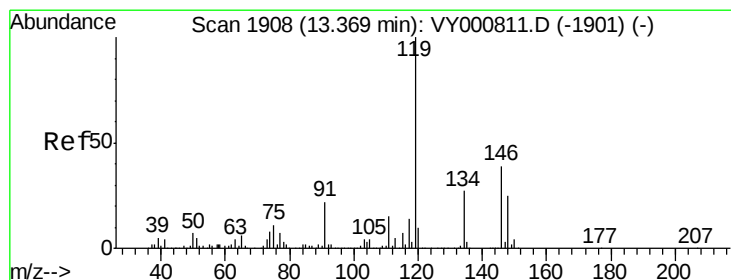
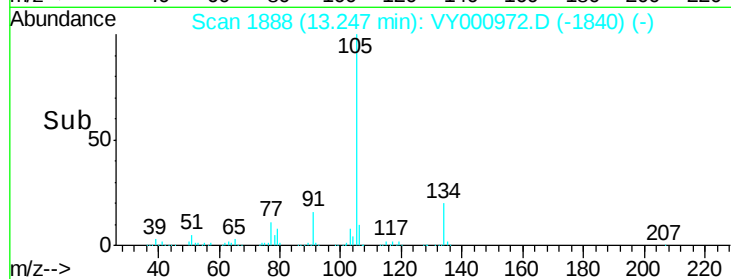
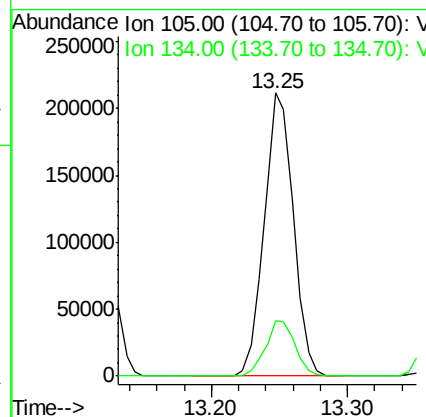
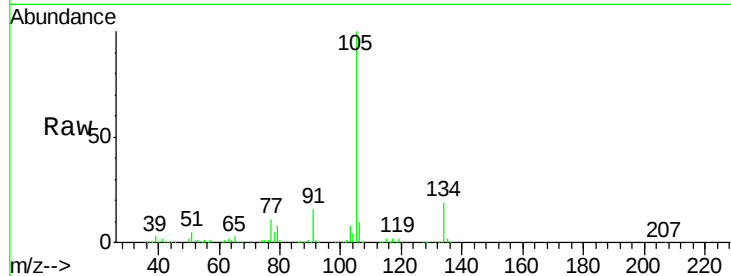
#85
 sec-Butylbenzene
 Concen: 19.023 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.1

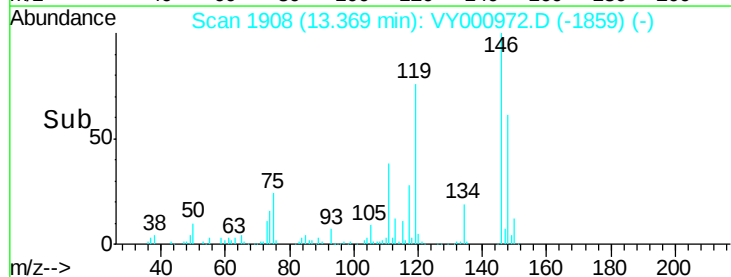
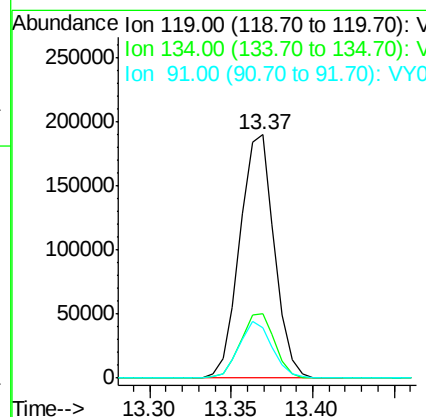
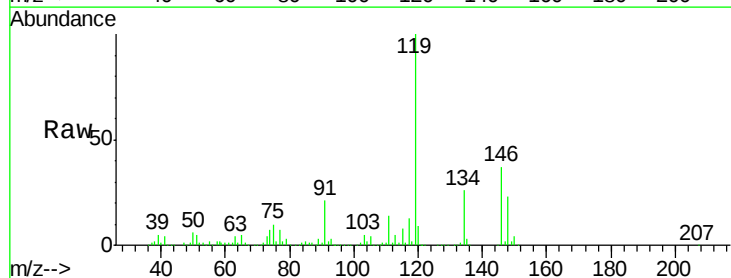
Manual Integrations
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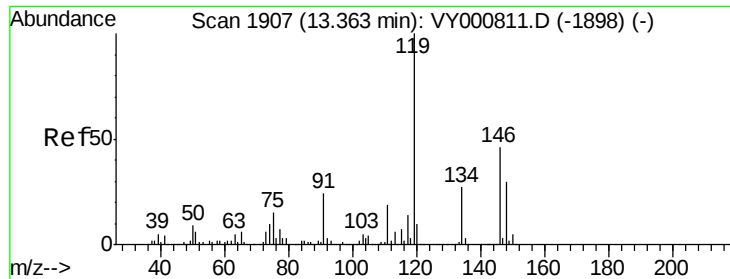
MMDadoda
 12/18/2019 1:01:55 PM



#86
 p-Isopropyltoluene
 Concen: 19.152 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.6	11.5	34.5





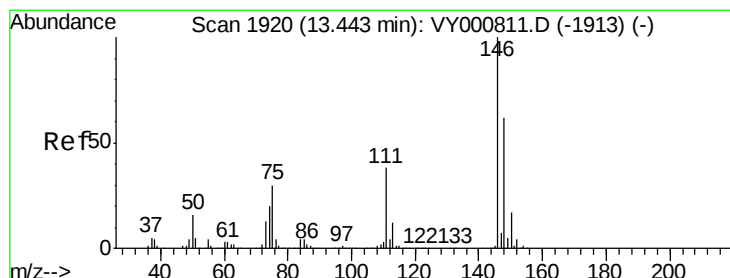
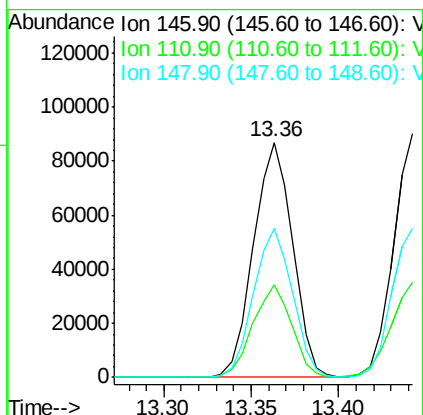
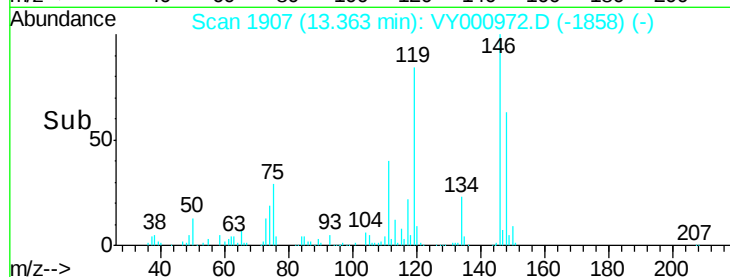
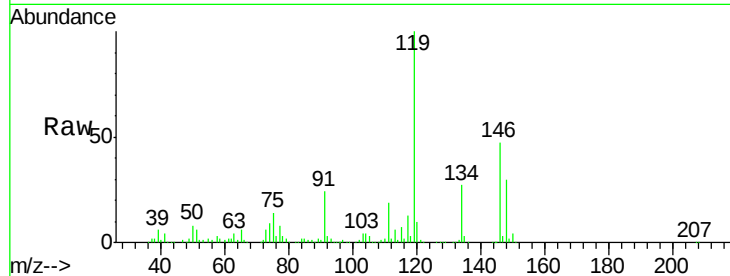
#87
 1,3-Dichlorobenzene
 Concen: 19.124 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	134619		
111	39.1	20.0	60.0	
148	63.1	32.1	96.5	

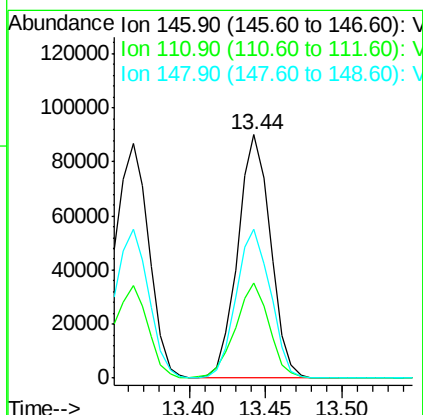
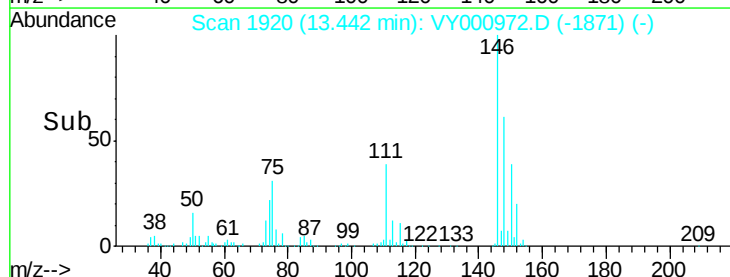
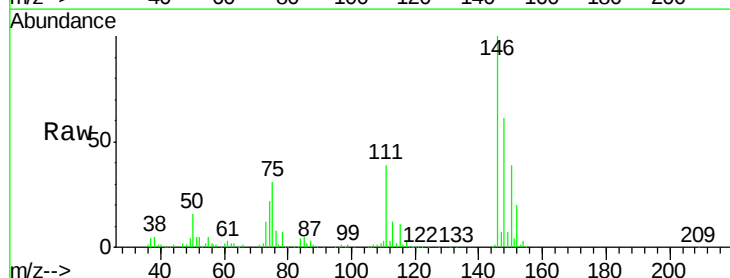
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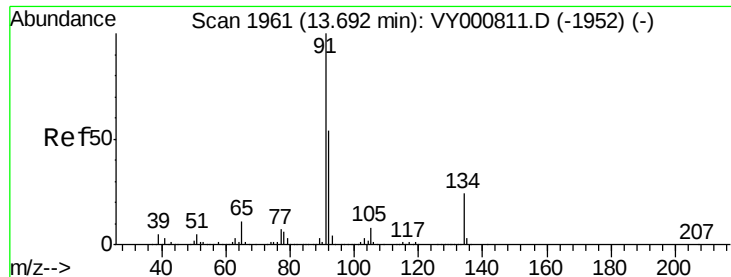
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 12/18/2019 1:01:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.223 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133982		
111	40.1	20.0	59.9	
148	63.9	31.7	95.1	





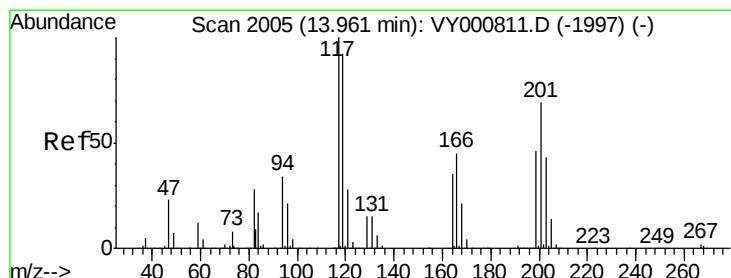
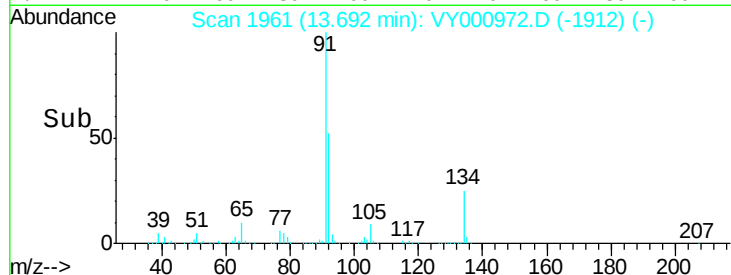
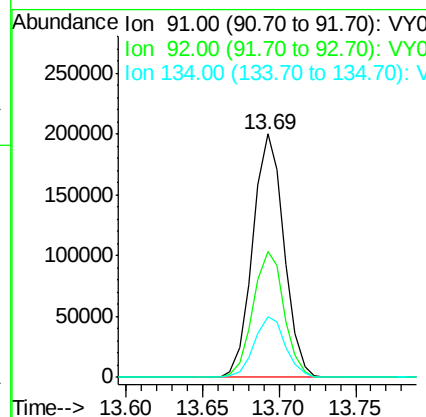
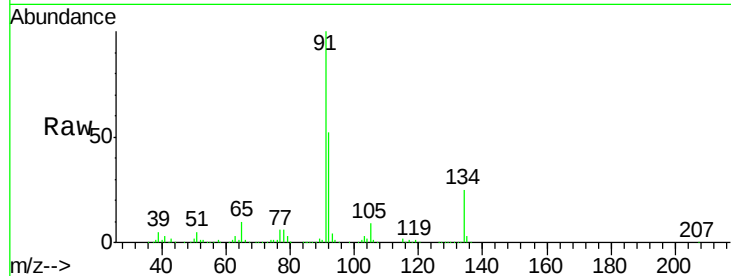
#89
n-Butylbenzene
Concen: 19.271 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VY1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.9	80.7
134	25.1	12.6	37.6

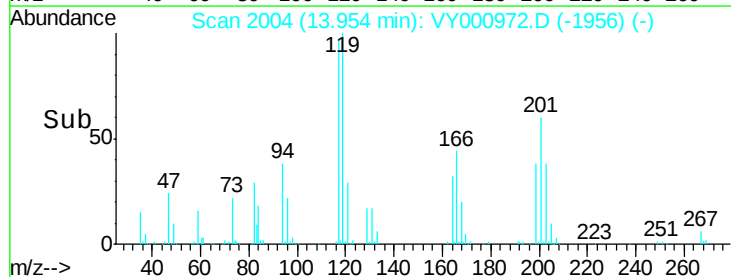
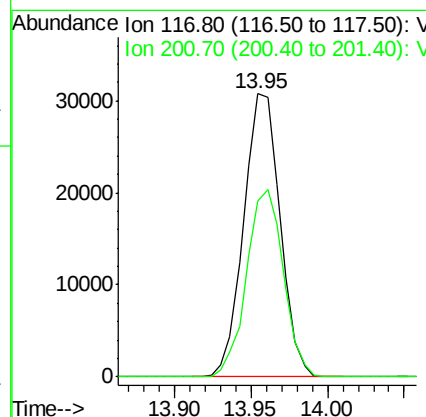
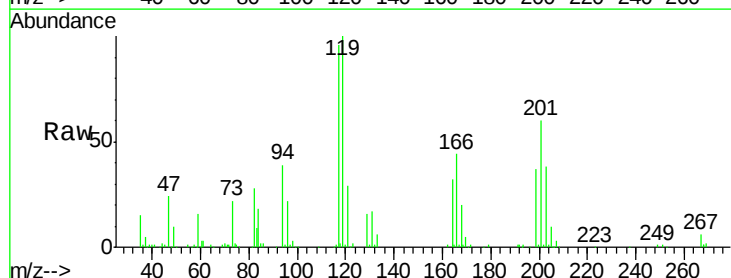
Manual Integrations
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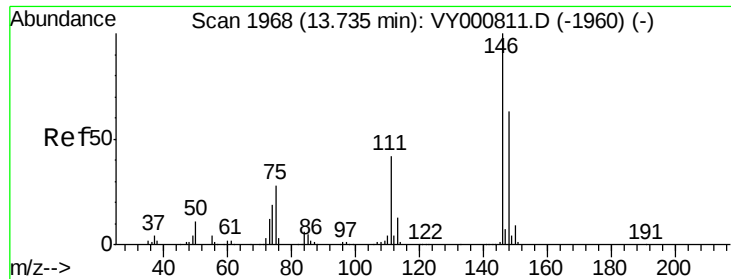
MMDadoda
12/18/2019 1:01:55 PM



#90
Hexachloroethane
Concen: 18.956 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000972.D
Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.0	102.0





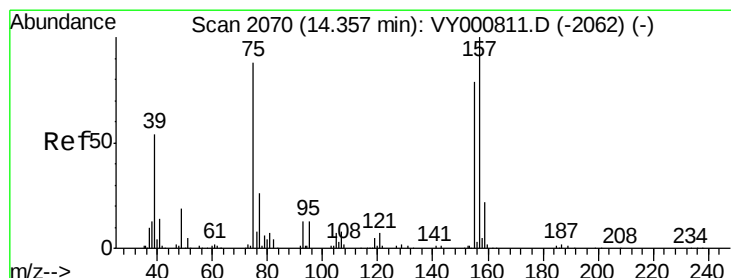
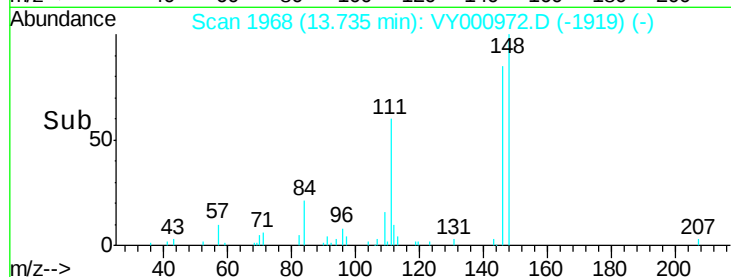
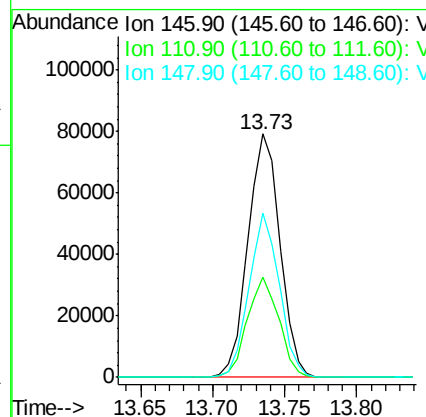
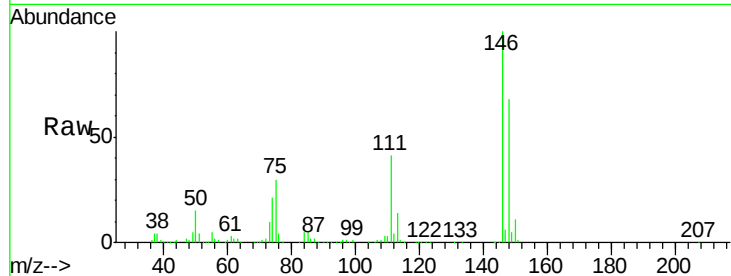
#91
 1,2-Dichlorobenzene
 Concen: 19.185 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.7
148	64.0	32.1	96.3

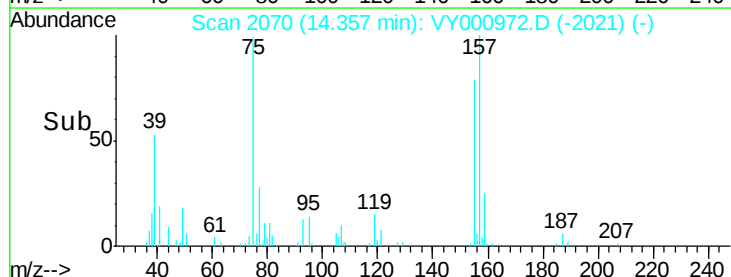
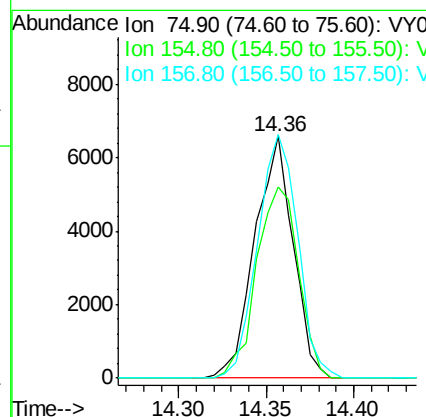
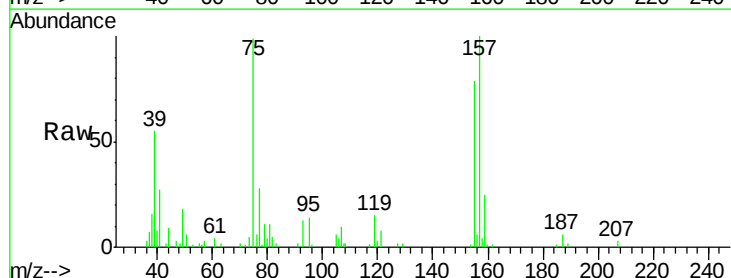
Manual Integrations
 APPROVED

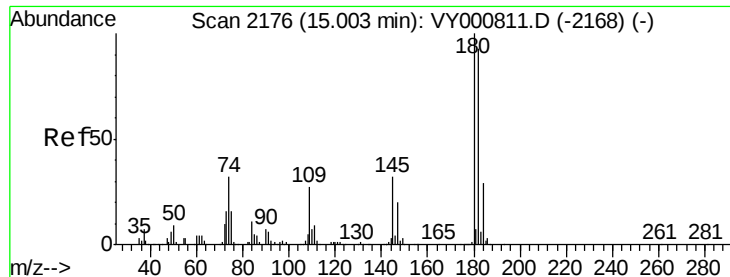
MMDadoda
 12/18/2019 1:01:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.337 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	44.3	132.9
157	105.8	56.3	168.9





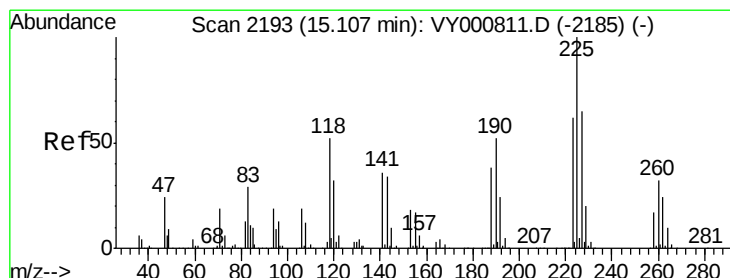
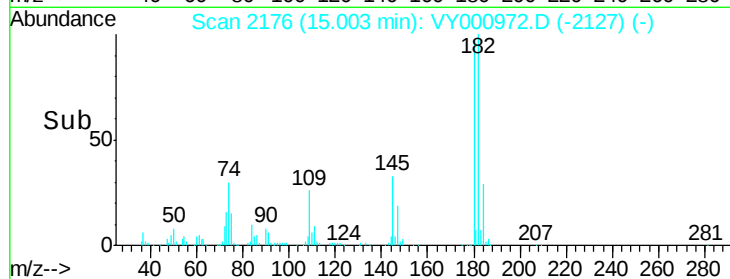
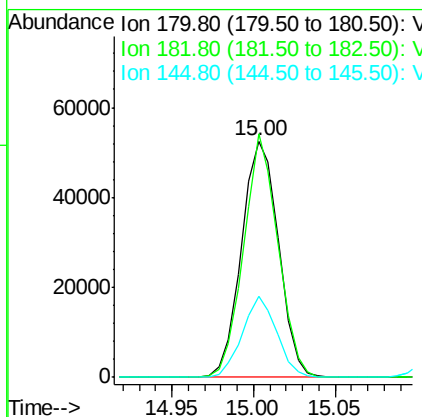
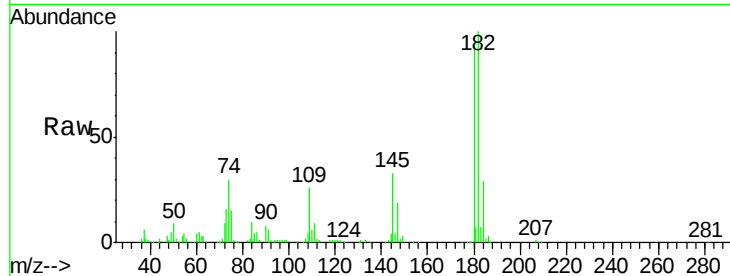
#93
 1,2,4-Trichlorobenzene
 Concen: 19.345 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.3	141.9	
145	31.9	16.0	47.9	

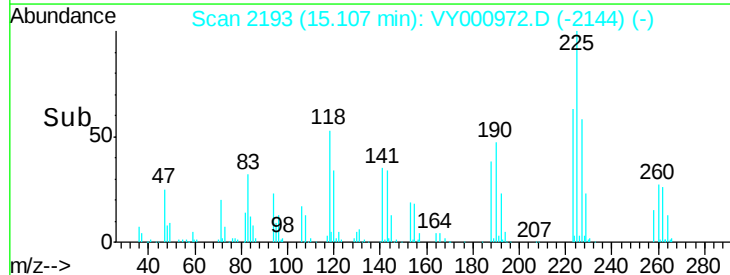
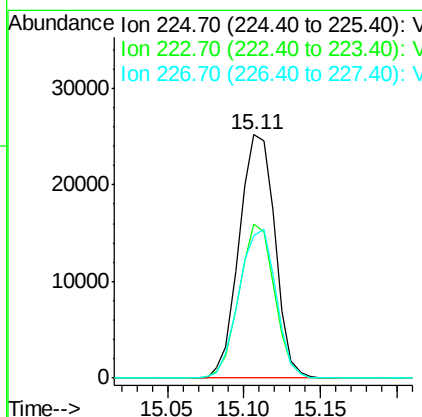
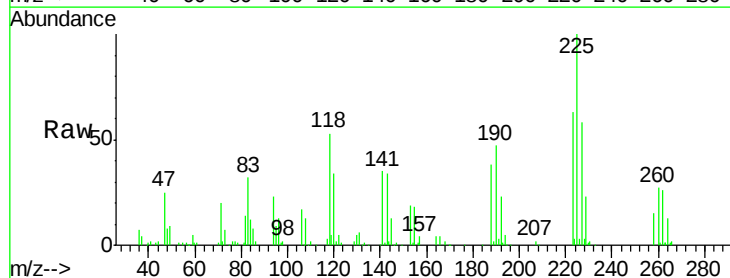
Manual Integrations
 APPROVED

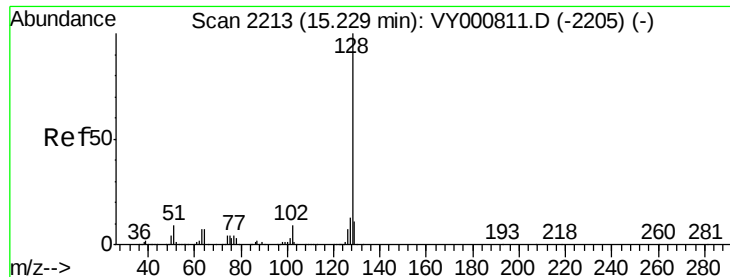
MMDadoda
 12/18/2019 1:01:55 PM



#94
 Hexachlorobutadiene
 Concen: 19.311 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000972.D
 Acq: 17 Dec 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.4	94.3	
227	63.0	31.8	95.3	





#95

Naphthalene

Concen: 18.873 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Instrument :

MSVOA_Y

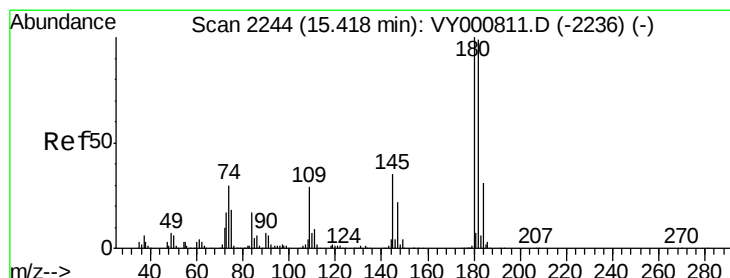
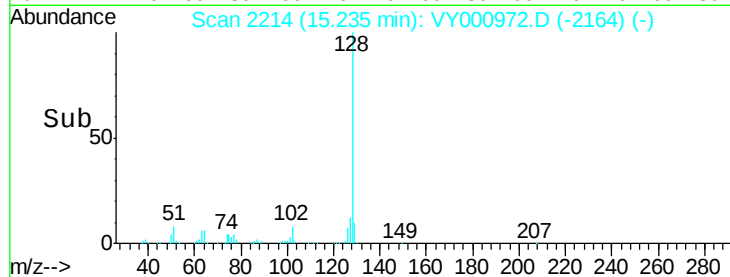
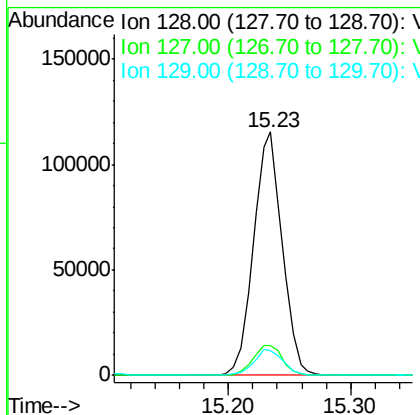
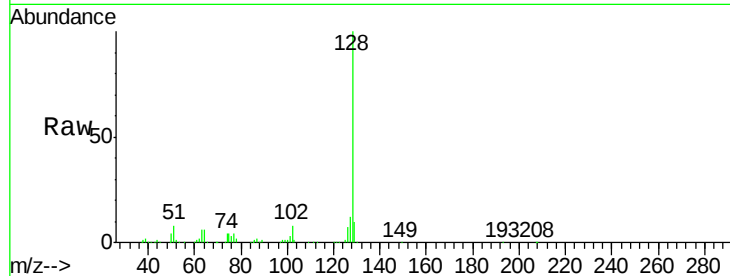
ClientSampleId :

VY1217SBS01

Tot Ion:	128	Resp:	187763
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/18/2019 1:01:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.971 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000972.D

Acq: 17 Dec 2019 12:53

Tgt Ion:	180	Resp:	72603
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.0	144.0
145	34.1	16.9	50.6

