

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000133.D
 Acq On : 23 Sep 2019 15:54
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:28 AM

Quant Time: Sep 24 05:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	111580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	221538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	193886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	65556	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.71	113	59717	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.18	98	256394	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.48	95	87591	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	25754	23.267	ug/l	88
3) Chloromethane	2.11	50	33757	16.146	ug/l	98
4) Vinyl Chloride	2.25	62	35502	20.695	ug/l	99
5) Bromomethane	2.62	94	24427	22.988	ug/l	93
6) Chloroethane	2.78	64	22577	21.303	ug/l	94
7) Trichlorofluoromethane	3.12	101	40507	20.672	ug/l	97
8) Diethyl Ether	3.53	74	18596	22.139	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.89	101	25746	19.816	ug/l	98
10) Methyl Iodide	4.08	142	27426	16.454	ug/l	98
11) Tert butyl alcohol	4.98	59	14065m	106.214	ug/l	
12) 1,1-Dichloroethene	3.86	96	28490	21.231	ug/l	90
13) Acrolein	3.73	56	8401	156.144	ug/l #	83
14) Allyl chloride	4.47	41	40681	21.477	ug/l	98
15) Acrylonitrile	5.16	53	45871	112.659	ug/l	98
16) Acetone	3.95	43	27199	109.085	ug/l	98
17) Carbon Disulfide	4.18	76	96220	20.811	ug/l #	94
18) Methyl Acetate	4.47	43	21580	23.626	ug/l	94
19) Methyl tert-butyl Ether	5.21	73	72699	20.849	ug/l	96
20) Methylene Chloride	4.71	84	51806	30.918	ug/l #	92
21) trans-1,2-Dichloroethene	5.21	96	32512	21.484	ug/l	99
22) Diisopropyl ether	6.12	45	82263	20.369	ug/l	97
23) Vinyl Acetate	6.06	43	277148	102.975	ug/l	100
24) 1,1-Dichloroethane	6.01	63	49905	20.743	ug/l	97
25) 2-Butanone	6.99	43	49083	106.102	ug/l	96
26) 2,2-Dichloropropane	6.98	77	42421	19.457	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	33808	20.072	ug/l	96
28) Bromochloromethane	7.34	49	18138	19.293	ug/l	94
29) Tetrahydrofuran	7.35	42	33106	105.679	ug/l	99
30) Chloroform	7.51	83	47824	19.745	ug/l	97
31) Cyclohexane	7.78	56	51861	20.788	ug/l	87
32) 1,1,1-Trichloroethane	7.70	97	41514	20.834	ug/l	98
36) 1,1-Dichloropropene	7.91	75	40978	19.977	ug/l	97
37) Ethyl Acetate	7.08	43	21704	20.035	ug/l	94
38) Carbon Tetrachloride	7.90	117	34671	19.694	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	56486	20.022	ug/l	95
40) Benzene	8.16	78	126560	19.991	ug/l	97
41) Methacrylonitrile	7.32	41	11380m	21.337	ug/l	
42) 1,2-Dichloroethane	8.23	62	31286	19.379	ug/l	99
43) Isopropyl Acetate	8.28	43	42658	19.687	ug/l	99
44) Trichloroethene	8.94	130	30625	19.482	ug/l	99
45) 1,2-Dichloropropane	9.22	63	30881	20.195	ug/l #	85
46) Dibromomethane	9.31	93	17225	20.255	ug/l	95
47) Bromodichloromethane	9.49	83	38606	19.827	ug/l #	97
48) Methyl methacrylate	9.29	41	18454	19.930	ug/l	99
49) 1,4-Dioxane	9.30	88	5994	446.464	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	115115	104.258	ug/l	100
52) Toluene	10.24	92	78488	20.063	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	41122	19.367	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	48353	19.642	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	23533	19.324	ug/l #	89
56) Ethyl methacrylate	10.51	69	36404	21.222	ug/l	94
57) 1,3-Dichloropropane	10.79	76	41976	19.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	83381	98.454	ug/l	99
59) 2-Hexanone	10.83	43	79548	102.855	ug/l	99
60) Dibromochloromethane	10.98	129	24326	19.112	ug/l	95
61) 1,2-Dibromoethane	11.09	107	23850	20.838	ug/l	99
64) Tetrachloroethene	10.71	164	28810	19.521	ug/l	92
65) Chlorobenzene	11.51	112	77343	19.651	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	24891	19.681	ug/l	97
67) Ethyl Benzene	11.59	91	142061	19.856	ug/l	98
68) m/p-Xylenes	11.70	106	109585	39.720	ug/l	98
69) o-Xylene	12.02	106	51692	19.600	ug/l	99
70) Styrene	12.04	104	87500	19.636	ug/l	98
71) Bromoform	12.20	173	14175	19.851	ug/l #	99
73) Isopropylbenzene	12.32	105	134129	20.121	ug/l	100
74) N-amyl acetate	12.14	43	37721	20.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	26977	20.269	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	21610m	24.630	ug/l	
77) Bromobenzene	12.60	156	28507	20.451	ug/l	97
78) n-propylbenzene	12.66	91	163091	19.783	ug/l	100
79) 2-Chlorotoluene	12.75	91	89570	19.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	110996	19.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	11316	21.200	ug/l #	79
82) 4-Chlorotoluene	12.85	91	93367	20.002	ug/l	96
83) tert-Butylbenzene	13.07	119	91838	20.097	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	110625	19.871	ug/l	99
85) sec-Butylbenzene	13.25	105	135813	19.882	ug/l	99
86) p-Isopropyltoluene	13.37	119	114679	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	54286	19.904	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	54570	19.602	ug/l	99
89) n-Butylbenzene	13.69	91	118964	19.913	ug/l	98
90) Hexachloroethane	13.96	117	22244	19.285	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	51525	20.025	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	5372	21.960	ug/l	80

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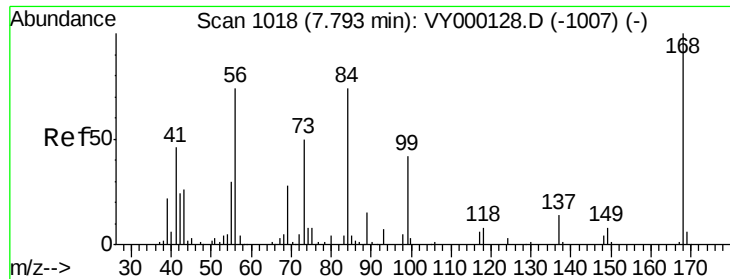
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	32569	19.687	ug/l	99
94) Hexachlorobutadiene	15.11	225	14896	20.259	ug/l	97
95) Naphthalene	15.23	128	86834	20.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	31031	21.032	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion:168 Resp: 111580

Ion Ratio Lower Upper

168 100

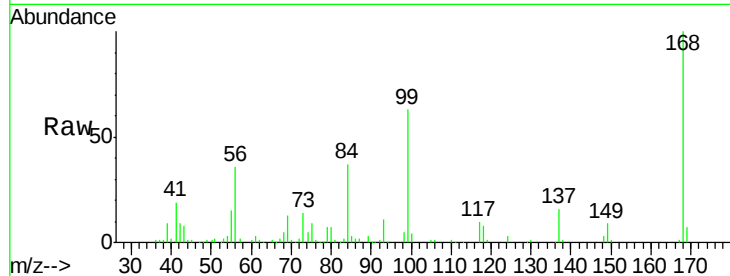
99 62.5 49.9 74.9

Manual Integrations

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9/25/2019 12:39:28 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

50000

40000

30000

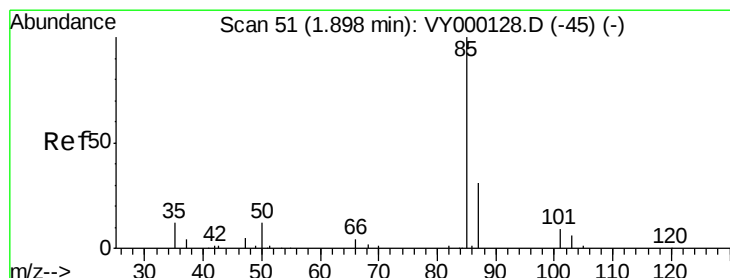
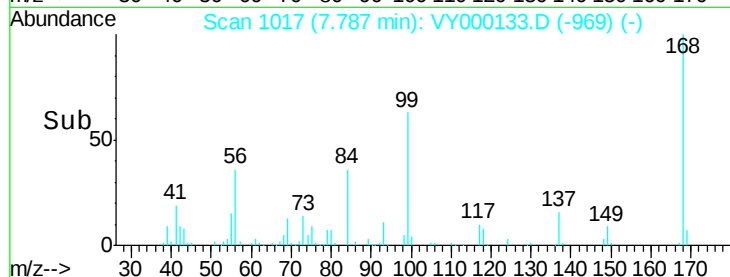
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.267 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000133.D

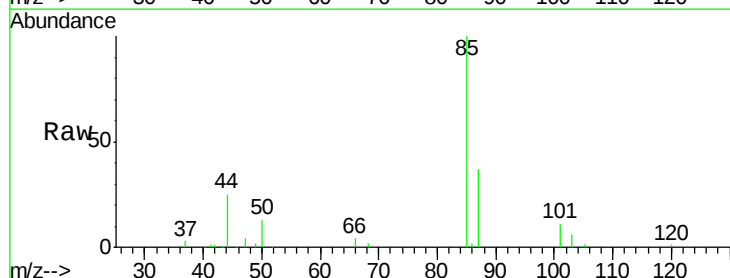
Acq: 23 Sep 2019 15:54

Tgt Ion: 85 Resp: 25754

Ion Ratio Lower Upper

85 100

87 37.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

15000

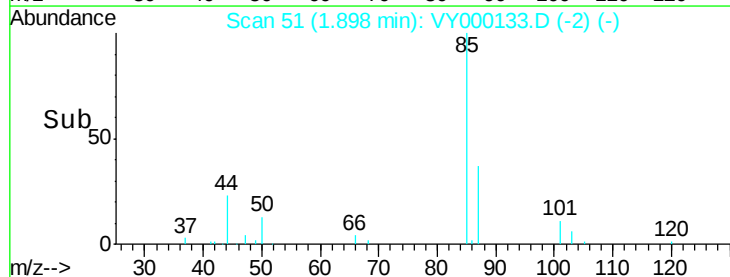
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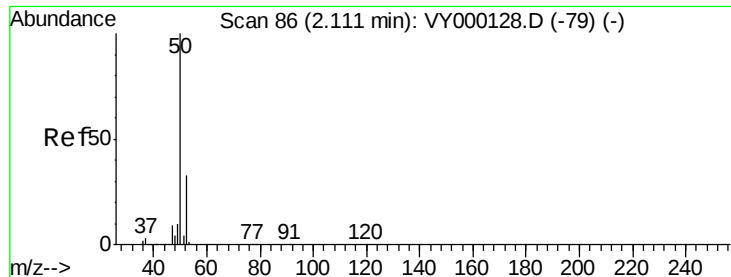
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 16.146 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 50 Resp: 33757

Ion Ratio Lower Upper

50 100

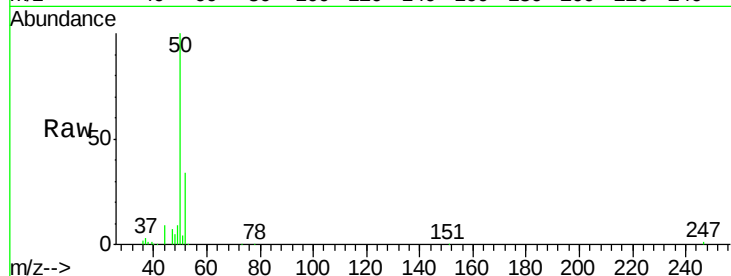
52 34.0 26.2 39.4

Manual Integrations

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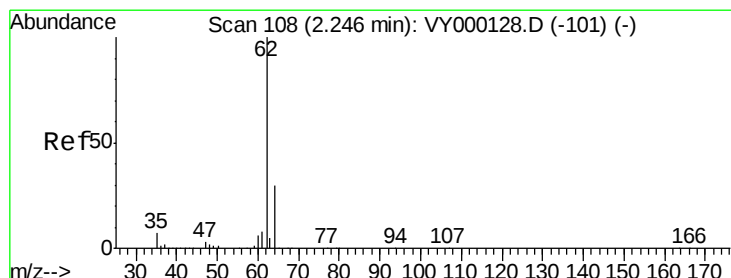
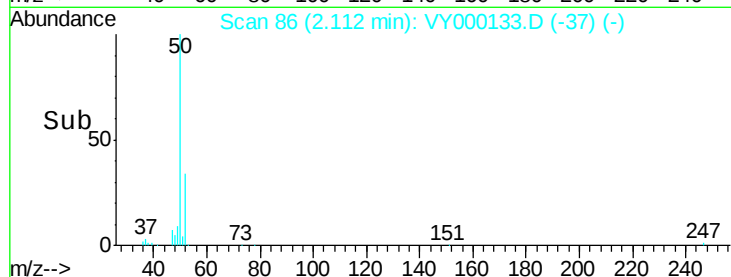
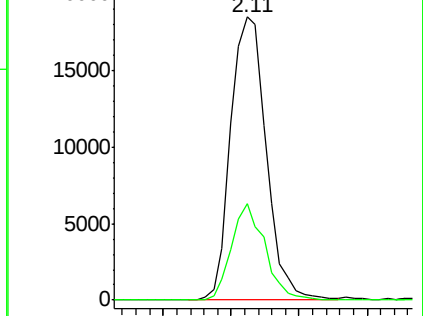
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.695 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000133.D

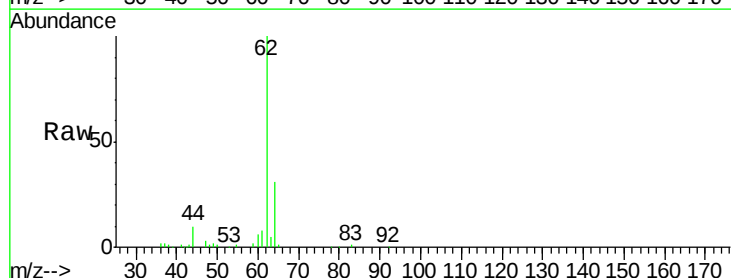
Acq: 23 Sep 2019 15:54

Tgt Ion: 62 Resp: 35502

Ion Ratio Lower Upper

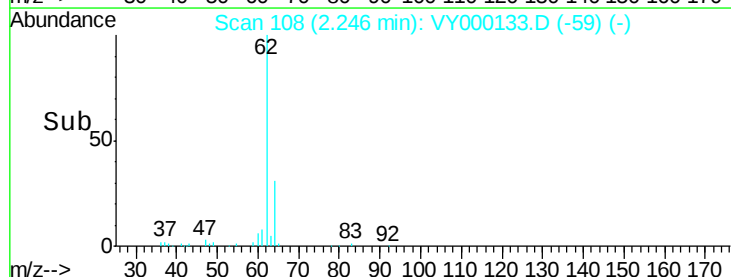
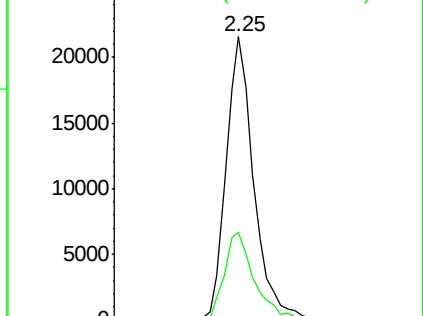
62 100

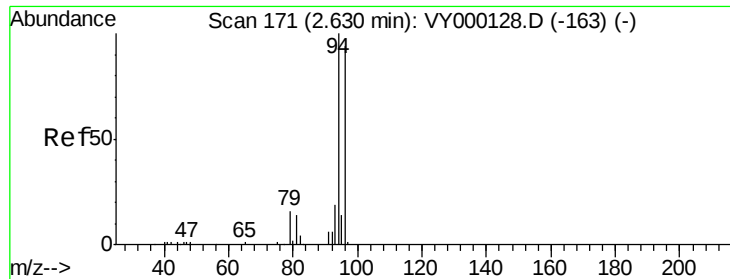
64 31.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.988 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 94 Resp: 24427

Ion Ratio Lower Upper

94 100

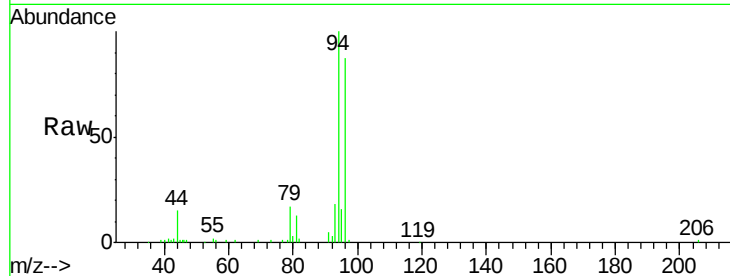
96 87.4 75.1 112.7

Manual Integrations

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9/25/2019 12:39:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

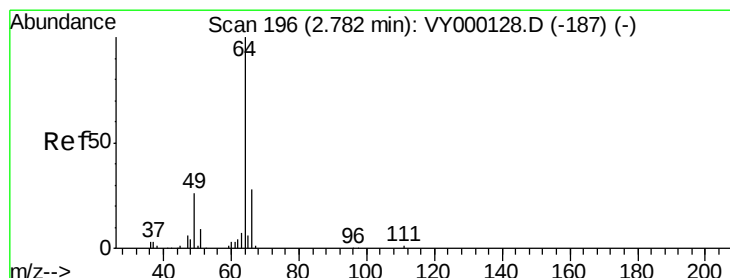
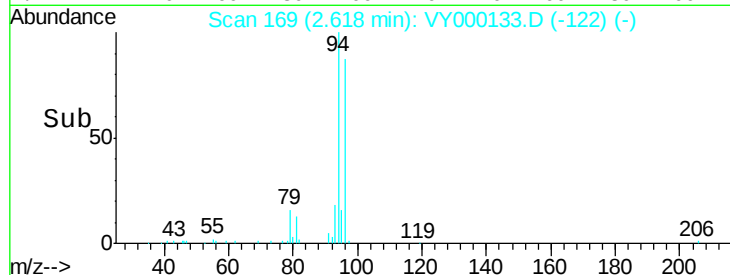
2.62

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.303 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000133.D

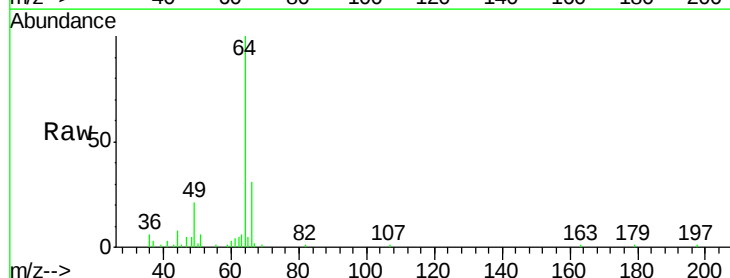
Acq: 23 Sep 2019 15:54

Tgt Ion: 64 Resp: 22577

Ion Ratio Lower Upper

64 100

66 31.0 22.4 33.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

12000

10000

8000

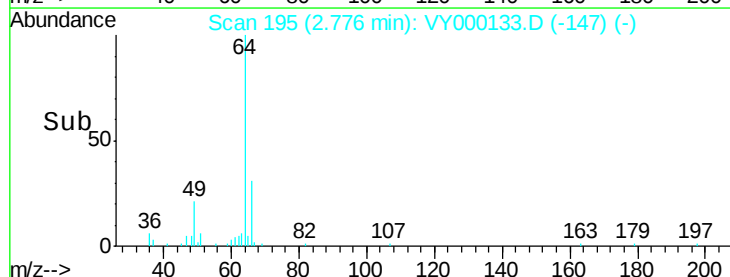
6000

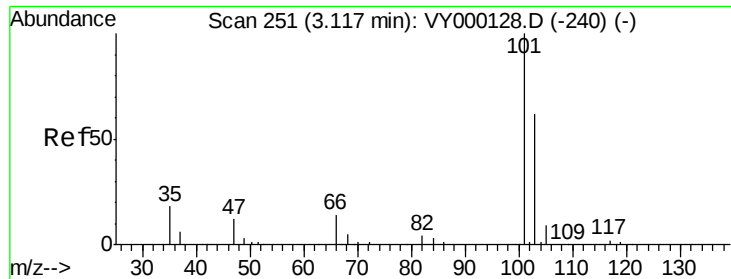
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2000

0

Time-->





#7

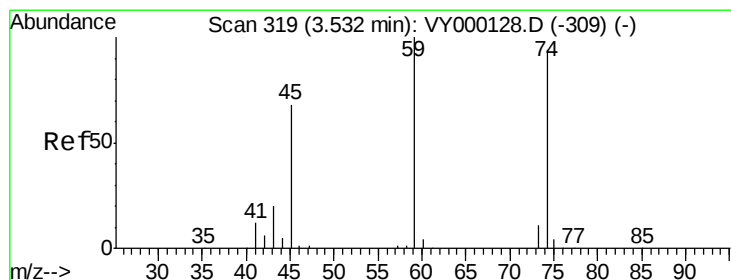
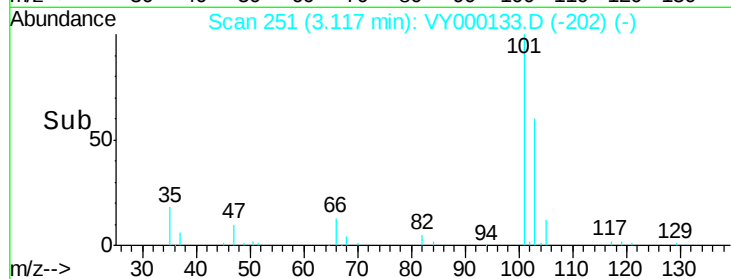
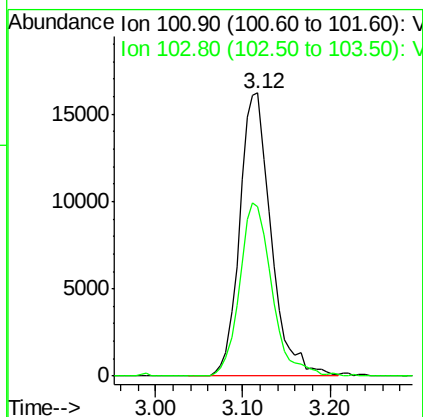
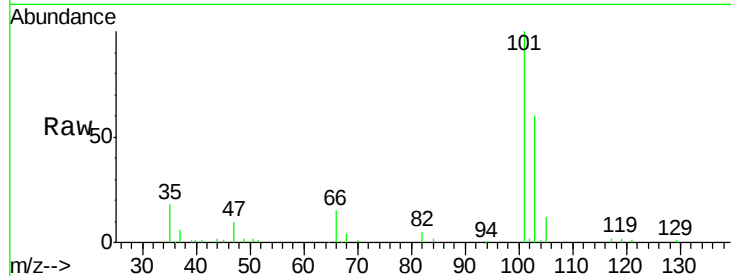
Trichlorofluoromethane
Concen: 20.672 ug/l
RT: 3.12 min Scan# 251
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	49.9	74.9

Manual Integrations
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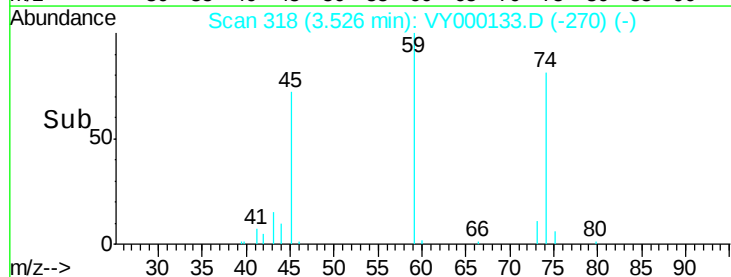
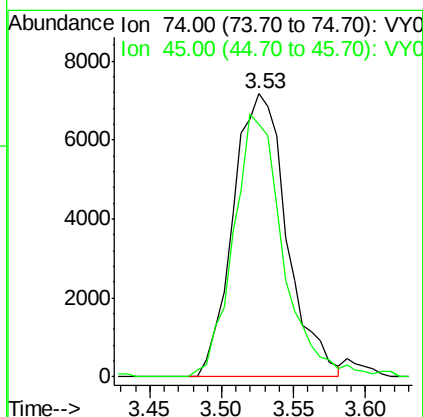
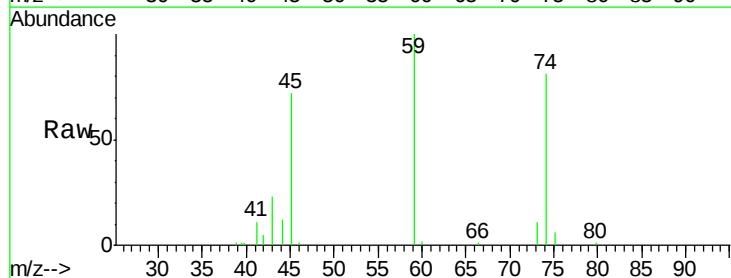
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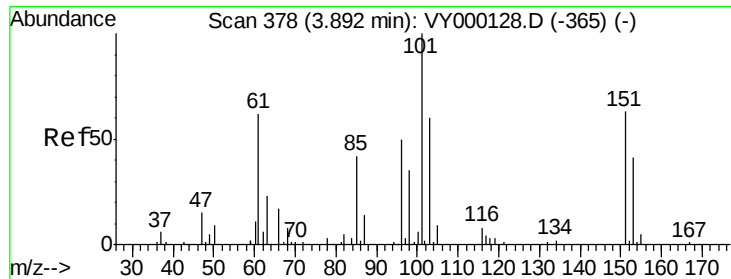


#8

Diethyl Ether
Concen: 22.139 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	40.1	120.2





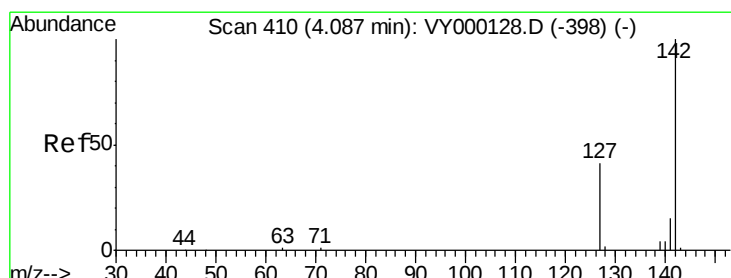
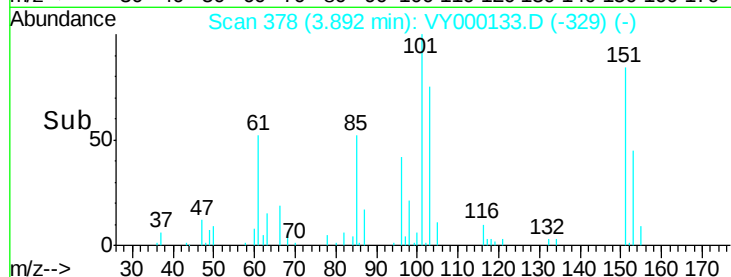
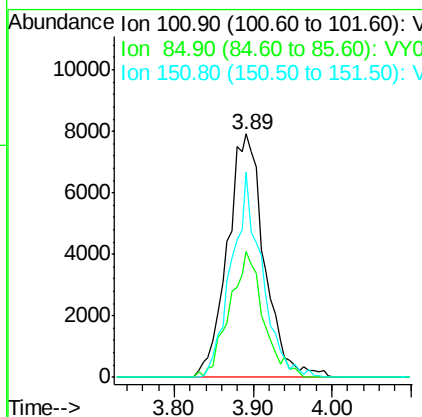
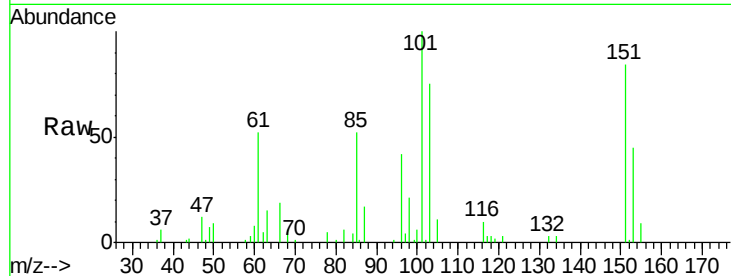
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.816 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	25746		
85	47.4	36.7	55.1	
151	69.3	53.9	80.9	

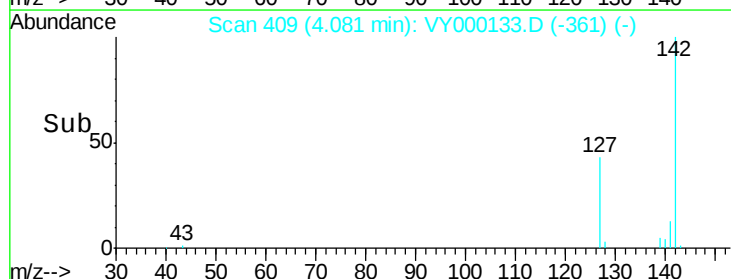
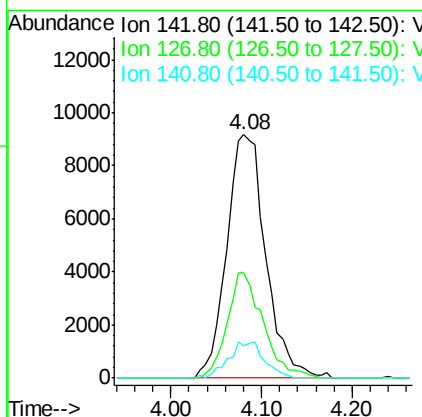
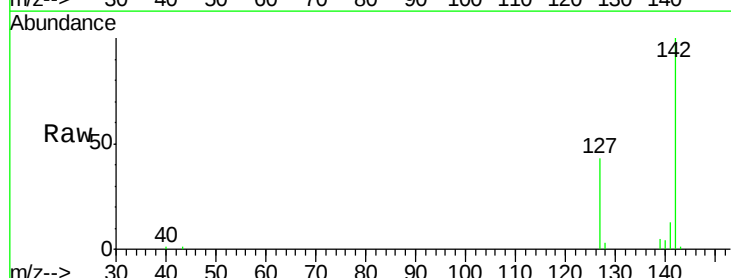
Manual Integrations
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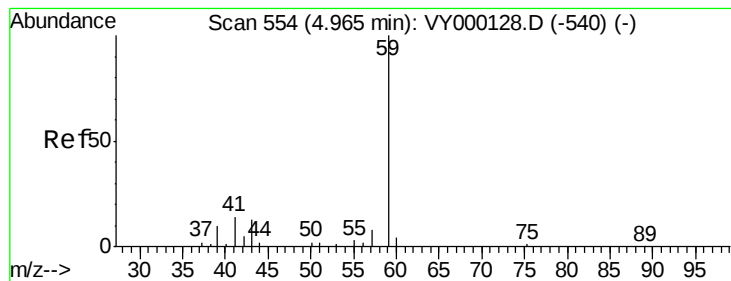
MMDadoda
9/25/2019 12:39:28 AM



#10
Methyl Iodide
Concen: 16.454 ug/l
RT: 4.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	27426		
127	39.7	32.8	49.2	
141	13.8	10.8	16.2	





#11

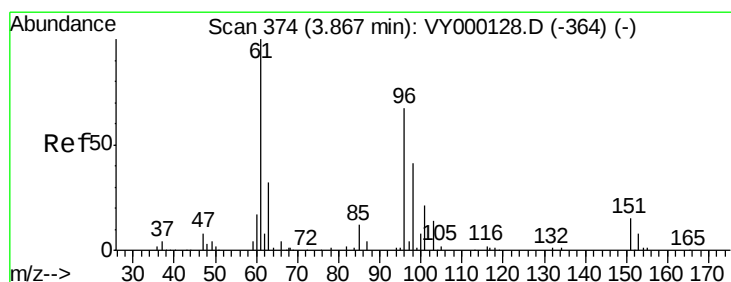
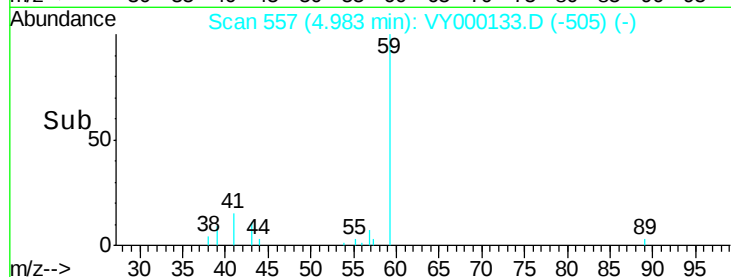
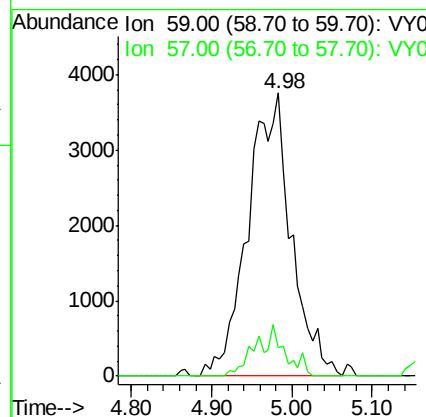
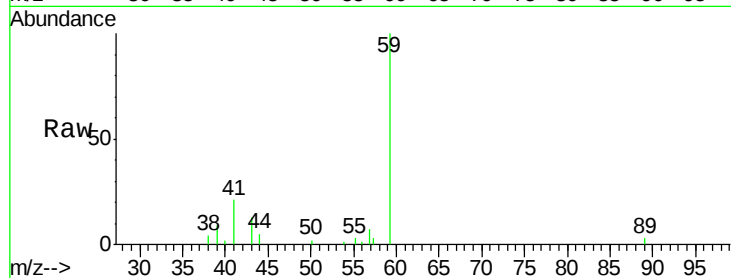
Tert butyl alcohol
 Concen: 106.214 ug/l m
 RT: 4.98 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.4#

Manual Integrations
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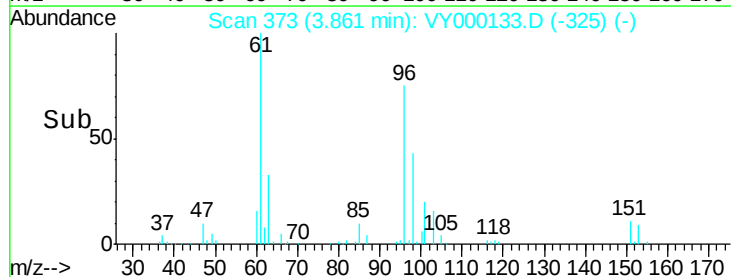
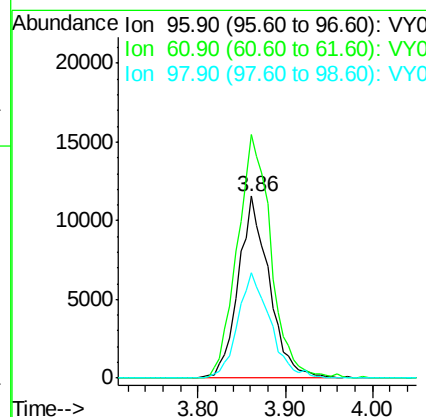
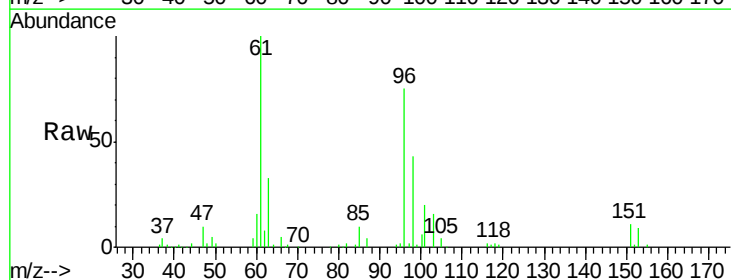
MMDadoda
 9/25/2019 12:39:28 AM

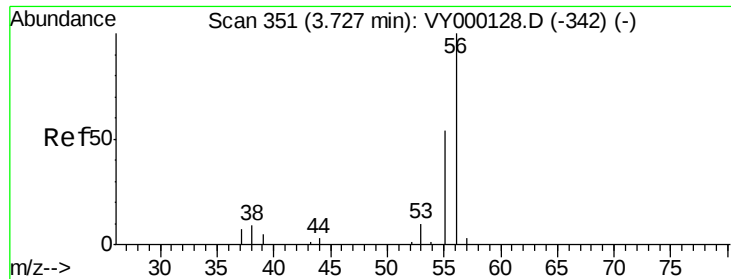


#12

1,1-Dichloroethene
 Concen: 21.231 ug/l
 RT: 3.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.9	119.8	179.6
98	58.2	48.8	73.2





#13

Acrolein

Concen: 156.144 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 56 Resp: 8401

Ion Ratio Lower Upper

56 100

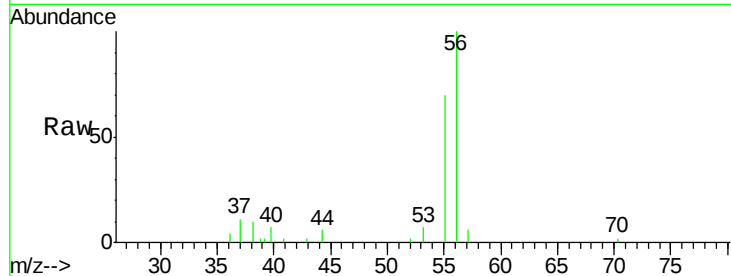
55 74.5 49.4 74.0#

Manual Integrations

APPROVED

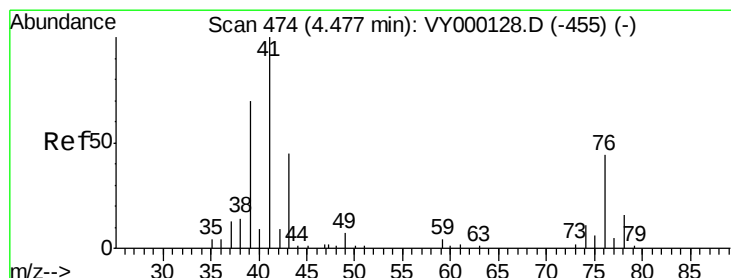
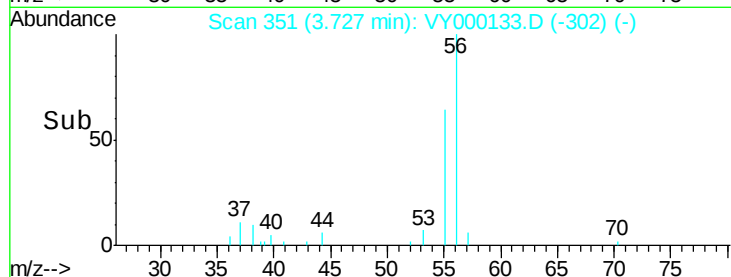
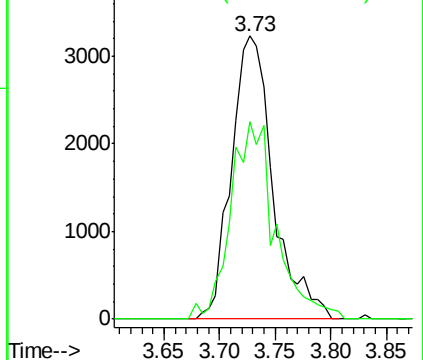
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 21.477 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

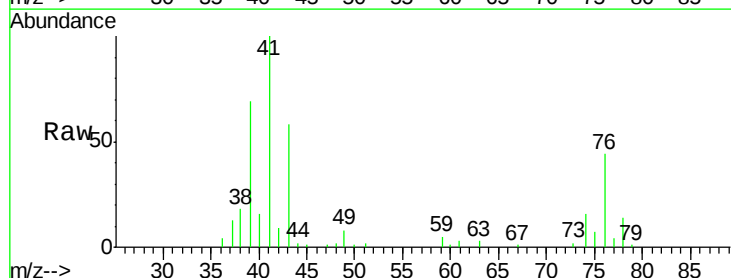
Tgt Ion: 41 Resp: 40681

Ion Ratio Lower Upper

41 100

39 64.2 52.7 79.1

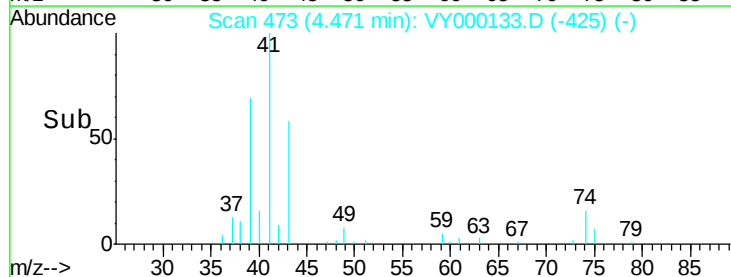
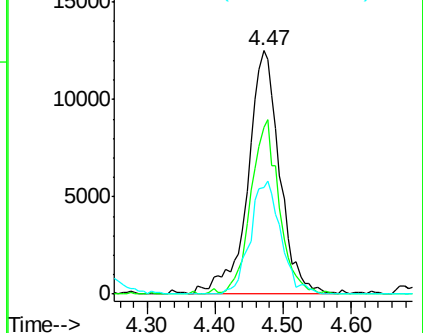
76 44.7 36.6 55.0

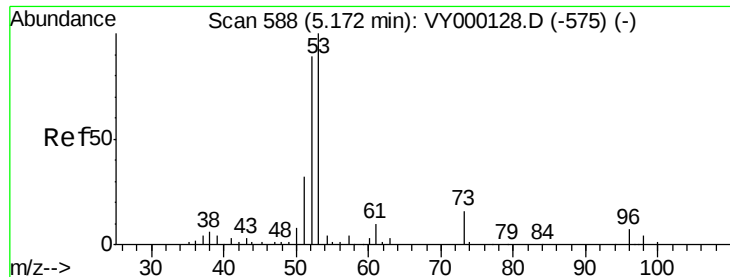


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 112.659 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

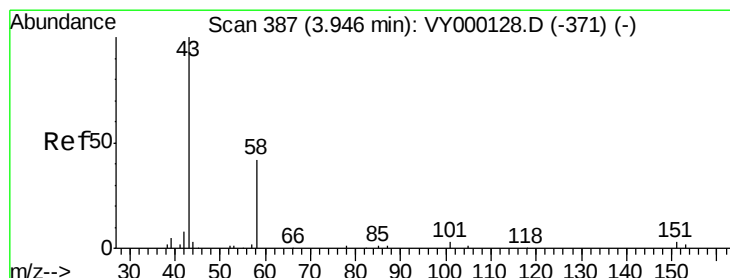
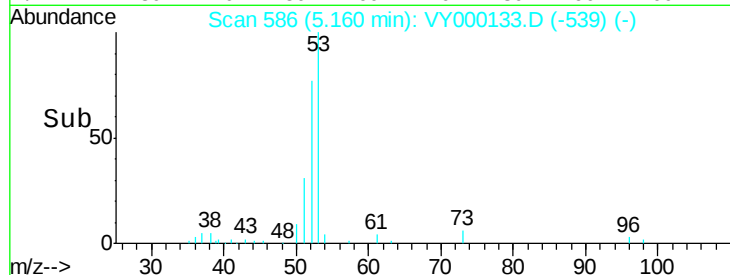
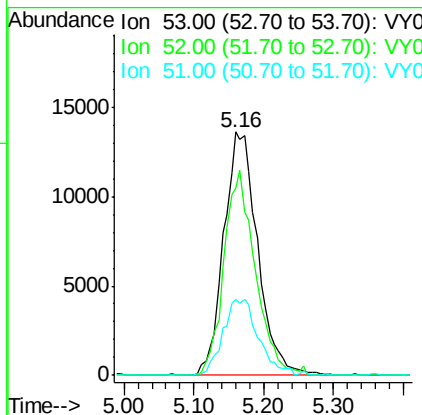
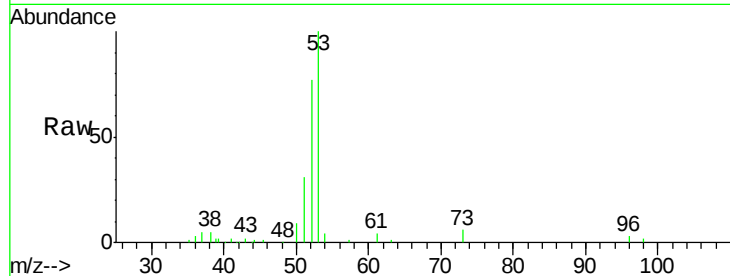
ClientSampleId :

VY0923SBS01

Tot Ion:	53	Resp:	45871
Ion	Ratio	Lower	Upper
53	100		
52	77.9	63.8	95.8
51	32.7	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 109.085 ug/l

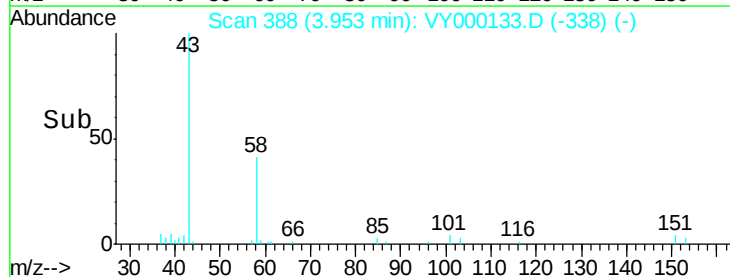
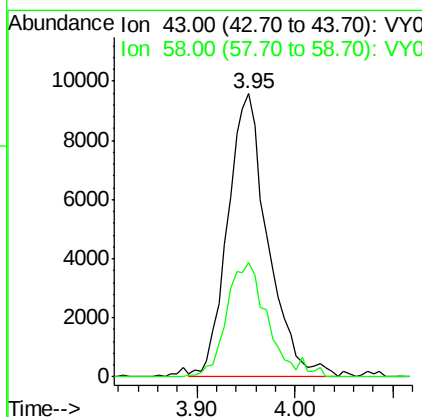
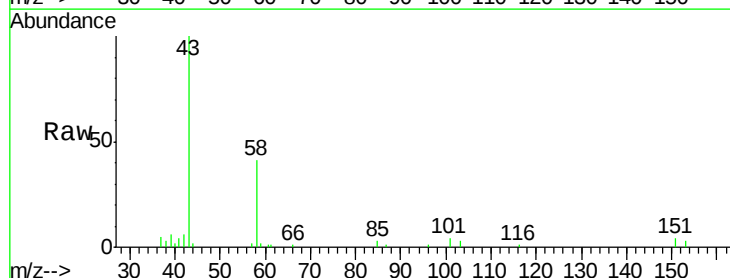
RT: 3.95 min Scan# 388

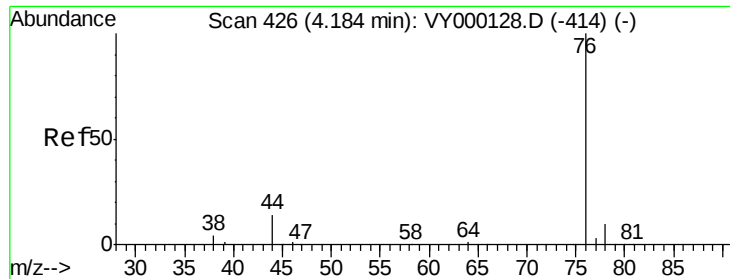
Delta R.T. 0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	43	Resp:	27199
Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.5	50.3





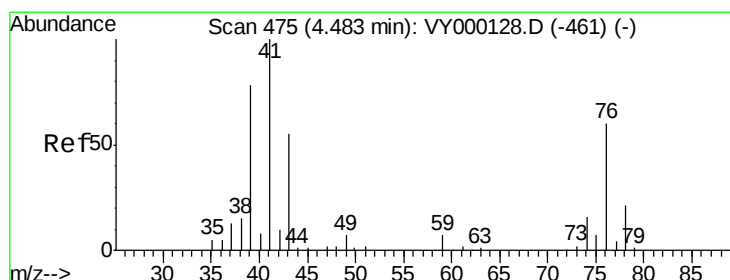
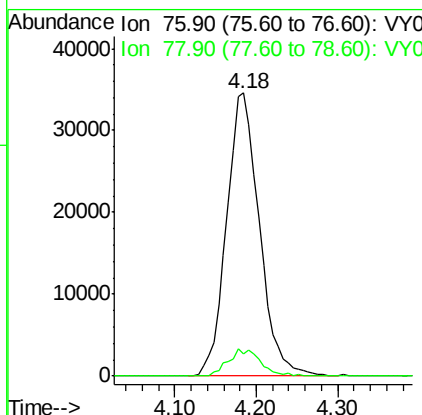
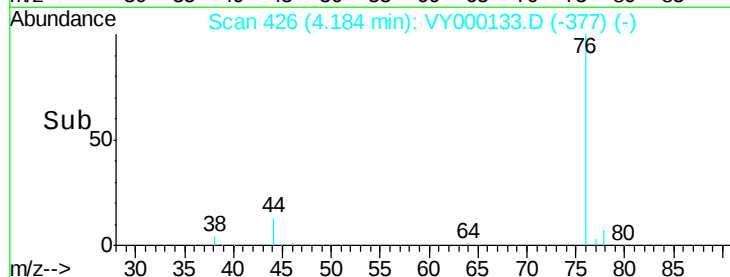
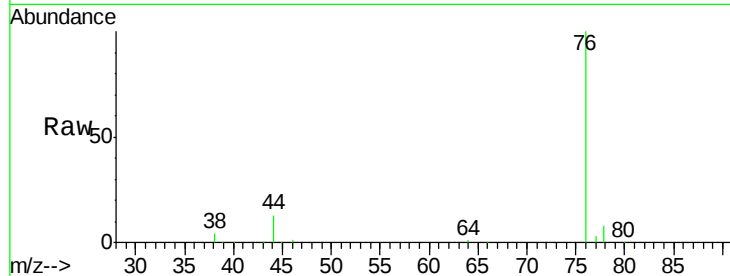
#17
Carbon Disulfide
Concen: 20.811 ug/l
RT: 4.18 min Scan# 426
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion: 76 Resp: 96220
Ion Ratio Lower Upper
76 100
78 7.7 7.9 11.9#

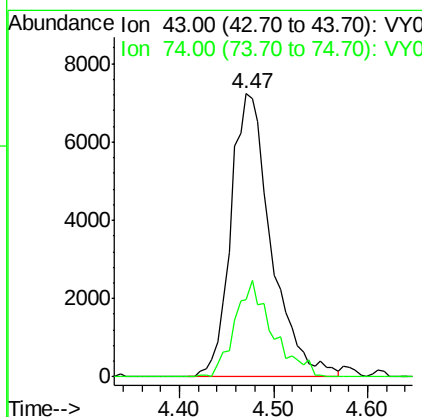
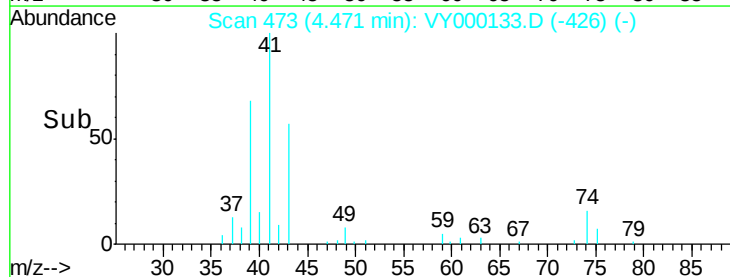
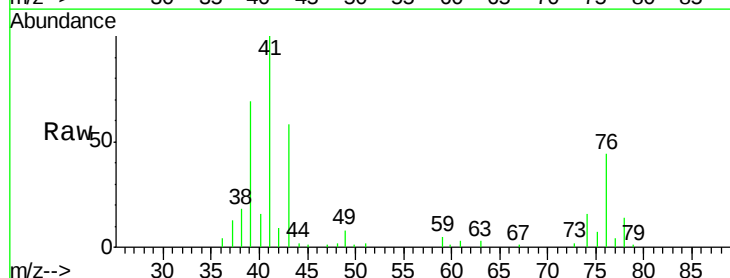
Manual Integrations
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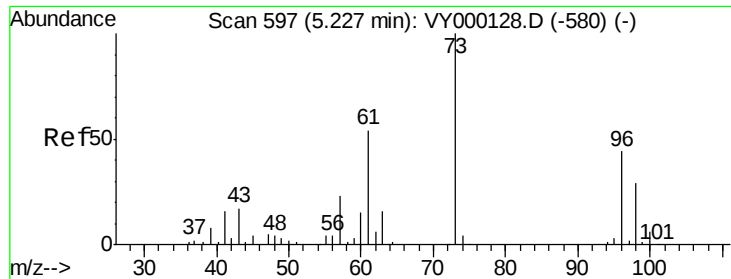
MMDadoda
9/25/2019 12:39:28 AM



#18
Methyl Acetate
Concen: 23.626 ug/l
RT: 4.47 min Scan# 473
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 43 Resp: 21580
Ion Ratio Lower Upper
43 100
74 31.8 22.7 34.1





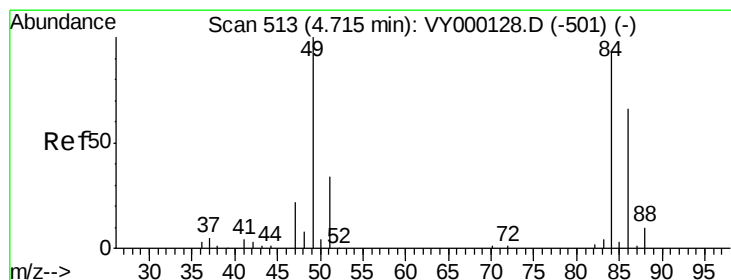
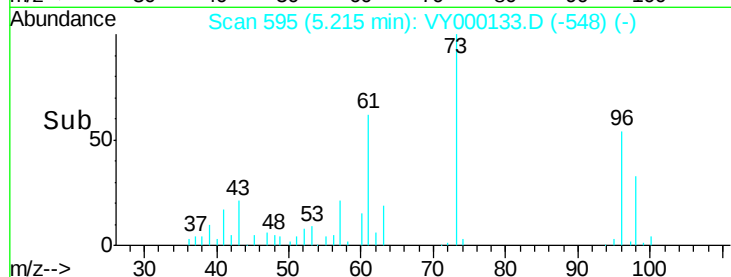
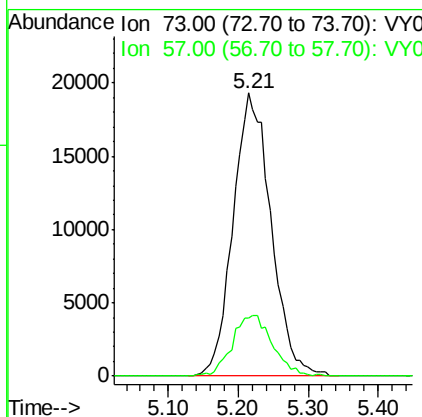
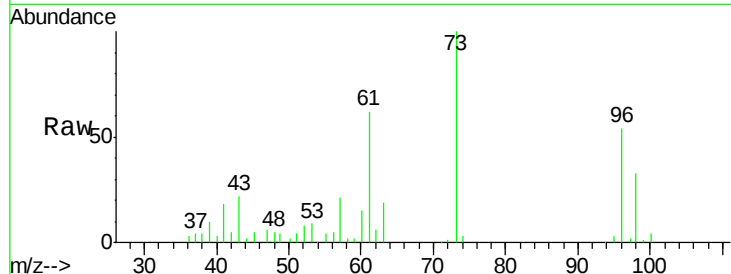
#19
Methvl tert-butvl Ether
Concen: 20.849 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion: 73 Resp: 72699
Ion Ratio Lower Upper
73 100
57 20.7 18.3 27.5

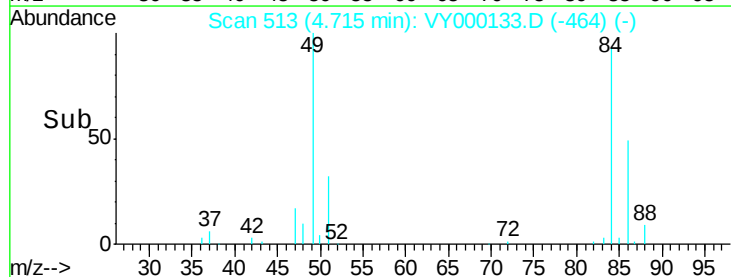
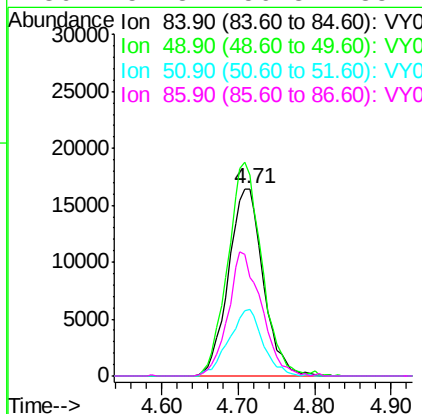
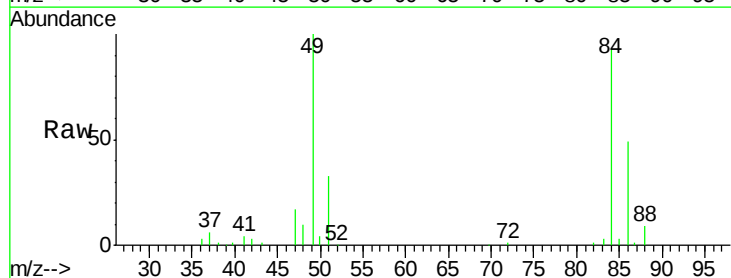
Manual Integrations
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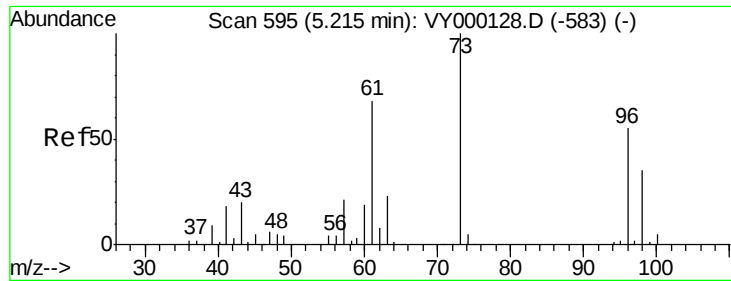
MMDadoda
9/25/2019 12:39:28 AM



#20
Methylene Chloride
Concen: 30.918 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 84 Resp: 51806
Ion Ratio Lower Upper
84 100
49 107.3 85.8 128.6
51 35.4 29.2 43.8
86 52.8 56.8 85.2#





#21

trans-1,2-Dichloroethene

Concen: 21.484 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

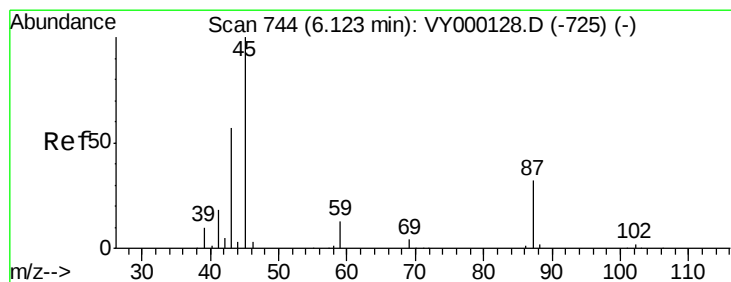
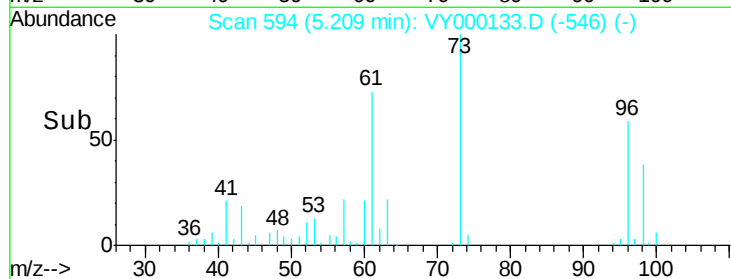
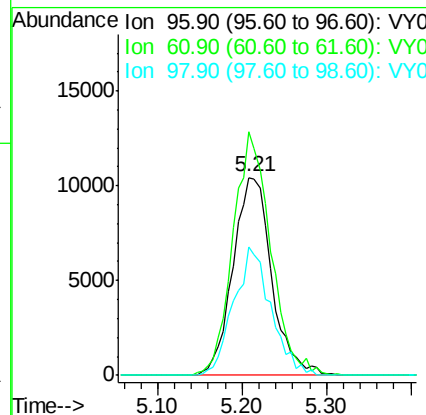
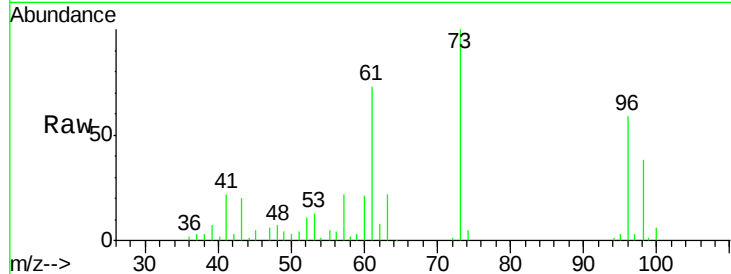
ClientSampleId :

VY0923SBS01

Tot Ion:	96	Resp:	32512
Ion	Ratio	Lower	Upper
96	100		
61	123.2	99.0	148.6
98	64.7	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.369 ug/l

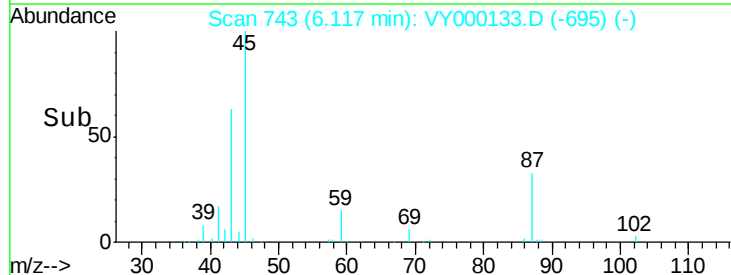
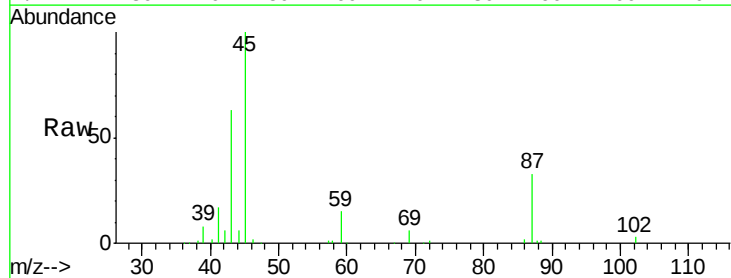
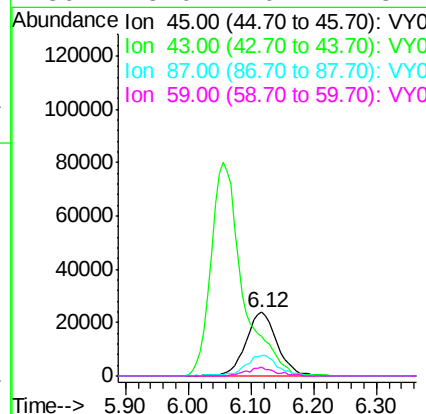
RT: 6.12 min Scan# 743

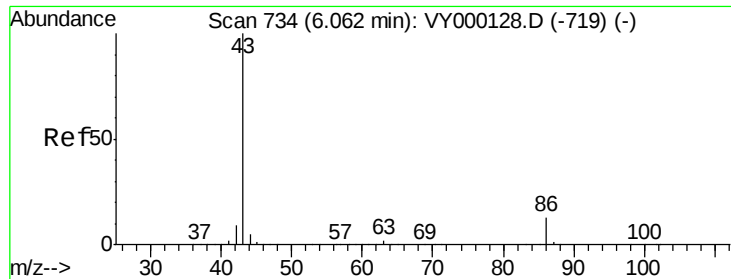
Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	45	Resp:	82263
Ion	Ratio	Lower	Upper
45	100		
43	62.9	48.2	72.4
87	33.1	25.9	38.9
59	15.0	10.2	15.2





#23

Vinyl Acetate

Concen: 102.975 ug/l

RT: 6.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 43 Resp: 277148

Ion Ratio Lower Upper

43 100

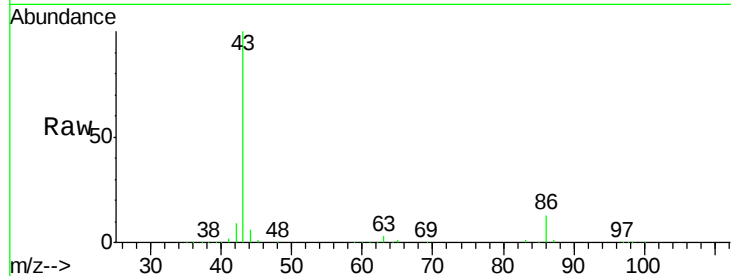
86 13.2 10.6 16.0

Manual Integrations

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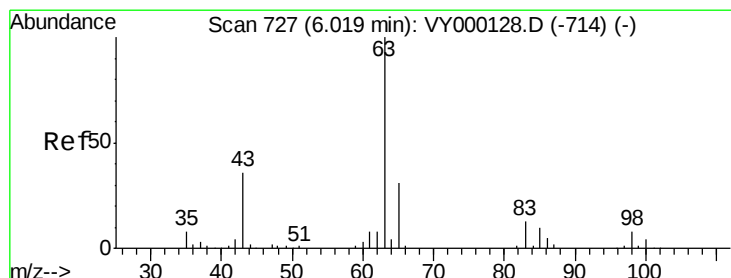
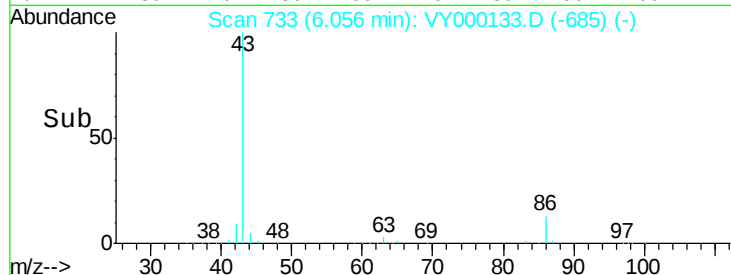
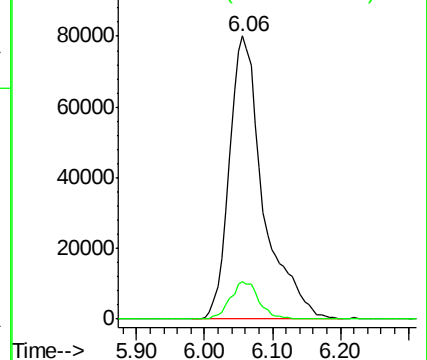
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.743 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

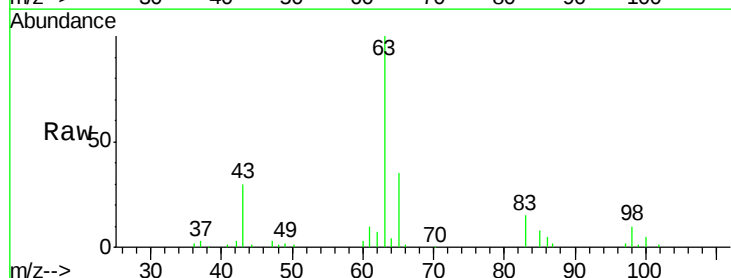
Tgt Ion: 63 Resp: 49905

Ion Ratio Lower Upper

63 100

98 9.6 3.9 11.7

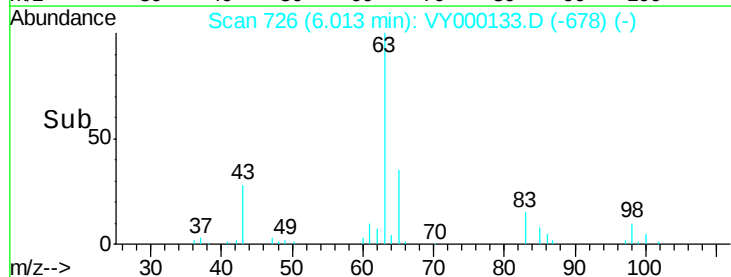
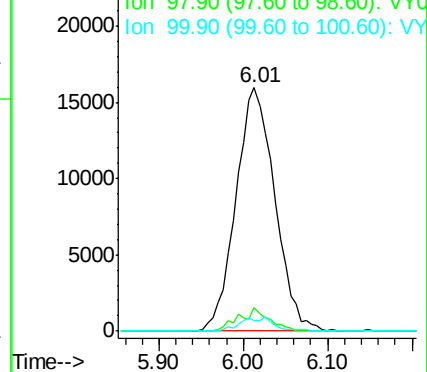
100 4.6 2.2 6.6

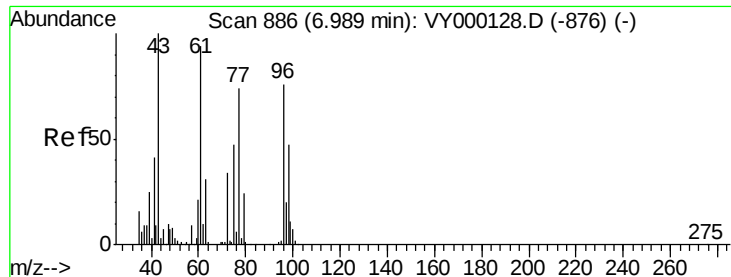


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 106.102 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 43 Resp: 49083

Ion Ratio Lower Upper

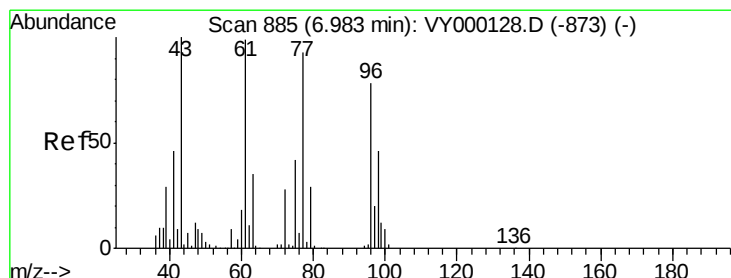
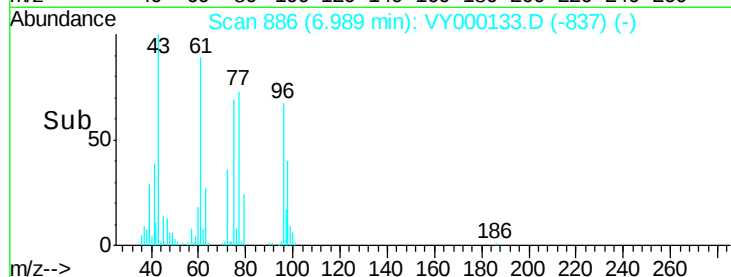
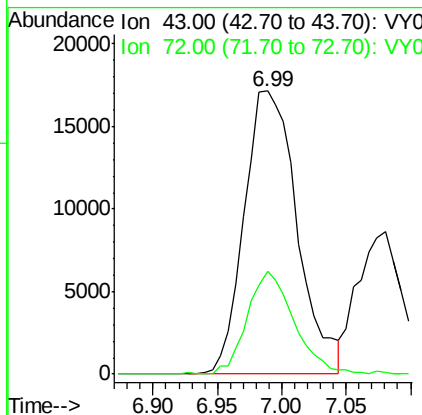
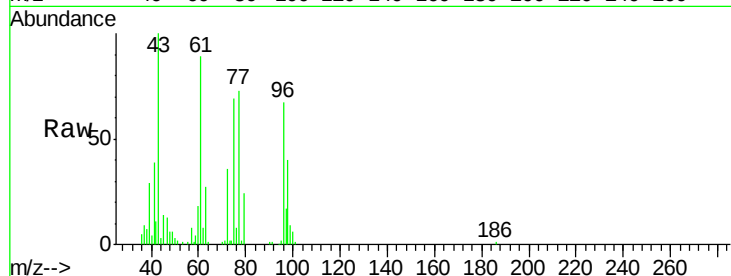
43 100

72 35.9 27.0 40.6

Manual Integrations
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9/25/2019 12:39:28 AM



#26

2,2-Dichloropropane

Concen: 19.457 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000133.D

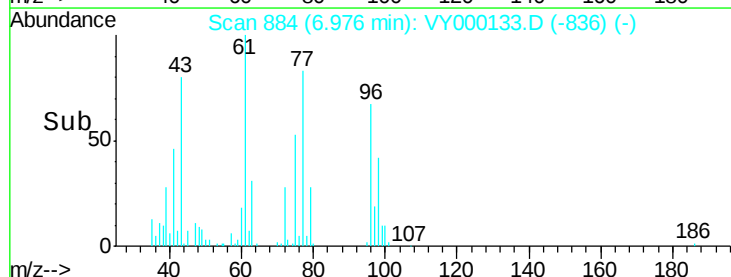
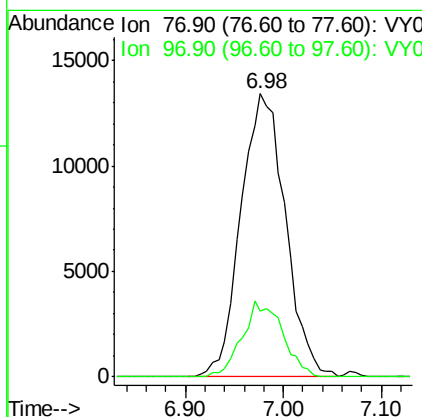
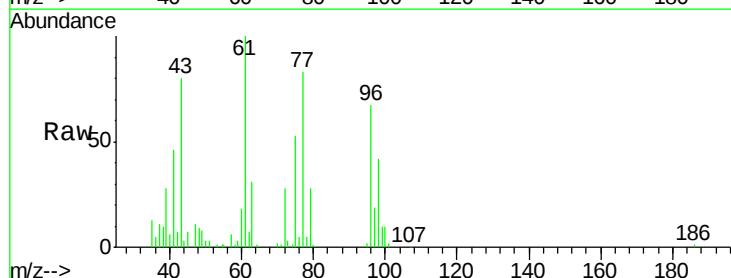
Acq: 23 Sep 2019 15:54

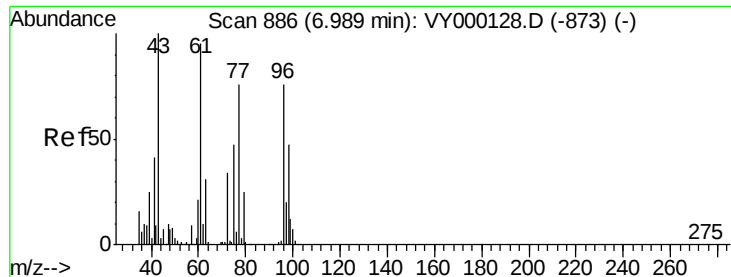
Tgt Ion: 77 Resp: 42421

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0





#27

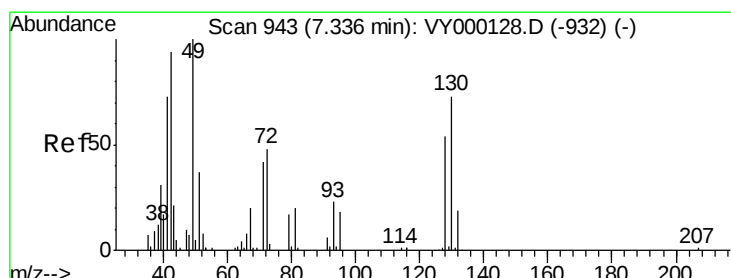
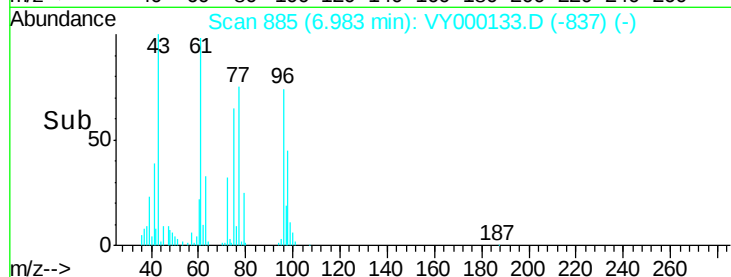
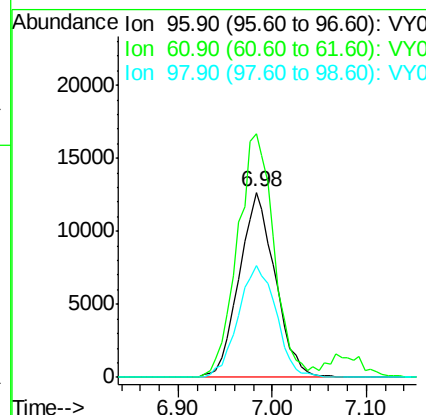
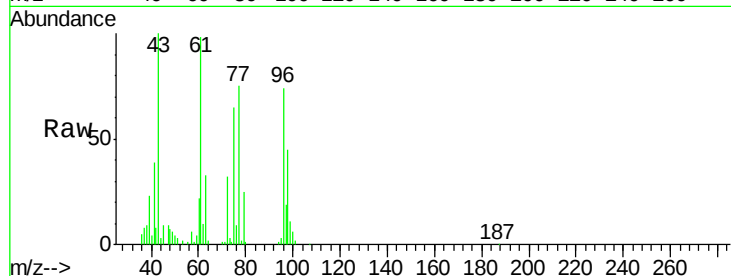
cis-1,2-Dichloroethene
Concen: 20.072 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	254.8
98	63.7	0.0	127.8

Manual Integrations
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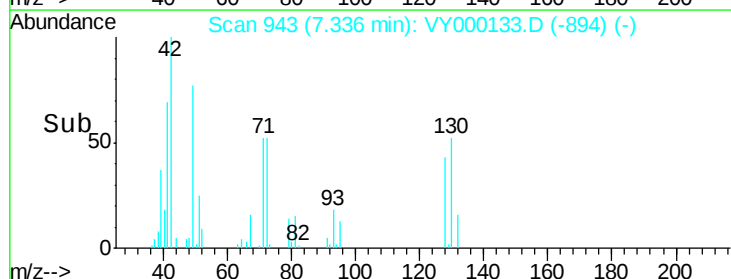
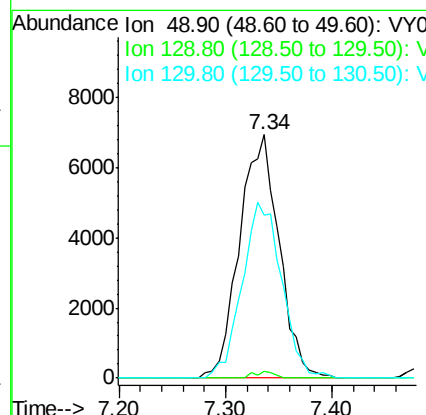
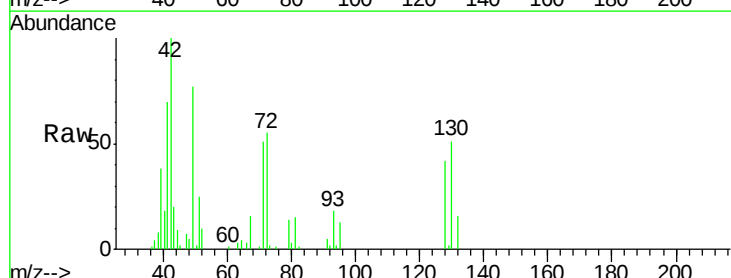
MMDadoda
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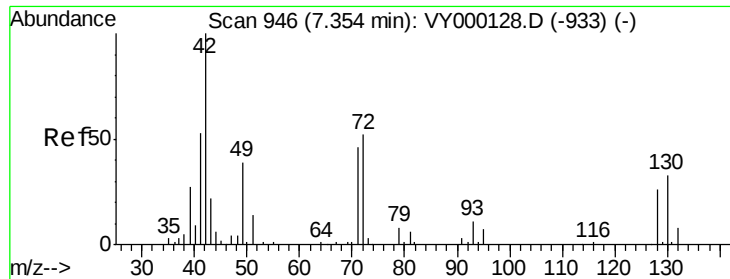


#28

Bromochloromethane
Concen: 19.293 ug/l
RT: 7.34 min Scan# 943
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	72.2	62.0	93.0





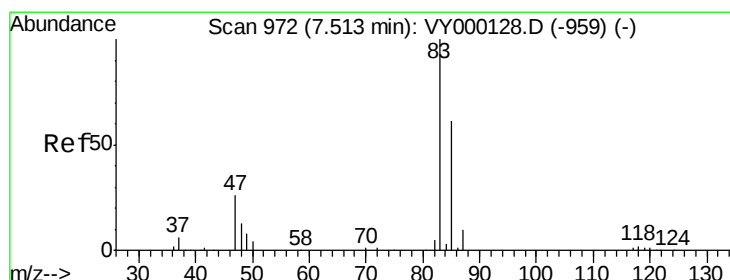
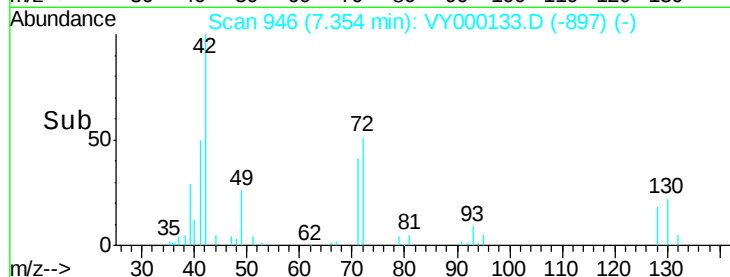
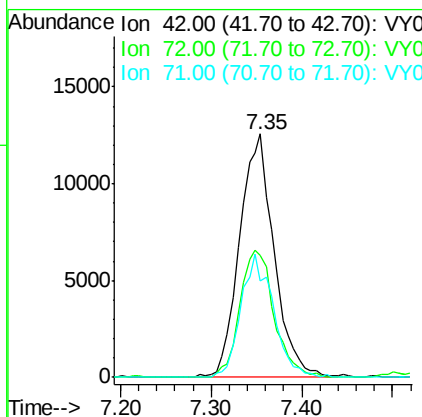
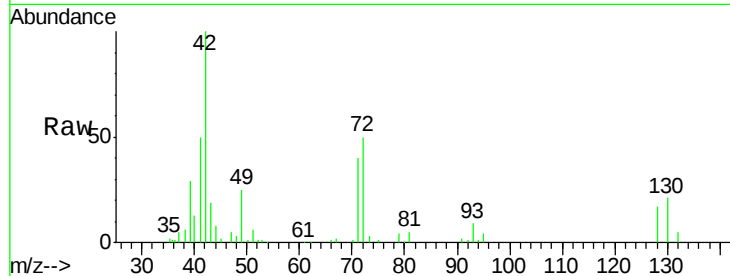
#29
Tetrahydrofuran
Concen: 105.679 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	41.8	62.8
71	47.7	38.6	58.0

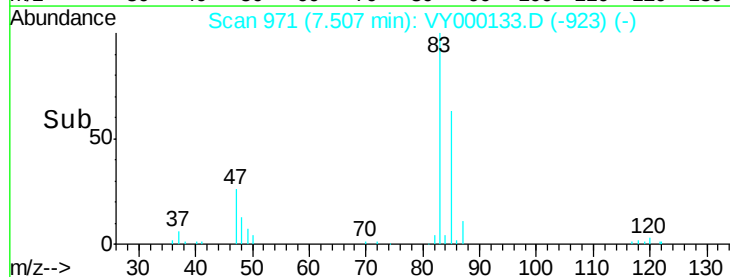
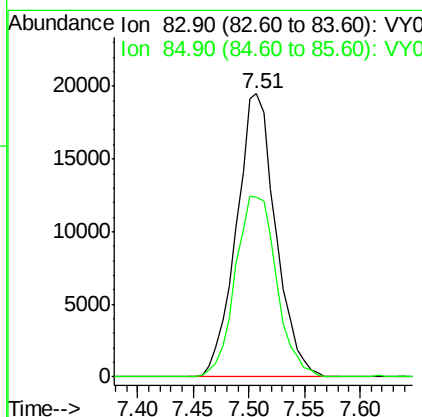
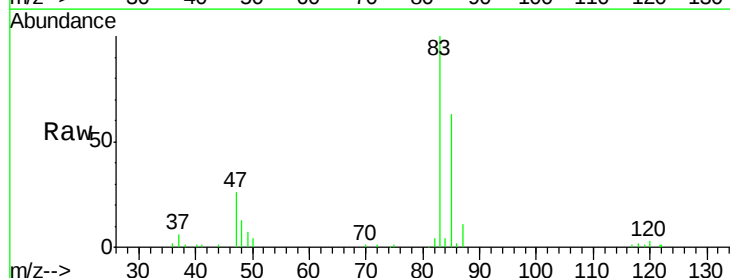
Manual Integrations
APPROVED

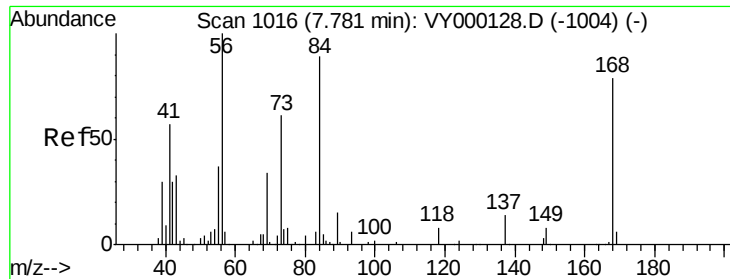
MMDadoda
9/25/2019 12:39:28 AM



#30
Chloroform
Concen: 19.745 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.0	73.6





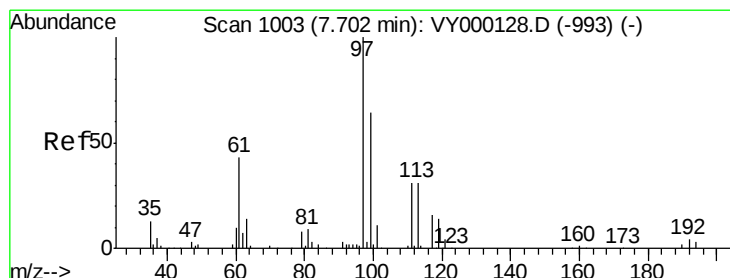
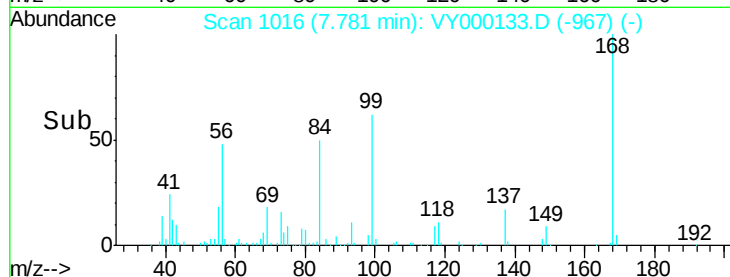
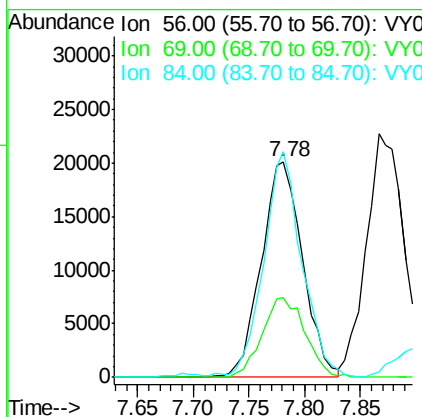
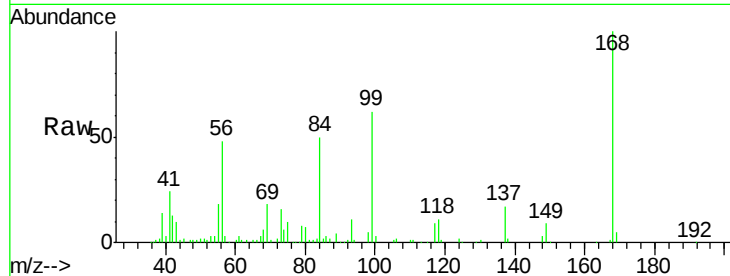
#31
Cyclohexane
Concen: 20.788 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	27.1	40.7
84	103.3	71.3	106.9

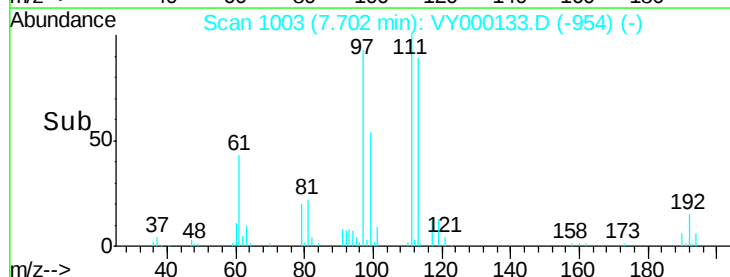
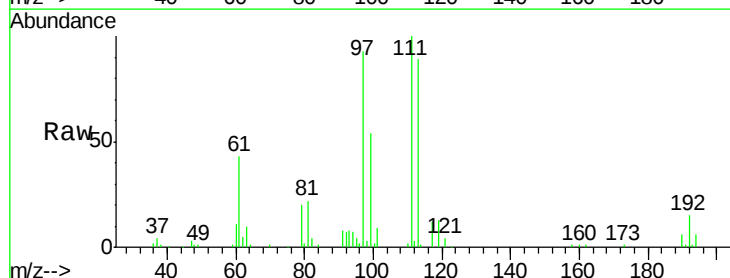
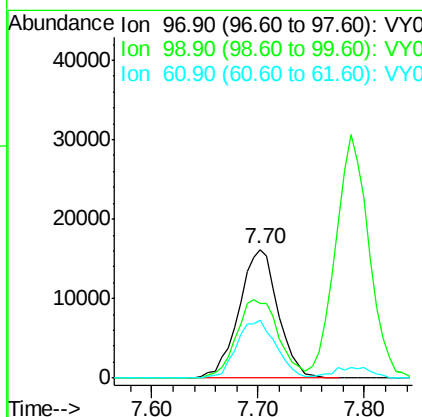
Manual Integrations
APPROVED

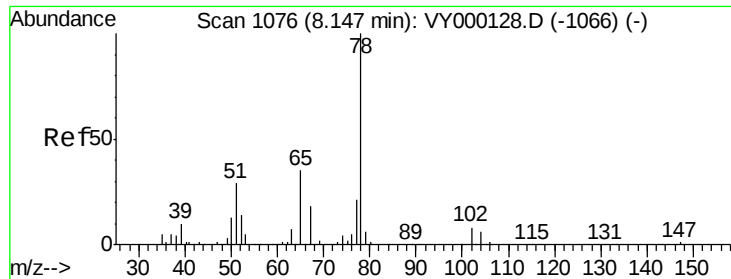
MMDadoda
9/25/2019 12:39:28 AM



#32
1,1,1-Trichloroethane
Concen: 20.834 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.3	76.9
61	45.4	36.0	54.0





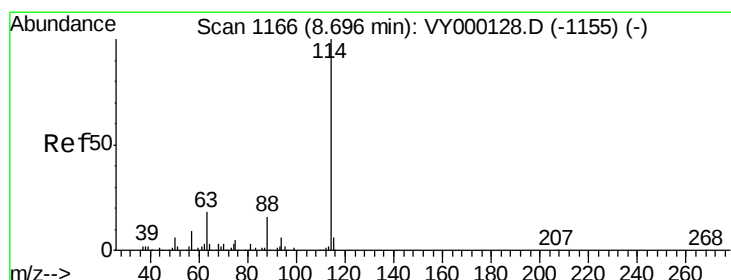
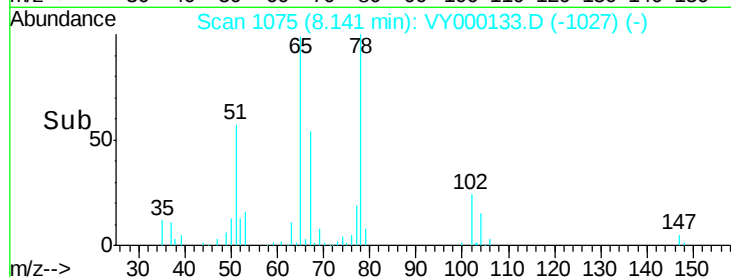
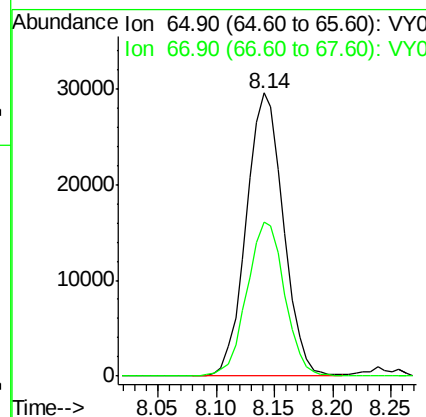
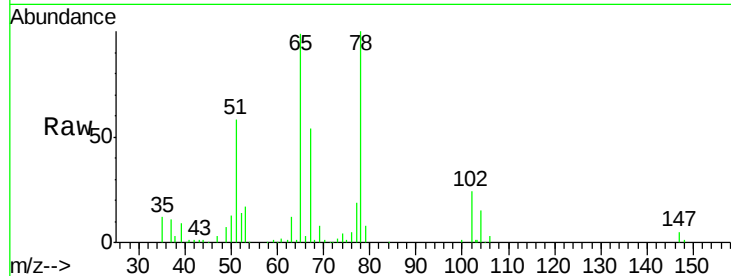
#33
 1,2-Dichloroethane-d4
 Concen: 51.111 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	65556		
67	55.0	0.0	109.6	

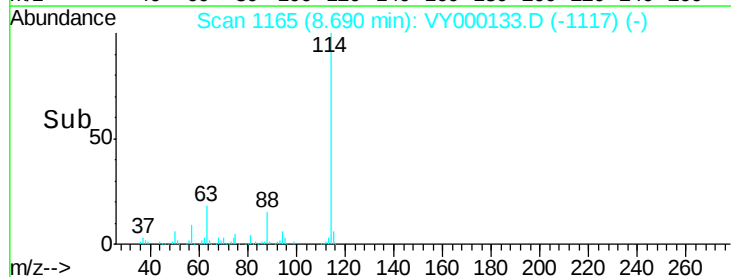
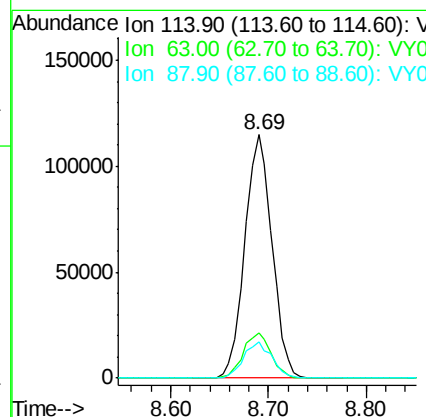
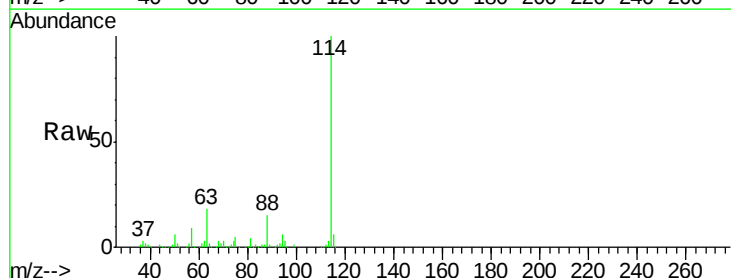
Manual Integrations
 APPROVED

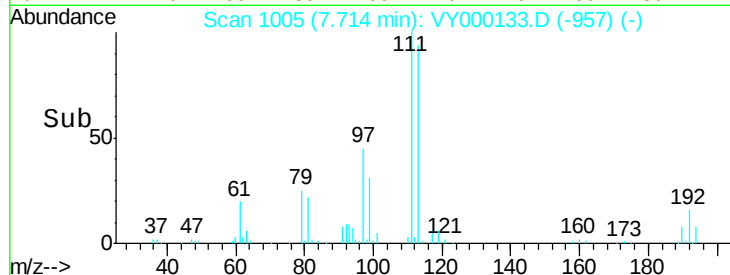
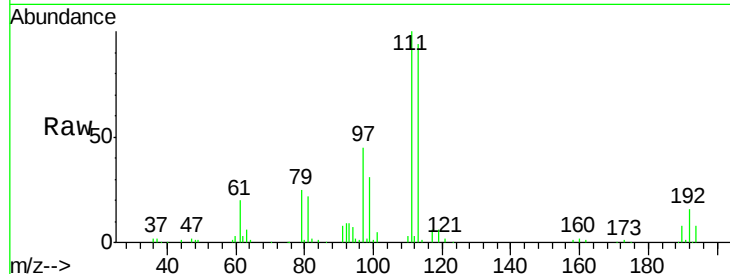
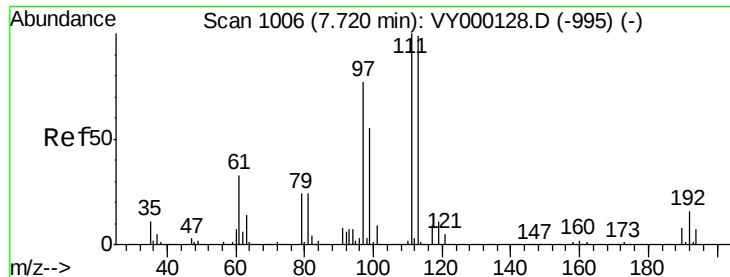
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 9/25/2019 12:39:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	221538		
63	18.3	0.0	35.6	
88	14.8	0.0	31.8	





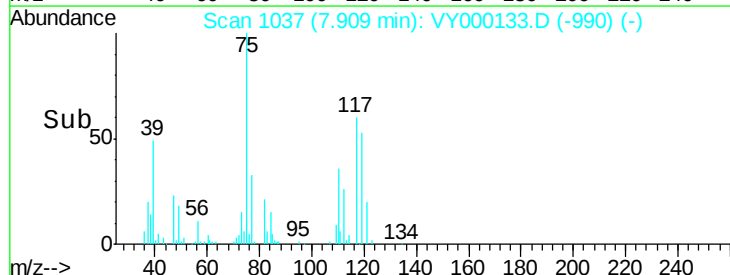
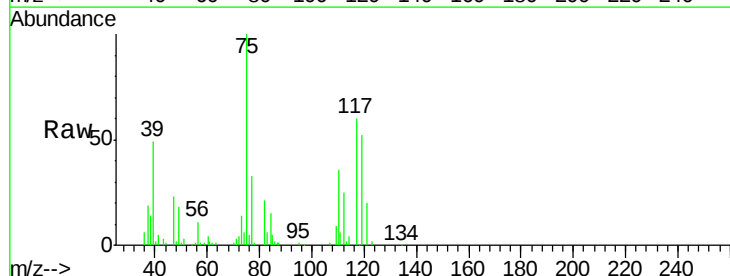
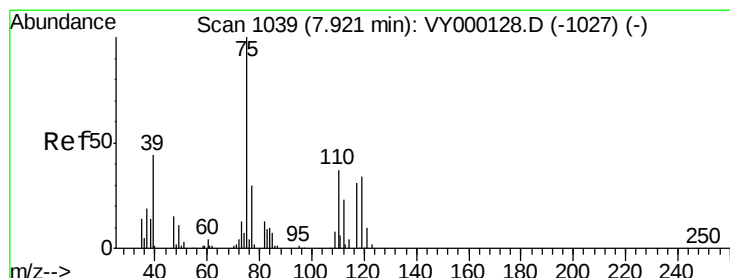
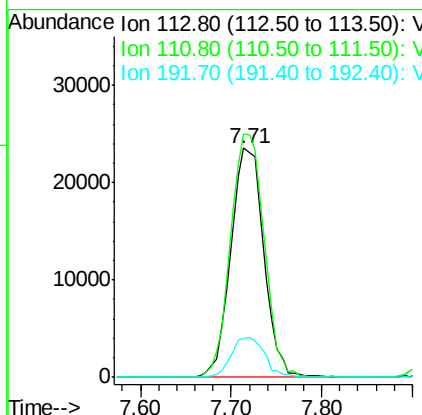
#35
Dibromofluoromethane
Concen: 46.945 ug/l
RT: 7.71 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	59717		
111	107.5		83.0	124.4
192	17.6		13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

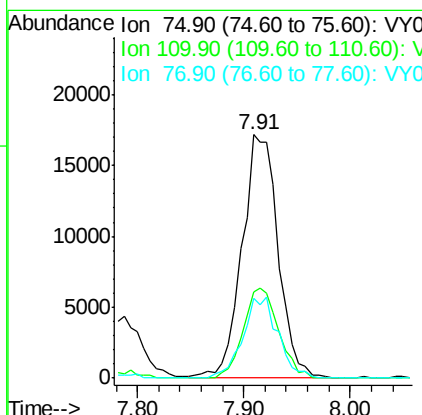
Manual Integrations
APPROVED

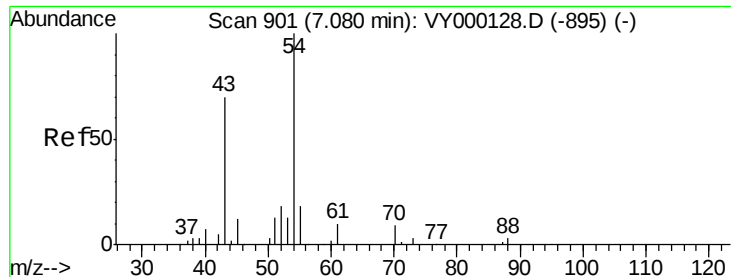
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9/25/2019 12:39:28 AM



#36
1,1-Dichloropropene
Concen: 19.977 ug/l
RT: 7.91 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40978		
110	36.0		19.1	57.3
77	32.3		24.7	37.1





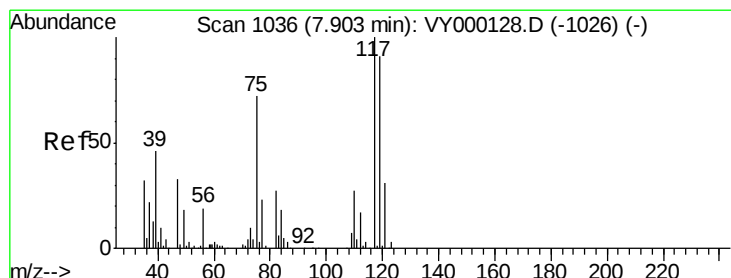
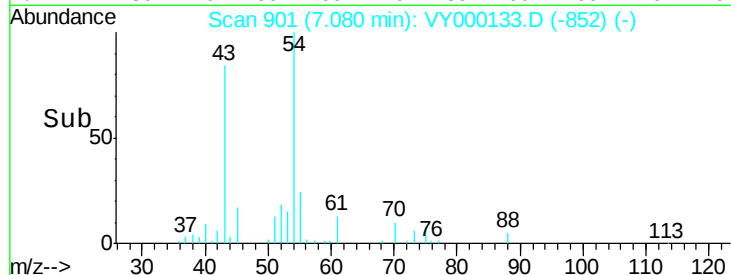
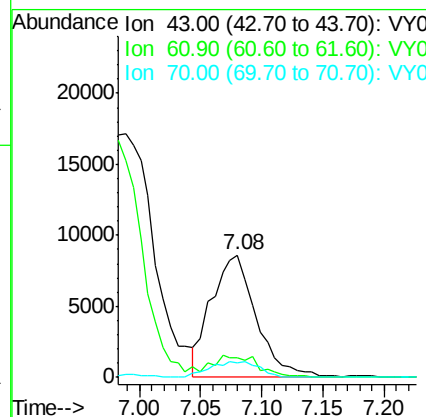
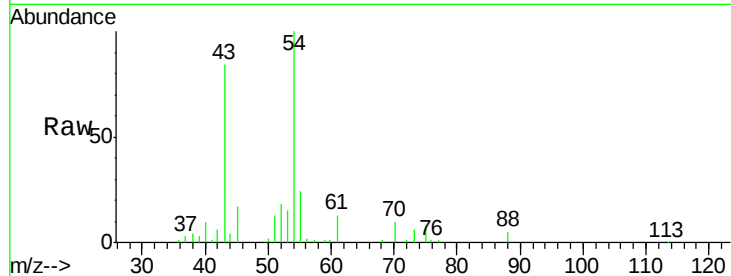
#37
Ethyl Acetate
Concen: 20.035 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	12.1	18.1
70	14.2	10.0	15.0

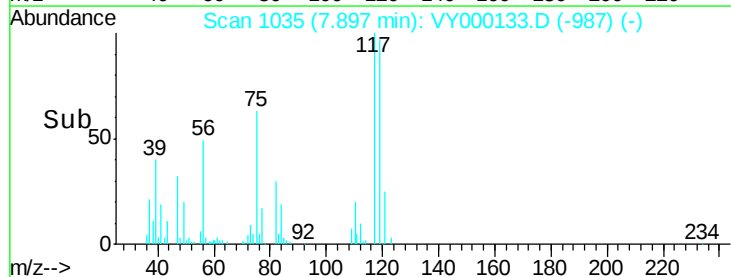
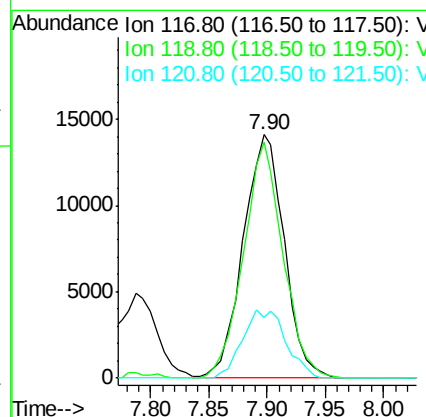
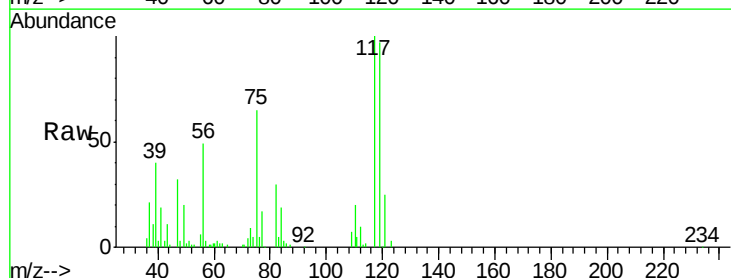
Manual Integrations
APPROVED

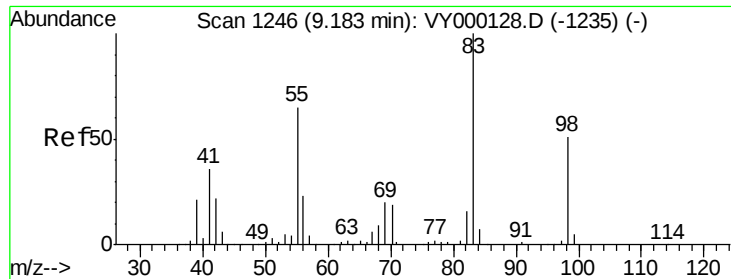
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#38
Carbon Tetrachloride
Concen: 19.694 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	72.6	108.8
121	25.1	24.3	36.5





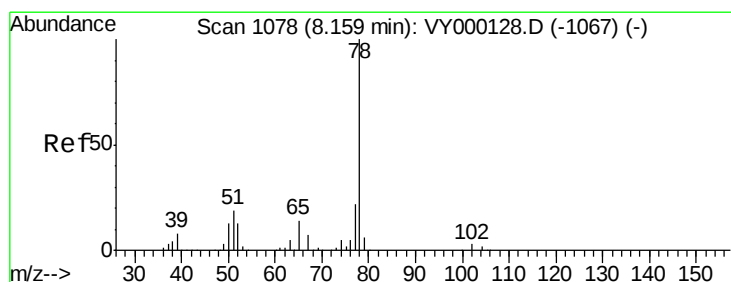
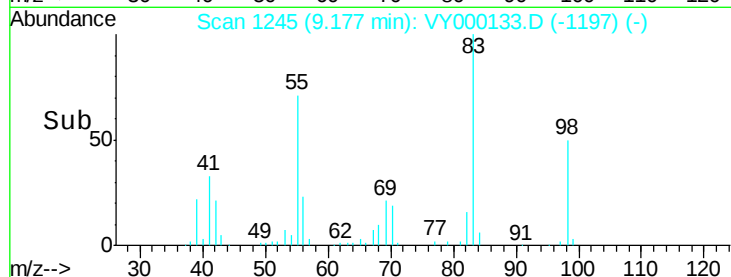
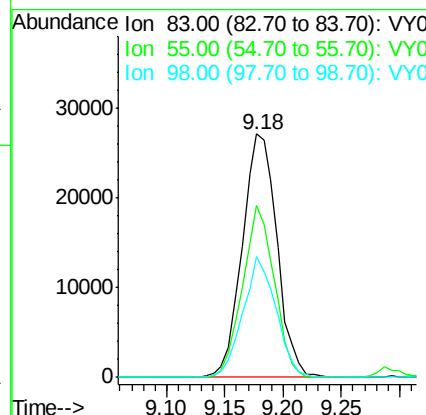
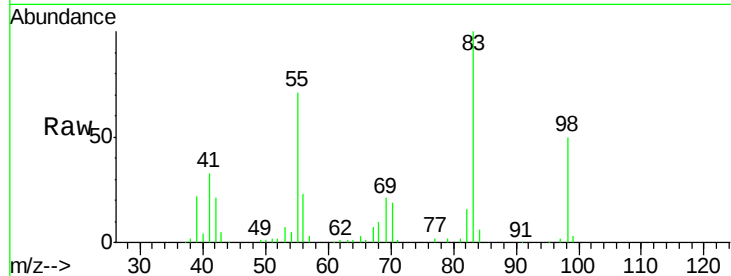
#39
Methvlcvclohexane
Concen: 20.022 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	83	Resp	56486
Ion Ratio	100	Lower	Upper
83	100		
55	70.7	52.3	78.5
98	49.6	40.6	61.0

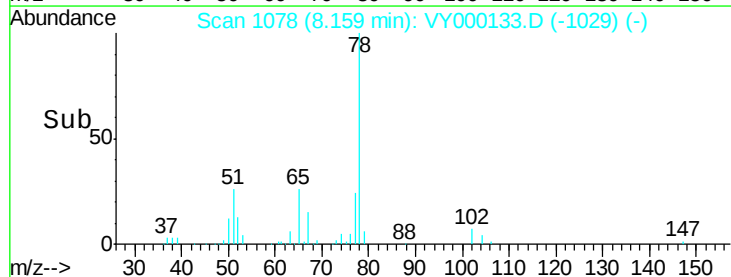
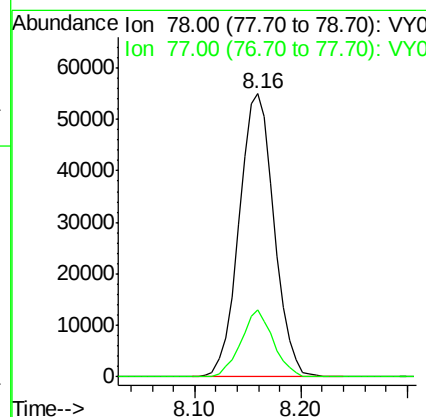
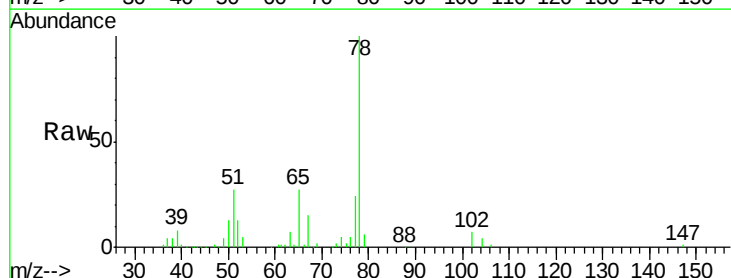
Manual Integrations
APPROVED

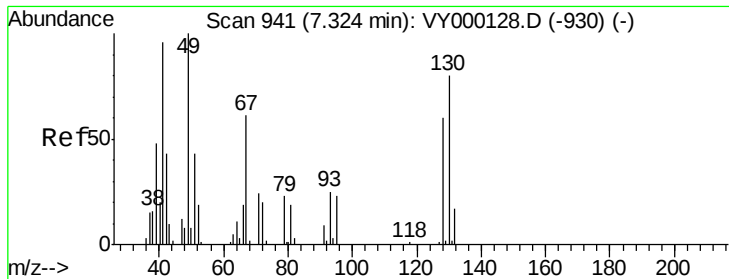
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#40
Benzene
Concen: 19.991 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	78	Resp	126560
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	17.9	26.9





#41

Methacrylonitrile

Concen: 21.337 ug/l m

RT: 7.32 min Scan# 940

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 41 Resp: 11380

Ion Ratio Lower Upper

41 100

39 72.0 53.4 80.0

67 0.0 0.0 0.0

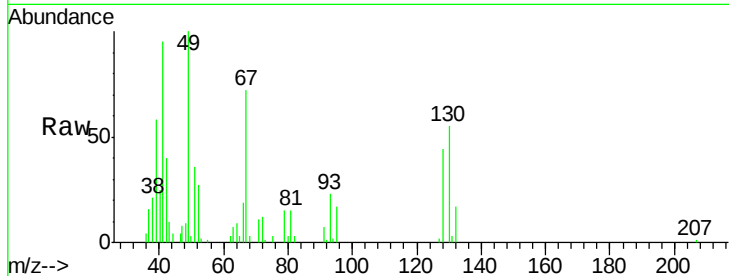
52 0.0 0.0 0.0

Manual Integrations

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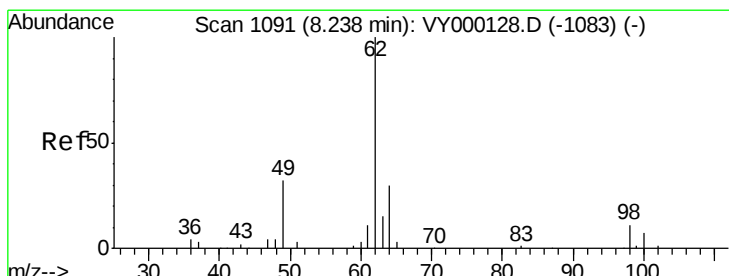
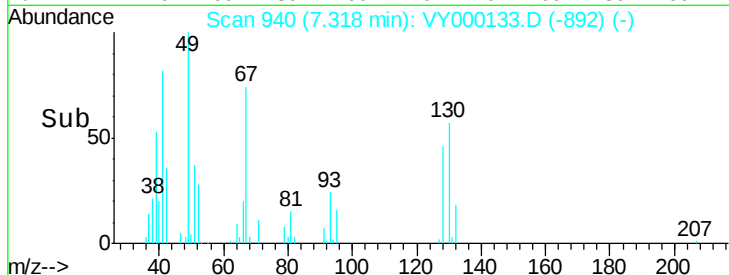
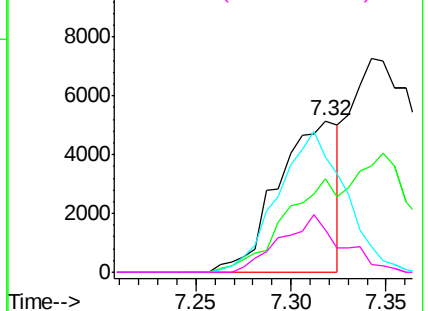


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 19.379 ug/l

RT: 8.23 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VY000133.D

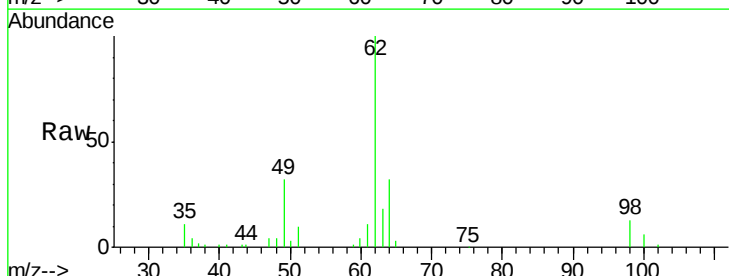
Acq: 23 Sep 2019 15:54

Tgt Ion: 62 Resp: 31286

Ion Ratio Lower Upper

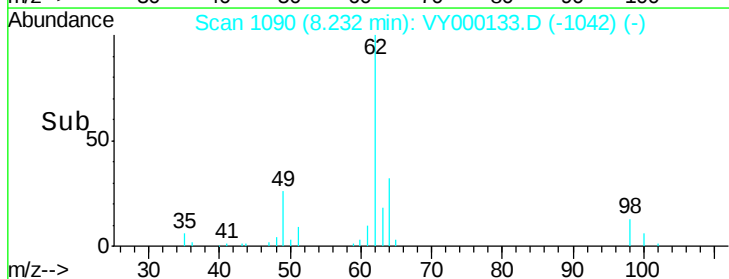
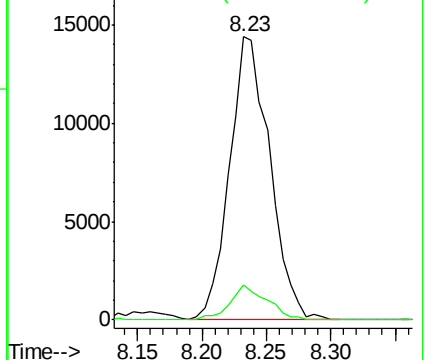
62 100

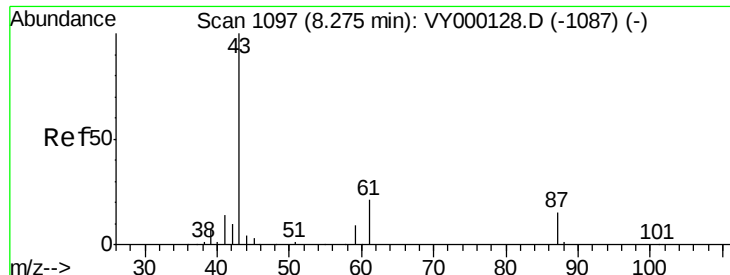
98 11.4 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.687 ug/l

RT: 8.28 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

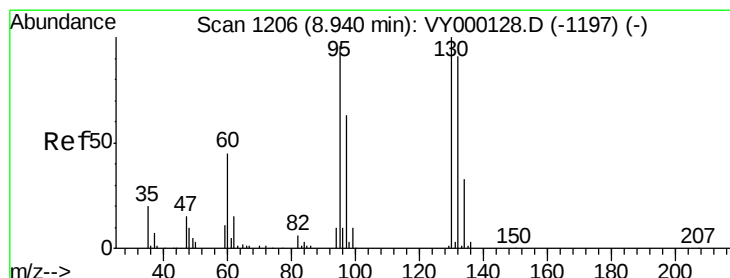
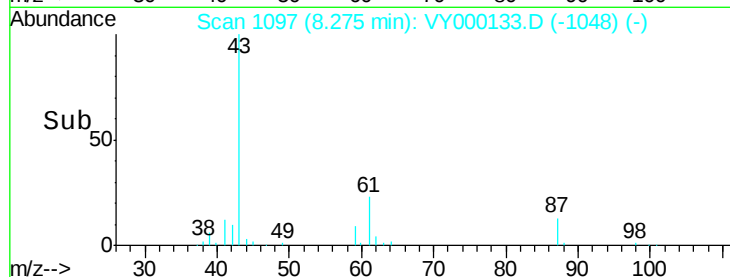
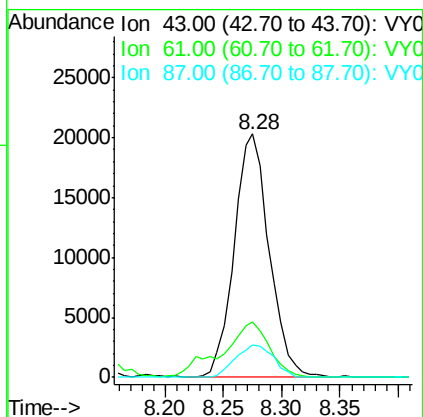
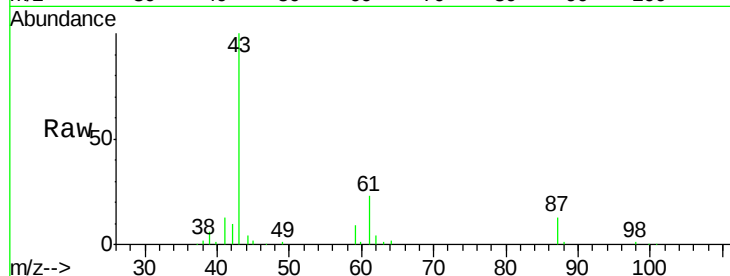
ClientSampleId :

VY0923SBS01

Tot Ion:	43	Resp:	42658
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	37.0
87	14.5	12.5	18.7

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#44

Trichloroethene

Concen: 19.482 ug/l

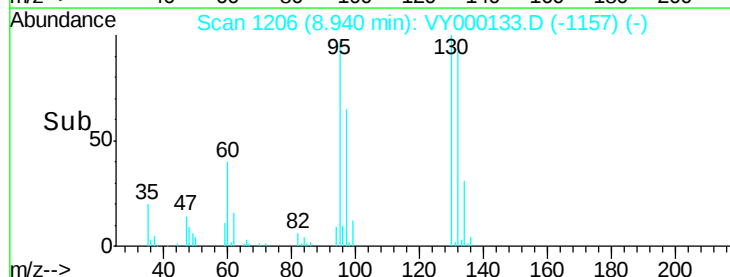
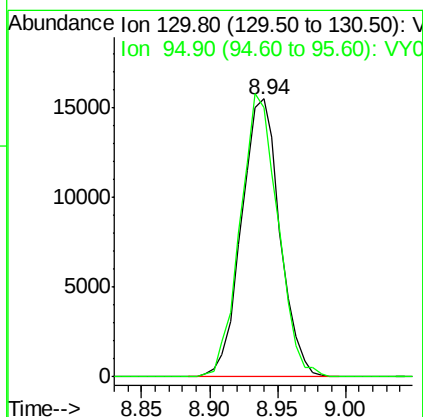
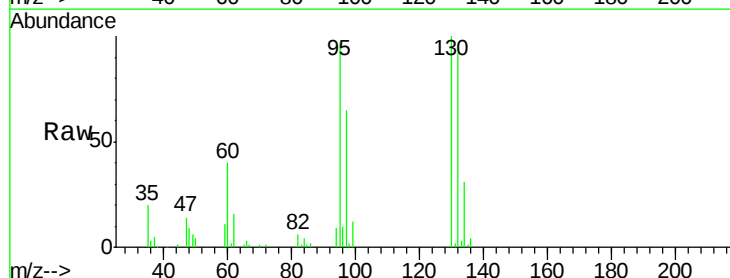
RT: 8.94 min Scan# 1206

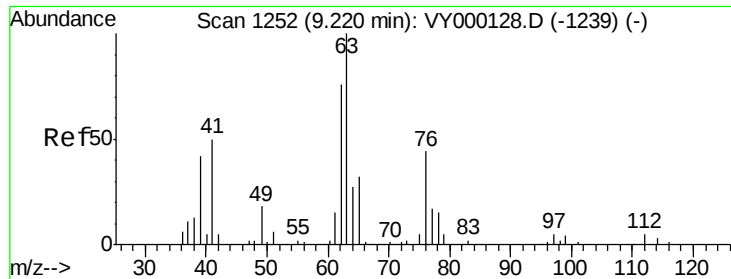
Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	130	Resp:	30625
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	192.0





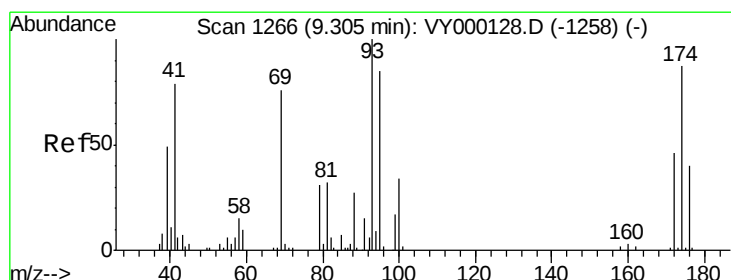
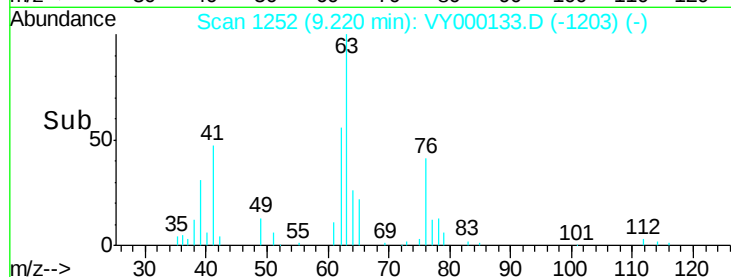
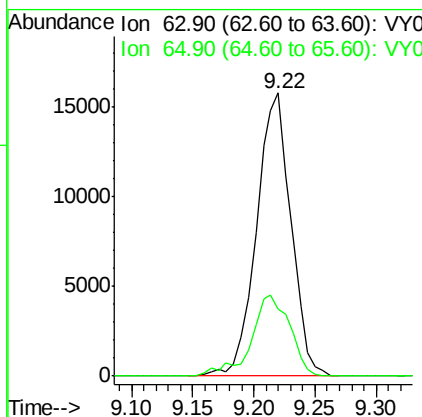
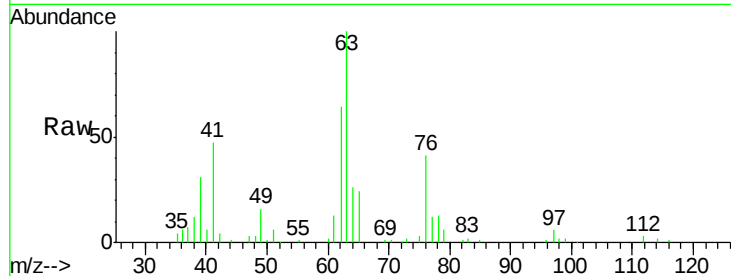
#45
 1,2-Dichloropropane
 Concen: 20.195 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion: 63 Resp: 30881
 Ion Ratio Lower Upper
 63 100
 65 23.5 25.4 38.2#

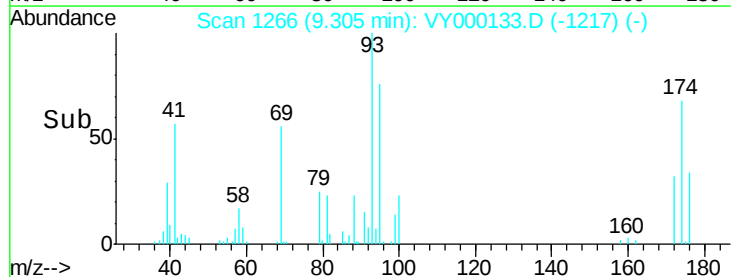
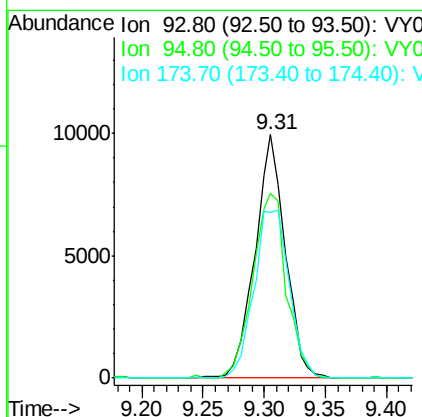
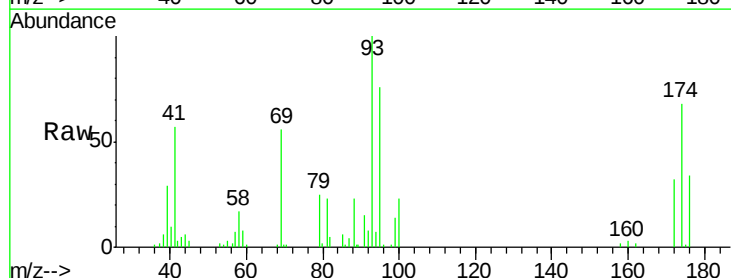
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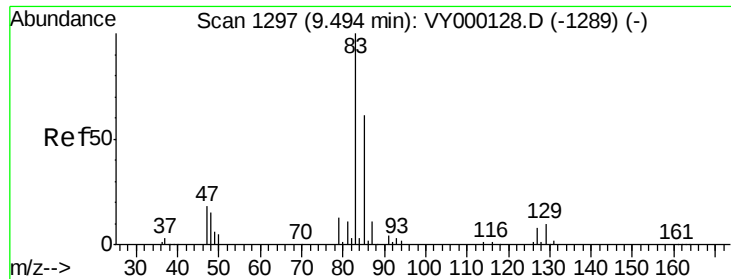
MMDadoda
 9/25/2019 12:39:28 AM



#46
 Dibromomethane
 Concen: 20.255 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 93 Resp: 17225
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.6 103.0
 174 80.3 69.4 104.0





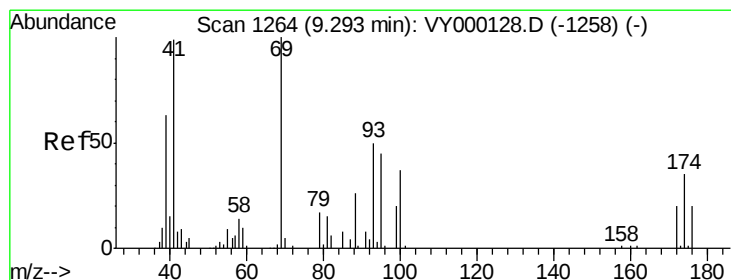
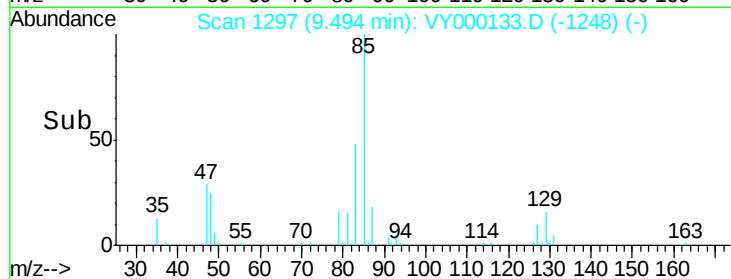
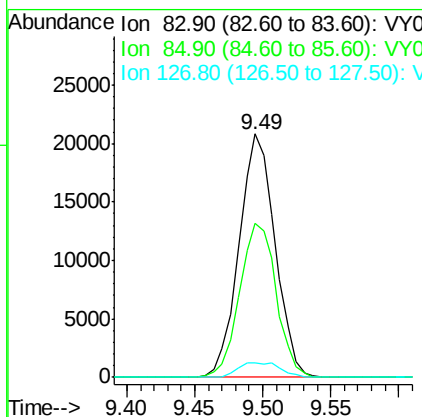
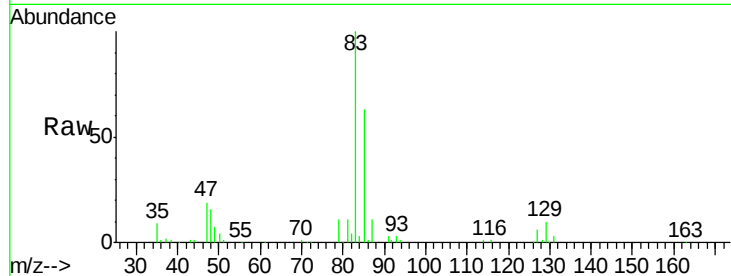
#47
 Bromodichloromethane
 Concen: 19.827 ug/l
 RT: 9.49 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	48.6	73.0	
127	6.2	6.2	9.4#	

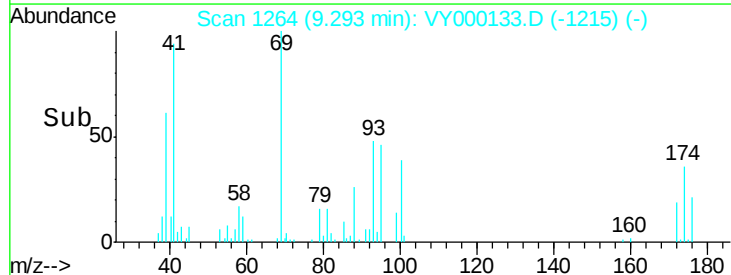
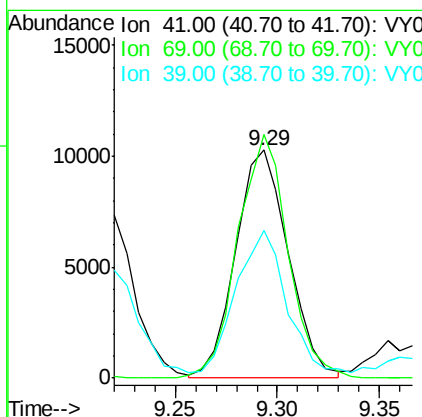
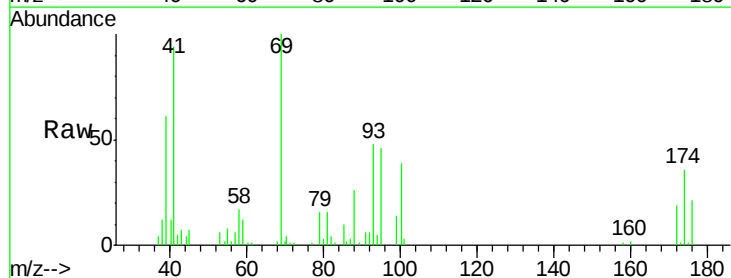
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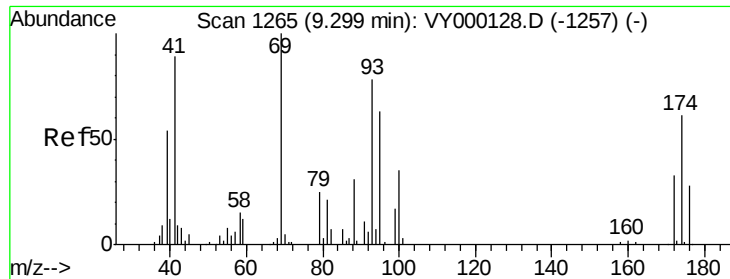
MMDadoda
 9/25/2019 12:39:28 AM



#48
 Methyl methacrylate
 Concen: 19.930 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	101.8	81.0	121.6	
39	65.0	53.2	79.8	





#49

1,4-Dioxane

Concen: 446.464 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

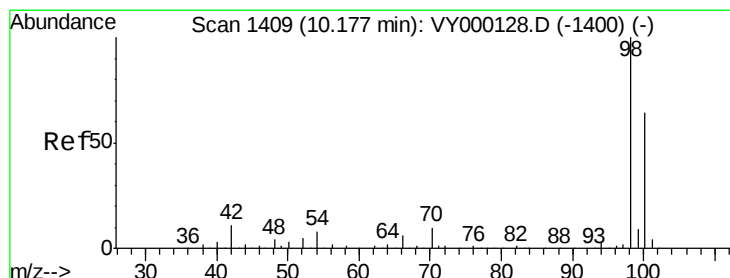
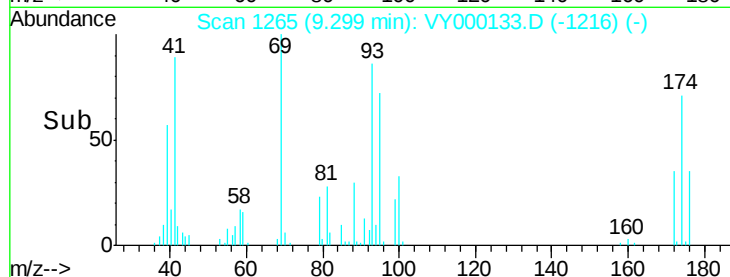
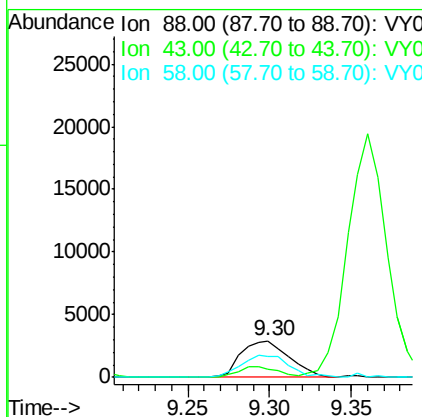
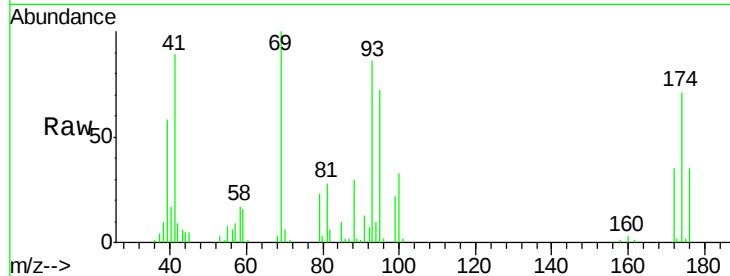
ClientSampleId :

VY0923SBS01

Tot Ion:	88	Resp:	5994
Ion	Ratio	Lower	Upper
88	100		
43	24.9	22.6	33.8
58	61.2	42.5	63.7

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#50

Toluene-d8

Concen: 50.068 ug/l

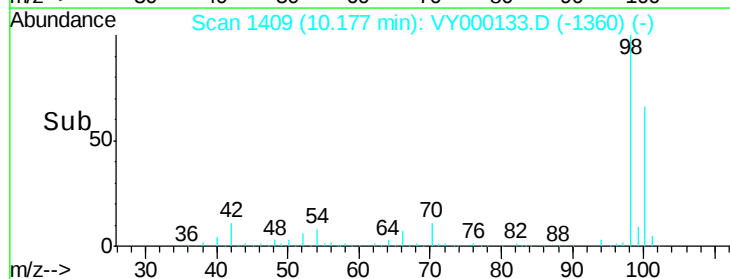
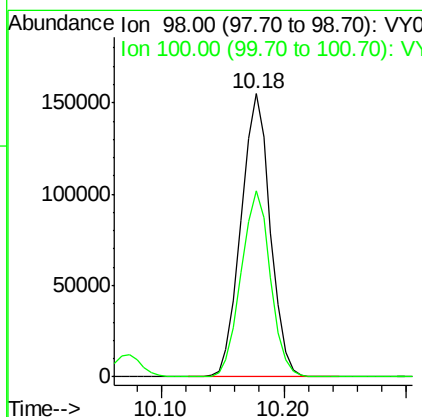
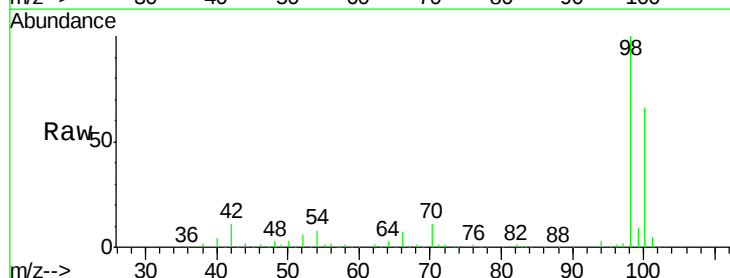
RT: 10.18 min Scan# 1409

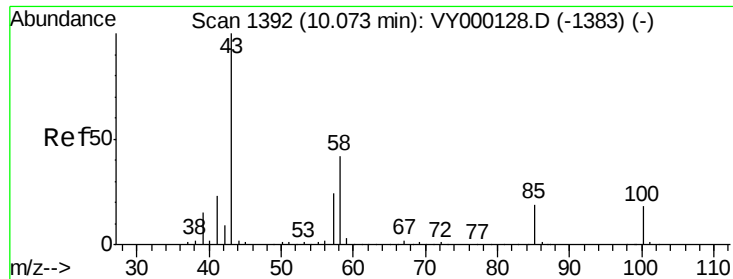
Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	98	Resp:	256394
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 104.258 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 43 Resp: 115115

Ion Ratio Lower Upper

43 100

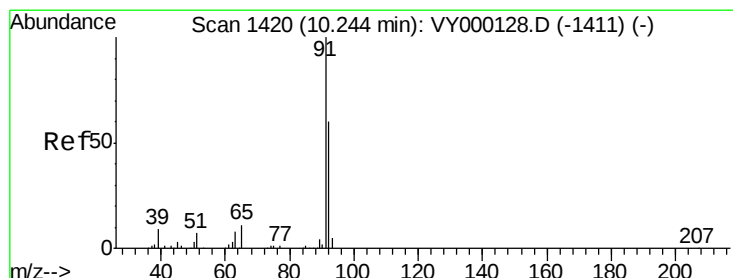
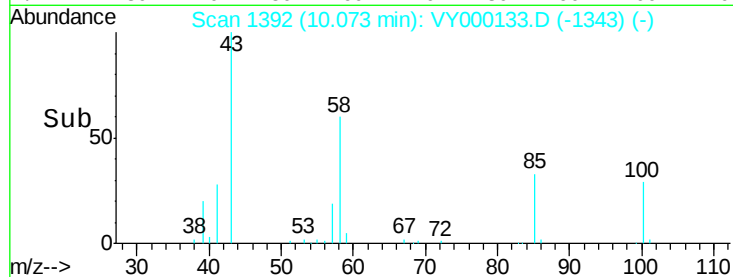
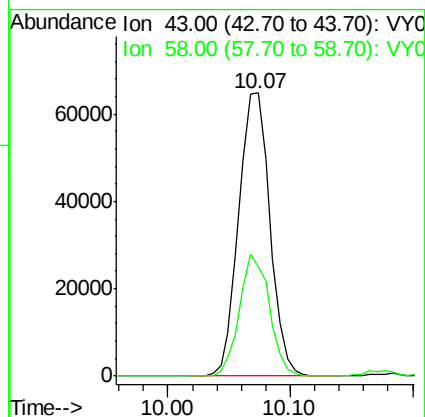
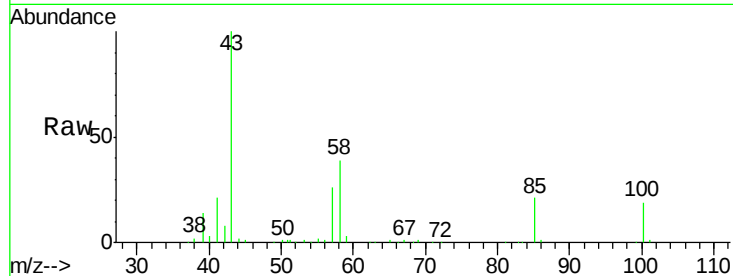
58 41.2 33.0 49.6

Manual Integrations

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#52

Toluene

Concen: 20.063 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VY000133.D

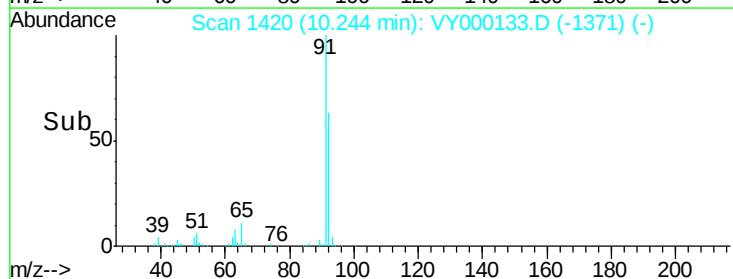
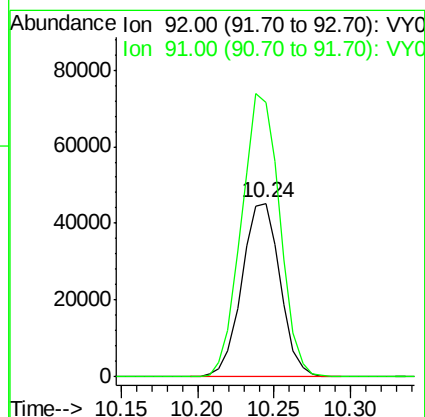
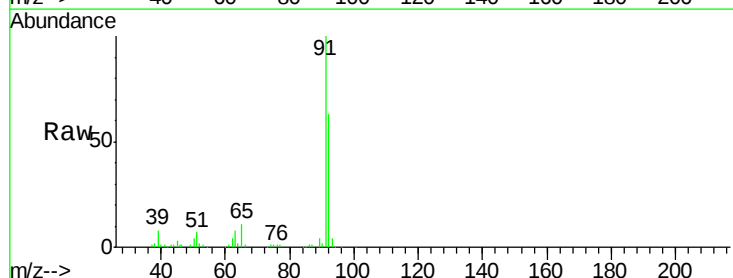
Acq: 23 Sep 2019 15:54

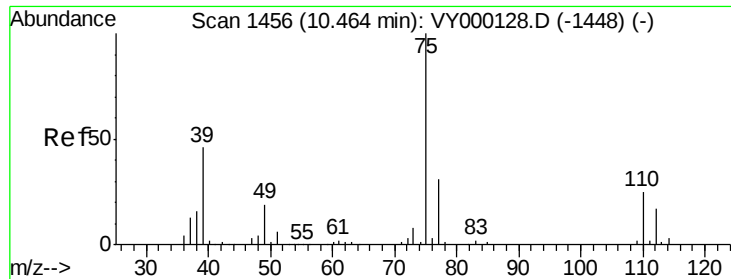
Tgt Ion: 92 Resp: 78488

Ion Ratio Lower Upper

92 100

91 163.7 135.7 203.5





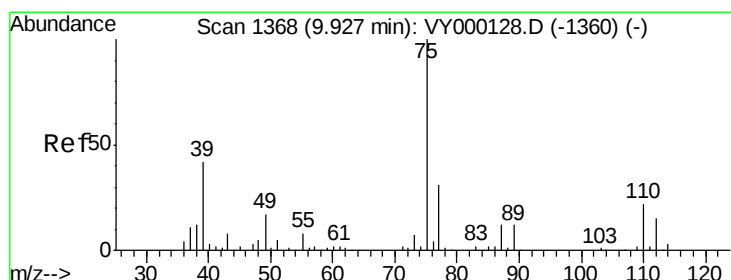
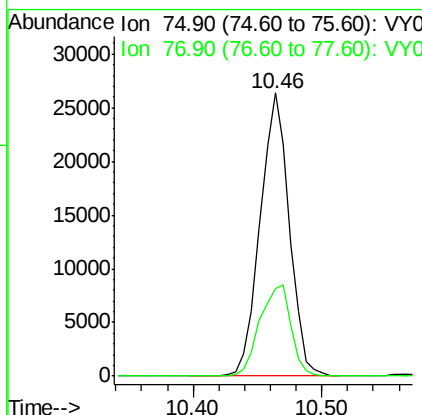
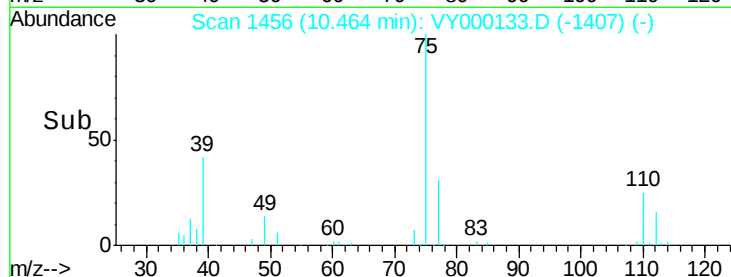
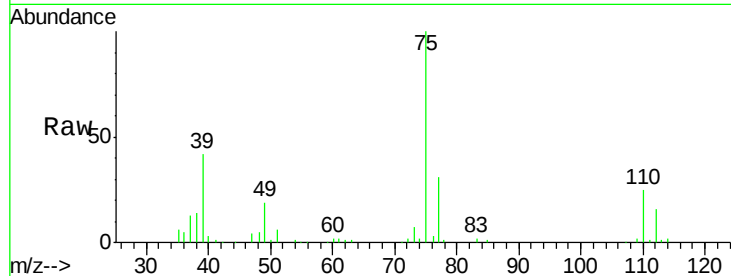
#53
t-1,3-Dichloropropene
Concen: 19.367 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion: 75 Resp: 41122
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3

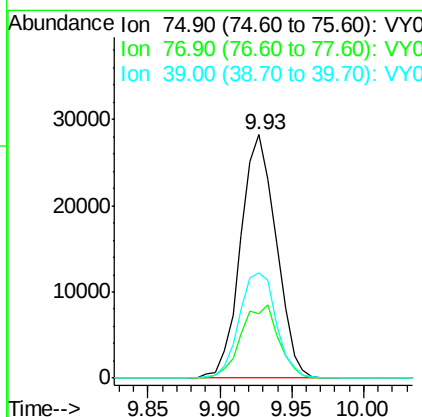
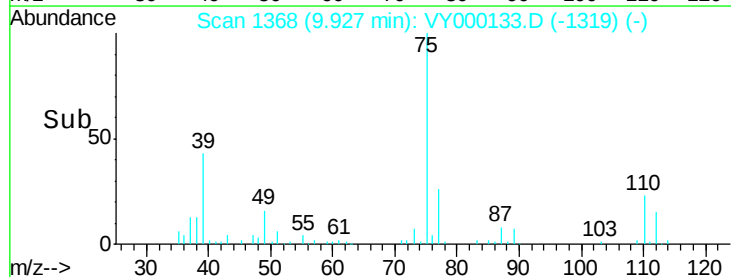
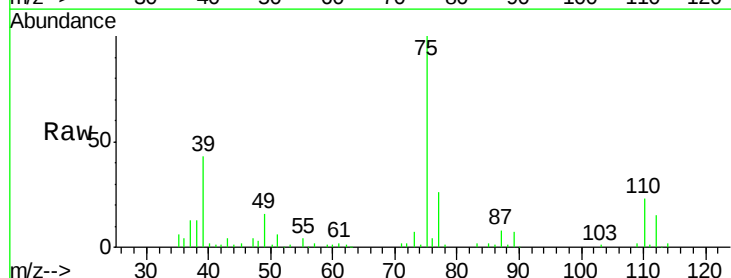
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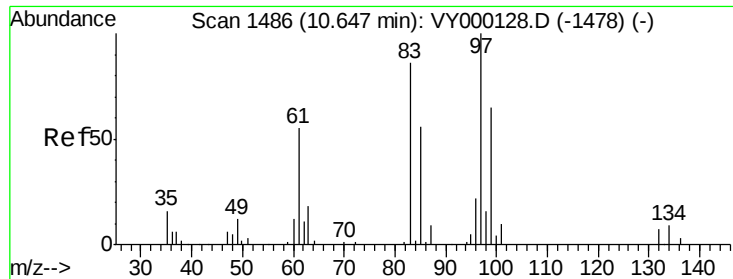
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#54
cis-1,3-Dichloropropene
Concen: 19.642 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 75 Resp: 48353
Ion Ratio Lower Upper
75 100
77 26.2 24.6 37.0
39 43.2 33.8 50.6





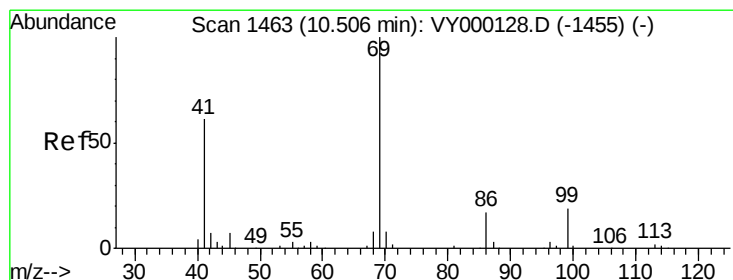
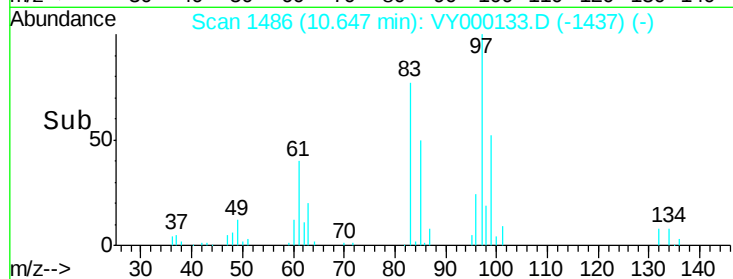
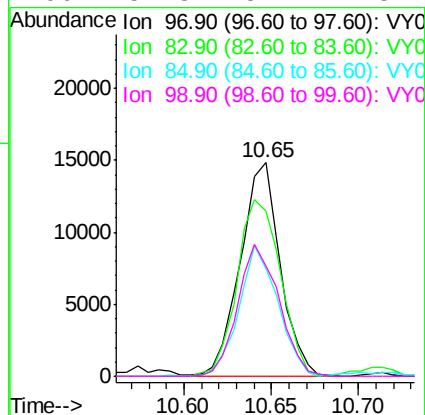
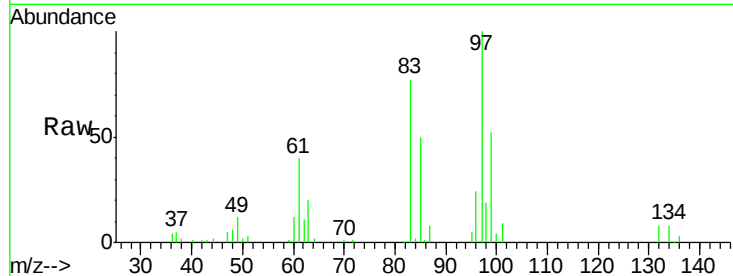
#55
 1,1,2-Trichloroethane
 Concen: 19.324 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.4	68.8	103.2
85	50.2	44.9	67.3
99	51.8	52.1	78.1#

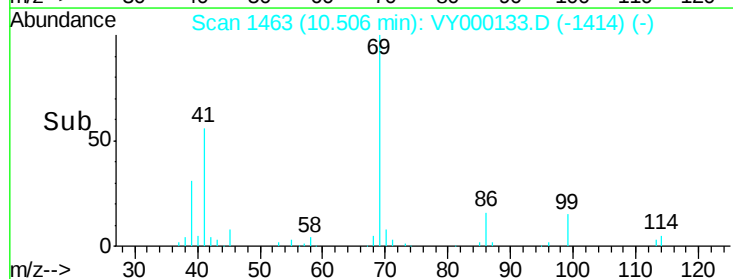
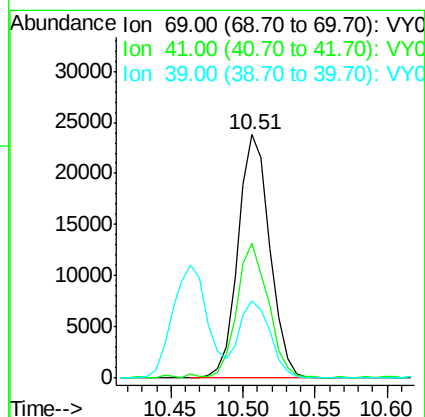
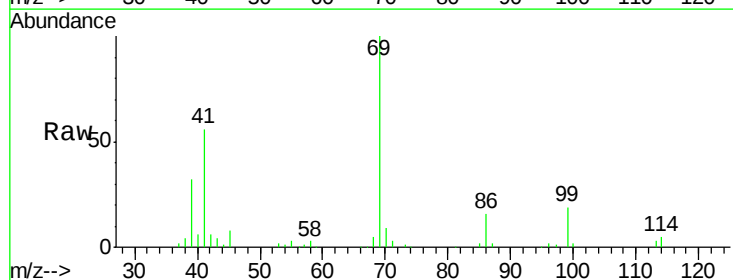
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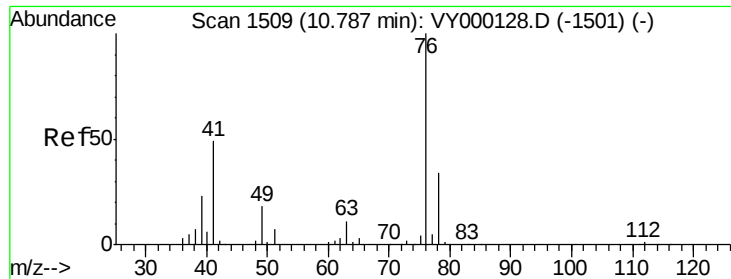
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.222 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.4	47.9	71.9
39	30.9	27.4	41.0





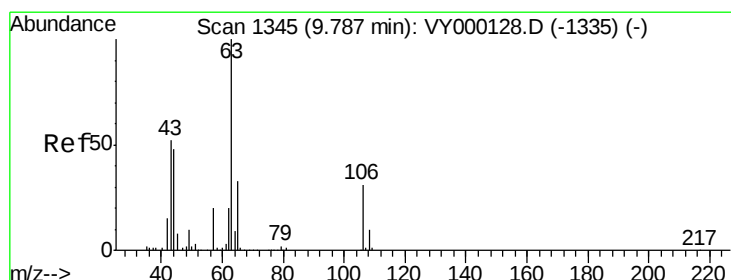
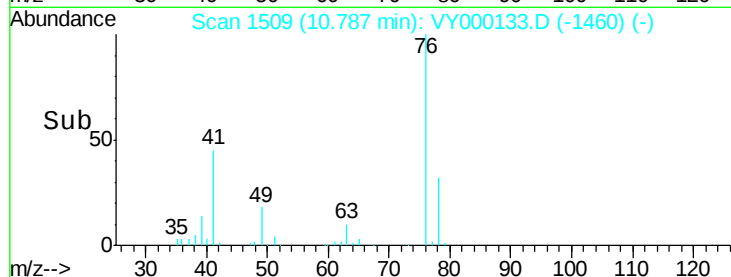
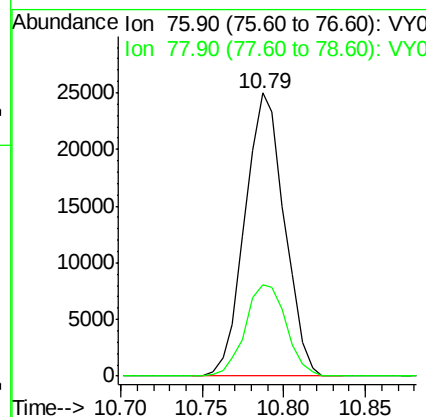
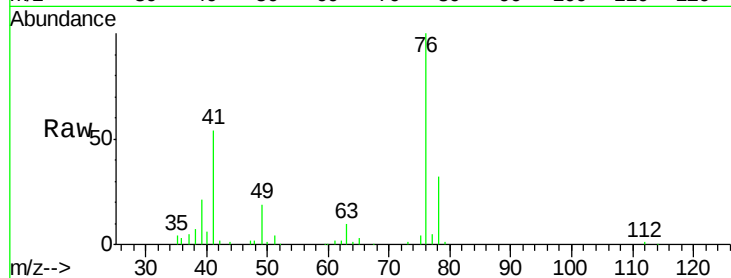
#57
 1,3-Dichloropropane
 Concen: 19.826 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion: 76 Resp: 41976
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.5 39.7

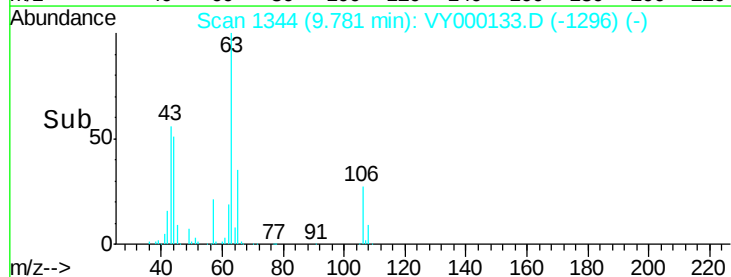
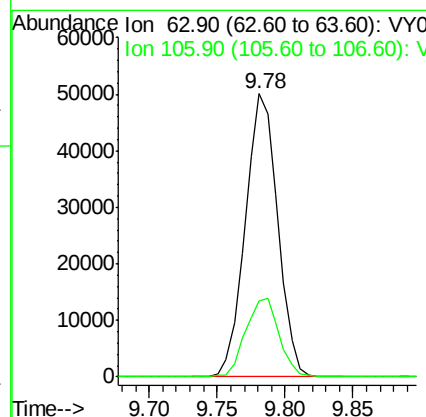
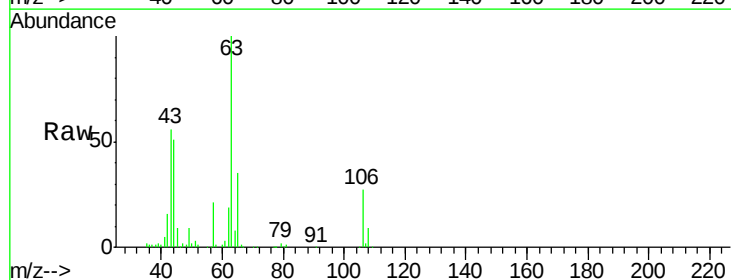
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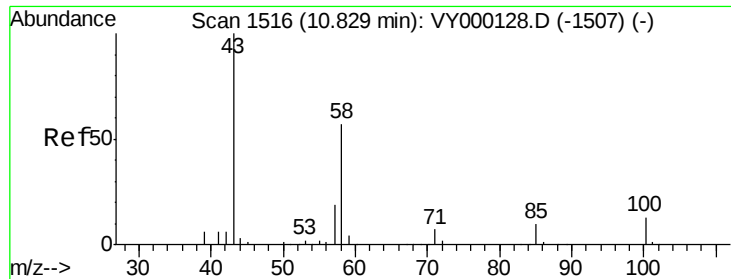
MMDadoda
 9/25/2019 12:39:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.454 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion: 63 Resp: 83381
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.2 34.8





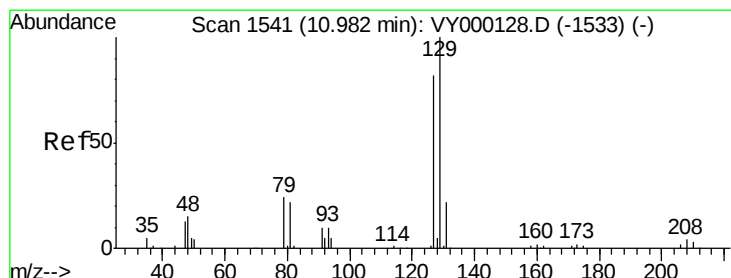
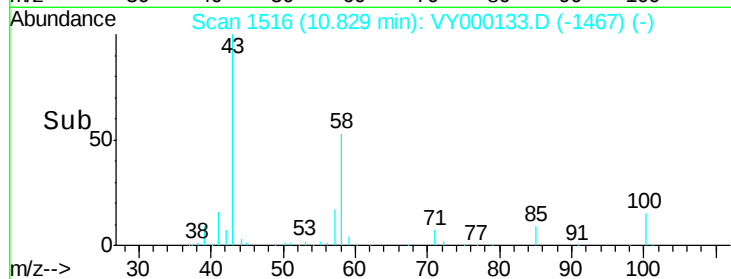
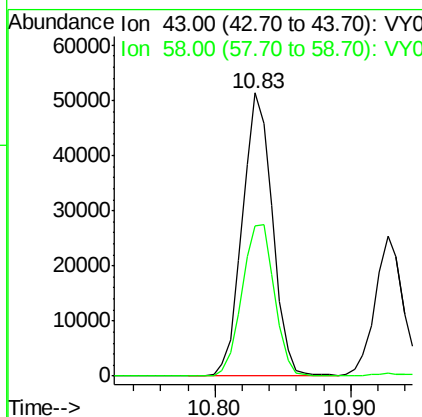
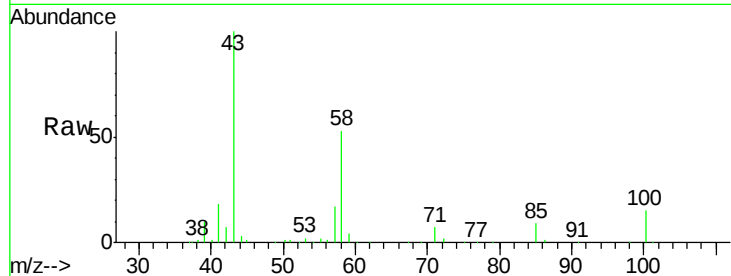
#59
2-Hexanone
Concen: 102.855 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion: 43 Resp: 79548
Ion Ratio Lower Upper
43 100
58 57.3 29.1 87.3

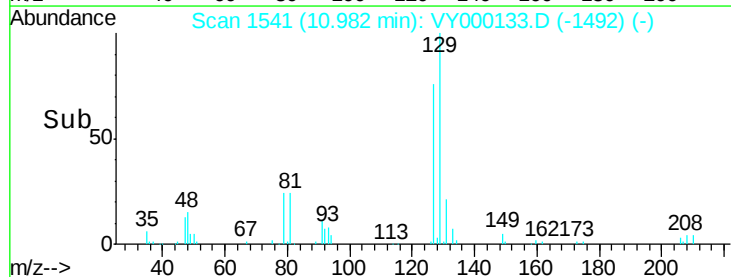
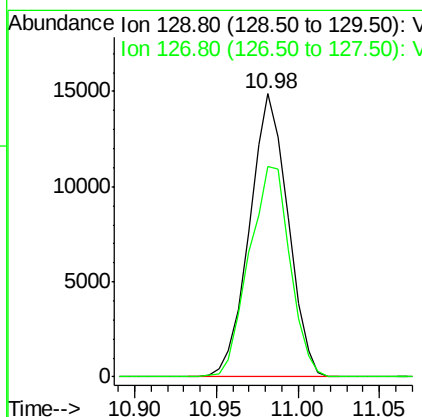
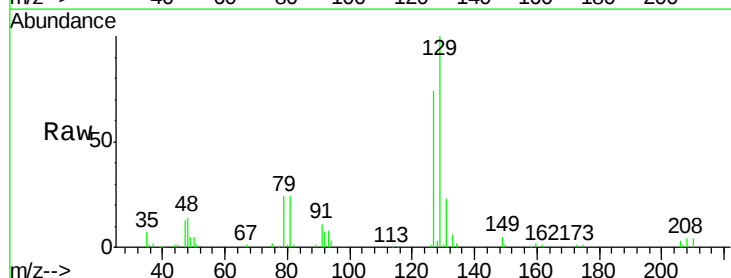
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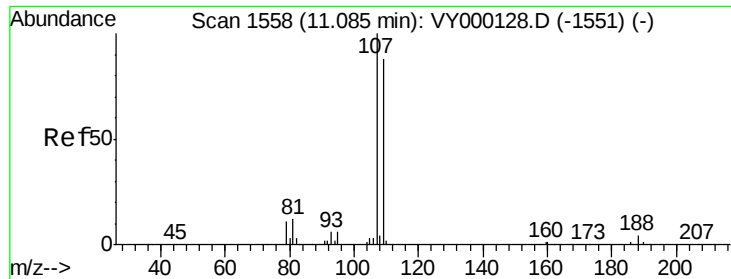
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#60
Dibromochloromethane
Concen: 19.112 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion: 129 Resp: 24326
Ion Ratio Lower Upper
129 100
127 79.3 37.5 112.3





#61

1,2-Dibromoethane

Concen: 20.838 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 107 Resp: 23850

Ion Ratio Lower Upper

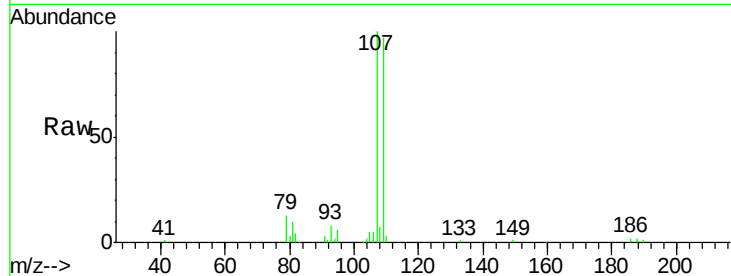
107 100

109 93.8 74.0 111.0

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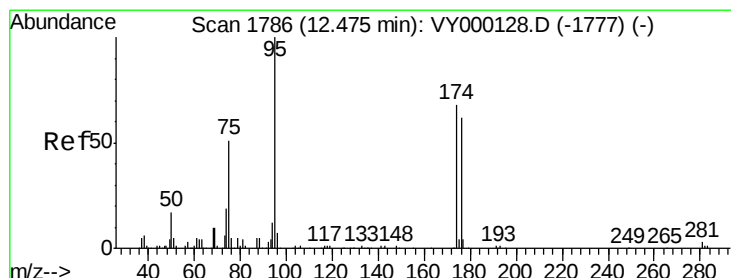
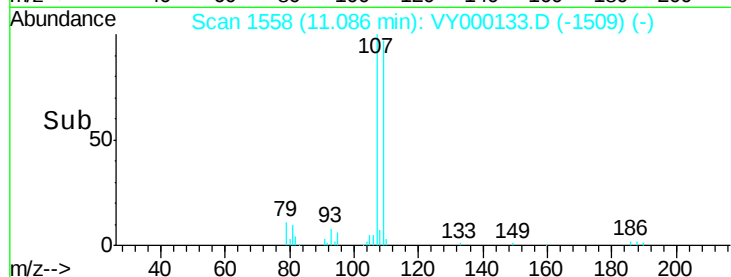
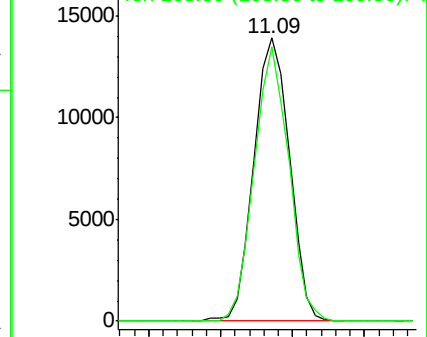
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.507 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

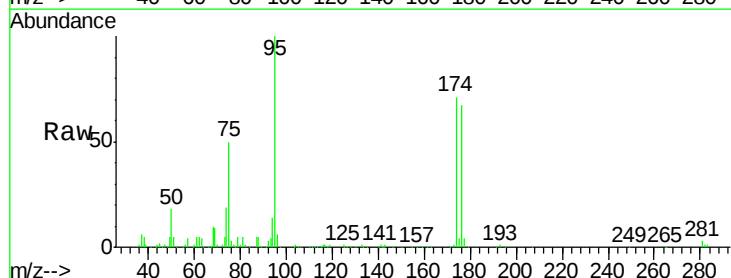
Tgt Ion: 95 Resp: 87591

Ion Ratio Lower Upper

95 100

174 69.5 0.0 140.8

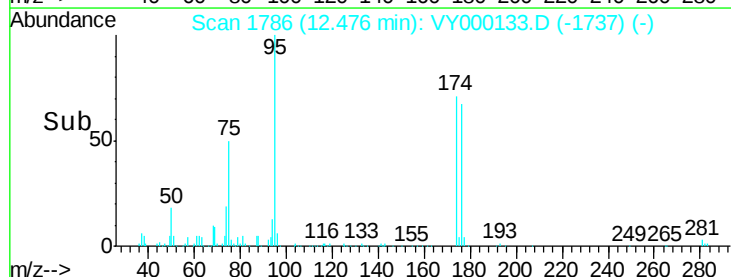
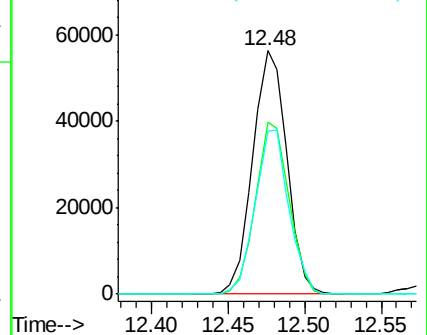
176 66.7 0.0 135.0

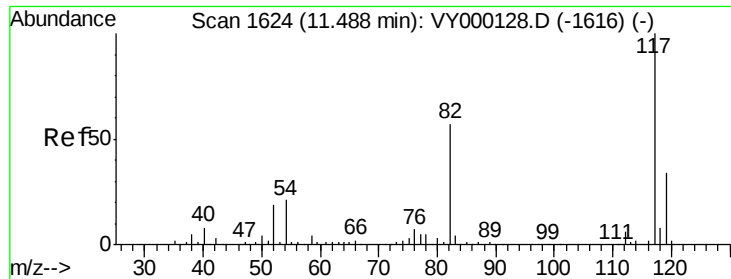


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





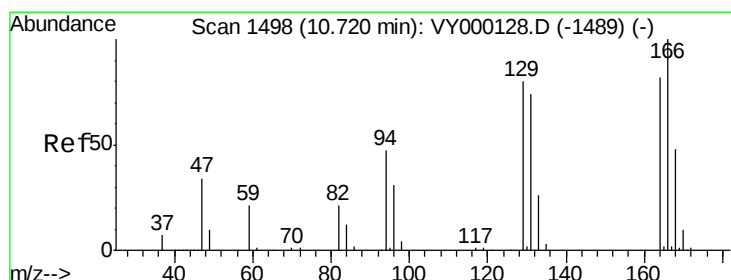
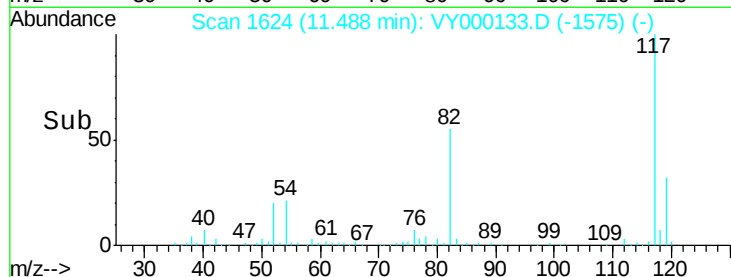
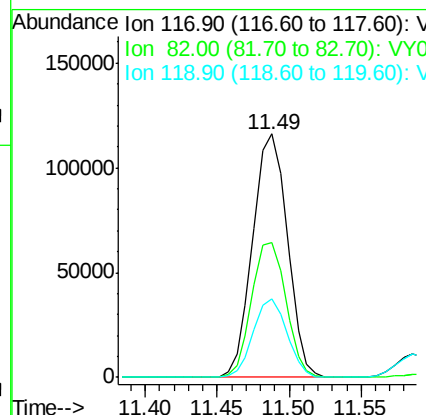
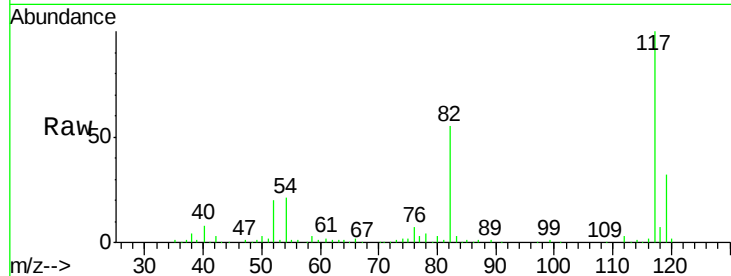
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.5	68.3
119	32.2	27.3	40.9

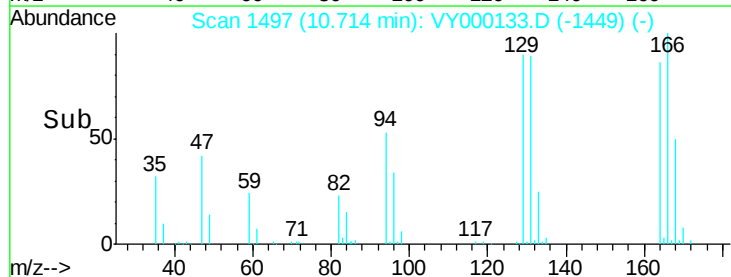
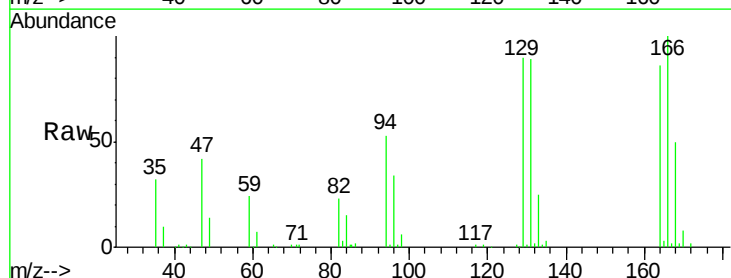
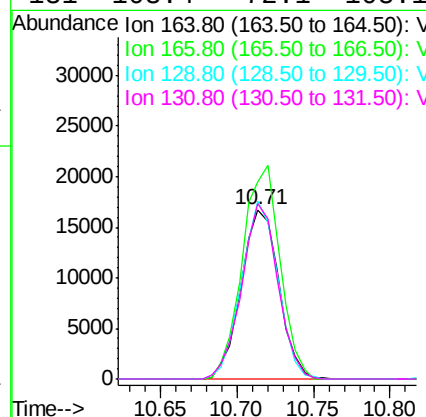
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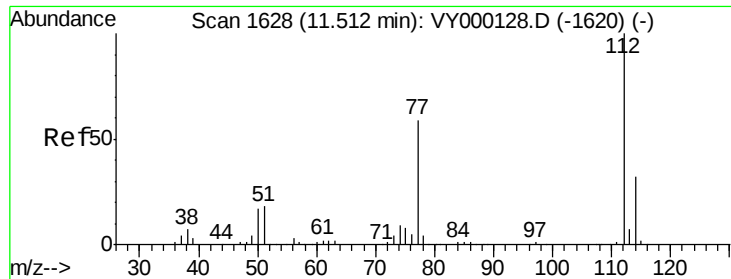
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#64
Tetrachloroethene
Concen: 19.521 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.6	97.0	145.6
129	104.9	77.6	116.4
131	103.4	72.1	108.1





#65

Chlorobenzene

Concen: 19.651 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion:112 Resp: 77343

Ion Ratio Lower Upper

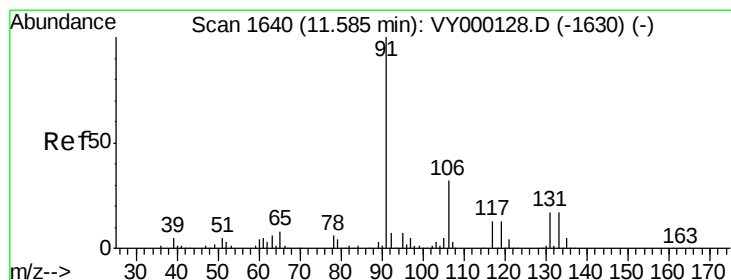
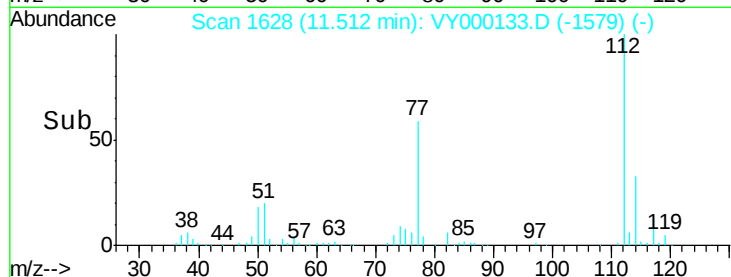
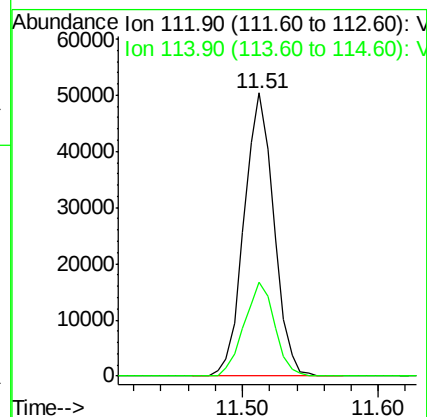
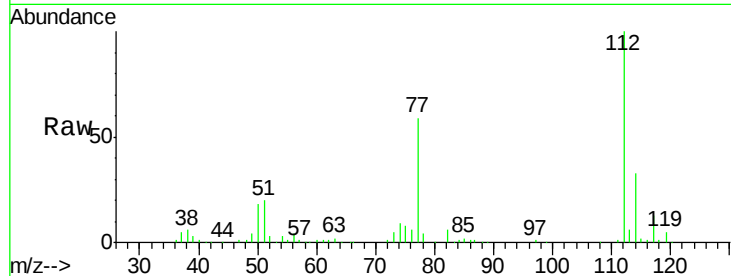
112 100

114 33.2 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.681 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

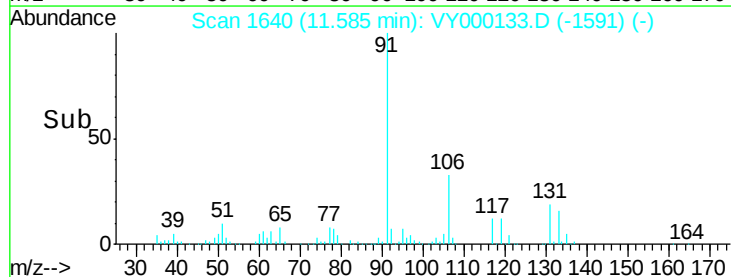
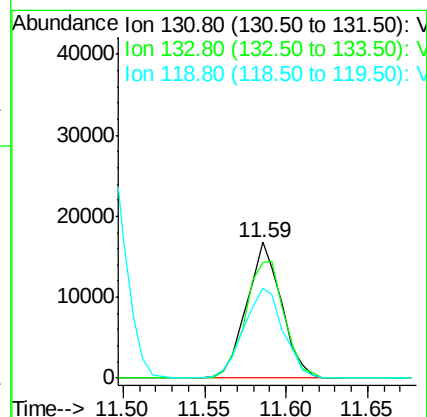
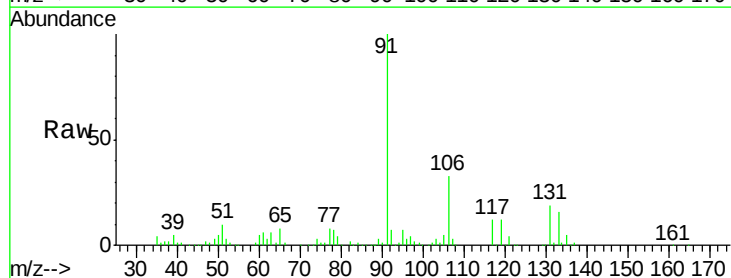
Tgt Ion:131 Resp: 24891

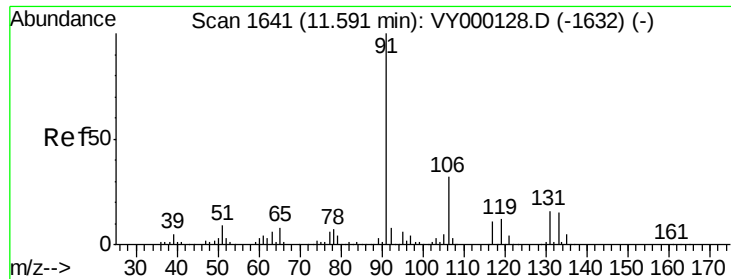
Ion Ratio Lower Upper

131 100

133 96.1 47.5 142.5

119 74.3 35.4 106.2





#67

Ethyl Benzene

Concen: 19.856 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 91 Resp: 142061

Ion Ratio Lower Upper

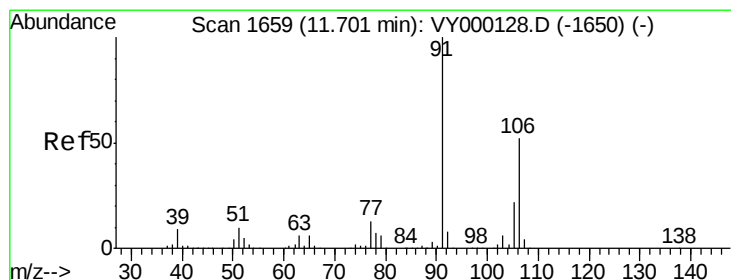
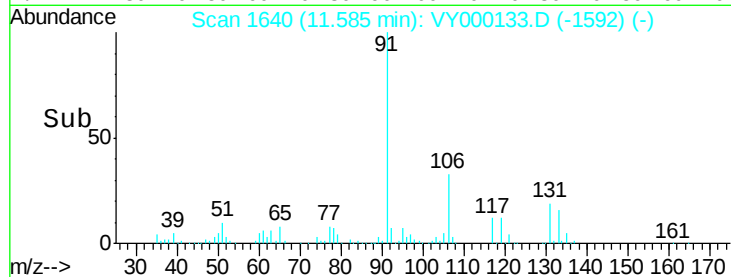
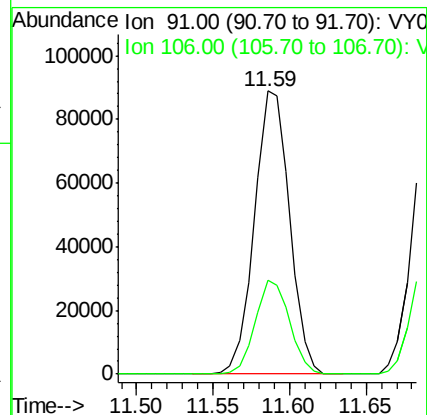
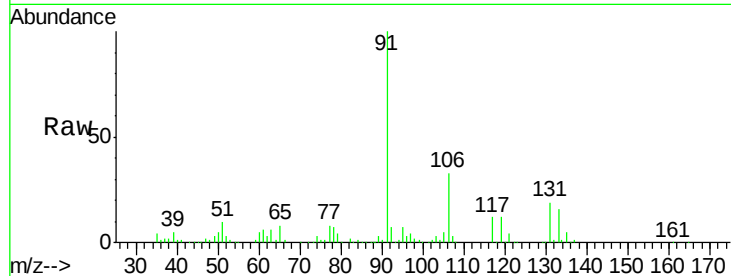
91 100

106 33.2 25.6 38.4

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#68

m/p-Xylenes

Concen: 39.720 ug/l

RT: 11.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VY000133.D

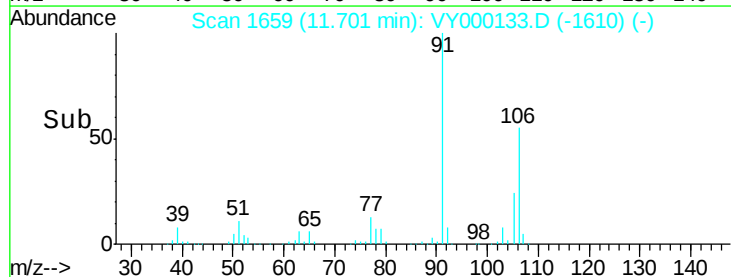
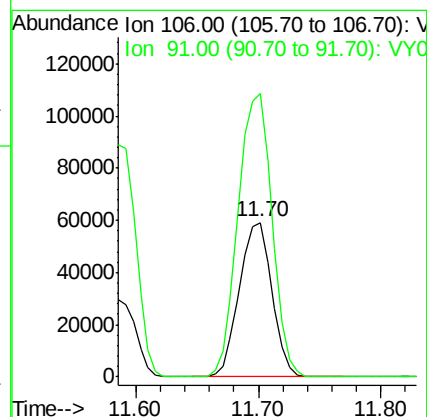
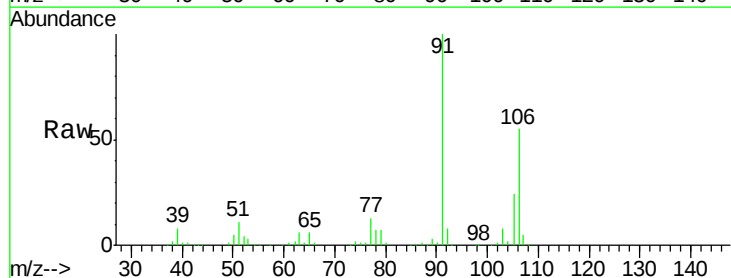
Acq: 23 Sep 2019 15:54

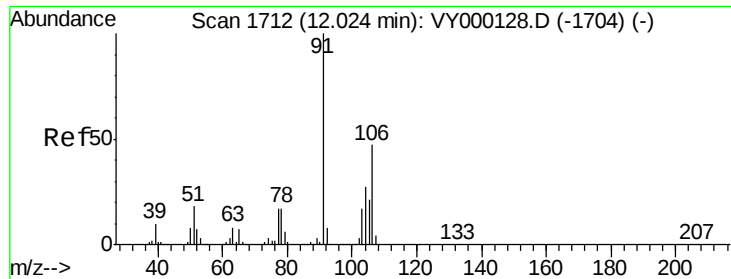
Tgt Ion: 106 Resp: 109585

Ion Ratio Lower Upper

106 100

91 190.7 154.6 232.0





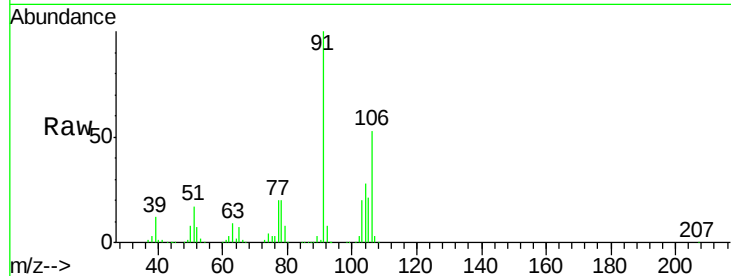
#69
o-Xylene
Concen: 19.600 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

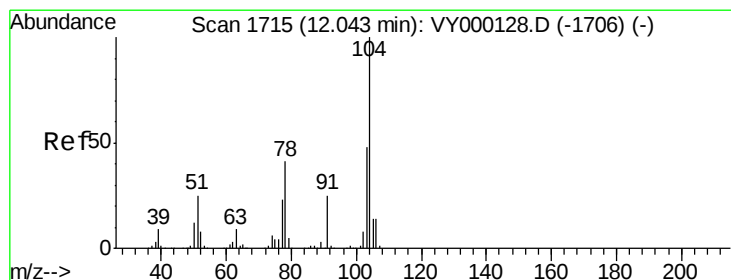
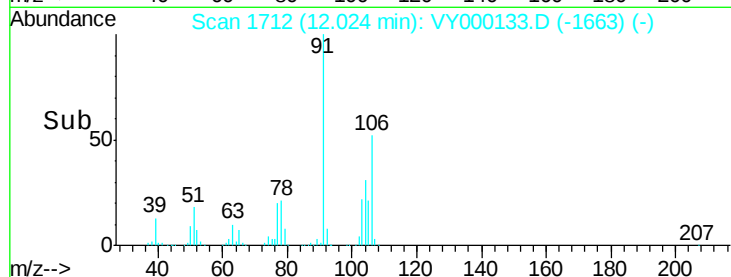
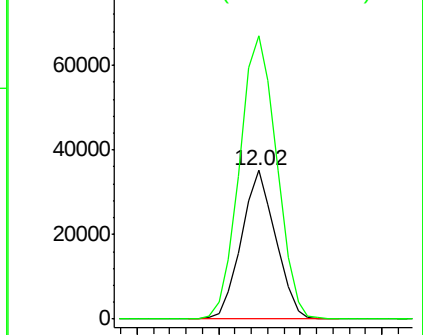
Tot Ion:106 Resp: 51692
Ion Ratio Lower Upper
106 100
91 205.6 102.1 306.1

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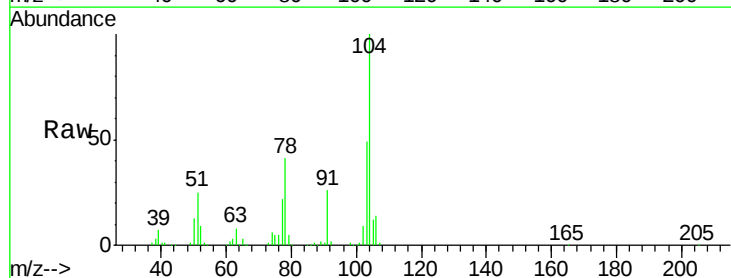


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

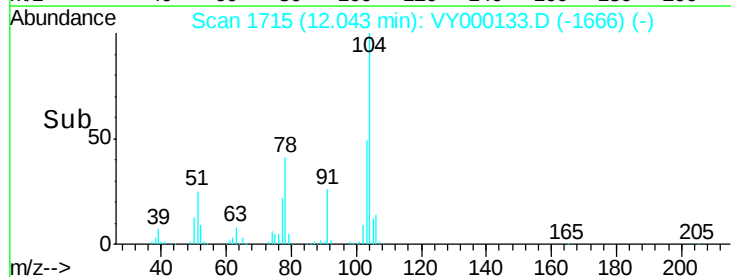
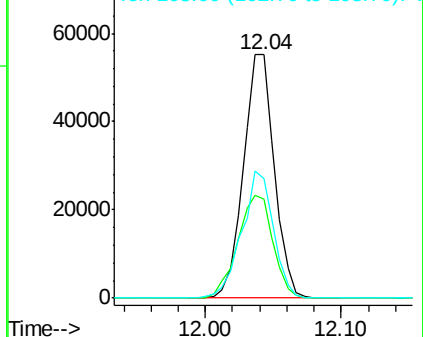


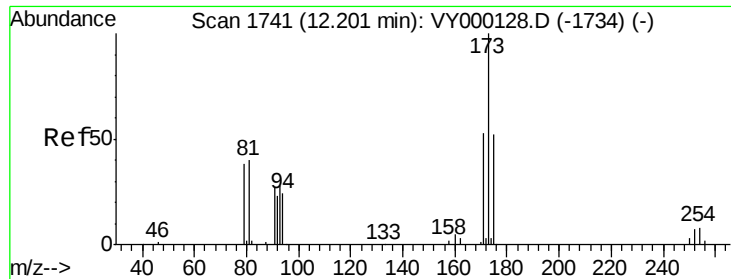
#70
Styrene
Concen: 19.636 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion:104 Resp: 87500
Ion Ratio Lower Upper
104 100
78 47.9 37.3 55.9
103 53.5 42.2 63.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.851 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

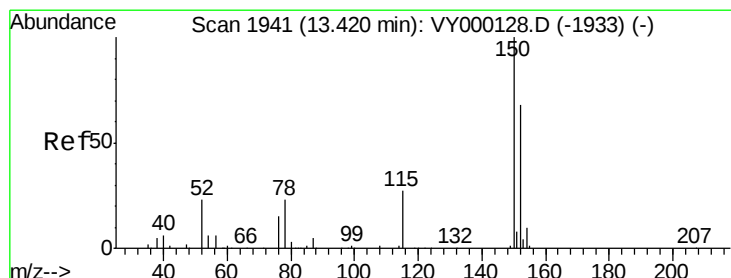
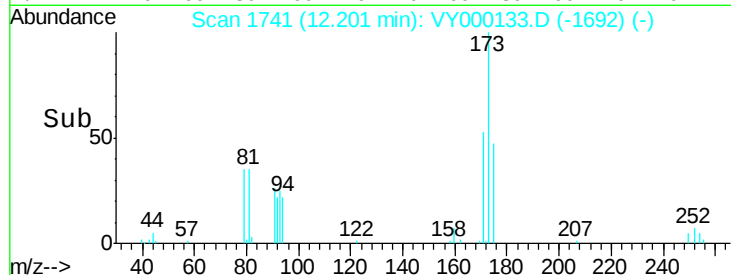
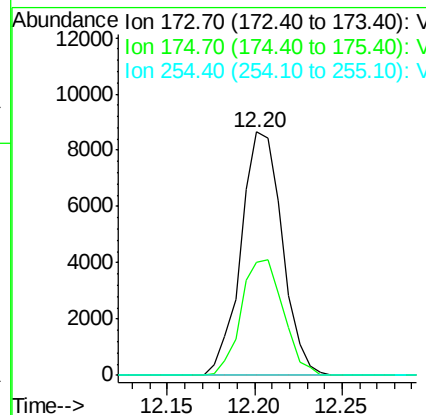
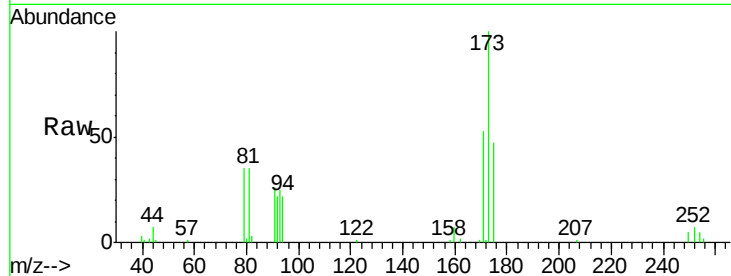
ClientSampleId :

VY0923SBS01

Tot Ion:	173	Resp:	14175
Ion Ratio	Lower	Upper	
173	100		
175	48.3	23.9	71.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

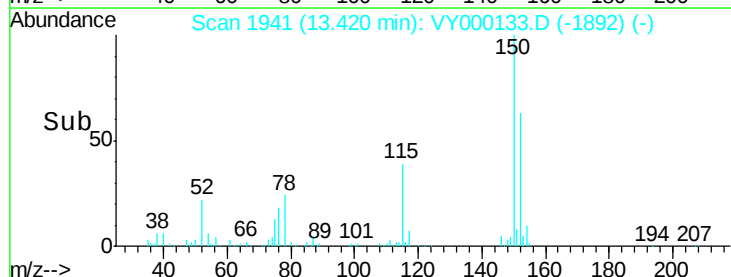
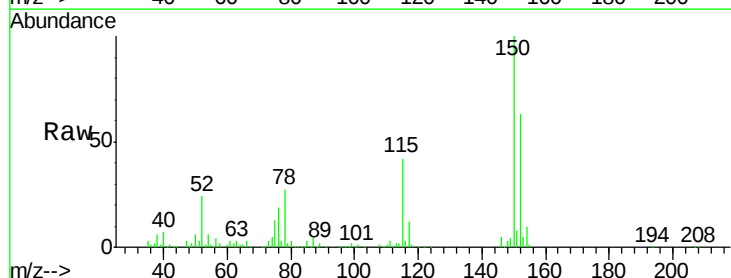
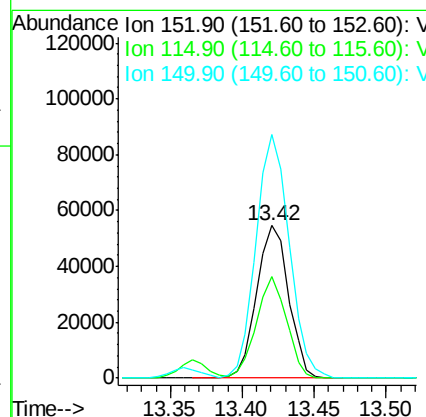
RT: 13.42 min Scan# 1941

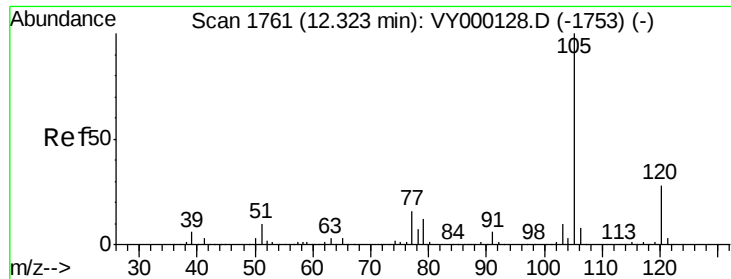
Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	152	Resp:	83722
Ion Ratio	Lower	Upper	
152	100		
115	62.9	30.8	92.3
150	166.1	0.0	354.6





#73

Isopropylbenzene

Concen: 20.121 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion:105 Resp: 134129

Ion Ratio Lower Upper

105 100

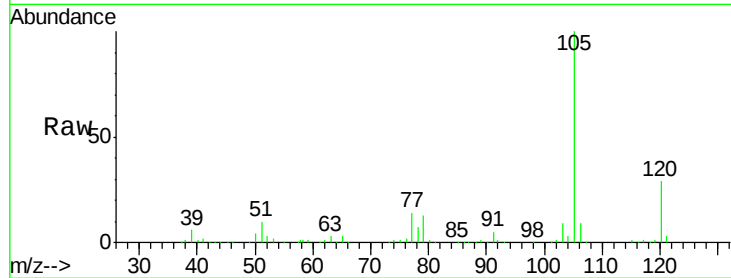
120 27.4 13.8 41.3

Manual Integrations

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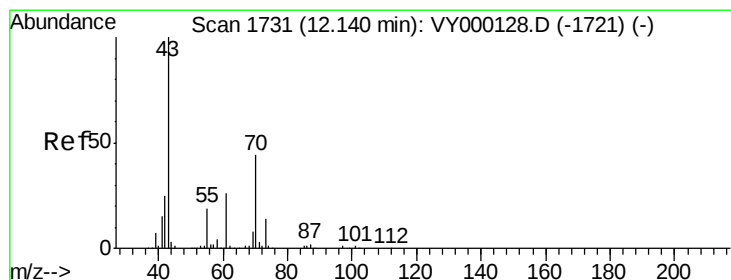
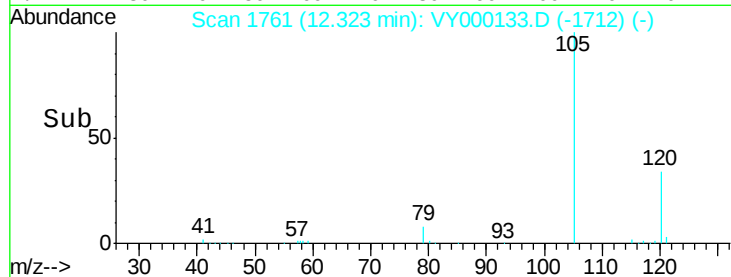
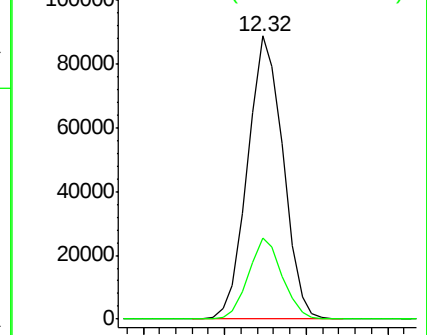
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.304 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion: 43 Resp: 37721

Ion Ratio Lower Upper

43 100

70 47.5 35.7 53.5

55 23.1 17.2 25.8

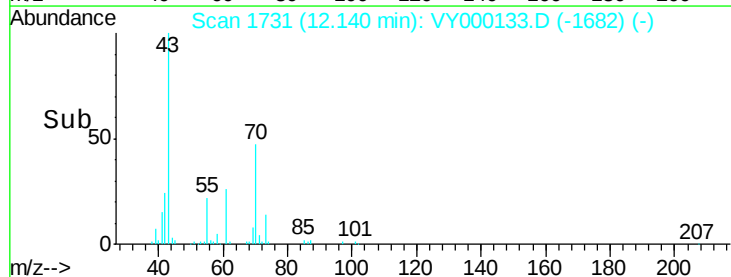
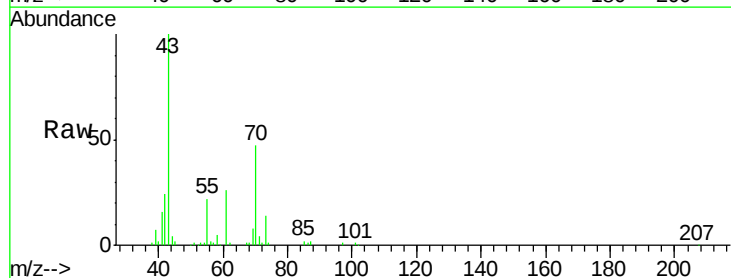
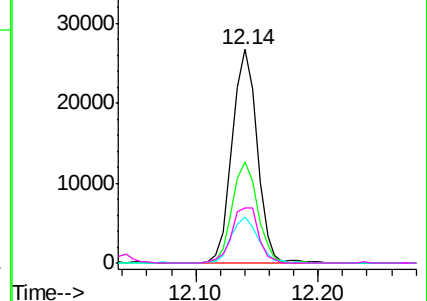
61 27.8 19.8 29.8

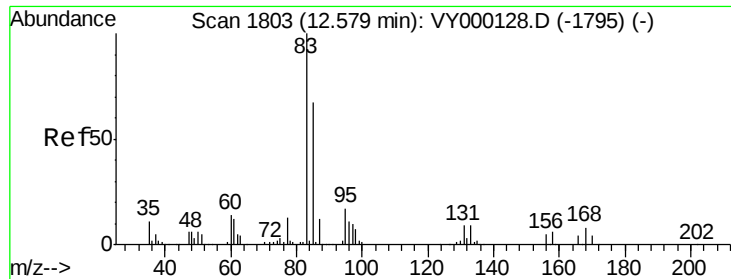
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





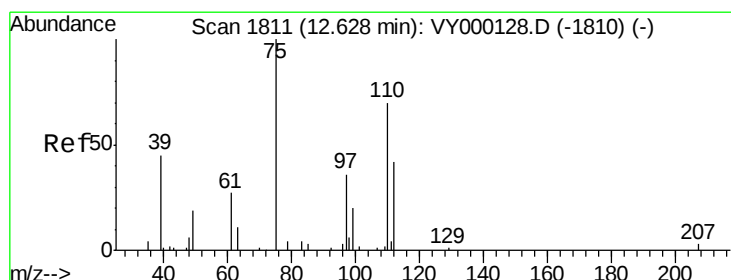
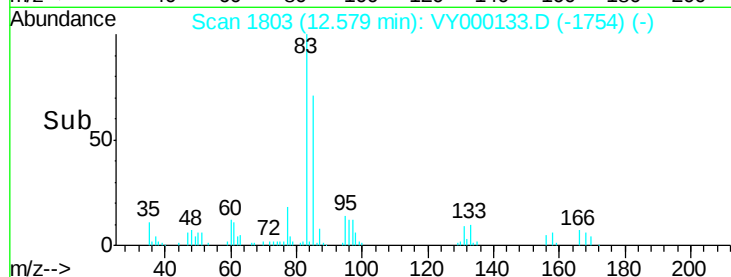
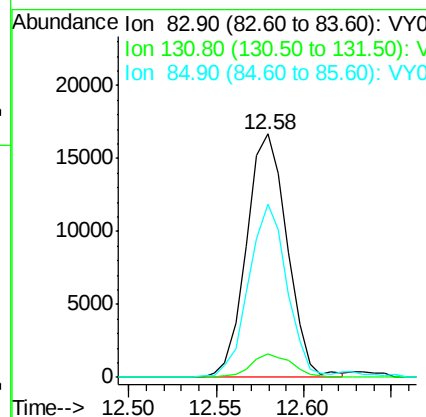
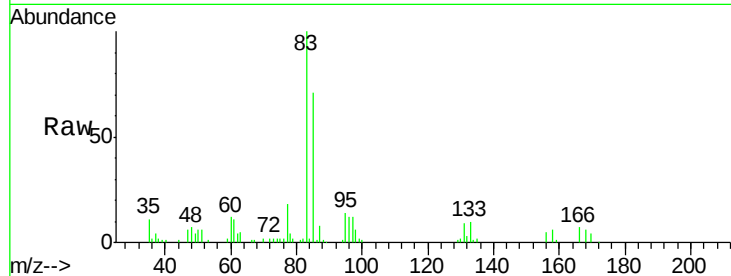
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.269 ug/l
 RT: 12.58 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	26977		
131	9.5		4.9	14.6
85	67.0		32.0	96.0

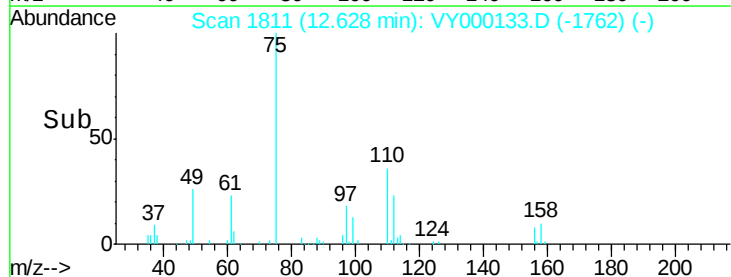
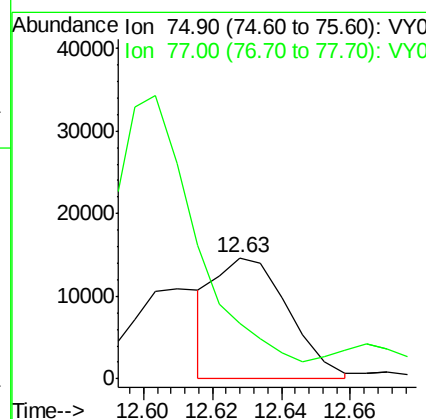
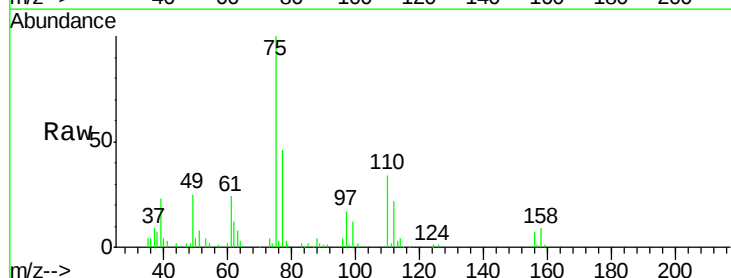
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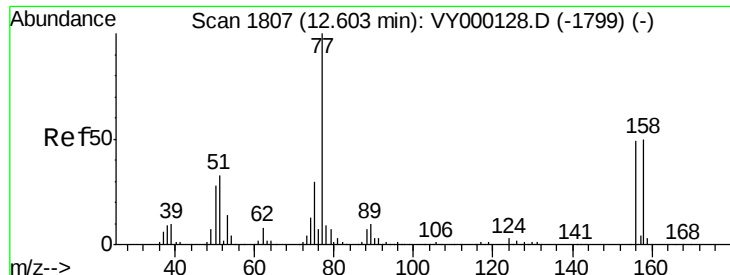
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 24.630 ug/l m
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21610		
77	0.0		0.0	0.0





#77

Bromobenzene

Concen: 20.451 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion:156 Resp: 28507

Ion Ratio Lower Upper

156 100

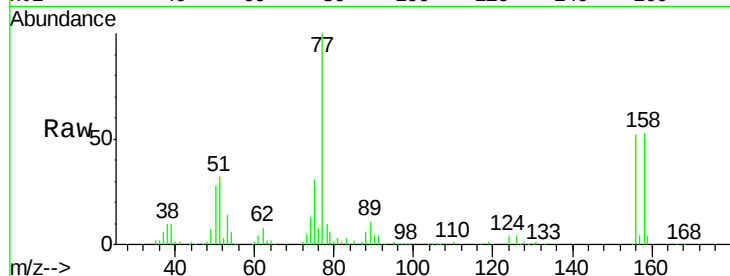
77 215.9 105.0 314.9

158 96.8 48.4 145.2

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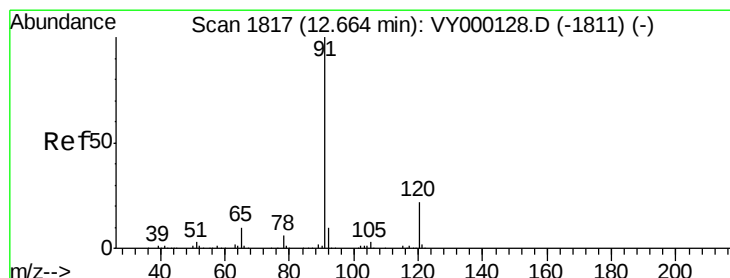
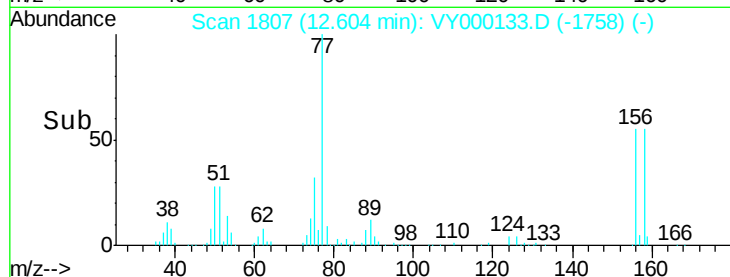
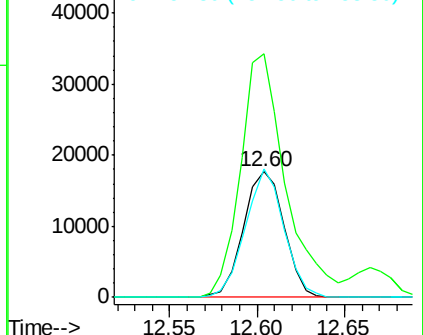
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.783 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000133.D

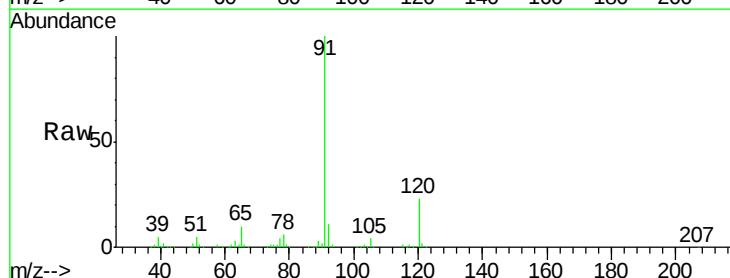
Acq: 23 Sep 2019 15:54

Tgt Ion: 91 Resp: 163091

Ion Ratio Lower Upper

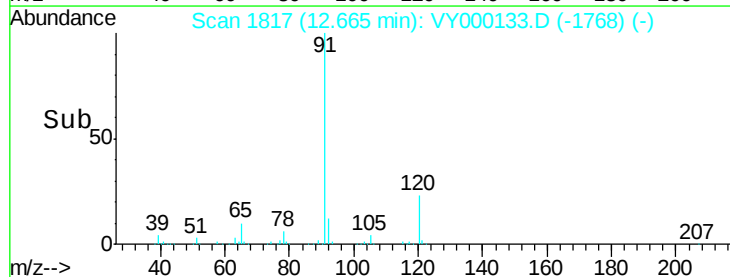
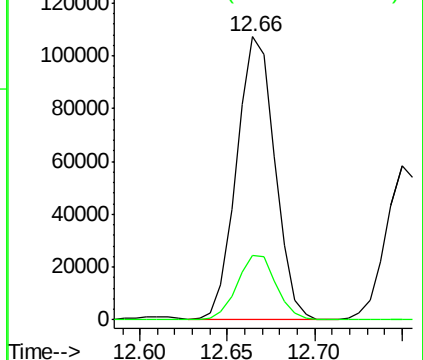
91 100

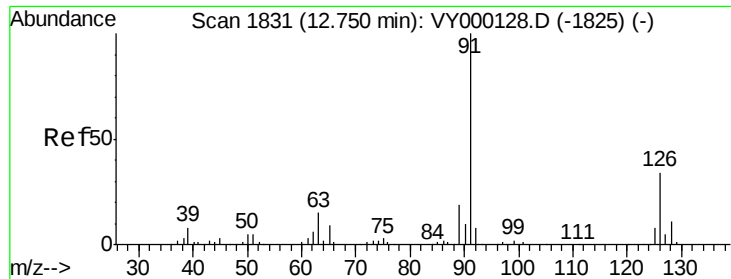
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.791 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion: 91 Resp: 89570

Ion Ratio Lower Upper

91 100

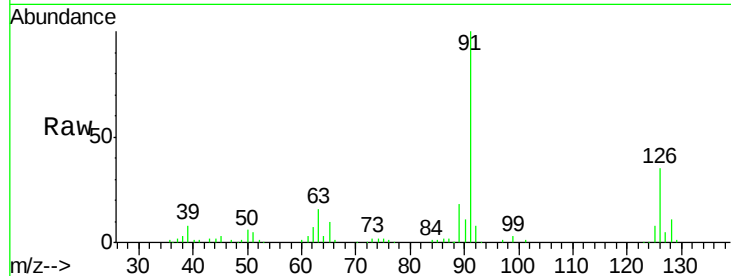
126 33.6 17.5 52.5

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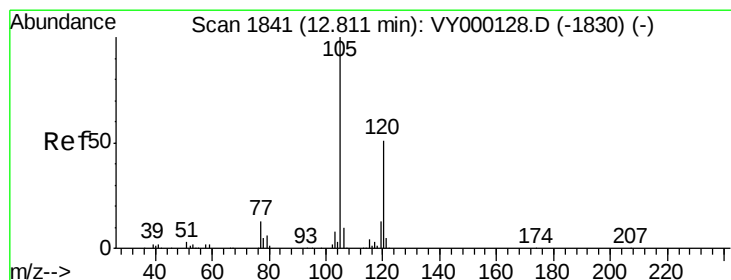
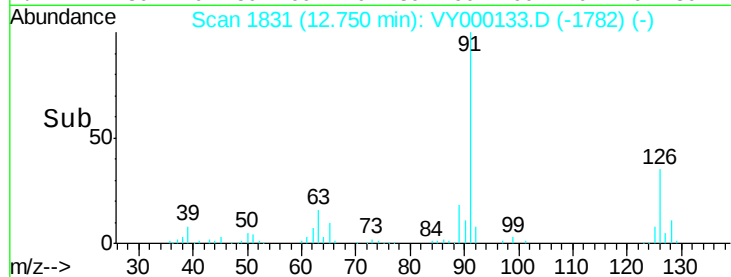
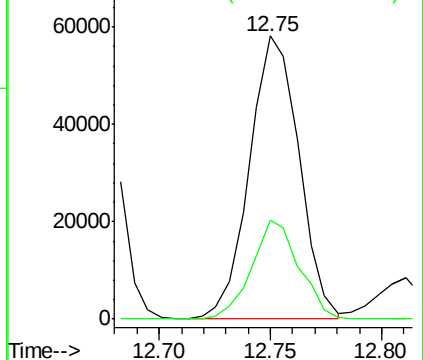
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.897 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VY000133.D

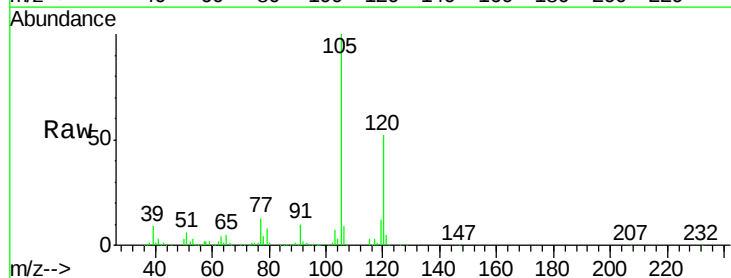
Acq: 23 Sep 2019 15:54

Tgt Ion:105 Resp: 110996

Ion Ratio Lower Upper

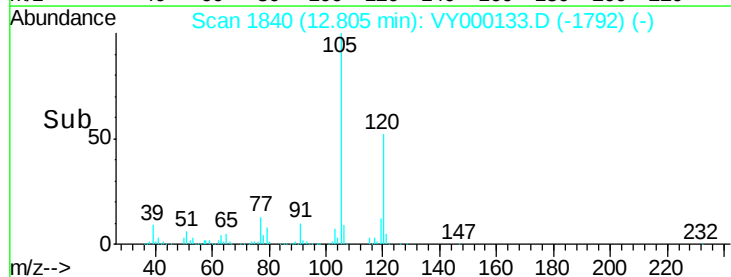
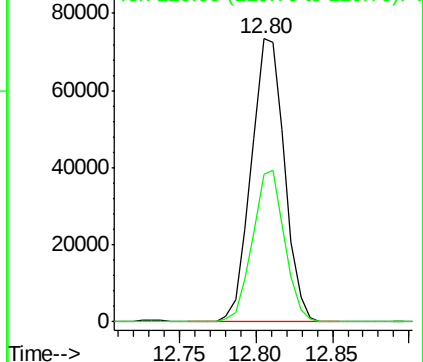
105 100

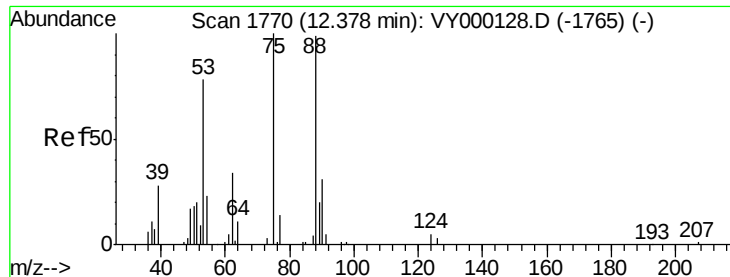
120 51.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.200 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

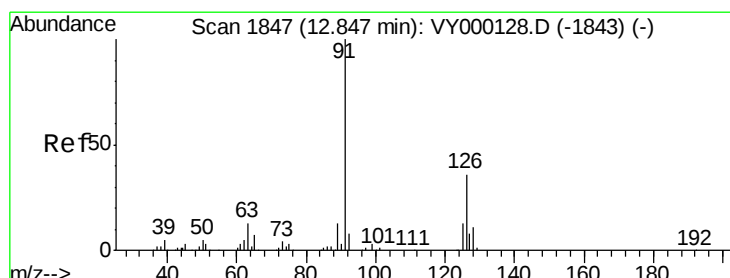
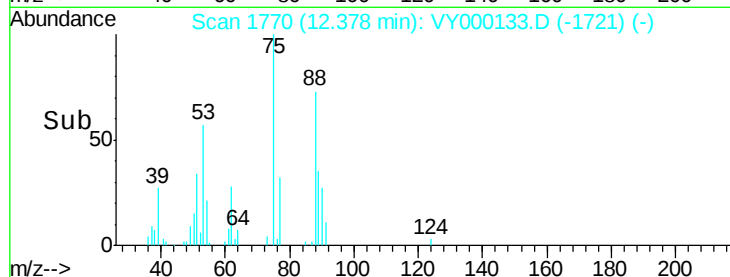
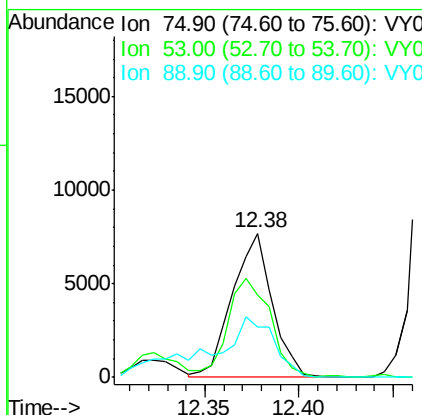
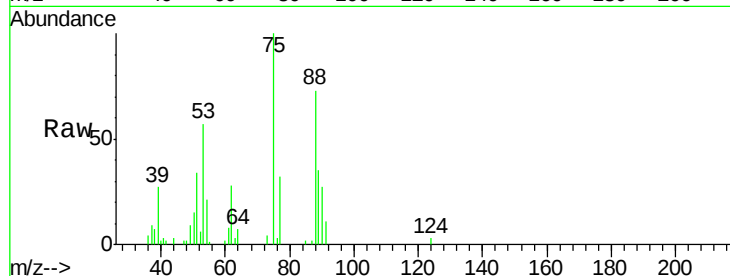
ClientSampleId :

VY0923SBS01

Tot Ion:	75	Resp:	11316
Ion Ratio	Lower	Upper	
75	100		
53	72.9	62.5	93.7
89	70.2	31.4	47.2#

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#82

4-Chlorotoluene

Concen: 20.002 ug/l

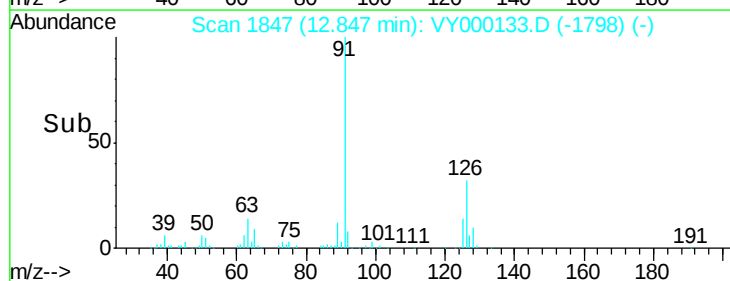
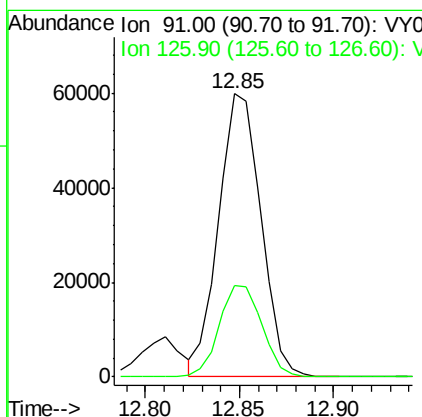
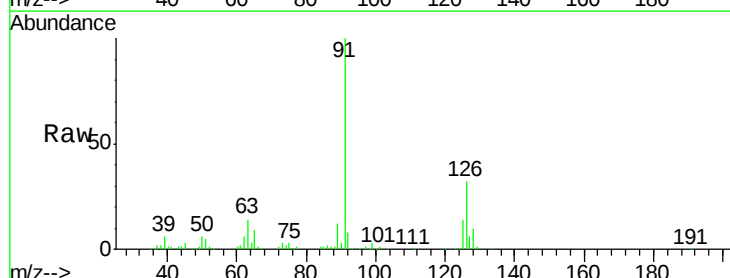
RT: 12.85 min Scan# 1847

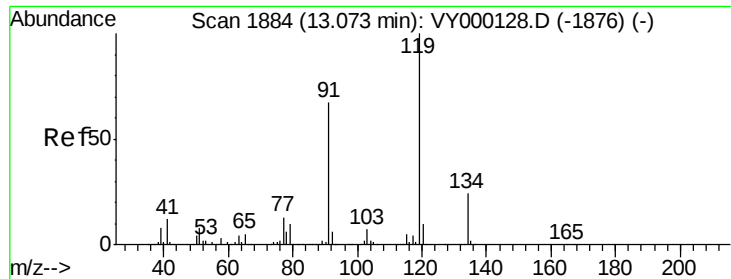
Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	91	Resp:	93367
Ion Ratio	Lower	Upper	
91	100		
126	32.6	17.3	51.9





#83

tert-Butylbenzene

Concen: 20.097 ug/l

RT: 13.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

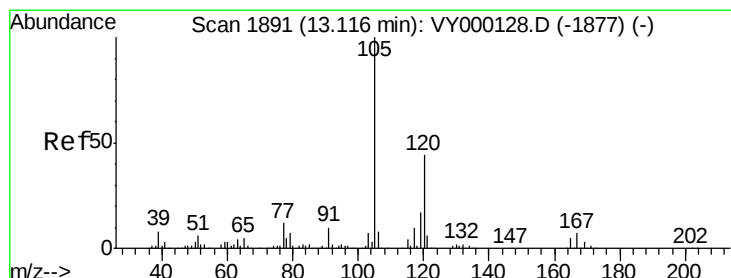
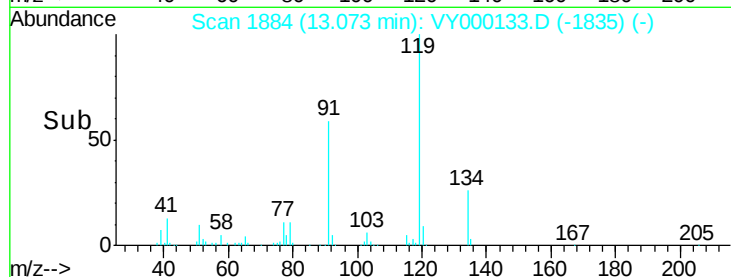
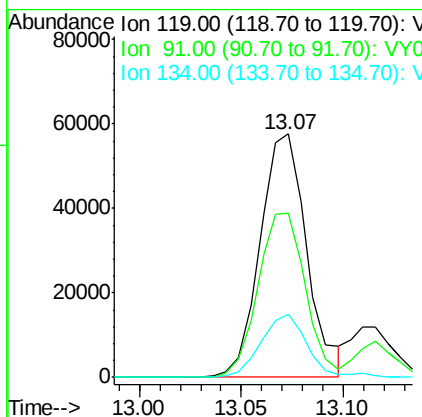
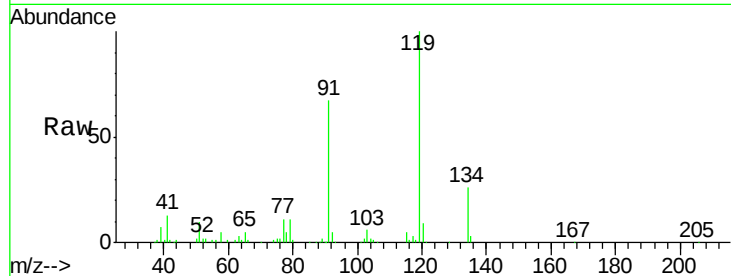
ClientSampleId :

VY0923SBS01

Tot Ion:	119	Resp:	91838
Ion Ratio	Lower	Upper	
119	100		
91	68.5	33.6	100.8
134	26.1	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 19.871 ug/l

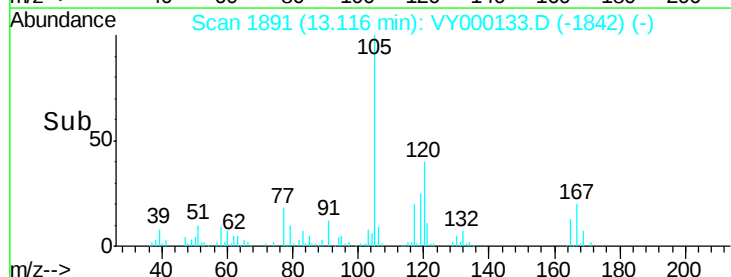
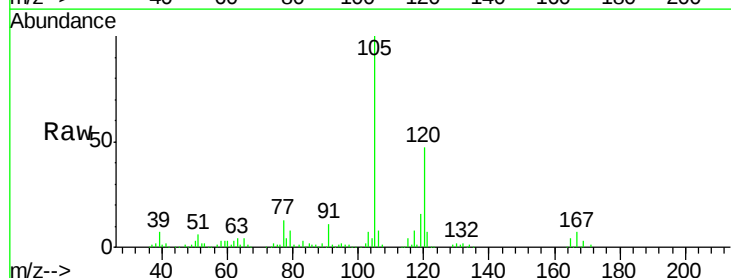
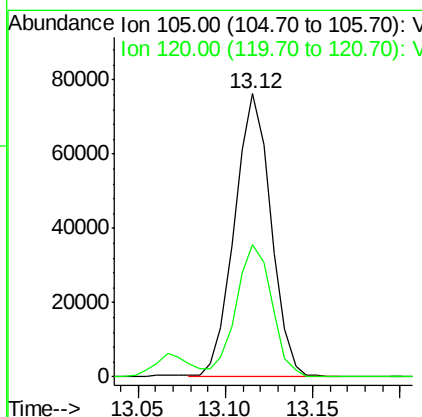
RT: 13.12 min Scan# 1891

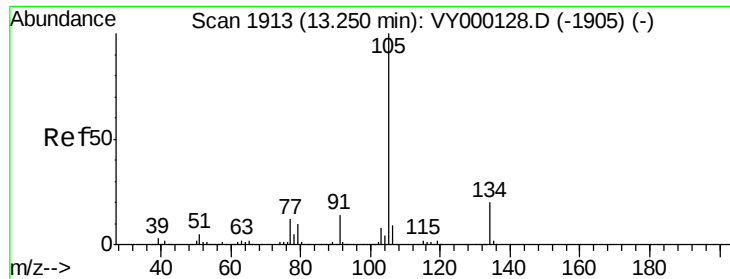
Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Tgt Ion:	105	Resp:	110625
Ion Ratio	Lower	Upper	
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0923SBS01

Tot Ion:105 Resp: 135813

Ion Ratio Lower Upper

105 100

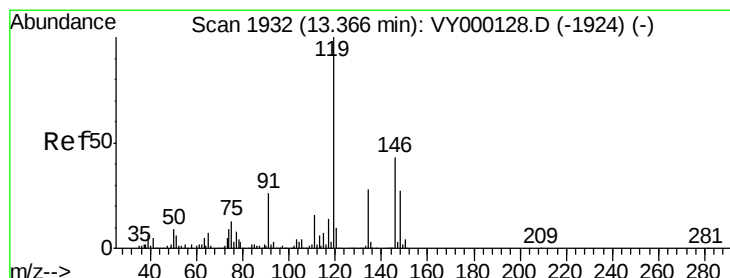
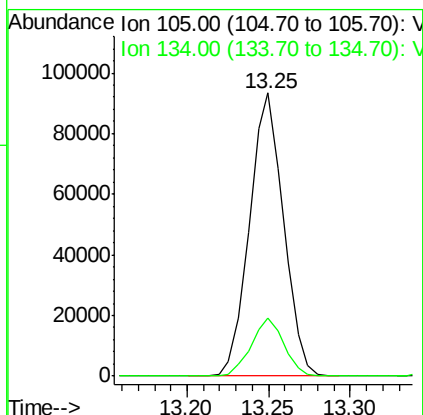
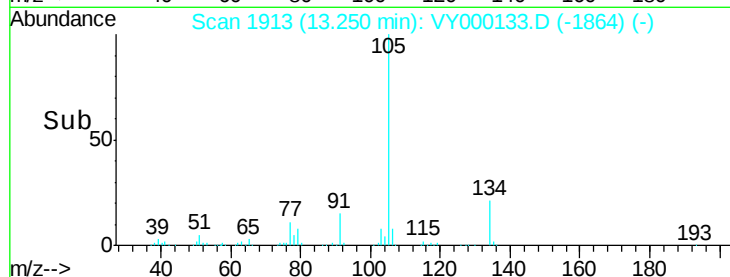
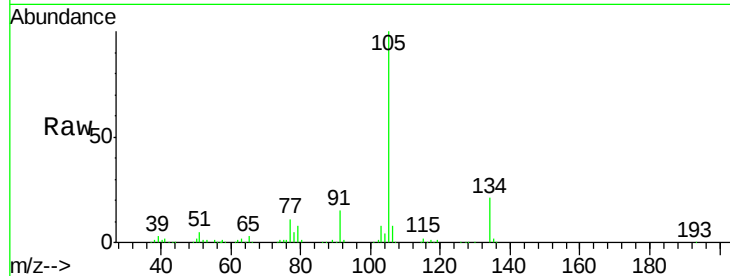
134 19.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VY000133.D

Acq: 23 Sep 2019 15:54

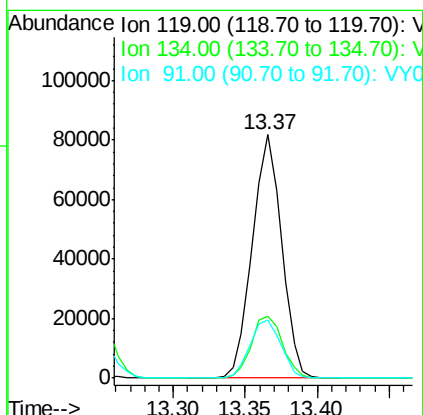
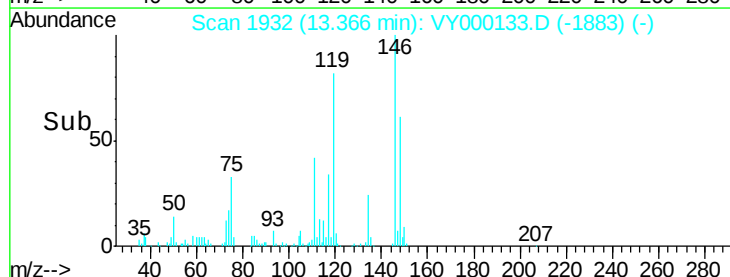
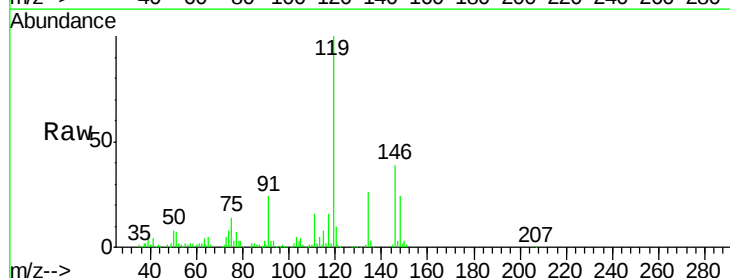
Tgt Ion:119 Resp: 114679

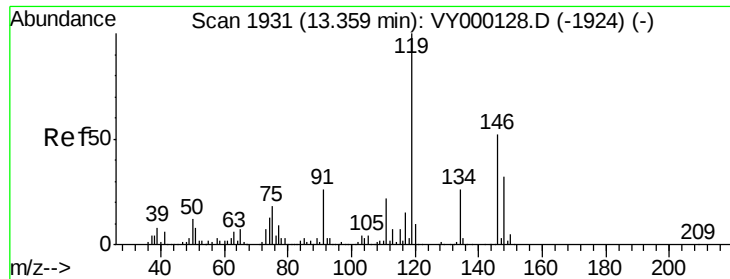
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 25.4 12.8 38.3





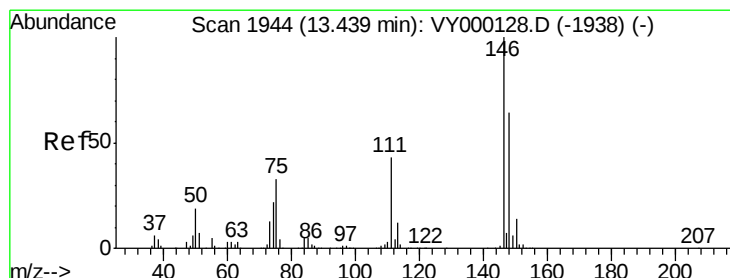
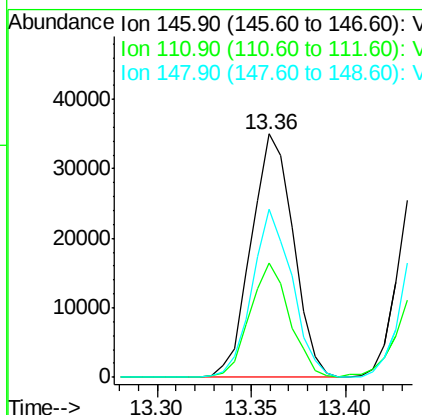
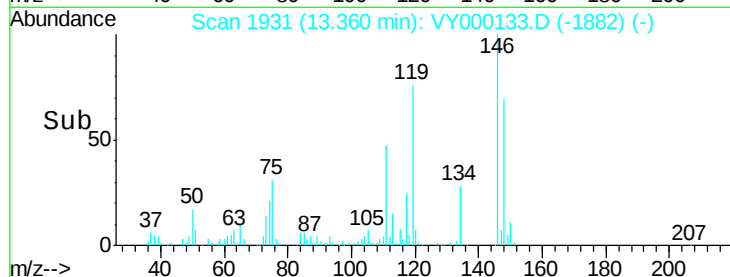
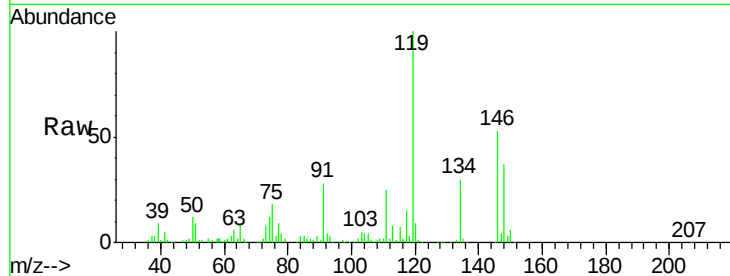
#87
 1,3-Dichlorobenzene
 Concen: 19.904 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.4	61.2
148	65.4	31.9	95.5

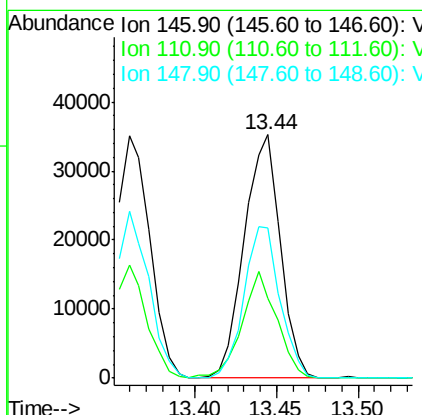
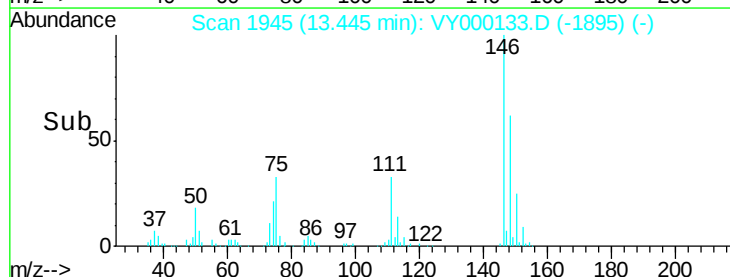
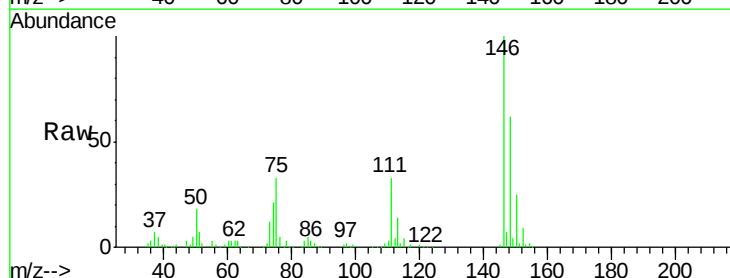
Manual Integrations
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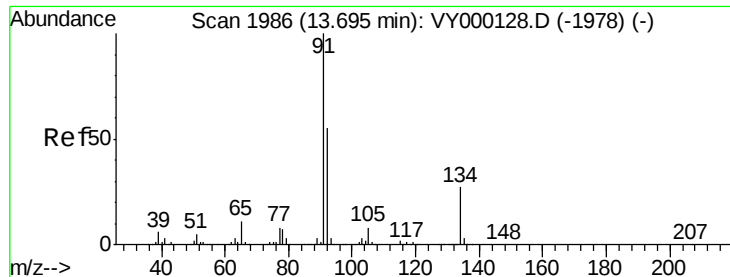
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#88
 1,4-Dichlorobenzene
 Concen: 19.602 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.8
148	62.1	31.6	95.0





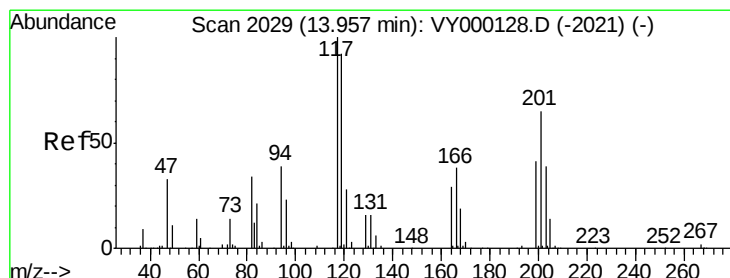
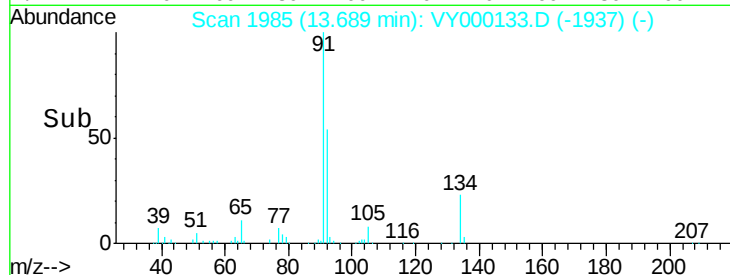
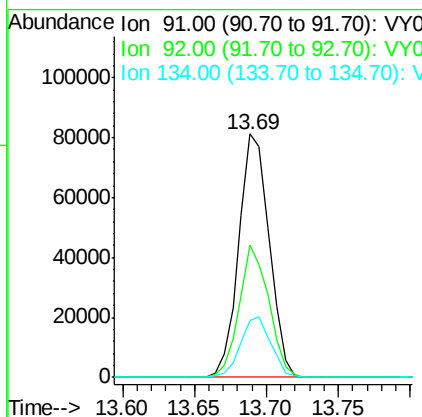
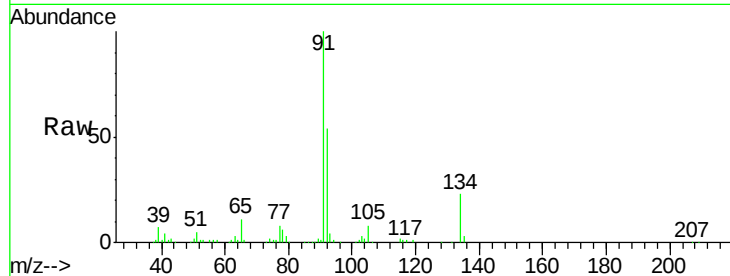
#89
n-Butylbenzene
Concen: 19.913 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	27.2	81.5	
134	24.6	12.9	38.7	

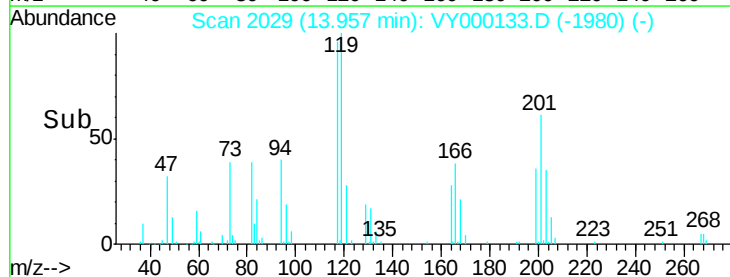
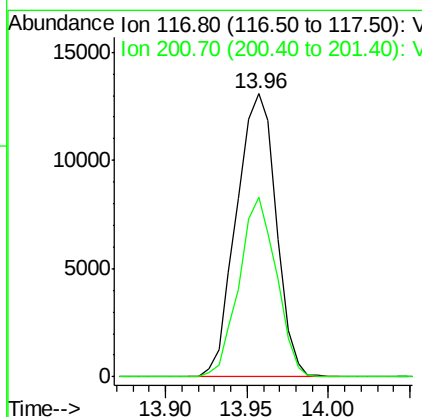
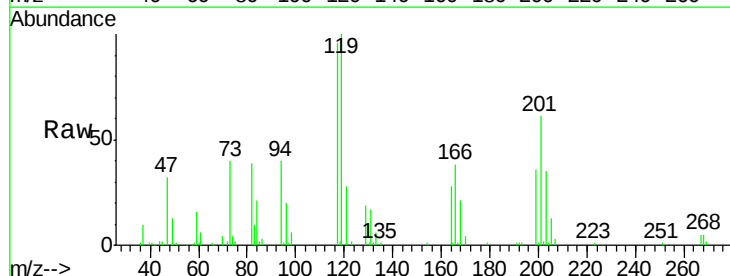
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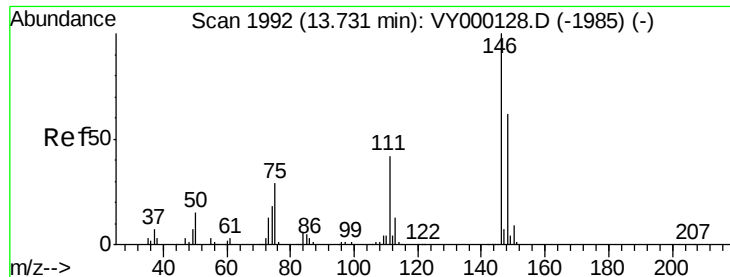
MMDadoda
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#90
Hexachloroethane
Concen: 19.285 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	59.5	30.1	90.5	





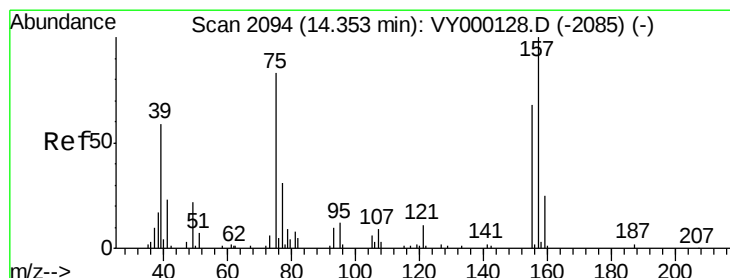
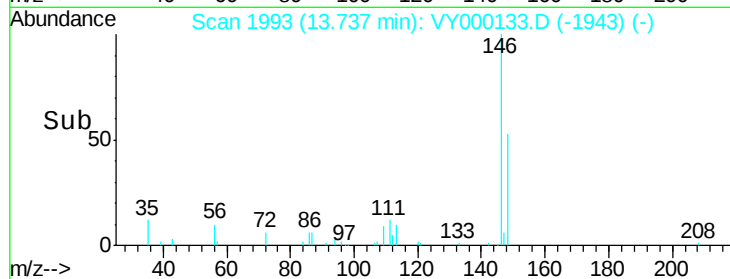
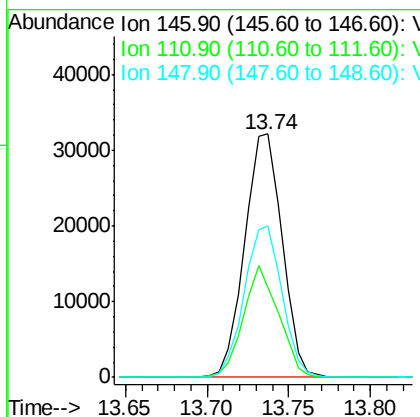
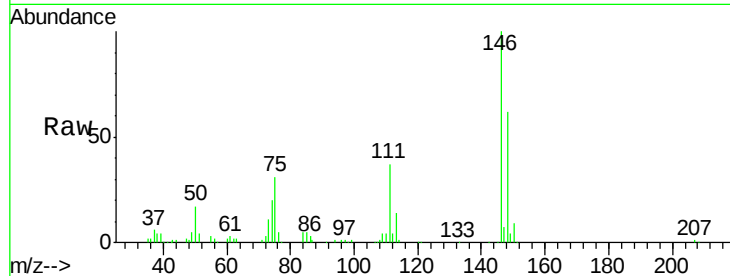
#91
 1,2-Dichlorobenzene
 Concen: 20.025 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	62.5	31.5	94.5

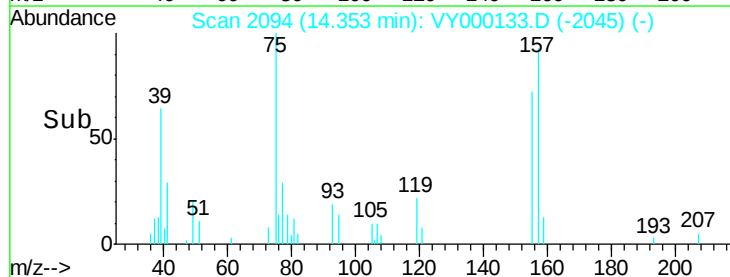
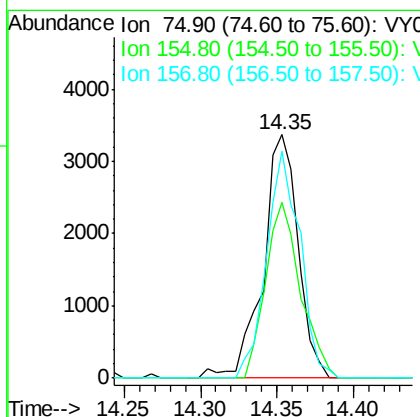
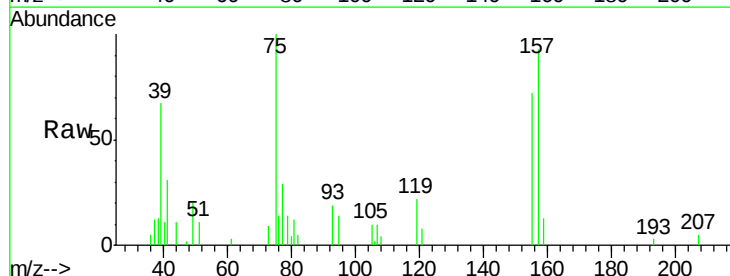
Manual Integrations
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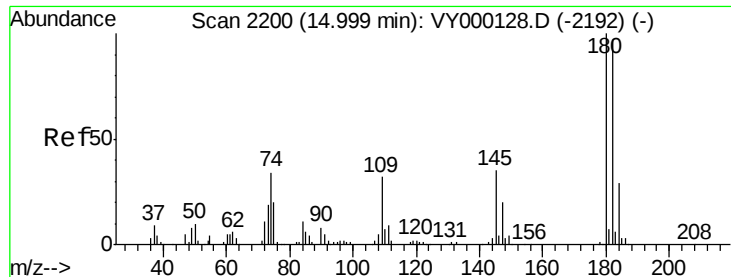
MMDadoda
 9/25/2019 12:39:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.960 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	44.7	134.1
157	89.2	55.9	167.7





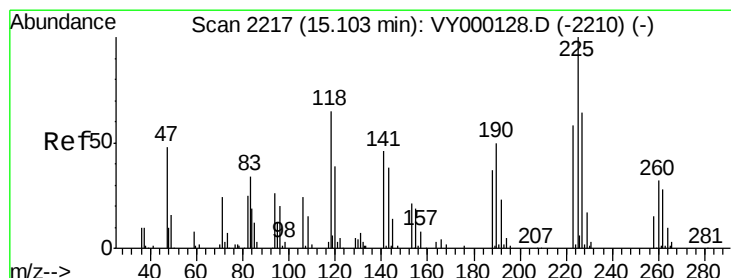
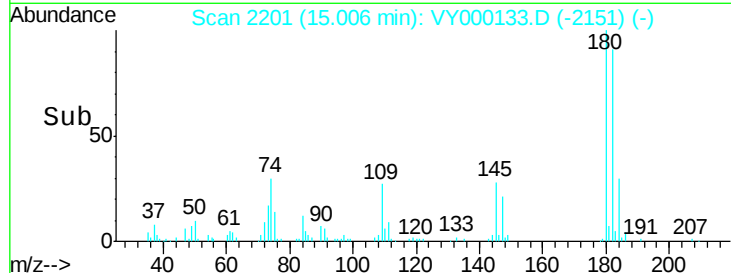
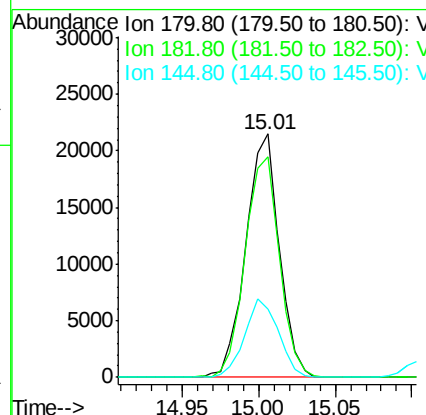
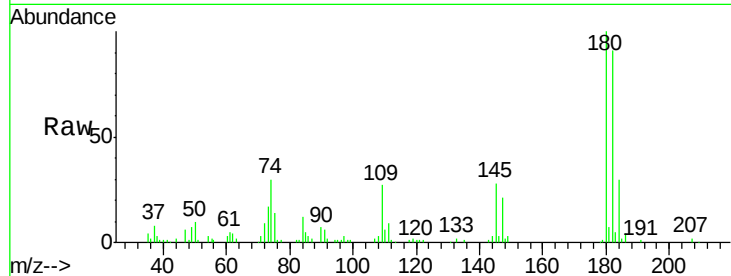
#93
 1,2,4-Trichlorobenzene
 Concen: 19.687 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32569		
182	93.1	46.1	138.2	
145	32.5	16.8	50.3	

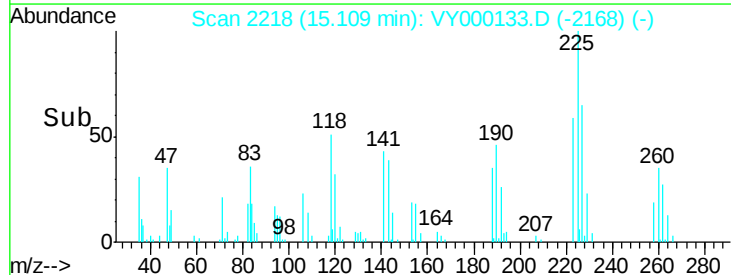
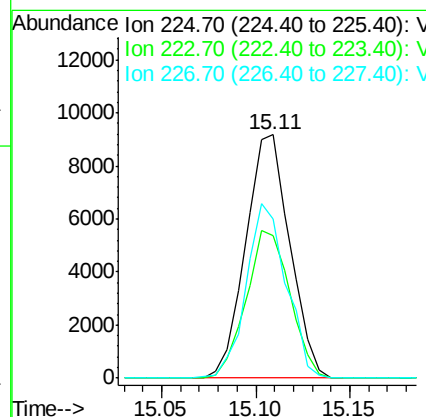
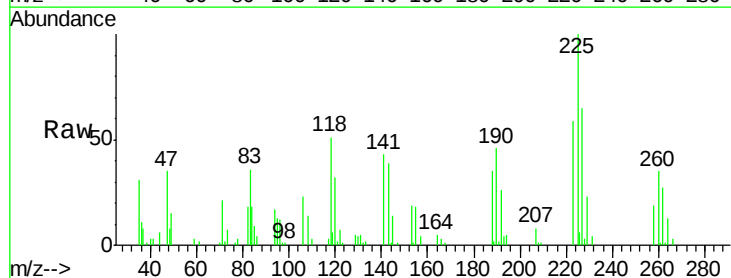
Manual Integrations
 APPROVED

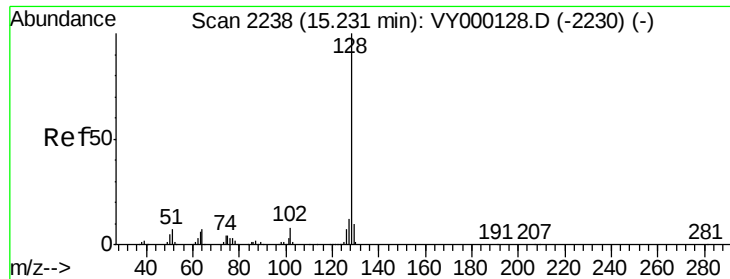
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 9/25/2019 12:39:28 AM



#94
 Hexachlorobutadiene
 Concen: 20.259 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000133.D
 Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14896		
223	60.2	31.9	95.5	
227	65.1	32.3	96.8	





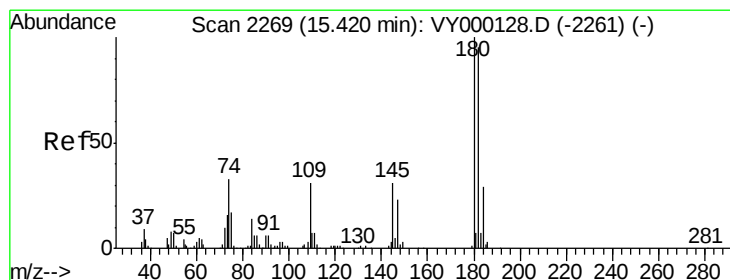
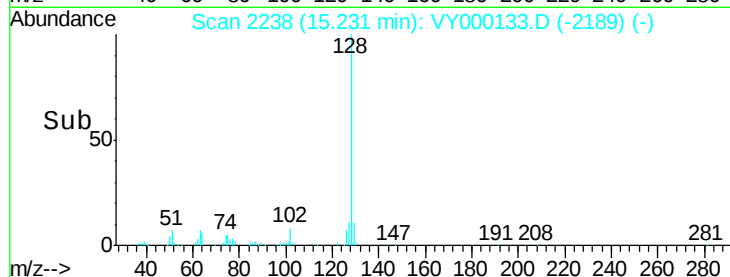
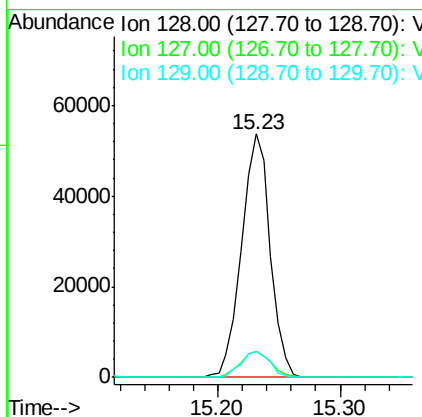
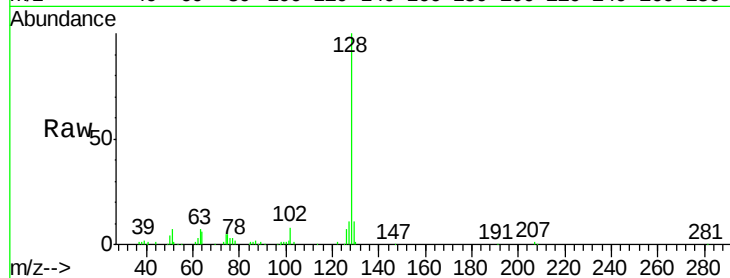
#95
Naphthalene
Concen: 20.764 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0923SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.7	14.5
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.032 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VY000133.D
Acq: 23 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.4	142.3
145	35.3	17.5	52.6

