

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000099.D
 Acq On : 20 Sep 2019 11:43
 Operator : SY/MD
 Sample : VY0920SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:32:25 AM

Quant Time: Sep 21 00:01:26 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	101934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	199860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	177815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	60745	51.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.60%	
35) Dibromofluoromethane	7.73	113	58321	48.20	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	96.40%	
50) Toluene-d8	10.18	98	239386	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.48	95	85890	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	1331	Below Cal		99
3) Chloromethane	2.11	50	10544	4.885	ug/l #	87
4) Vinyl Chloride	2.25	62	9217	8.104	ug/l	97
5) Bromomethane	2.62	94	9171	10.921	ug/l	99
6) Chloroethane	2.78	64	10894	14.289	ug/l	92
7) Trichlorofluoromethane	3.12	101	23142	14.715	ug/l	91
8) Diethyl Ether	3.53	74	12117	17.995	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20267	18.785	ug/l	94
10) Methyl Iodide	4.09	142	16561	14.760	ug/l	97
11) Tert butyl alcohol	4.98	59	15246	109.658	ug/l	97
12) 1,1-Dichloroethene	3.87	96	16553	16.643	ug/l	98
13) Acrolein	3.73	56	8243	97.921	ug/l	99
14) Allyl chloride	4.48	41	28184	18.541	ug/l	98
15) Acrylonitrile	5.17	53	41259	102.182	ug/l	95
16) Acetone	3.95	43	24269	88.879	ug/l	98
17) Carbon Disulfide	4.18	76	26171	12.167	ug/l	99
18) Methyl Acetate	4.48	43	16958	18.589	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	65703	21.139	ug/l	96
20) Methylene Chloride	4.71	84	26499	20.629	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	20616	18.647	ug/l	94
22) Diisopropyl ether	6.13	45	71347	20.774	ug/l	90
23) Vinyl Acetate	6.07	43	233650	101.647	ug/l	100
24) 1,1-Dichloroethane	6.01	63	40323	19.836	ug/l	96
25) 2-Butanone	6.99	43	47087	95.207	ug/l	99
26) 2,2-Dichloropropane	6.99	77	39762	20.727	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	28913	20.655	ug/l	97
28) Bromochloromethane	7.34	49	18185	19.299	ug/l	92
29) Tetrahydrofuran	7.35	42	29841	100.506	ug/l	98
30) Chloroform	7.51	83	45175	21.534	ug/l	100
31) Cyclohexane	7.79	56	30433	18.229	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	34869	20.464	ug/l	99
36) 1,1-Dichloropropene	7.92	75	28561	19.112	ug/l	96
37) Ethyl Acetate	7.09	43	20594	20.674	ug/l	99
38) Carbon Tetrachloride	7.90	117	27205	19.288	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	34586	18.822	ug/l	92
40) Benzene	8.16	78	95220	19.292	ug/l	92
41) Methacrylonitrile	7.32	41	10817m	17.371	ug/l	
42) 1,2-Dichloroethane	8.24	62	27509	21.041	ug/l	98
43) Isopropyl Acetate	8.28	43	39499	20.275	ug/l	99
44) Trichloroethene	8.94	130	24678	19.571	ug/l	78
45) 1,2-Dichloropropane	9.21	63	26156	20.457	ug/l	92
46) Dibromomethane	9.31	93	14326	20.513	ug/l	97
47) Bromodichloromethane	9.50	83	35444	20.915	ug/l	98
48) Methyl methacrylate	9.29	41	16502	19.261	ug/l	94
49) 1,4-Dioxane	9.31	88	5240	386.443	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	108023	101.558	ug/l	97
52) Toluene	10.24	92	62595	19.961	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	36635	20.388	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	41910	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	22741	20.770	ug/l	97
56) Ethyl methacrylate	10.51	69	32054	20.573	ug/l	96
57) 1,3-Dichloropropane	10.79	76	38565	20.968	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	82041	97.409	ug/l	100
59) 2-Hexanone	10.84	43	73946	97.448	ug/l	96
60) Dibromochloromethane	10.99	129	23534	20.517	ug/l	95
61) 1,2-Dibromoethane	11.09	107	19883	19.881	ug/l	98
64) Tetrachloroethene	10.72	164	22644	20.290	ug/l	94
65) Chlorobenzene	11.51	112	71914	20.446	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	25034	21.051	ug/l	97
67) Ethyl Benzene	11.59	91	123128	19.616	ug/l	97
68) m/p-Xylenes	11.70	106	94618	39.615	ug/l	97
69) o-Xylene	12.02	106	46759	20.219	ug/l	97
70) Styrene	12.04	104	83709	20.618	ug/l	98
71) Bromoform	12.21	173	13986	20.315	ug/l #	98
73) Isopropylbenzene	12.33	105	123028	20.019	ug/l	99
74) N-amyl acetate	12.14	43	35198	20.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	28031	19.377	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	17706m	16.503	ug/l	
77) Bromobenzene	12.61	156	26493	20.645	ug/l	95
78) n-propylbenzene	12.67	91	150373	20.059	ug/l	99
79) 2-Chlorotoluene	12.76	91	83538	19.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	103063	20.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	10264	18.399	ug/l	97
82) 4-Chlorotoluene	12.85	91	89237	20.592	ug/l	97
83) tert-Butylbenzene	13.07	119	89232	20.488	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	104519	20.825	ug/l	99
85) sec-Butylbenzene	13.25	105	134166	20.850	ug/l	99
86) p-Isopropyltoluene	13.37	119	110928	20.338	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	53485	21.011	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	54131	21.162	ug/l	98
89) n-Butylbenzene	13.69	91	115488	20.582	ug/l	99
90) Hexachloroethane	13.96	117	22804	21.276	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	49611	20.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5183	20.123	ug/l	93

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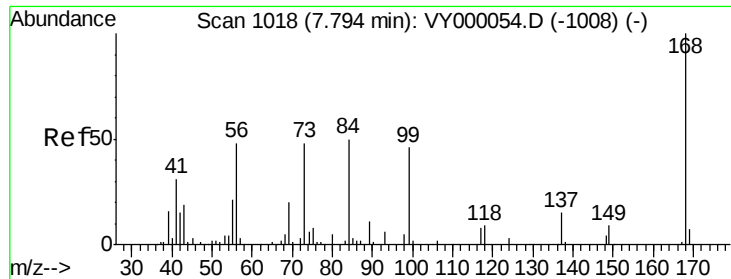
Manual Integrations
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9/24/2019 5:32:25 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32137	22.269	ug/l	98
94) Hexachlorobutadiene	15.11	225	14627	21.111	ug/l	96
95) Naphthalene	15.23	128	84231	20.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	27920	20.272	ug/l	97

(#) = 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: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion:168 Resp: 101934

Ion Ratio Lower Upper

168 100

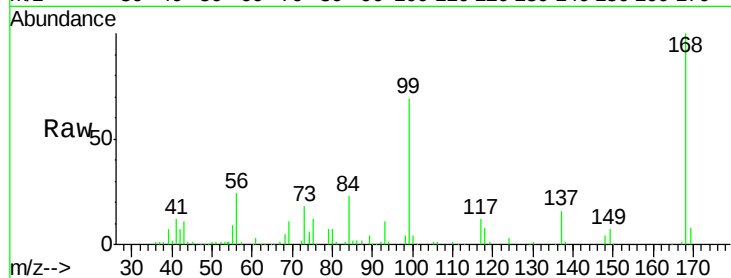
99 68.8 44.2 66.2#

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

40000

30000

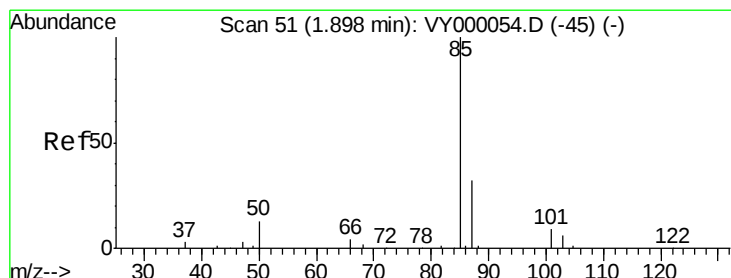
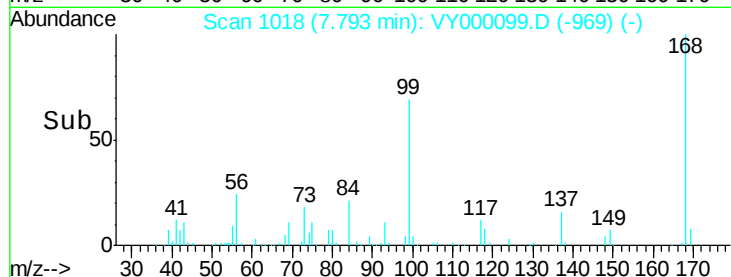
20000

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: VY000099.D

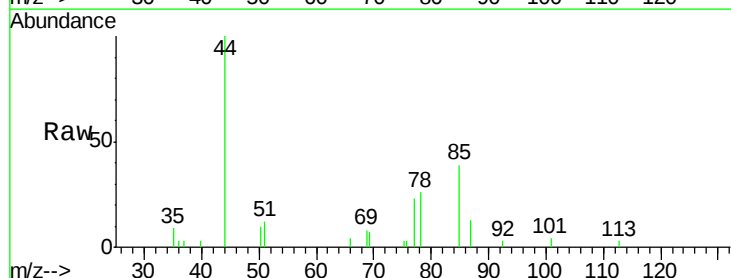
Acq: 20 Sep 2019 11:43

Tgt Ion: 85 Resp: 1331

Ion Ratio Lower Upper

85 100

87 32.8 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

800

600

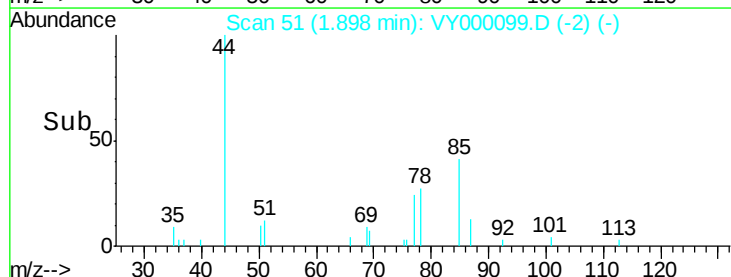
400

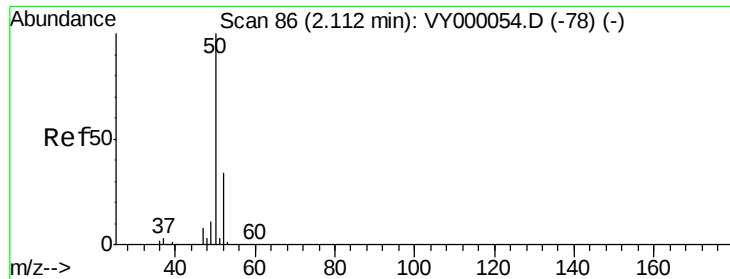
200

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.885 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 50 Resp: 10544

Ion Ratio Lower Upper

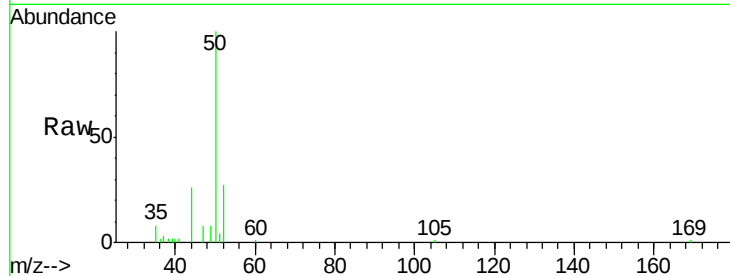
50 100

52 26.8 27.3 40.9#

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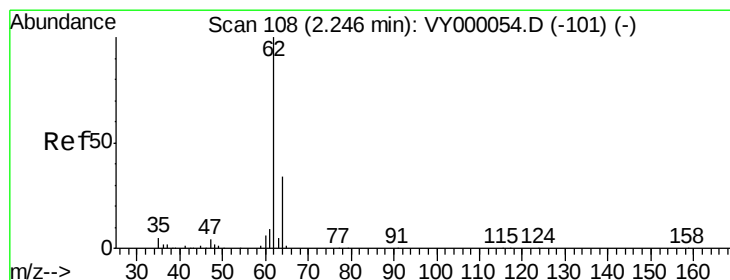
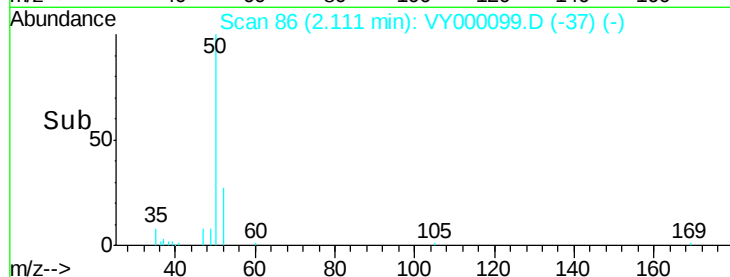
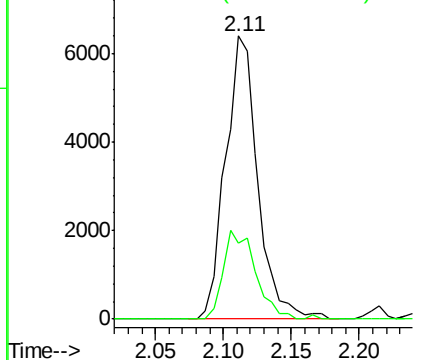
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 8.104 ug/l

RT: 2.25 min Scan# 109

Delta R.T. 0.01 min

Lab File: VY000099.D

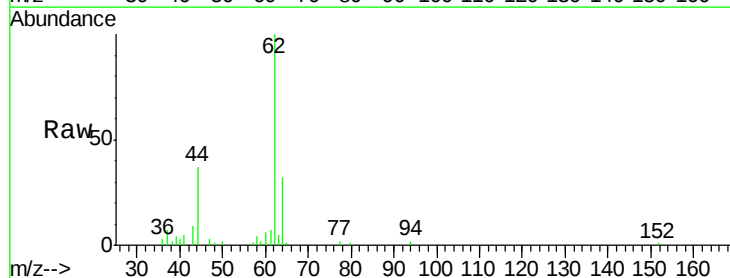
Acq: 20 Sep 2019 11:43

Tgt Ion: 62 Resp: 9217

Ion Ratio Lower Upper

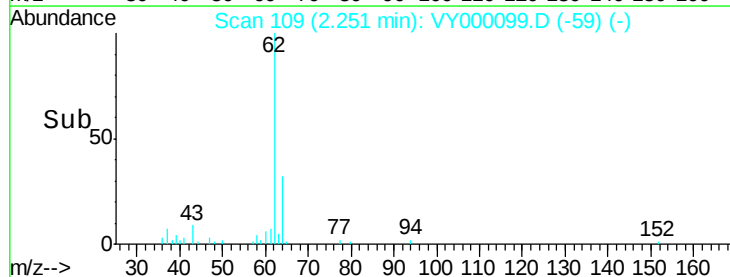
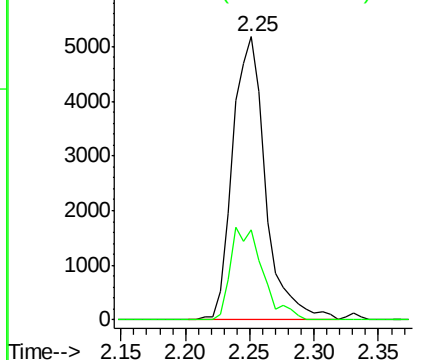
62 100

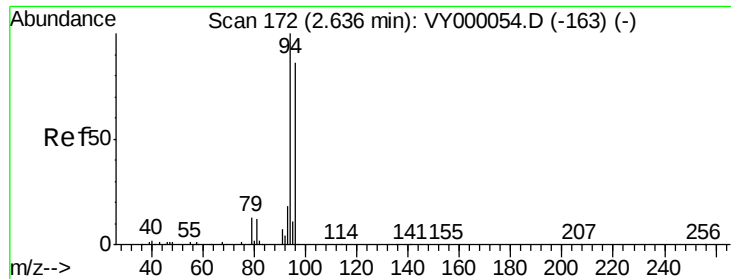
64 31.8 26.9 40.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 10.921 ug/l

RT: 2.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 94 Resp: 9171

Ion Ratio Lower Upper

94 100

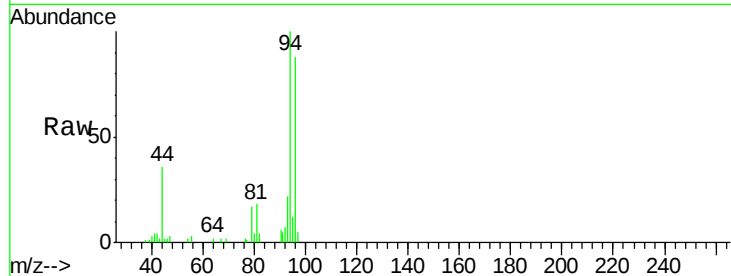
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Manual Integrations

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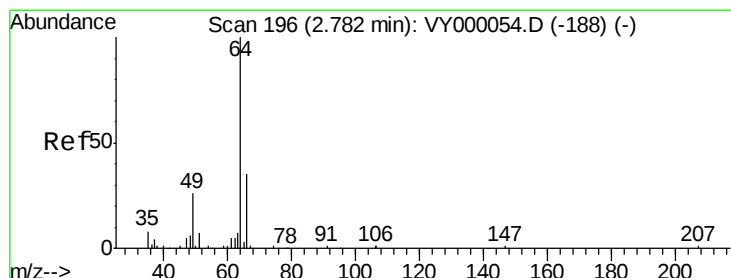
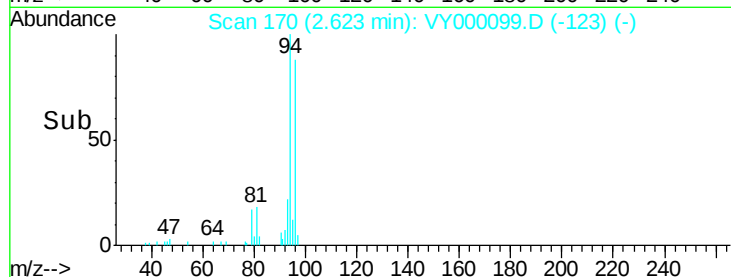
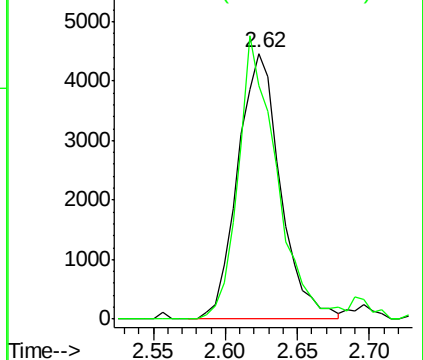
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 14.289 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000099.D

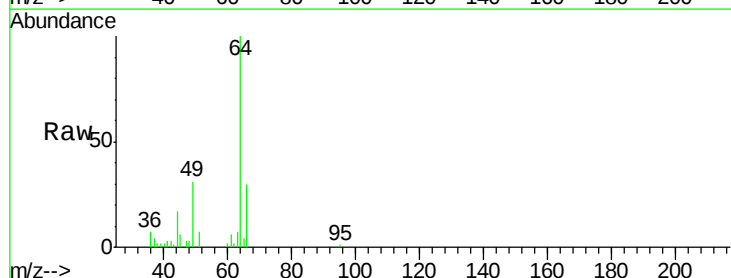
Acq: 20 Sep 2019 11:43

Tgt Ion: 64 Resp: 10894

Ion Ratio Lower Upper

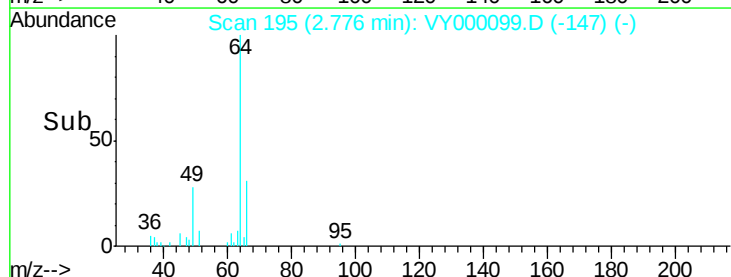
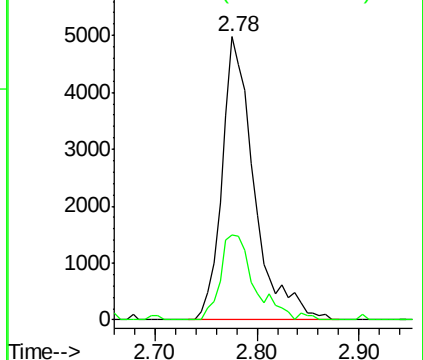
64 100

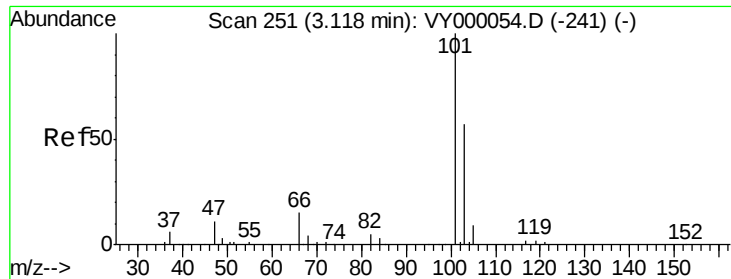
66 30.0 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

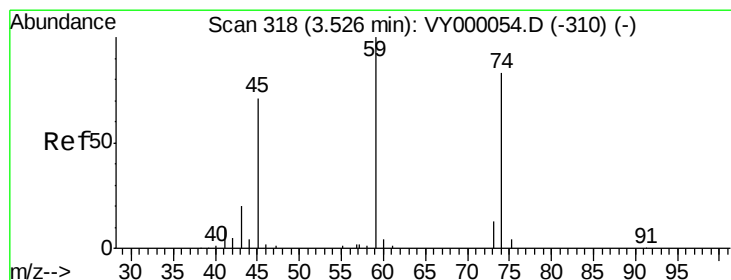
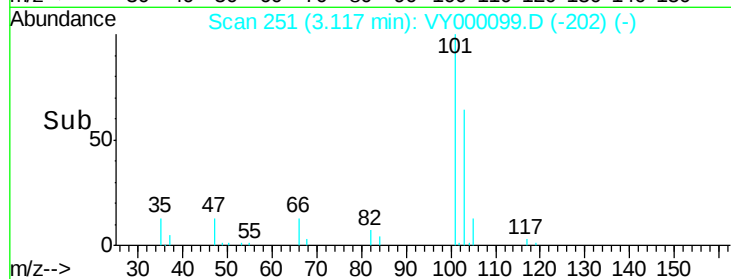
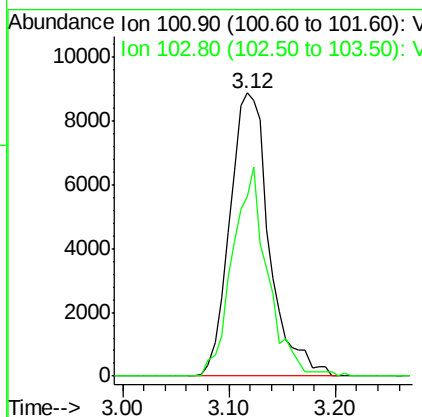
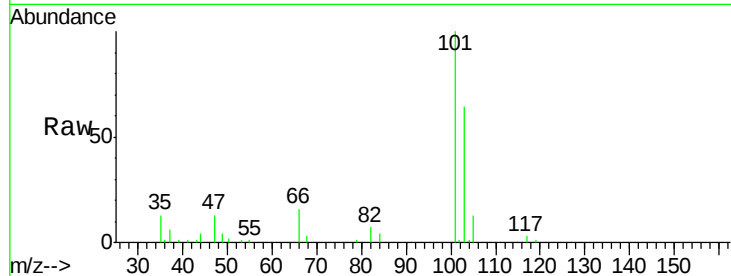
Trichlorofluoromethane
Concen: 14.715 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
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ClientSampleId :
VY0920SBS01

Tot Ion:101 Resp: 23142
Ion Ratio Lower Upper
101 100
103 63.6 45.7 68.5

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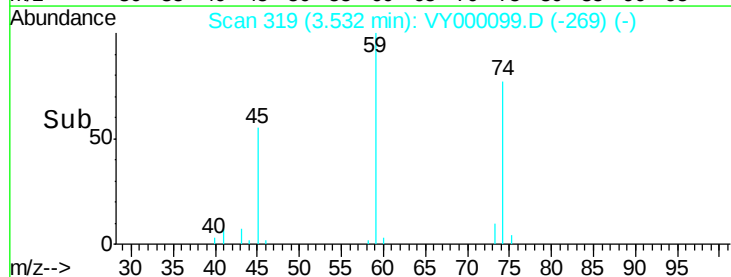
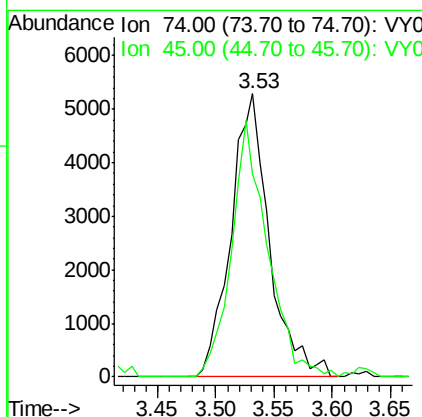
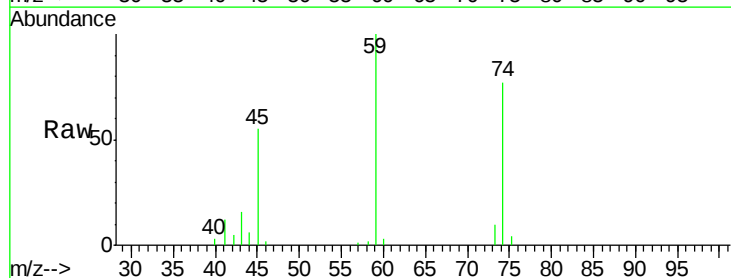
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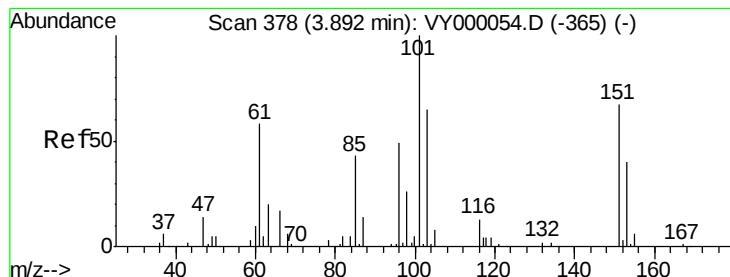


#8

Diethyl Ether
Concen: 17.995 ug/l
RT: 3.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 74 Resp: 12117
Ion Ratio Lower Upper
74 100
45 85.3 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.785 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

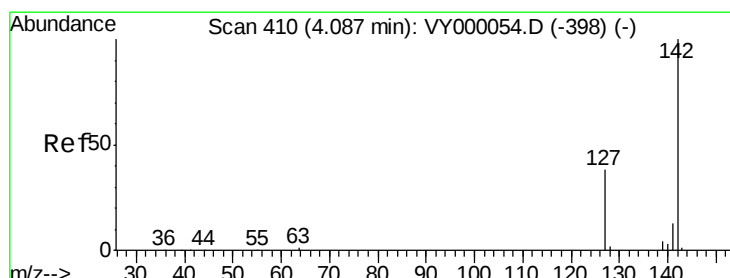
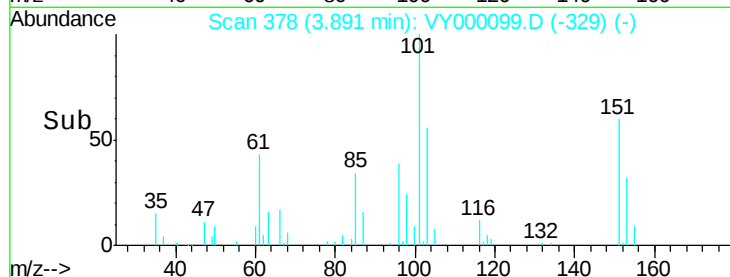
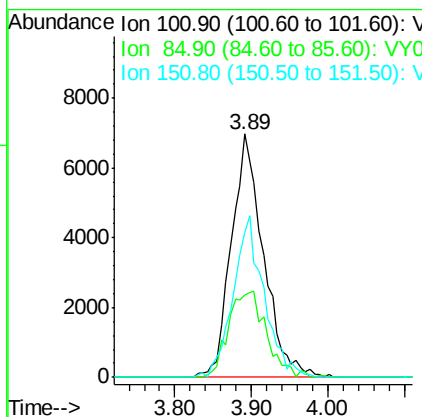
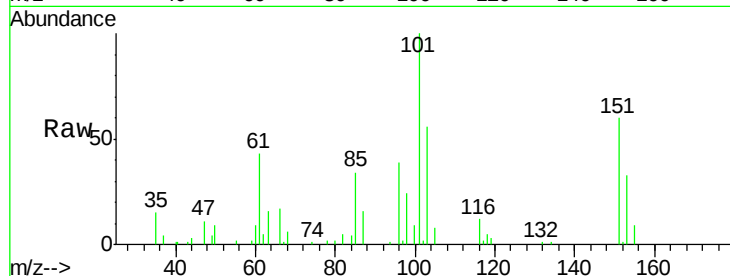
ClientSampleId :

VY0920SBS01

Tot Ion:	101	Resp:	20267
Ion Ratio	Lower	Upper	
101	100		
85	41.0	36.8	55.2
151	63.8	54.4	81.6

Manual Integrations
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9/24/2019 5:32:25 AM



#10

Methyl Iodide

Concen: 14.760 ug/l

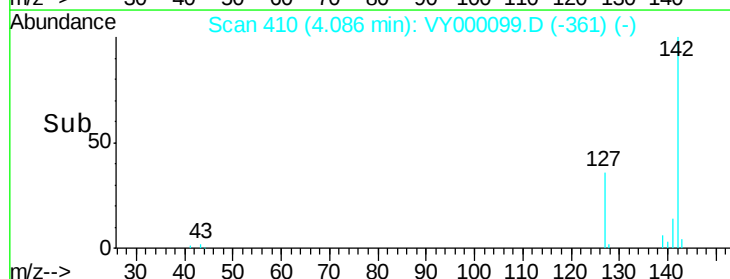
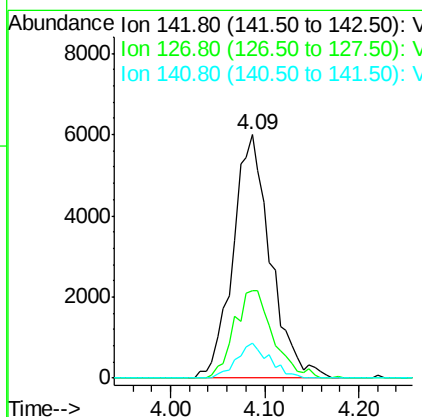
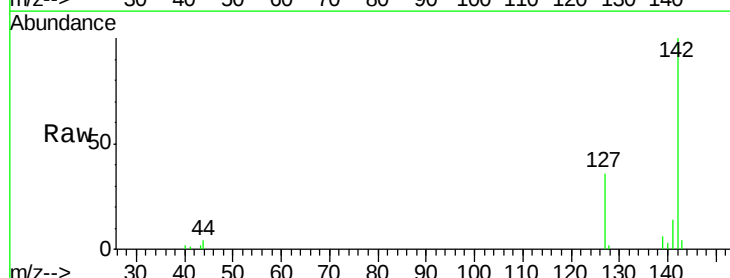
RT: 4.09 min Scan# 410

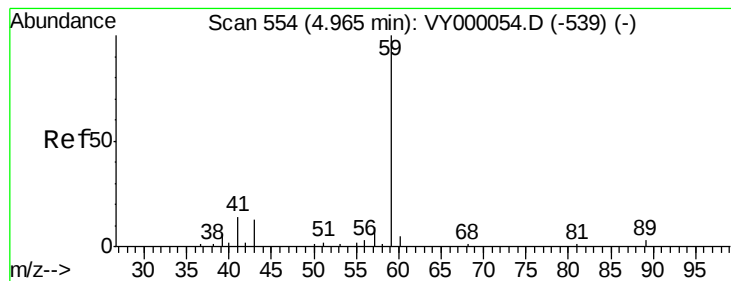
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	142	Resp:	16561
Ion Ratio	Lower	Upper	
142	100		
127	37.4	31.6	47.4
141	12.7	10.9	16.3





#11

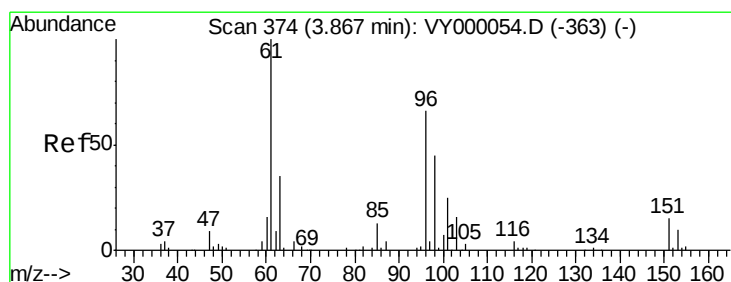
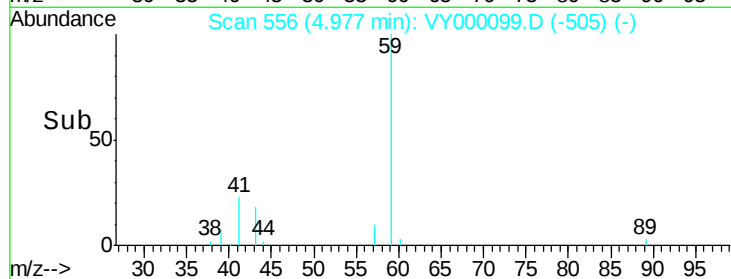
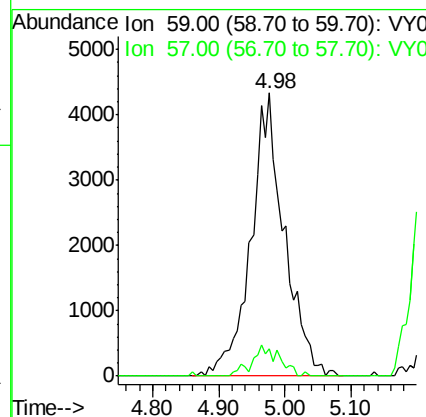
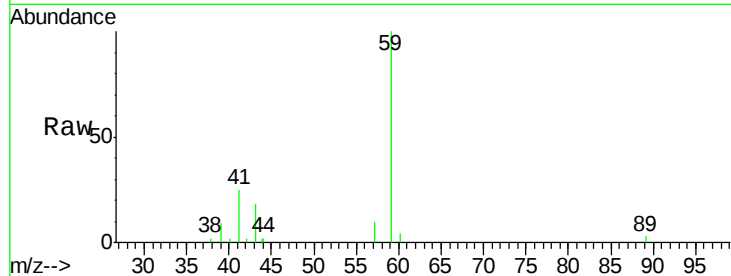
Tert butyl alcohol
 Concen: 109.658 ug/l
 RT: 4.98 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	59	Resp	15246
Ion Ratio	100	Lower	Upper
57	8.8	8.0	12.0

Manual Integrations
 APPROVED

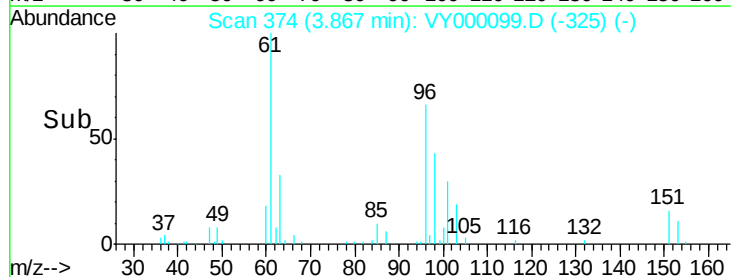
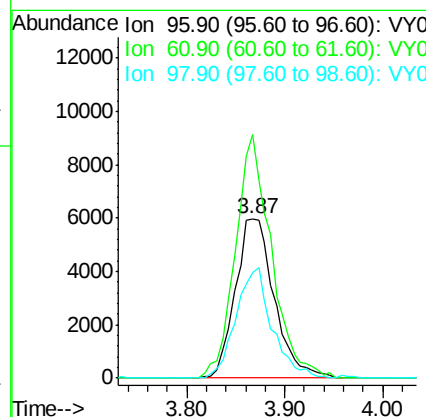
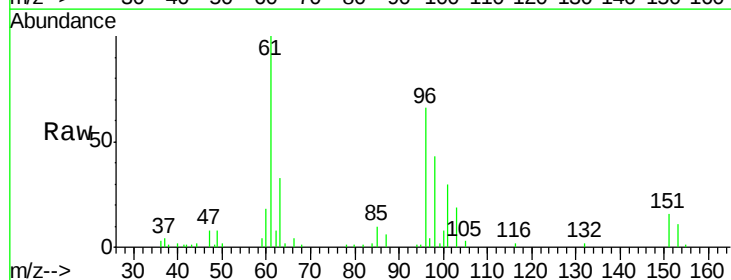
MMDadoda
 9/24/2019 5:32:25 AM

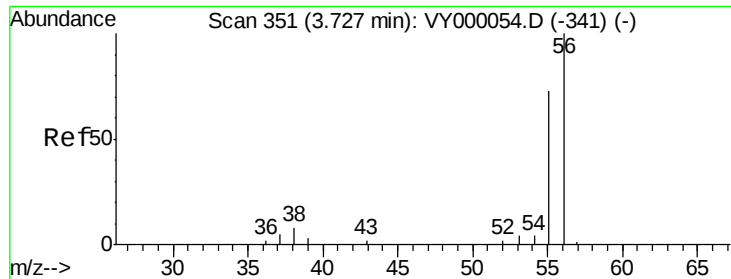


#12

1,1-Dichloroethene
 Concen: 16.643 ug/l
 RT: 3.87 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	96	Resp	16553
Ion Ratio	100	Lower	Upper
61	152.6	120.4	180.6
98	66.1	54.1	81.1





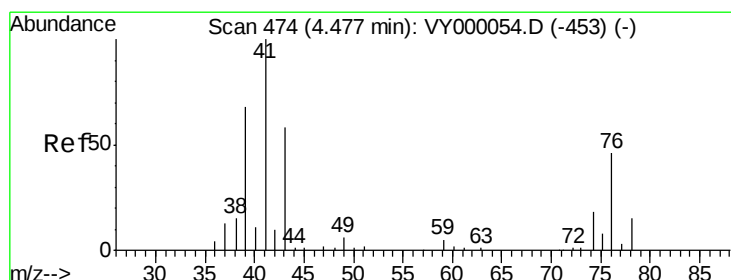
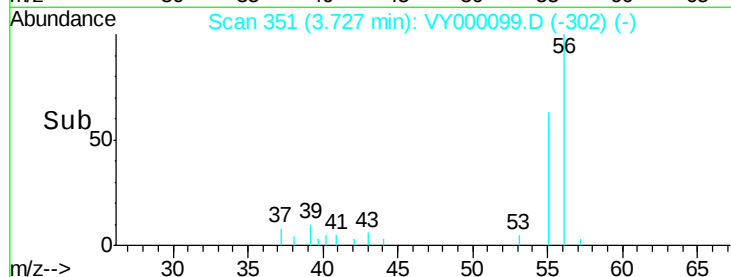
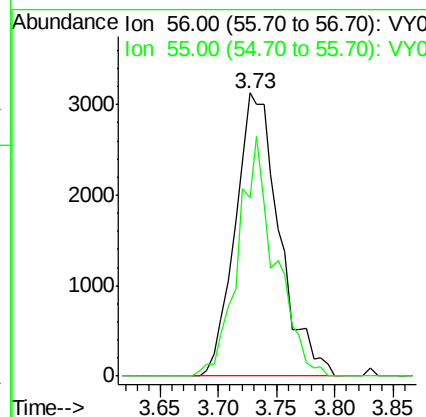
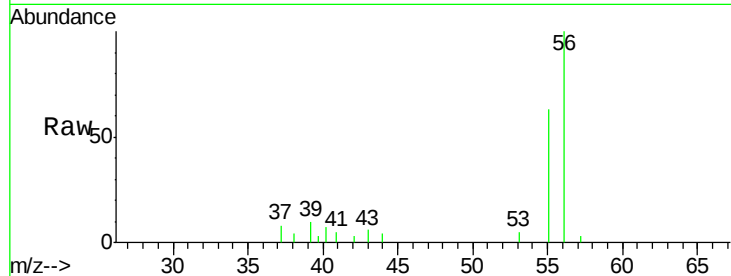
#13
Acrolein
Concen: 97.921 ug/l
RT: 3.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	56	Resp	8243
Ion Ratio	100	Lower	Upper
55	71.3	57.8	86.8

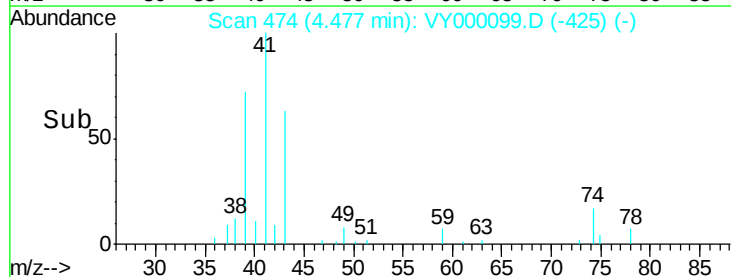
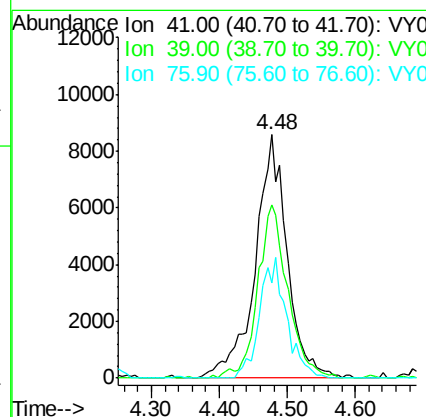
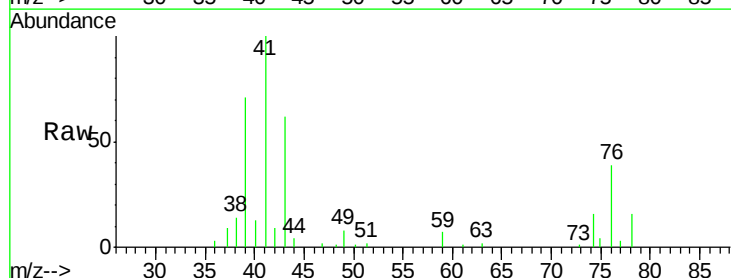
Manual Integrations
APPROVED

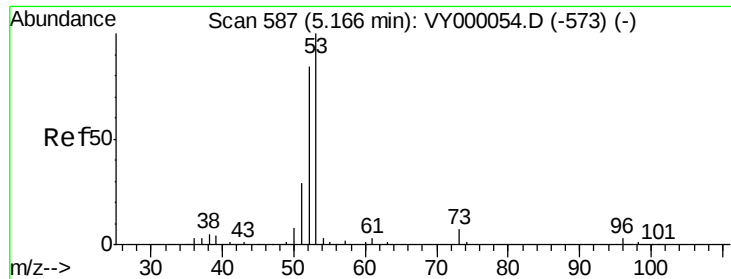
MMDadoda
9/24/2019 5:32:25 AM



#14
Allyl chloride
Concen: 18.541 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	41	Resp	28184
Ion Ratio	100	Lower	Upper
39	66.9	52.7	79.1
76	41.6	35.5	53.3





#15

Acrylonitrile

Concen: 102.182 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

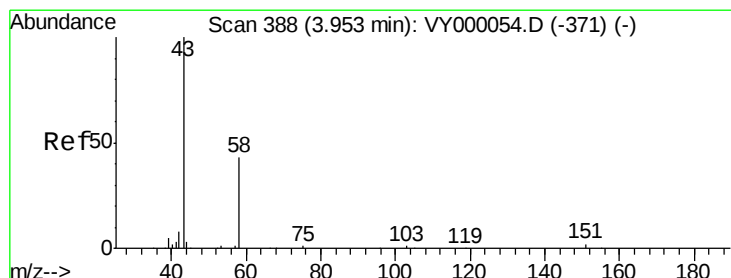
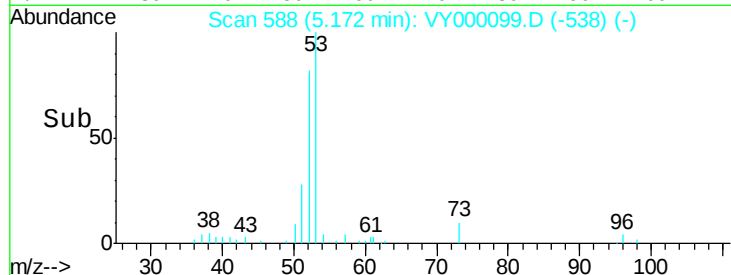
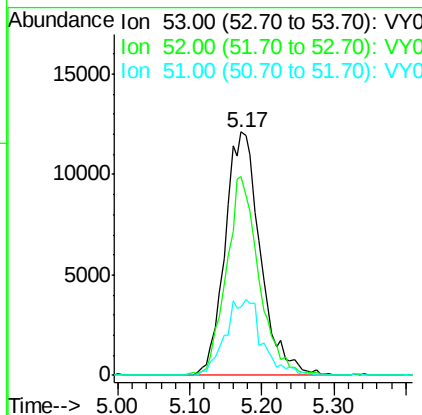
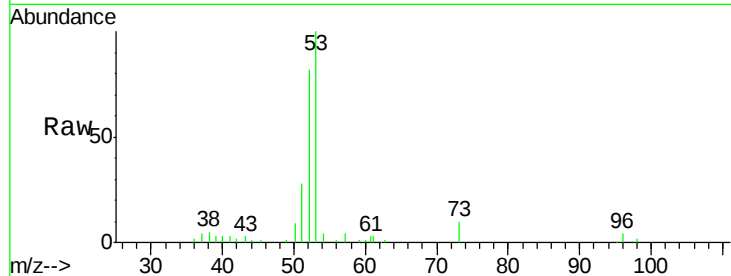
ClientSampleId :

VY0920SBS01

Tot Ion:	53	Resp:	41259
Ion	Ratio	Lower	Upper
53	100		
52	75.8	64.7	97.1
51	32.3	26.7	40.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:32:25 AM



#16

Acetone

Concen: 88.879 ug/l

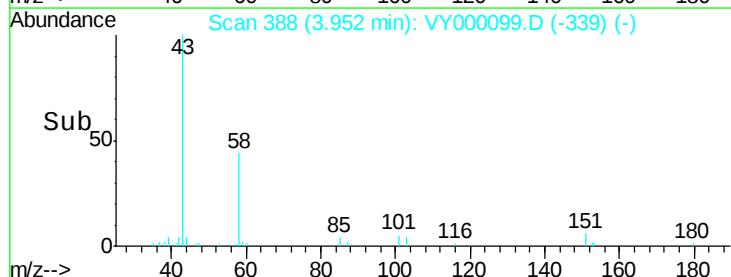
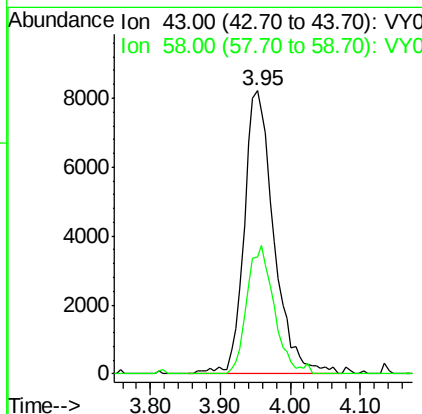
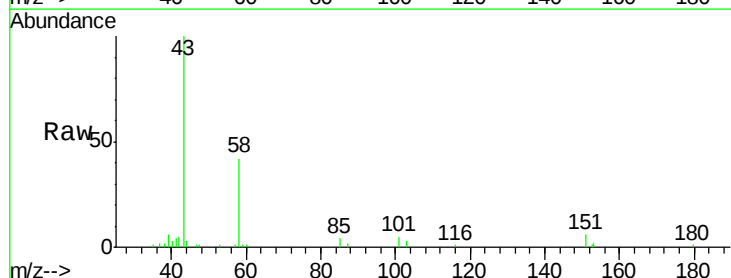
RT: 3.95 min Scan# 388

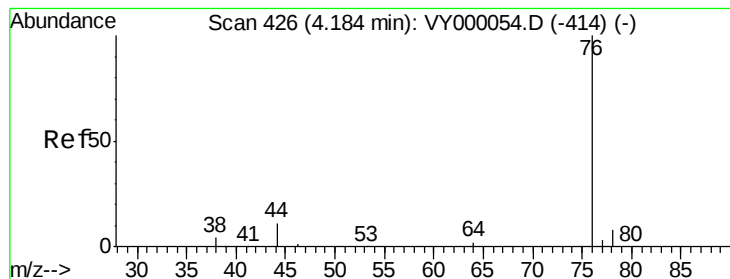
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	43	Resp:	24269
Ion	Ratio	Lower	Upper
43	100		
58	41.5	34.5	51.7





#17

Carbon Disulfide

Concen: 12.167 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 76 Resp: 26171

Ion Ratio Lower Upper

76 100

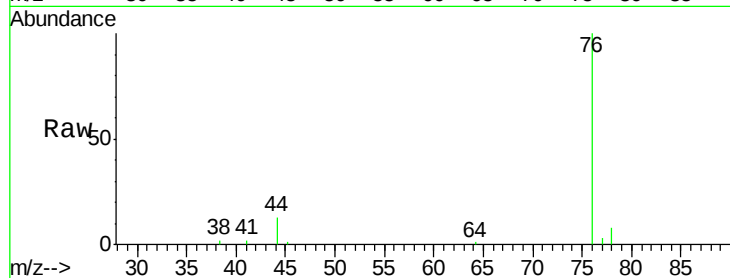
78 7.9 6.6 9.8

Manual Integrations

APPROVED

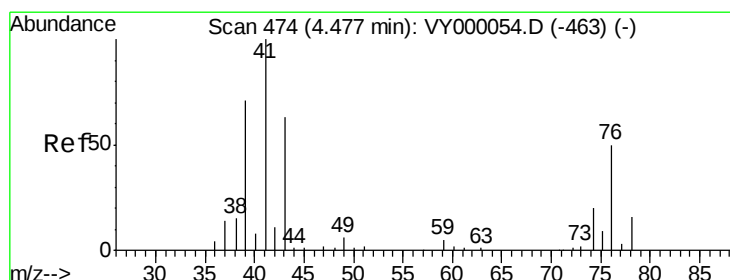
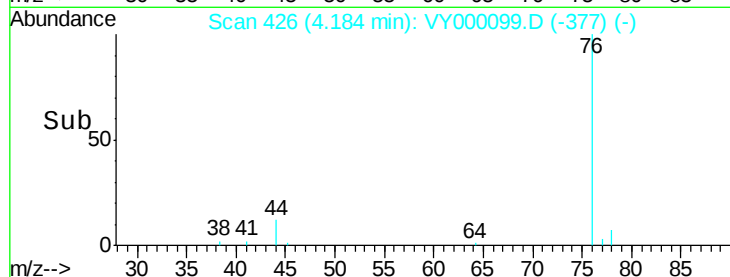
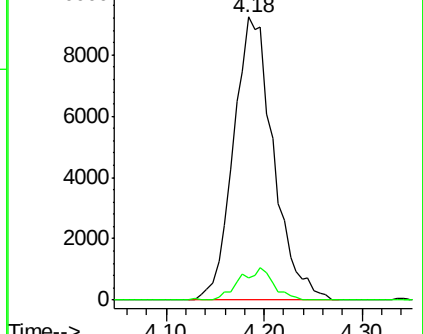
MMDadoda

9/24/2019 5:32:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.589 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000099.D

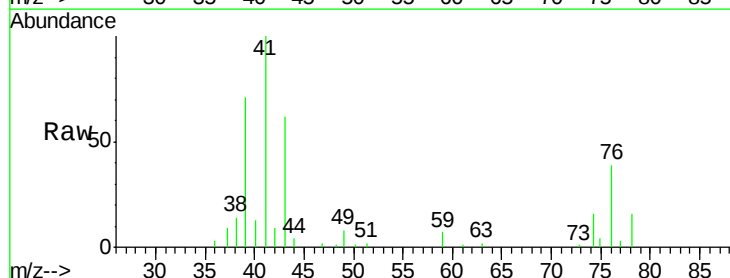
Acq: 20 Sep 2019 11:43

Tgt Ion: 43 Resp: 16958

Ion Ratio Lower Upper

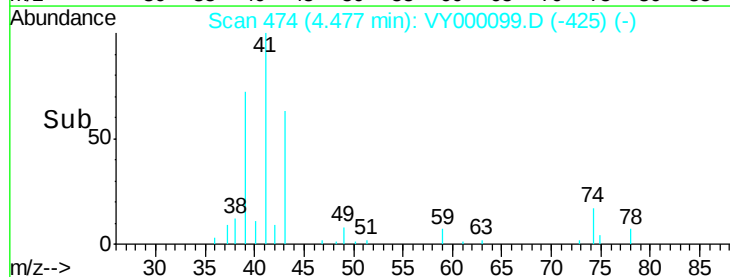
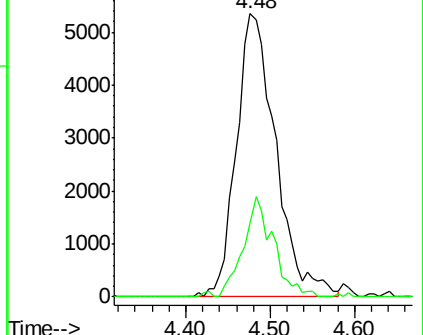
43 100

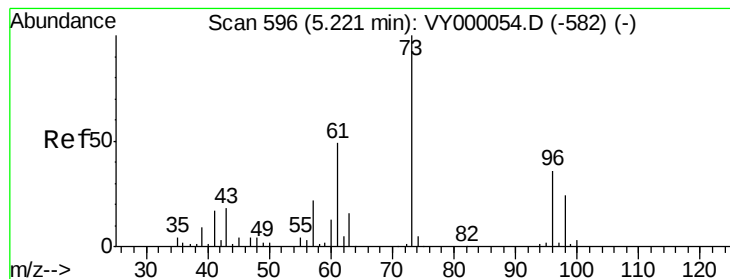
74 26.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

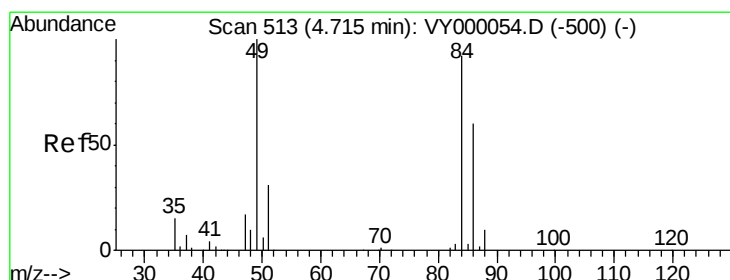
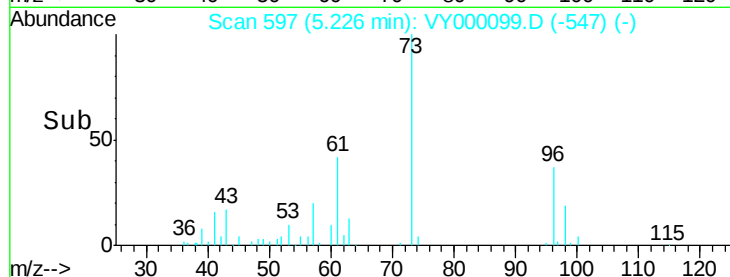
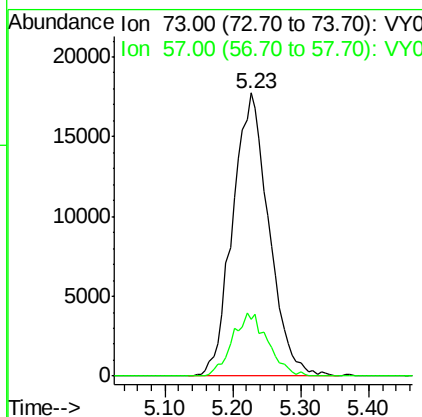
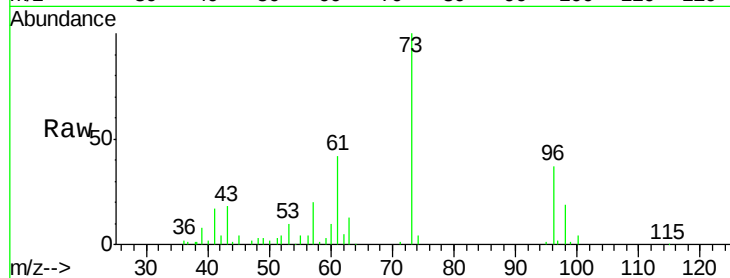
Methyl tert-butyl Ether
 Concen: 21.139 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	73	Resp	65703
Ion Ratio	100	Lower	Upper
57	20.2	17.5	26.3

Manual Integrations
 APPROVED

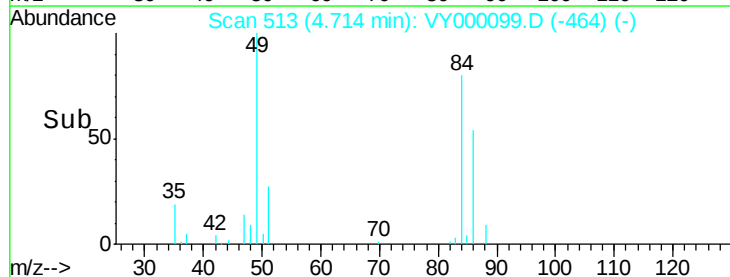
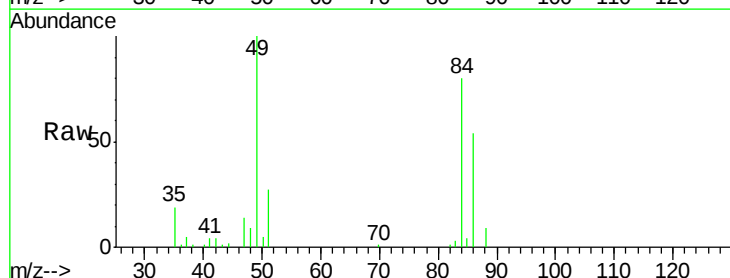
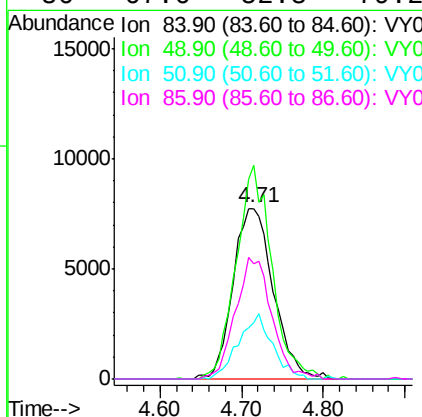
MMDadoda
 9/24/2019 5:32:25 AM

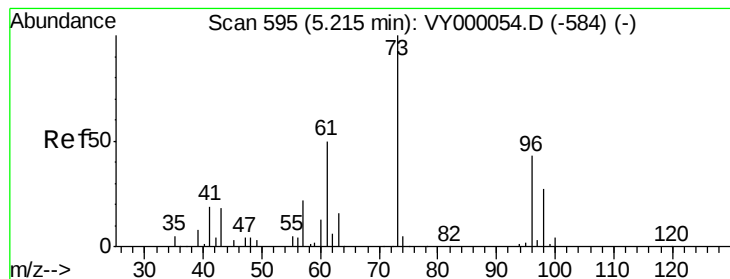


#20

Methylene Chloride
 Concen: 20.629 ug/l
 RT: 4.71 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	84	Resp	26499
Ion Ratio	100	Lower	Upper
49	125.1	87.4	131.0
51	33.3	27.2	40.8
86	67.6	52.8	79.2





#21

trans-1,2-Dichloroethene

Concen: 18.647 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 96 Resp: 20616

Ion Ratio Lower Upper

96 100

61 115.5 94.0 141.0

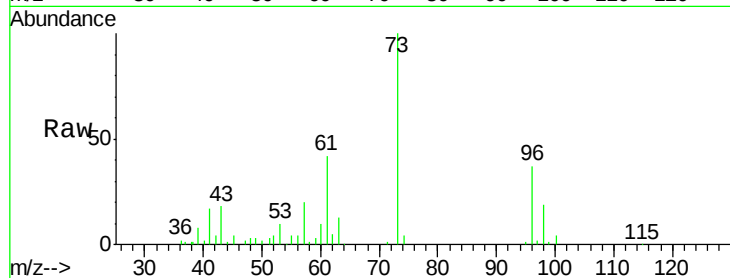
98 53.1 50.3 75.5

Manual Integrations

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MMDadoda

9/24/2019 5:32:25 AM

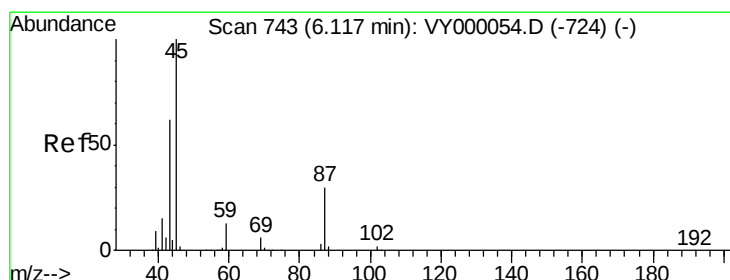
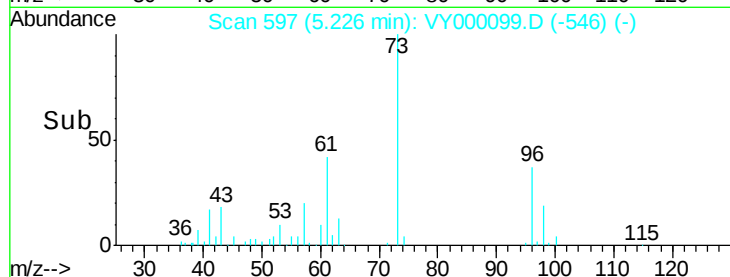
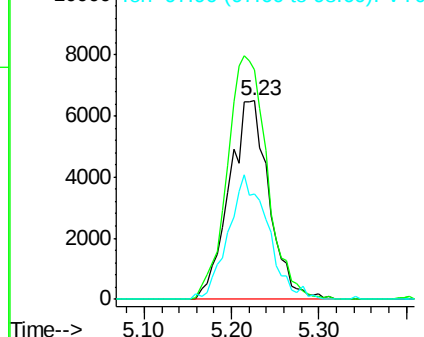


Abundance

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: 20.774 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion: 45 Resp: 71347

Ion Ratio Lower Upper

45 100

43 50.1 49.9 74.9

87 31.5 25.0 37.4

59 11.0 10.4 15.6

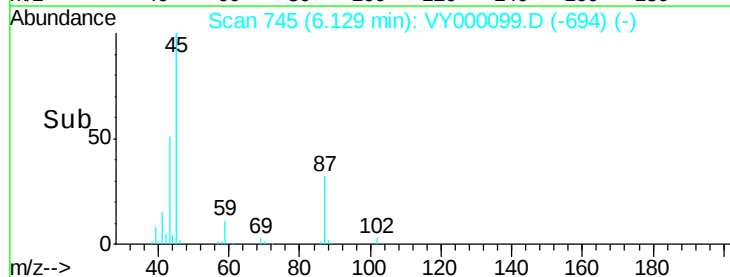
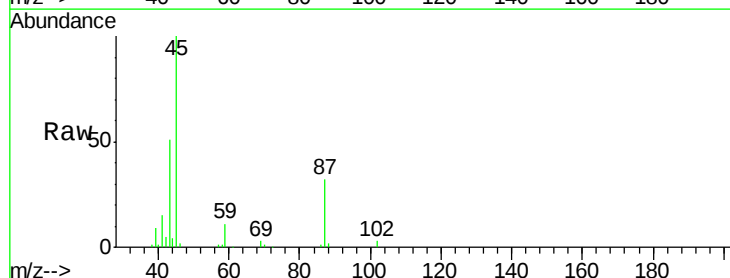
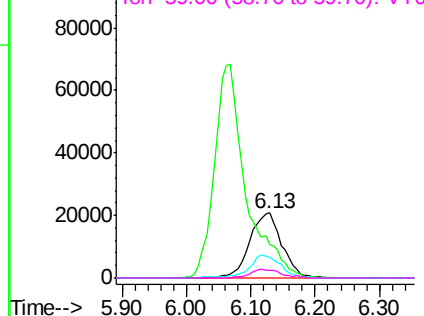
Abundance

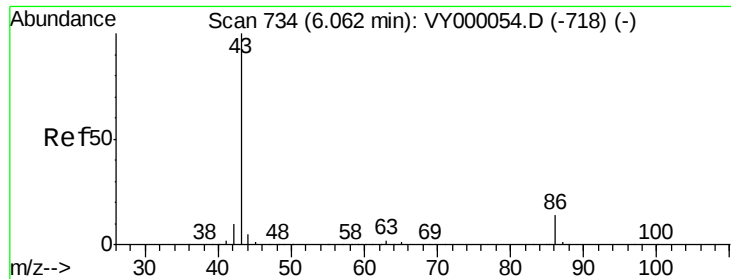
Ion 45.00 (44.70 to 45.70): VY0

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: 101.647 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 43 Resp: 233650

Ion Ratio Lower Upper

43 100

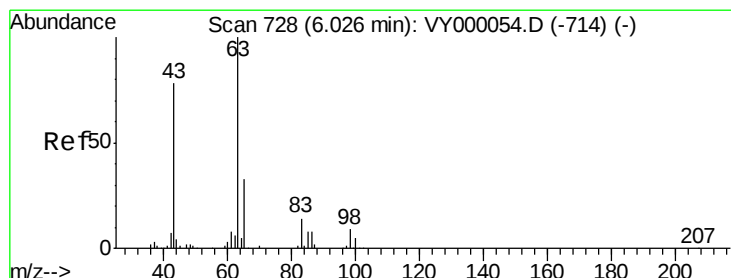
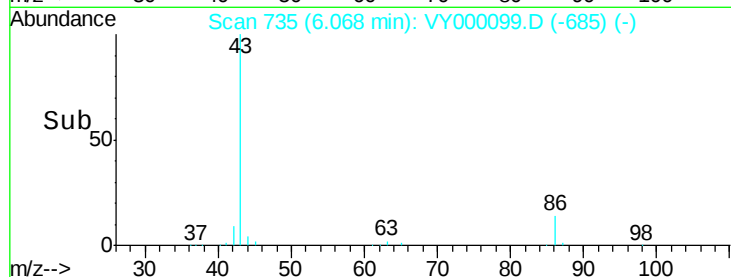
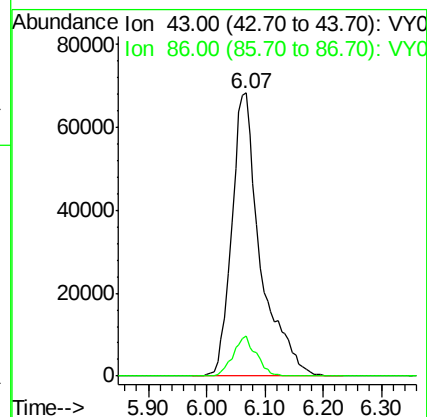
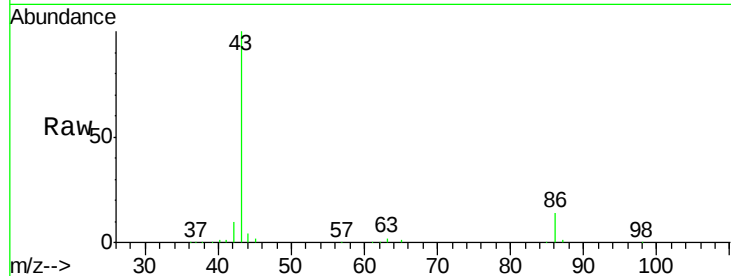
86 14.0 11.3 16.9

Manual Integrations

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MMDadoda

9/24/2019 5:32:25 AM



#24

1,1-Dichloroethane

Concen: 19.836 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

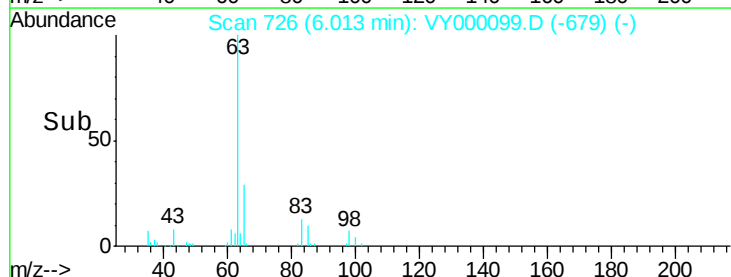
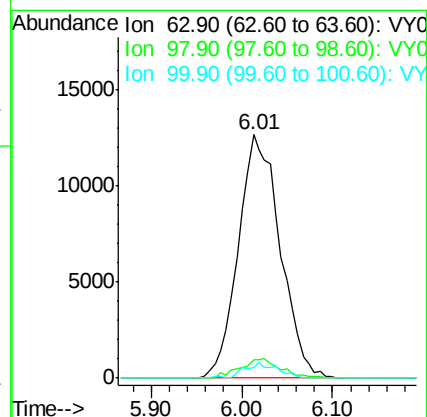
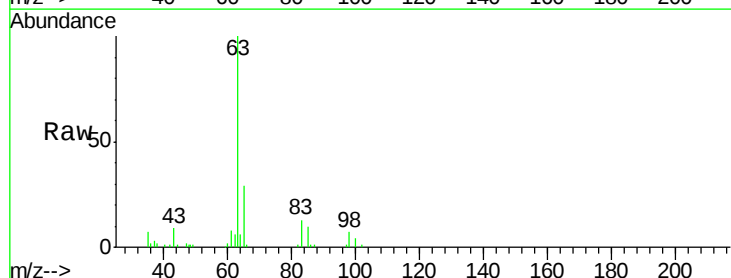
Tgt Ion: 63 Resp: 40323

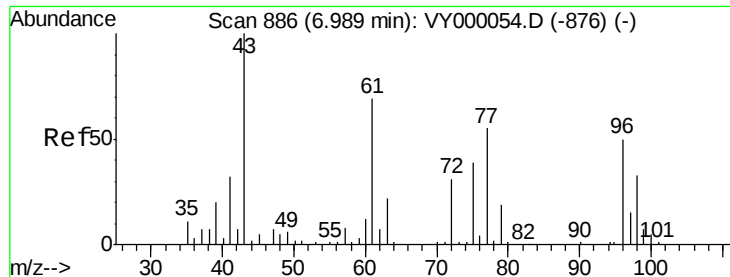
Ion Ratio Lower Upper

63 100

98 7.3 4.5 13.5

100 4.5 2.5 7.5





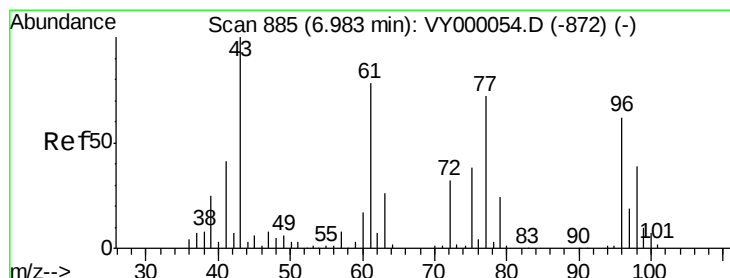
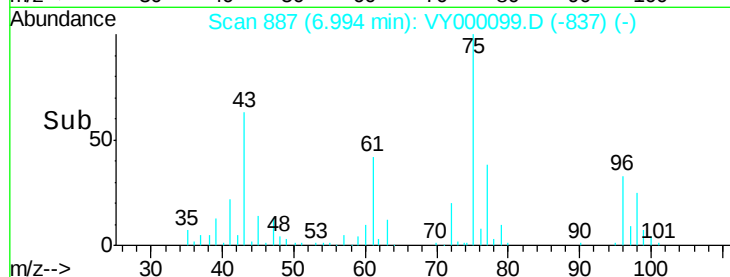
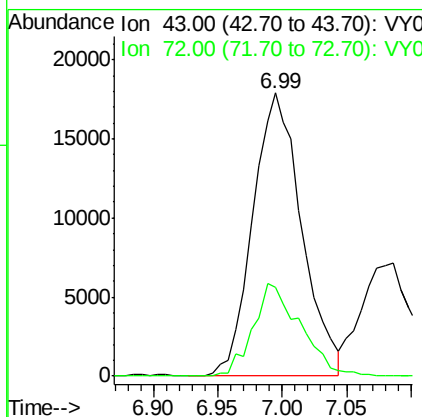
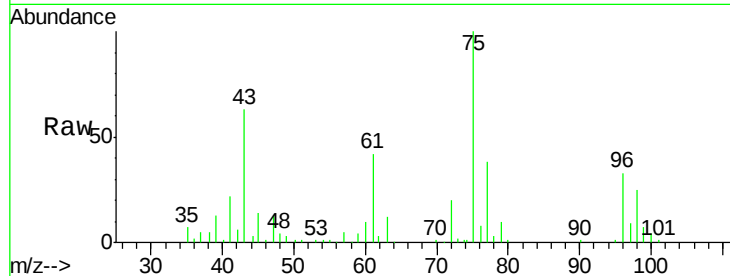
#25
2-Butanone
Concen: 95.207 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion: 43 Resp: 47087
Ion Ratio Lower Upper
43 100
72 31.4 24.7 37.1

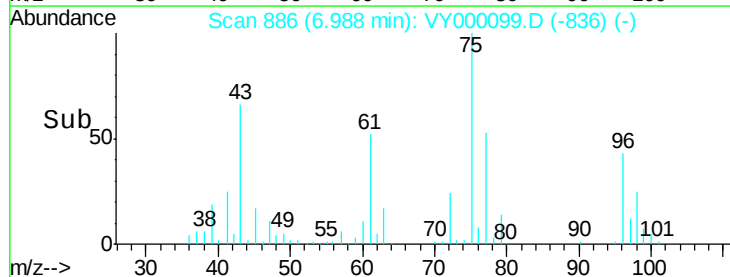
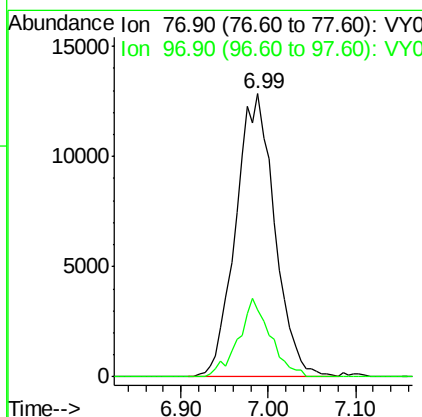
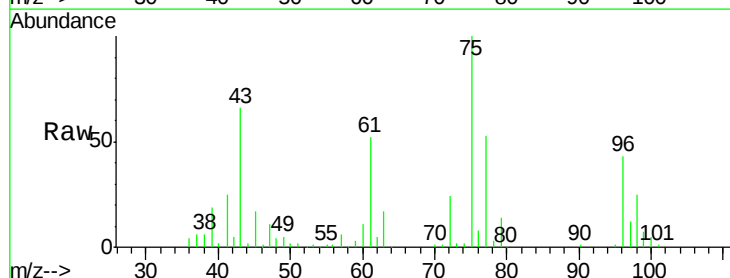
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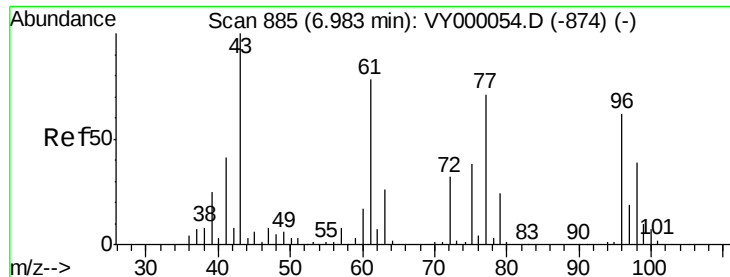
MMDadoda
9/24/2019 5:32:25 AM



#26
2,2-Dichloropropane
Concen: 20.727 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 77 Resp: 39762
Ion Ratio Lower Upper
77 100
97 22.8 12.5 37.5





#27

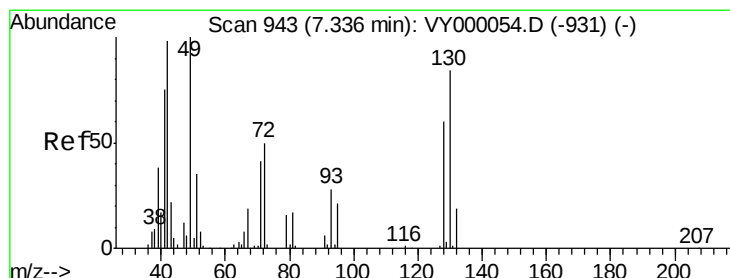
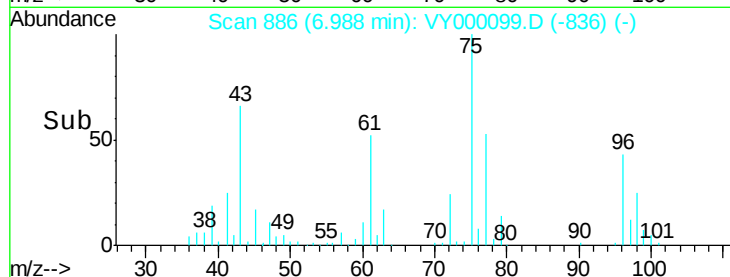
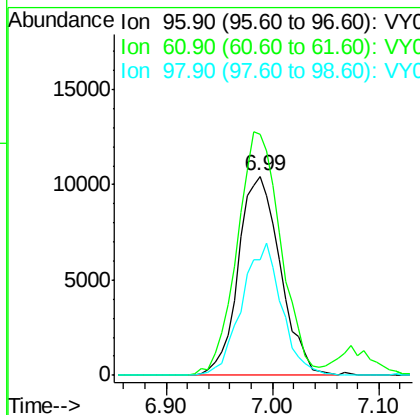
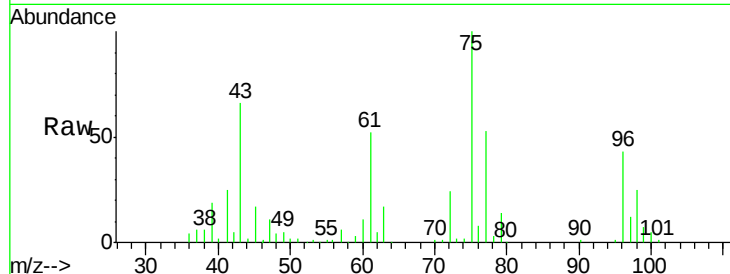
cis-1,2-Dichloroethene
Concen: 20.655 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	28913		
61	127.4	0.0	263.0	
98	63.1	0.0	130.2	

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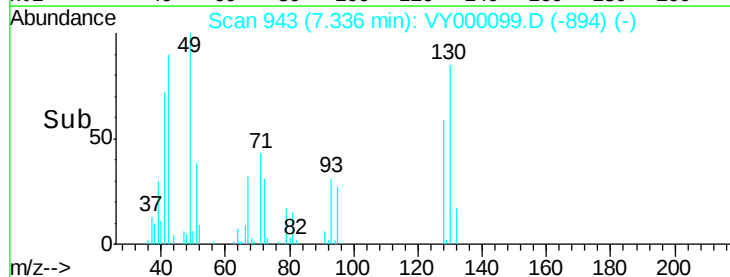
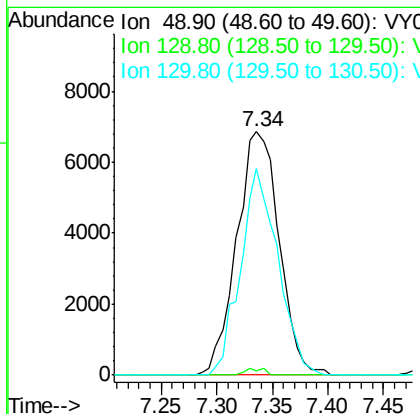
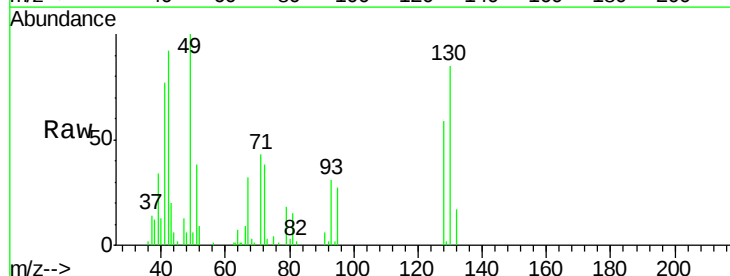
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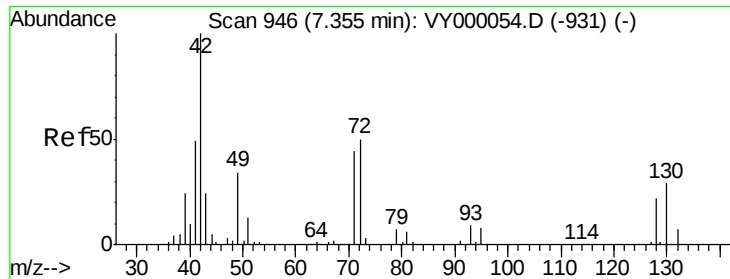


#28

Bromochloromethane
Concen: 19.299 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18185		
129	1.2	0.0	4.8	
130	75.2	66.2	99.4	





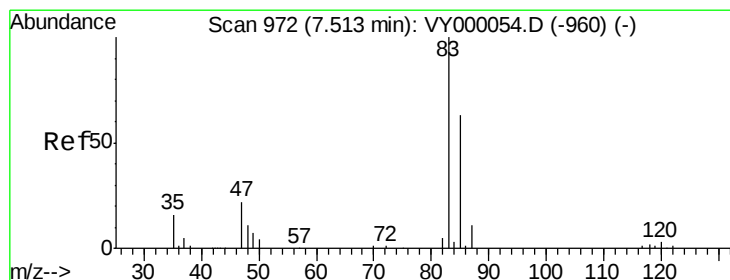
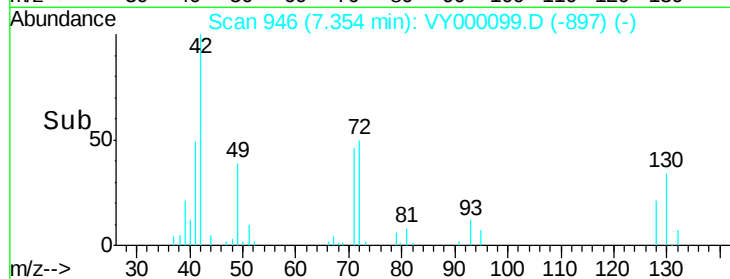
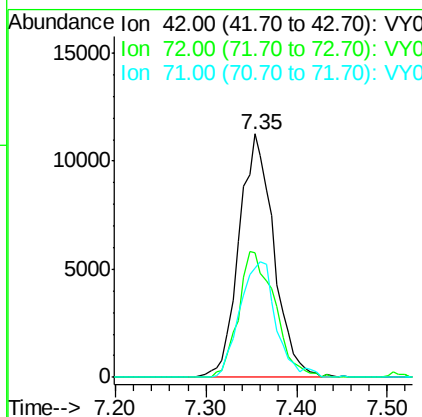
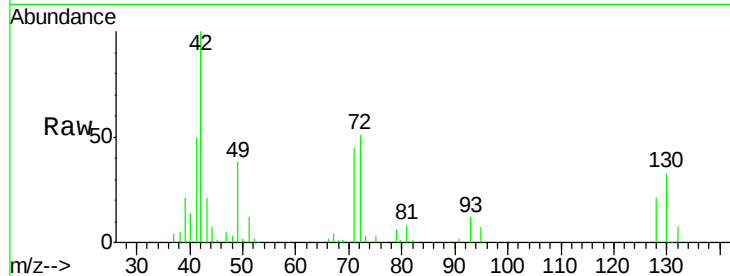
#29
Tetrahydrofuran
Concen: 100.506 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.8	41.8	62.6
71	49.6	38.6	58.0

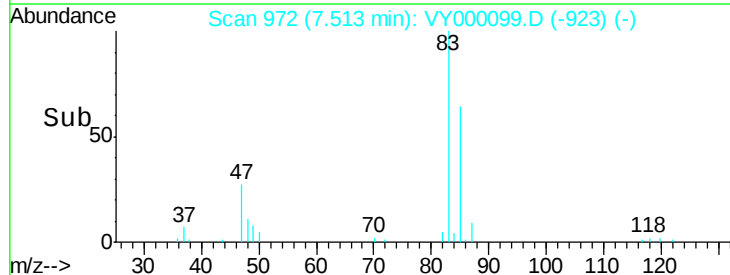
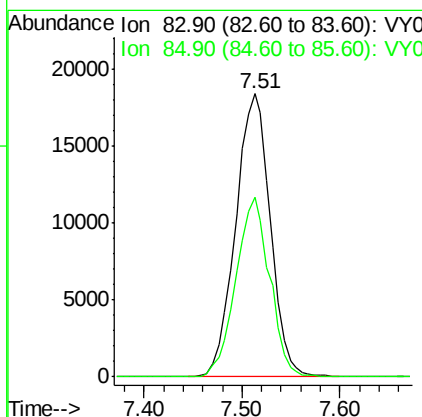
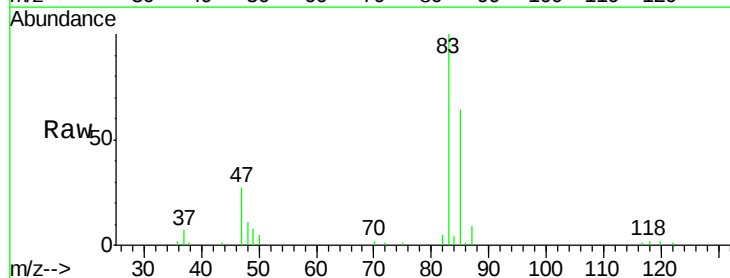
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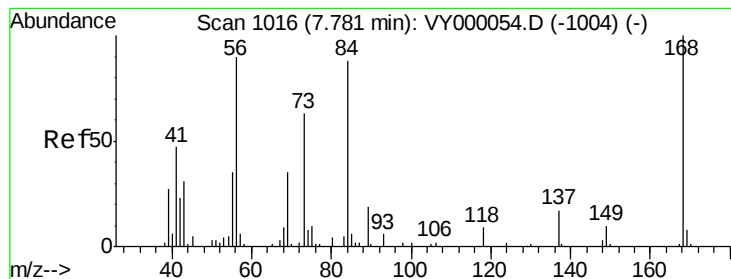
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#30
Chloroform
Concen: 21.534 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	76.0





#31

Cyclohexane

Concen: 18.229 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

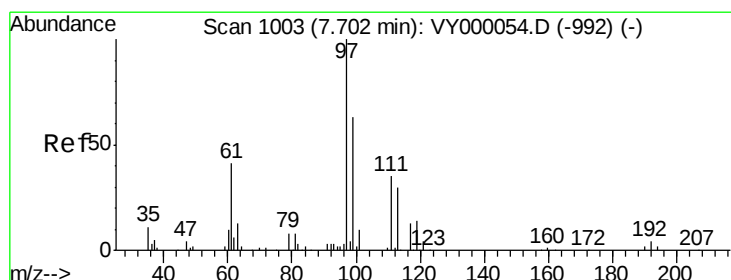
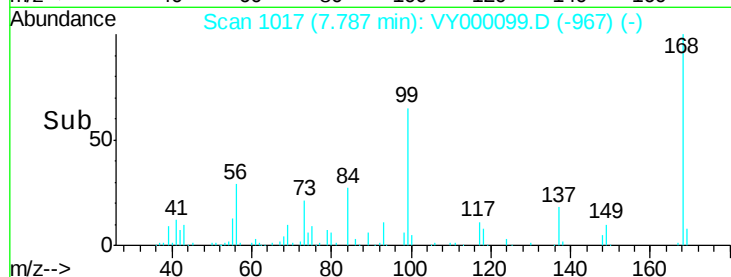
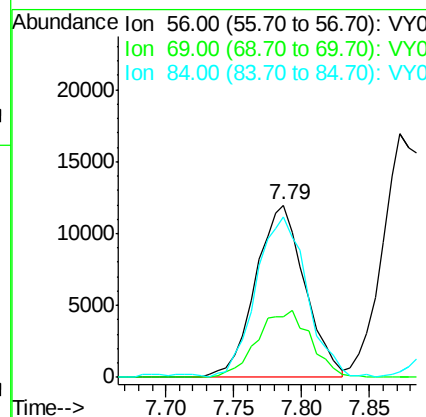
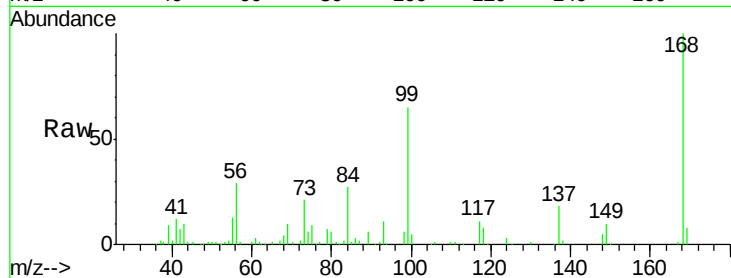
ClientSampleId :

VY0920SBS01

Tot Ion:	56	Resp:	30433
Ion Ratio	Lower	Upper	
56	100		
69	35.2	30.9	46.3
84	91.4	78.5	117.7

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#32

1,1,1-Trichloroethane

Concen: 20.464 ug/l

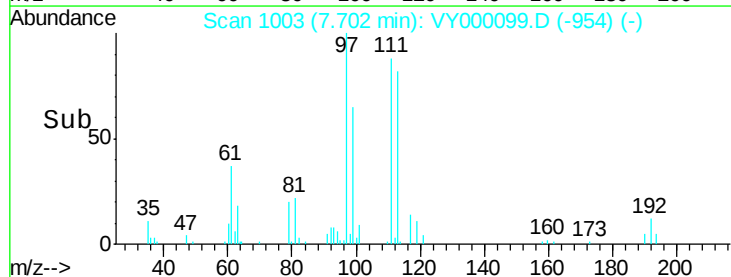
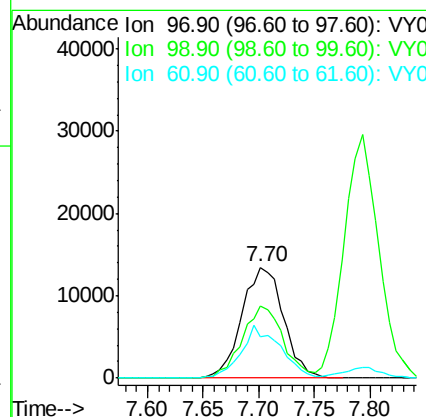
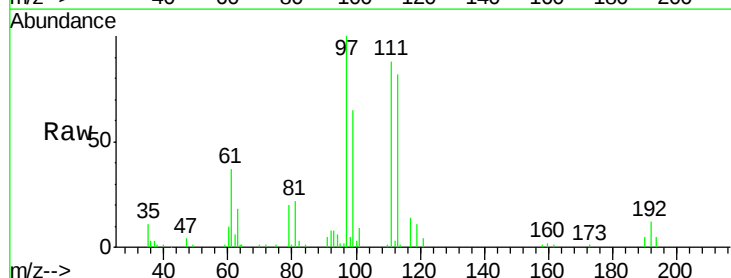
RT: 7.70 min Scan# 1003

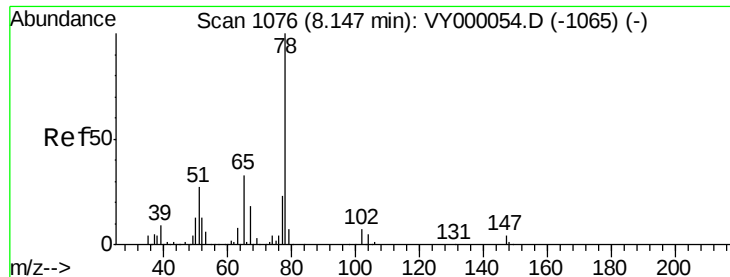
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	97	Resp:	34869
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.8	77.6
61	44.5	34.3	51.5





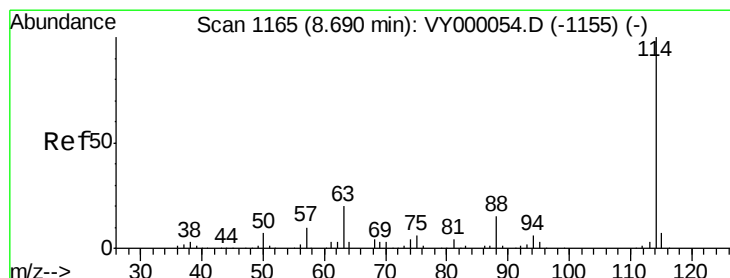
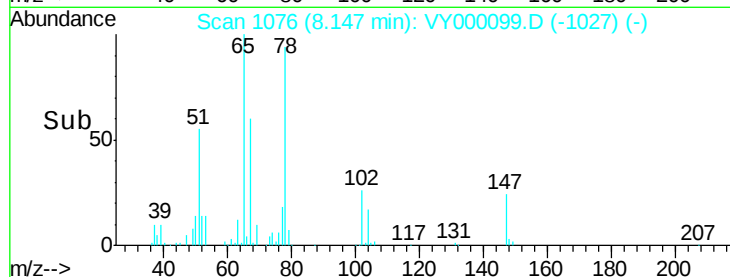
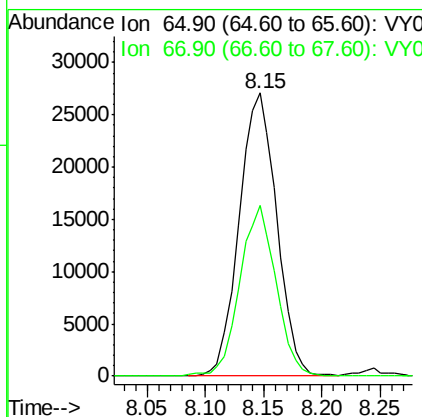
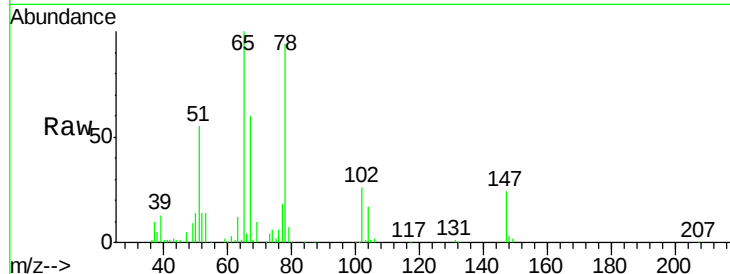
#33
 1,2-Dichloroethane-d4
 Concen: 51.796 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	60745		
67	58.3	0.0	111.0	

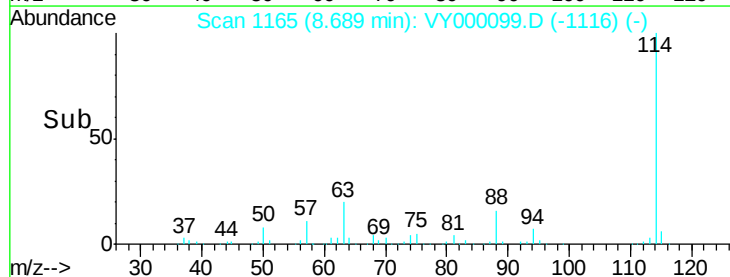
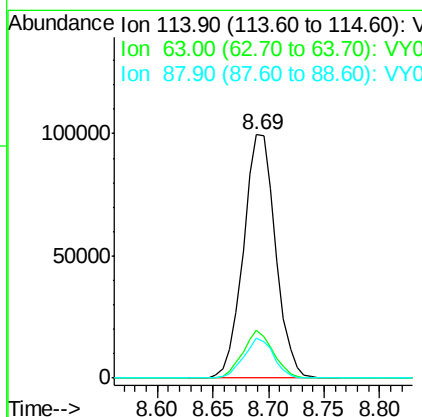
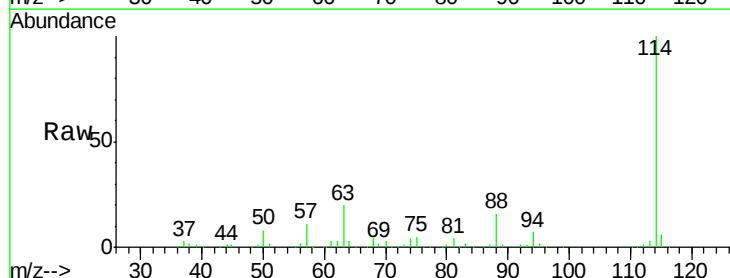
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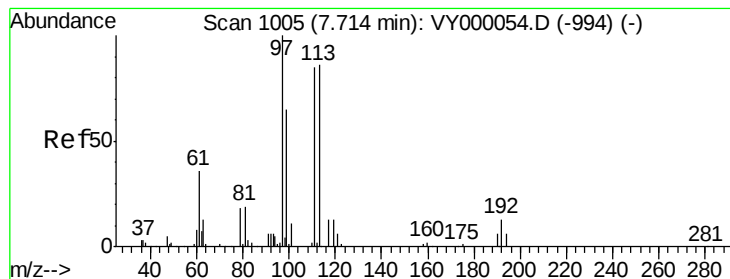
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	199860		
63	19.7	0.0	39.4	
88	16.3	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.195 ug/l

RT: 7.73 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

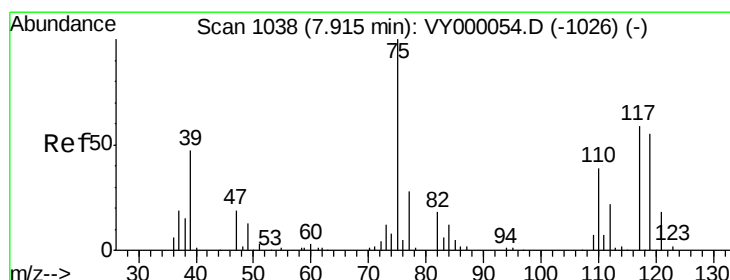
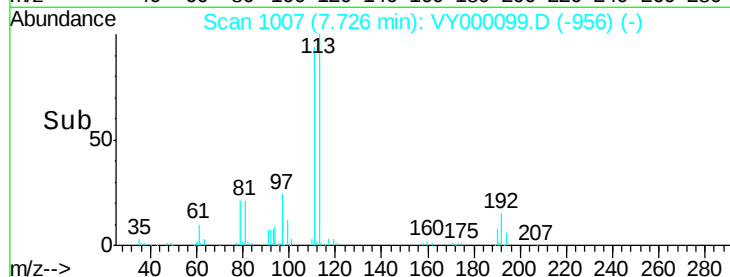
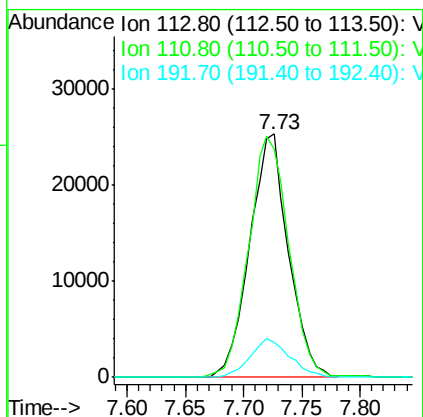
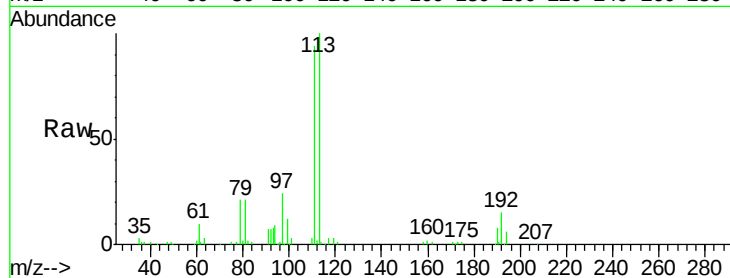
ClientSampleId :

VY0920SBS01

Tot Ion:	113	Resp:	58321
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.7	122.5
192	16.3	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 19.112 ug/l

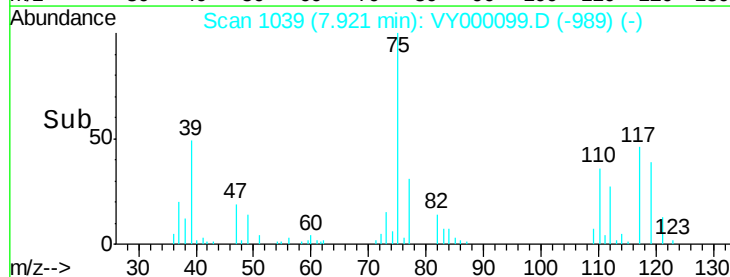
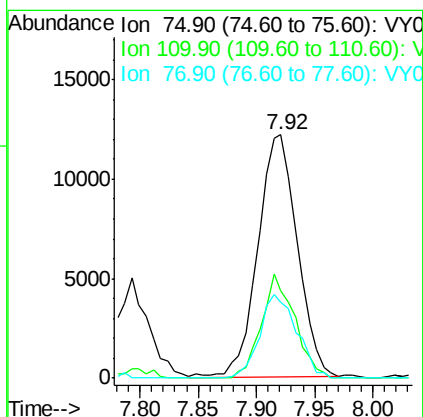
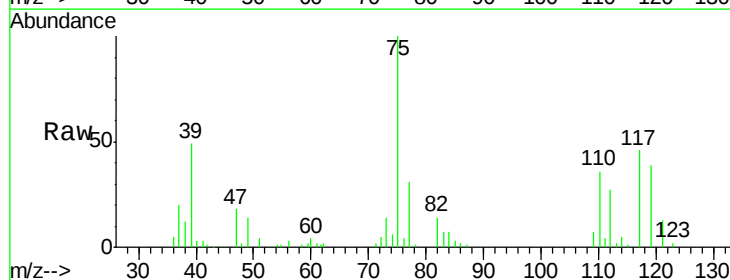
RT: 7.92 min Scan# 1039

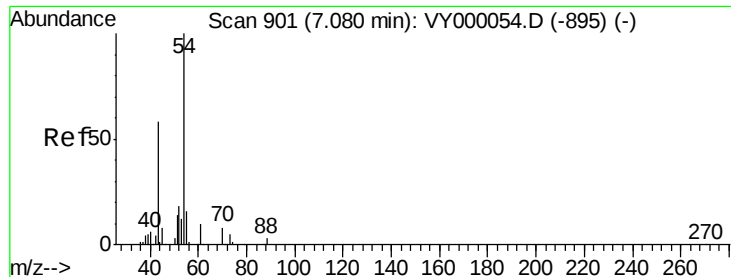
Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	75	Resp:	28561
Ion Ratio	Lower	Upper	
75	100		
110	36.2	19.6	58.7
77	32.4	24.3	36.5





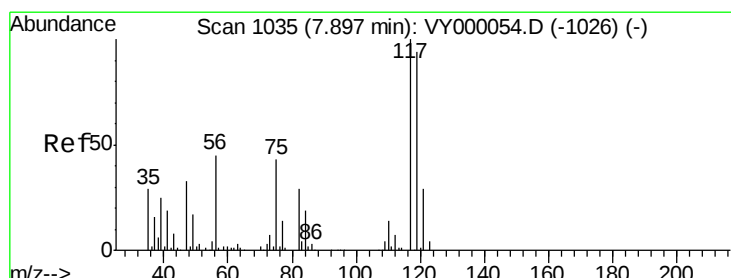
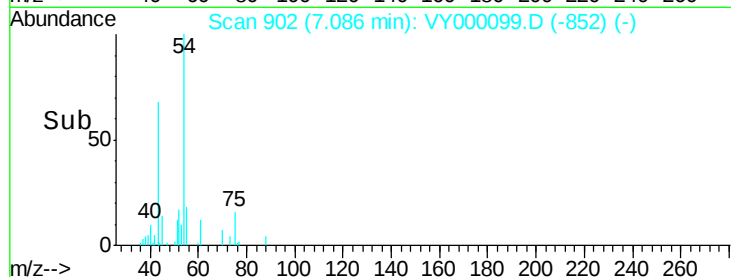
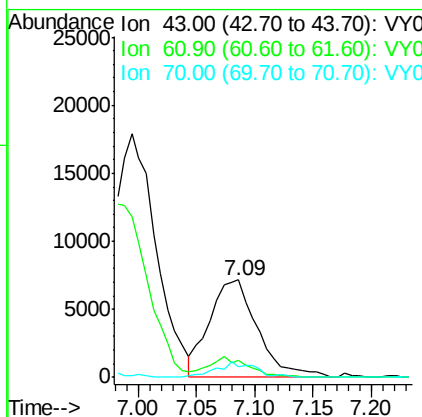
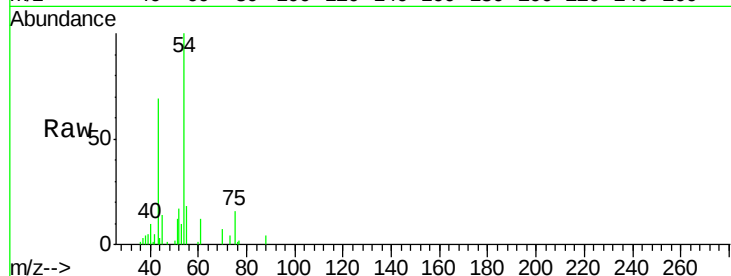
#37
Ethyl Acetate
Concen: 20.674 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.1	21.1
70	12.8	10.6	15.8

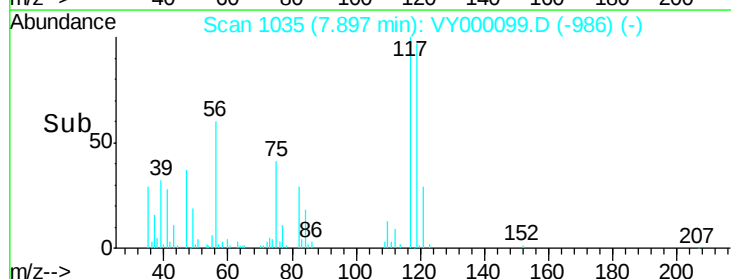
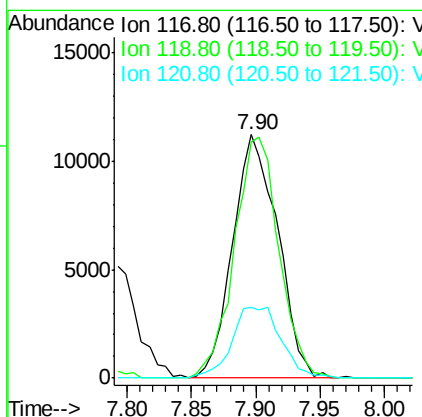
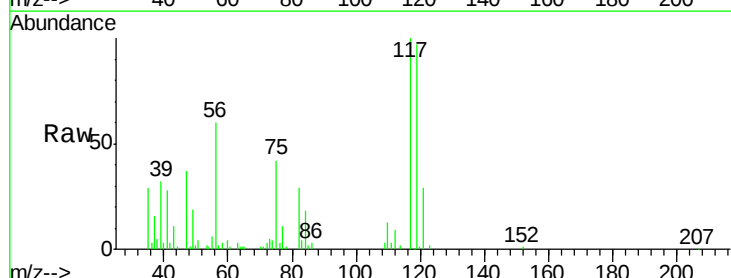
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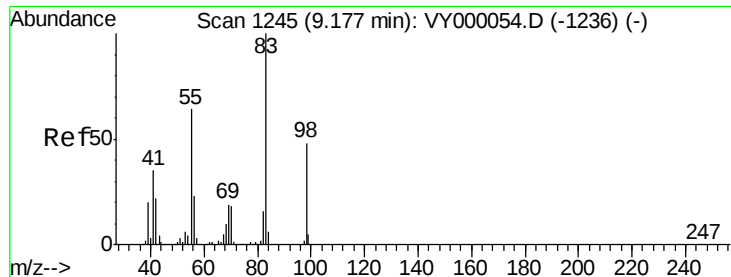
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#38
Carbon Tetrachloride
Concen: 19.288 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.0	112.6
121	29.1	22.8	34.2





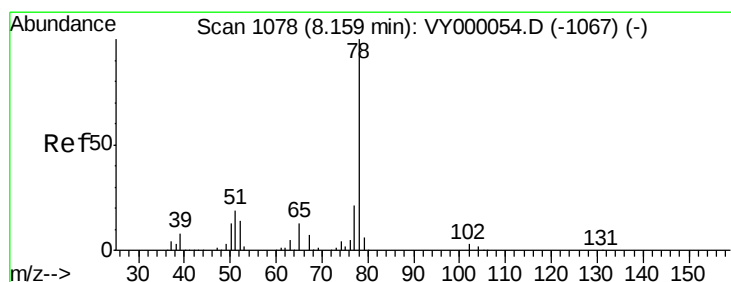
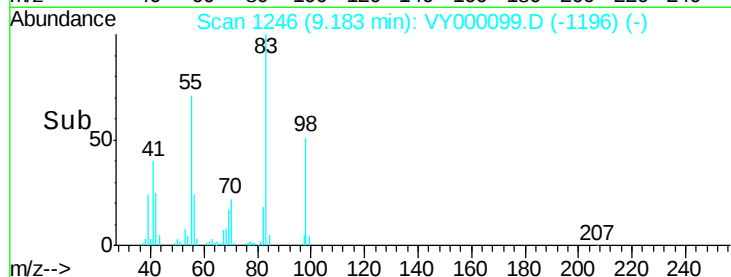
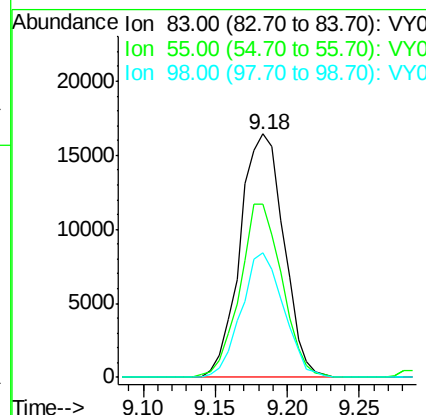
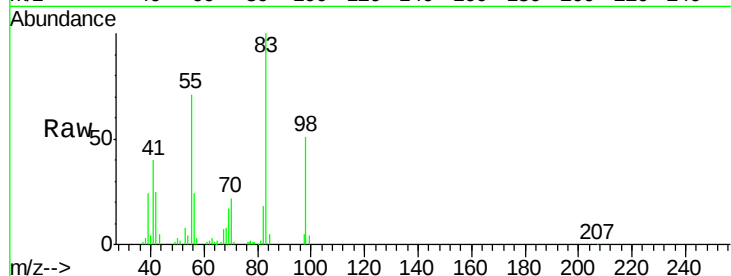
#39
Methvlcvclohexane
Concen: 18.822 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	51.0	76.6
98	51.2	38.5	57.7

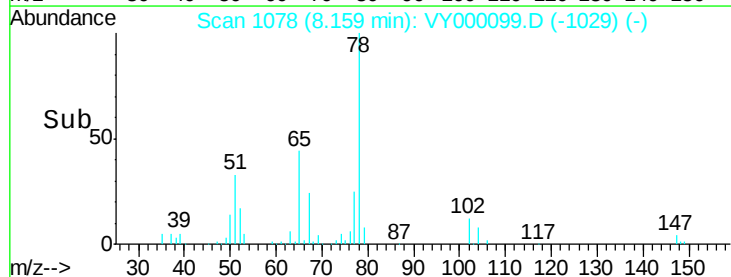
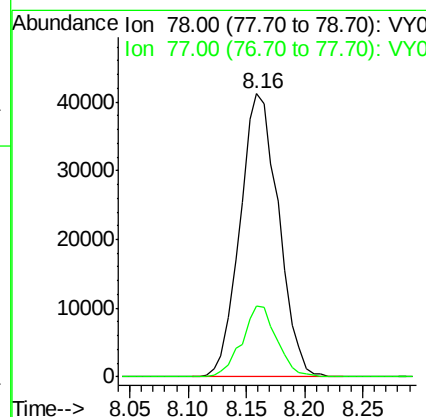
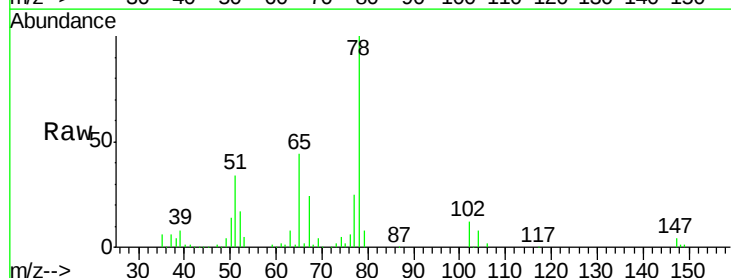
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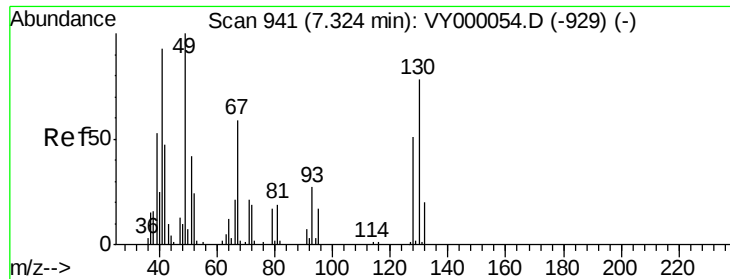
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#40
Benzene
Concen: 19.292 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	16.8	25.2





#41

Methacrylonitrile

Concen: 17.371 ug/l m

RT: 7.32 min Scan# 941

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 41 Resp: 10817

Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

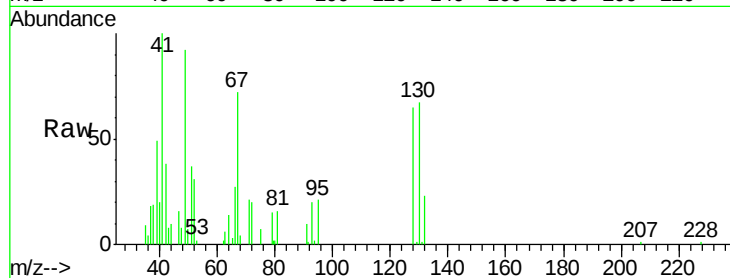
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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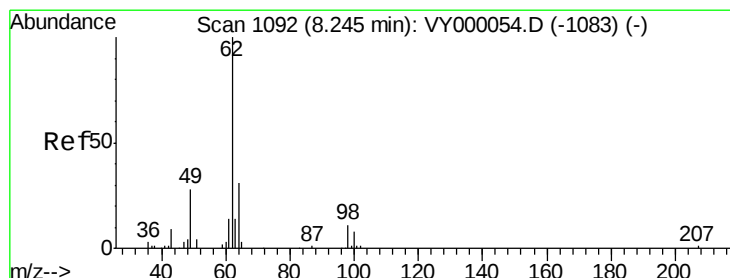
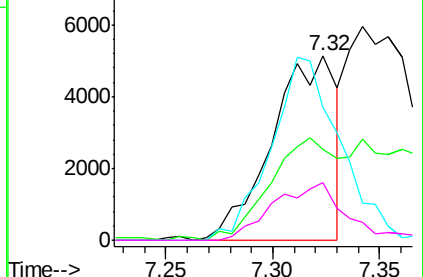
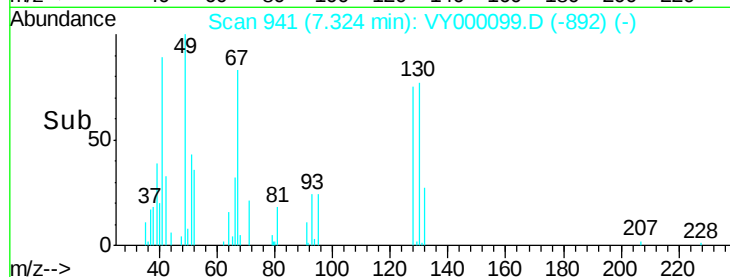


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.041 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VY000099.D

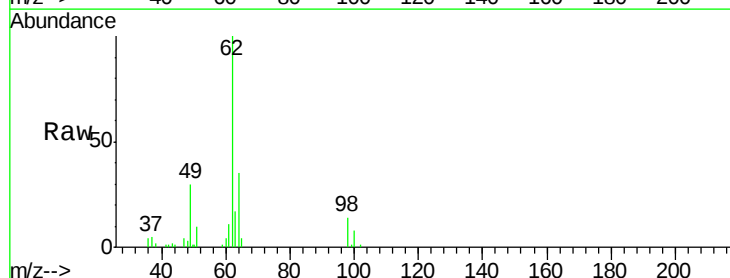
Acq: 20 Sep 2019 11:43

Tgt Ion: 62 Resp: 27509

Ion Ratio Lower Upper

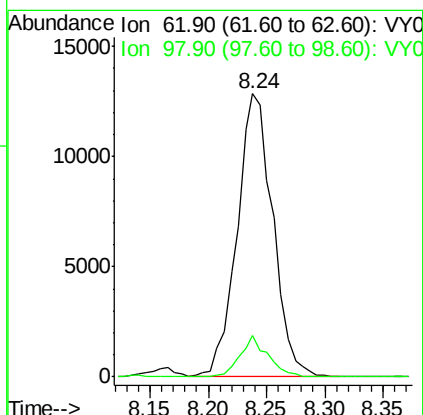
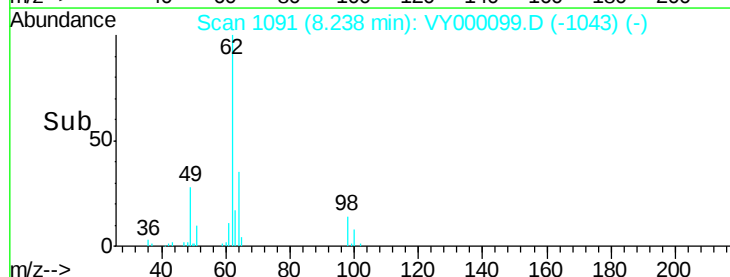
62 100

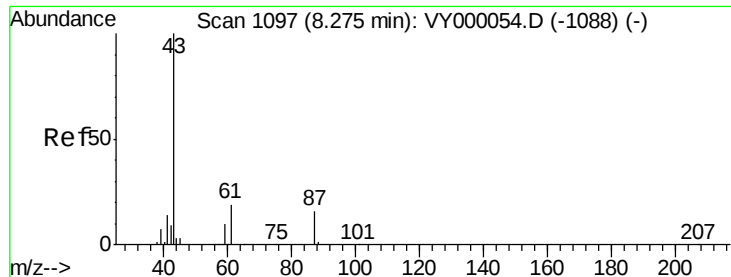
98 11.1 0.0 23.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





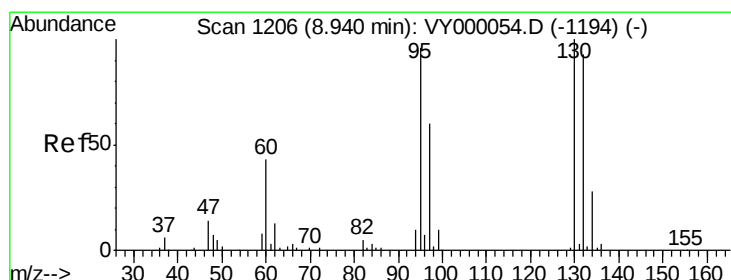
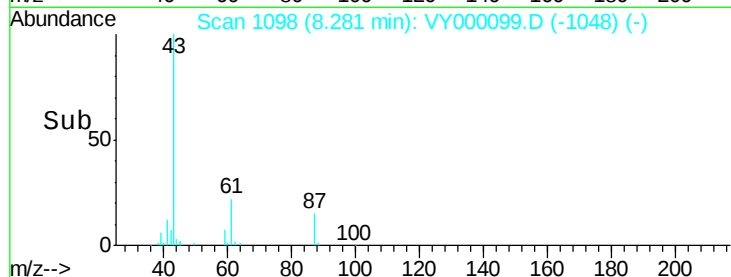
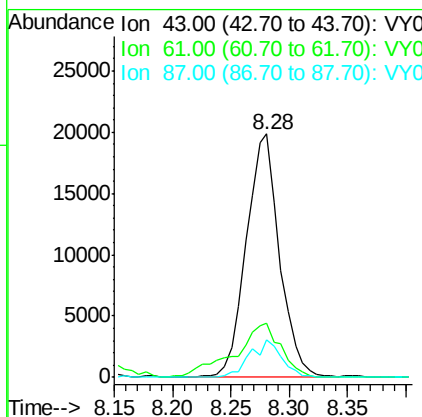
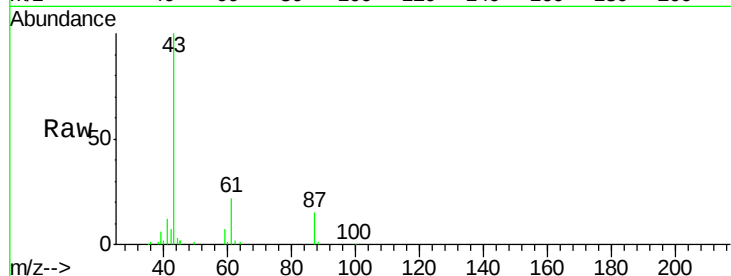
#43
Isopropyl Acetate
Concen: 20.275 ug/l
RT: 8.28 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.0	37.6
87	14.9	12.4	18.6

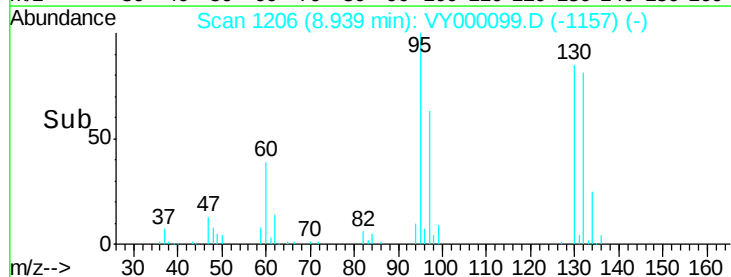
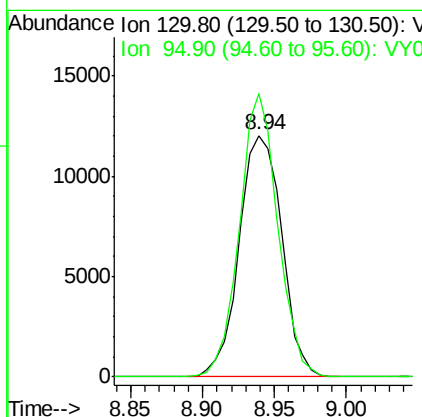
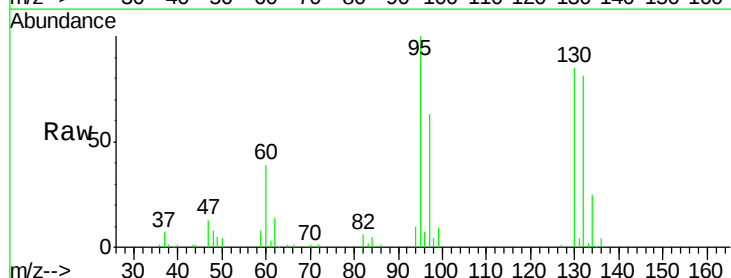
Manual Integrations
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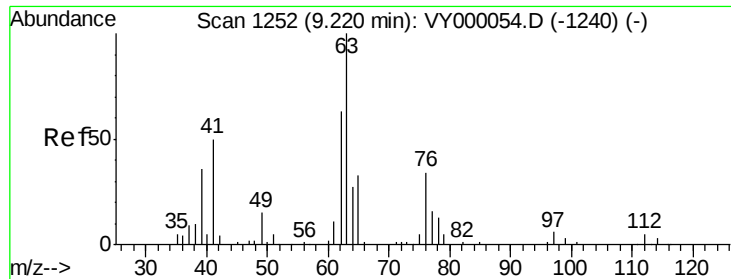
MMDadoda
9/24/2019 5:32:25 AM



#44
Trichloroethene
Concen: 19.571 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.2	0.0	192.0





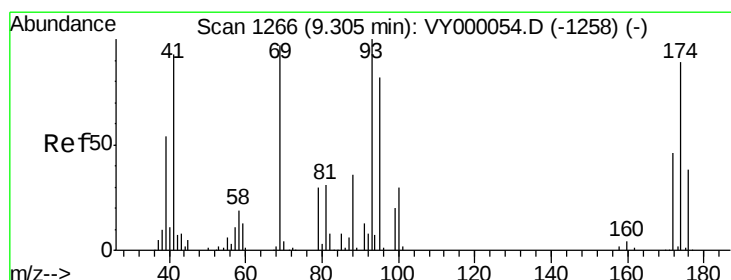
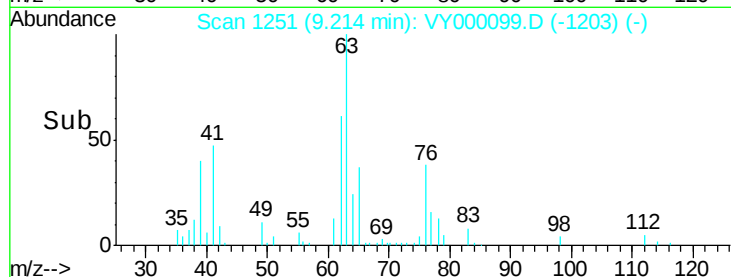
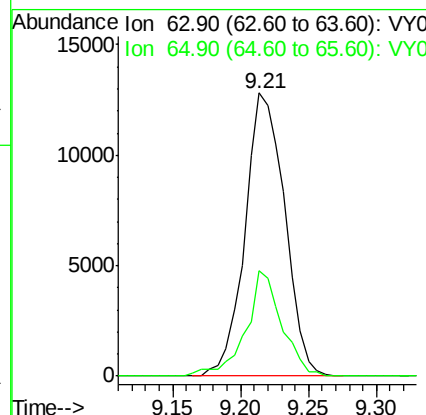
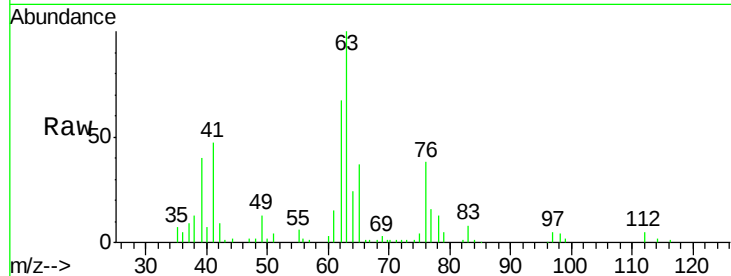
#45
 1,2-Dichloropropane
 Concen: 20.457 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.4	26.2	39.4

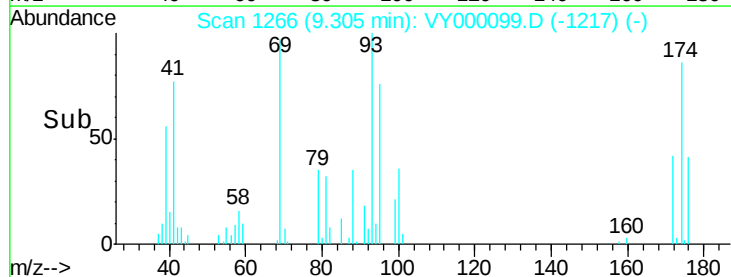
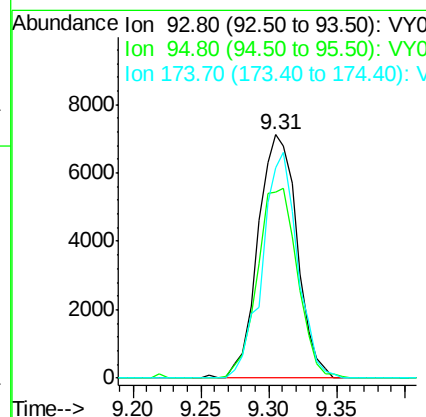
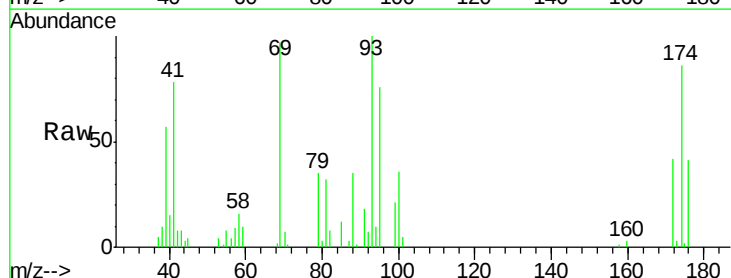
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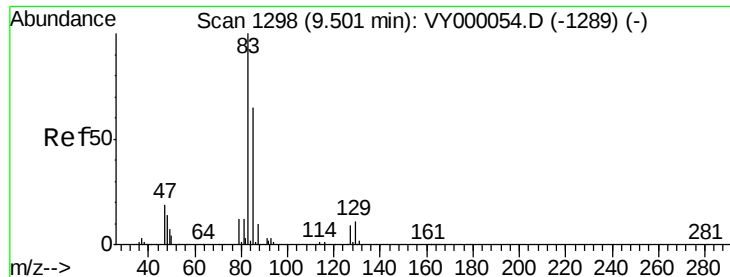
MMDadoda
 9/24/2019 5:32:25 AM



#46
 Dibromomethane
 Concen: 20.513 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	68.1	102.1
174	83.6	67.8	101.6





#47

Bromodichloromethane

Concen: 20.915 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

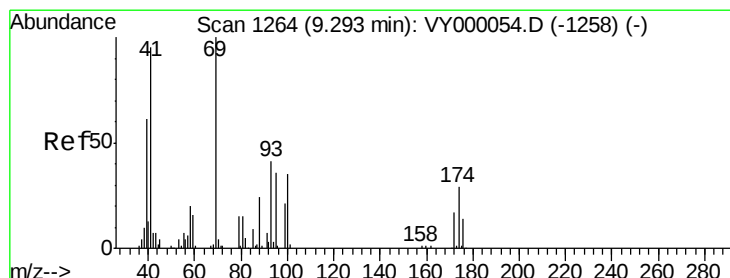
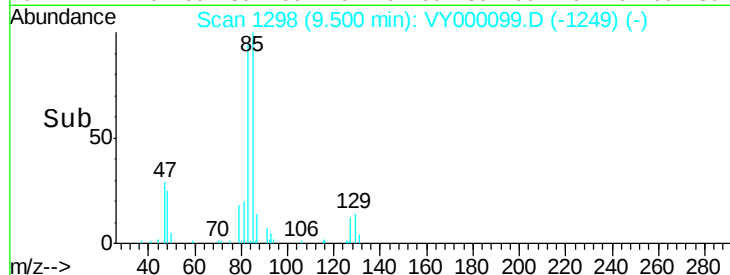
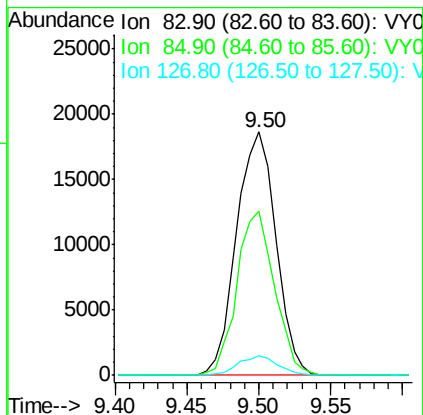
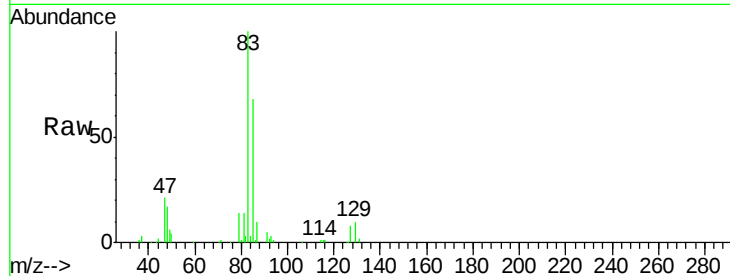
ClientSampleId :

VY0920SBS01

Tot Ion:	83	Resp:	35444
Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.3	78.5
127	8.2	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.261 ug/l

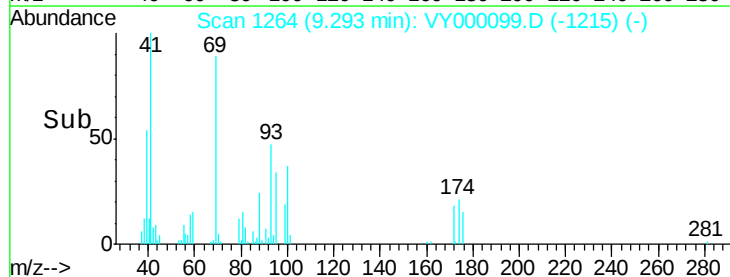
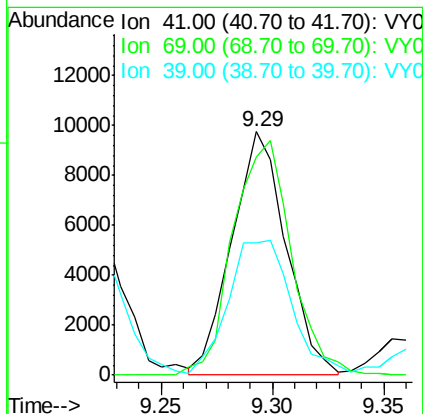
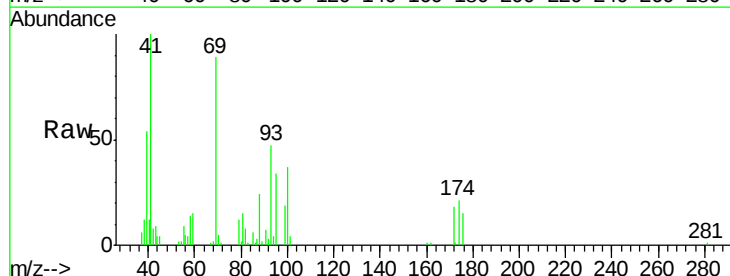
RT: 9.29 min Scan# 1264

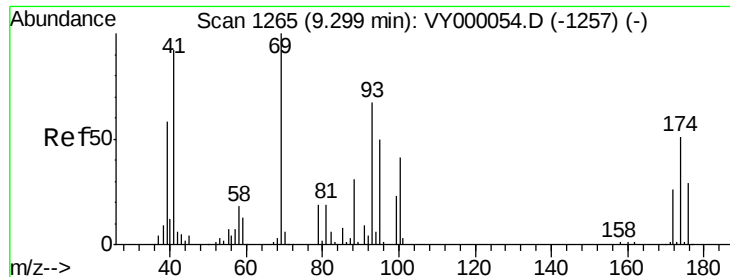
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	41	Resp:	16502
Ion	Ratio	Lower	Upper
41	100		
69	104.0	78.1	117.1
39	65.3	49.4	74.0





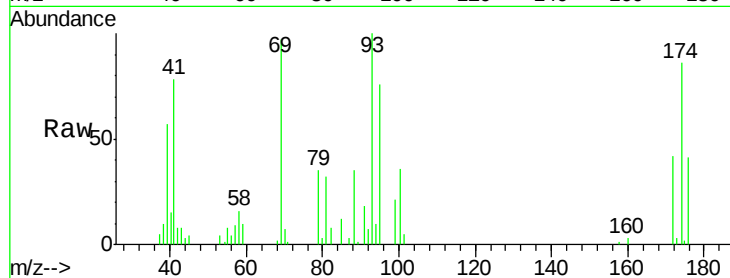
#49
1,4-Dioxane
Concen: 386.443 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

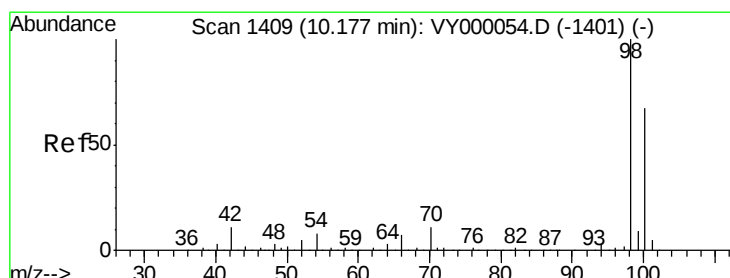
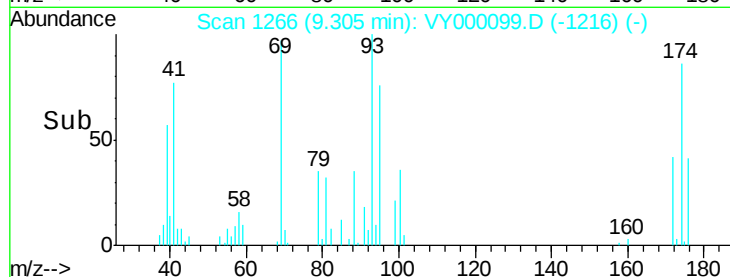
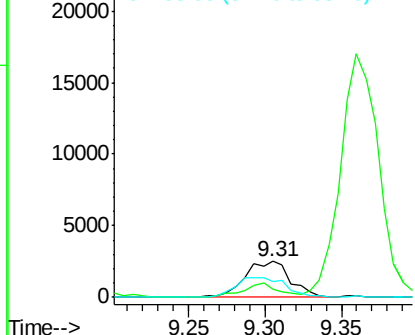
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	18.7	28.1#
58	61.0	53.0	79.6

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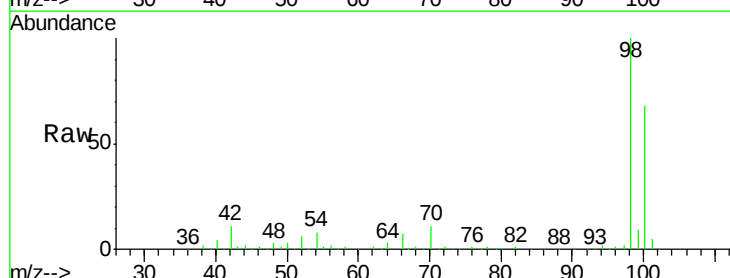


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

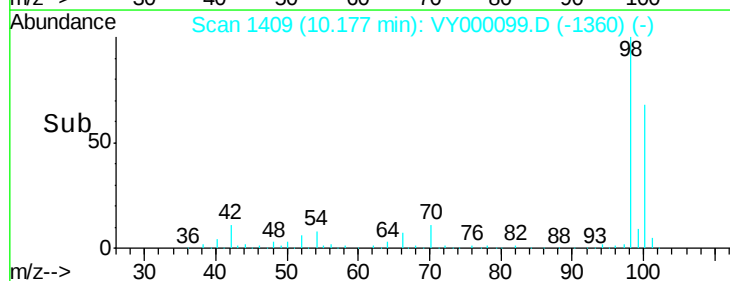
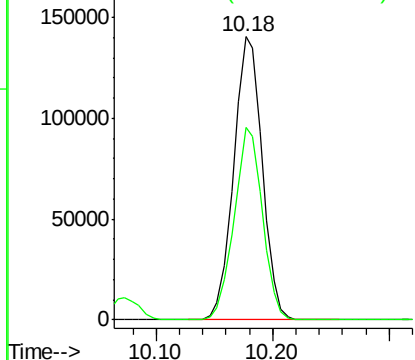


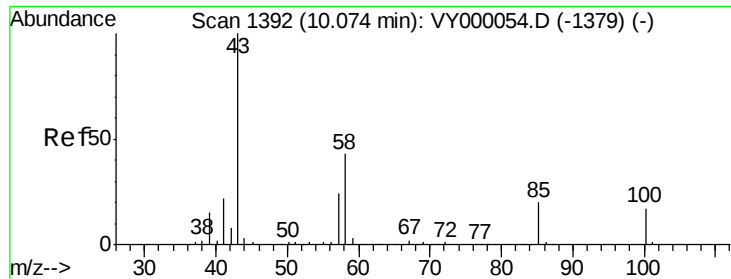
#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	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: 101.558 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 43 Resp: 108023

Ion Ratio Lower Upper

43 100

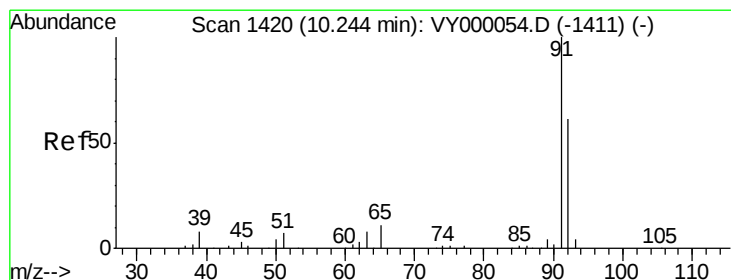
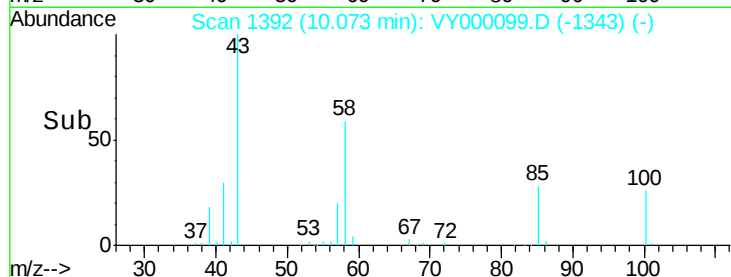
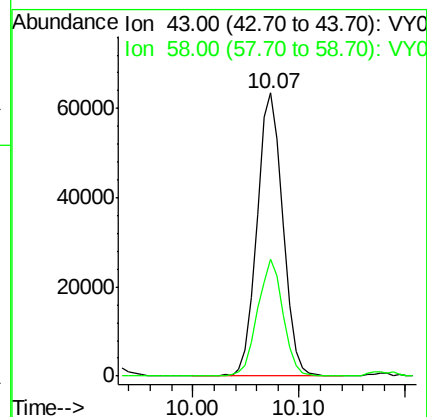
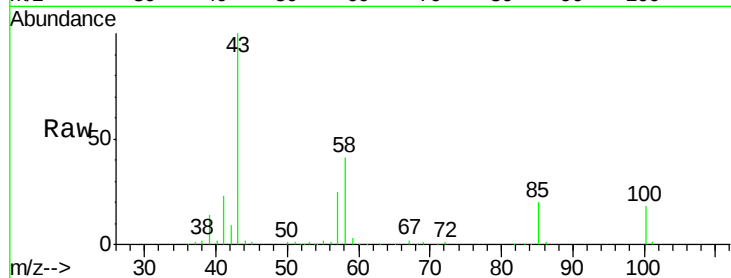
58 40.8 34.2 51.2

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#52

Toluene

Concen: 19.961 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000099.D

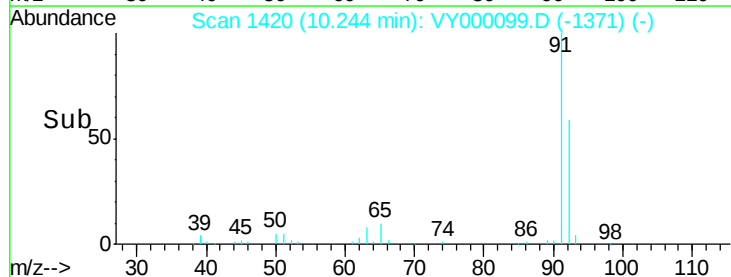
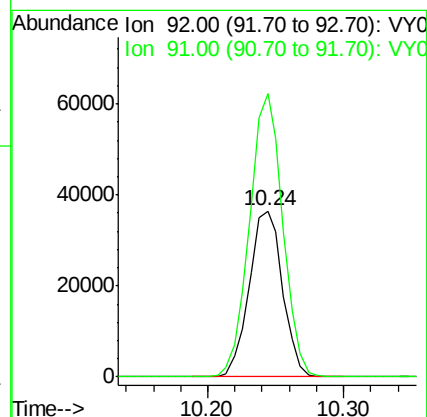
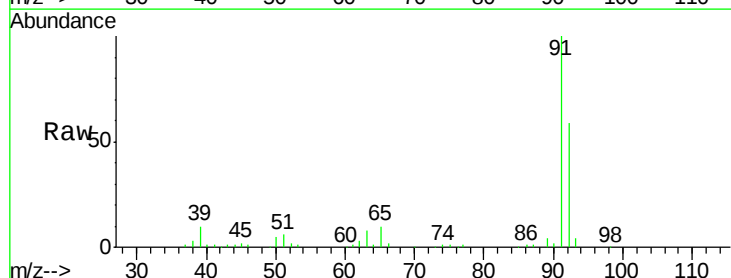
Acq: 20 Sep 2019 11:43

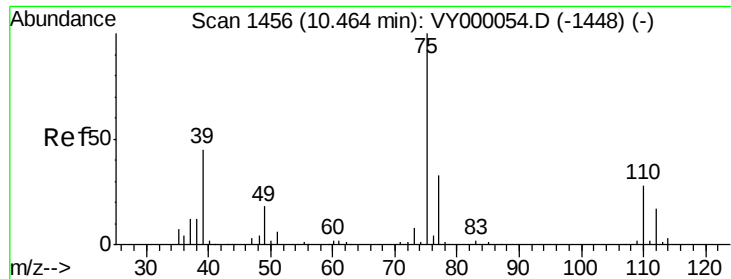
Tgt Ion: 92 Resp: 62595

Ion Ratio Lower Upper

92 100

91 170.3 135.8 203.6





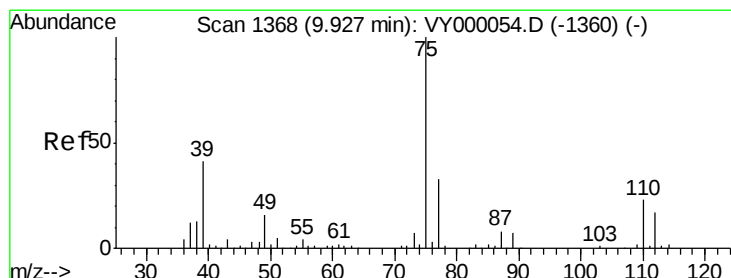
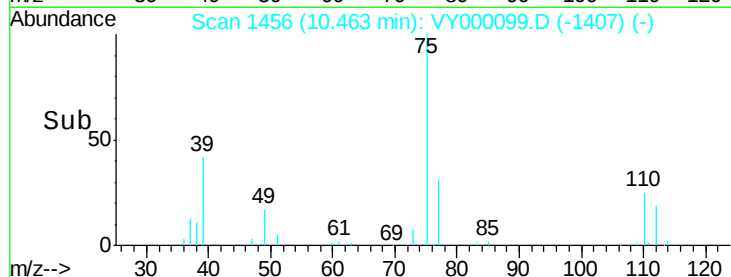
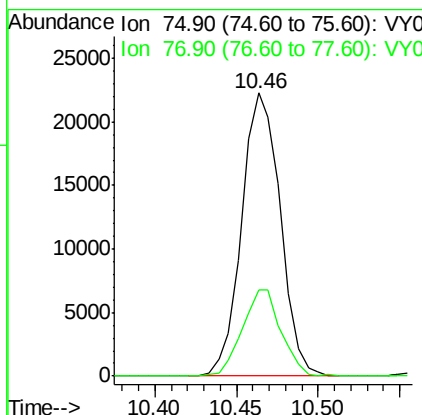
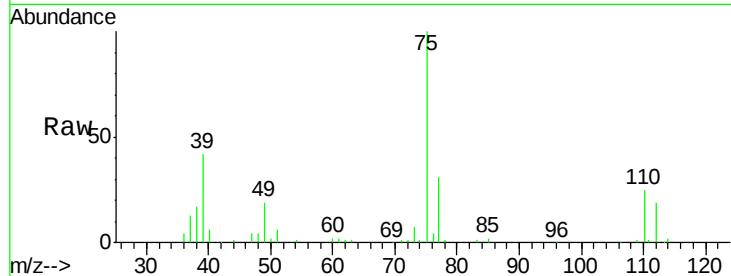
#53
 t-1,3-Dichloropropene
 Concen: 20.388 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion: 75 Resp: 36635
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2

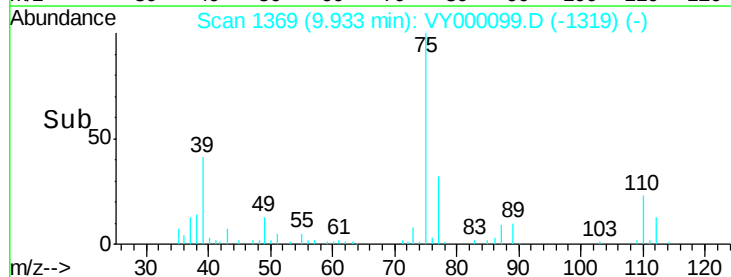
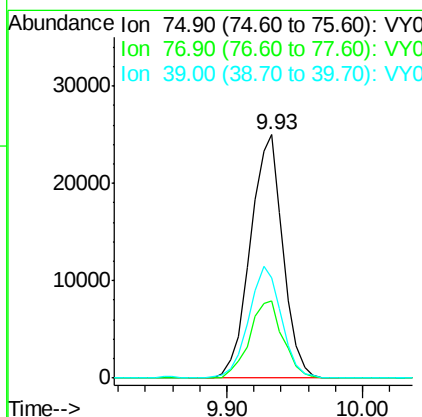
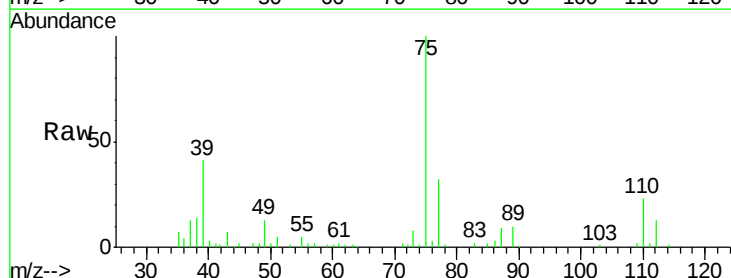
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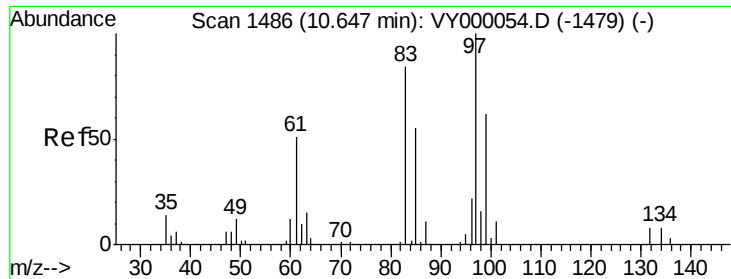
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#54
 cis-1,3-Dichloropropene
 Concen: 20.197 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion: 75 Resp: 41910
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.1 39.1
 39 41.2 33.1 49.7





#55

1,1,2-Trichloroethane

Concen: 20.770 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

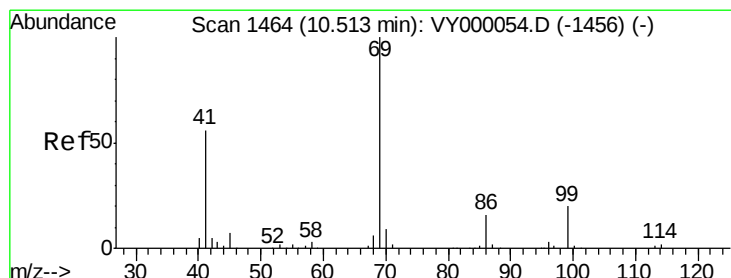
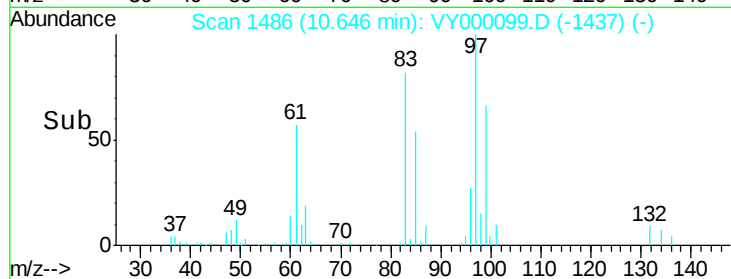
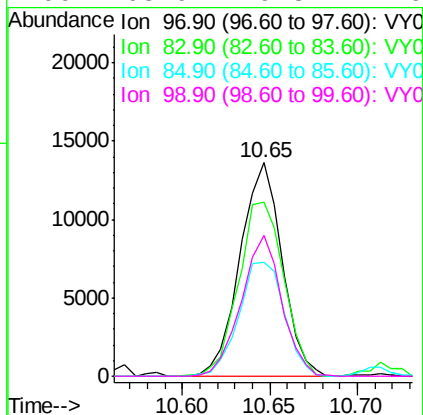
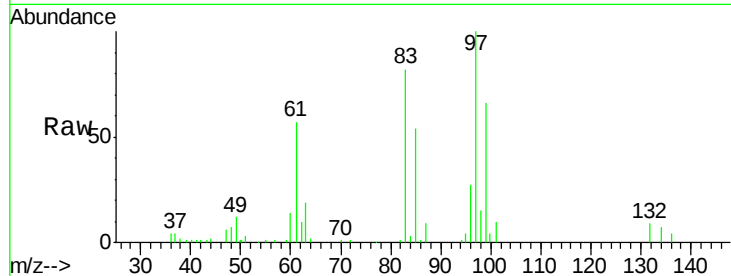
ClientSampleId :

VY0920SBS01

Tot Ion:	97	Resp:	22741
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.3	100.9
85	53.6	43.6	65.4
99	65.9	49.8	74.6

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#56

Ethyl methacrylate

Concen: 20.573 ug/l

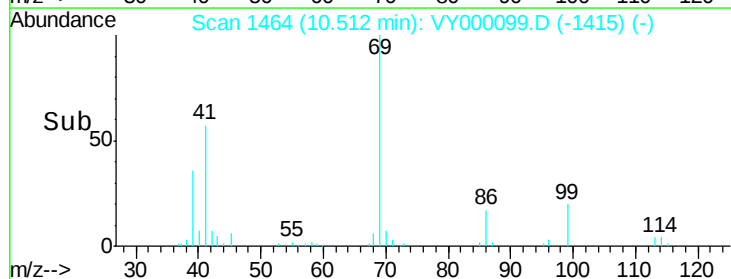
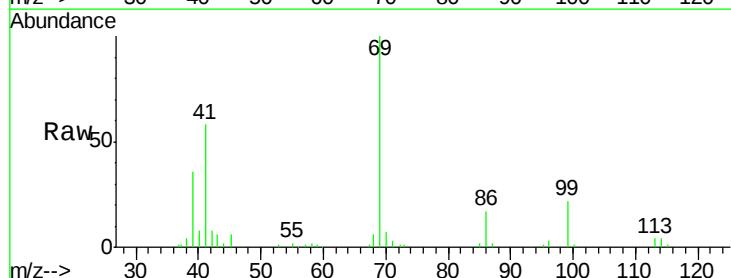
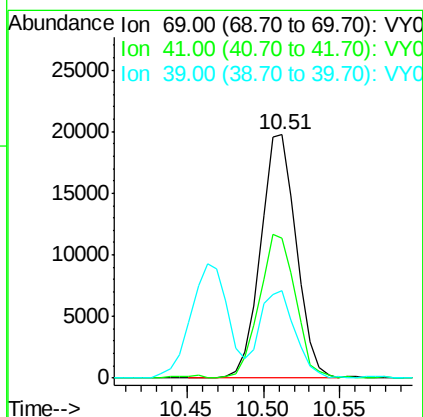
RT: 10.51 min Scan# 1464

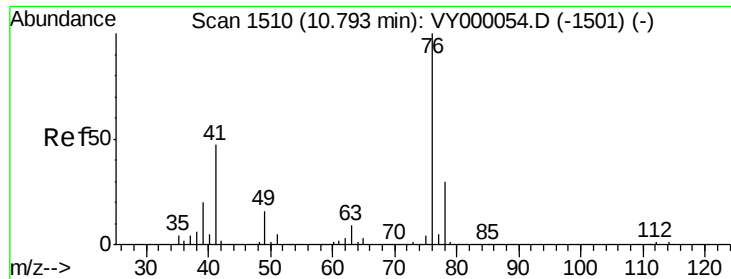
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	69	Resp:	32054
Ion	Ratio	Lower	Upper
69	100		
41	60.1	45.6	68.4
39	35.5	27.3	40.9





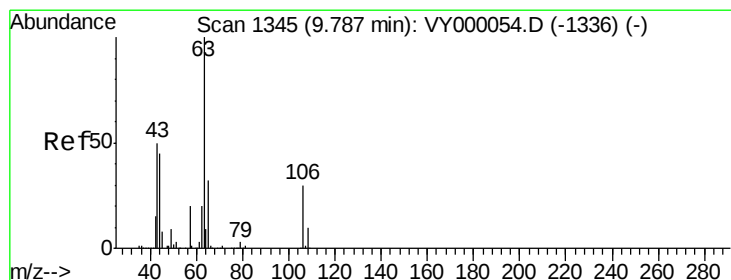
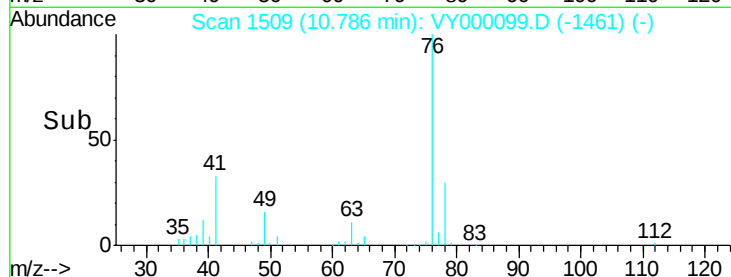
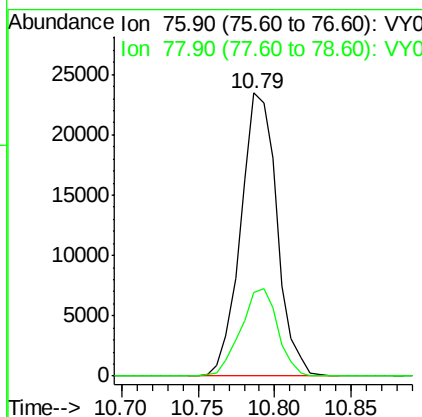
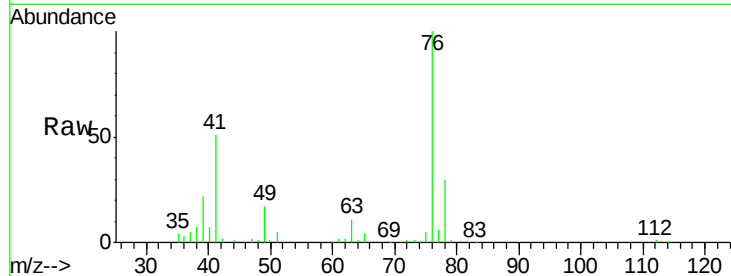
#57
 1,3-Dichloropropane
 Concen: 20.968 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion: 76 Resp: 38565
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.6 40.0

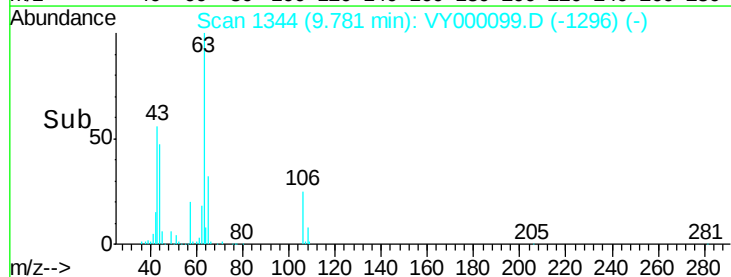
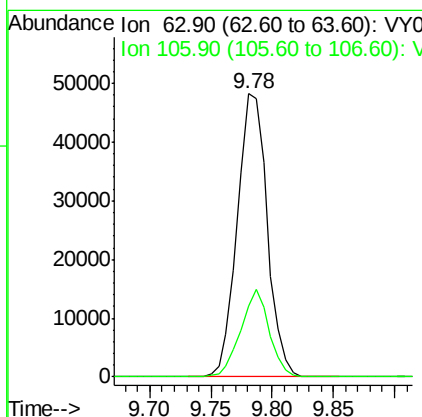
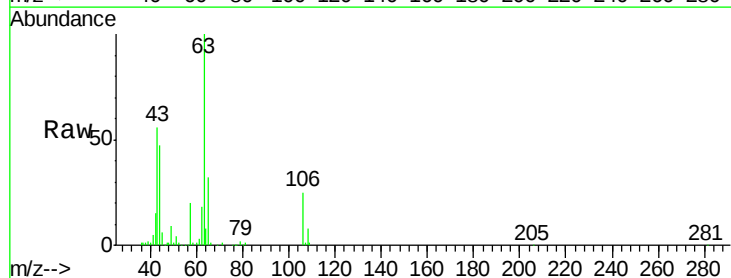
Manual Integrations
 APPROVED

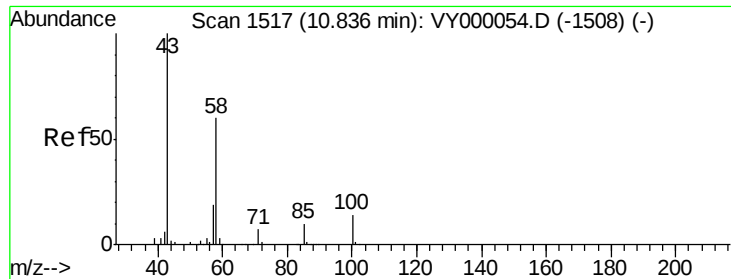
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.409 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion: 63 Resp: 82041
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.3 34.9





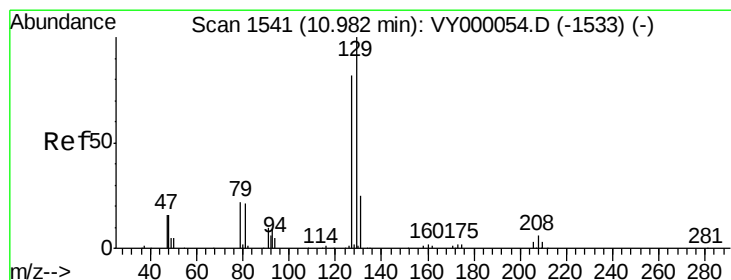
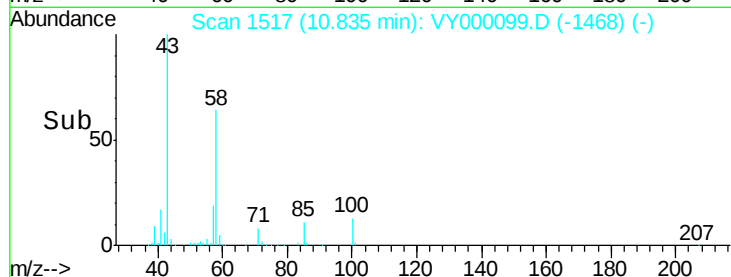
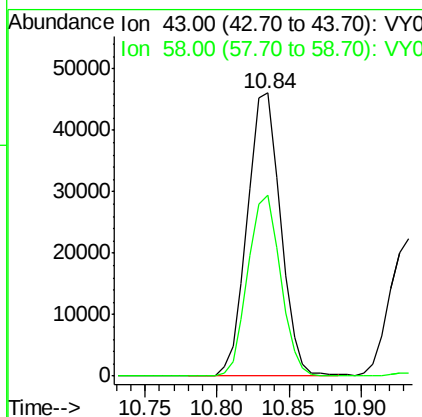
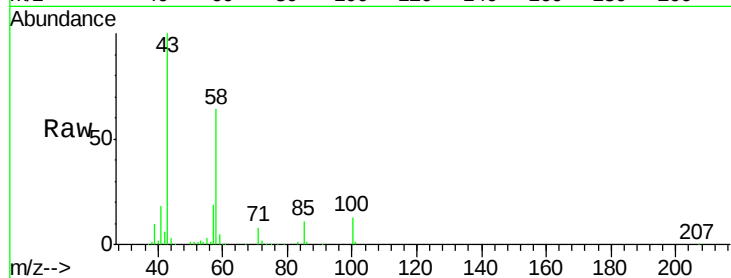
#59
2-Hexanone
Concen: 97.448 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion: 43 Resp: 73946
Ion Ratio Lower Upper
43 100
58 62.7 29.9 89.7

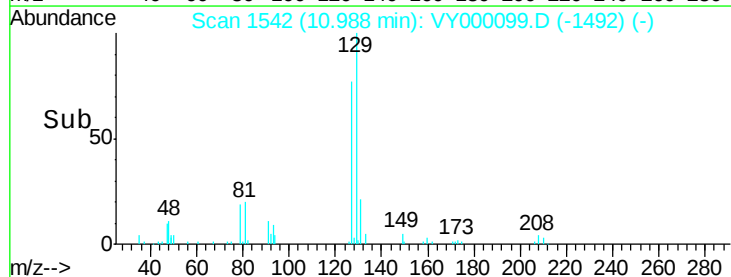
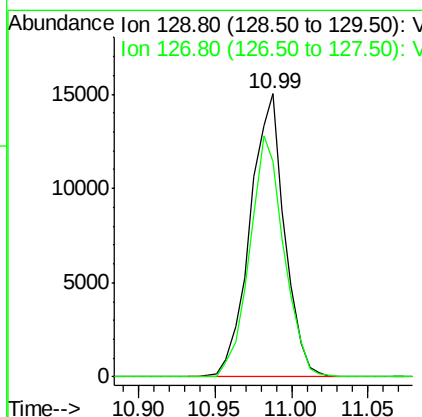
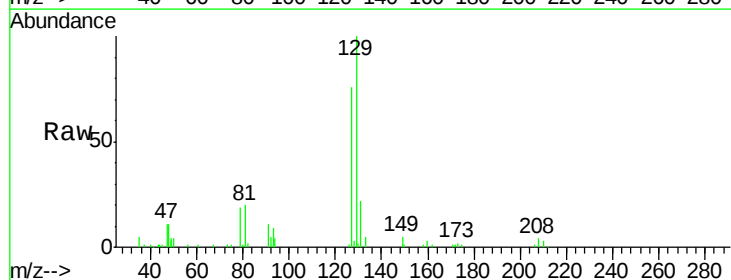
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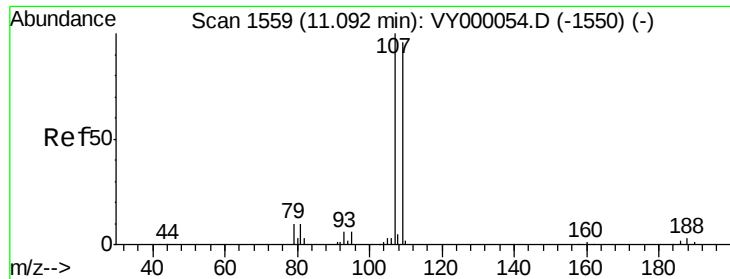
MMDadoda
9/24/2019 5:32:25 AM



#60
Dibromochloromethane
Concen: 20.517 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 129 Resp: 23534
Ion Ratio Lower Upper
129 100
127 84.6 40.2 120.6





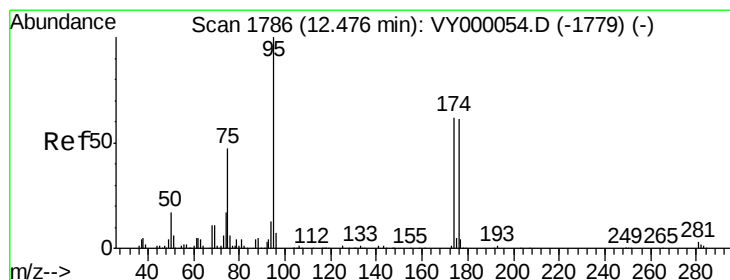
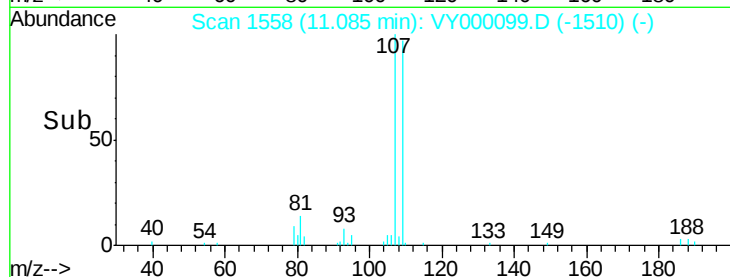
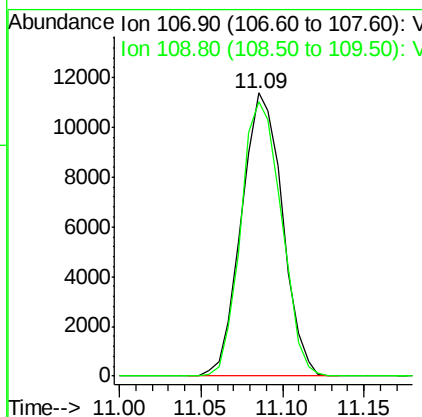
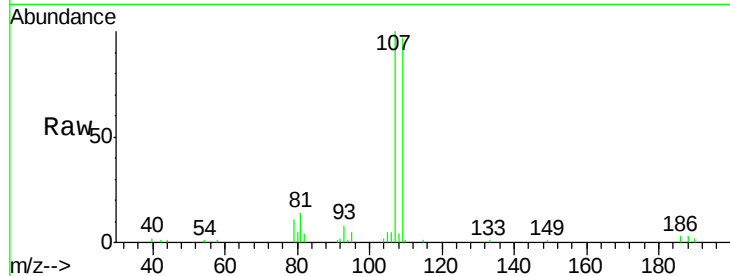
#61
 1,2-Dibromoethane
 Concen: 19.881 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

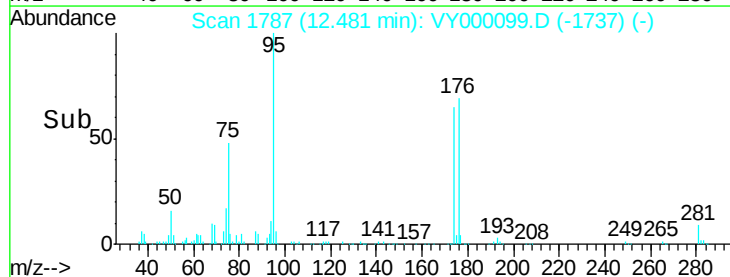
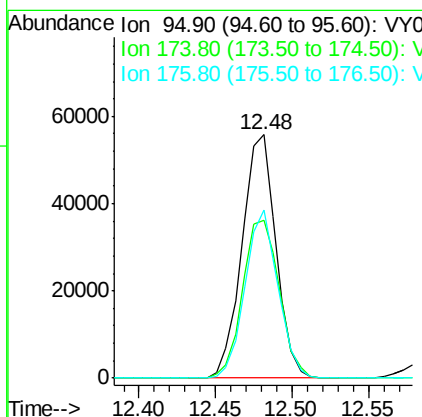
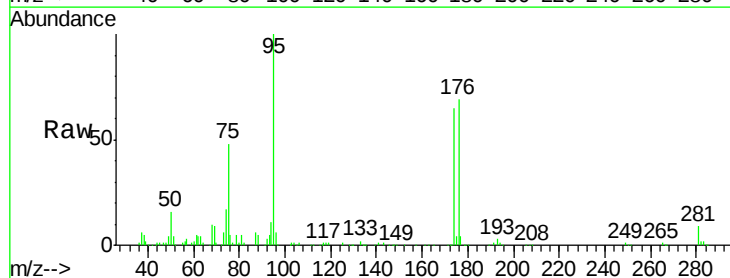
Manual Integrations
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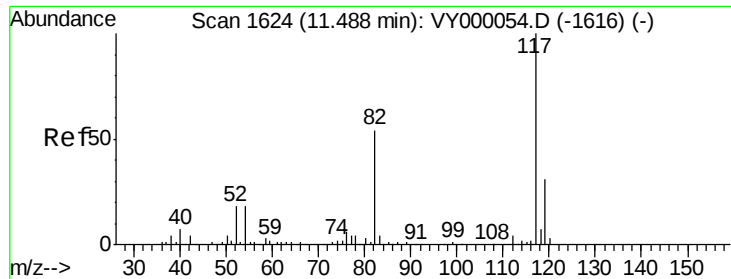
MMDadoda
 9/24/2019 5:32:25 AM



#62
 4-Bromofluorobenzene
 Concen: 48.673 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	137.2
176	67.0	0.0	135.0





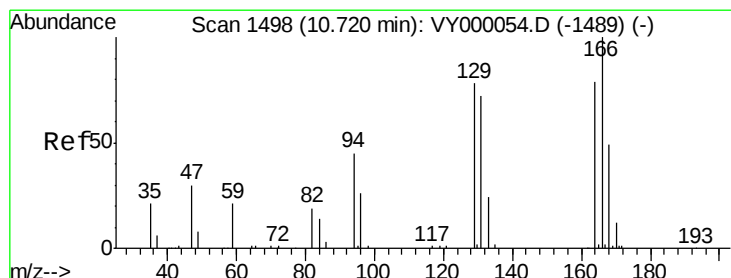
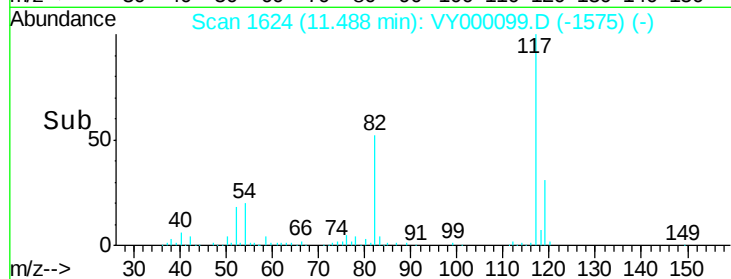
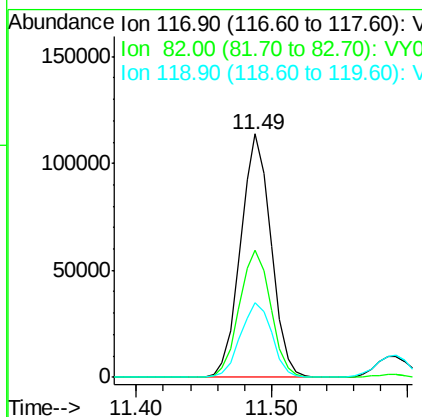
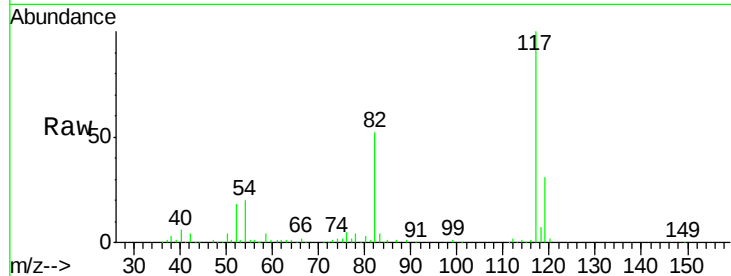
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	177815		
82	52.0		43.5	65.3
119	30.8		24.6	36.8

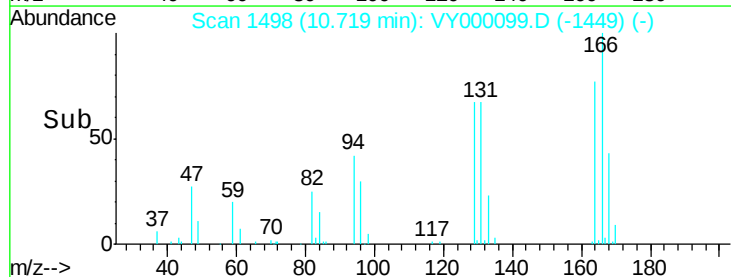
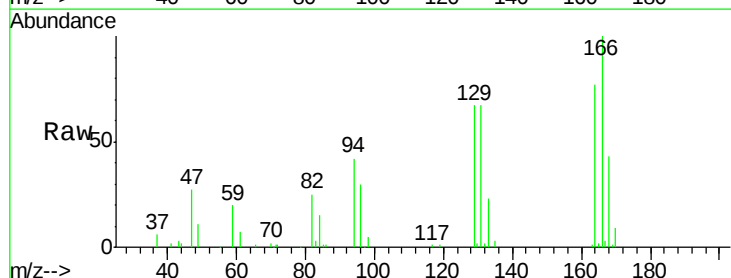
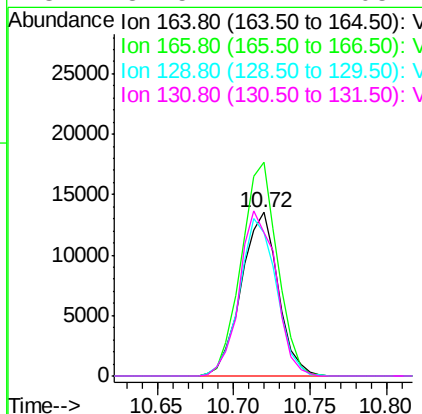
Manual Integrations
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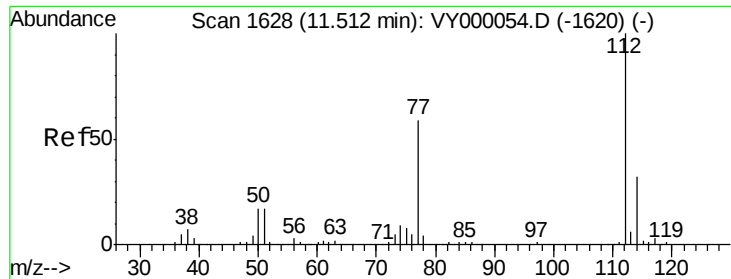
MMDadoda
9/24/2019 5:32:25 AM



#64
Tetrachloroethene
Concen: 20.290 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22644		
166	130.6		100.9	151.3
129	88.0		78.4	117.6
131	87.5		72.2	108.2





#65

Chlorobenzene

Concen: 20.446 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion:112 Resp: 71914

Ion Ratio Lower Upper

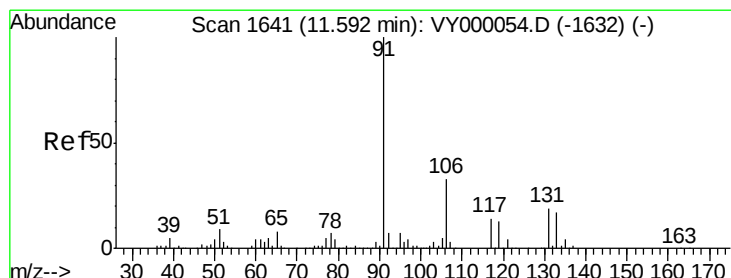
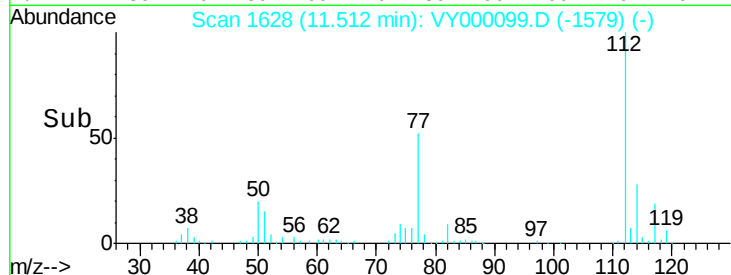
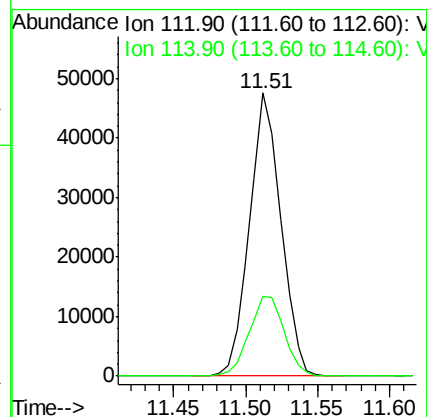
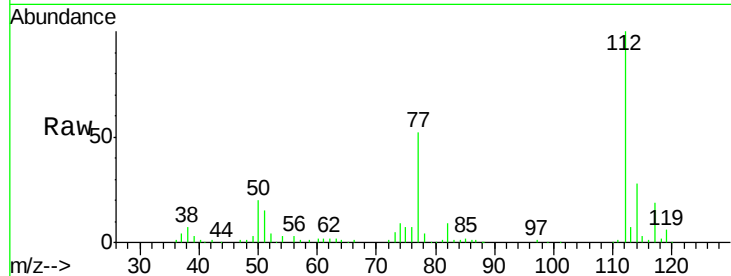
112 100

114 28.1 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.051 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

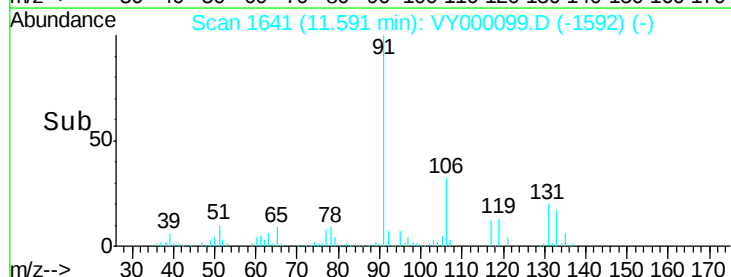
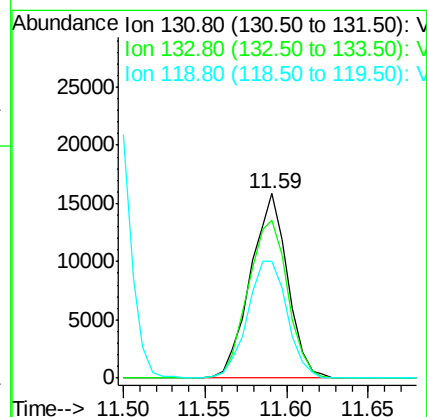
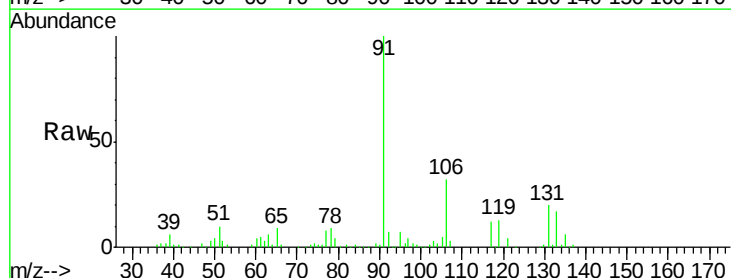
Tgt Ion:131 Resp: 25034

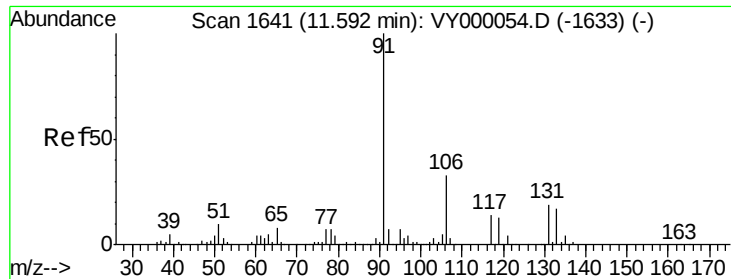
Ion Ratio Lower Upper

131 100

133 91.6 46.6 139.8

119 67.9 36.2 108.6





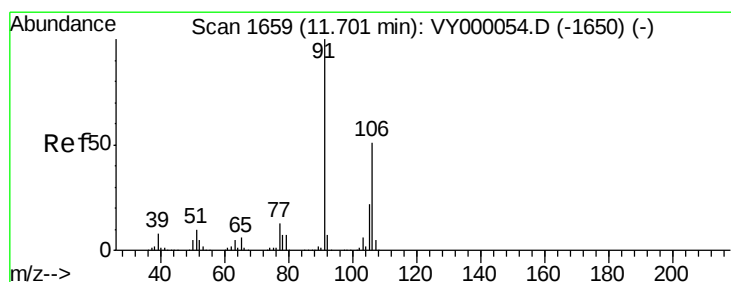
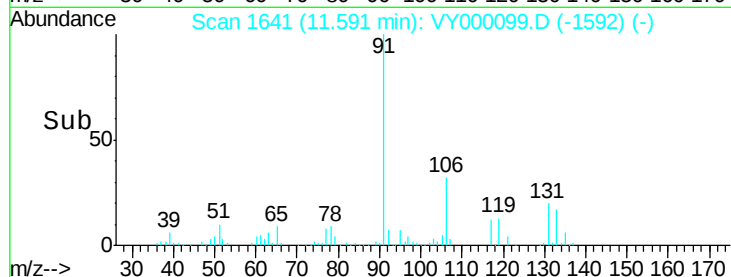
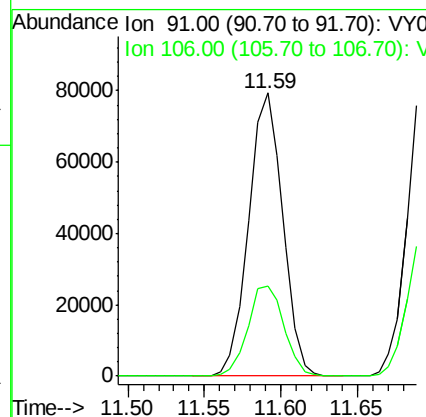
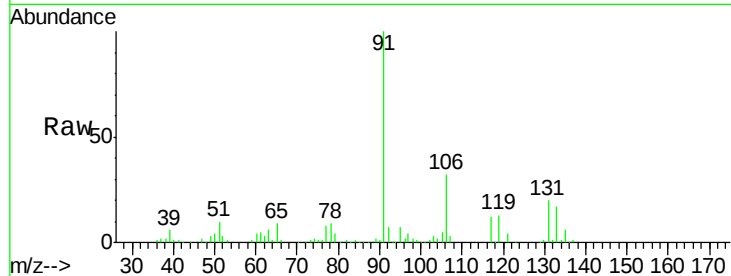
#67
Ethyl Benzene
Concen: 19.616 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion: 91 Resp: 123128
Ion Ratio Lower Upper
91 100
106 31.7 26.6 40.0

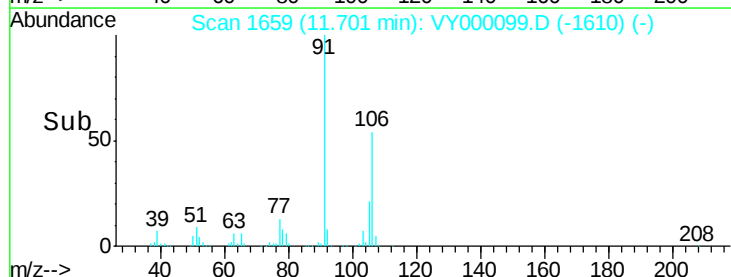
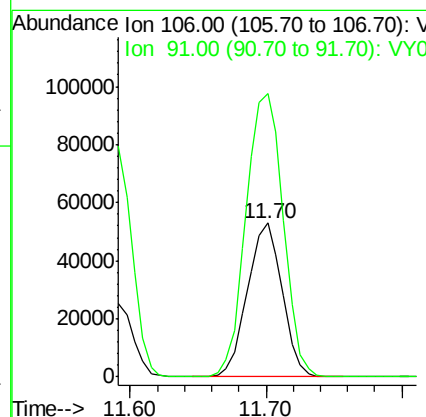
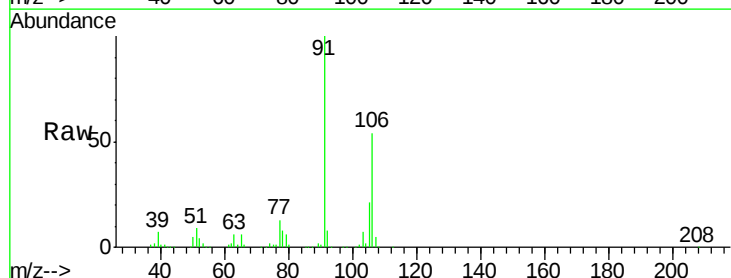
Manual Integrations
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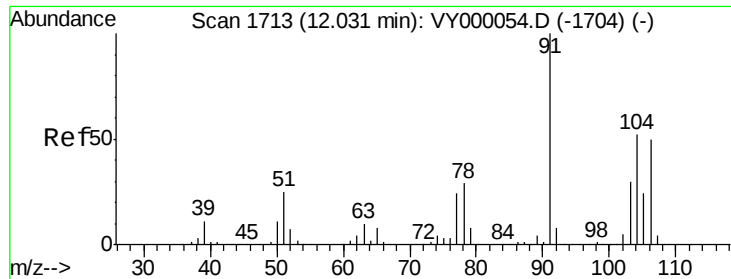
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#68
m/p-Xylenes
Concen: 39.615 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion: 106 Resp: 94618
Ion Ratio Lower Upper
106 100
91 197.4 154.5 231.7





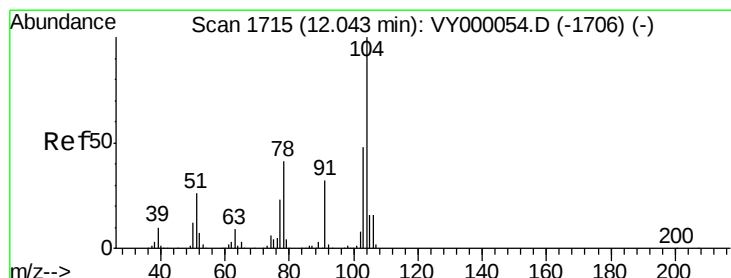
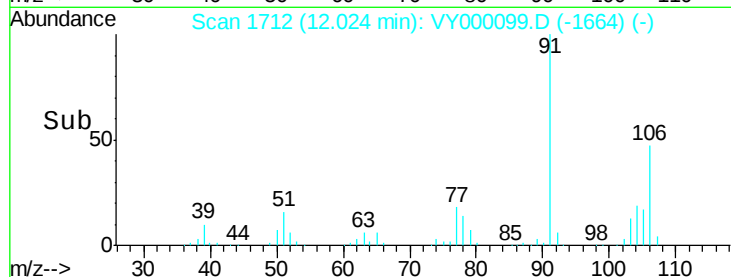
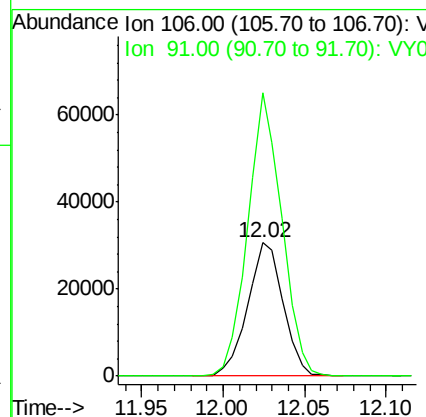
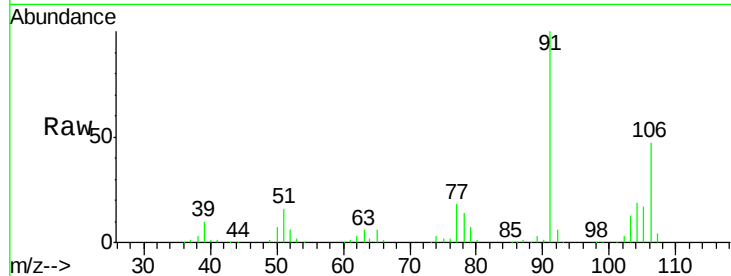
#69
o-Xylene
Concen: 20.219 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.2	103.5	310.3

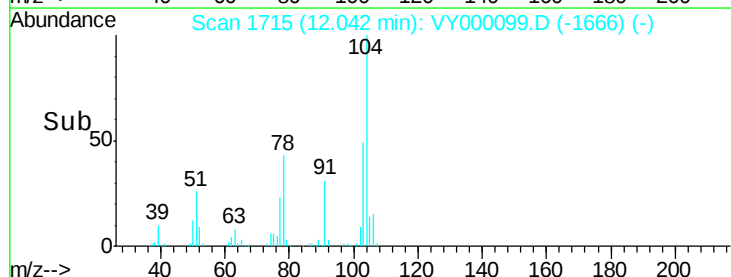
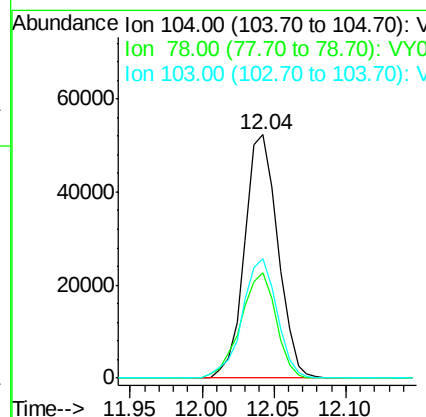
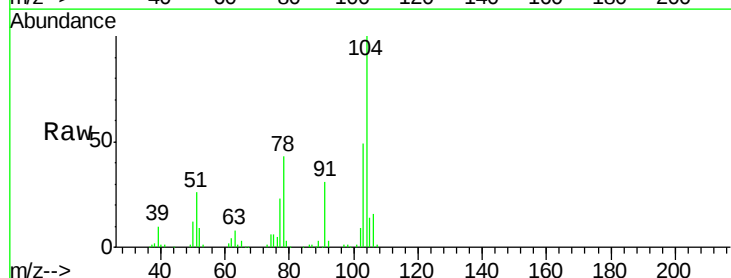
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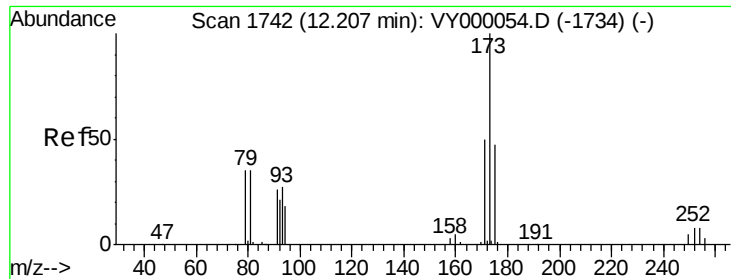
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#70
Styrene
Concen: 20.618 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.7	56.5
103	51.3	42.2	63.4





#71

Bromoform

Concen: 20.315 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

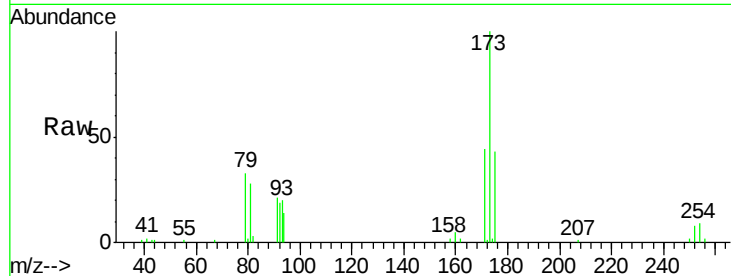
ClientSampleId :

VY0920SBS01

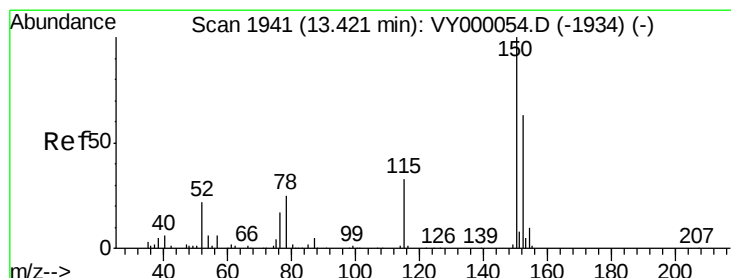
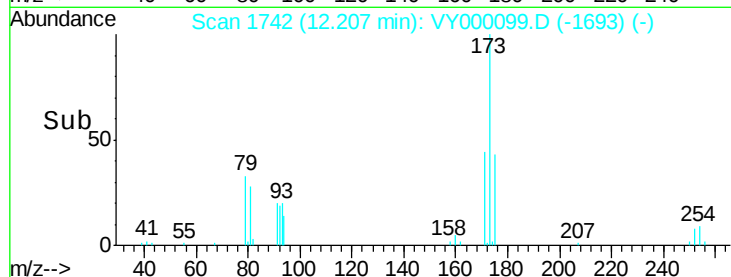
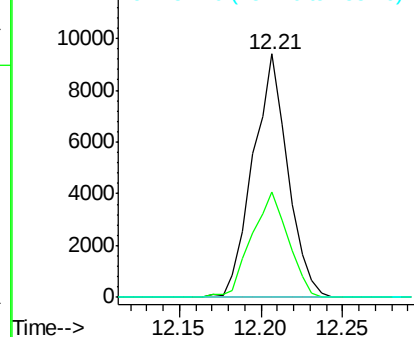
Tot Ion:	173	Resp:	13986
Ion Ratio	Lower	Upper	
173	100		
175	45.9	23.6	71.0
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

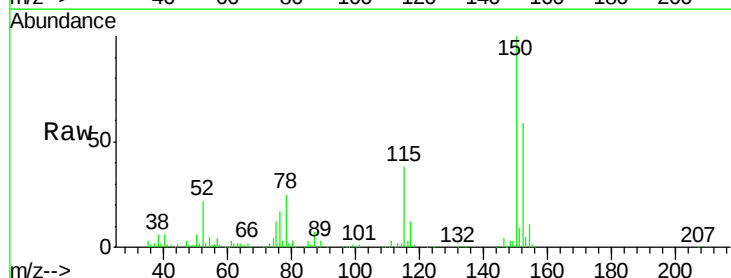
RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

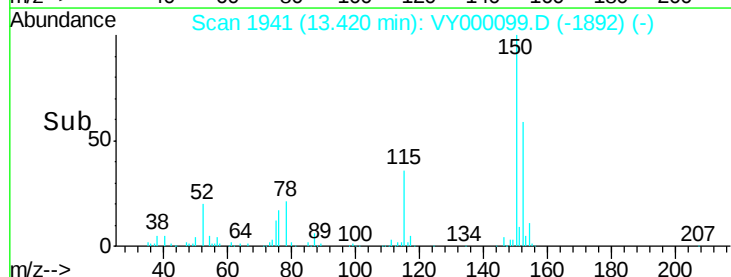
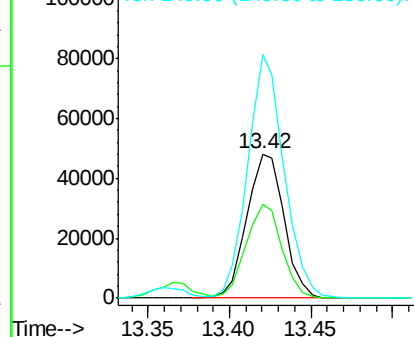
Lab File: VY000099.D

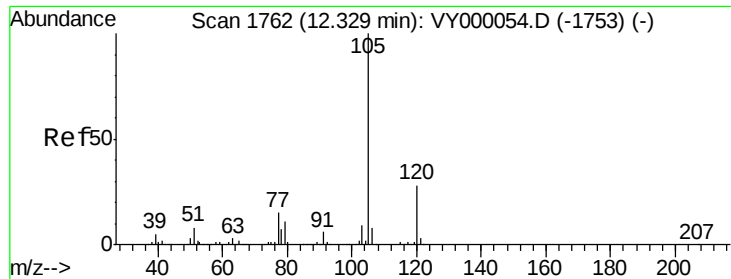
Acq: 20 Sep 2019 11:43

Tgt Ion:	152	Resp:	76256
Ion Ratio	Lower	Upper	
152	100		
115	62.7	30.7	92.1
150	165.4	0.0	351.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.019 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion:105 Resp: 123028

Ion Ratio Lower Upper

105 100

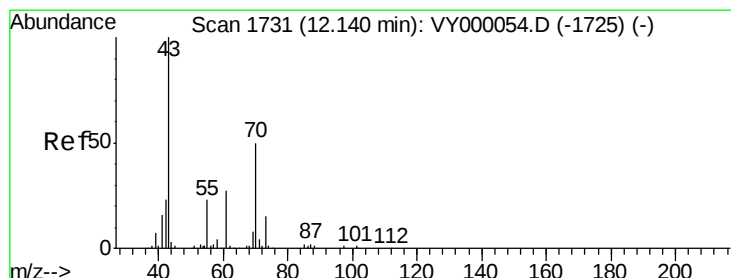
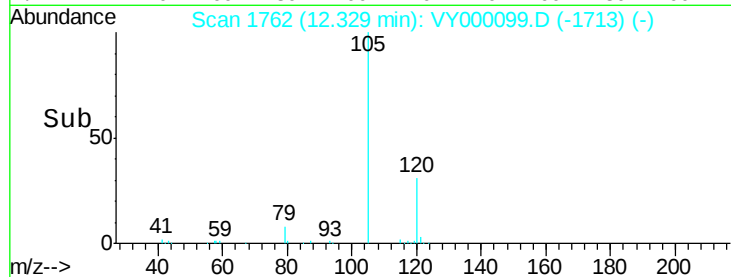
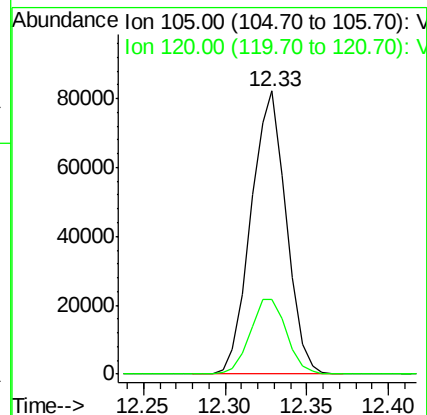
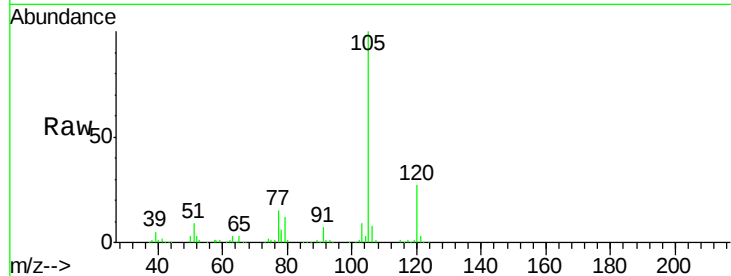
120 27.4 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.104 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion: 43 Resp: 35198

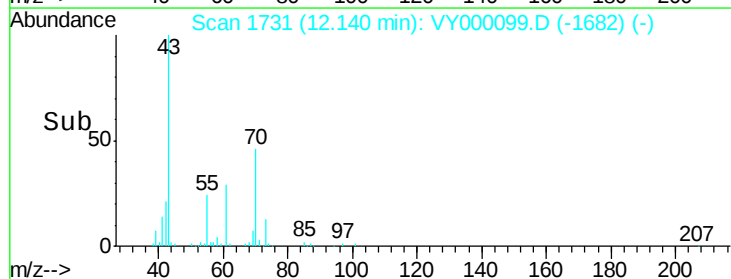
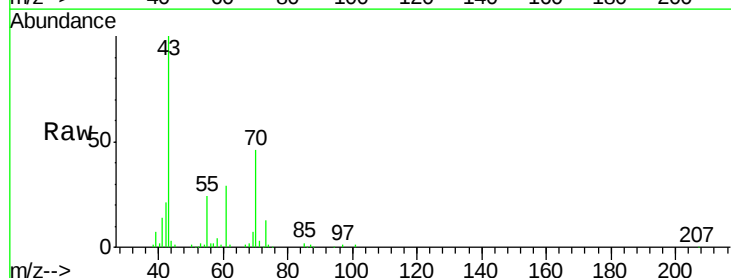
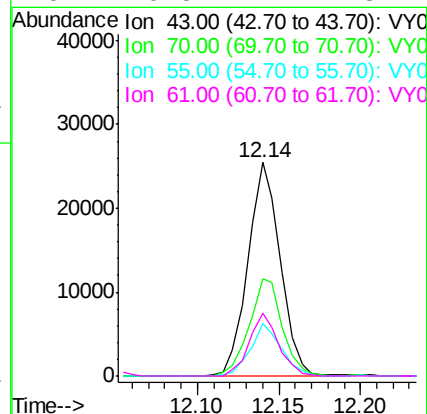
Ion Ratio Lower Upper

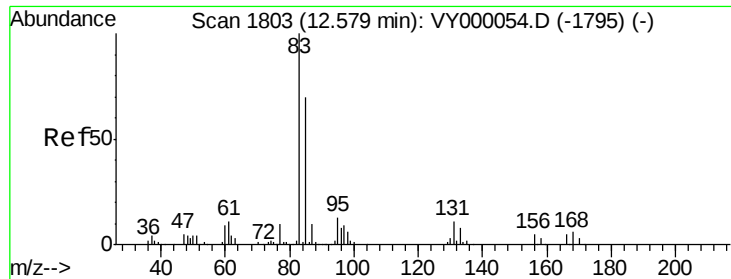
43 100

70 46.7 38.8 58.2

55 23.5 18.8 28.2

61 26.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.377 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

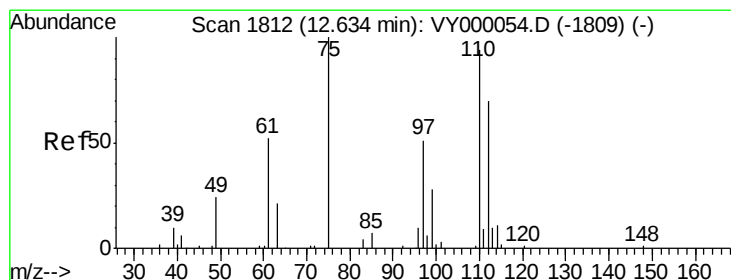
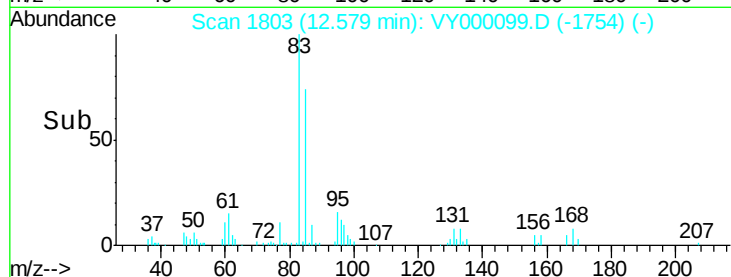
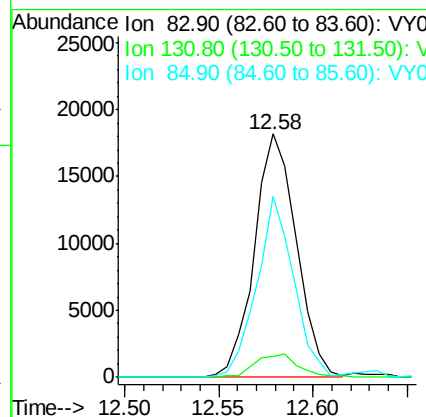
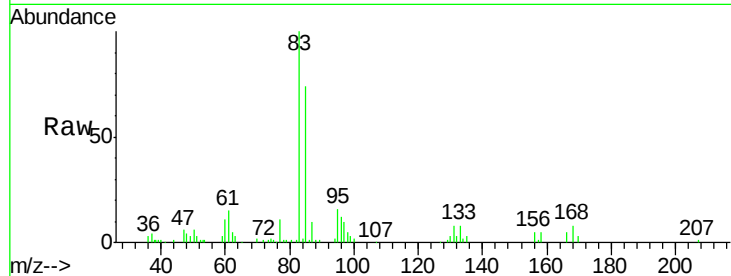
ClientSampleId :

VY0920SBS01

Tot Ion:	83	Resp:	28031
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	65.8	32.5	97.4

Manual Integrations
APPROVED

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9/24/2019 5:32:25 AM



#76

1,2,3-Trichloropropane

Concen: 16.503 ug/l m

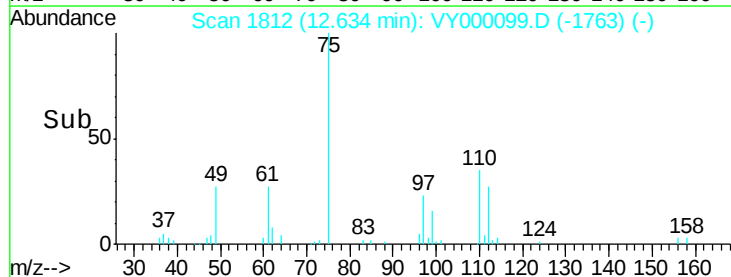
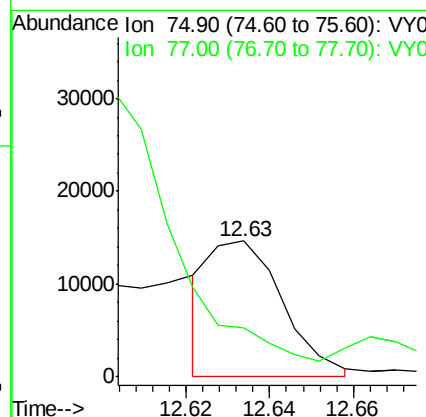
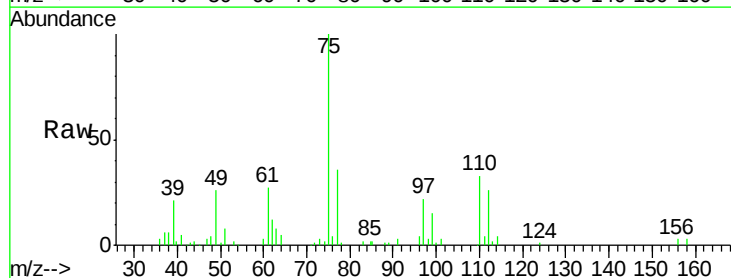
RT: 12.63 min Scan# 1812

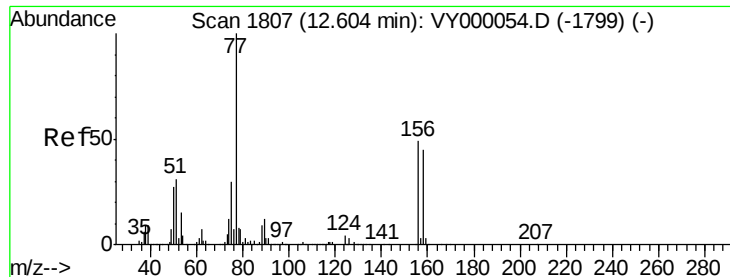
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	75	Resp:	17706
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.645 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion:156 Resp: 26493

Ion Ratio Lower Upper

156 100

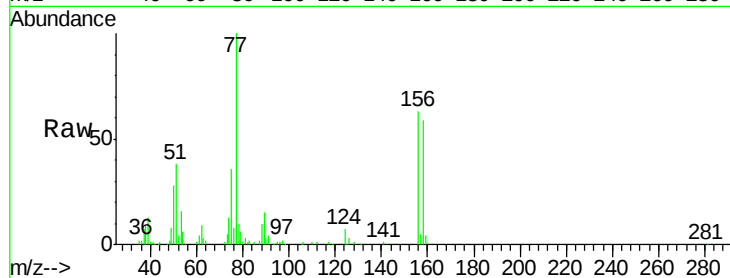
77 209.4 109.7 329.0

158 99.1 48.0 144.2

Manual Integrations
APPROVED

MMDadoda

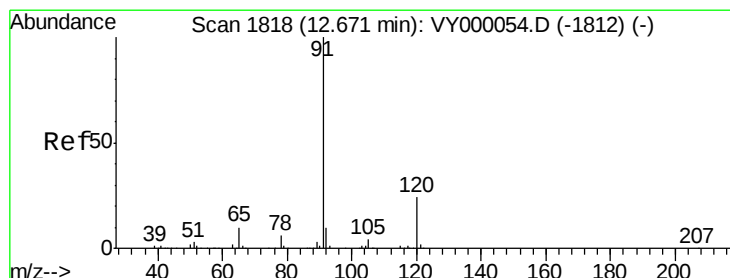
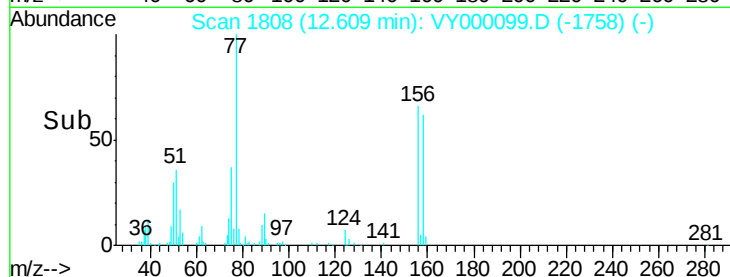
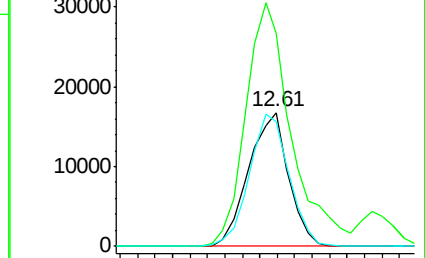
9/24/2019 5:32:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.059 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000099.D

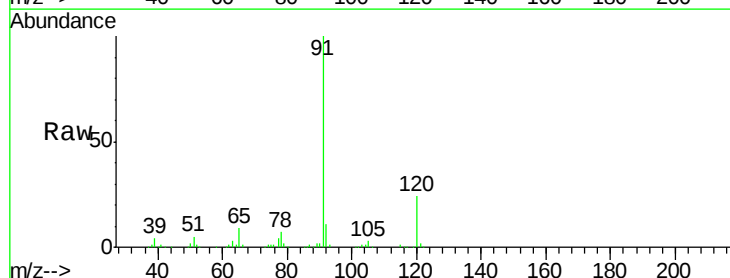
Acq: 20 Sep 2019 11:43

Tgt Ion: 91 Resp: 150373

Ion Ratio Lower Upper

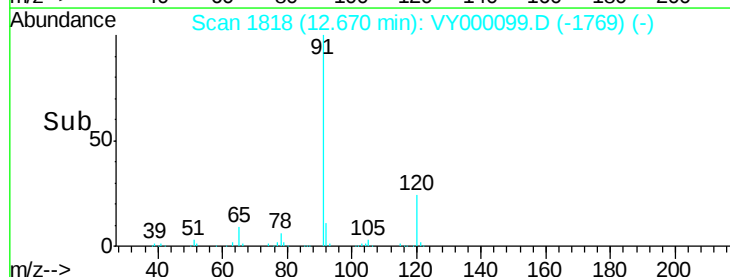
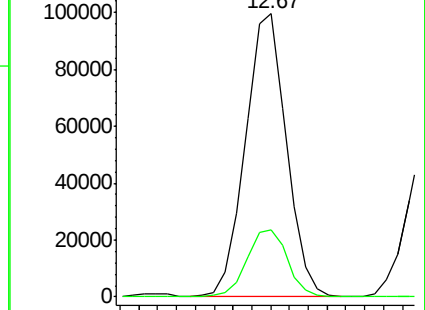
91 100

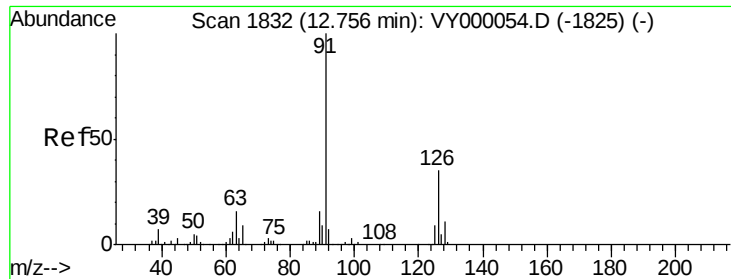
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion: 91 Resp: 83538

Ion Ratio Lower Upper

91 100

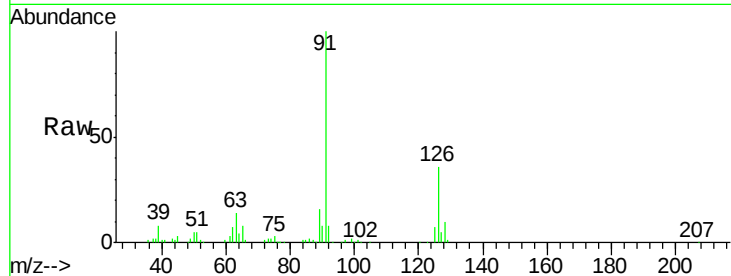
126 34.0 17.2 51.5

Manual Integrations

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9/24/2019 5:32:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000054.D (-1825) (-)

60000

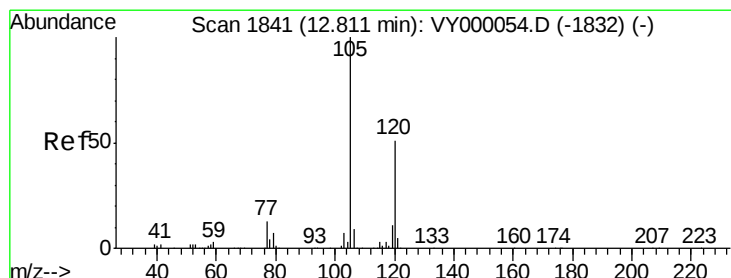
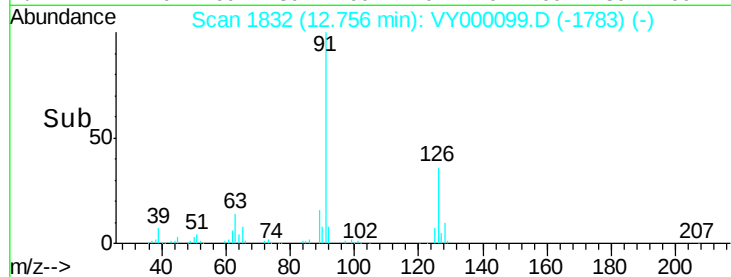
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.245 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000099.D

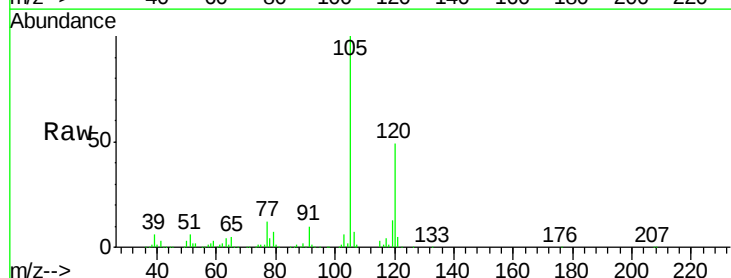
Acq: 20 Sep 2019 11:43

Tgt Ion: 105 Resp: 103063

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)

Ion 120.00 (119.70 to 120.70): VY000054.D (-1832) (-)

80000

60000

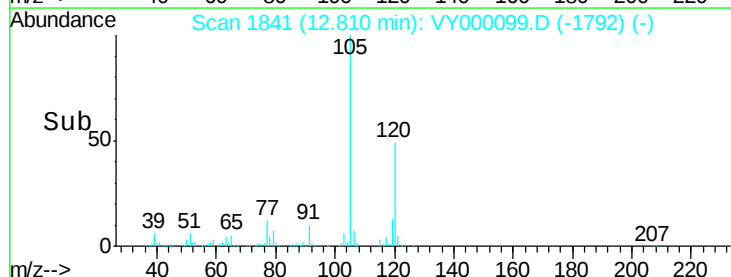
40000

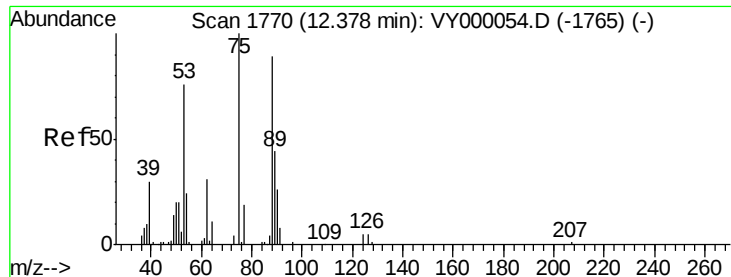
20000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.399 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

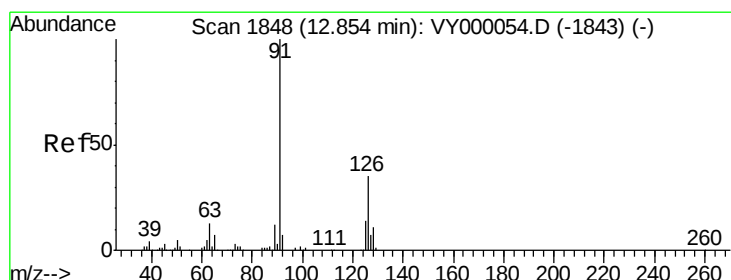
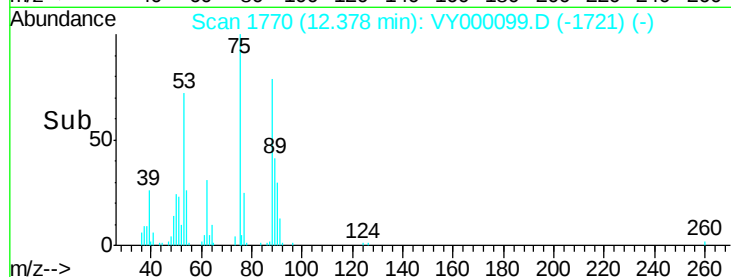
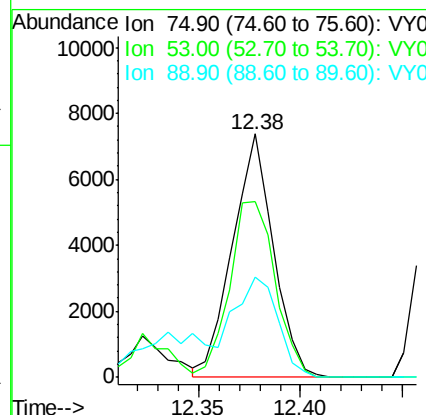
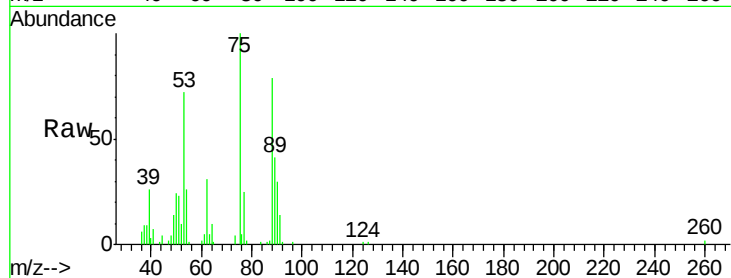
ClientSampleId :

VY0920SBS01

Tot Ion:	75	Resp:	10264
Ion Ratio	Lower	Upper	
75	100		
53	80.4	60.9	91.3
89	43.7	35.3	52.9

Manual Integrations
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9/24/2019 5:32:25 AM



#82

4-Chlorotoluene

Concen: 20.592 ug/l

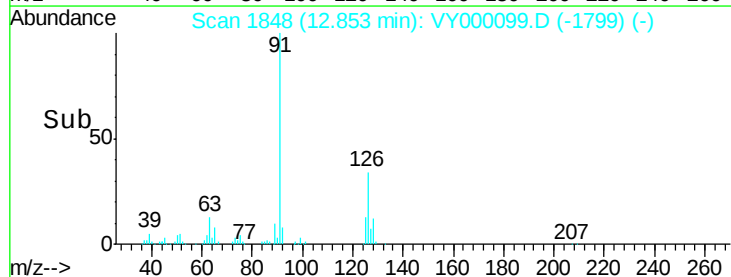
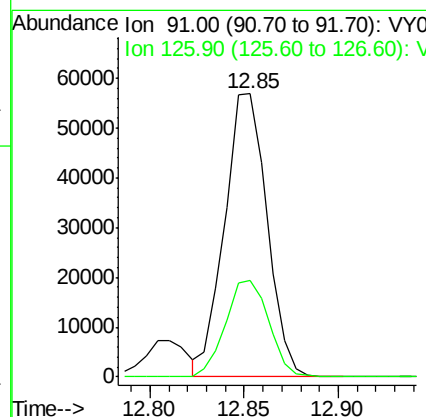
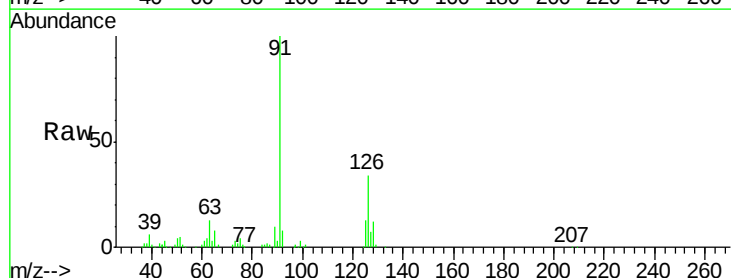
RT: 12.85 min Scan# 1848

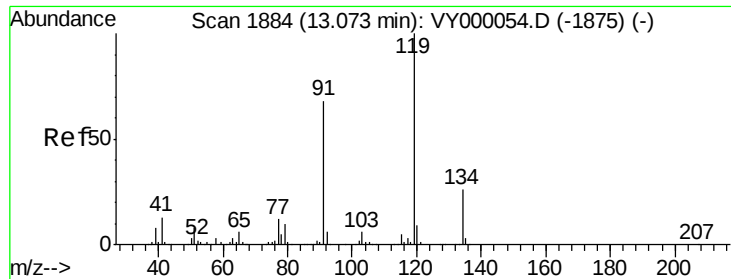
Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	91	Resp:	89237
Ion Ratio	Lower	Upper	
91	100		
126	34.9	16.7	50.1





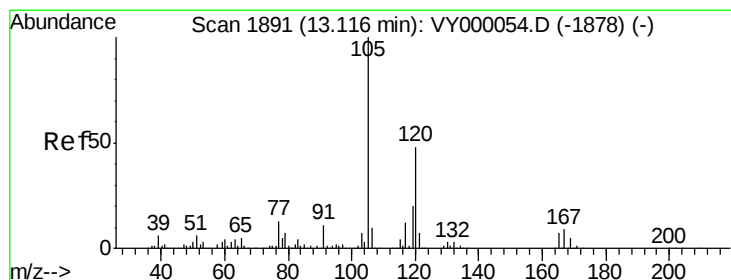
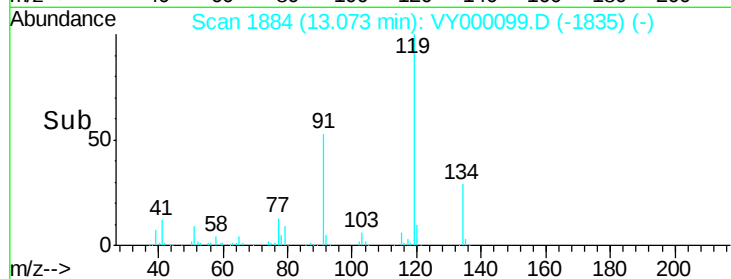
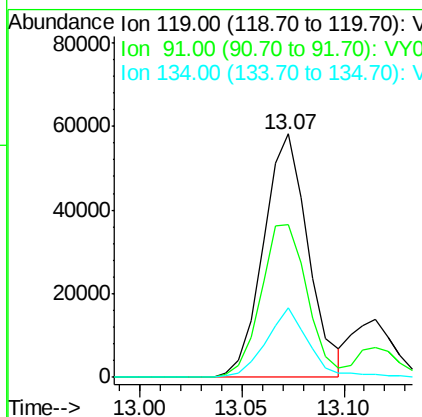
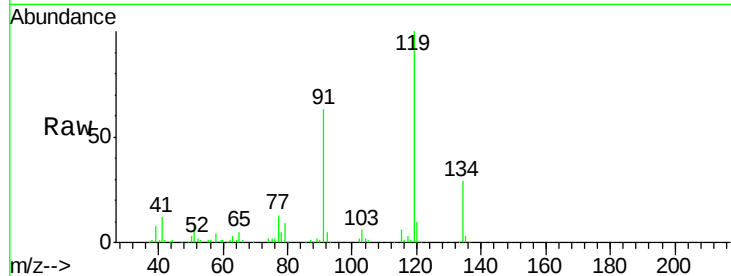
#83
tert-Butylbenzene
Concen: 20.488 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	33.4	100.1
134	27.5	12.7	38.0

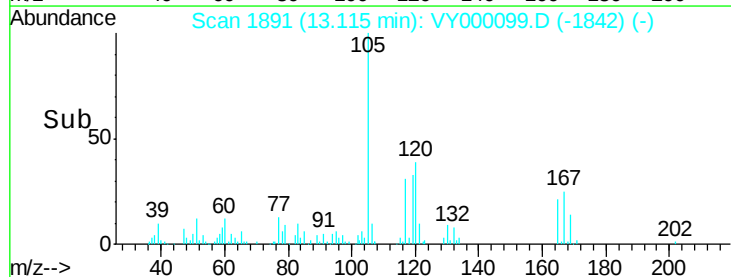
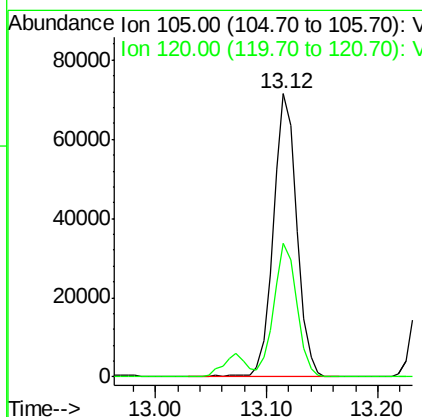
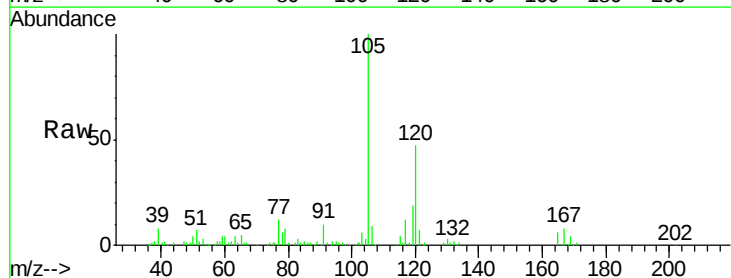
Manual Integrations
APPROVED

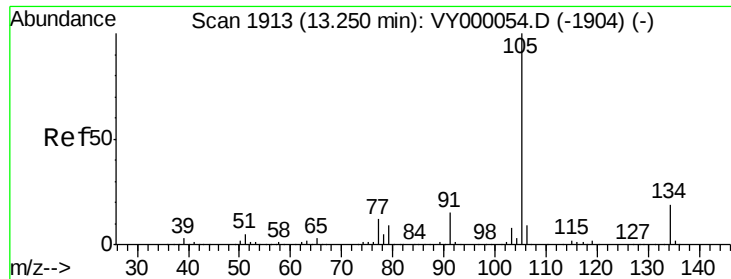
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.825 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.850 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0920SBS01

Tot Ion:105 Resp: 134166

Ion Ratio Lower Upper

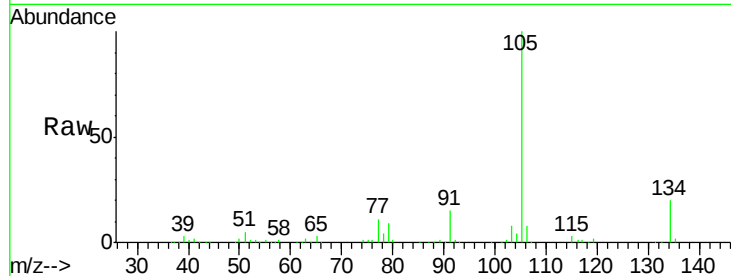
105 100

134 19.3 9.8 29.4

Manual Integrations
APPROVED

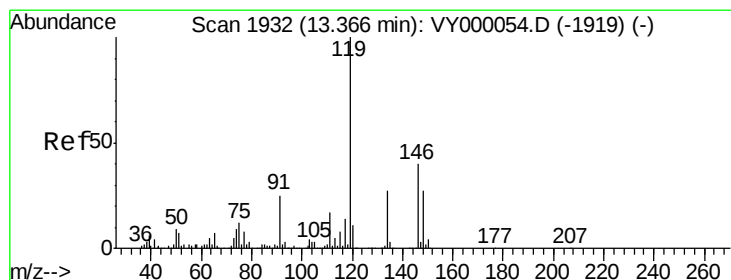
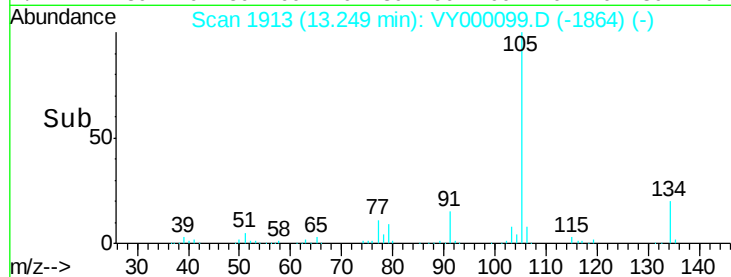
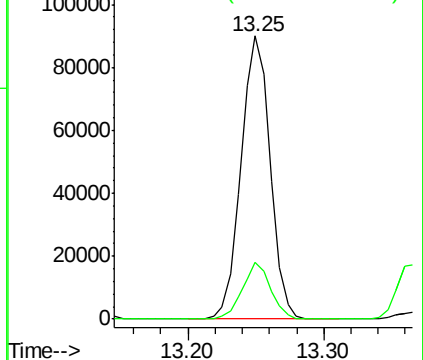
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.338 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

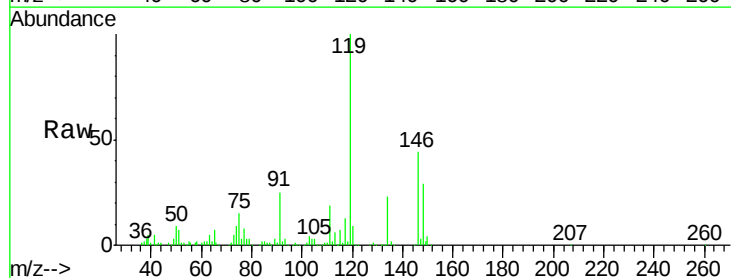
Tgt Ion:119 Resp: 110928

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

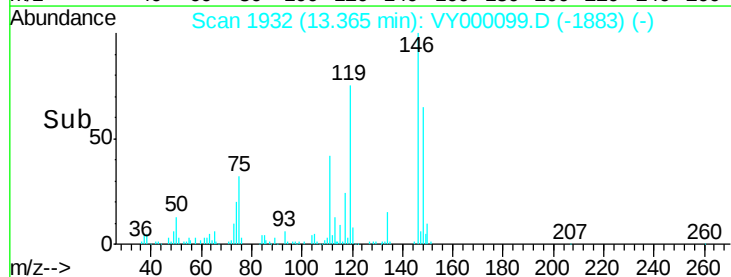
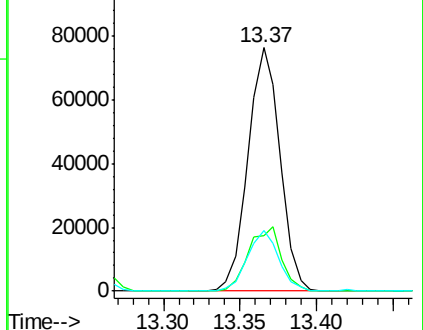
91 24.7 12.4 37.4

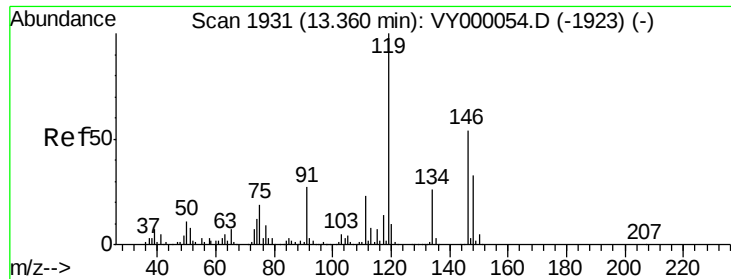


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





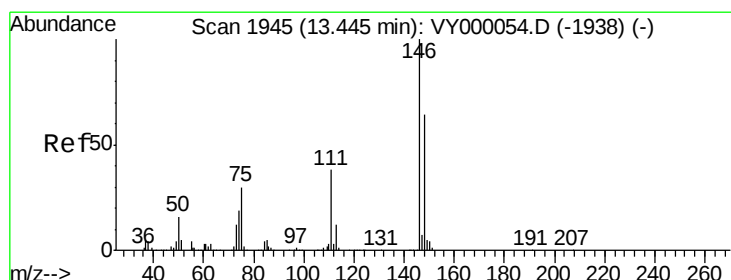
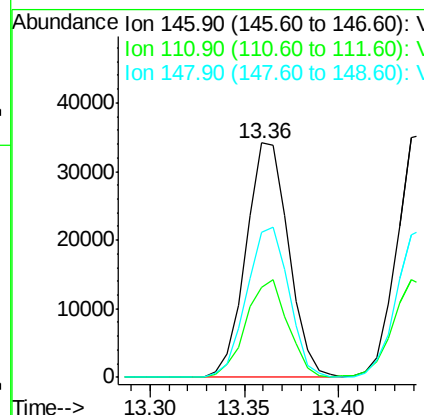
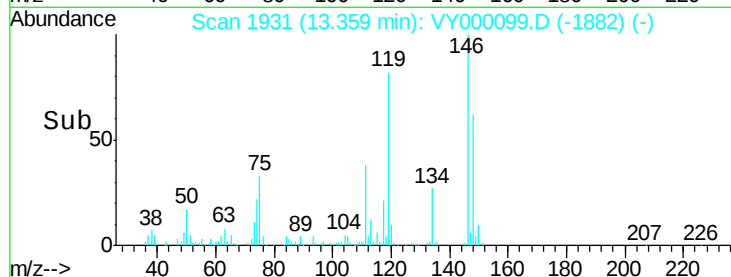
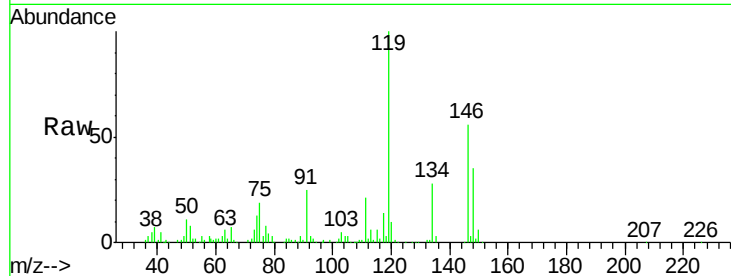
#87
1,3-Dichlorobenzene
Concen: 21.011 ug/l
RT: 13.36 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.1
148	63.7	31.8	95.3

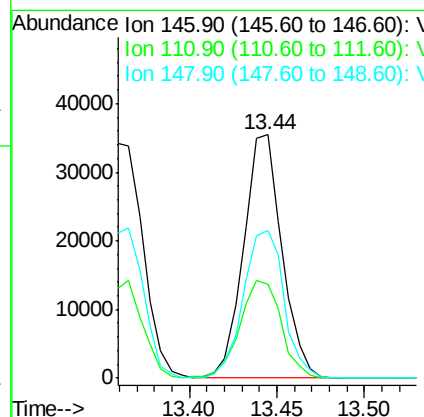
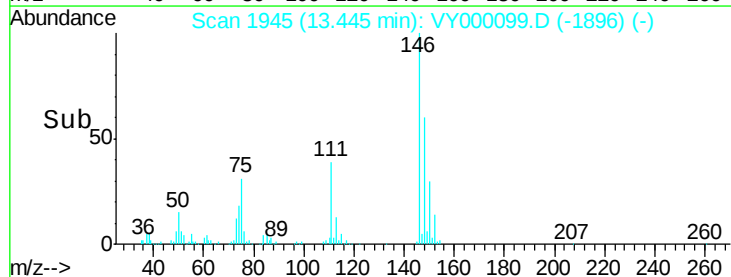
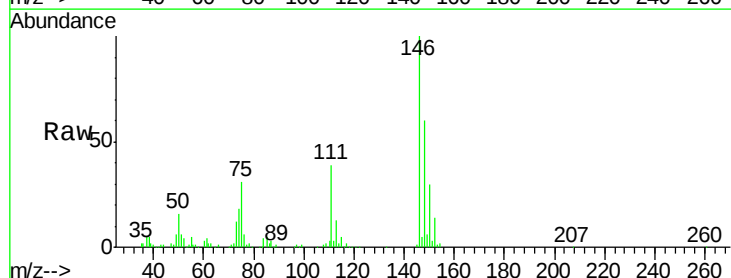
Manual Integrations
APPROVED

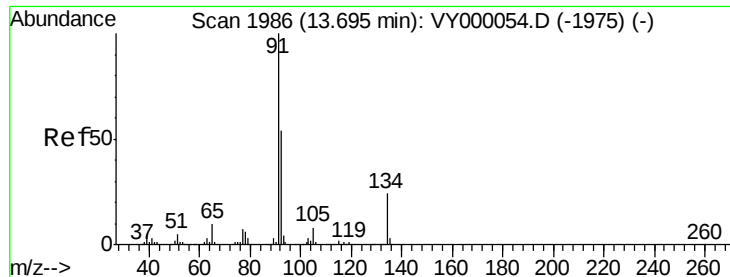
MMDadoda
9/24/2019 5:32:25 AM



#88
1,4-Dichlorobenzene
Concen: 21.162 ug/l
RT: 13.44 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.4
148	64.2	31.5	94.5





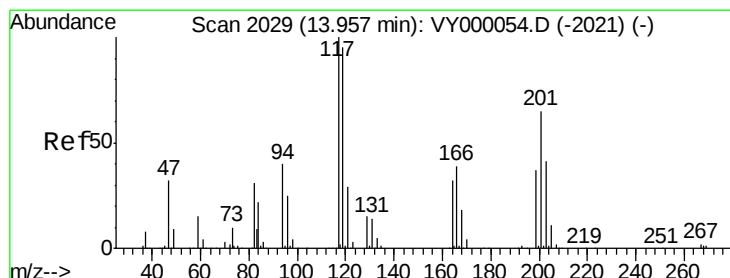
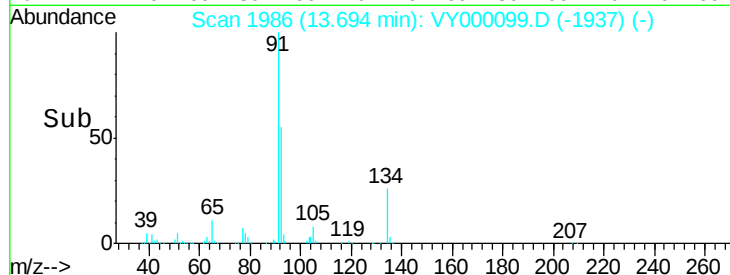
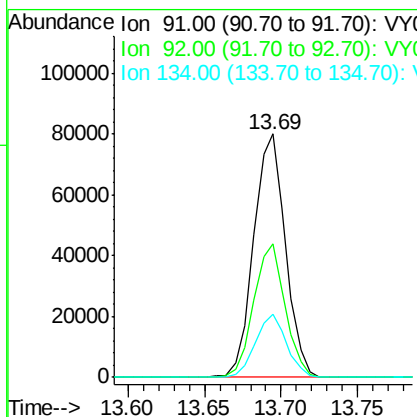
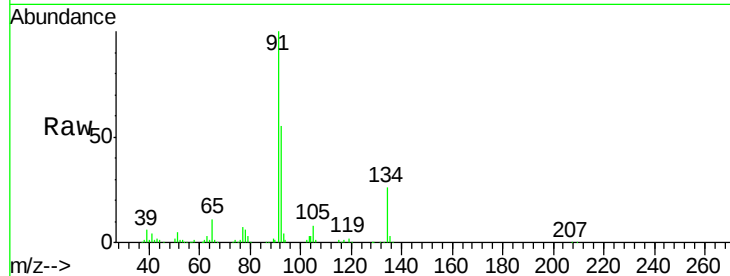
#89
n-Butylbenzene
Concen: 20.582 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.2	81.5	
134	25.3	12.2	36.6	

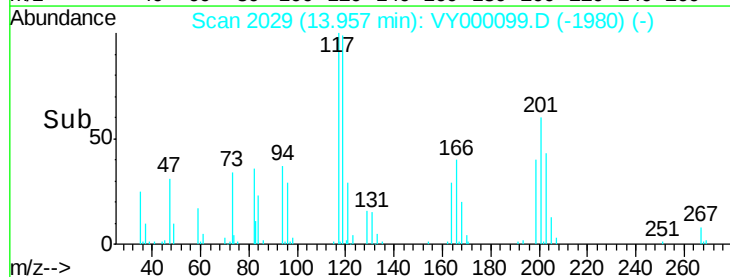
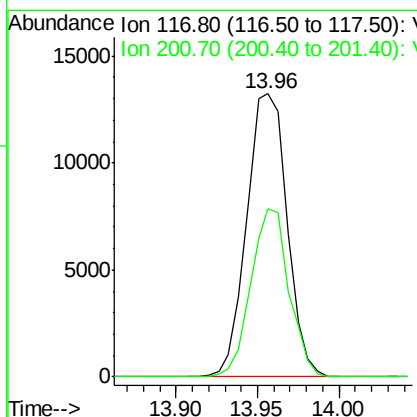
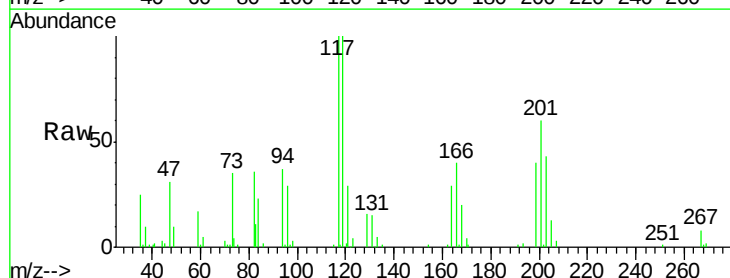
Manual Integrations
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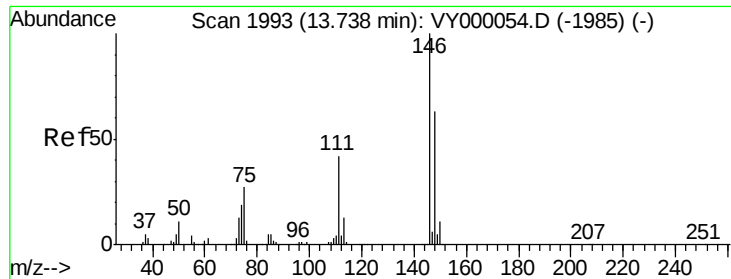
MMDadoda
9/24/2019 5:32:25 AM



#90
Hexachloroethane
Concen: 21.276 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000099.D
Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	56.1	30.6	92.0	





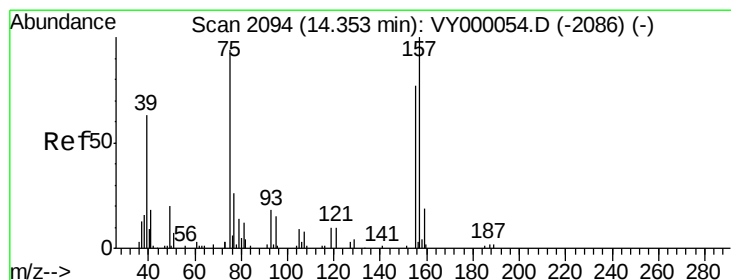
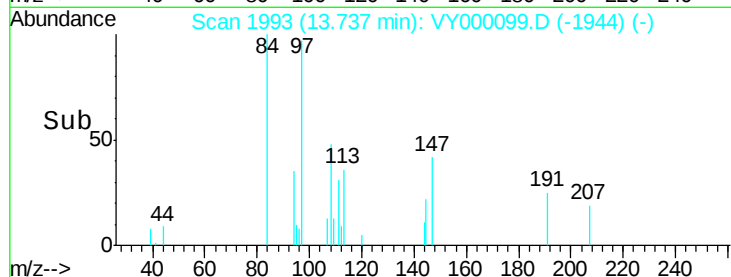
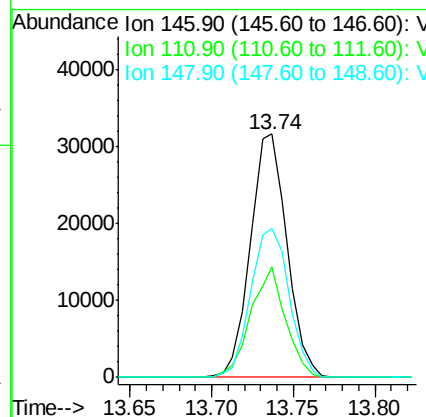
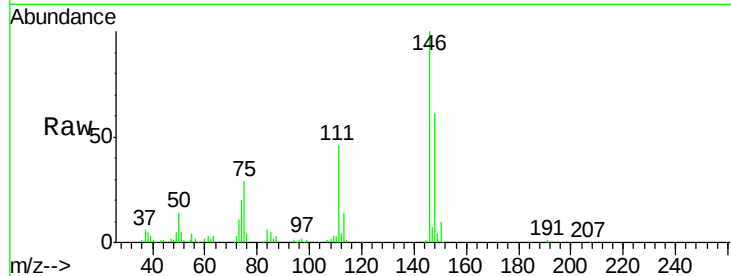
#91
 1,2-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.9	65.7
148	64.0	32.4	97.2

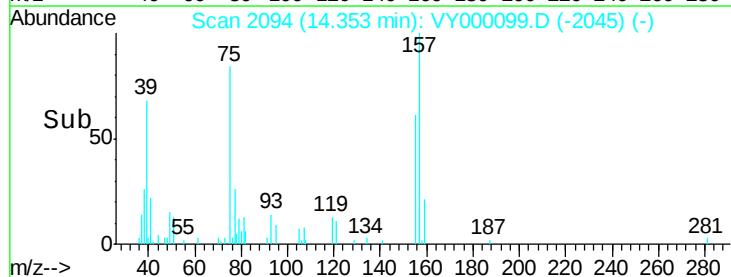
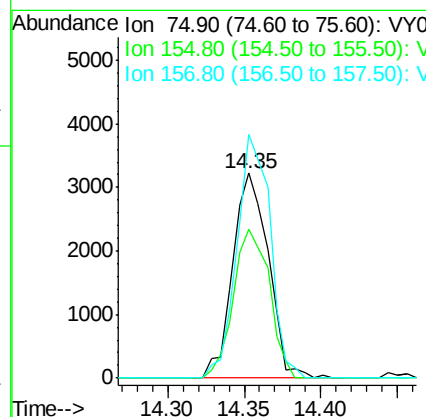
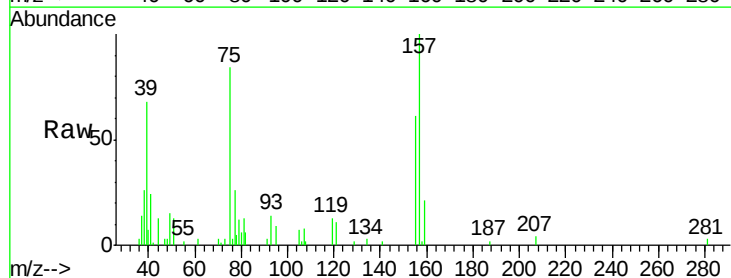
Manual Integrations
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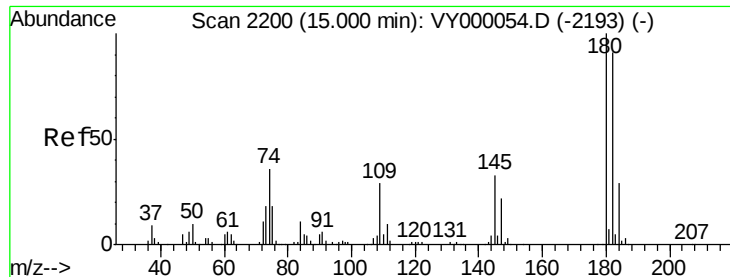
MMDadoda
 9/24/2019 5:32:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.123 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	40.6	121.7
157	111.8	52.9	158.8





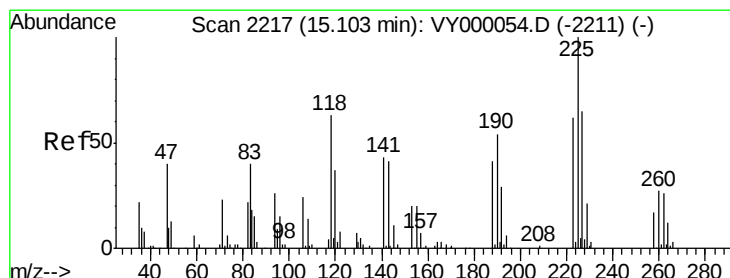
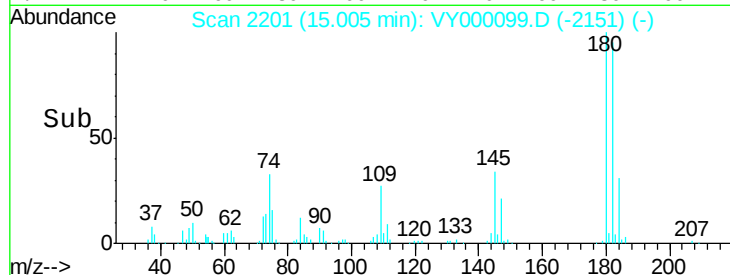
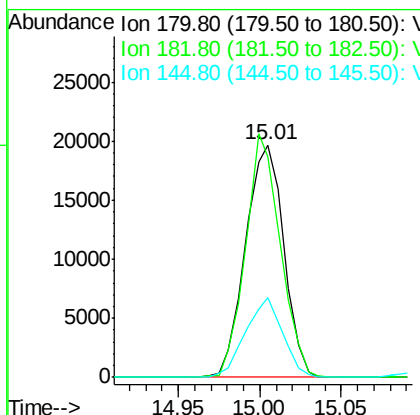
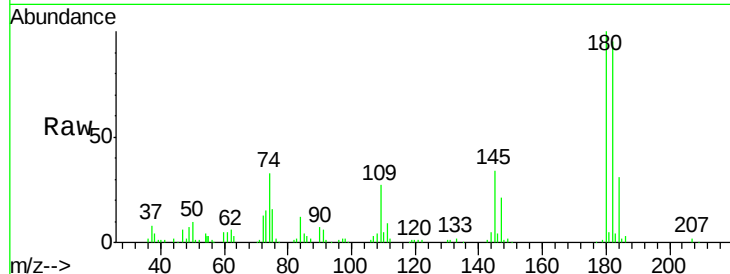
#93
 1,2,4-Trichlorobenzene
 Concen: 22.269 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32137		
182	95.3	48.5	145.6	
145	33.3	17.2	51.6	

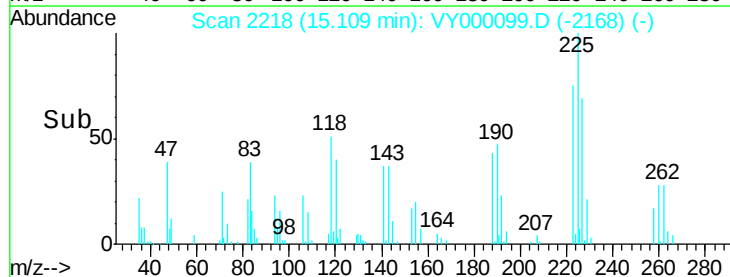
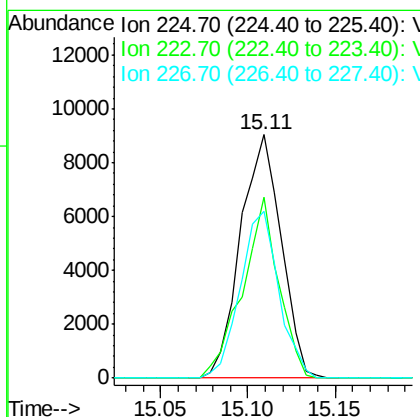
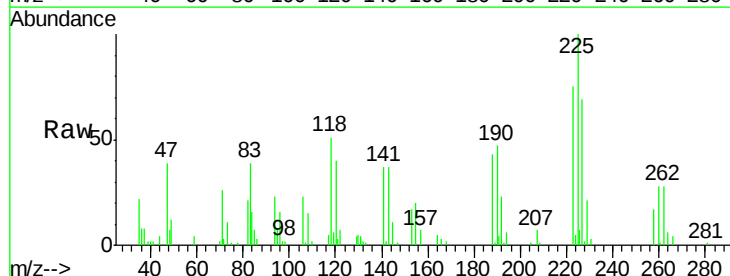
Manual Integrations
 APPROVED

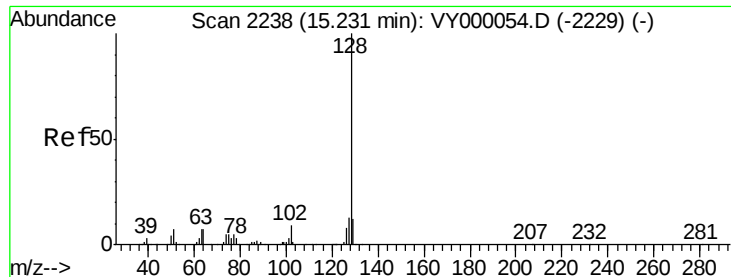
MMDadoda
 9/24/2019 5:32:25 AM



#94
 Hexachlorobutadiene
 Concen: 21.111 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000099.D
 Acq: 20 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14627		
223	66.1	31.9	95.5	
227	65.0	30.6	91.6	





#95

Naphthalene

Concen: 20.561 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Instrument :

MSVOA_Y

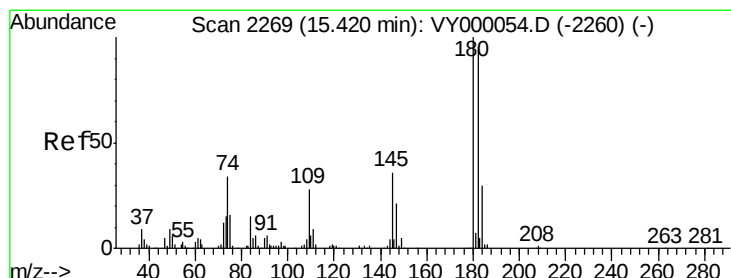
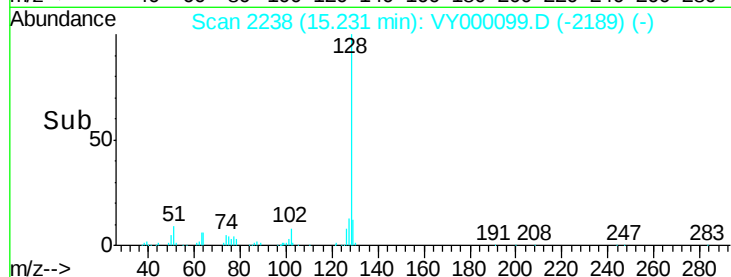
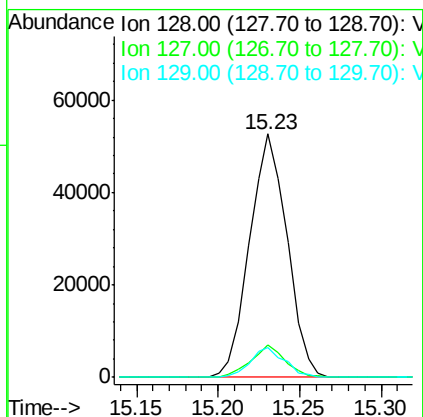
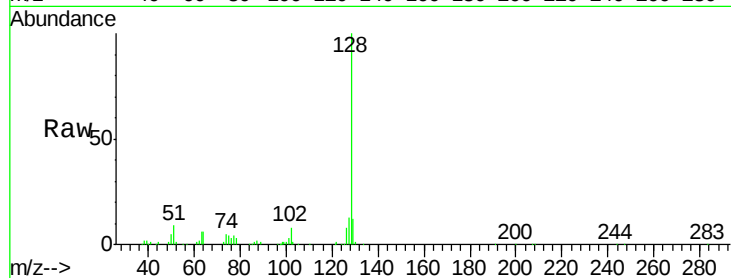
ClientSampleId :

VY0920SBS01

Tot Ion:	128	Resp:	84231
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	11.2	9.2	13.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.272 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000099.D

Acq: 20 Sep 2019 11:43

Tgt Ion:	180	Resp:	27920
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.5
145	38.8	17.4	52.2

