

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\
 Data File : VY000073.D
 Acq On : 19 Sep 2019 13:39
 Operator : SY/MD
 Sample : VY0919SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:30:35 AM

Quant Time: Sep 20 02:20:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	105371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	198758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	168575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	74938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	59427	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.73	113	57538	47.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.62%	
50) Toluene-d8	10.18	98	231935	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.48	95	81482	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	2007	Below Cal	100
3) Chloromethane	2.11	50	10140	3.954 ug/l	99
4) Vinyl Chloride	2.25	62	13066	11.113 ug/l	99
5) Bromomethane	2.62	94	11096	13.096 ug/l	86
6) Chloroethane	2.78	64	12432	15.774 ug/l #	87
7) Trichlorofluoromethane	3.12	101	26638	16.386 ug/l	95
8) Diethyl Ether	3.53	74	13548	19.464 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20958	18.792 ug/l	95
10) Methyl Iodide	4.09	142	19200	16.554 ug/l	99
11) Tert butyl alcohol	4.97	59	16280	113.276 ug/l	98
12) 1,1-Dichloroethene	3.87	96	18888	18.371 ug/l #	77
13) Acrolein	3.73	56	10358	128.291 ug/l	98
14) Allyl chloride	4.48	41	31327	19.936 ug/l	99
15) Acrylonitrile	5.17	53	45768	109.652 ug/l	98
16) Acetone	3.95	43	28089	99.513 ug/l	92
17) Carbon Disulfide	4.19	76	30483	14.216 ug/l	100
18) Methyl Acetate	4.48	43	21539	22.840 ug/l	95
19) Methyl tert-butyl Ether	5.23	73	67294	20.945 ug/l	100
20) Methylene Chloride	4.71	84	32089	24.166 ug/l	93
21) trans-1,2-Dichloroethene	5.21	96	21892	19.155 ug/l	84
22) Diisopropyl ether	6.13	45	75317	21.214 ug/l	95
23) Vinyl Acetate	6.06	43	256639	108.006 ug/l	96
24) 1,1-Dichloroethane	6.02	63	44663	21.255 ug/l	98
25) 2-Butanone	6.99	43	53302	104.258 ug/l	97
26) 2,2-Dichloropropane	6.98	77	40140	20.241 ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	30124	20.818 ug/l	99
28) Bromochloromethane	7.34	49	18723	19.222 ug/l	91
29) Tetrahydrofuran	7.35	42	33780	110.062 ug/l	97
30) Chloroform	7.51	83	45823	21.131 ug/l	99
31) Cyclohexane	7.79	56	32510	19.004 ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	37811	21.467 ug/l	98
36) 1,1-Dichloropropene	7.92	75	32099	21.598 ug/l	98
37) Ethyl Acetate	7.08	43	24310	24.540 ug/l #	89
38) Carbon Tetrachloride	7.90	117	30674	21.869 ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	38164	20.884	ug/l	97
40) Benzene	8.16	78	103949	21.177	ug/l	96
41) Methacrylonitrile	7.33	41	12589m	19.659	ug/l	
42) 1,2-Dichloroethane	8.24	62	28410	21.850	ug/l	100
43) Isopropyl Acetate	8.28	43	43973	22.697	ug/l	97
44) Trichloroethene	8.94	130	27285	21.758	ug/l	95
45) 1,2-Dichloropropane	9.21	63	26410	20.770	ug/l	96
46) Dibromomethane	9.31	93	15824	22.783	ug/l	96
47) Bromodichloromethane	9.50	83	36381	21.586	ug/l	98
48) Methyl methacrylate	9.29	41	19068	22.379	ug/l	99
49) 1,4-Dioxane	9.31	88	6096	452.064	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	121837	115.180	ug/l	97
52) Toluene	10.24	92	66670	21.378	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	38084	21.312	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	44174	21.406	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	24129	22.159	ug/l	98
56) Ethyl methacrylate	10.51	69	32933	21.255	ug/l	96
57) 1,3-Dichloropropane	10.79	76	39639	21.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	86901	103.751	ug/l	99
59) 2-Hexanone	10.84	43	86202	114.229	ug/l	97
60) Dibromochloromethane	10.98	129	25870	22.678	ug/l	95
61) 1,2-Dibromoethane	11.09	107	21535	21.652	ug/l	99
64) Tetrachloroethene	10.72	164	23513	22.223	ug/l	96
65) Chlorobenzene	11.52	112	73862	22.151	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	25394	22.524	ug/l	100
67) Ethyl Benzene	11.59	91	131558	22.108	ug/l	98
68) m/p-Xylenes	11.70	106	100248	44.273	ug/l	97
69) o-Xylene	12.02	106	47919	21.856	ug/l	99
70) Styrene	12.04	104	84712	22.009	ug/l	99
71) Bromoform	12.21	173	14966	22.930	ug/l #	97
73) Isopropylbenzene	12.33	105	131589	21.789	ug/l	98
74) N-amyl acetate	12.14	43	38049	22.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	31541	22.187	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	23738m	22.514	ug/l	
77) Bromobenzene	12.60	156	27499	21.806	ug/l	95
78) n-propylbenzene	12.67	91	159035	21.588	ug/l	98
79) 2-Chlorotoluene	12.76	91	86708	21.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	108664	21.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12134	22.133	ug/l	95
82) 4-Chlorotoluene	12.85	91	89714	21.066	ug/l	97
83) tert-Butylbenzene	13.07	119	90777	21.209	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	107820	21.861	ug/l	96
85) sec-Butylbenzene	13.25	105	134434	21.259	ug/l	98
86) p-Isopropyltoluene	13.37	119	112630	21.013	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	54788	21.902	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	55152	21.941	ug/l	99
89) n-Butylbenzene	13.69	91	120758	21.900	ug/l	99
90) Hexachloroethane	13.96	117	22894	21.735	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	51788	22.035	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5669	22.397	ug/l	95

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ClientSampleId :
VY0919SBSD01

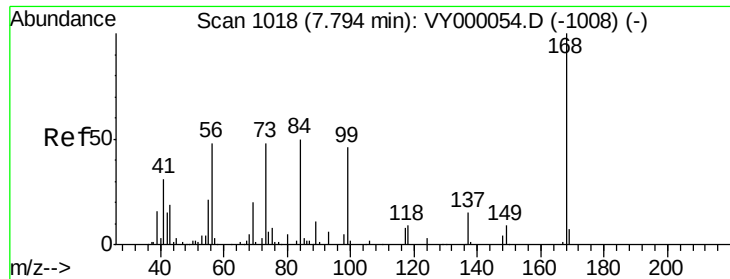
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	33670	23.742	ug/l	96
94) Hexachlorobutadiene	15.11	225	14944	21.947	ug/l	99
95) Naphthalene	15.23	128	86637	21.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29912	22.101	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:168 Resp: 105371

Ion Ratio Lower Upper

168 100

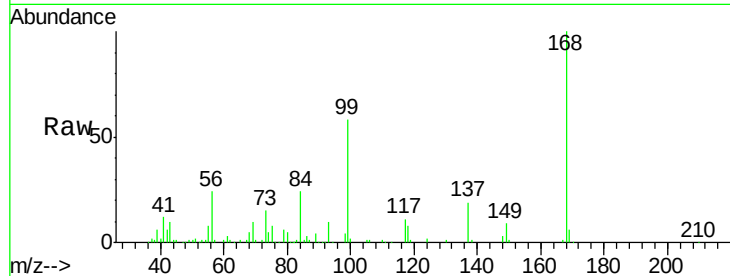
99 58.2 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

50000

40000

30000

20000

10000

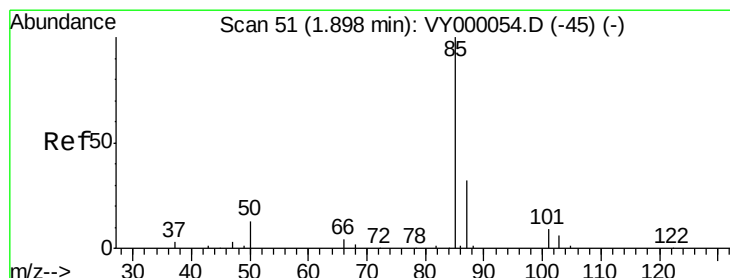
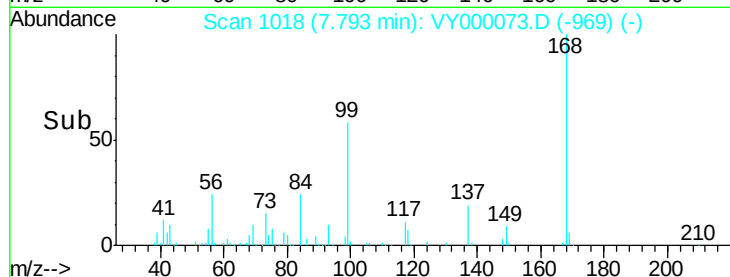
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000073.D

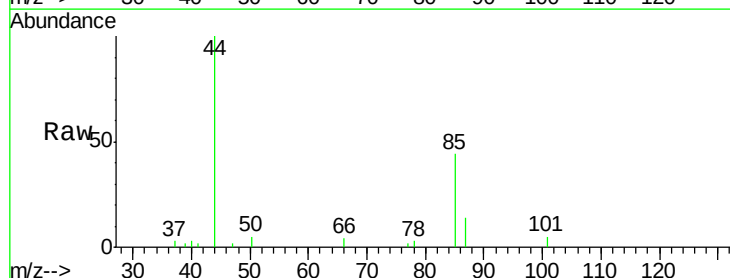
Acq: 19 Sep 2019 13:39

Tgt Ion: 85 Resp: 2007

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

1500

1000

500

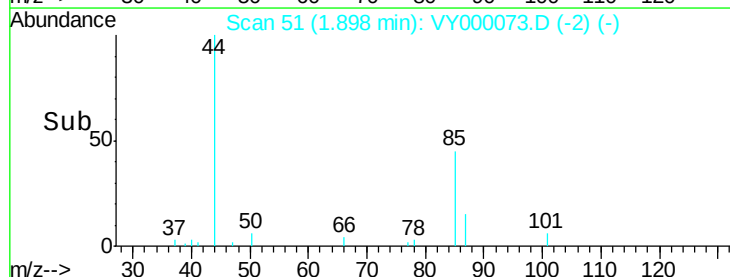
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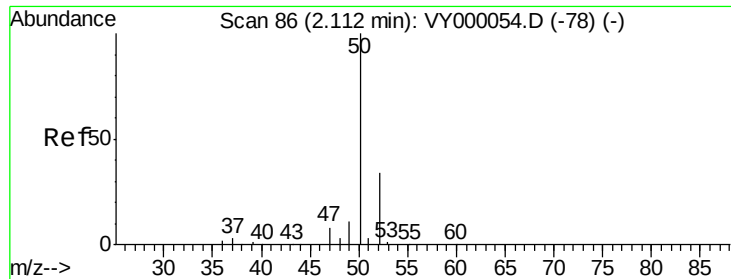
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 3.954 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 50 Resp: 10140

Ion Ratio Lower Upper

50 100

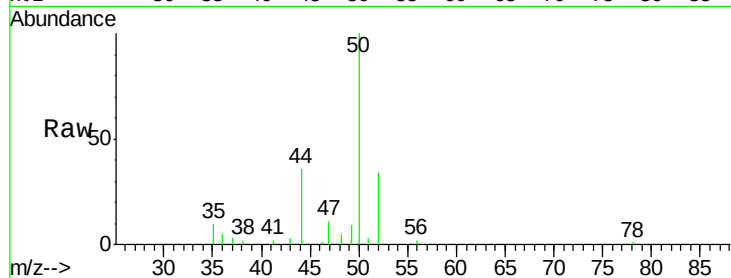
52 33.7 27.3 40.9

Manual Integrations

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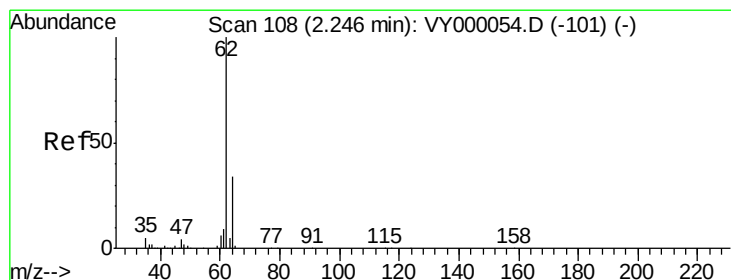
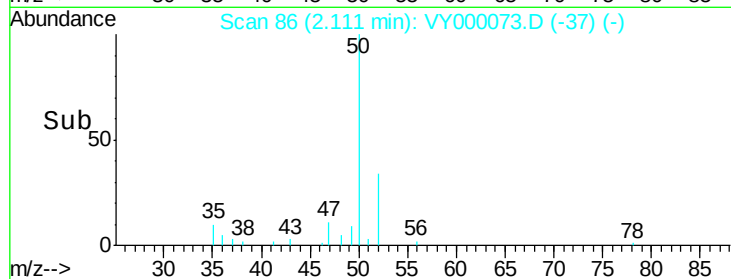
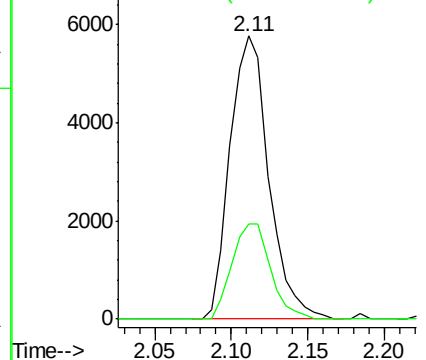
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 11.113 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000073.D

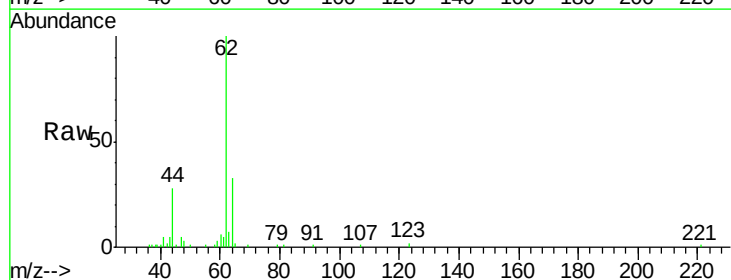
Acq: 19 Sep 2019 13:39

Tgt Ion: 62 Resp: 13066

Ion Ratio Lower Upper

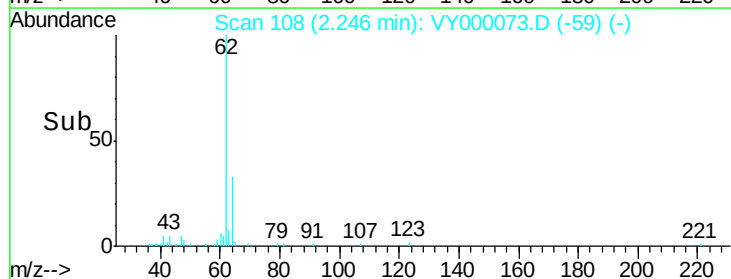
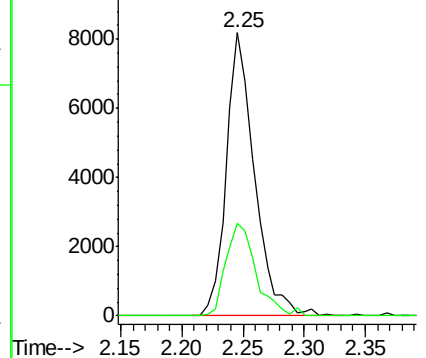
62 100

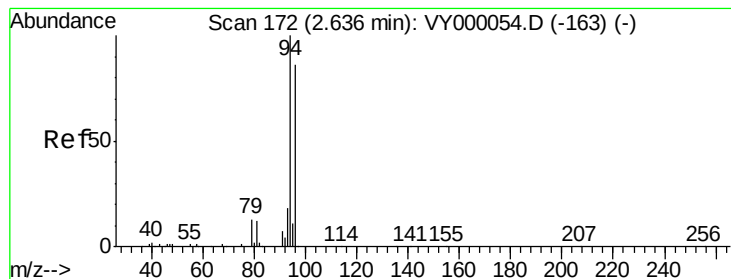
64 32.8 26.9 40.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 13.096 ug/l

RT: 2.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 94 Resp: 11096

Ion Ratio Lower Upper

94 100

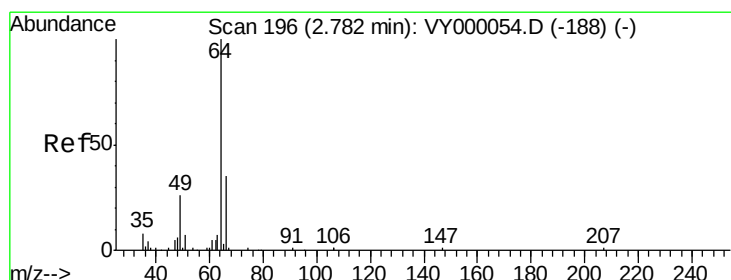
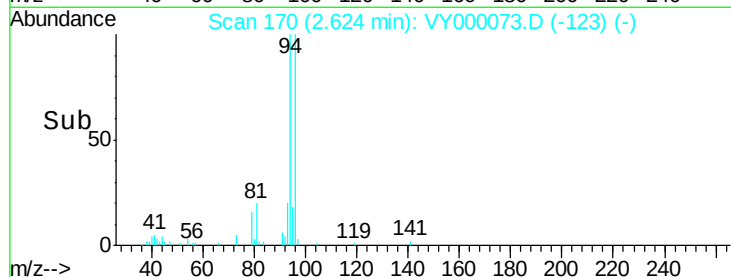
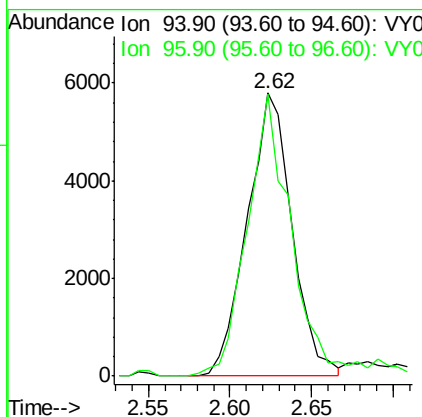
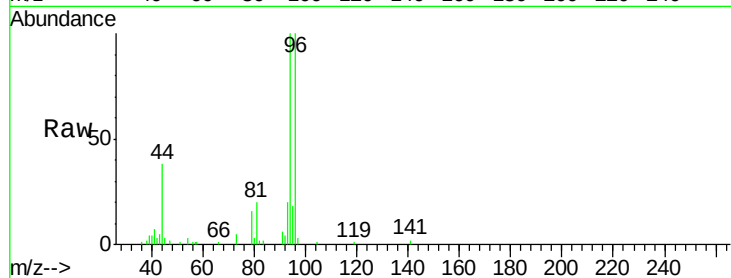
96 99.6 69.1 103.7

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#6

Chloroethane

Concen: 15.774 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000073.D

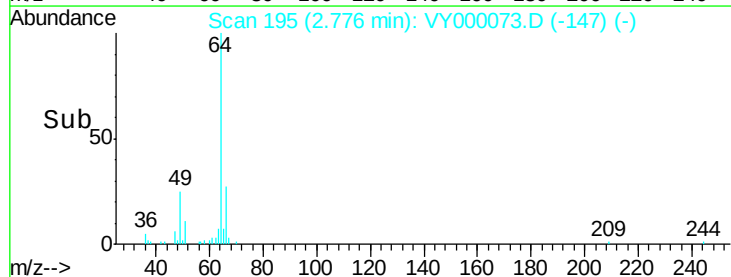
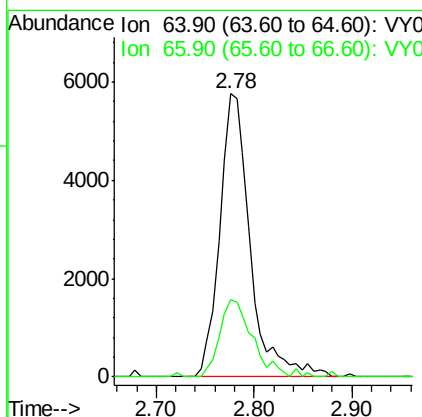
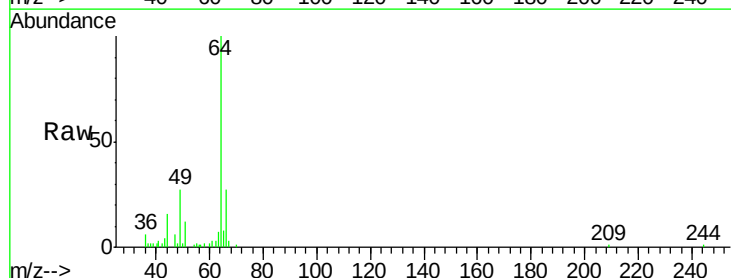
Acq: 19 Sep 2019 13:39

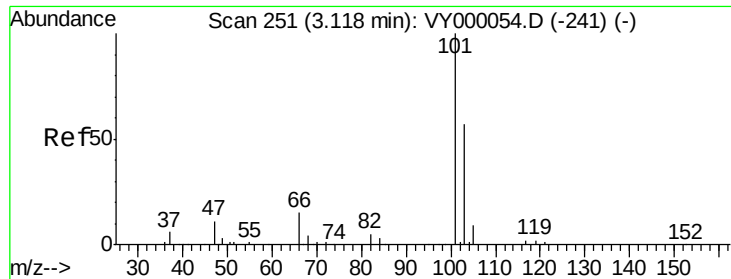
Tgt Ion: 64 Resp: 12432

Ion Ratio Lower Upper

64 100

66 27.4 27.7 41.5#





#7

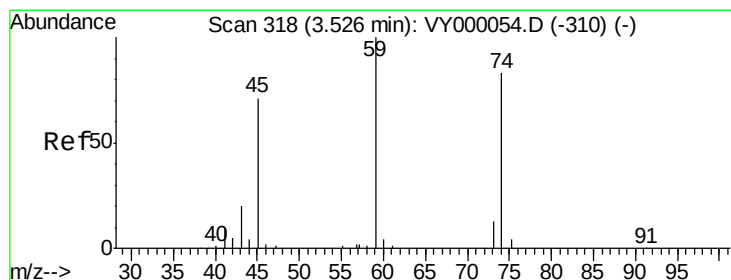
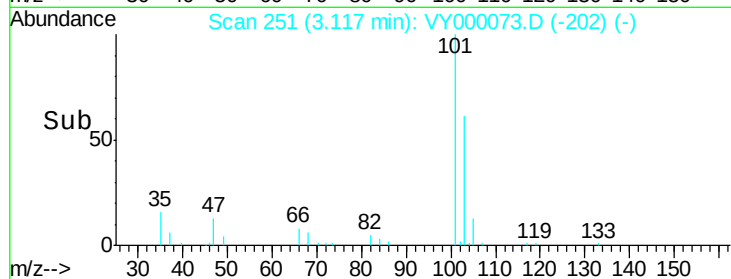
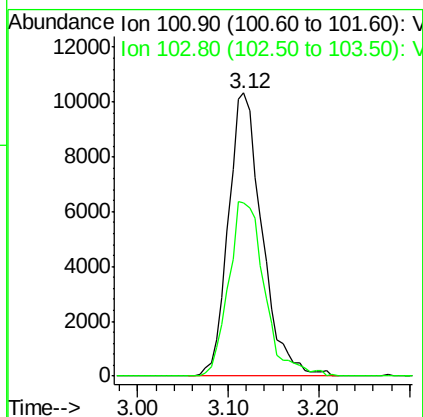
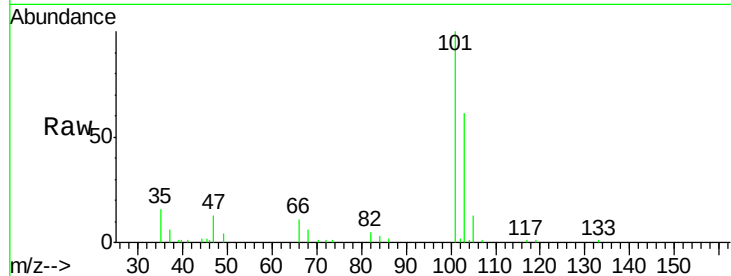
Trichlorofluoromethane
Concen: 16.386 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion:101 Resp: 26638
Ion Ratio Lower Upper
101 100
103 61.0 45.7 68.5

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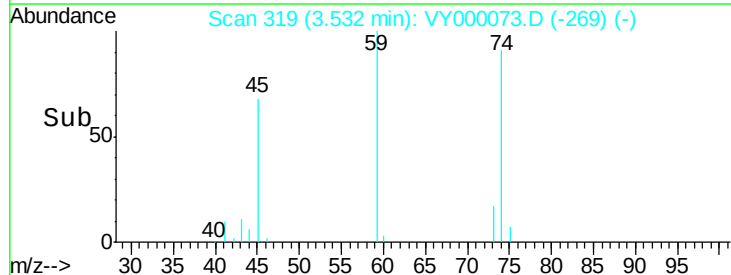
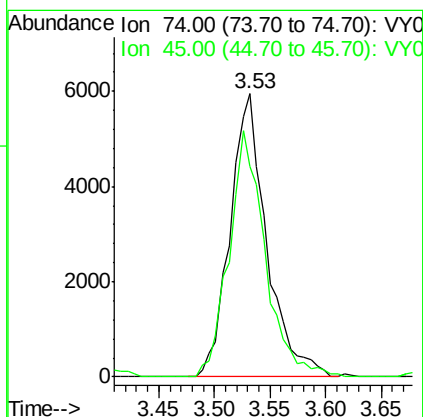
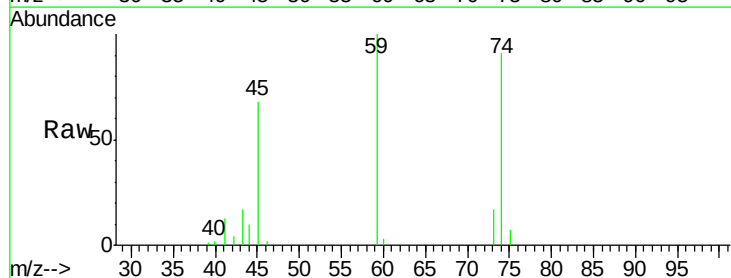
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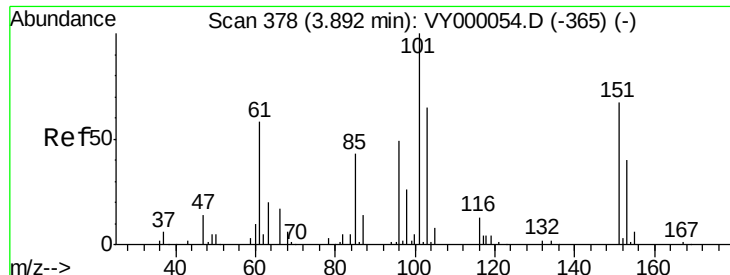


#8

Diethyl Ether
Concen: 19.464 ug/l
RT: 3.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion: 74 Resp: 13548
Ion Ratio Lower Upper
74 100
45 85.7 40.6 122.0





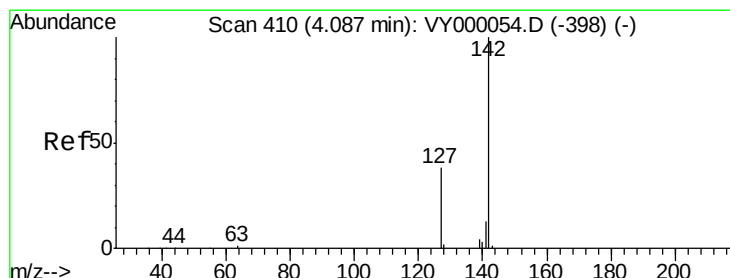
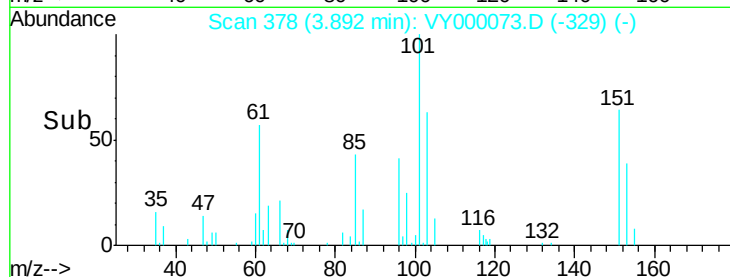
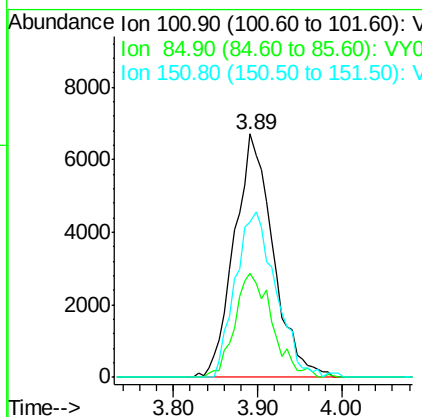
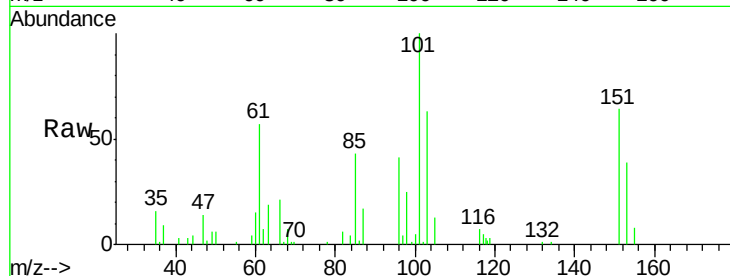
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.792 ug/l
 RT: 3.89 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	20958		
85	41.3		36.8	55.2
151	70.8		54.4	81.6

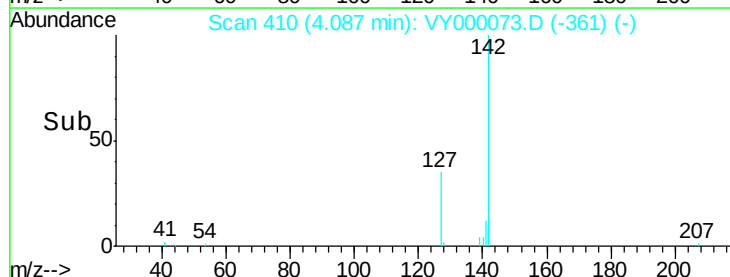
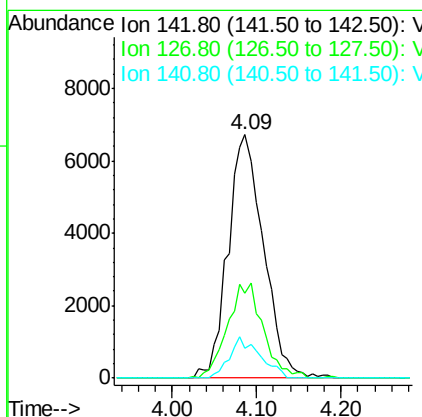
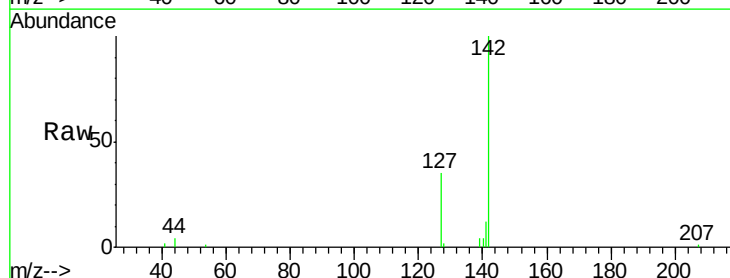
Manual Integrations
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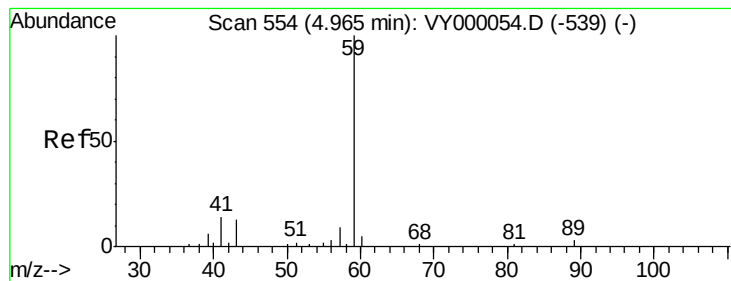
MMDadoda
 9/24/2019 5:30:35 AM



#10
 Methyl Iodide
 Concen: 16.554 ug/l
 RT: 4.09 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19200		
127	38.9		31.6	47.4
141	14.5		10.9	16.3





#11

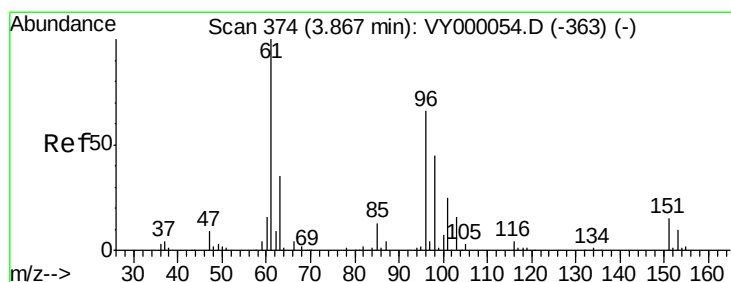
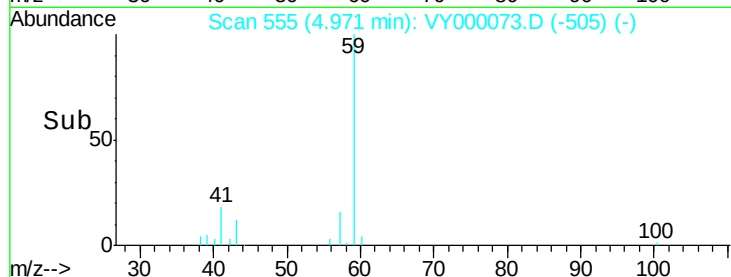
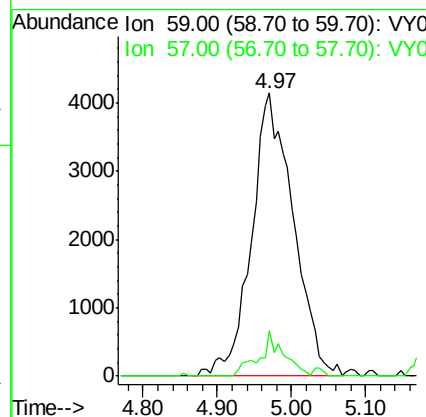
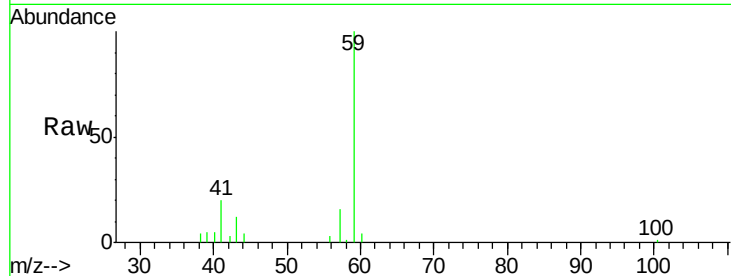
Tert butyl alcohol
 Concen: 113.276 ug/l
 RT: 4.97 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16280		
57	9.2		8.0	12.0

Manual Integrations
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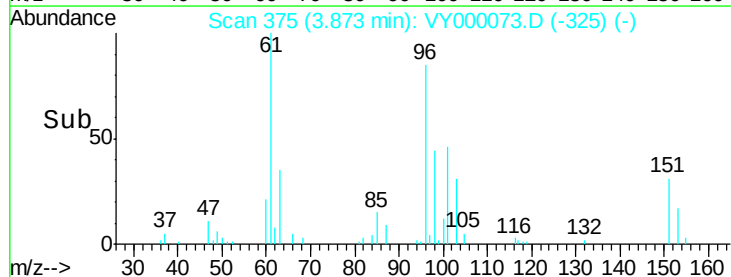
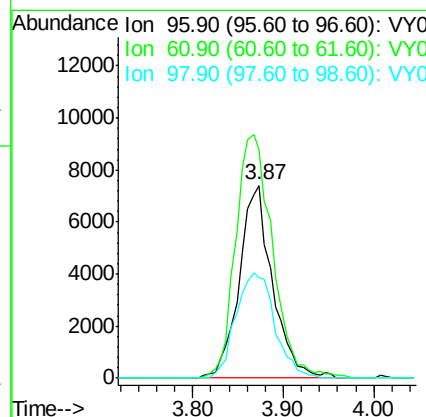
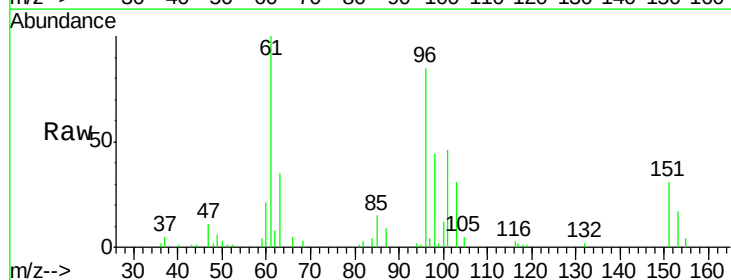
MMDadoda
 9/24/2019 5:30:35 AM

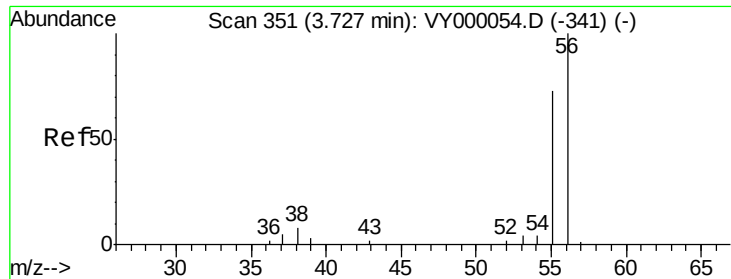


#12

1,1-Dichloroethene
 Concen: 18.371 ug/l
 RT: 3.87 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	18888		
61	118.2		120.4	180.6#
98	52.3		54.1	81.1#





#13

Acrolein

Concen: 128.291 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 56 Resp: 10358

Ion Ratio Lower Upper

56 100

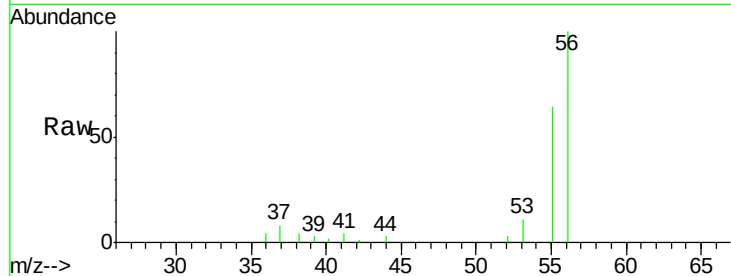
55 70.5 57.8 86.8

Manual Integrations

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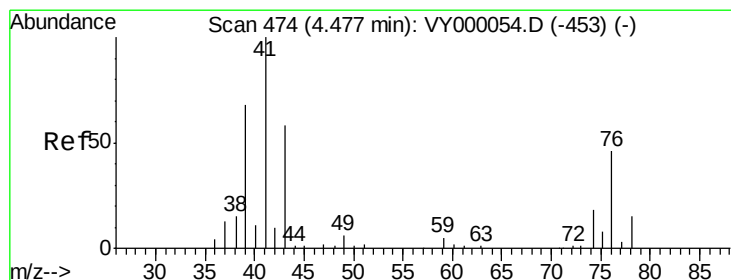
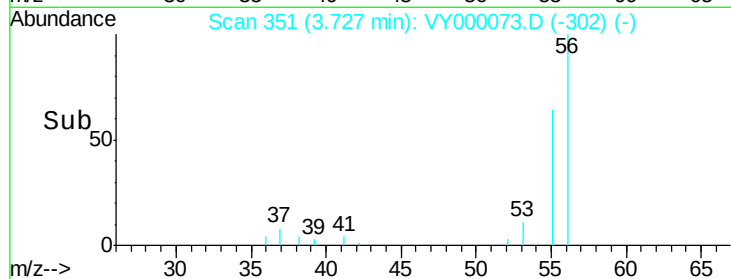
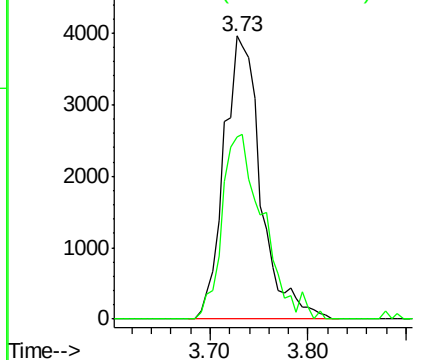
MMDadoda

9/24/2019 5:30:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.936 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

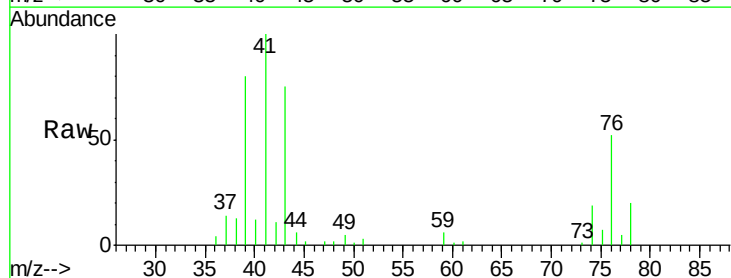
Tgt Ion: 41 Resp: 31327

Ion Ratio Lower Upper

41 100

39 65.2 52.7 79.1

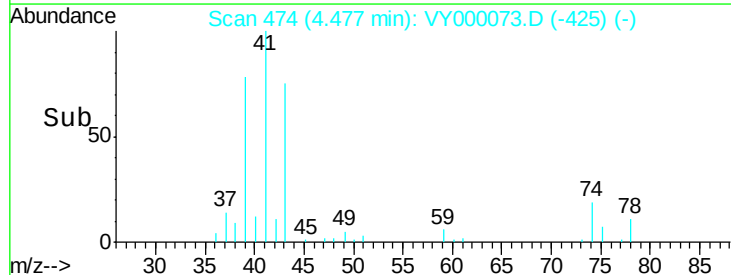
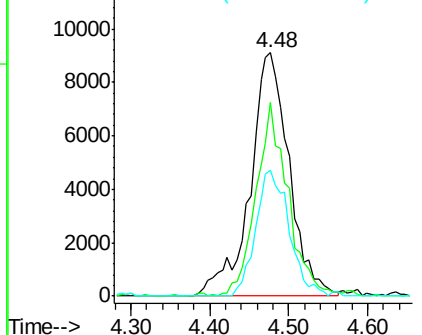
76 44.4 35.5 53.3

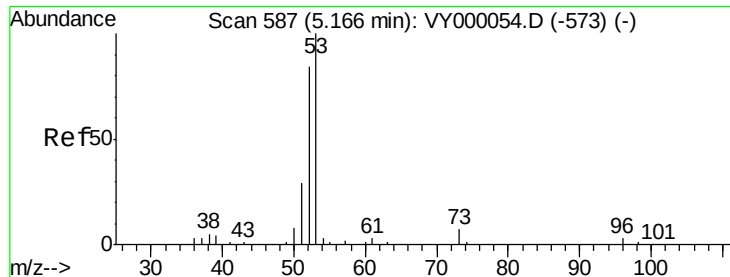


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 109.652 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

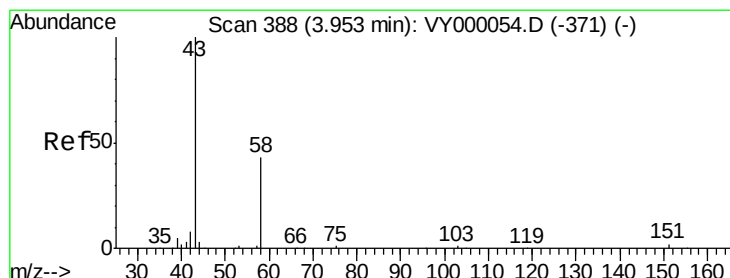
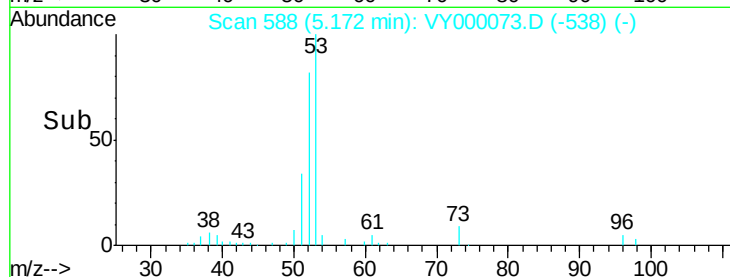
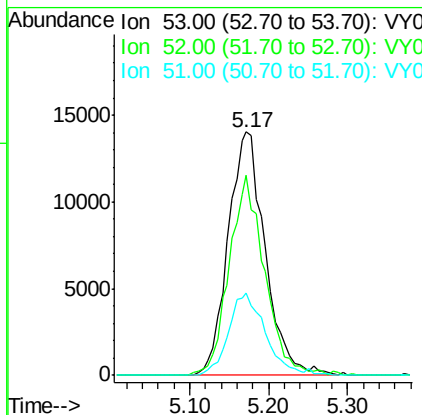
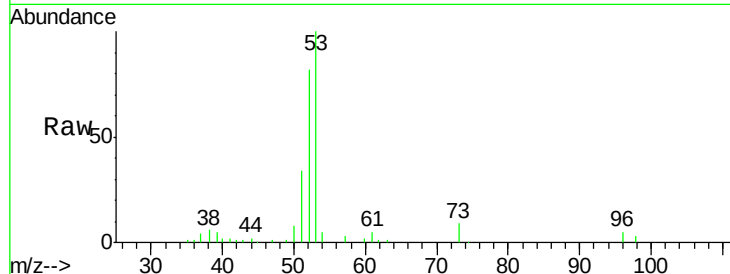
ClientSampleId :

VY0919SBS01

Tot Ion:	53	Resp:	45768
Ion	Ratio	Lower	Upper
53	100		
52	78.3	64.7	97.1
51	33.1	26.7	40.1

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 99.513 ug/l

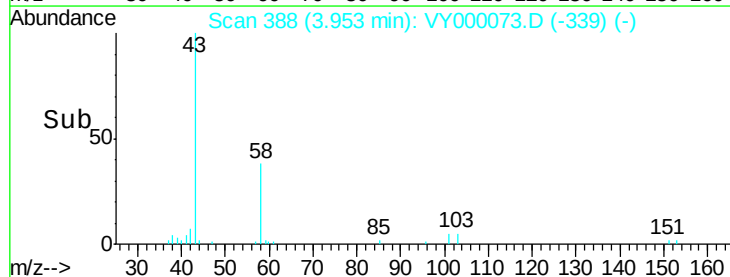
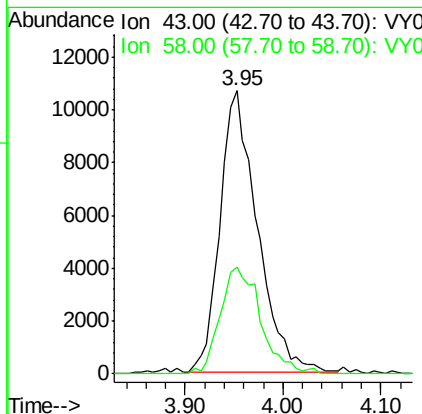
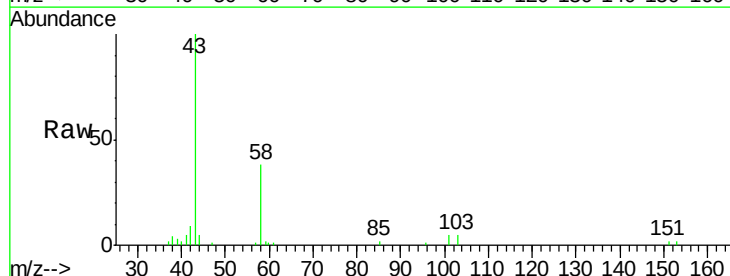
RT: 3.95 min Scan# 388

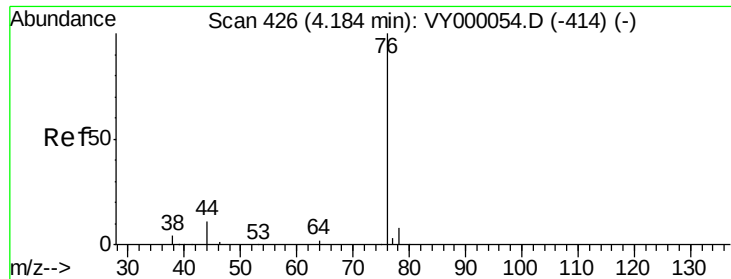
Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	43	Resp:	28089
Ion	Ratio	Lower	Upper
43	100		
58	37.9	34.5	51.7





#17

Carbon Disulfide

Concen: 14.216 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 76 Resp: 30483

Ion Ratio Lower Upper

76 100

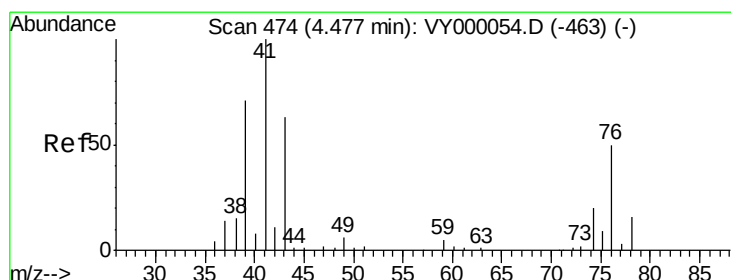
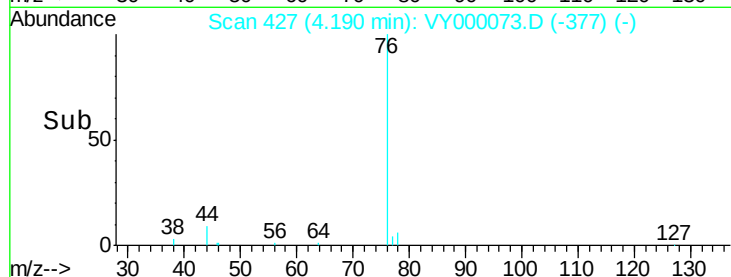
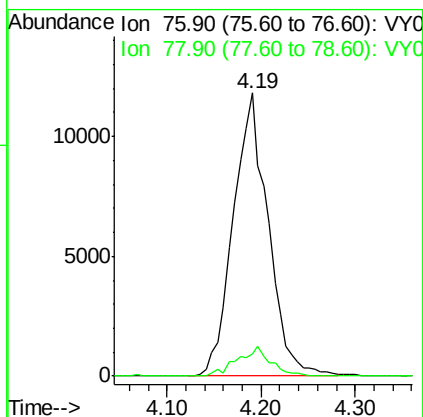
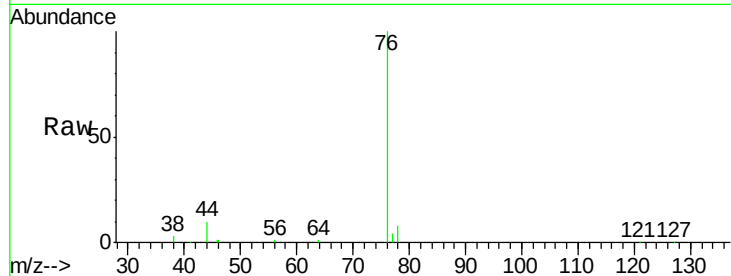
78 8.1 6.6 9.8

Manual Integrations

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#18

Methyl Acetate

Concen: 22.840 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000073.D

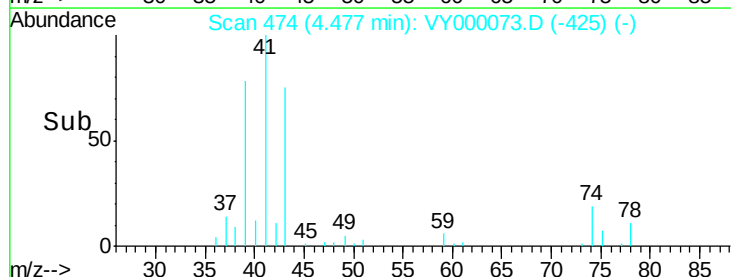
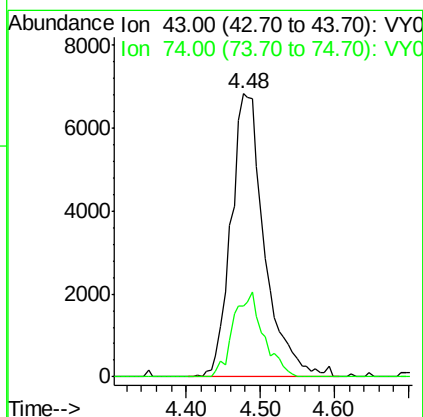
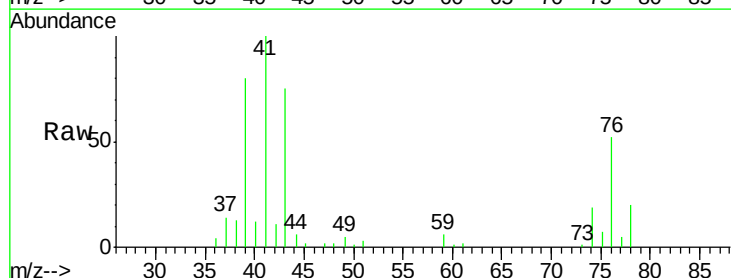
Acq: 19 Sep 2019 13:39

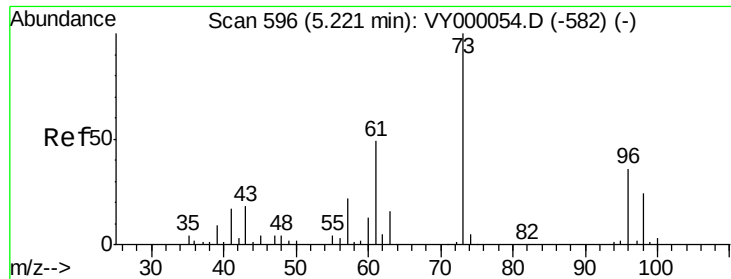
Tgt Ion: 43 Resp: 21539

Ion Ratio Lower Upper

43 100

74 27.3 24.1 36.1





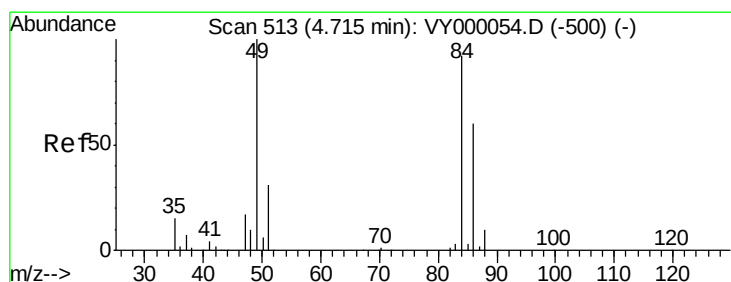
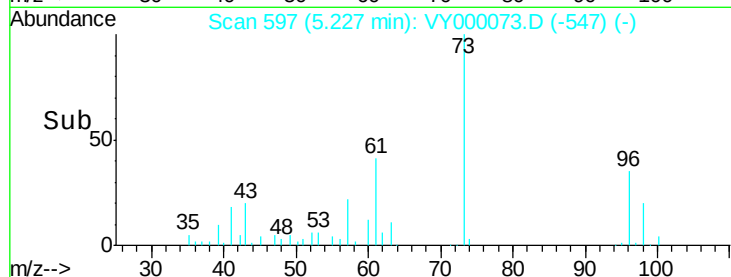
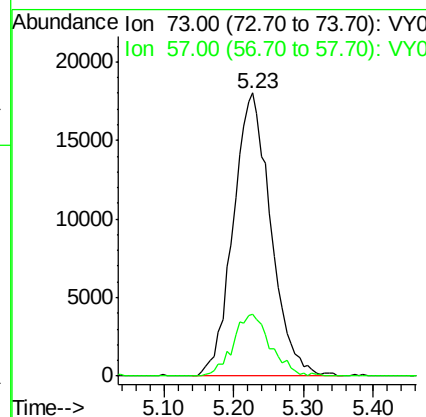
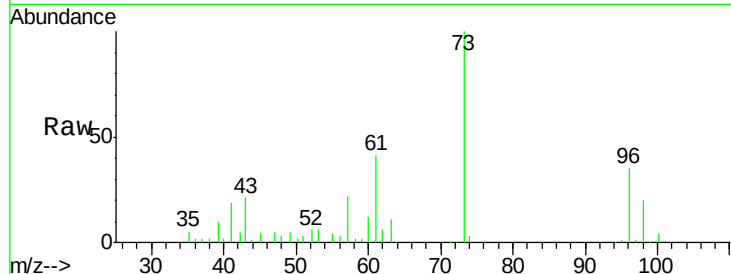
#19
Methyl tert-butyl Ether
Concen: 20.945 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 73 Resp: 67294
Ion Ratio Lower Upper
73 100
57 21.7 17.5 26.3

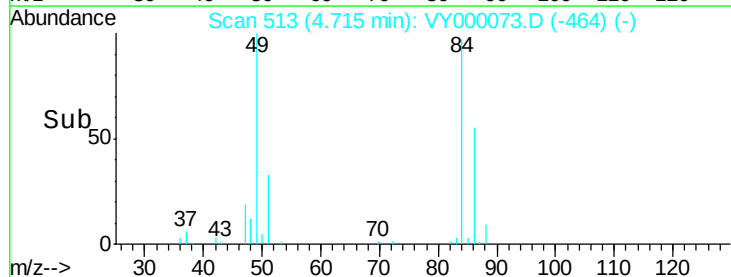
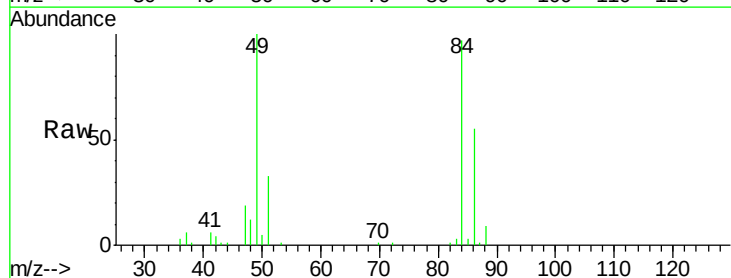
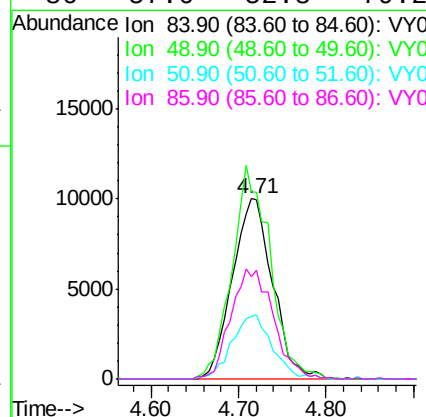
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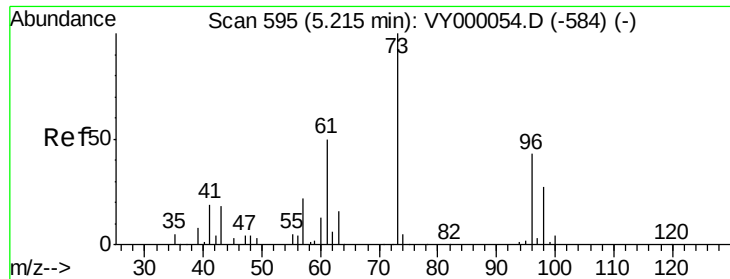
MMDadoda
9/24/2019 5:30:35 AM



#20
Methylene Chloride
Concen: 24.166 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion: 84 Resp: 32089
Ion Ratio Lower Upper
84 100
49 103.5 87.4 131.0
51 34.6 27.2 40.8
86 57.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.155 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 96 Resp: 21892

Ion Ratio Lower Upper

96 100

61 96.8 94.0 141.0

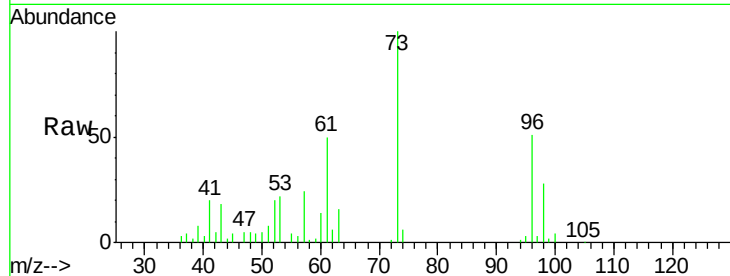
98 55.4 50.3 75.5

Manual Integrations

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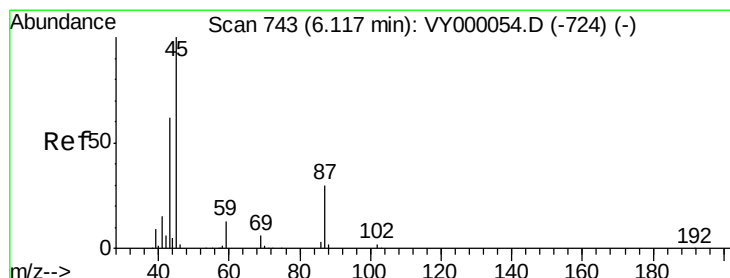
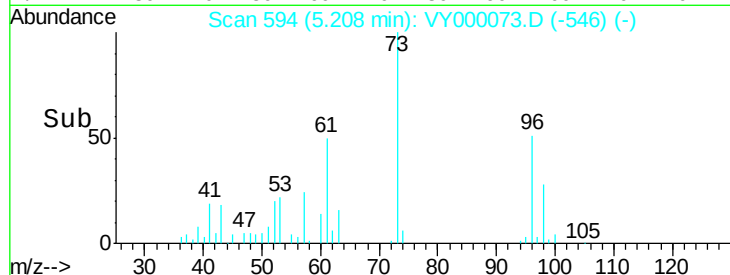
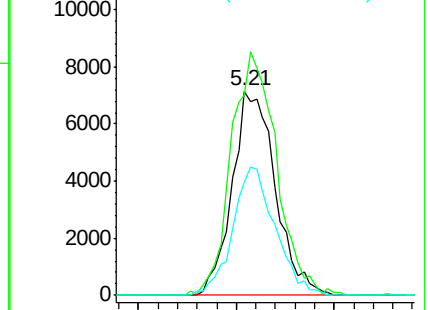
9/24/2019 5:30:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.214 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion: 45 Resp: 75317

Ion Ratio Lower Upper

45 100

43 55.8 49.9 74.9

87 30.8 25.0 37.4

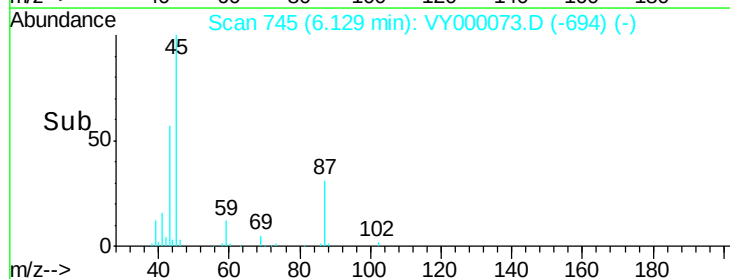
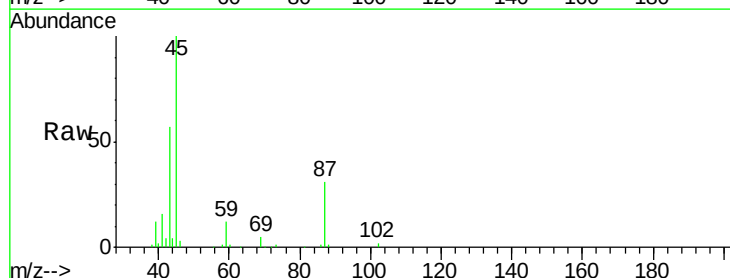
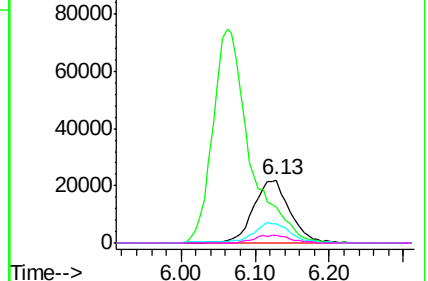
59 12.2 10.4 15.6

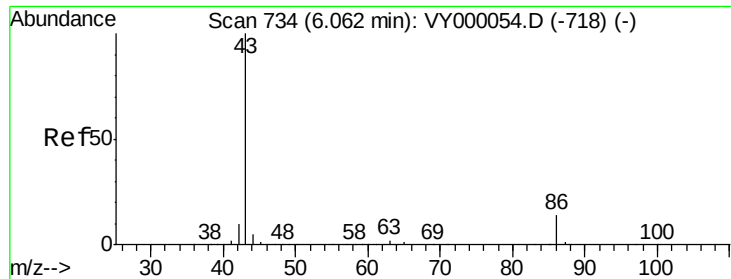
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 108.006 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 43 Resp: 256639

Ion Ratio Lower Upper

43 100

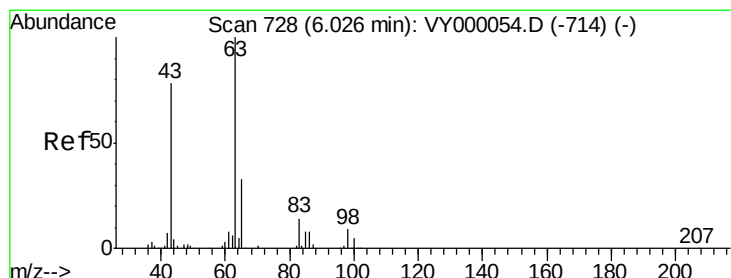
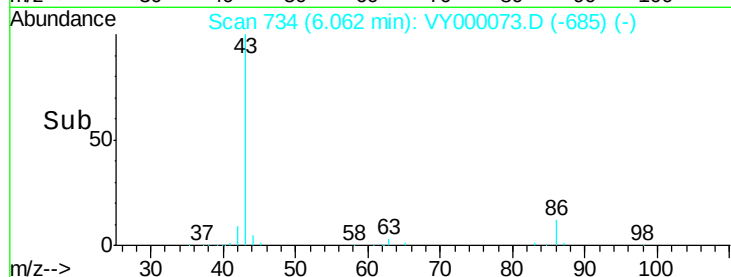
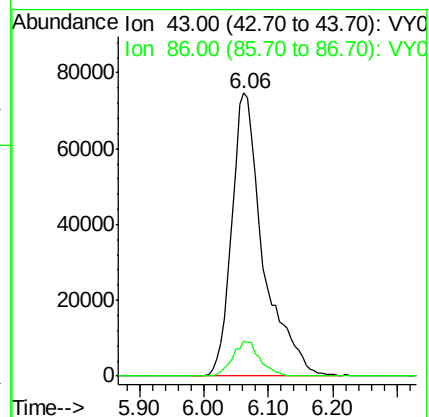
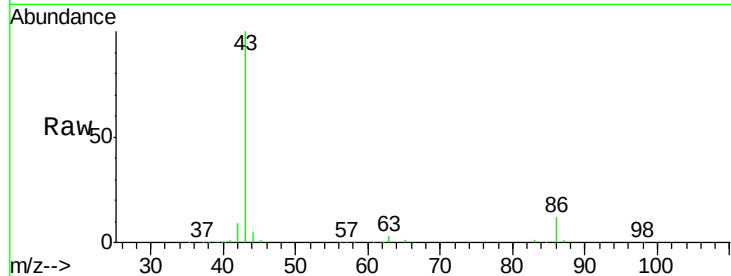
86 12.4 11.3 16.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.255 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

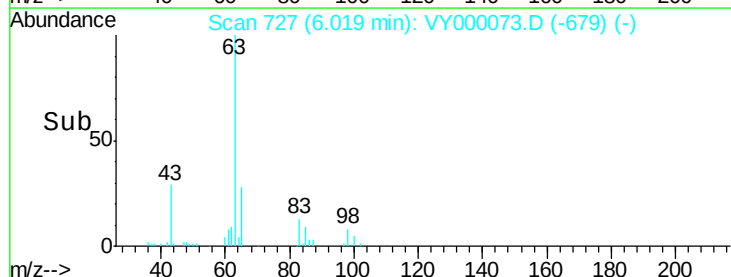
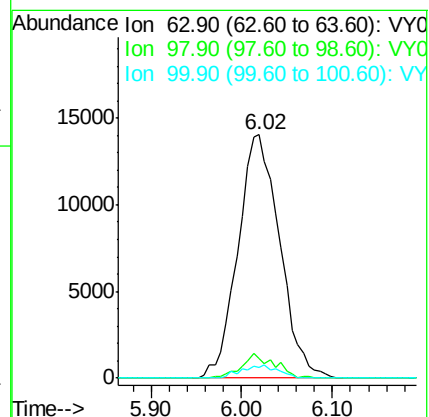
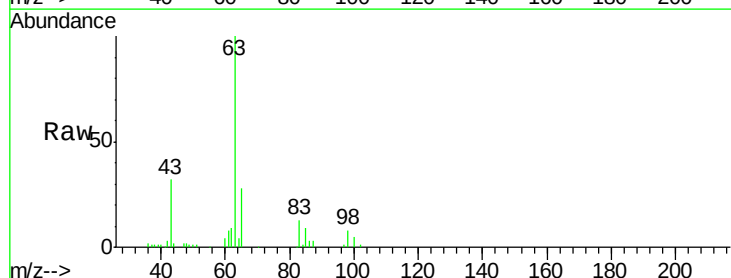
Tgt Ion: 63 Resp: 44663

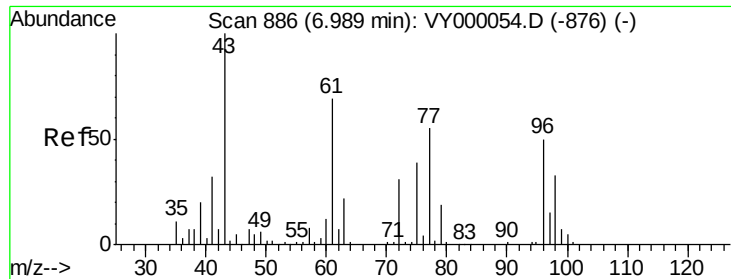
Ion Ratio Lower Upper

63 100

98 8.1 4.5 13.5

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 104.258 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 43 Resp: 53302

Ion Ratio Lower Upper

43 100

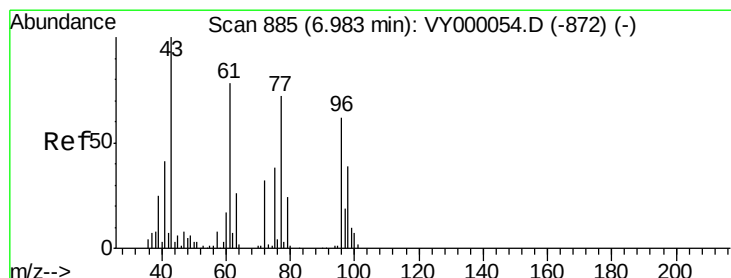
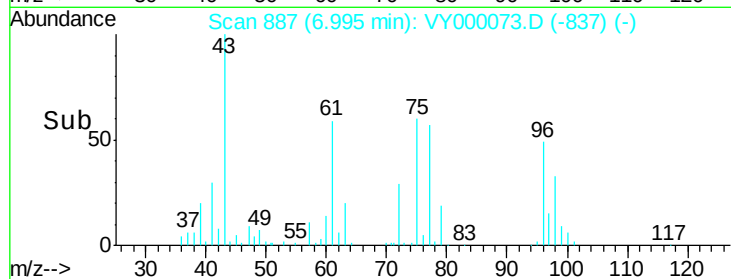
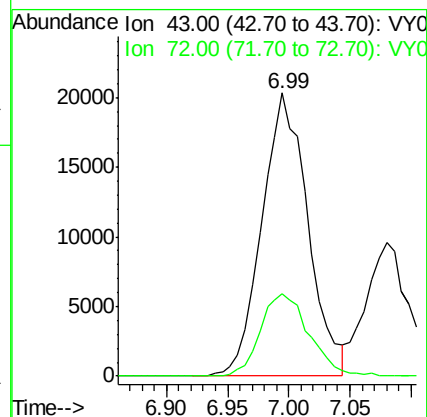
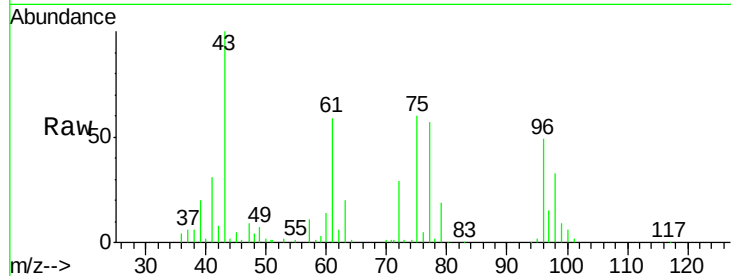
72 29.2 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:30:35 AM



#26

2,2-Dichloropropane

Concen: 20.241 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000073.D

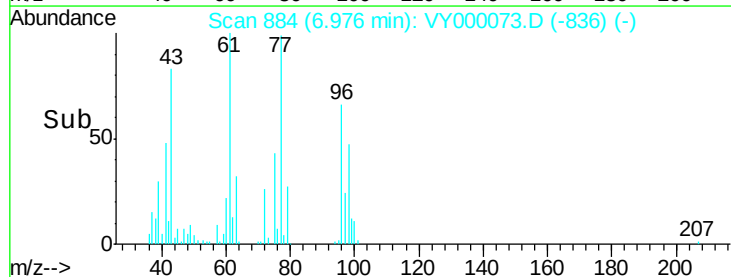
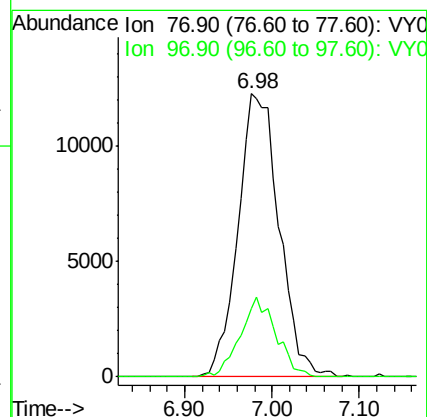
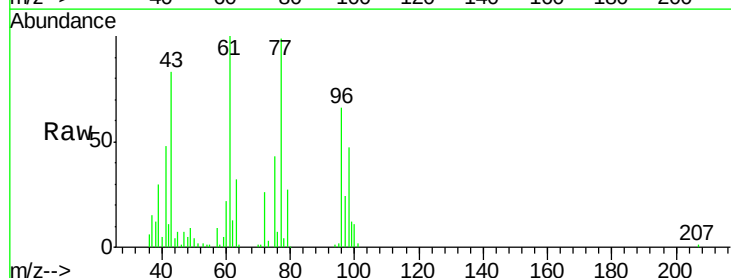
Acq: 19 Sep 2019 13:39

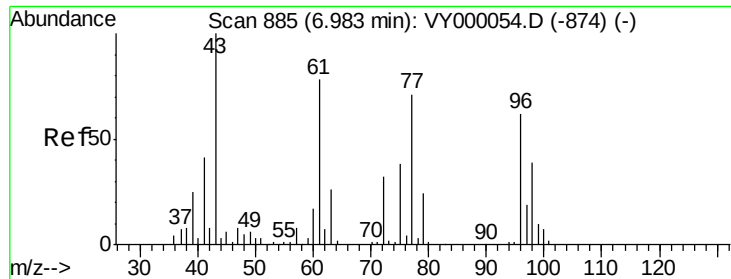
Tgt Ion: 77 Resp: 40140

Ion Ratio Lower Upper

77 100

97 24.5 12.5 37.5





#27

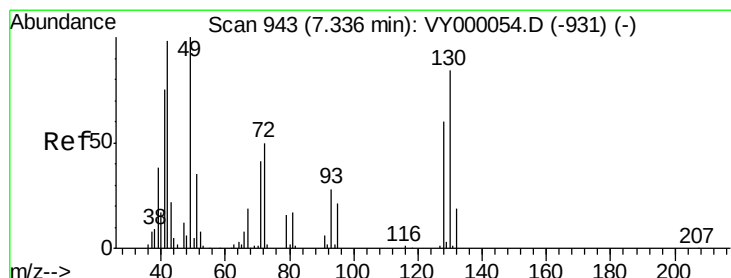
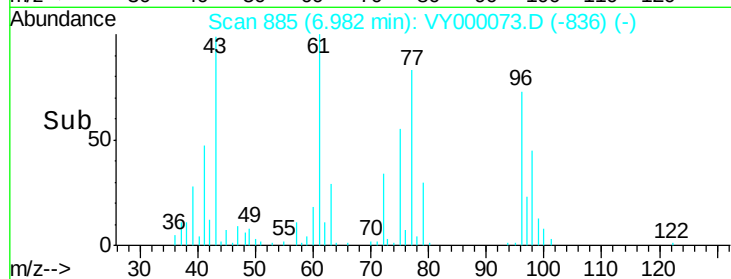
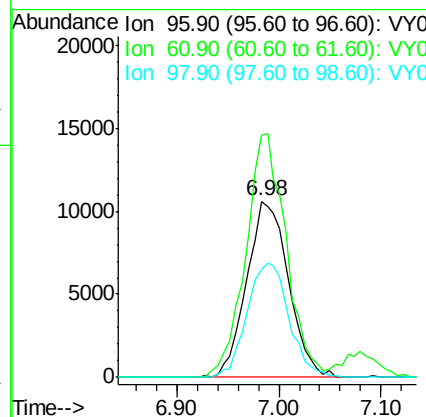
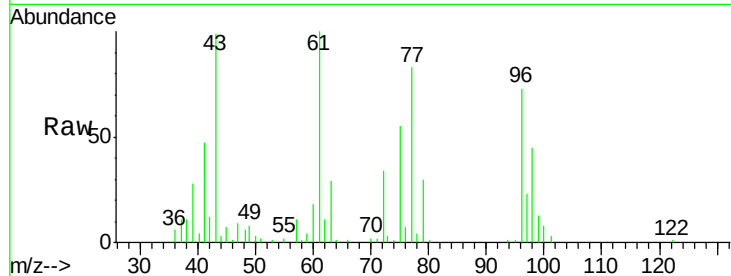
cis-1,2-Dichloroethene
Concen: 20.818 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	263.0	
98	65.2	0.0	130.2	

Manual Integrations
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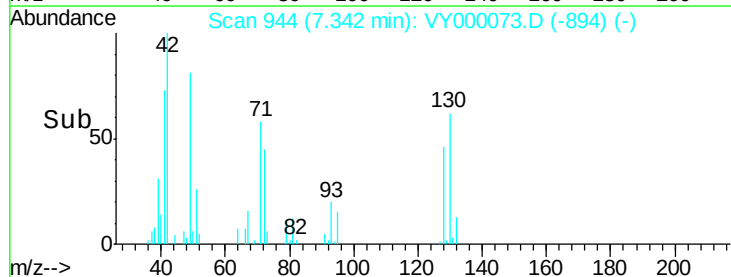
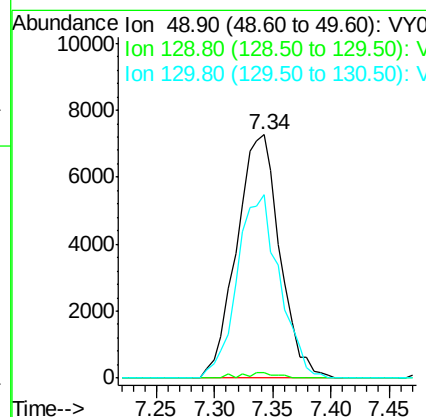
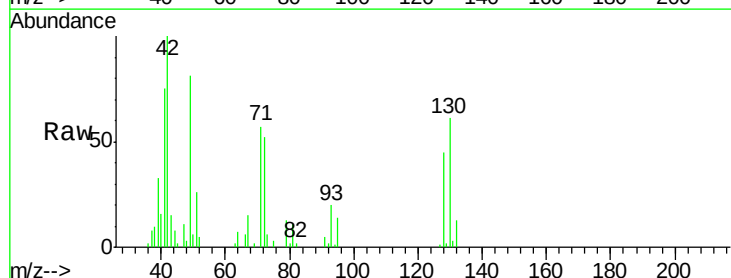
MMDadoda
9/24/2019 5:30:35 AM

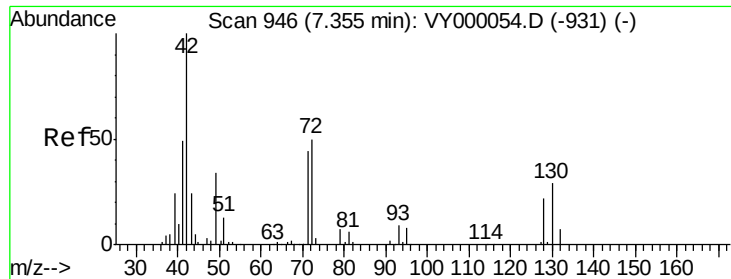


#28

Bromochloromethane
Concen: 19.222 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	4.8	
130	74.2	66.2	99.4	





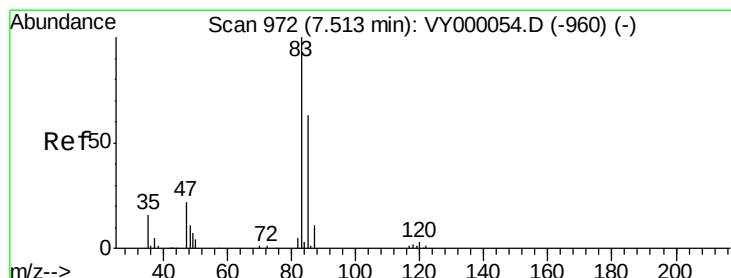
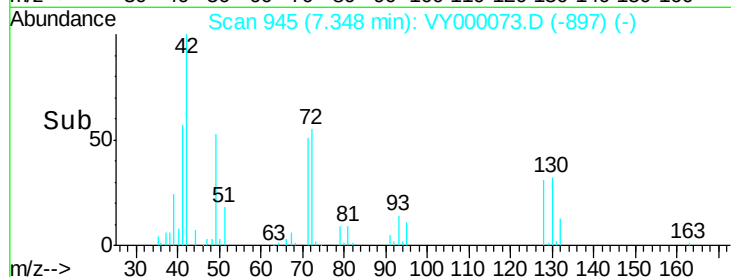
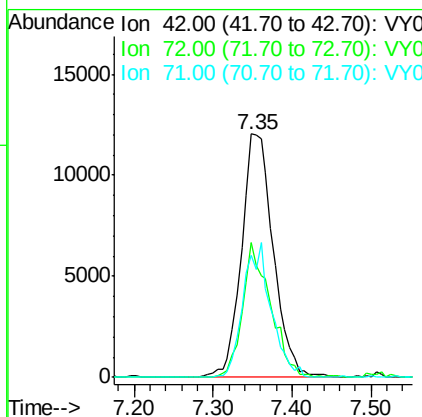
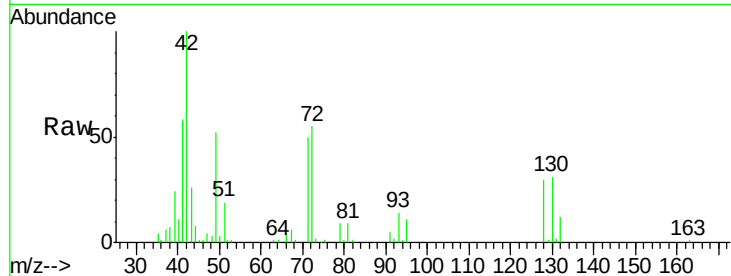
#29
Tetrahydrofuran
Concen: 110.062 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	41.8	62.6
71	48.5	38.6	58.0

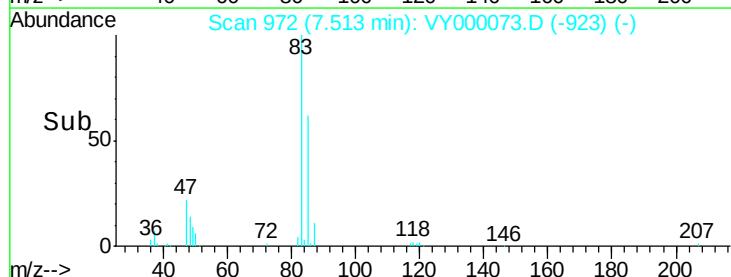
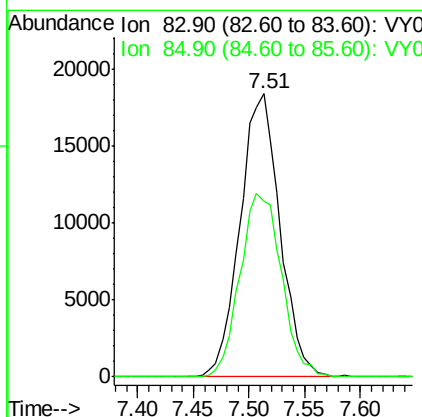
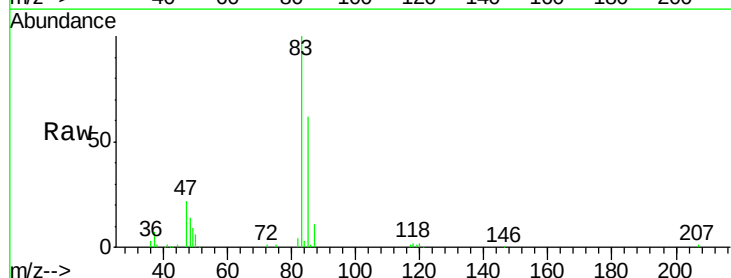
Manual Integrations
APPROVED

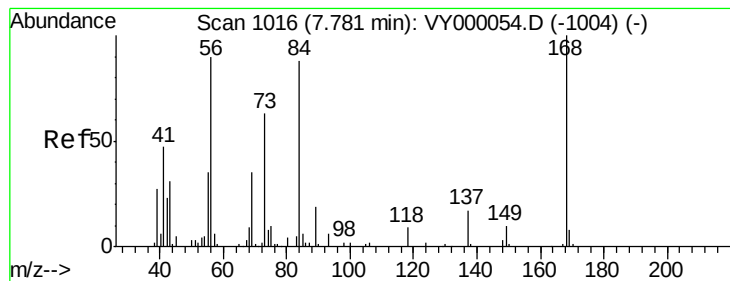
MMDadoda
9/24/2019 5:30:35 AM



#30
Chloroform
Concen: 21.131 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0





#31

Cyclohexane

Concen: 19.004 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

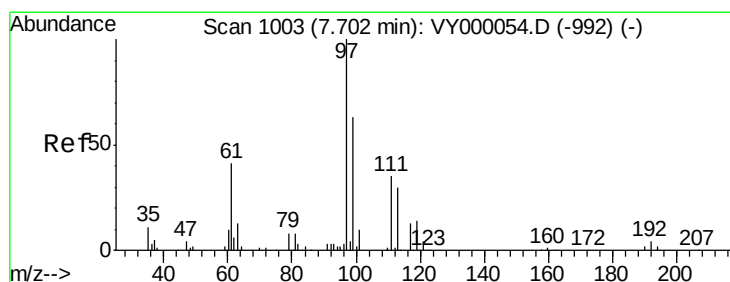
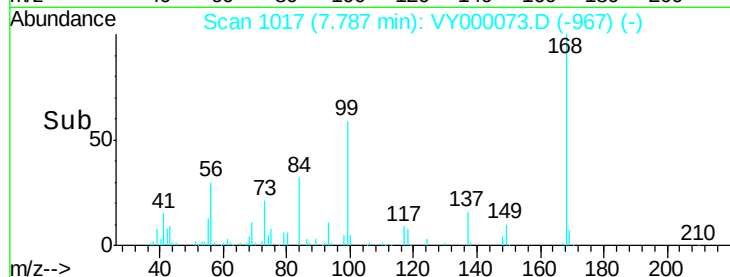
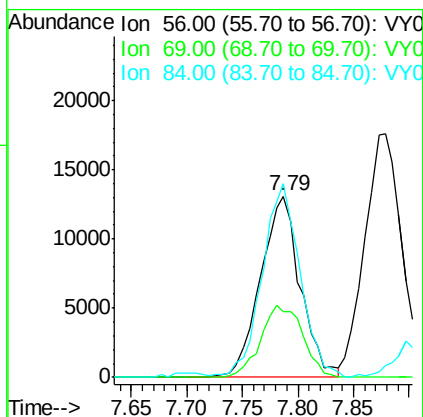
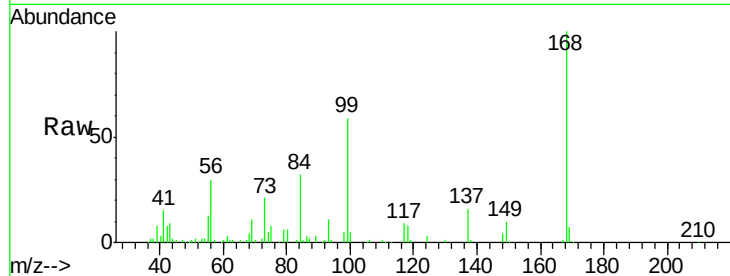
ClientSampleId :

VY0919SBS01

Tot Ion:	56	Resp:	32510
Ion Ratio	Lower	Upper	
56	100		
69	36.5	30.9	46.3
84	104.2	78.5	117.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.467 ug/l

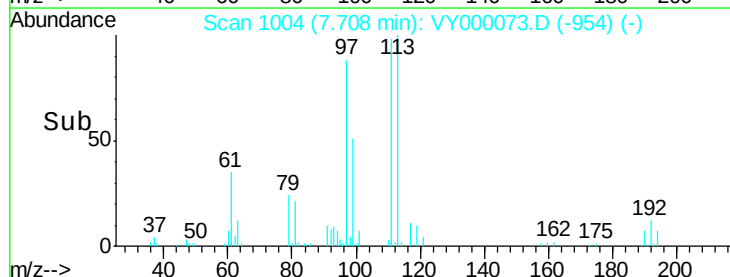
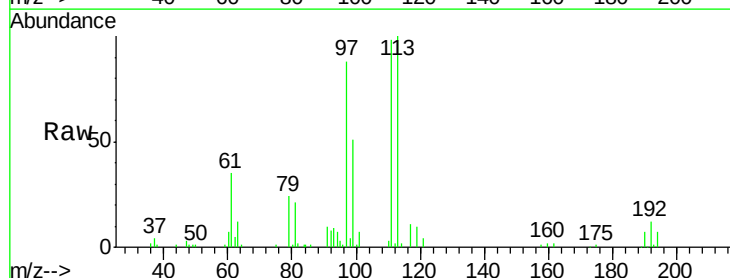
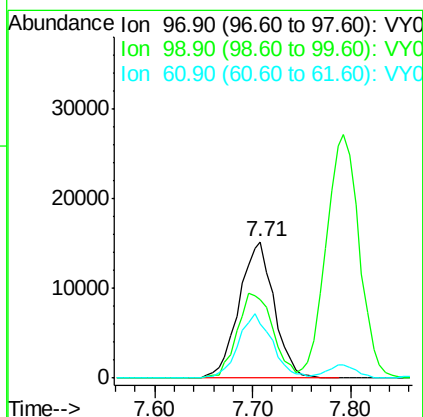
RT: 7.71 min Scan# 1004

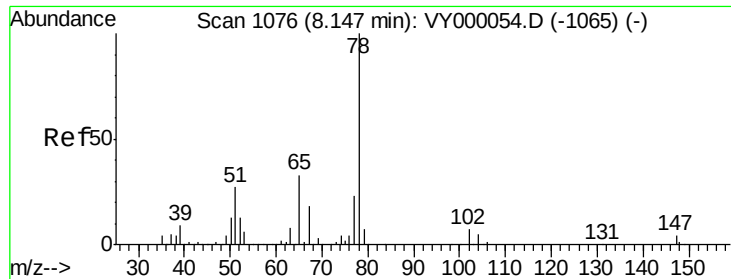
Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	97	Resp:	37811
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.8	77.6
61	45.4	34.3	51.5





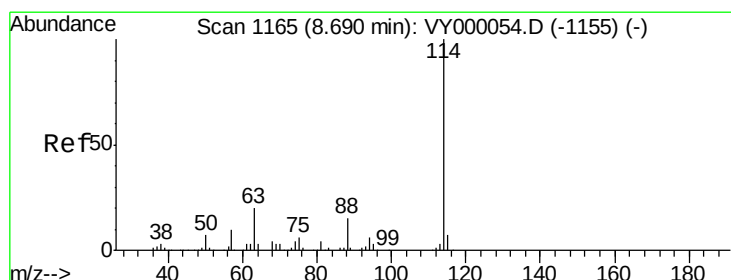
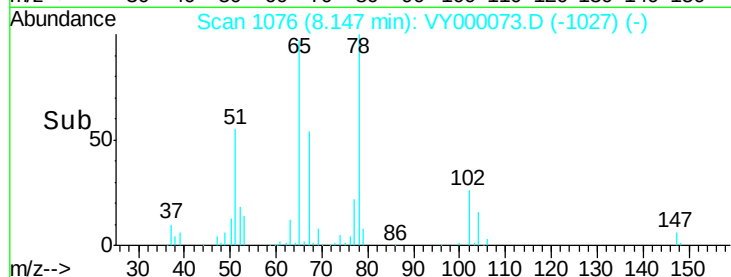
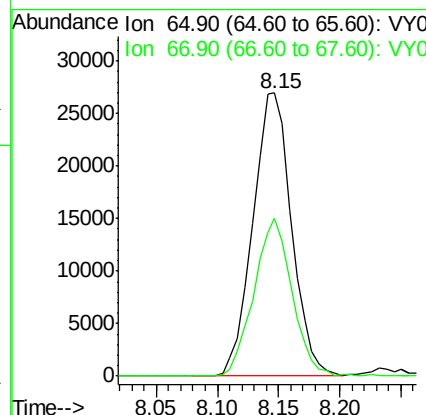
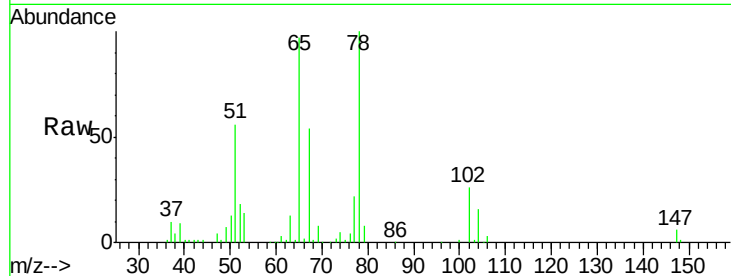
#33
 1,2-Dichloroethane-d4
 Concen: 49.020 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	65	Resp	59427
Ion Ratio	Lower	Upper	
65	100		
67	54.7	0.0	111.0

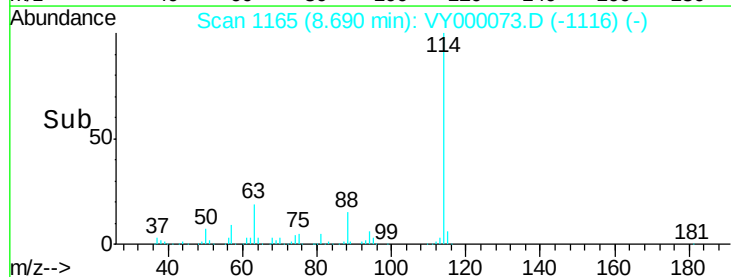
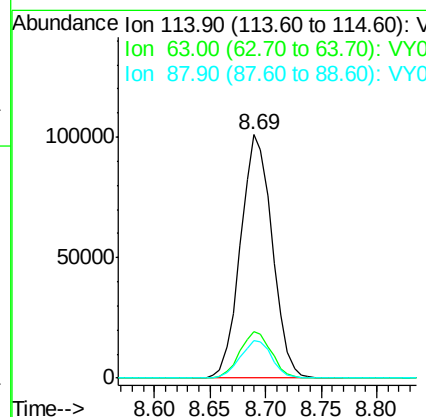
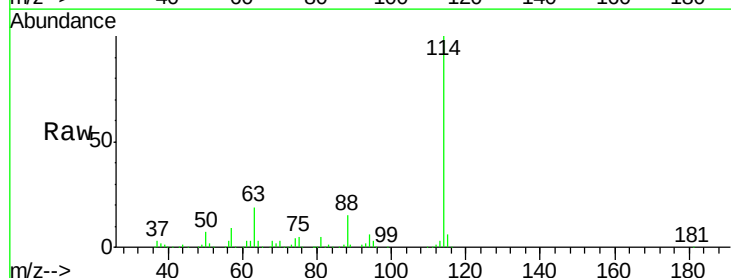
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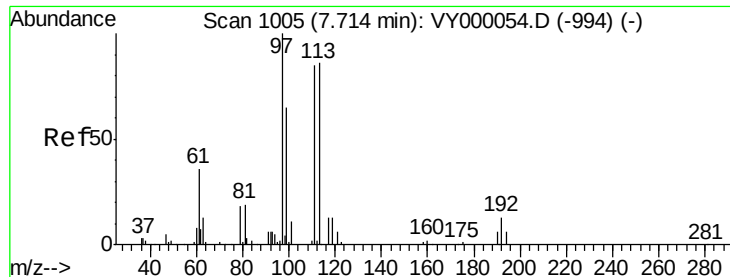
MMDadoda
 9/24/2019 5:30:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	114	Resp	198758
Ion Ratio	Lower	Upper	
114	100		
63	19.4	0.0	39.4
88	15.2	0.0	30.2





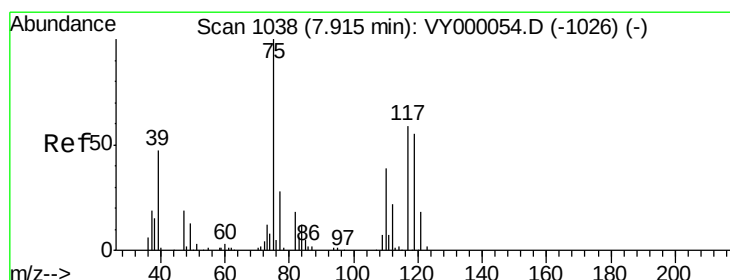
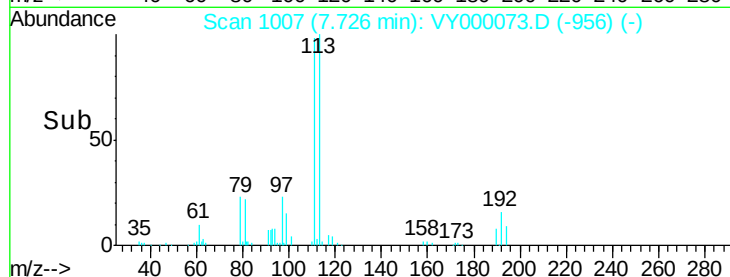
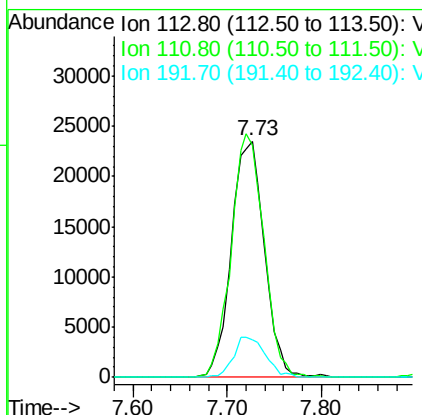
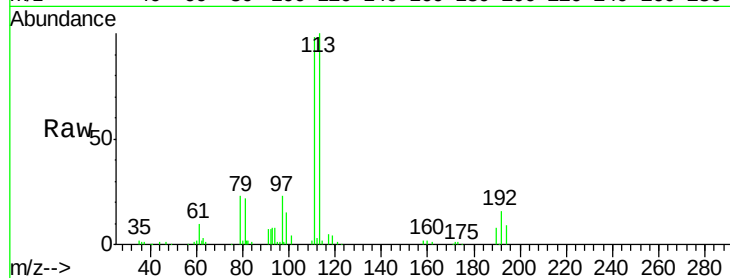
#35
 Dibromofluoromethane
 Concen: 47.812 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	16.6	13.4	20.2

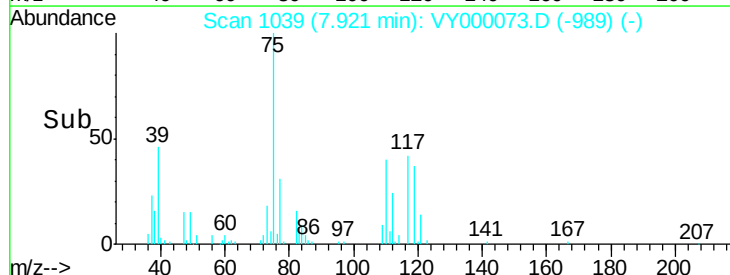
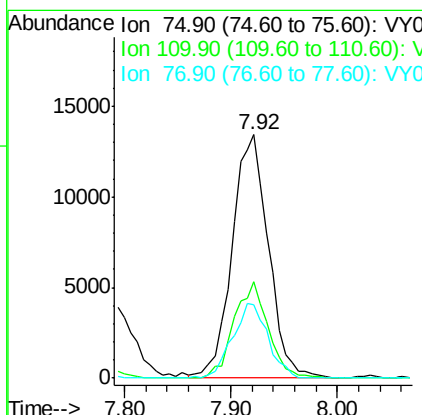
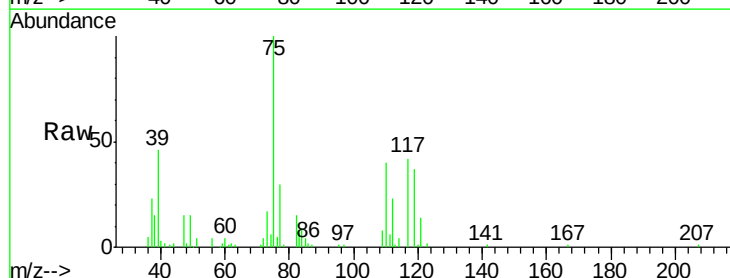
Manual Integrations
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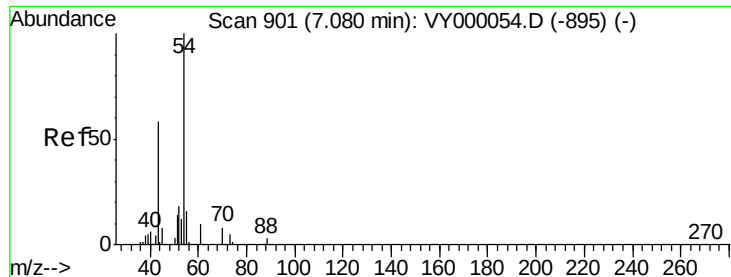
MMDadoda
 9/24/2019 5:30:35 AM



#36
 1,1-Dichloropropene
 Concen: 21.598 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	19.6	58.7
77	30.0	24.3	36.5





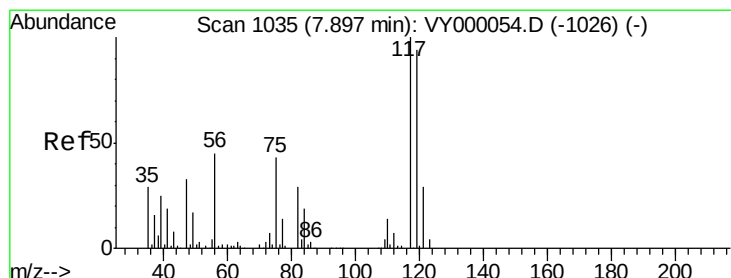
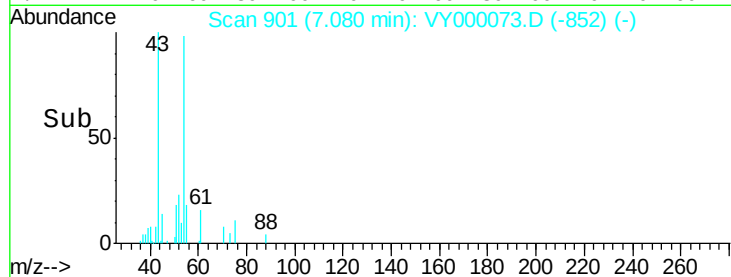
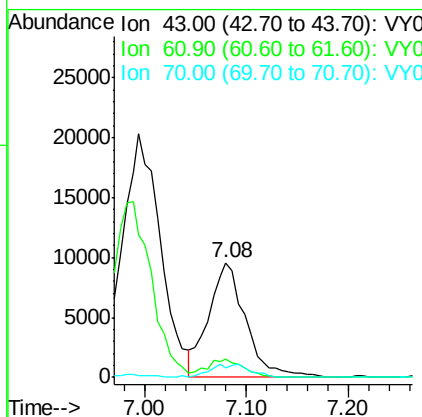
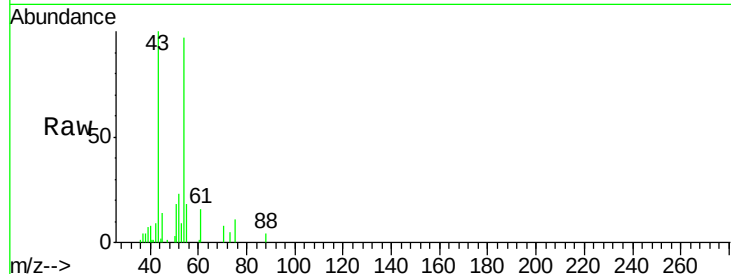
#37
Ethyl Acetate
Concen: 24.540 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	14.1	21.1
70	5.4	10.6	15.8#

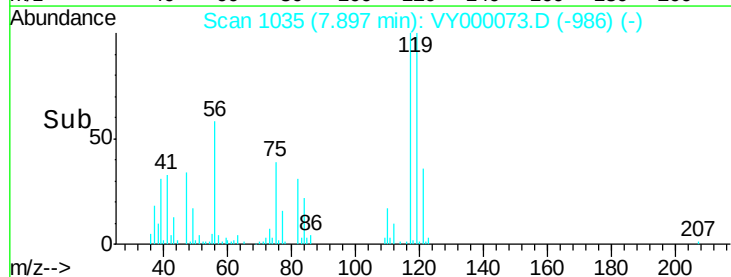
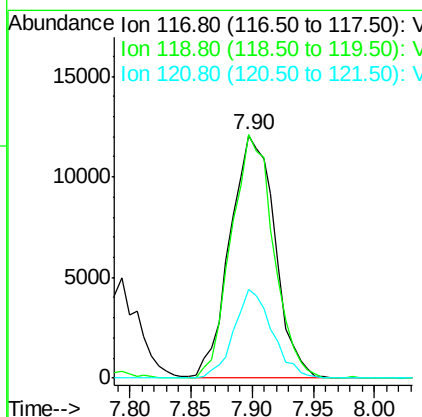
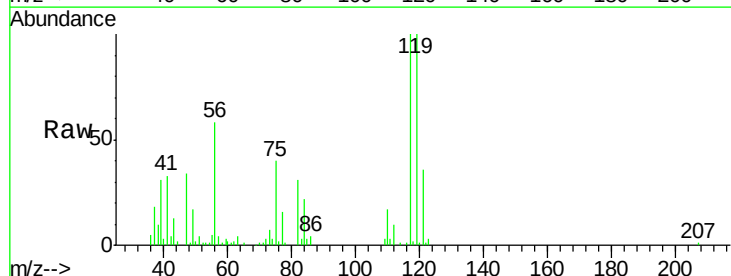
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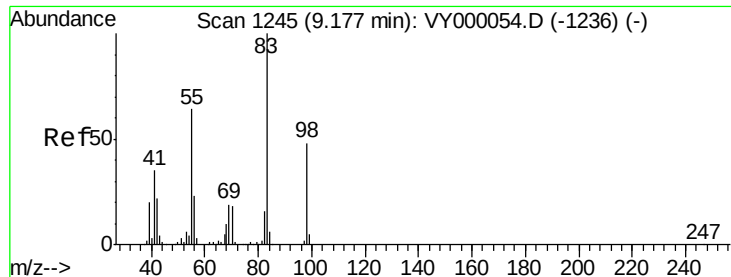
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#38
Carbon Tetrachloride
Concen: 21.869 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.0	112.6
121	36.5	22.8	34.2#





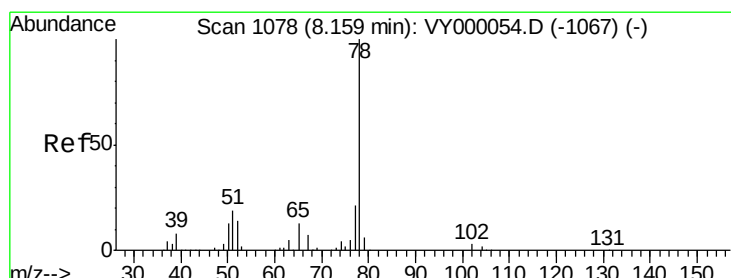
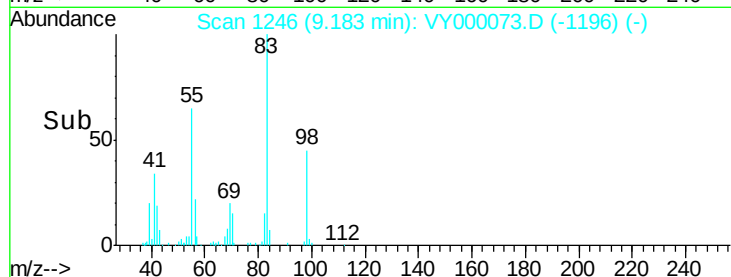
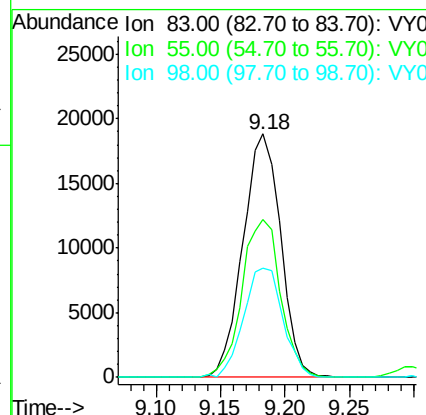
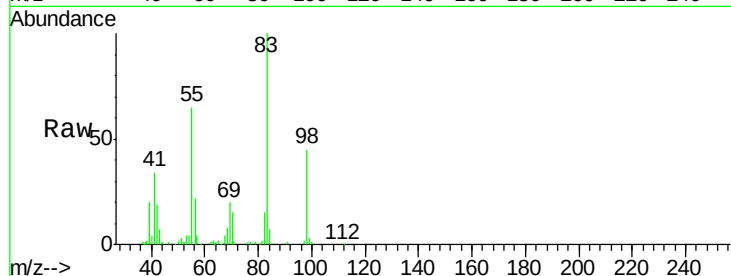
#39
Methylvlcyclohexane
Concen: 20.884 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.8	51.0	76.6
98	45.1	38.5	57.7

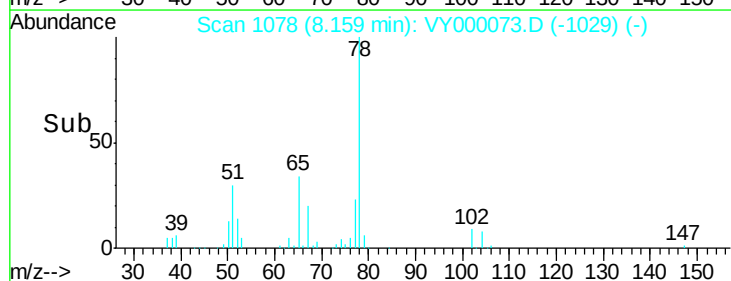
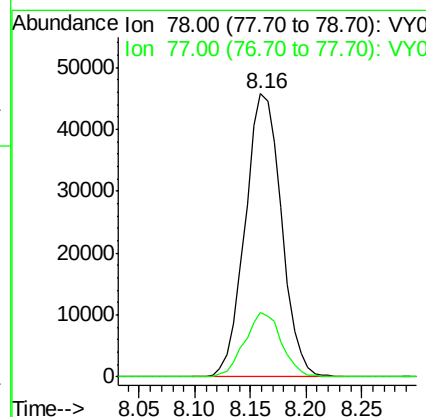
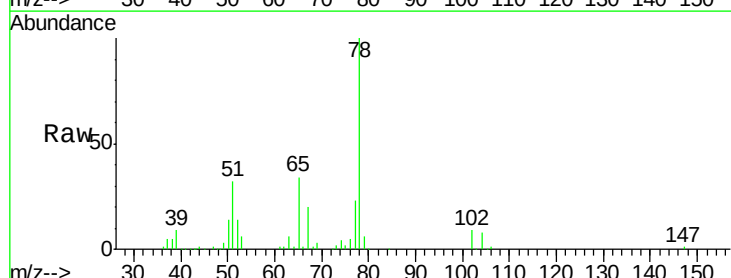
Manual Integrations
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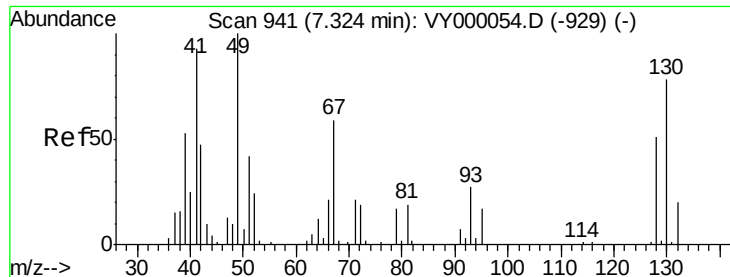
MMDadoda
9/24/2019 5:30:35 AM



#40
Benzene
Concen: 21.177 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	16.8	25.2





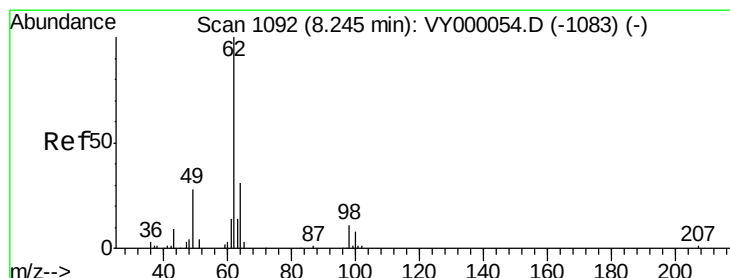
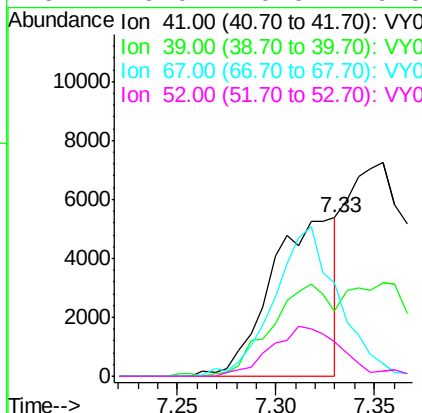
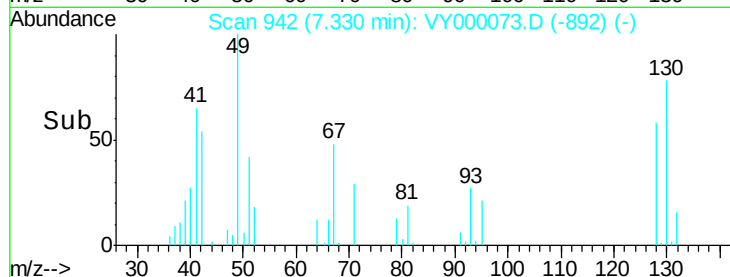
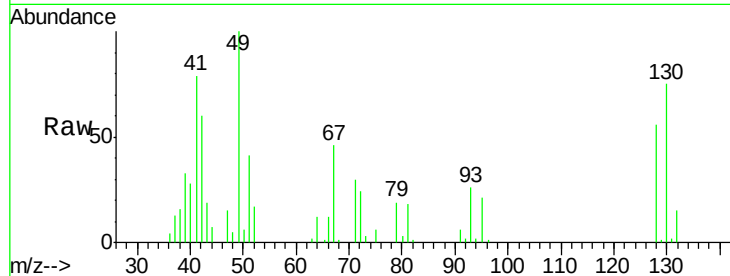
#41
Methacrylonitrile
Concen: 19.659 ug/l m
RT: 7.33 min Scan# 942
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	41	Resp	12589
Ion Ratio	Lower	Upper	
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

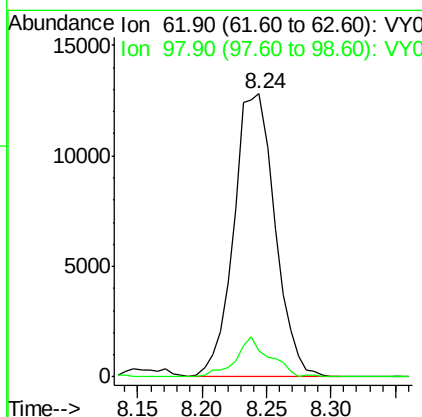
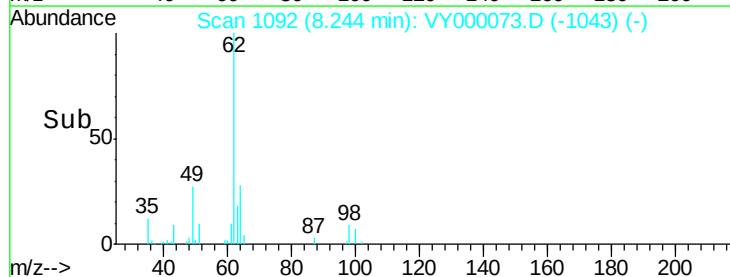
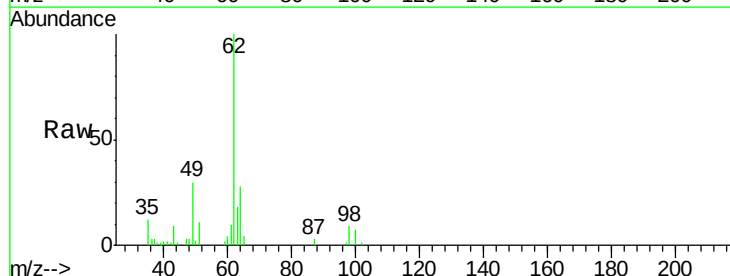
Manual Integrations
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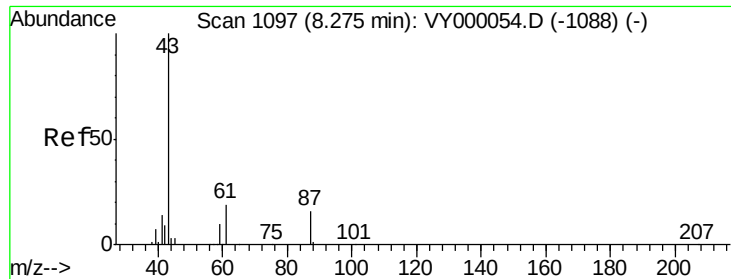
MMDadoda
9/24/2019 5:30:35 AM



#42
1,2-Dichloroethane
Concen: 21.850 ug/l
RT: 8.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	62	Resp	28410
Ion Ratio	Lower	Upper	
62	100		
98	11.6	0.0	23.6





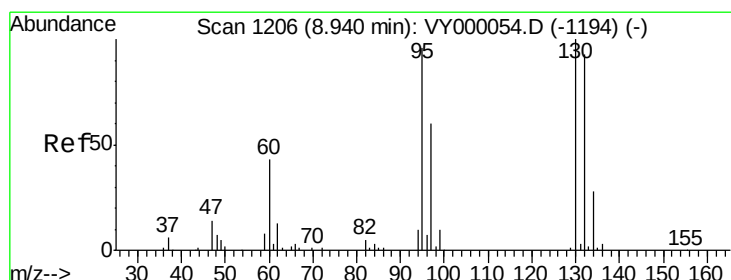
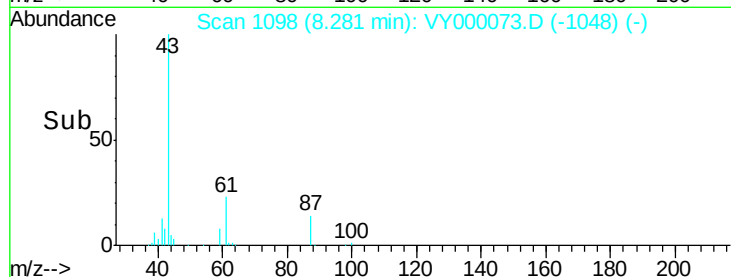
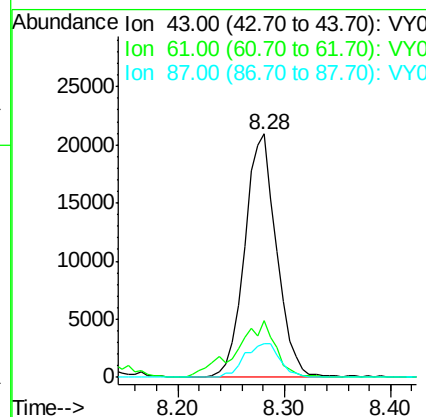
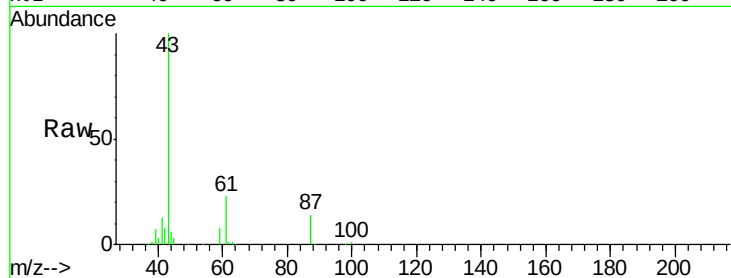
#43
Isopropyl Acetate
Concen: 22.697 ug/l
RT: 8.28 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	25.0	37.6
87	15.6	12.4	18.6

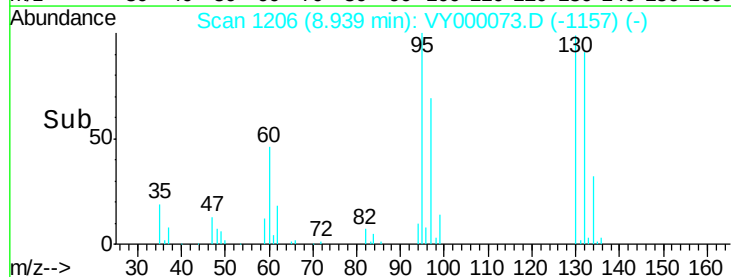
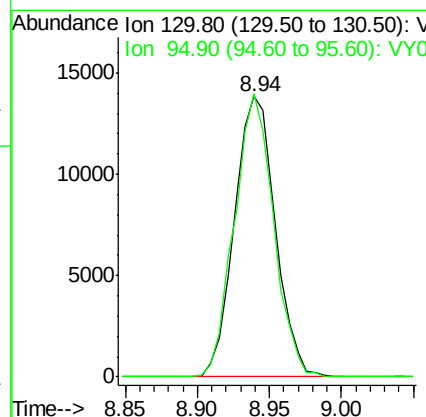
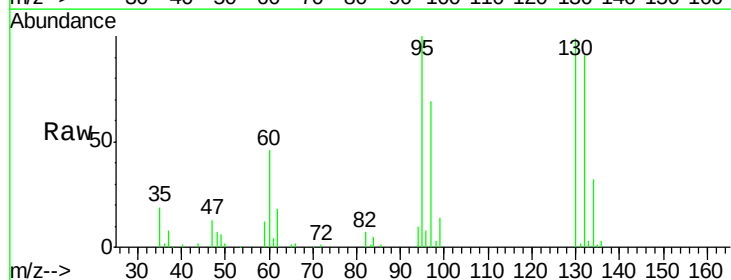
Manual Integrations
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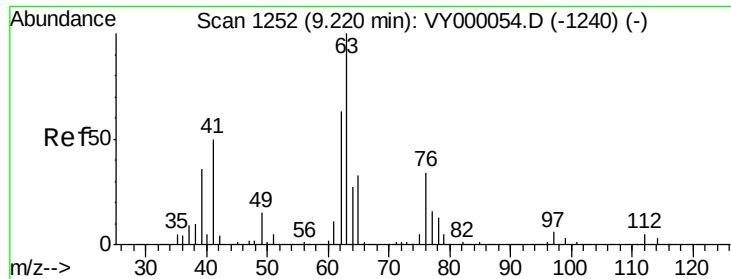
MMDadoda
9/24/2019 5:30:35 AM



#44
Trichloroethene
Concen: 21.758 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	192.0





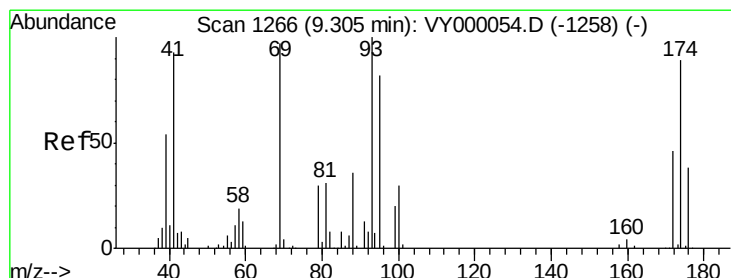
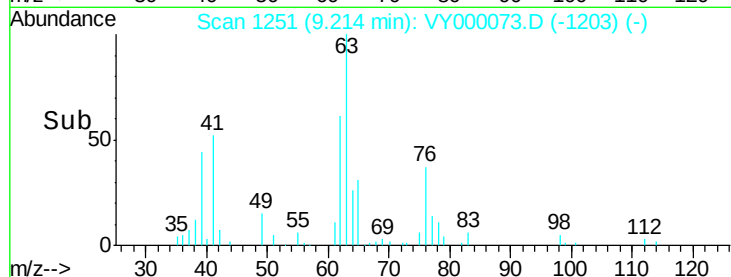
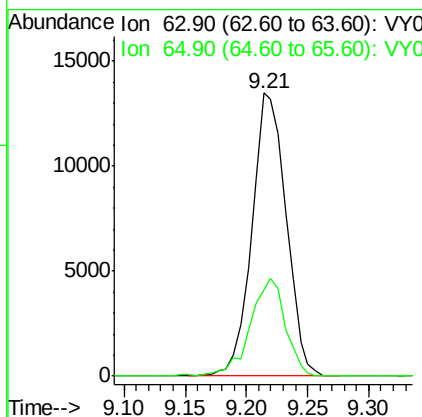
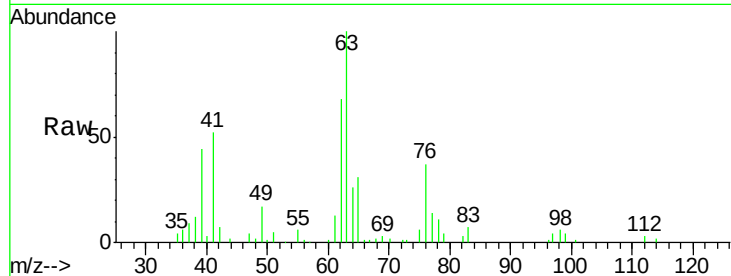
#45
 1,2-Dichloropropane
 Concen: 20.770 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion: 63 Resp: 26410
 Ion Ratio Lower Upper
 63 100
 65 30.7 26.2 39.4

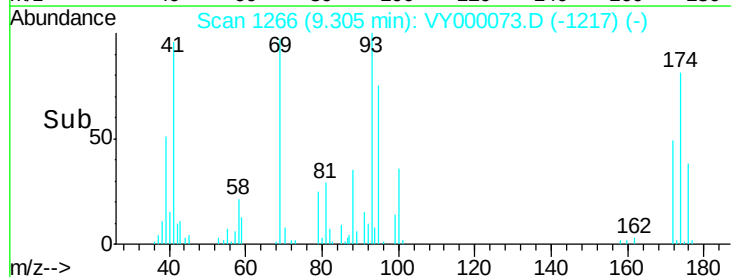
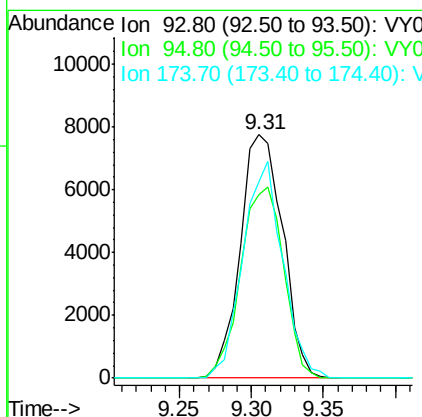
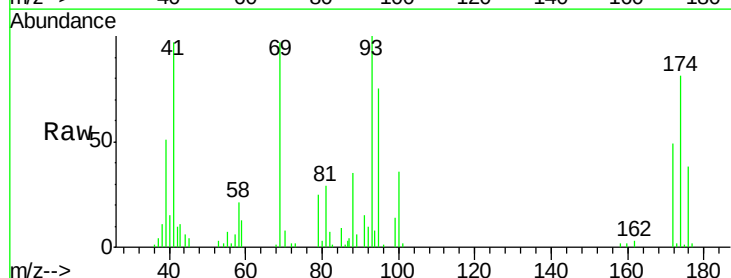
Manual Integrations
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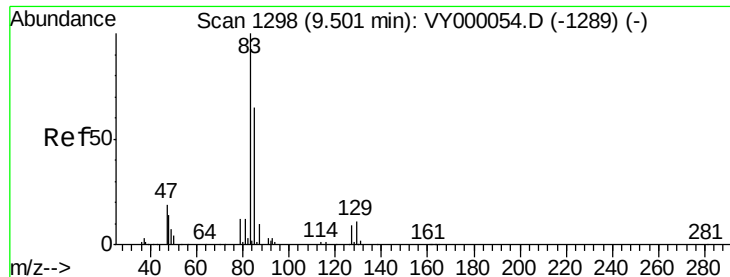
MMDadoda
 9/24/2019 5:30:35 AM



#46
 Dibromomethane
 Concen: 22.783 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion: 93 Resp: 15824
 Ion Ratio Lower Upper
 93 100
 95 79.2 68.1 102.1
 174 83.5 67.8 101.6





#47

Bromodichloromethane

Concen: 21.586 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

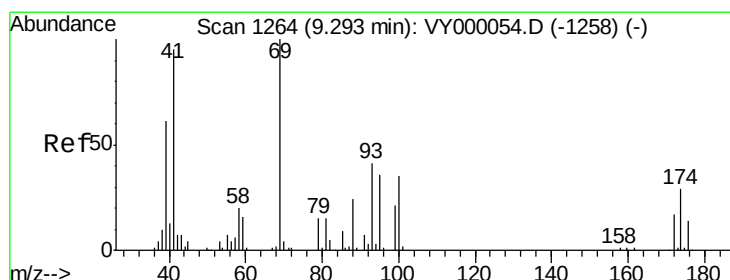
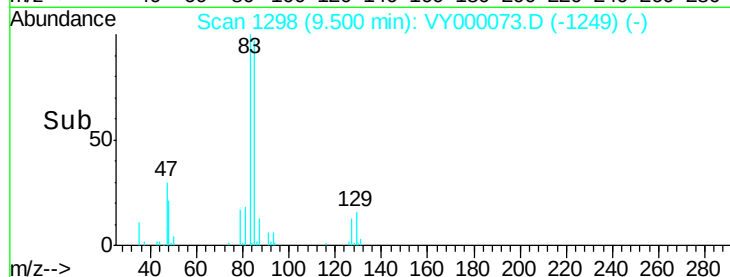
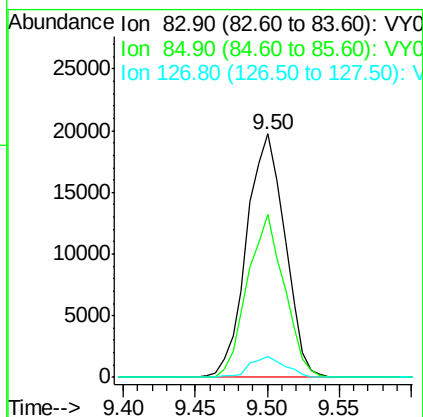
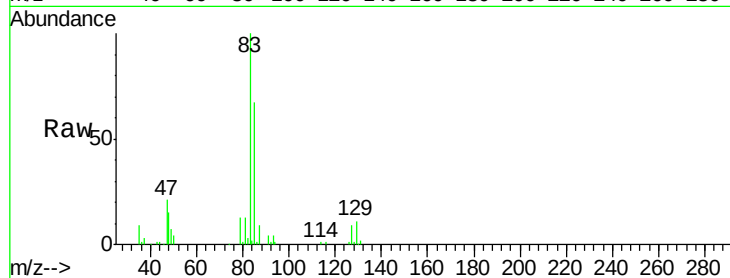
ClientSampleId :

VY0919SBS01

Tot Ion:	83	Resp:	36381
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.3	78.5
127	8.7	6.8	10.2

Manual Integrations
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MMDadoda
9/24/2019 5:30:35 AM



#48

Methyl methacrylate

Concen: 22.379 ug/l

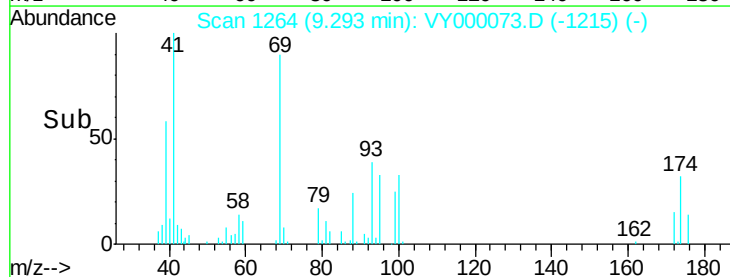
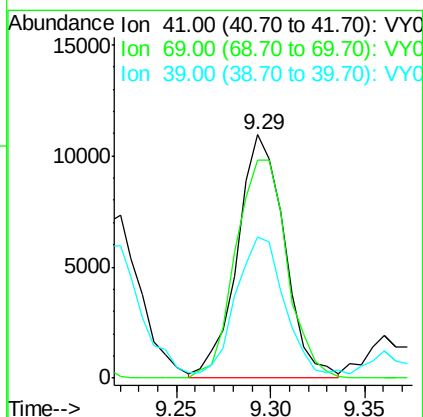
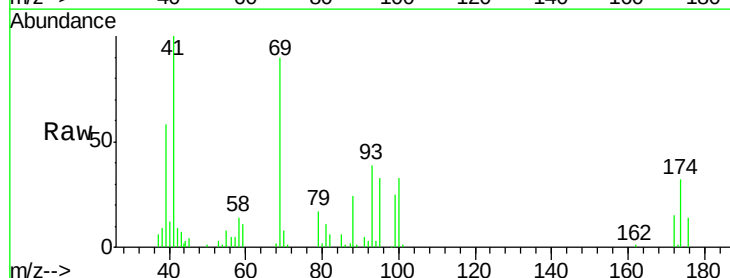
RT: 9.29 min Scan# 1264

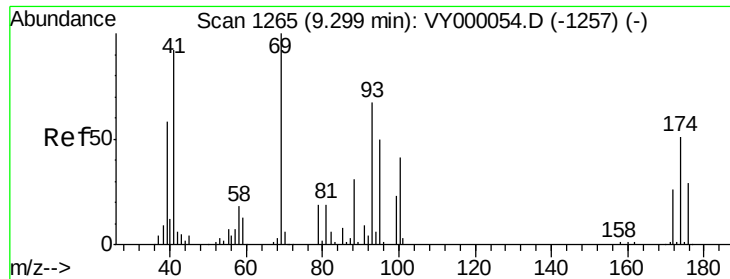
Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	41	Resp:	19068
Ion	Ratio	Lower	Upper
41	100		
69	96.9	78.1	117.1
39	60.0	49.4	74.0





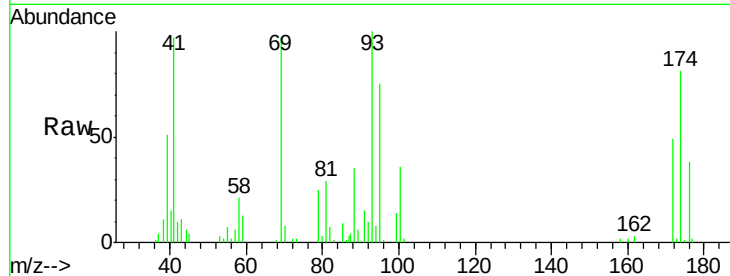
#49
1,4-Dioxane
Concen: 452.064 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	18.7	28.1#
58	62.6	53.0	79.6

Manual Integrations
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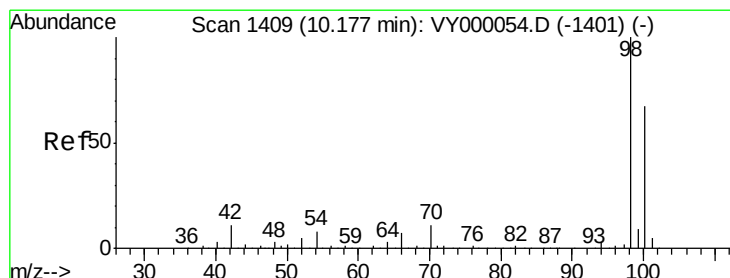
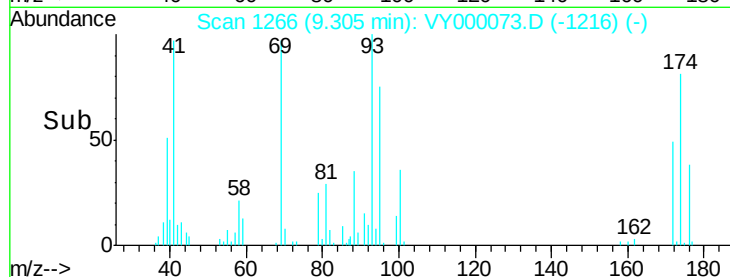
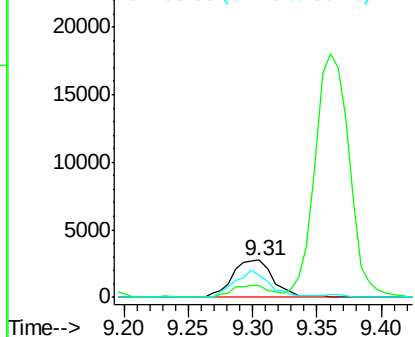


Abundance

Ion 88.00 (87.70 to 88.70): VY0

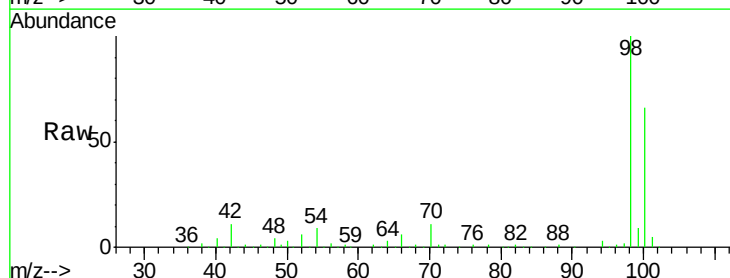
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 49.069 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

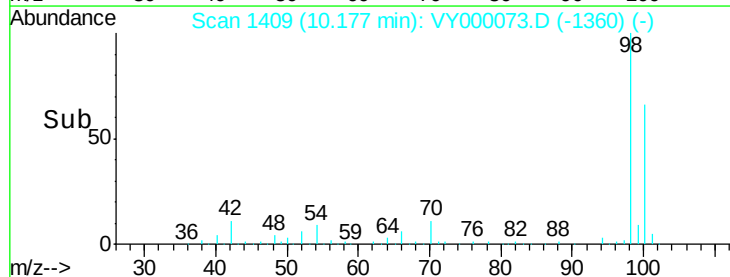
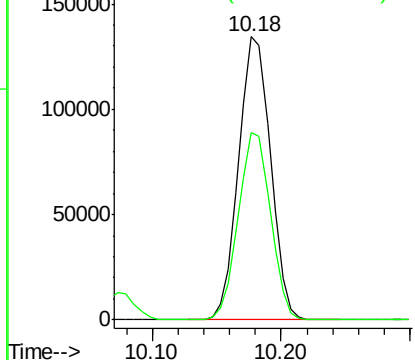
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7

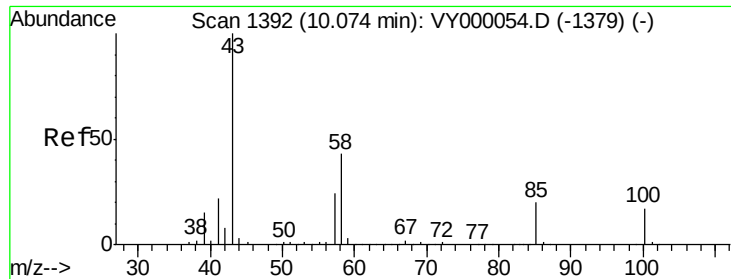


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





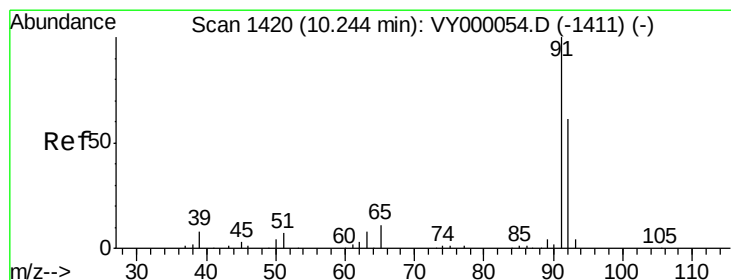
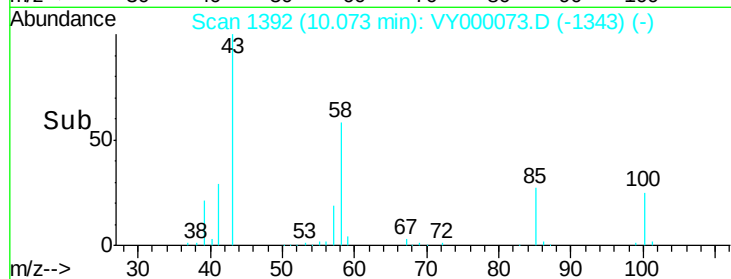
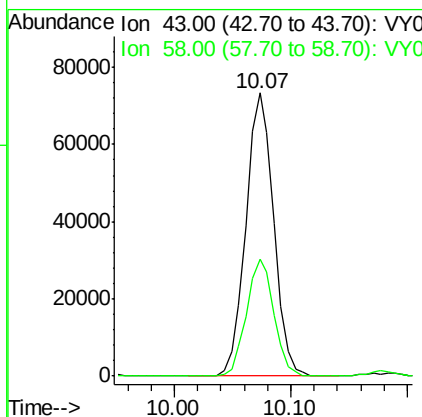
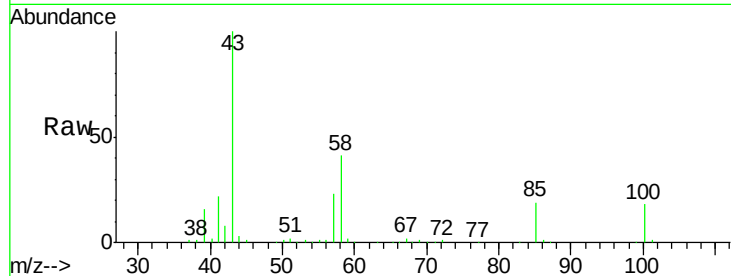
#51
4-Methyl-2-Pentanone
Concen: 115.180 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	43	58	Resp	Lower	Upper
121837	100	40.8	34.2	51.2	

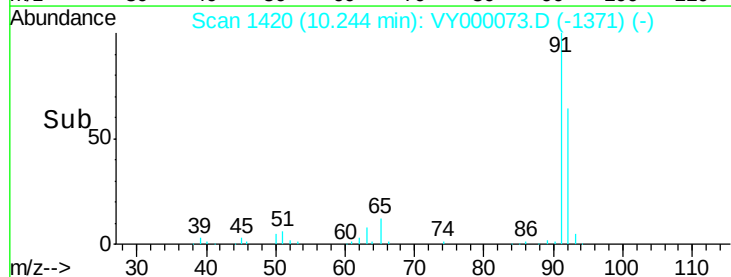
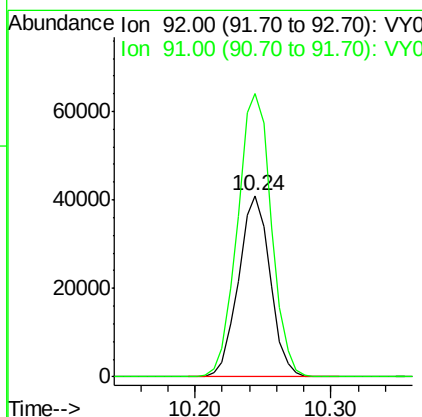
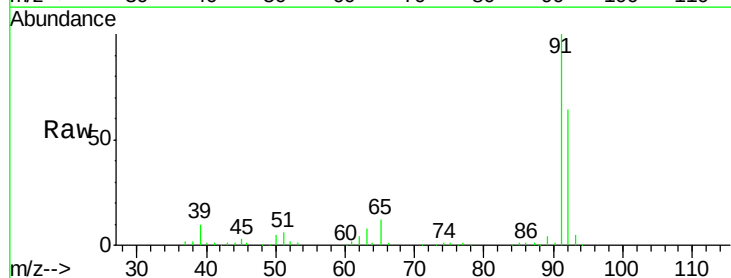
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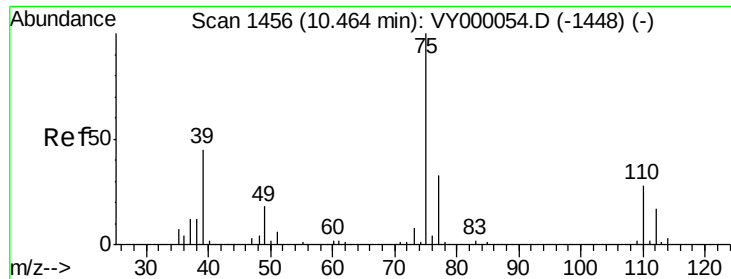
MMDadoda
9/24/2019 5:30:35 AM



#52
Toluene
Concen: 21.378 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	92	91	Resp	Lower	Upper
66670	100	167.1	135.8	203.6	





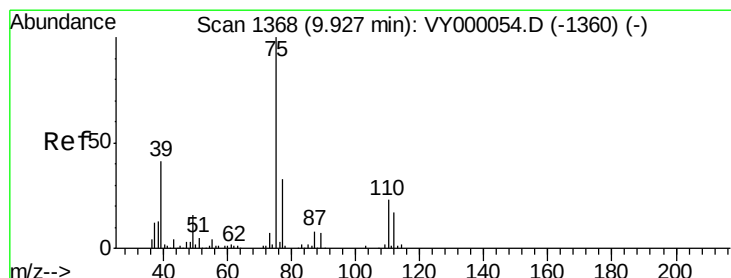
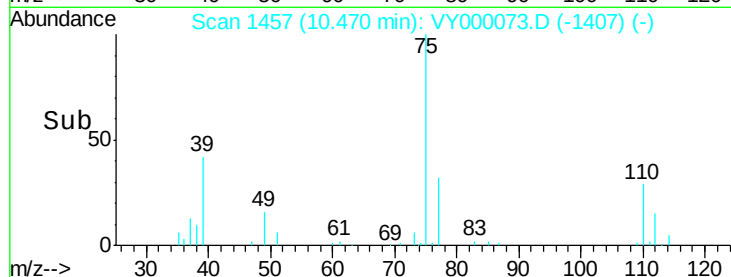
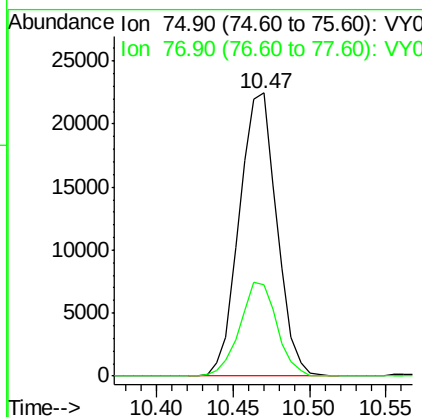
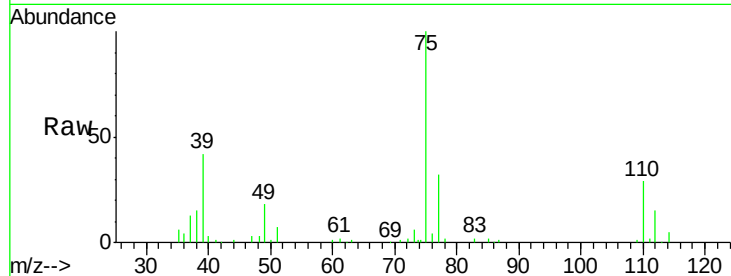
#53
t-1,3-Dichloropropene
Concen: 21.312 ug/l
RT: 10.47 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	75	Resp	38084
Ion Ratio	Lower	Upper	
75	100		
77	32.2	26.2	39.2

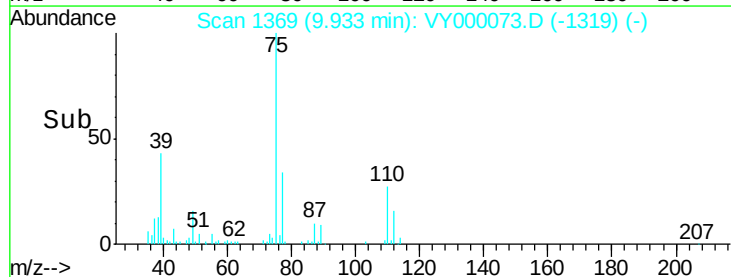
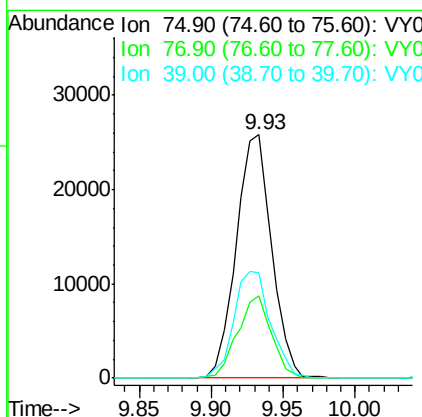
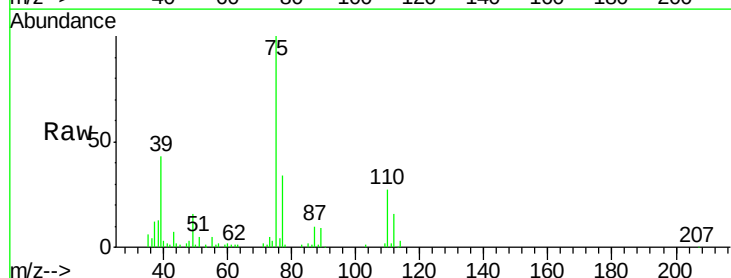
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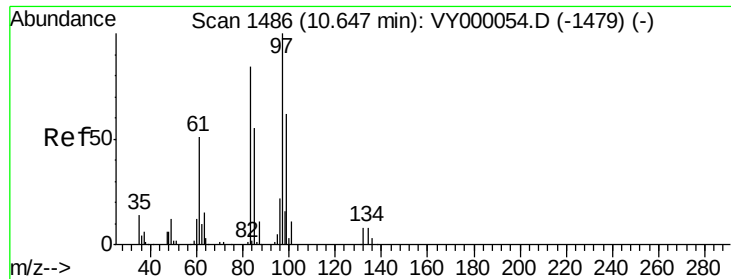
MMDadoda
9/24/2019 5:30:35 AM



#54
cis-1,3-Dichloropropene
Concen: 21.406 ug/l
RT: 9.93 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	75	Resp	44174
Ion Ratio	Lower	Upper	
75	100		
77	34.1	26.1	39.1
39	43.1	33.1	49.7





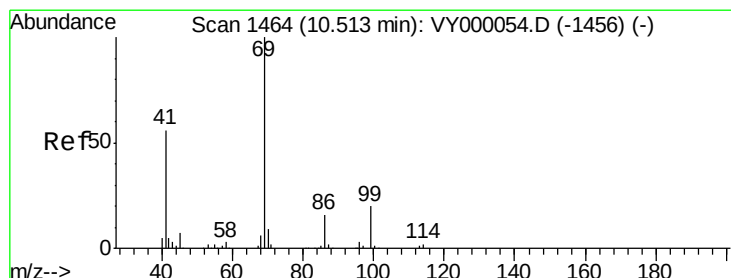
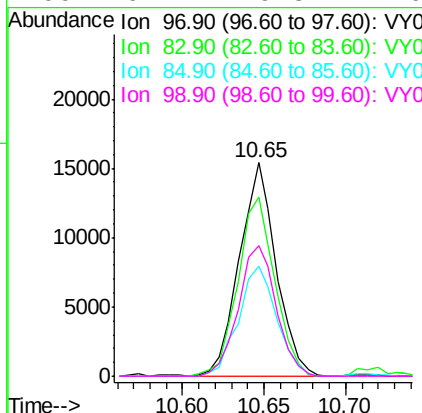
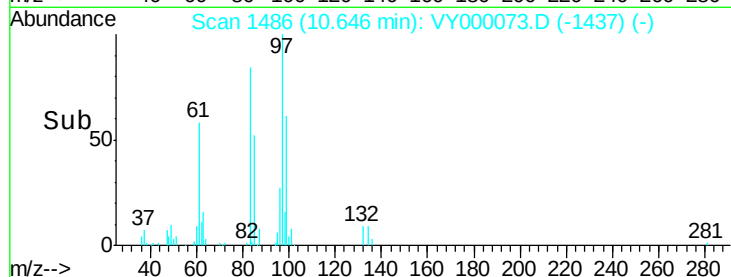
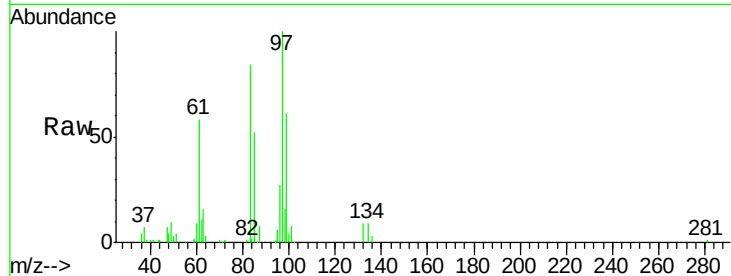
#55
 1,1,2-Trichloroethane
 Concen: 22.159 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion:	97	Resp:	24129
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.3	100.9
85	51.6	43.6	65.4
99	61.2	49.8	74.6

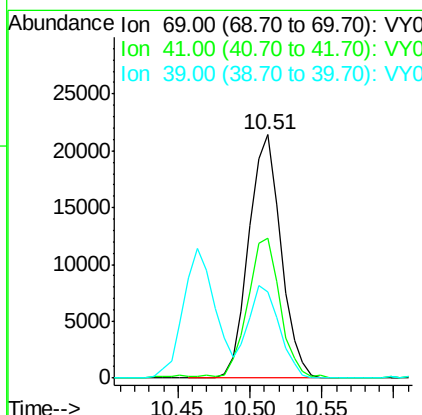
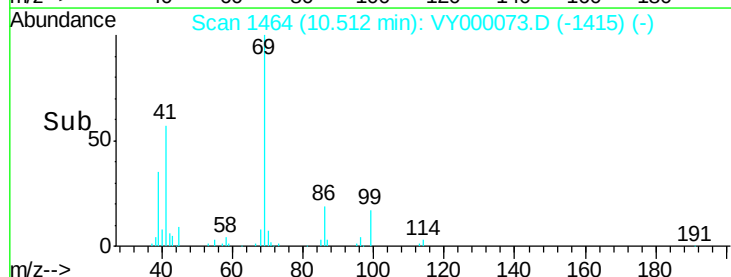
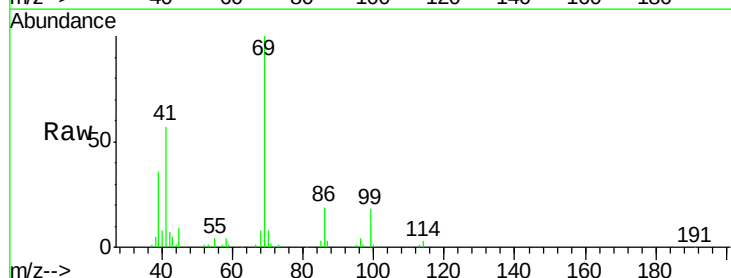
Manual Integrations
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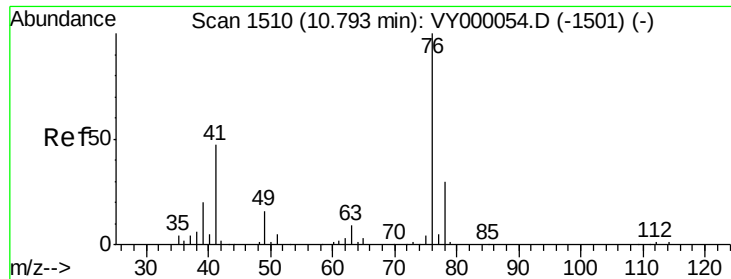
MMDadoda
 9/24/2019 5:30:35 AM



#56
 Ethyl methacrylate
 Concen: 21.255 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion:	69	Resp:	32933
Ion	Ratio	Lower	Upper
69	100		
41	58.6	45.6	68.4
39	37.4	27.3	40.9





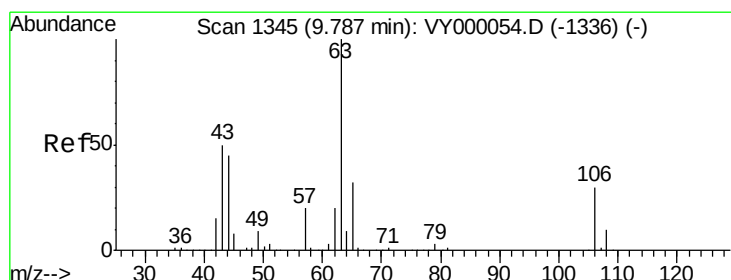
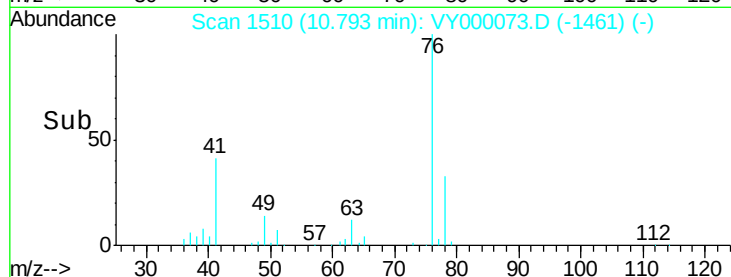
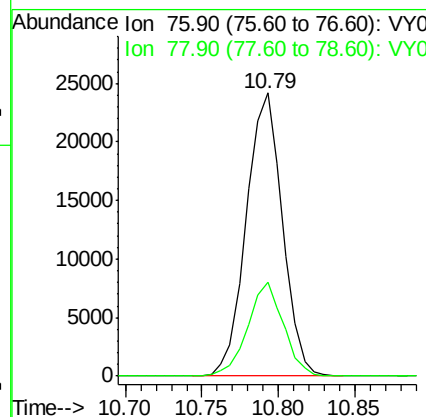
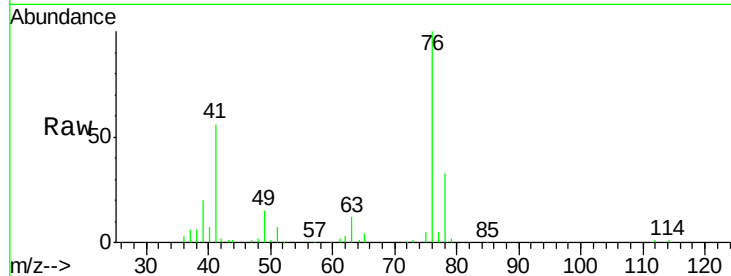
#57
 1,3-Dichloropropane
 Concen: 21.671 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion: 76 Resp: 39639
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 40.0

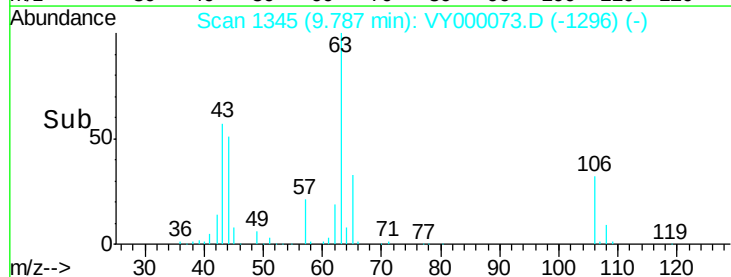
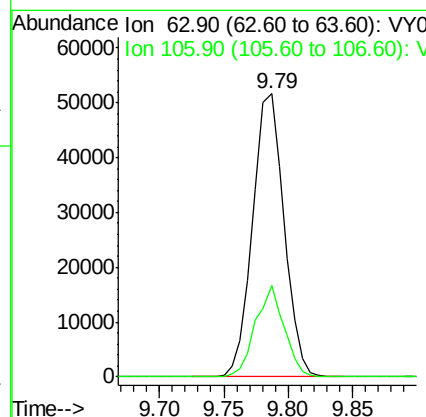
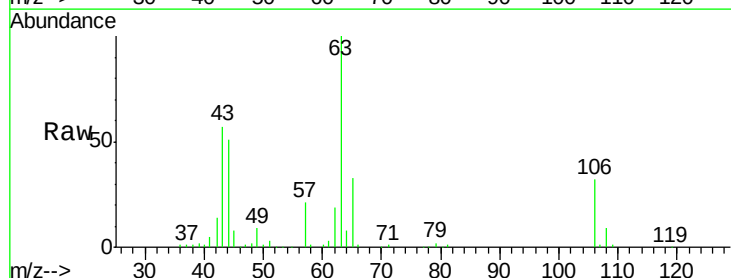
Manual Integrations
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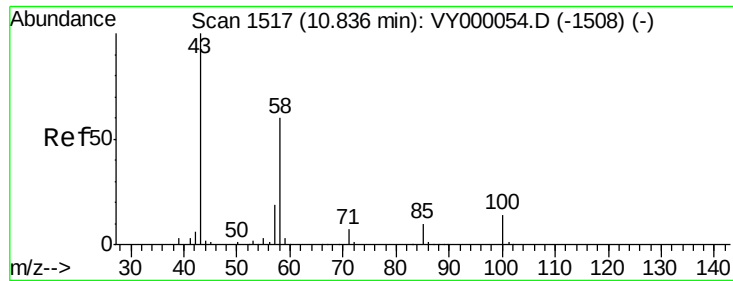
MMDadoda
 9/24/2019 5:30:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.751 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion: 63 Resp: 86901
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.3 34.9





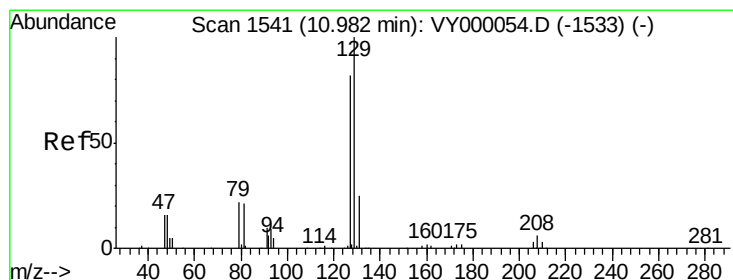
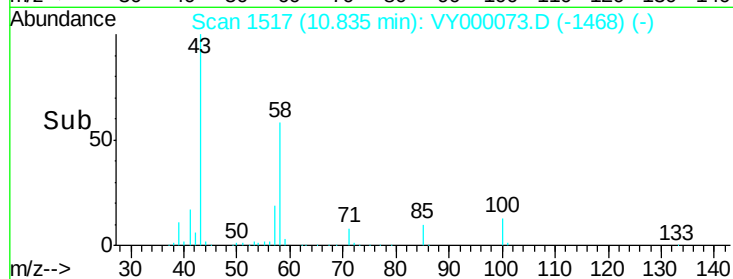
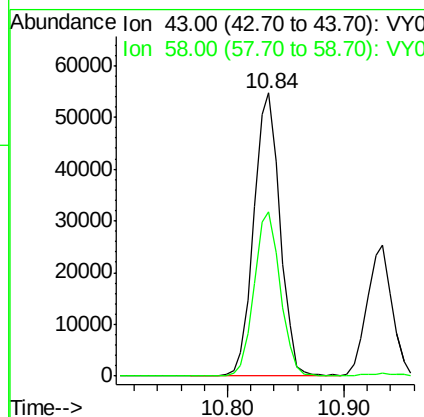
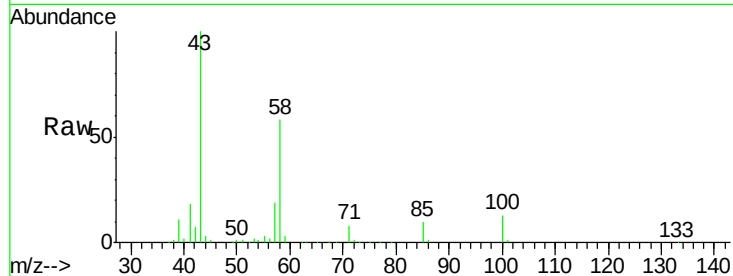
#59
2-Hexanone
Concen: 114.229 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 43 Resp: 86202
Ion Ratio Lower Upper
43 100
58 57.8 29.9 89.7

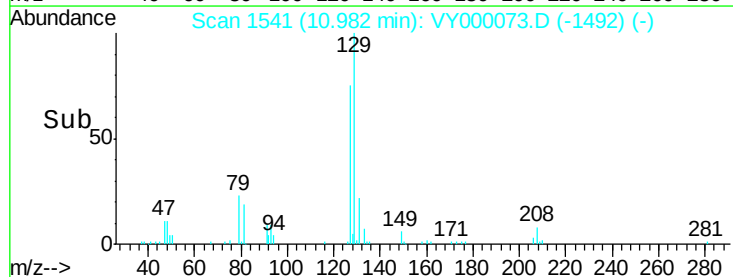
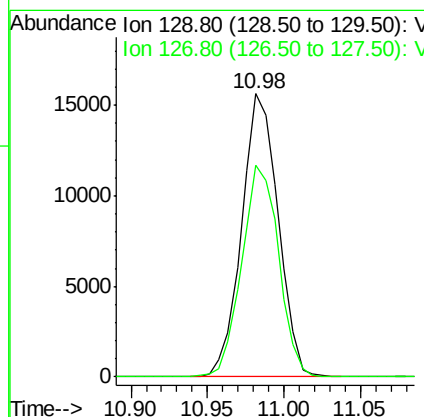
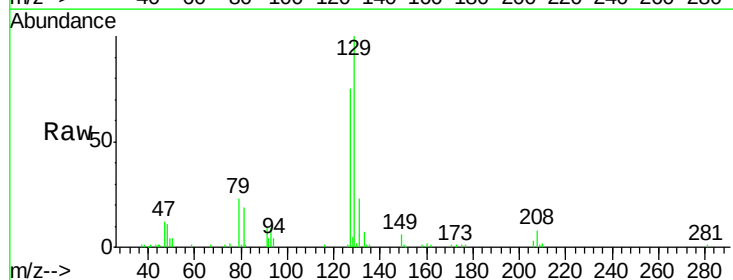
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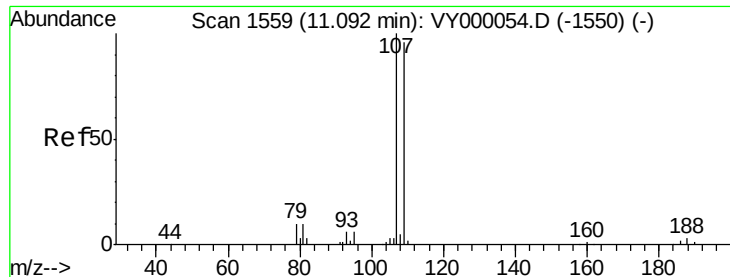
MMDadoda
9/24/2019 5:30:35 AM



#60
Dibromochloromethane
Concen: 22.678 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion: 129 Resp: 25870
Ion Ratio Lower Upper
129 100
127 75.7 40.2 120.6





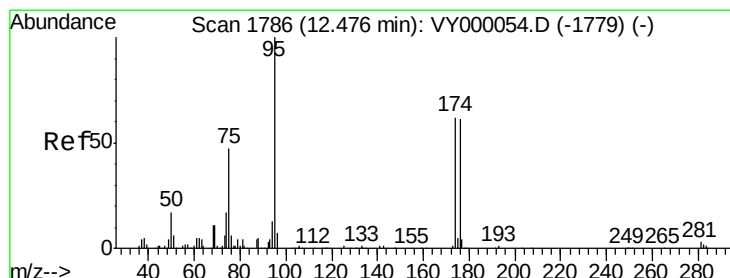
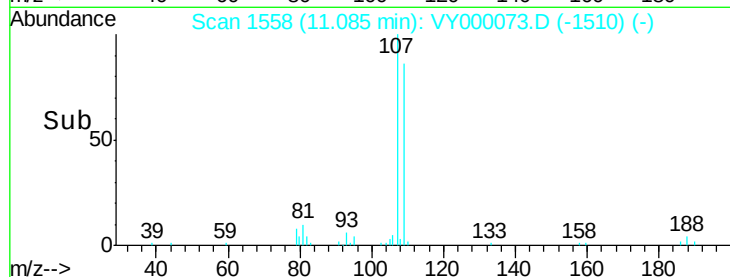
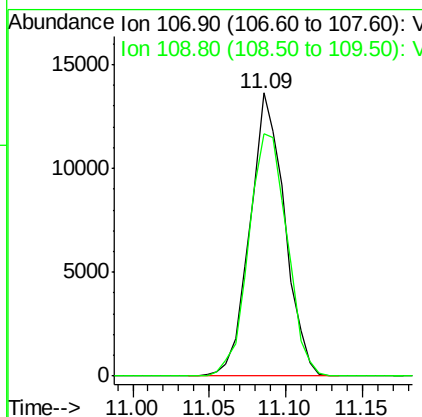
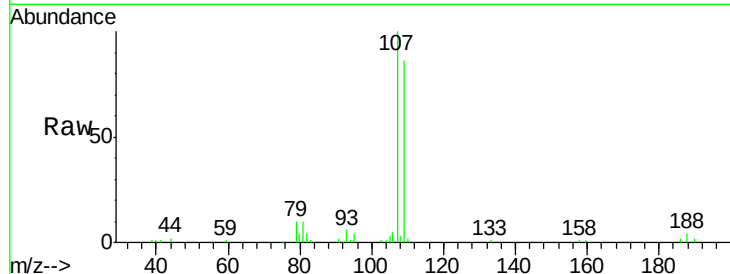
#61
 1,2-Dibromoethane
 Concen: 21.652 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.0	112.6

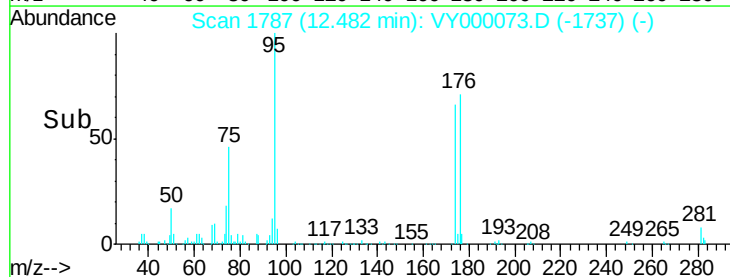
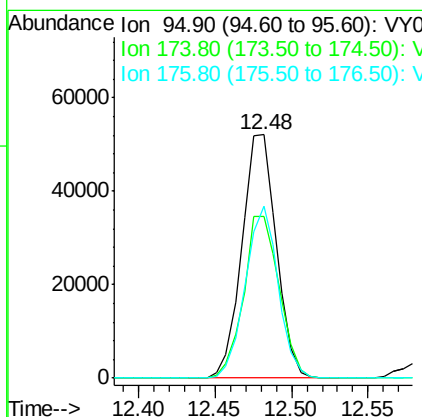
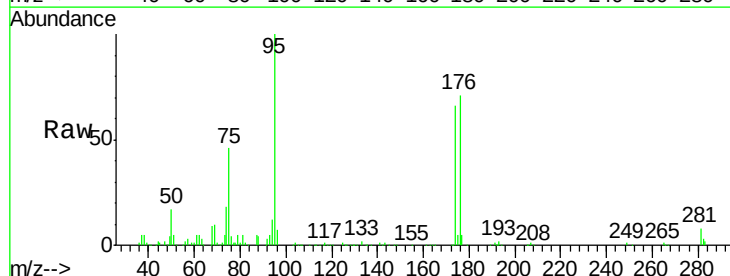
Manual Integrations
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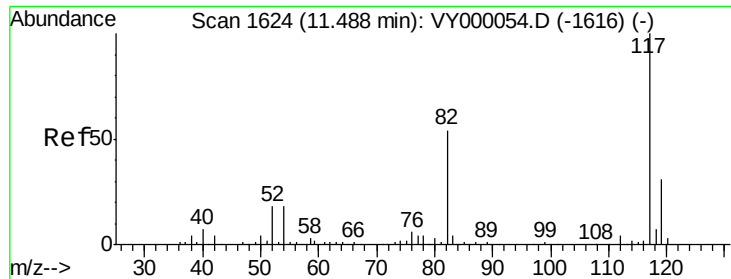
MMDadoda
 9/24/2019 5:30:35 AM



#62
 4-Bromofluorobenzene
 Concen: 46.431 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	137.2
176	67.3	0.0	135.0





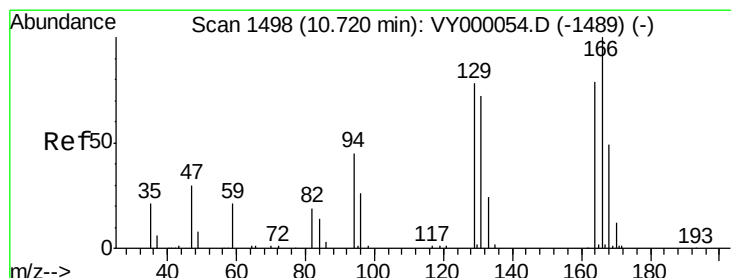
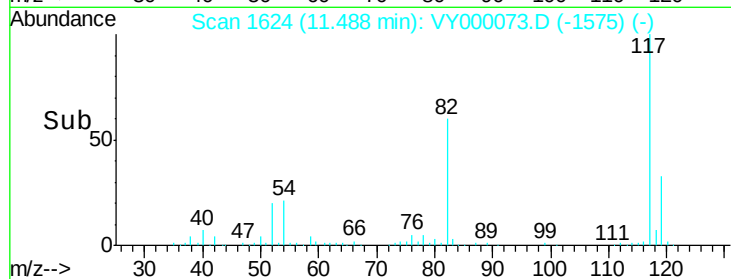
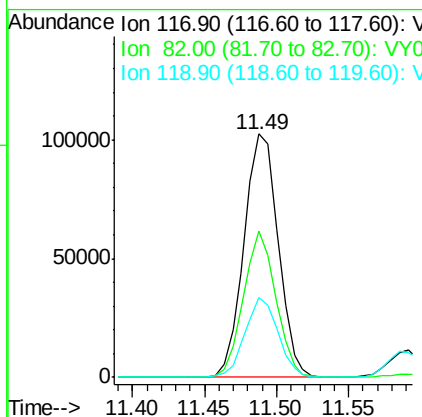
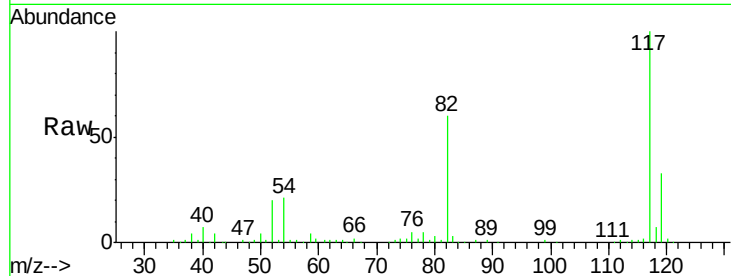
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	43.5	65.3
119	33.0	24.6	36.8

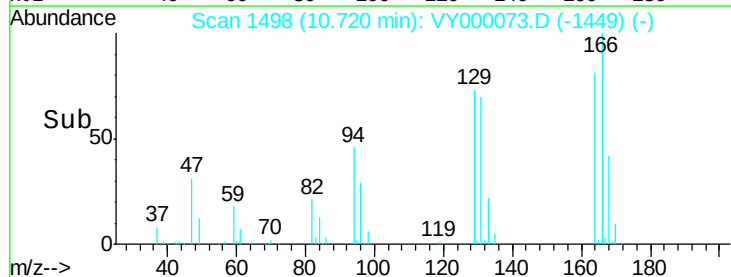
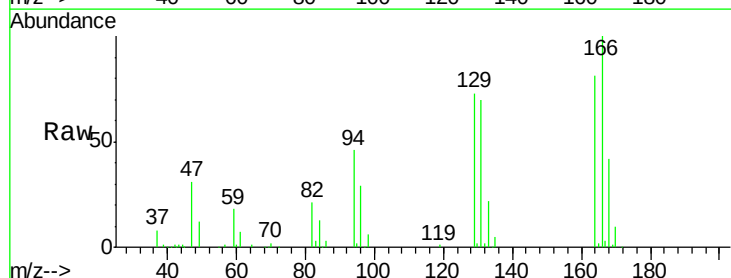
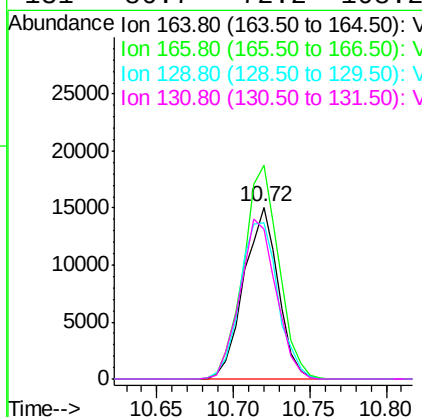
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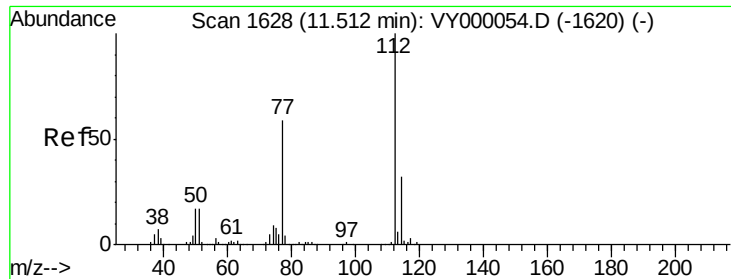
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#64
Tetrachloroethene
Concen: 22.223 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.9	151.3
129	90.6	78.4	117.6
131	86.7	72.2	108.2





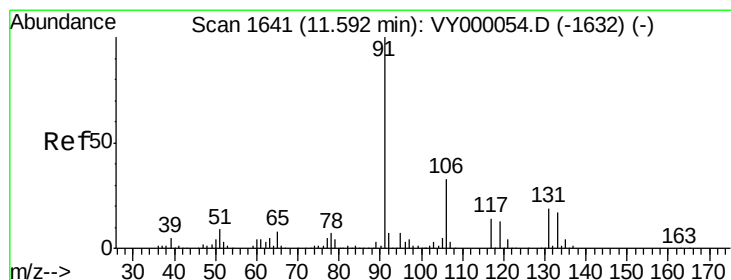
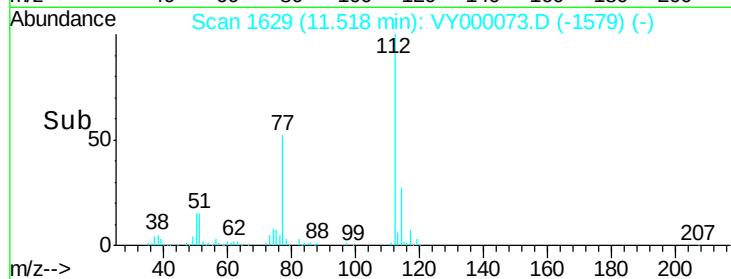
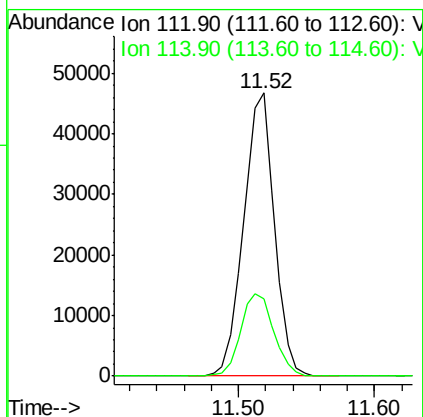
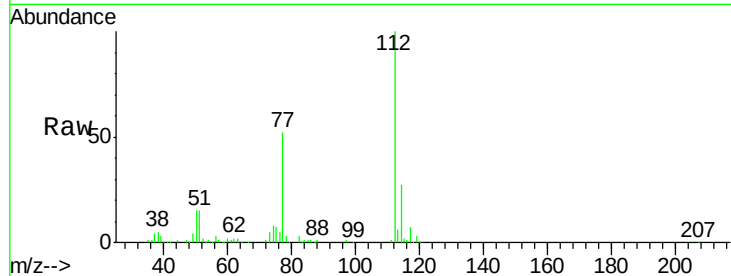
#65
Chlorobenzene
Concen: 22.151 ug/l
RT: 11.52 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion:112 Resp: 73862
Ion Ratio Lower Upper
112 100
114 27.3 25.6 38.4

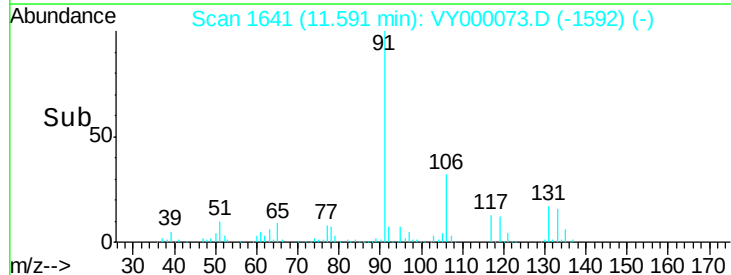
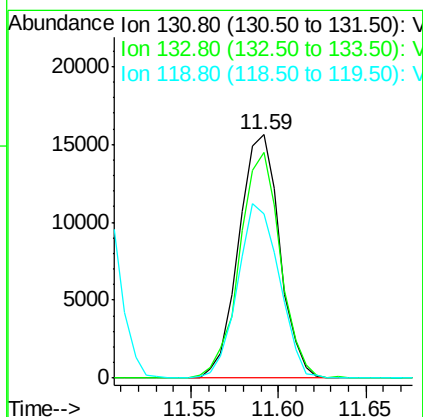
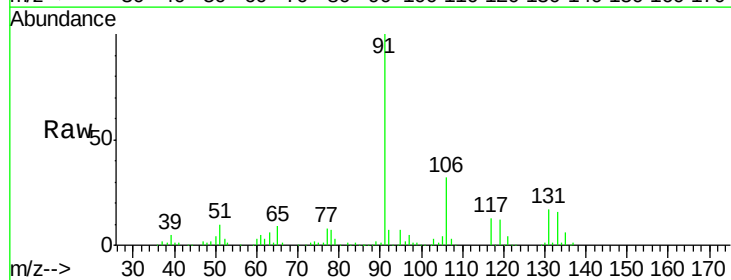
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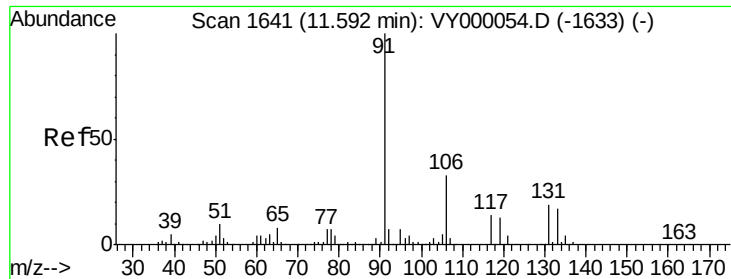
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.524 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion:131 Resp: 25394
Ion Ratio Lower Upper
131 100
133 93.0 46.6 139.8
119 72.9 36.2 108.6





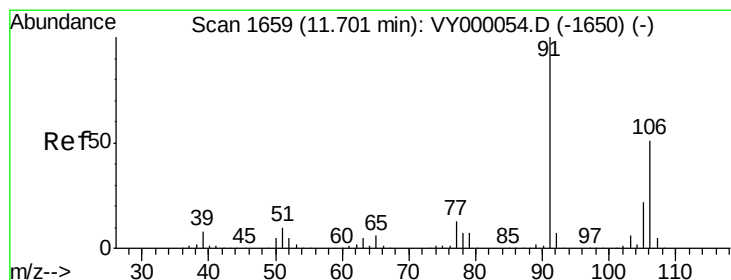
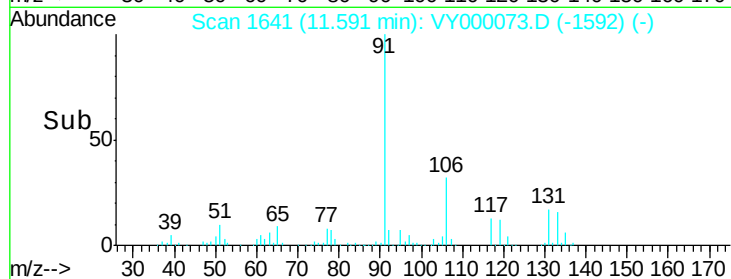
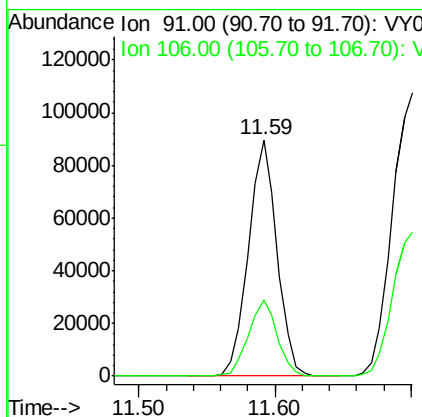
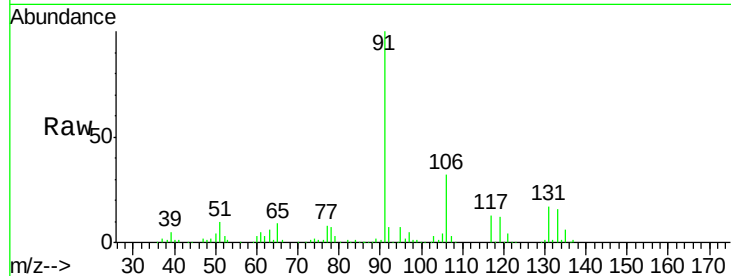
#67
Ethyl Benzene
Concen: 22.108 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 91 Resp: 131558
Ion Ratio Lower Upper
91 100
106 32.3 26.6 40.0

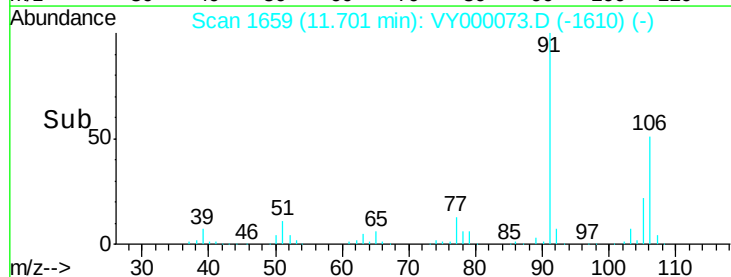
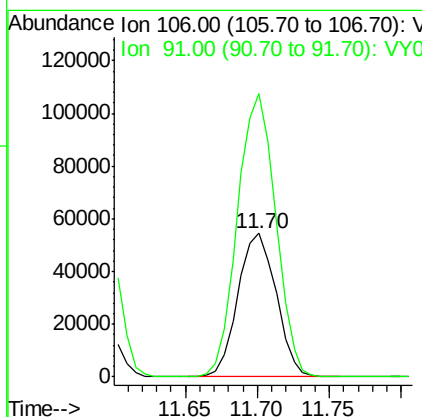
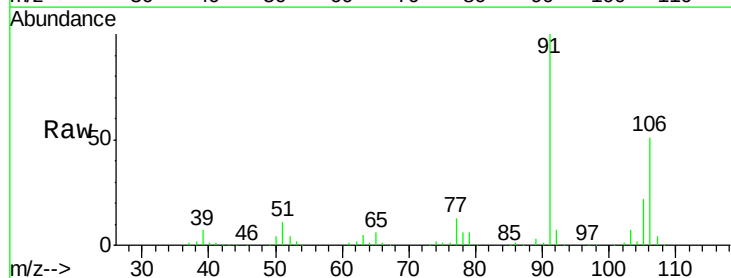
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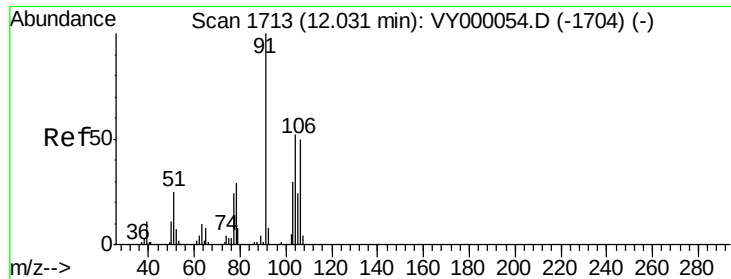
MMDadoda
9/24/2019 5:30:35 AM



#68
m/p-Xylenes
Concen: 44.273 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion: 106 Resp: 100248
Ion Ratio Lower Upper
106 100
91 197.6 154.5 231.7





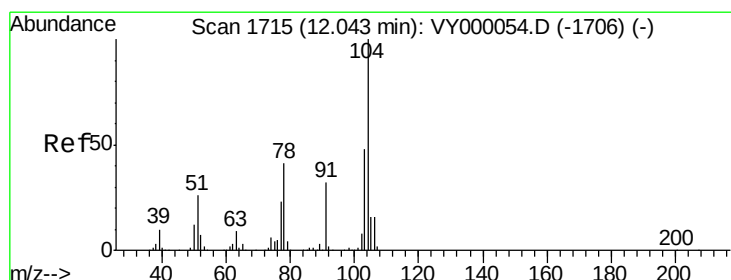
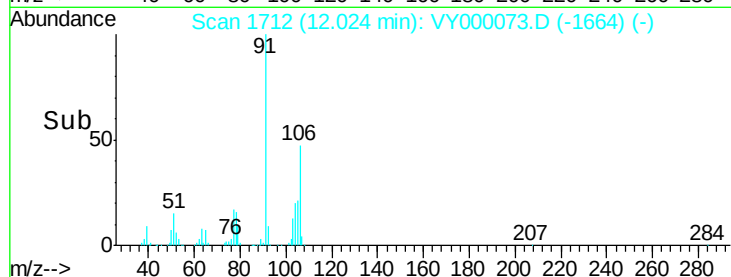
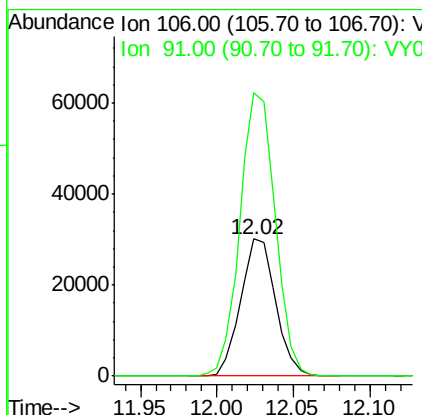
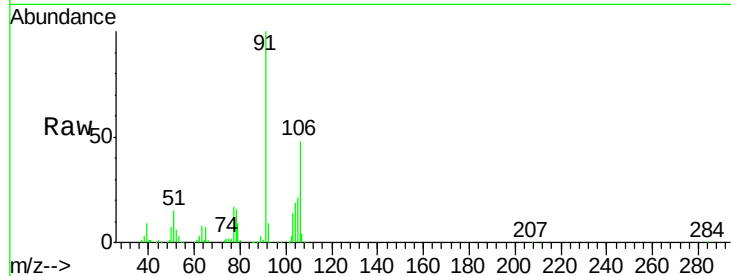
#69
o-Xylene
Concen: 21.856 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.5	103.5	310.3	

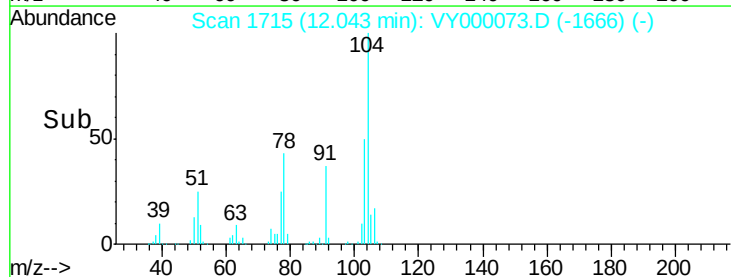
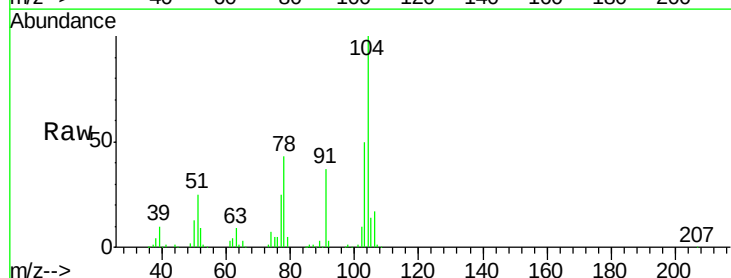
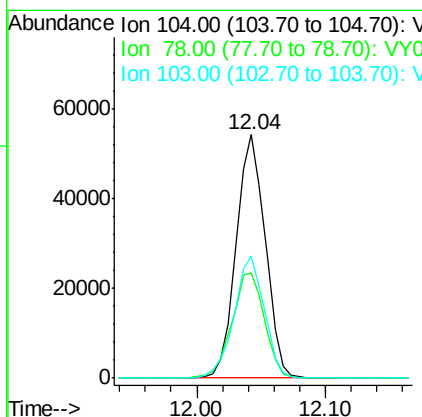
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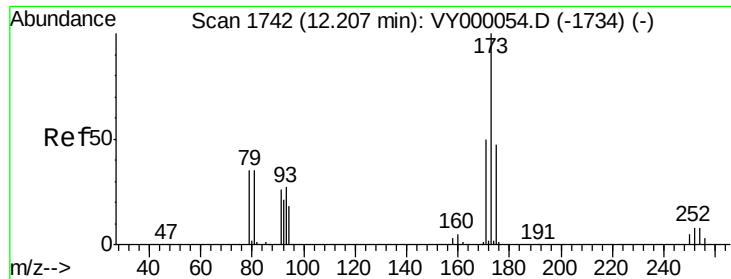
MMDadoda
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#70
Styrene
Concen: 22.009 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	37.7	56.5	
103	52.3	42.2	63.4	





#71

Bromoform

Concen: 22.930 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

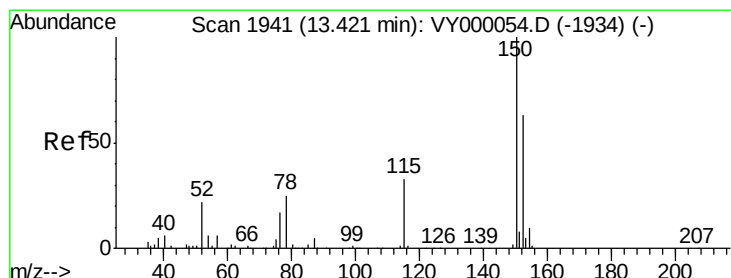
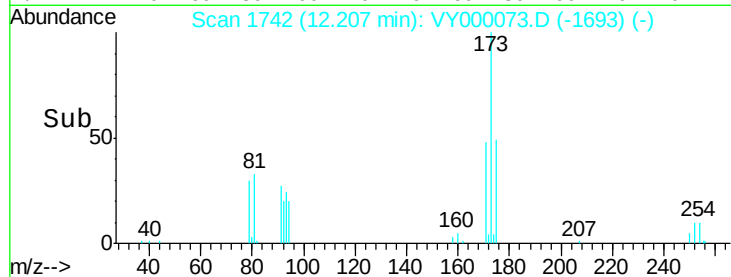
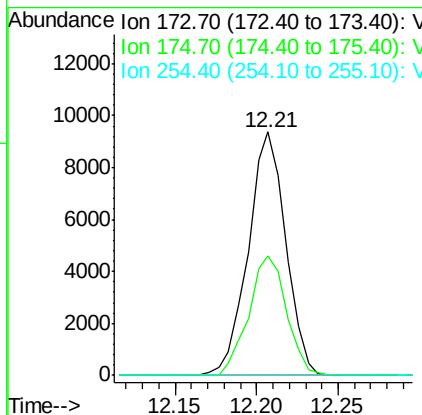
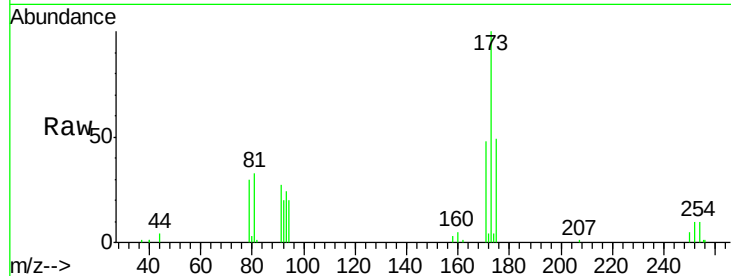
ClientSampleId :

VY0919SBS01

Tot Ion:	173	Resp:	14966
Ion Ratio	Lower	Upper	
173	100		
175	49.5	23.6	71.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

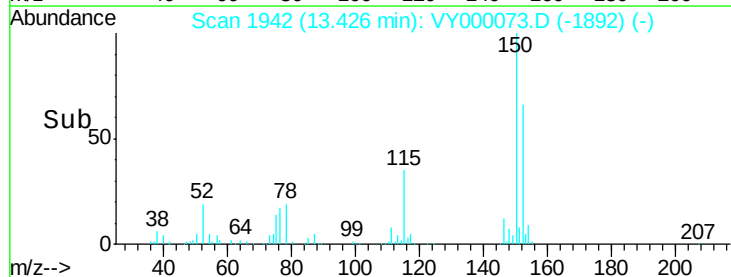
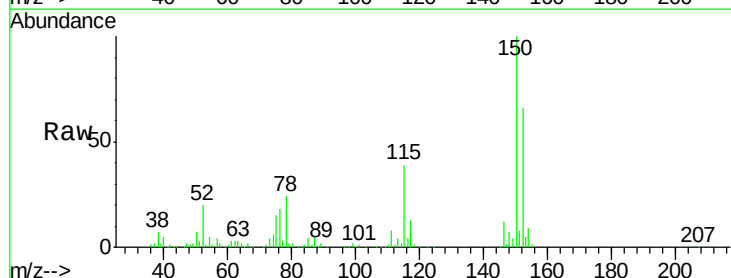
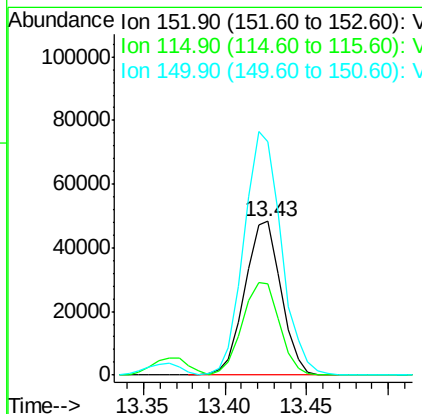
RT: 13.43 min Scan# 1942

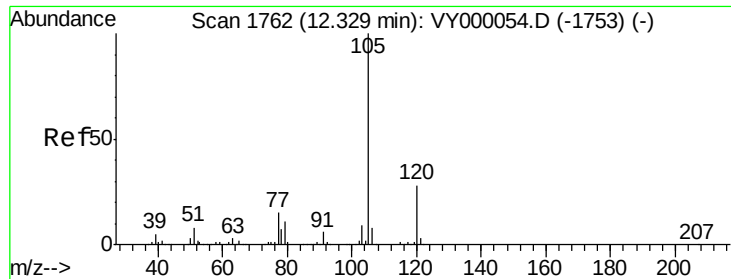
Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	152	Resp:	74938
Ion Ratio	Lower	Upper	
152	100		
115	61.9	30.7	92.1
150	163.5	0.0	351.6





#73

Isopropylbenzene

Concen: 21.789 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:105 Resp: 131589

Ion Ratio Lower Upper

105 100

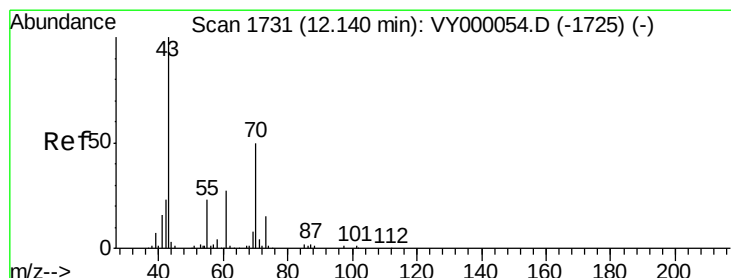
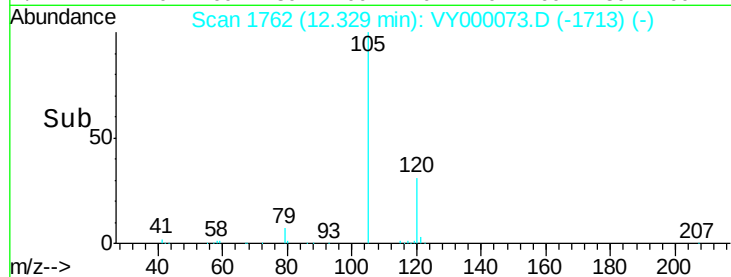
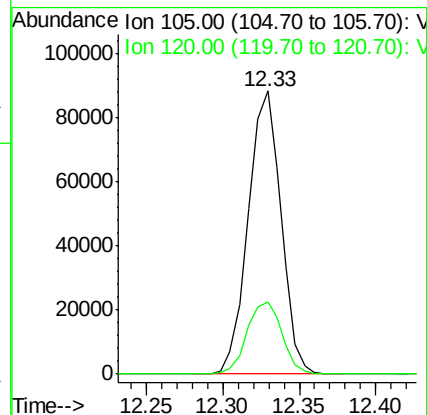
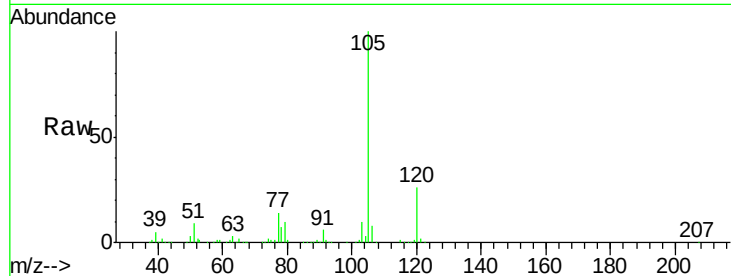
120 27.0 13.9 41.7

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#74

N-ethyl acetate

Concen: 22.115 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion: 43 Resp: 38049

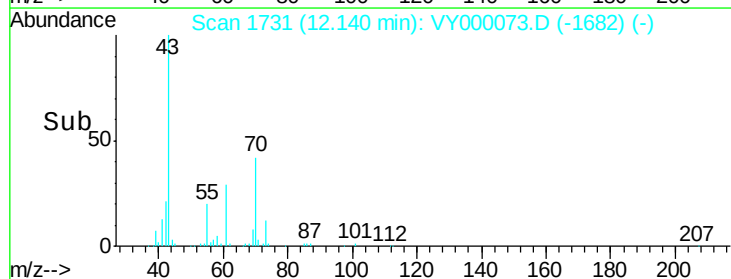
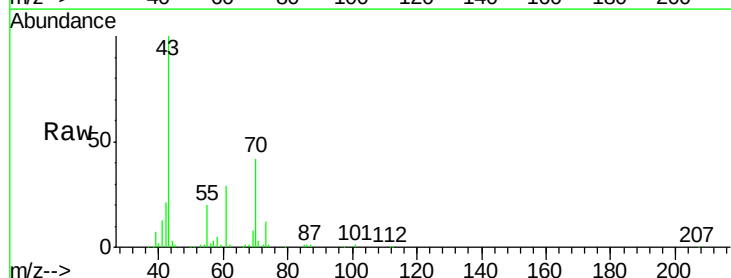
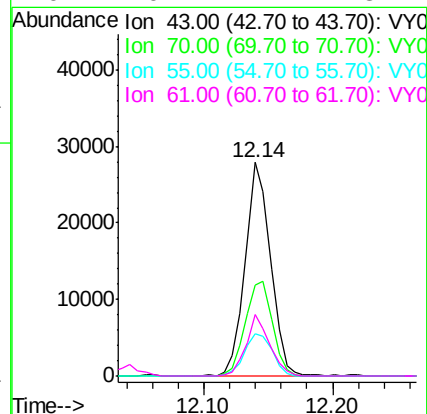
Ion Ratio Lower Upper

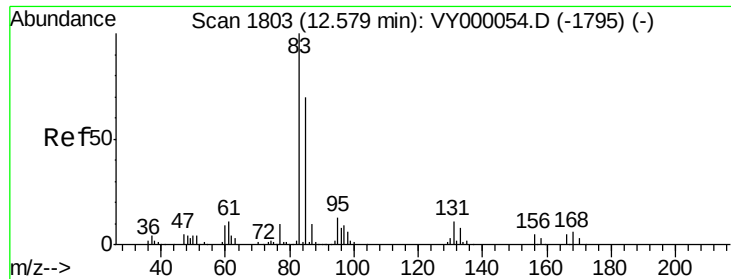
43 100

70 47.3 38.8 58.2

55 21.6 18.8 28.2

61 26.1 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.187 ug/l

RT: 12.59 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

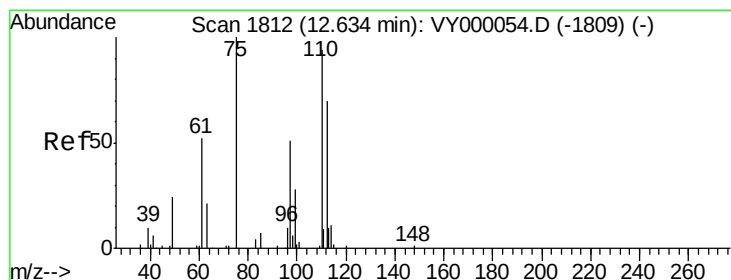
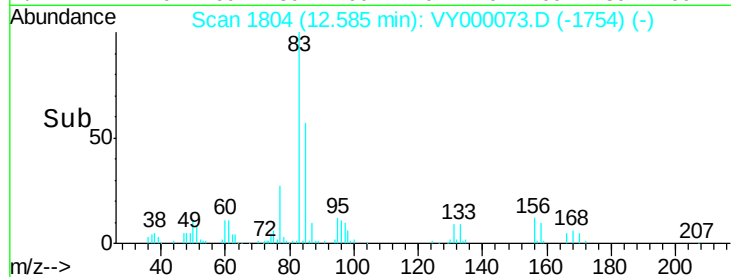
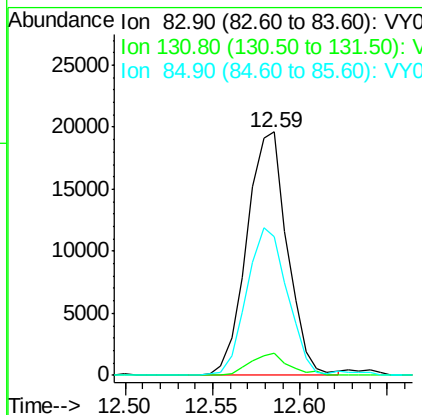
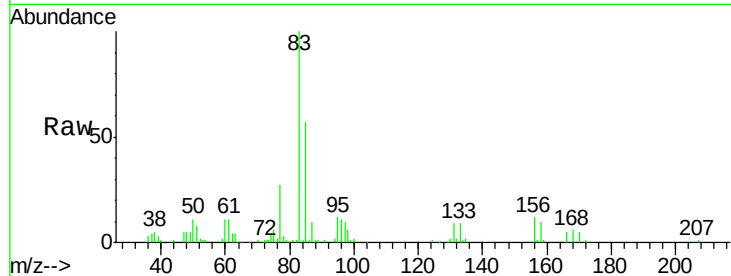
ClientSampleId :

VY0919SBS01

Tot Ion:	83	Resp:	31541
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.7
85	60.9	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 22.514 ug/l m

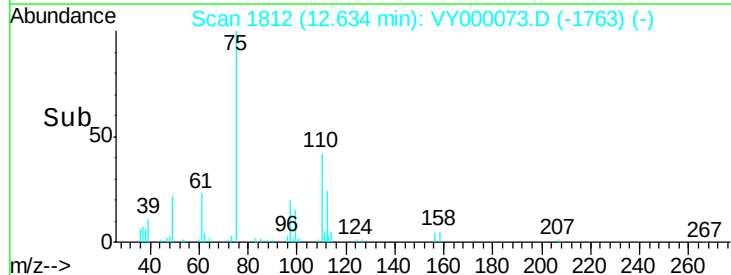
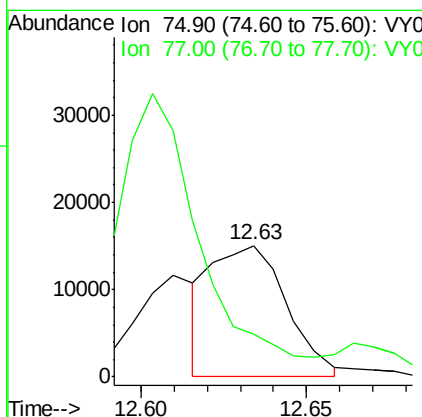
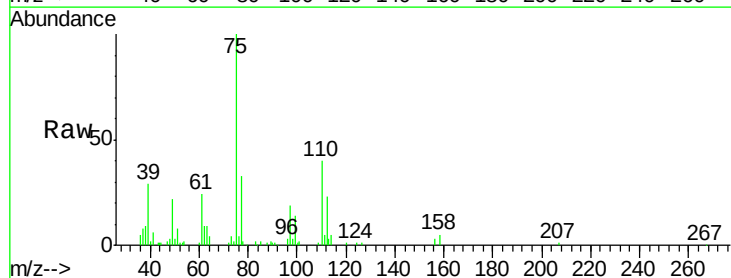
RT: 12.63 min Scan# 1812

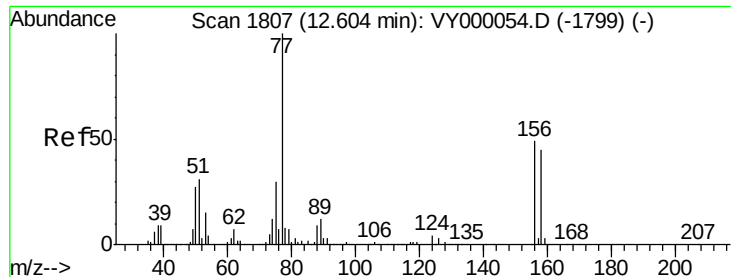
Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	75	Resp:	23738
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.806 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:156 Resp: 27499

Ion Ratio Lower Upper

156 100

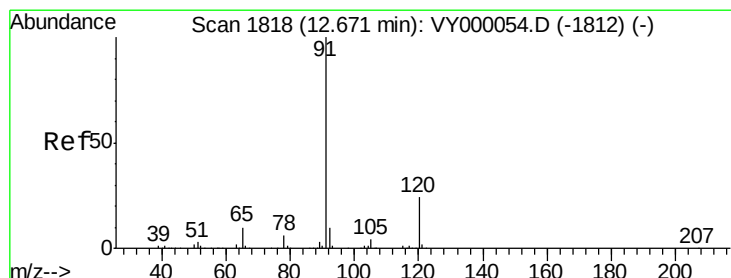
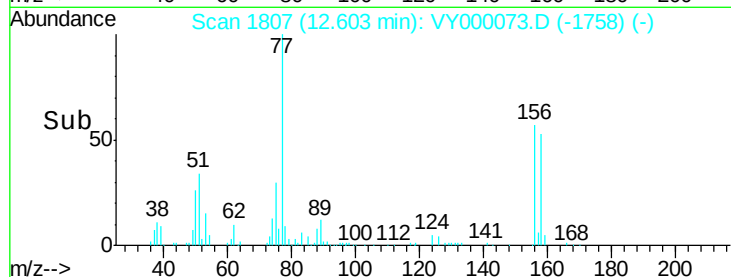
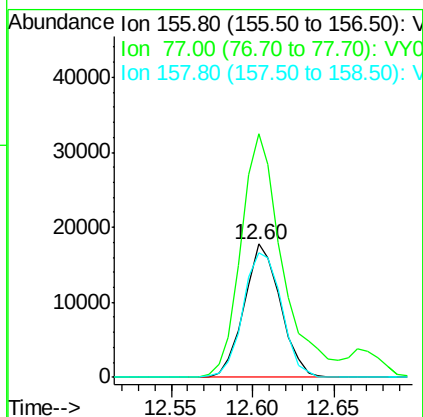
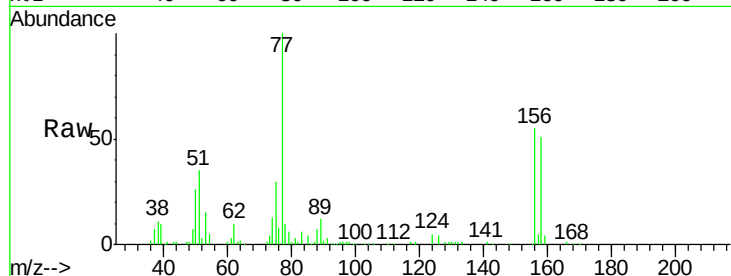
77 210.1 109.7 329.0

158 98.6 48.0 144.2

Manual Integrations
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9/24/2019 5:30:35 AM



#78

n-propylbenzene

Concen: 21.588 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000073.D

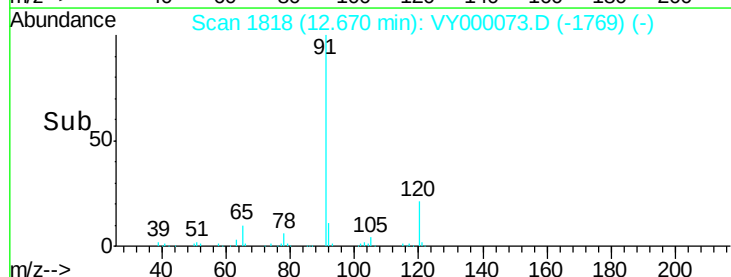
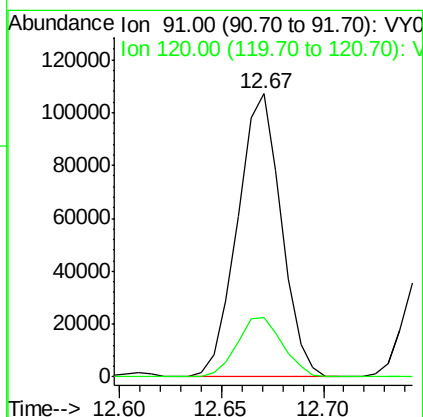
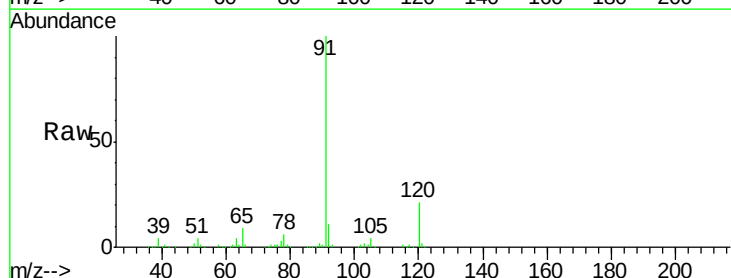
Acq: 19 Sep 2019 13:39

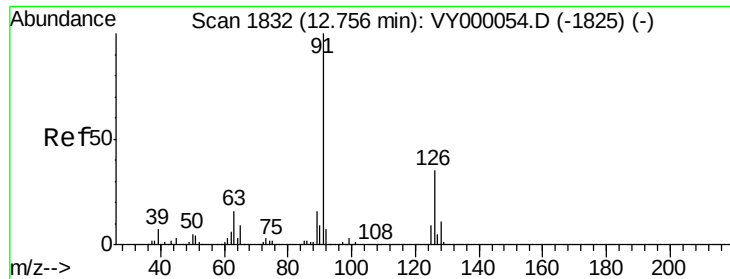
Tgt Ion: 91 Resp: 159035

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.5





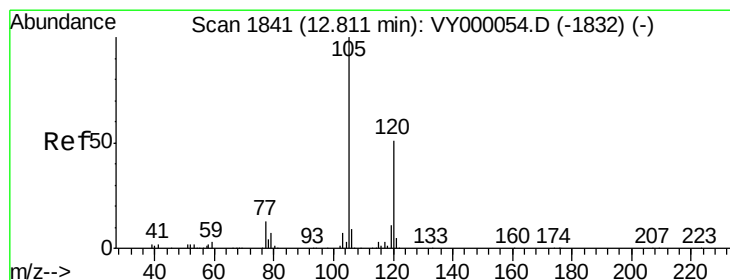
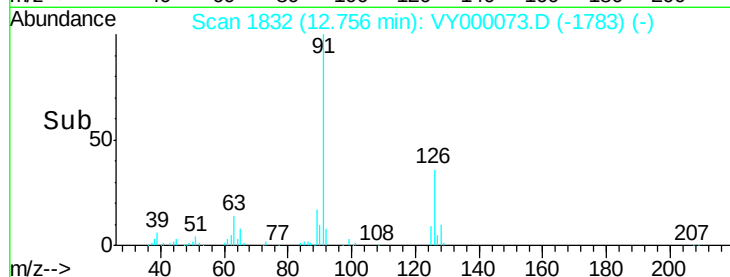
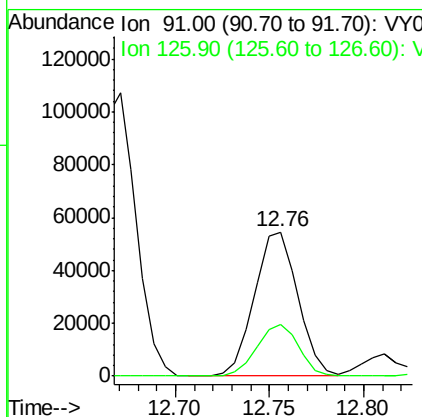
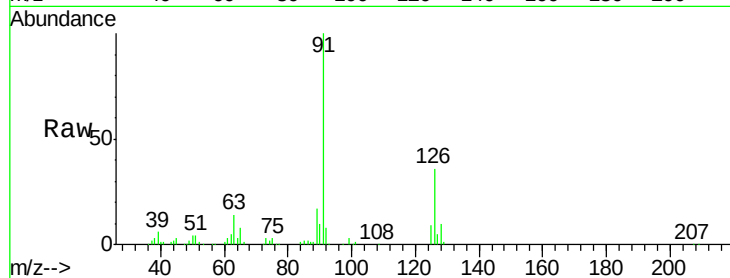
#79
2-Chlorotoluene
Concen: 21.053 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.5

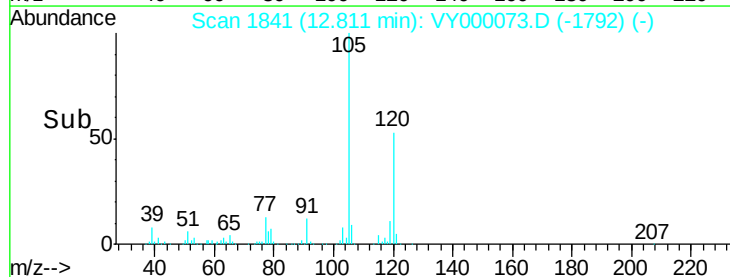
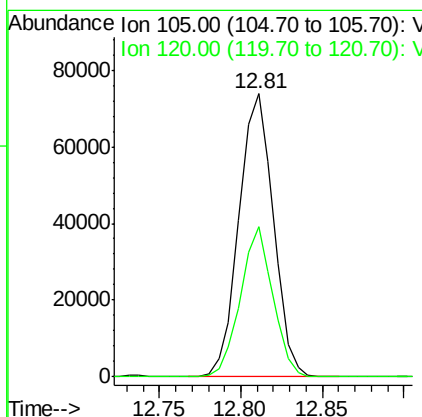
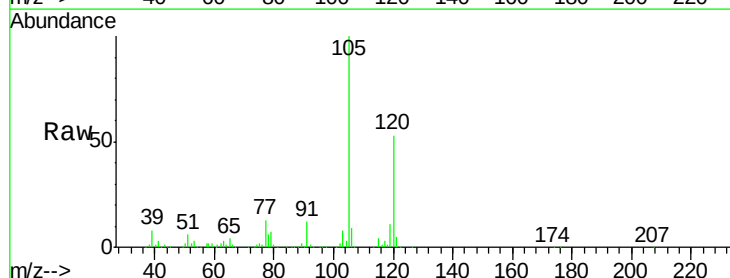
Manual Integrations
APPROVED

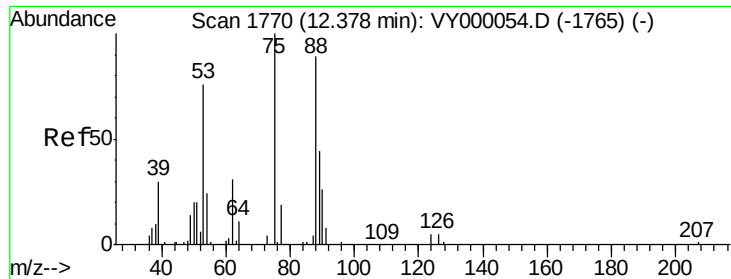
MMDadoda
9/24/2019 5:30:35 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.721 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.133 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

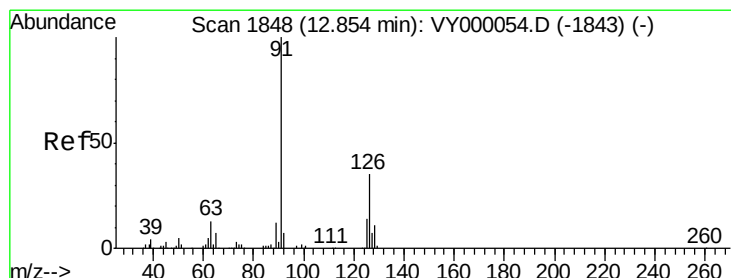
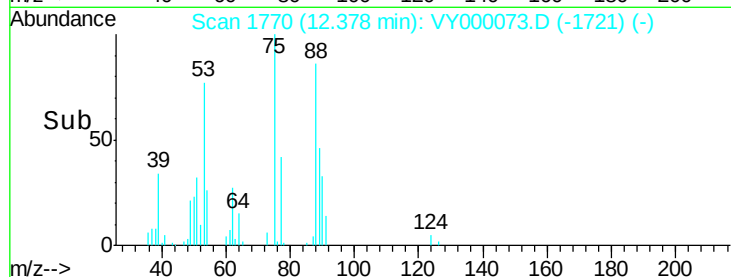
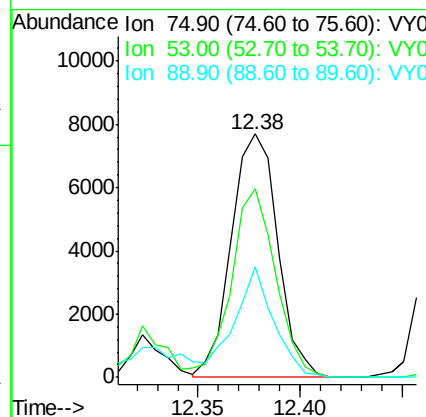
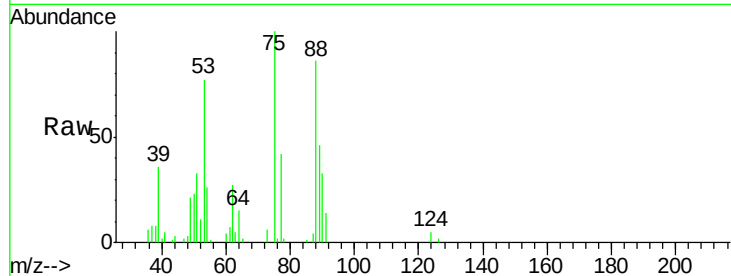
ClientSampleId :

VY0919SBS01

Tot Ion:	75	Resp:	12134
Ion Ratio	Lower	Upper	
75	100		
53	73.6	60.9	91.3
89	38.1	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:30:35 AM



#82

4-Chlorotoluene

Concen: 21.066 ug/l

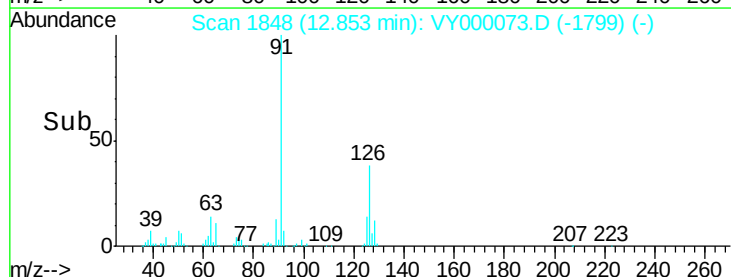
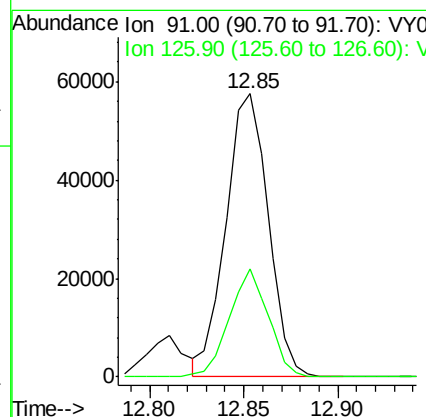
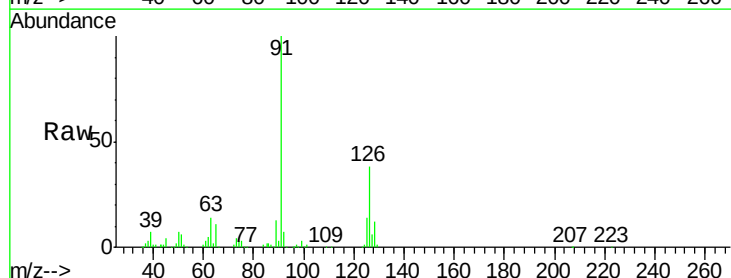
RT: 12.85 min Scan# 1848

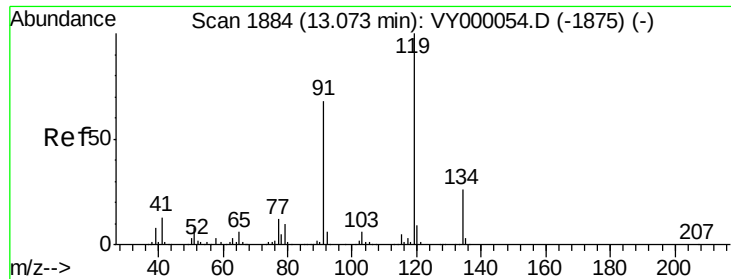
Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Tgt Ion:	91	Resp:	89714
Ion Ratio	Lower	Upper	
91	100		
126	35.3	16.7	50.1





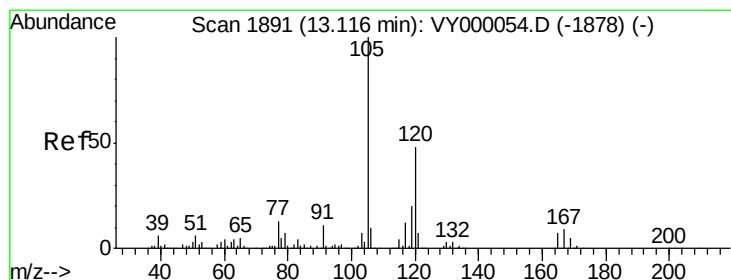
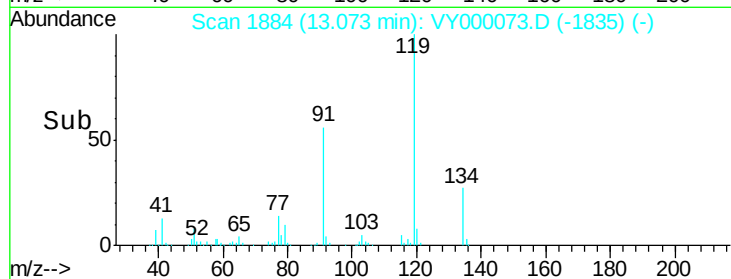
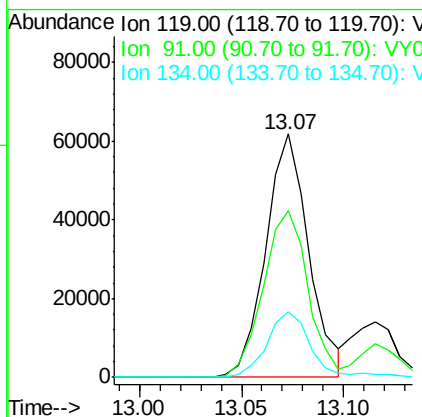
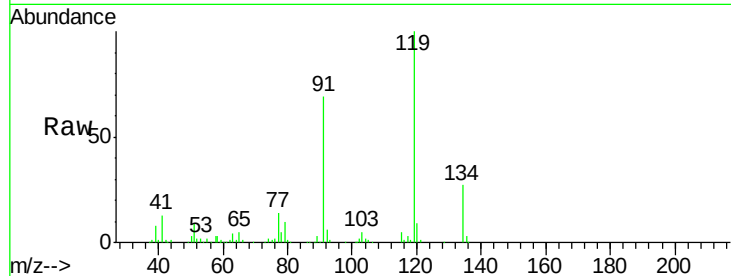
#83
 tert-Butylbenzene
 Concen: 21.209 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion:	119	Resp:	90777
Ion Ratio	Lower	Upper	
119	100		
91	71.0	33.4	100.1
134	26.3	12.7	38.0

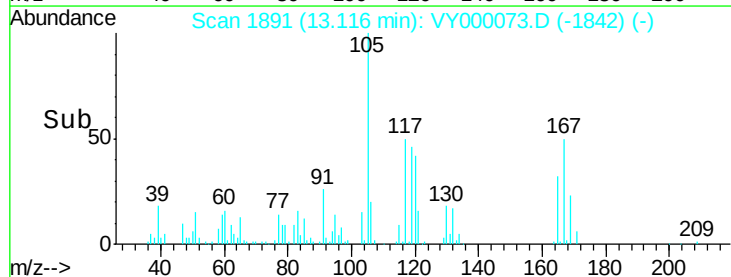
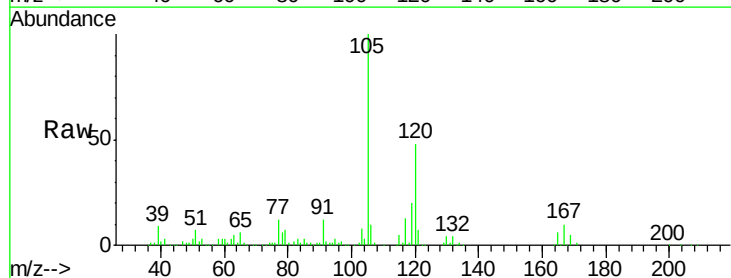
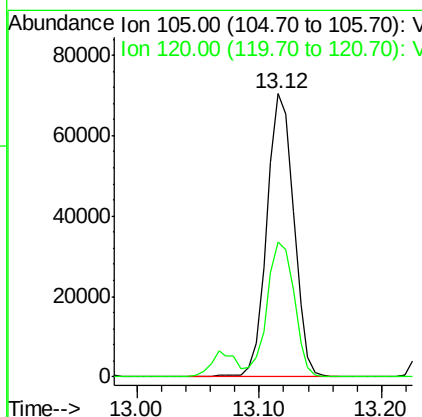
Manual Integrations
 APPROVED

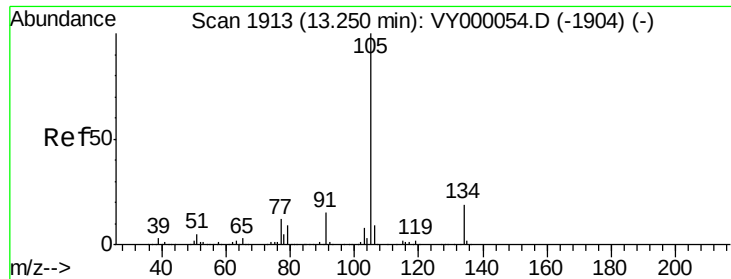
MMDadoda
 9/24/2019 5:30:35 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.861 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion:	105	Resp:	107820
Ion Ratio	Lower	Upper	
105	100		
120	48.4	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.259 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:105 Resp: 134434

Ion Ratio Lower Upper

105 100

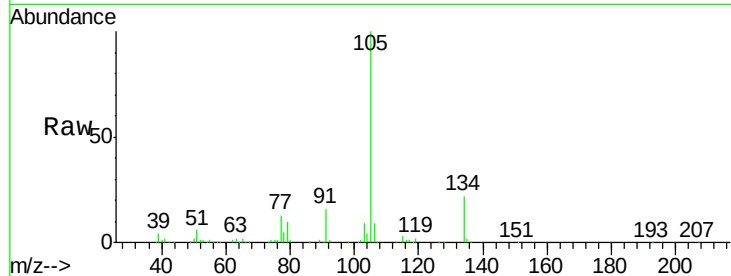
134 20.6 9.8 29.4

Manual Integrations

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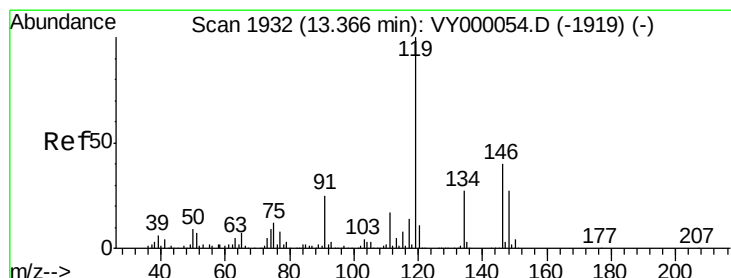
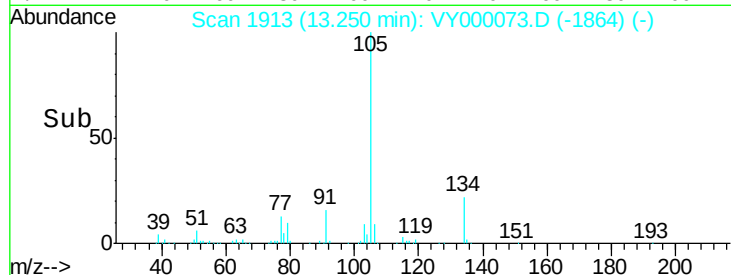
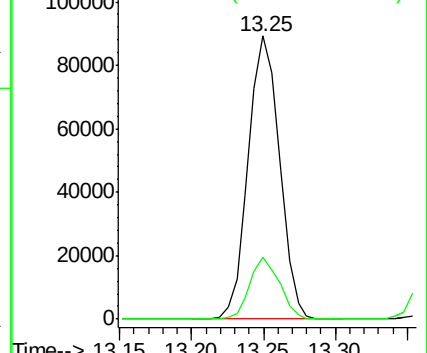
MMDadoda

9/24/2019 5:30:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.013 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000073.D

Acq: 19 Sep 2019 13:39

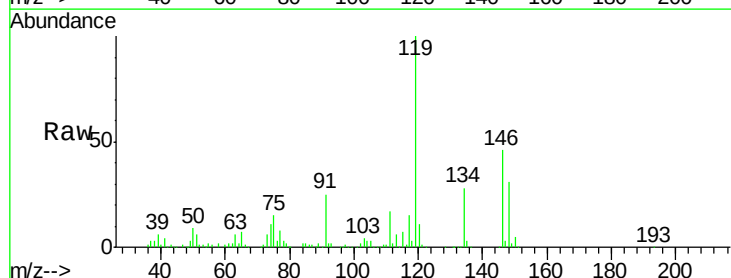
Tgt Ion:119 Resp: 112630

Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.2

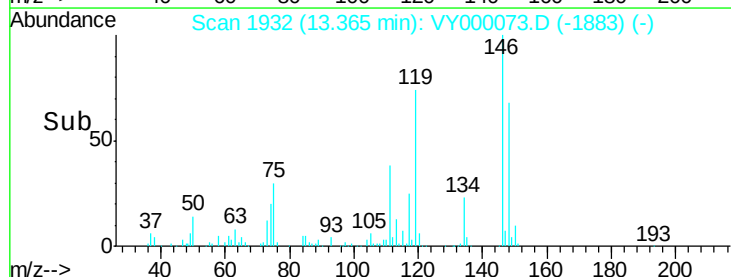
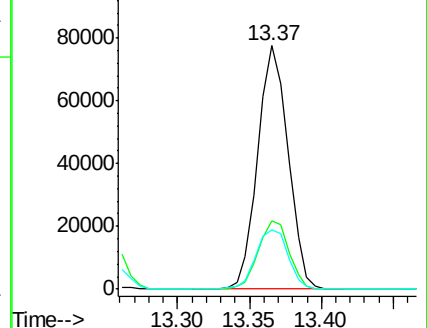
91 26.1 12.4 37.4

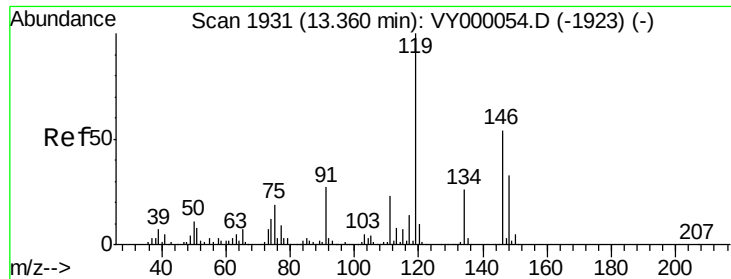


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





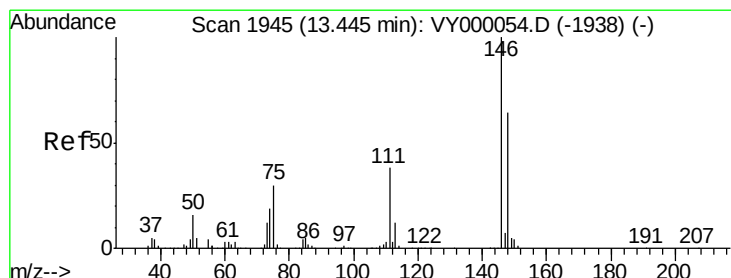
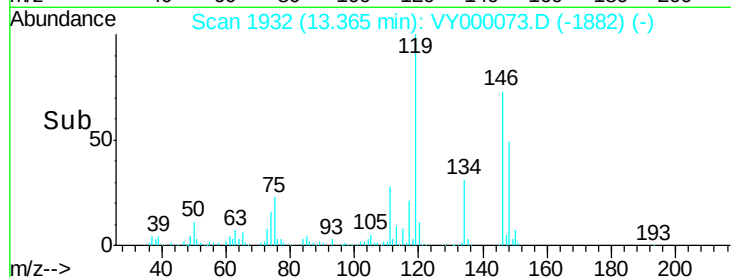
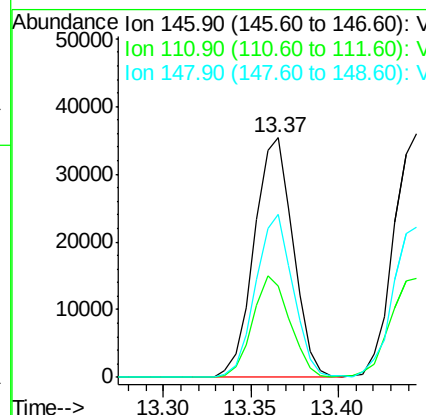
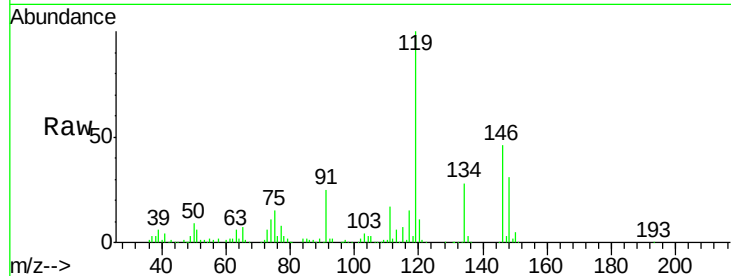
#87
 1,3-Dichlorobenzene
 Concen: 21.902 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	65.1	31.8	95.3

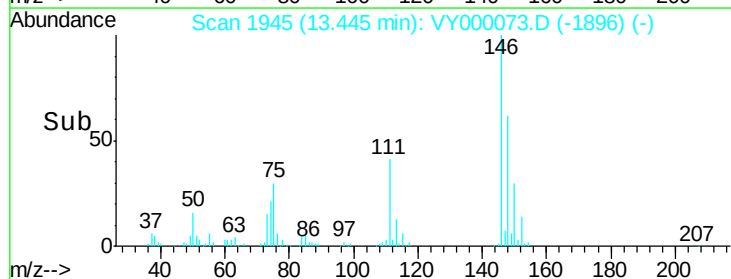
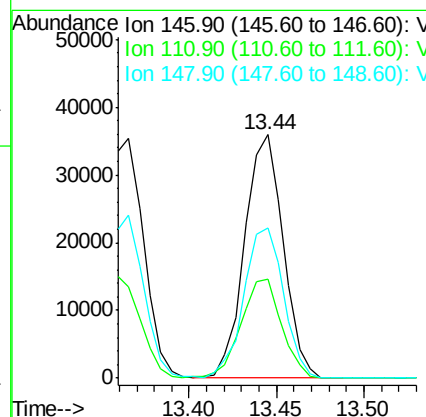
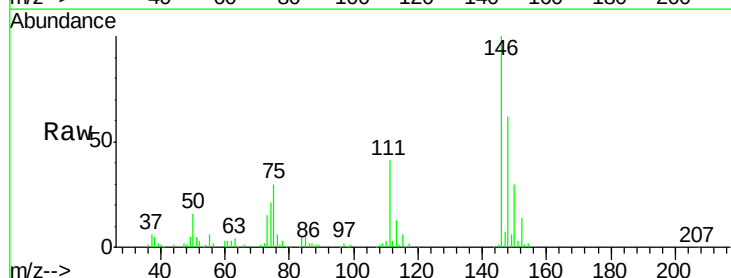
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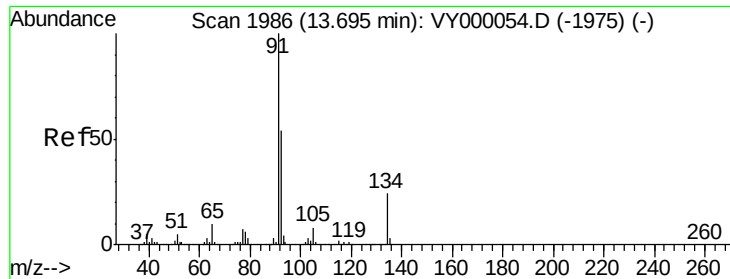
MMDadoda
 9/24/2019 5:30:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.941 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.4
148	63.6	31.5	94.5





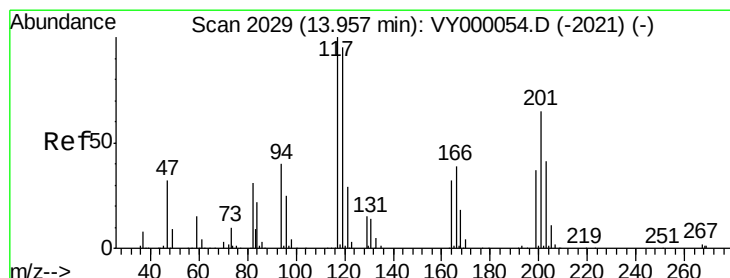
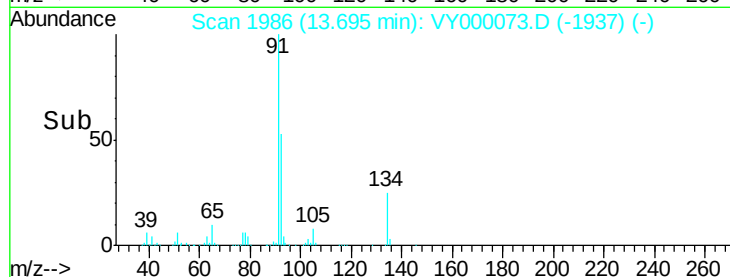
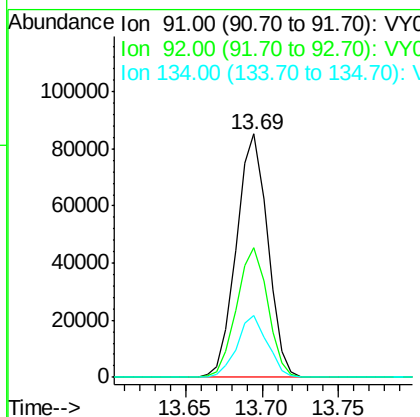
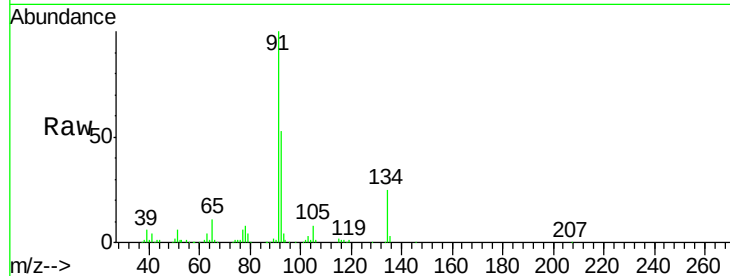
#89
n-Butylbenzene
Concen: 21.900 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.5
134	24.6	12.2	36.6

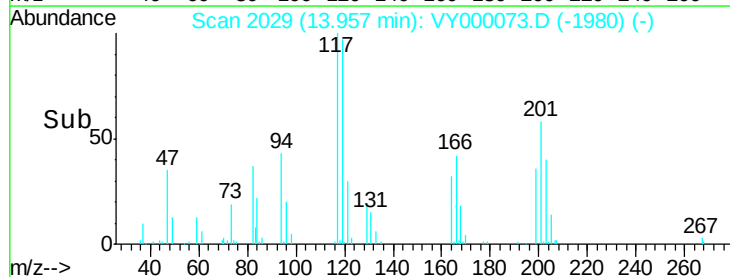
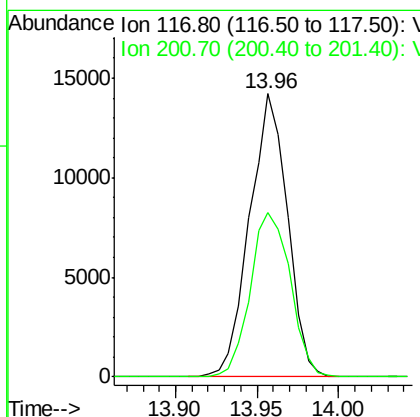
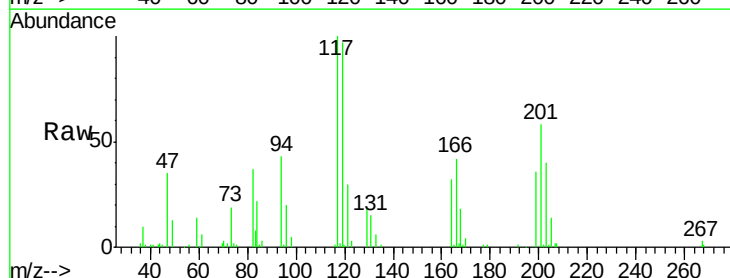
Manual Integrations
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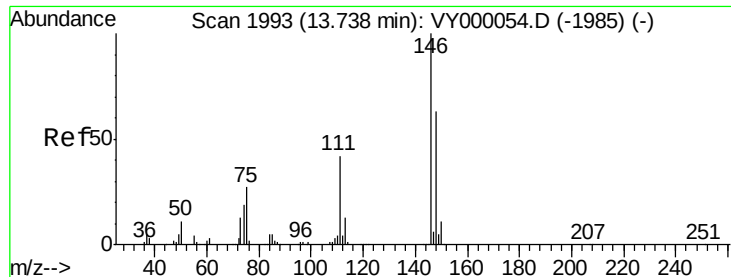
MMDadoda
9/24/2019 5:30:35 AM



#90
Hexachloroethane
Concen: 21.735 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.6	92.0





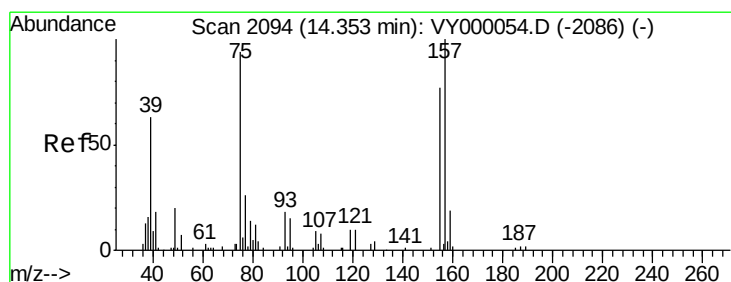
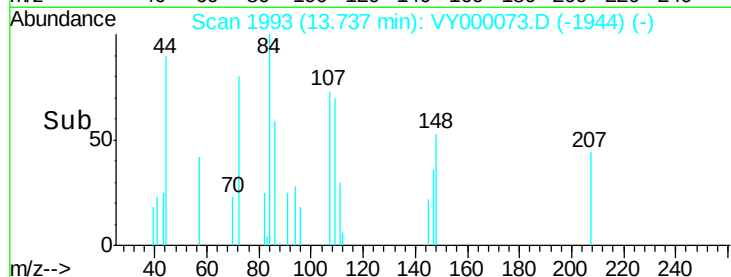
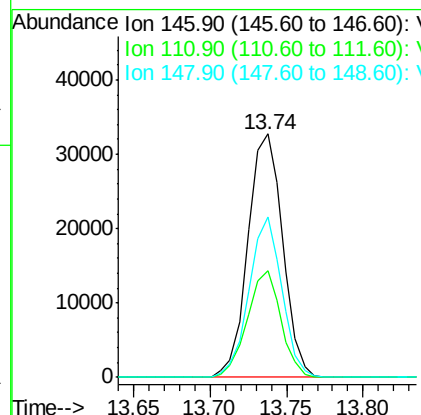
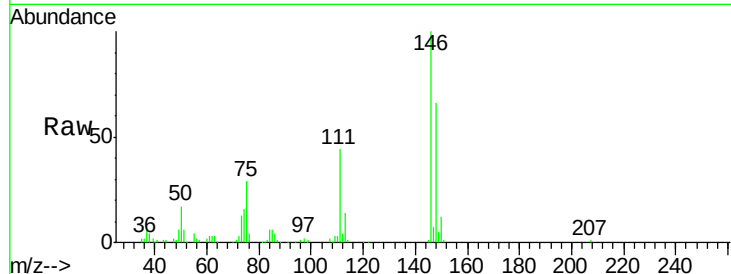
#91
 1,2-Dichlorobenzene
 Concen: 22.035 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.7
148	62.0	32.4	97.2

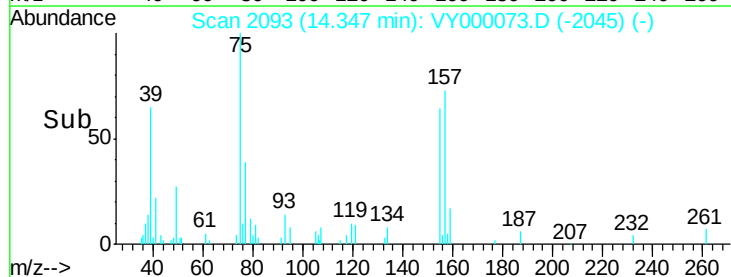
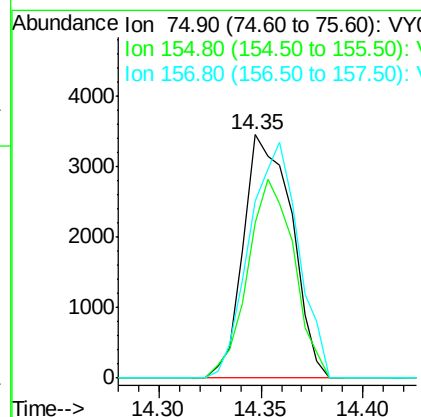
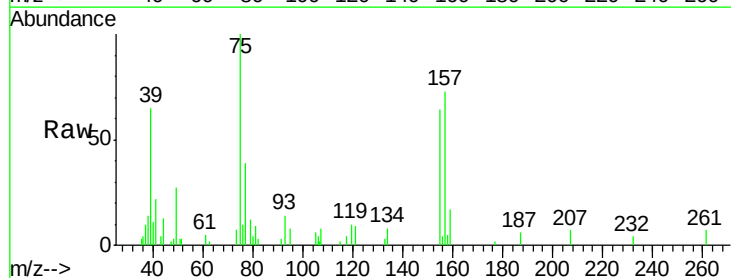
Manual Integrations
 APPROVED

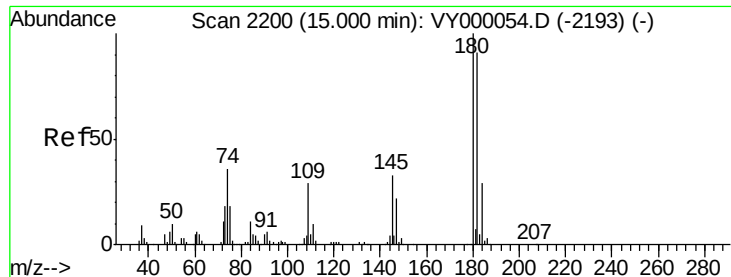
MMDadoda
 9/24/2019 5:30:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.397 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.6	121.7
157	98.6	52.9	158.8





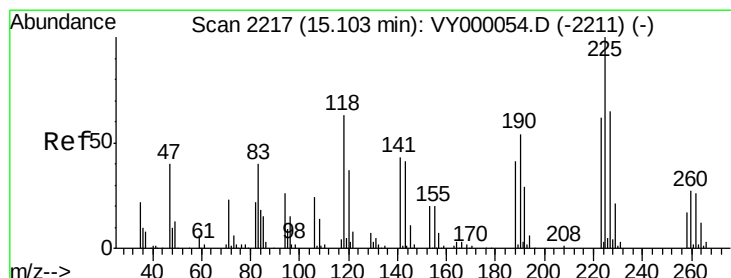
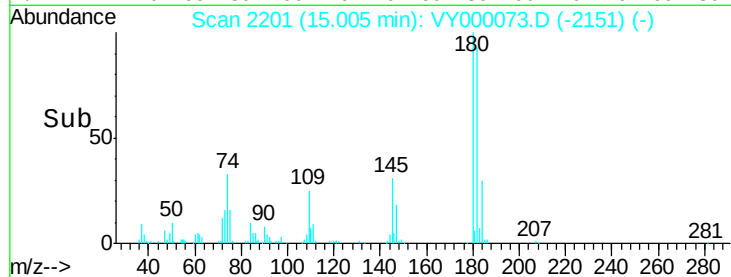
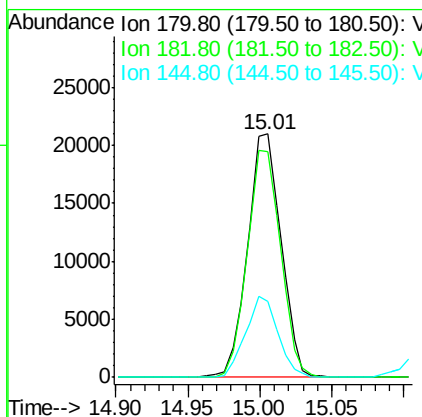
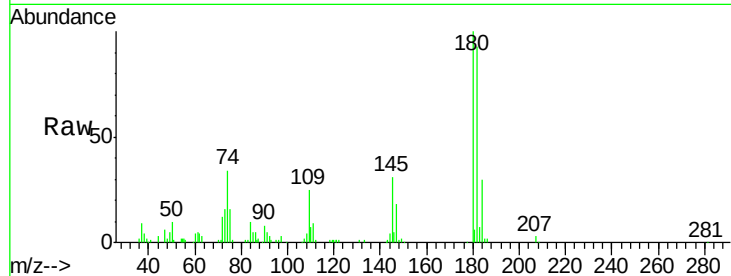
#93
 1,2,4-Trichlorobenzene
 Concen: 23.742 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33670		
182	93.0		48.5	145.6
145	32.3		17.2	51.6

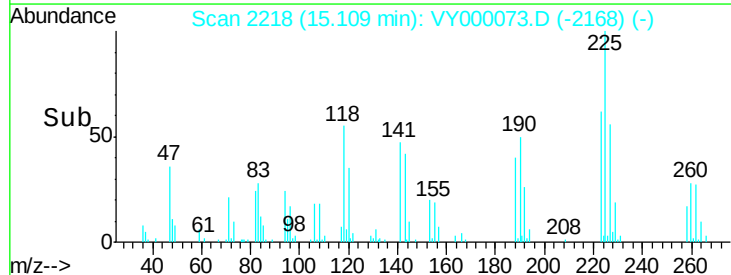
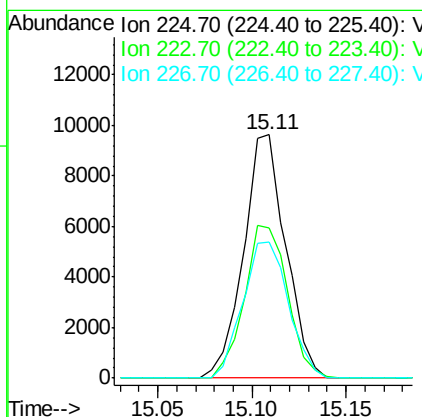
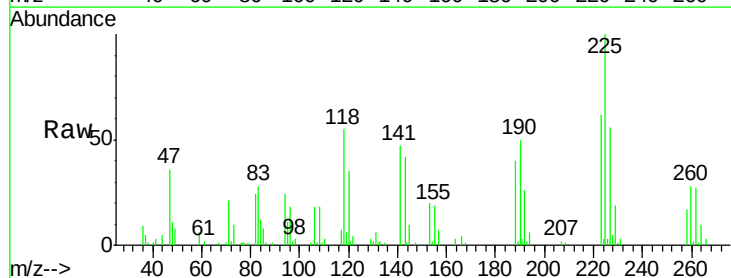
Manual Integrations
 APPROVED

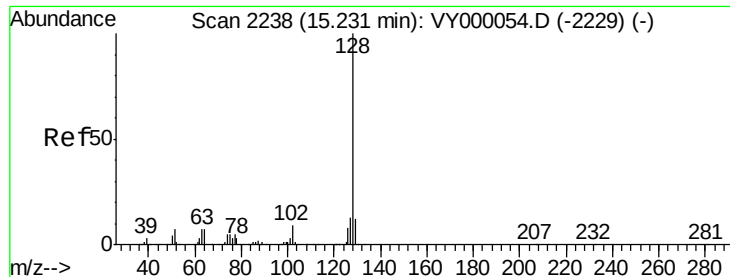
MMDadoda
 9/24/2019 5:30:35 AM



#94
 Hexachlorobutadiene
 Concen: 21.947 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000073.D
 Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14944		
223	64.2		31.9	95.5
227	60.3		30.6	91.6





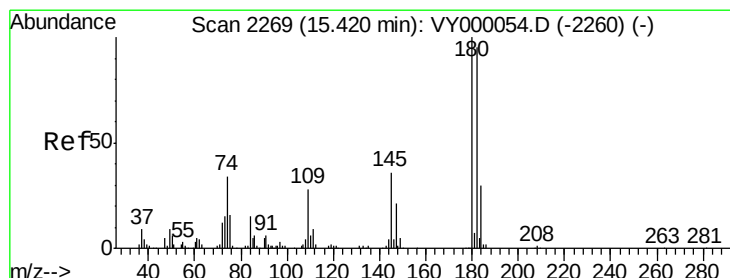
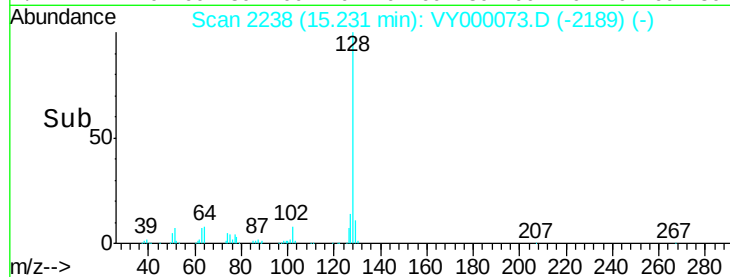
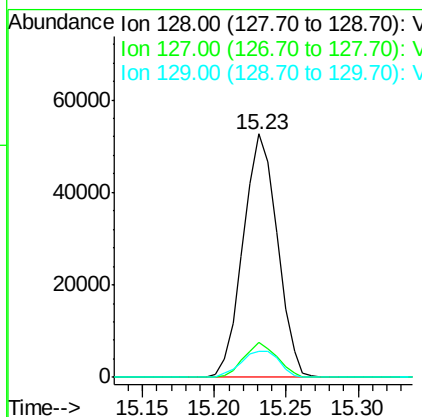
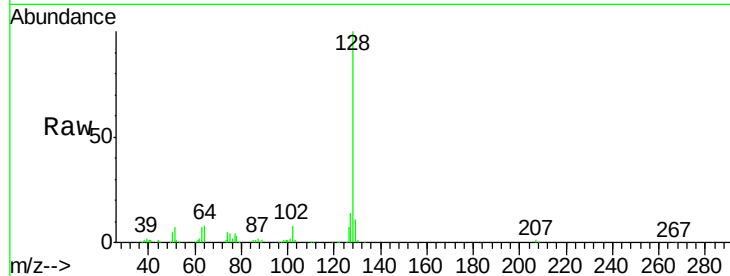
#95
Naphthalene
Concen: 21.520 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	86637		
127	13.9		10.3	15.5
129	12.0		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:30:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.101 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VY000073.D
Acq: 19 Sep 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29912		
182	92.7		47.5	142.5
145	35.7		17.4	52.2

