

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000012.D
 Acq On : 11 Sep 2019 20:43
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:40 PM

Quant Time: Sep 19 11:30:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	272007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	75572	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.72	113	72152	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.18	98	308645	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.48	95	101647	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	3994	3.809	ug/l	93
3) Chloromethane	2.11	50	8625	4.379	ug/l	92
4) Vinyl Chloride	2.25	62	6022	3.720	ug/l	100
5) Bromomethane	2.63	94	4591	4.861	ug/l	98
6) Chloroethane	2.78	64	4295	4.024	ug/l #	84
7) Trichlorofluoromethane	3.12	101	7837	3.931	ug/l	97
8) Diethyl Ether	3.53	74	3007	3.846	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.89	101	5140	3.851	ug/l #	85
10) Methyl Iodide	4.08	142	4716	3.037	ug/l	99
11) Tert butyl alcohol	4.98	59	2974	17.465	ug/l	100
12) 1,1-Dichloroethene	3.87	96	4698	3.637	ug/l #	84
13) Acrolein	3.74	56	3056	22.034	ug/l	91
14) Allyl chloride	4.48	41	7768	3.953	ug/l	96
15) Acrylonitrile	5.18	53	9225	17.982	ug/l	97
16) Acetone	3.96	43	6832	17.295	ug/l	94
17) Carbon Disulfide	4.19	76	11705	4.324	ug/l #	93
18) Methyl Acetate	4.50	43	4935	4.113	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	12041	3.309	ug/l	99
20) Methylene Chloride	4.71	84	8421	5.183	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	5359	3.850	ug/l #	82
22) Diisopropyl ether	6.12	45	13972	3.270	ug/l #	95
23) Vinyl Acetate	6.06	43	48340	16.690	ug/l	97
24) 1,1-Dichloroethane	6.01	63	9189	3.591	ug/l	94
25) 2-Butanone	7.01	43	10397	16.669	ug/l	96
26) 2,2-Dichloropropane	6.98	77	7557	3.454	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	6244	3.576	ug/l	97
28) Bromochloromethane	7.34	49	3884	3.294	ug/l	92
29) Tetrahydrofuran	7.35	42	7115	18.259	ug/l	94
30) Chloroform	7.51	83	9309	3.594	ug/l	87
31) Cyclohexane	7.78	56	10978	4.958	ug/l #	62
32) 1,1,1-Trichloroethane	7.71	97	7574	3.543	ug/l	100
36) 1,1-Dichloropropene	7.92	75	7148	3.635	ug/l	97
37) Ethyl Acetate	7.09	43	4222	3.140	ug/l #	90
38) Carbon Tetrachloride	7.91	117	6280	3.327	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	9534	3.933	ug/l #	84
40) Benzene	8.16	78	22308	3.528	ug/l	95
41) Methacrylonitrile	7.32	41	2588m	3.211	ug/l	
42) 1,2-Dichloroethane	8.24	62	5959	3.615	ug/l	89
43) Isopropyl Acetate	8.28	43	8921	3.609	ug/l	96
44) Trichloroethene	8.94	130	5206	3.200	ug/l	82
45) 1,2-Dichloropropane	9.21	63	5532	3.409	ug/l #	84
46) Dibromomethane	9.31	93	2969	3.381	ug/l	91
47) Bromodichloromethane	9.49	83	6368	3.027	ug/l #	90
48) Methyl methacrylate	9.30	41	4067	3.725	ug/l	93
49) 1,4-Dioxane	9.29	88	1389	80.464	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	22345	16.422	ug/l	99
52) Toluene	10.24	92	13437	3.376	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	7182	3.250	ug/l #	86
54) cis-1,3-Dichloropropene	9.93	75	8277	3.209	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4413	3.242	ug/l #	85
56) Ethyl methacrylate	10.51	69	6585	3.360	ug/l #	93
57) 1,3-Dichloropropane	10.79	76	7211	3.210	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.78	63	13378	13.233	ug/l	99
59) 2-Hexanone	10.84	43	16028	16.544	ug/l	97
60) Dibromochloromethane	10.98	129	4319	2.977	ug/l	99
61) 1,2-Dibromoethane	11.09	107	4618	3.688	ug/l	88
64) Tetrachloroethene	10.72	164	5078	3.670	ug/l	93
65) Chlorobenzene	11.51	112	12896	3.083	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.59	131	4759	3.362	ug/l	95
67) Ethyl Benzene	11.59	91	25198	3.297	ug/l	97
68) m/p-Xylenes	11.70	106	19638	6.764	ug/l	100
69) o-Xylene	12.02	106	9735	3.486	ug/l	97
70) Styrene	12.04	104	15330	3.153	ug/l	98
71) Bromoform	12.20	173	2548	2.971	ug/l #	95
73) Isopropylbenzene	12.33	105	24138	3.337	ug/l	99
74) N-amyl acetate	12.14	43	6396	3.186	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	5711	3.428	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	3299m	2.923	ug/l	
77) Bromobenzene	12.60	156	5194	3.369	ug/l	99
78) n-propylbenzene	12.66	91	28245	3.227	ug/l	97
79) 2-Chlorotoluene	12.75	91	15888	3.272	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	19727	3.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	2022	3.101	ug/l	89
82) 4-Chlorotoluene	12.85	91	16048	3.164	ug/l	95
83) tert-Butylbenzene	13.07	119	17172	3.376	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	18556	3.173	ug/l	92
85) sec-Butylbenzene	13.25	105	24812	3.272	ug/l	99
86) p-Isopropyltoluene	13.37	119	21038	3.299	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	9937	3.341	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	10161	3.388	ug/l	89
89) n-Butylbenzene	13.69	91	21174	3.322	ug/l	97
90) Hexachloroethane	13.96	117	4321	3.349	ug/l	85
91) 1,2-Dichlorobenzene	13.73	146	9388	3.352	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.34	75	1147	3.697	ug/l	91

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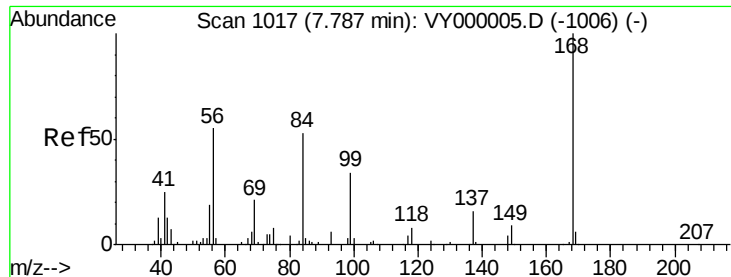
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5614	3.287	ug/l	96
94) Hexachlorobutadiene	15.10	225	2630	3.180	ug/l	96
95) Naphthalene	15.23	128	15665	3.355	ug/l	96
96) 1,2,3-Trichlorobenzene	15.41	180	5360	3.500	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:168 Resp: 139664

Ion Ratio Lower Upper

168 100

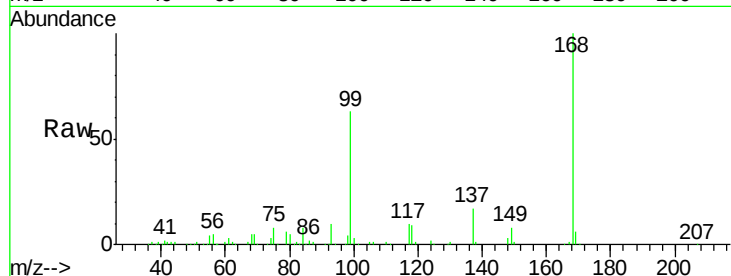
99 62.6 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000005.D (-1006) (-)

Ion 98.90 (98.60 to 99.60): VY000012.D (-968) (-)

7.79

60000

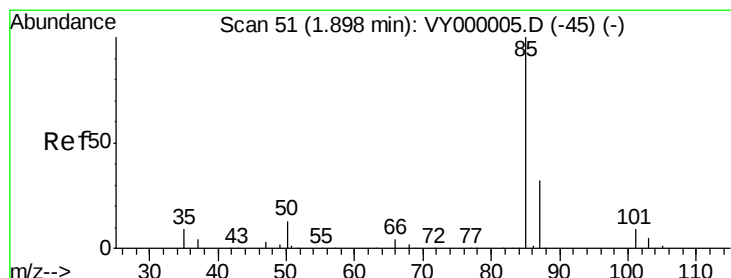
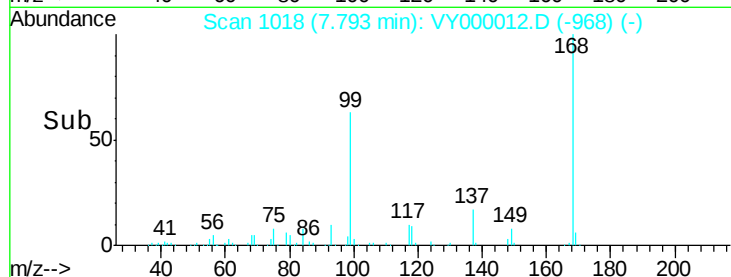
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.809 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000012.D

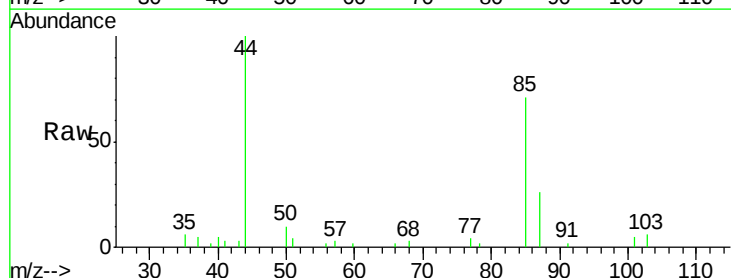
Acq: 11 Sep 2019 20:43

Tgt Ion: 85 Resp: 3994

Ion Ratio Lower Upper

85 100

87 36.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY000005.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000012.D (-2) (-)

1.90

3000

2500

2000

1500

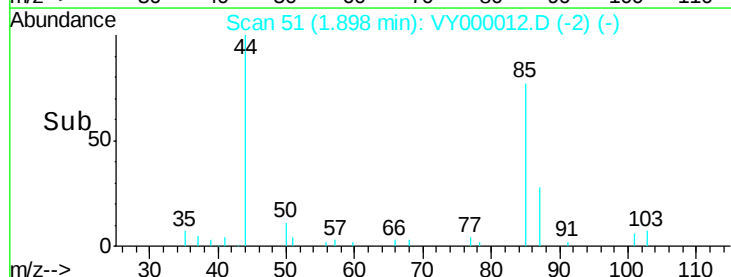
1000

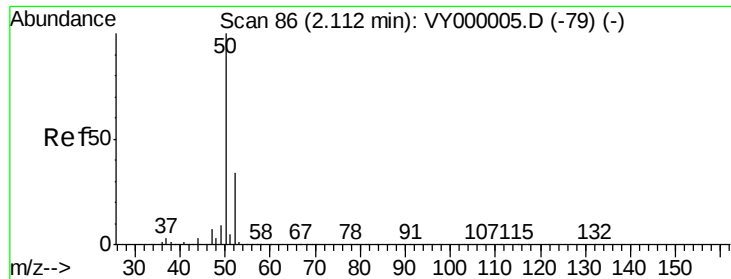
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.379 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 50 Resp: 8625

Ion Ratio Lower Upper

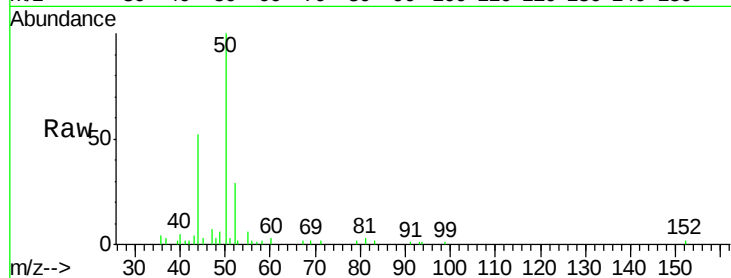
50 100

52 29.0 26.8 40.2

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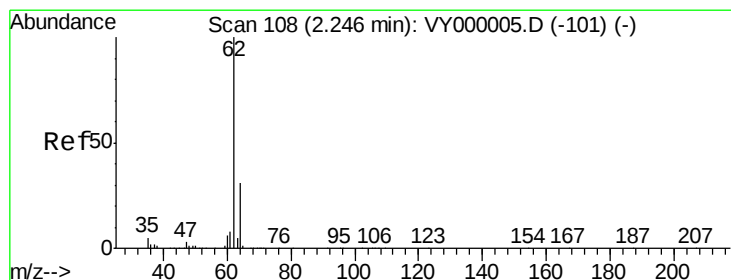
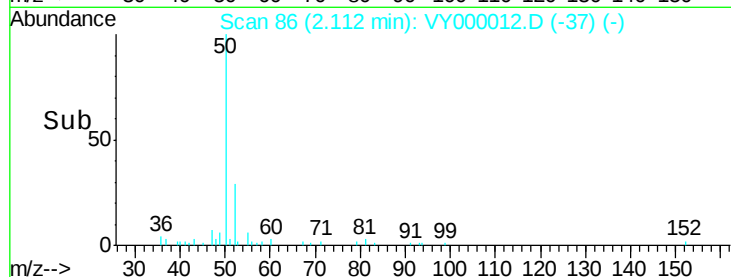
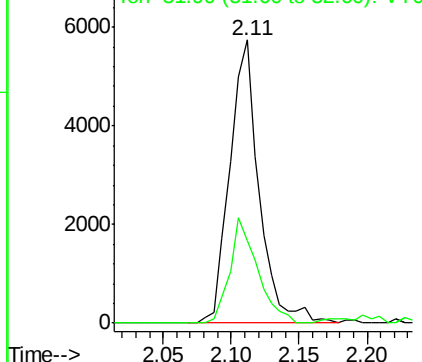
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 3.720 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000012.D

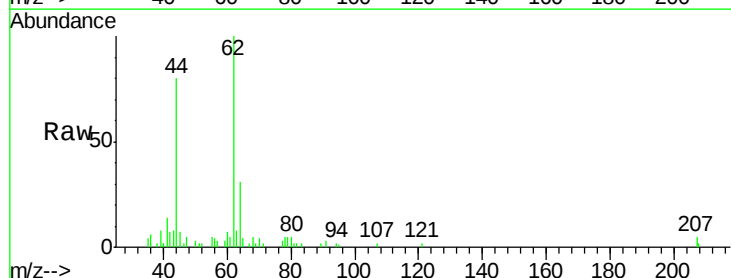
Acq: 11 Sep 2019 20:43

Tgt Ion: 62 Resp: 6022

Ion Ratio Lower Upper

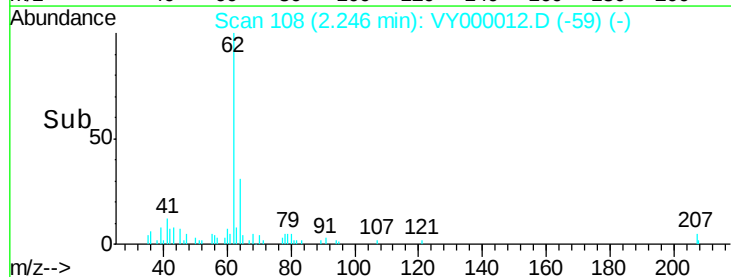
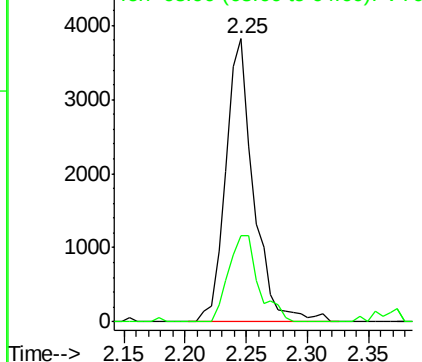
62 100

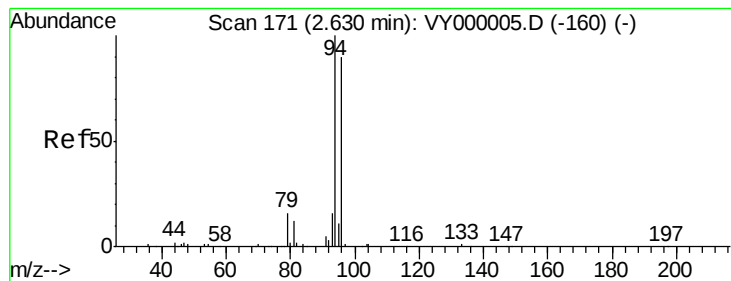
64 30.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 4.861 ug/l

RT: 2.63 min Scan# 171

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 94 Resp: 4591

Ion Ratio Lower Upper

94 100

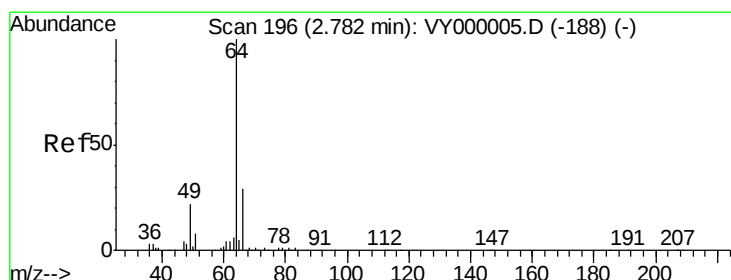
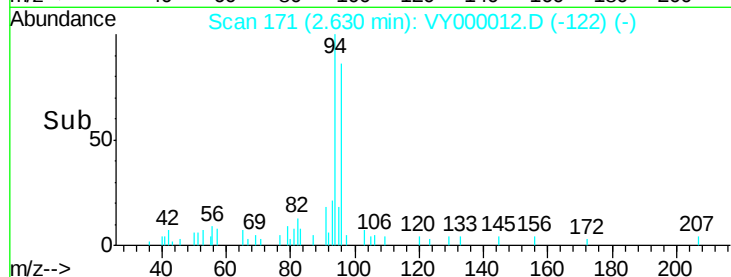
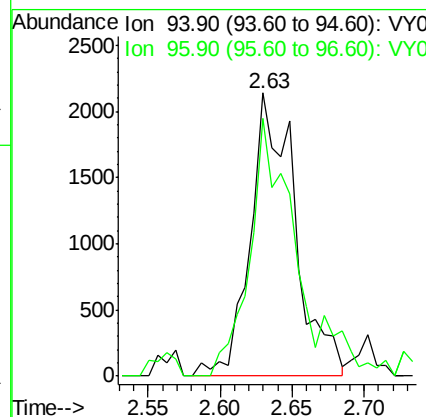
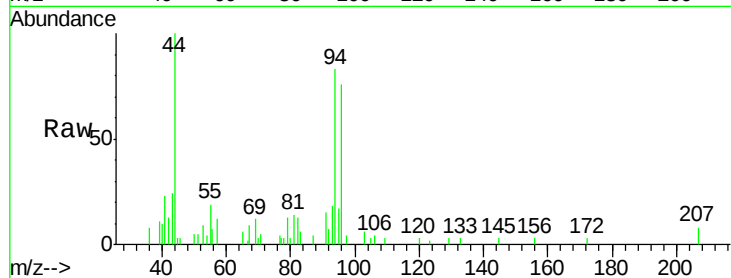
96 90.9 71.6 107.4

Manual Integrations

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#6

Chloroethane

Concen: 4.024 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000012.D

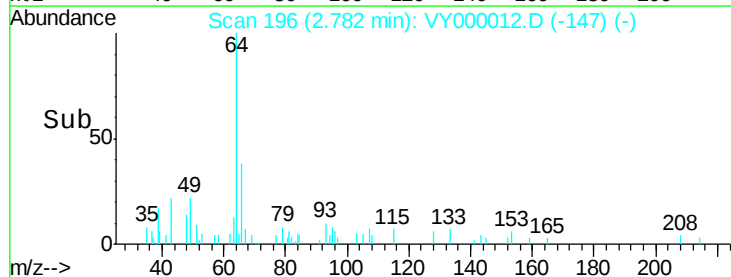
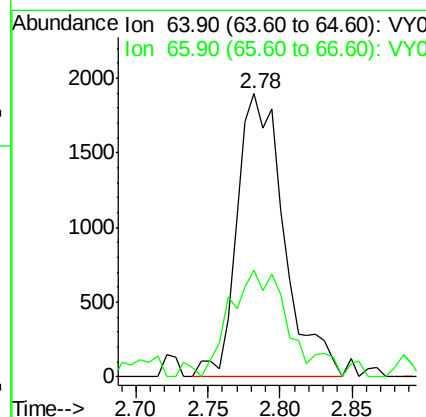
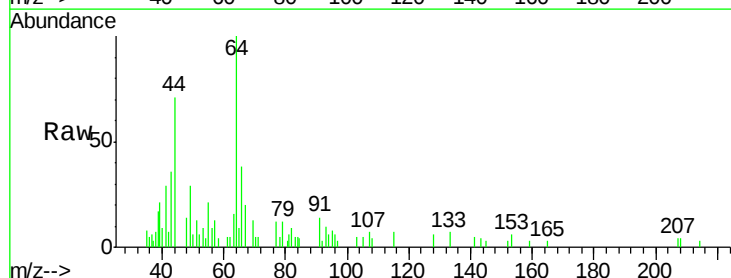
Acq: 11 Sep 2019 20:43

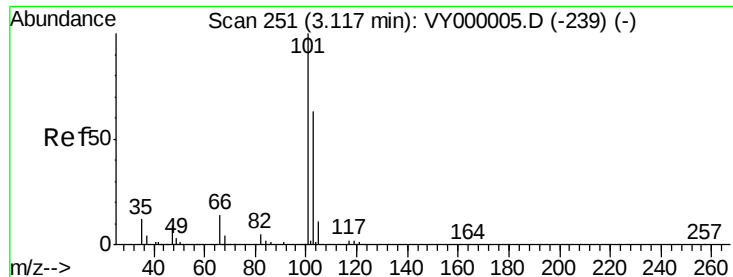
Tgt Ion: 64 Resp: 4295

Ion Ratio Lower Upper

64 100

66 37.9 23.5 35.3#





#7

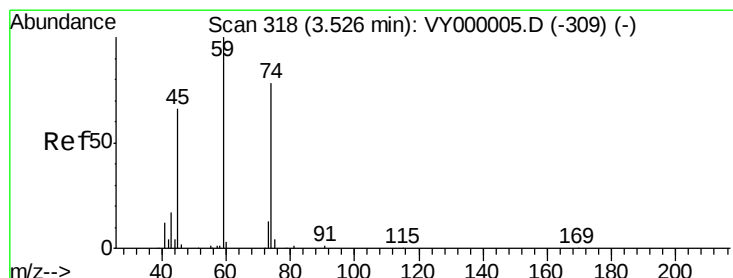
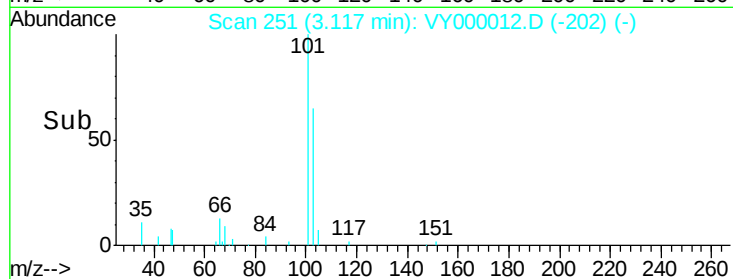
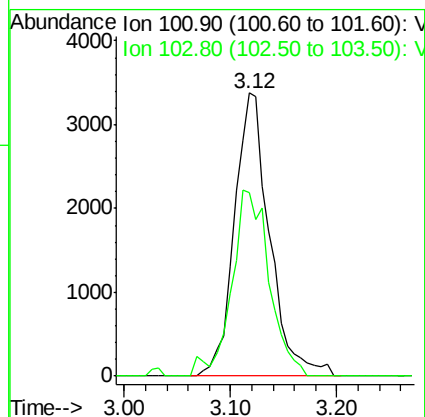
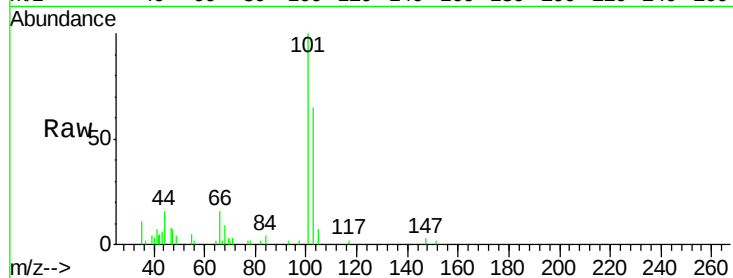
Trichlorofluoromethane
 Concen: 3.931 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.0	75.0

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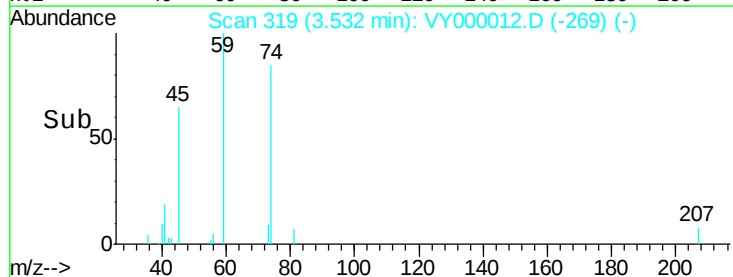
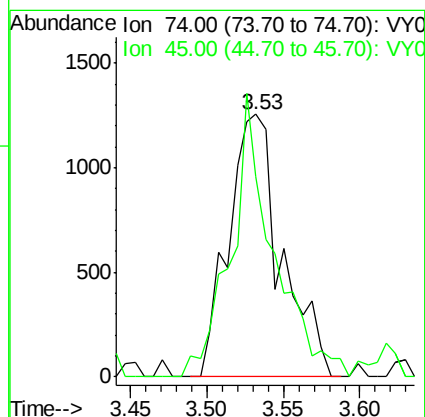
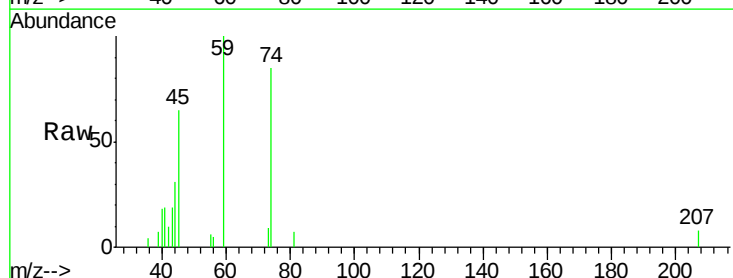
MMDadoda
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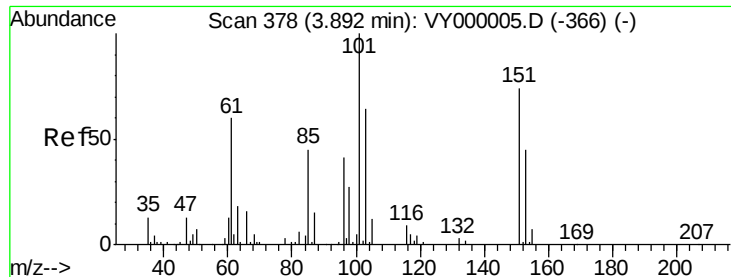


#8

Diethyl Ether
 Concen: 3.846 ug/l
 RT: 3.53 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.851 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

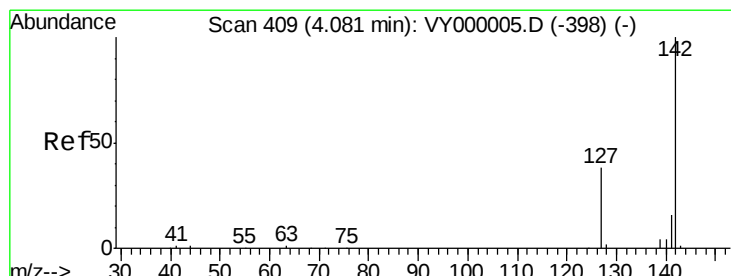
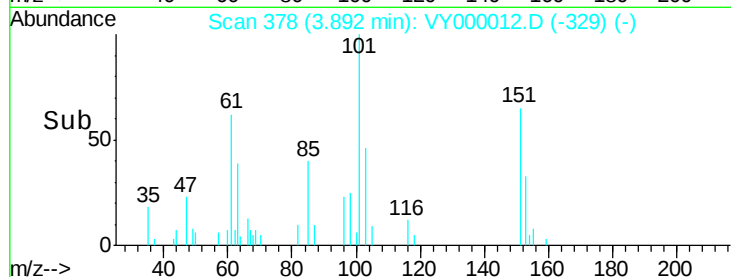
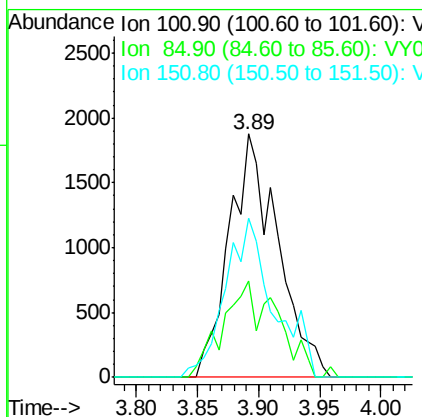
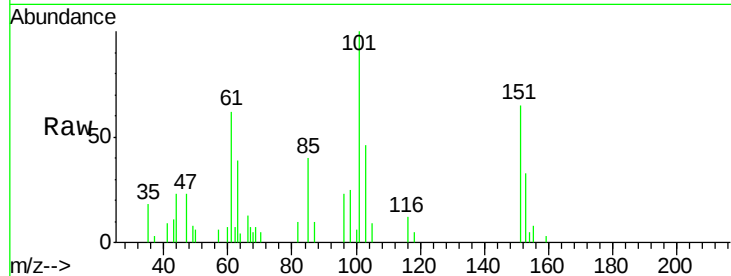
ClientSampleId :

MDL 3 PPB

Tot Ion:	101	Resp:	5140
Ion Ratio	Lower	Upper	
101	100		
85	25.8	34.0	51.0#
151	64.9	57.3	85.9

Manual Integrations
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#10

Methyl Iodide

Concen: 3.037 ug/l

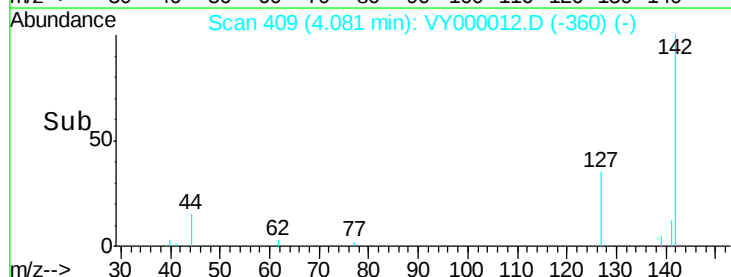
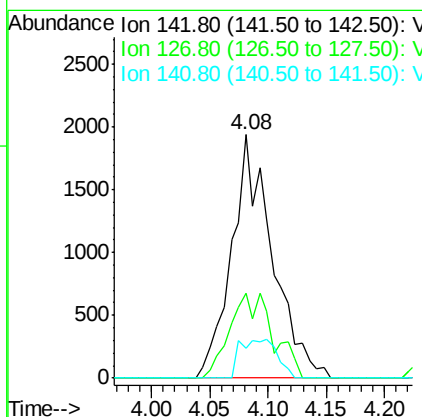
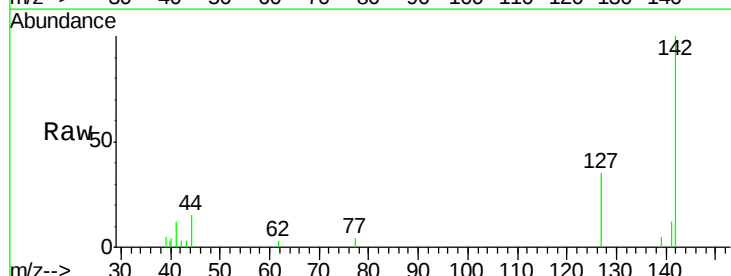
RT: 4.08 min Scan# 409

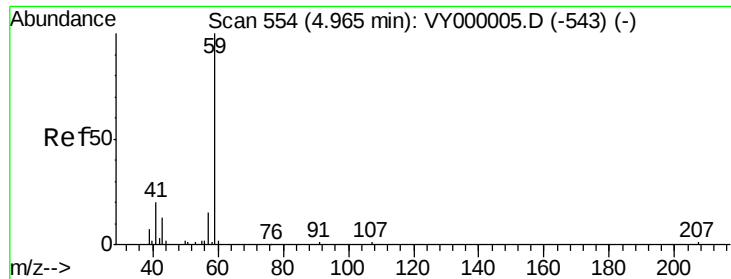
Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	142	Resp:	4716
Ion Ratio	Lower	Upper	
142	100		
127	37.1	30.0	45.0
141	14.5	11.0	16.4





#11

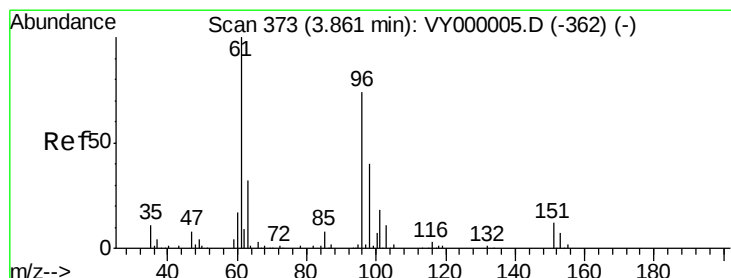
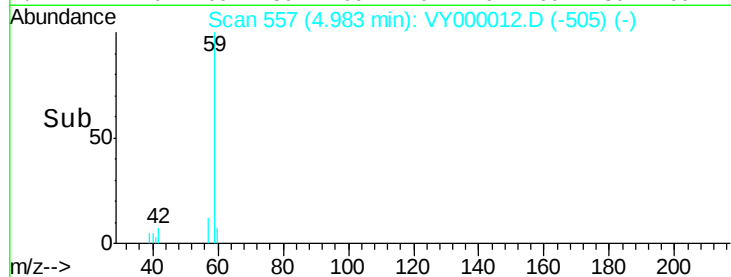
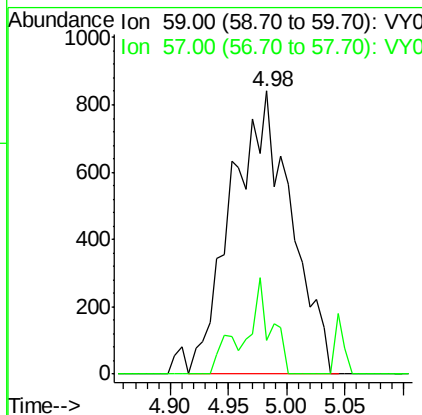
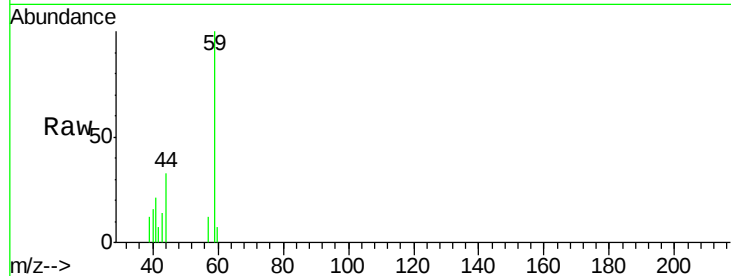
Tert butyl alcohol
 Concen: 17.465 ug/l
 RT: 4.98 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

Manual Integrations
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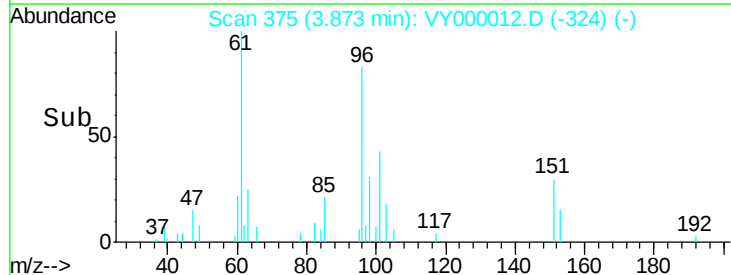
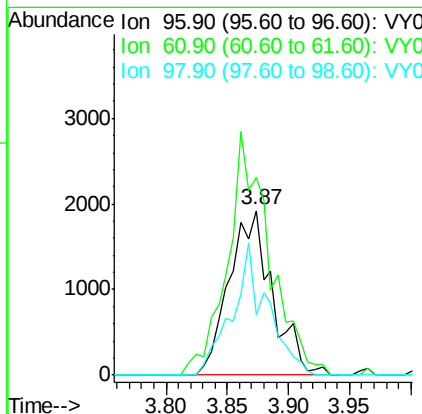
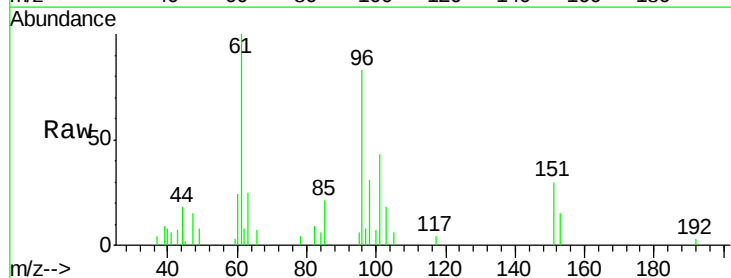
MMDadoda
 9/13/2019 11:51:40 PM

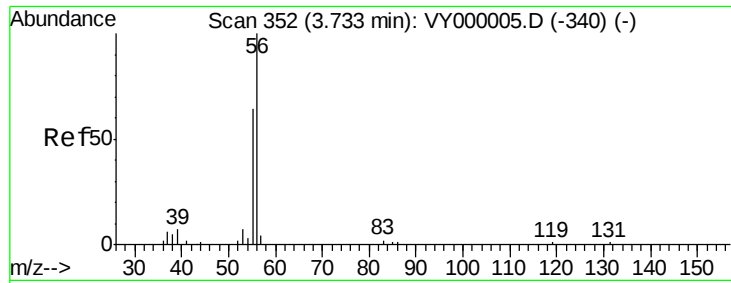


#12

1,1-Dichloroethene
 Concen: 3.637 ug/l
 RT: 3.87 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.2	108.1	162.1
98	36.7	42.8	64.2#





#13

Acrolein

Concen: 22.034 ug/l

RT: 3.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

Tot Ion: 56 Resp: 3056

Ion Ratio Lower Upper

56 100

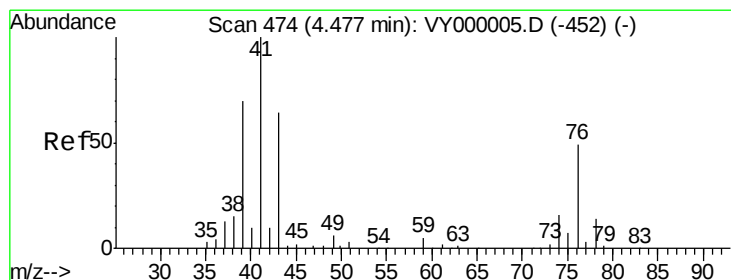
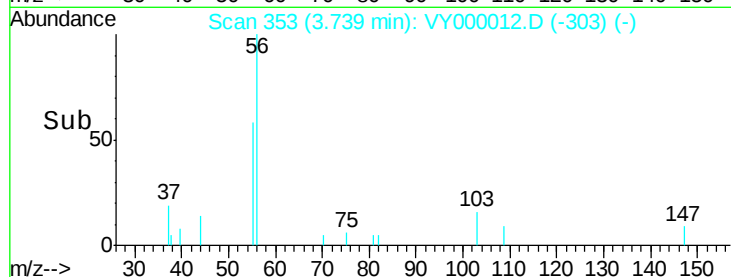
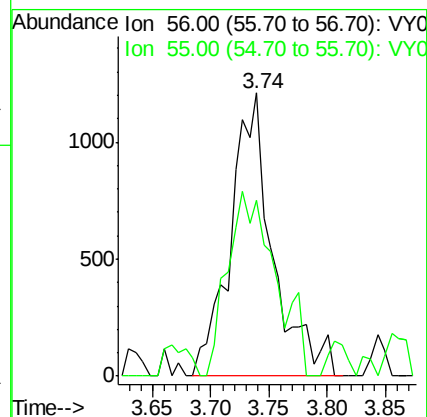
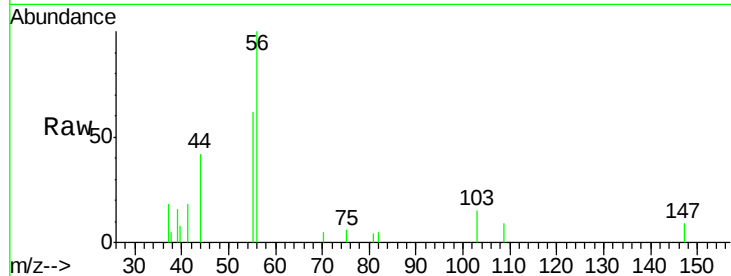
55 74.0 53.3 79.9

Manual Integrations

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#14

Allyl chloride

Concen: 3.953 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

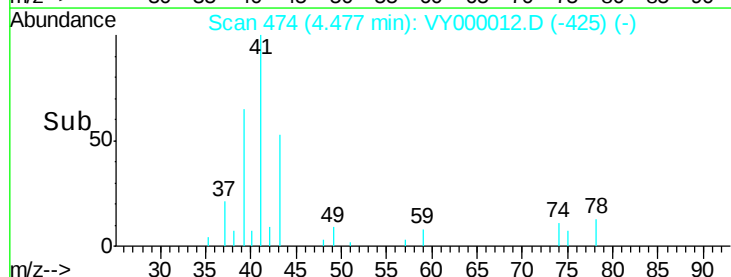
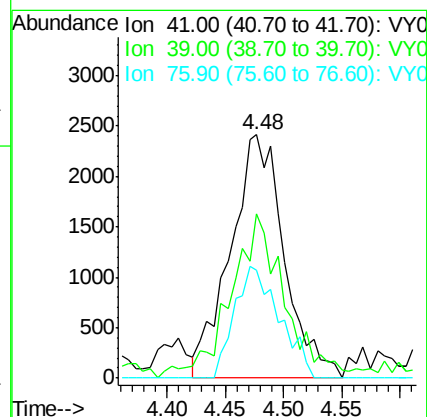
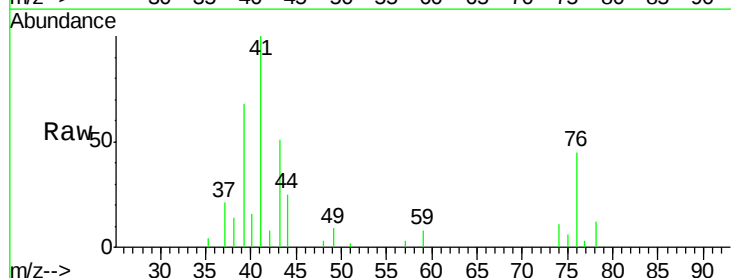
Tgt Ion: 41 Resp: 7768

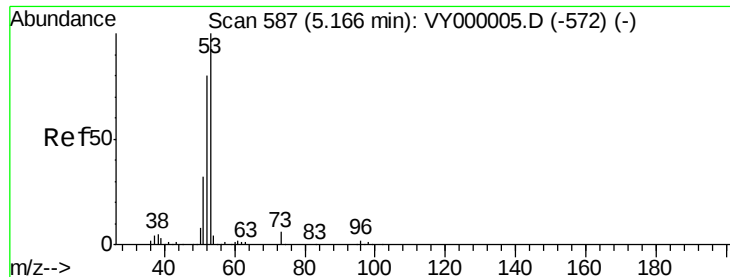
Ion Ratio Lower Upper

41 100

39 67.6 52.4 78.6

76 38.3 33.3 49.9





#15

Acrylonitrile

Concen: 17.982 ug/l

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

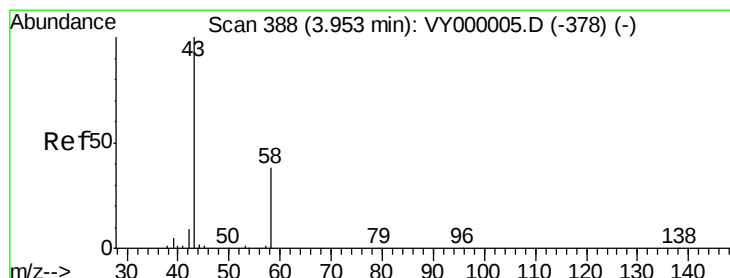
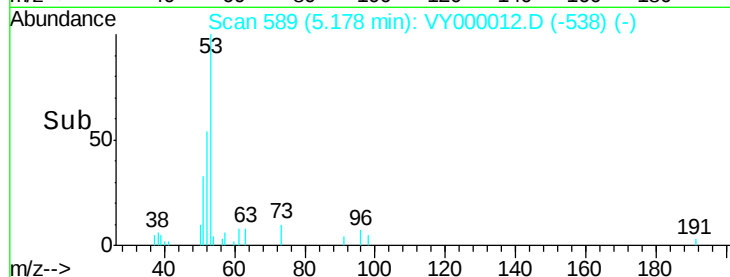
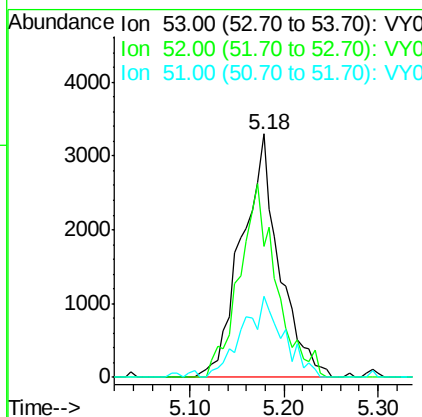
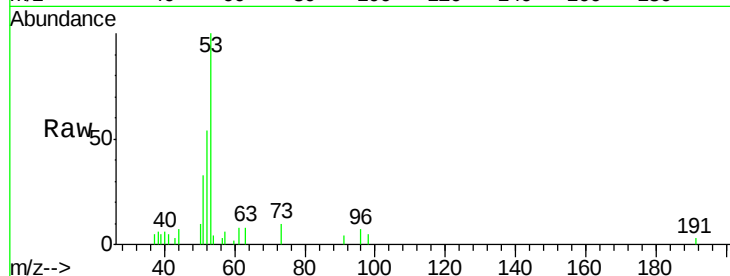
ClientSampleId :

MDL 3 PPB

Tot Ion:	53	Resp:	9225
Ion	Ratio	Lower	Upper
53	100		
52	77.9	64.4	96.6
51	36.1	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 17.295 ug/l

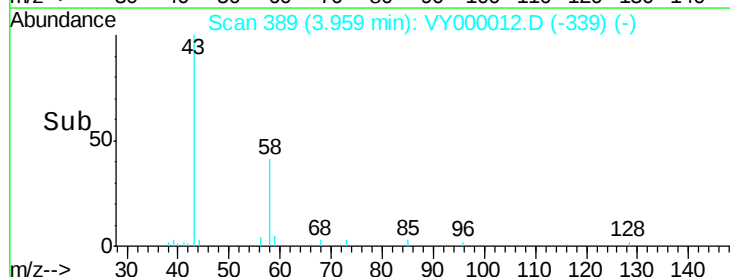
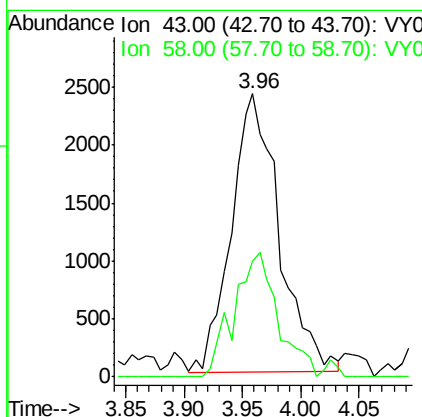
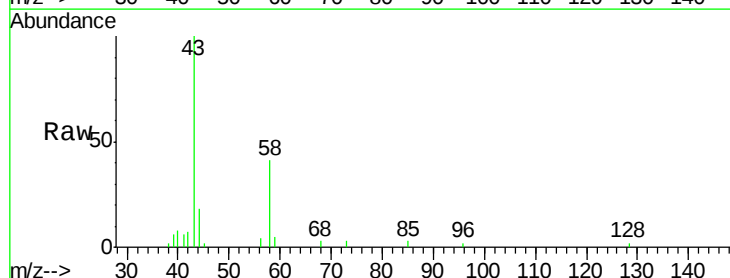
RT: 3.96 min Scan# 389

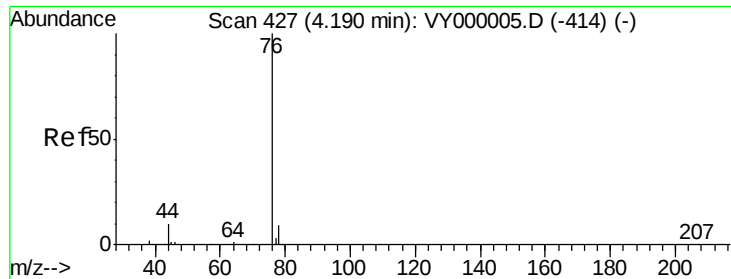
Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	43	Resp:	6832
Ion	Ratio	Lower	Upper
43	100		
58	41.8	30.5	45.7





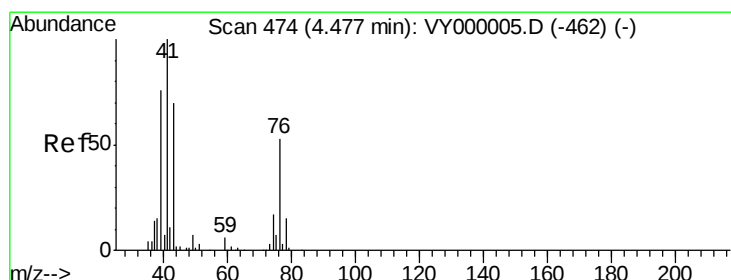
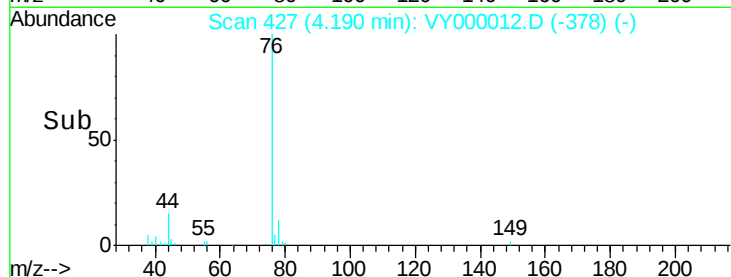
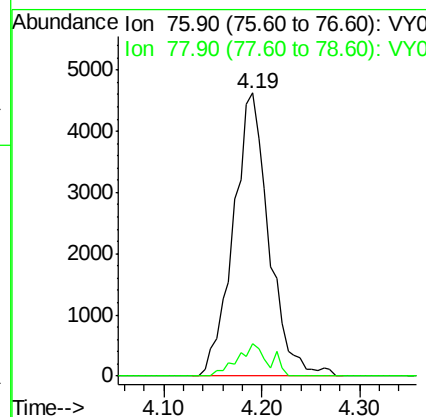
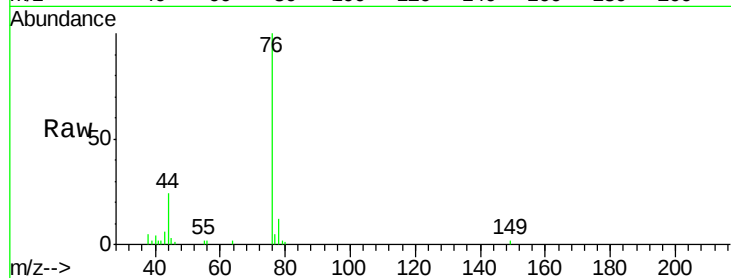
#17
Carbon Disulfide
Concen: 4.324 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 76 Resp: 11705
Ion Ratio Lower Upper
76 100
78 11.6 7.2 10.8#

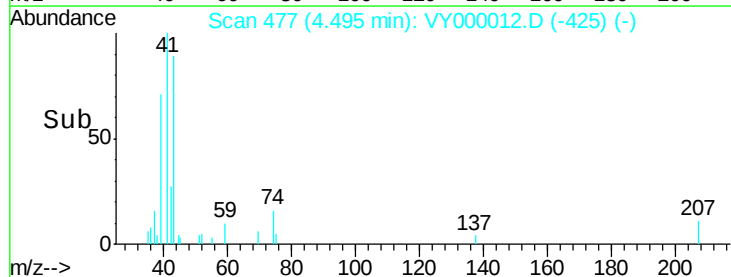
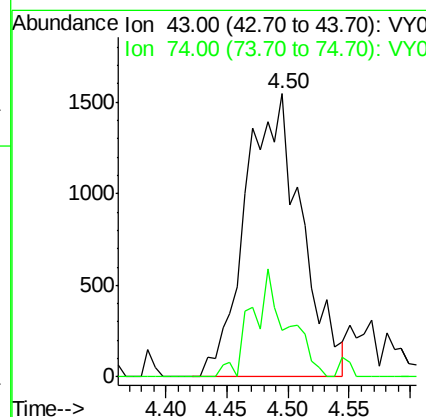
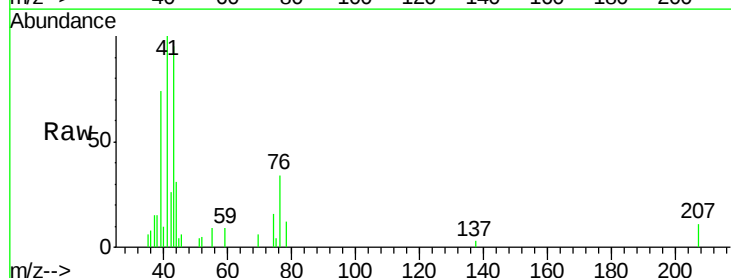
Manual Integrations
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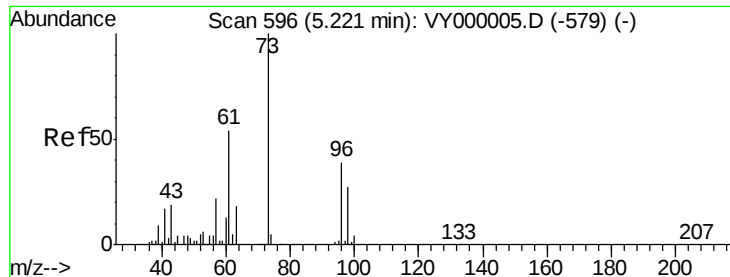
MMDadoda
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#18
Methyl Acetate
Concen: 4.113 ug/l
RT: 4.50 min Scan# 477
Delta R.T. 0.02 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion: 43 Resp: 4935
Ion Ratio Lower Upper
43 100
74 24.5 21.4 32.2





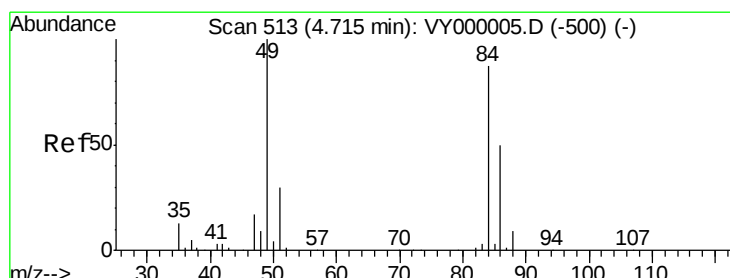
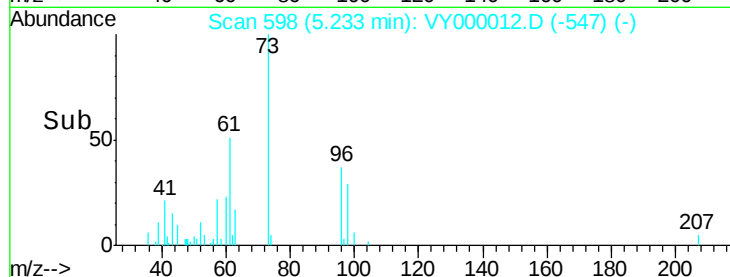
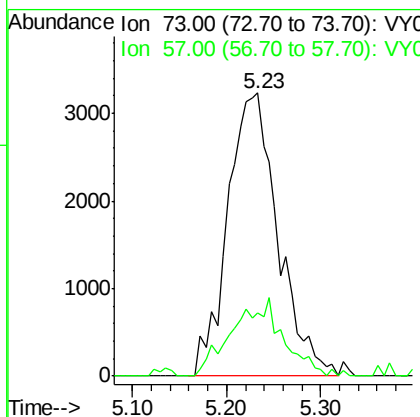
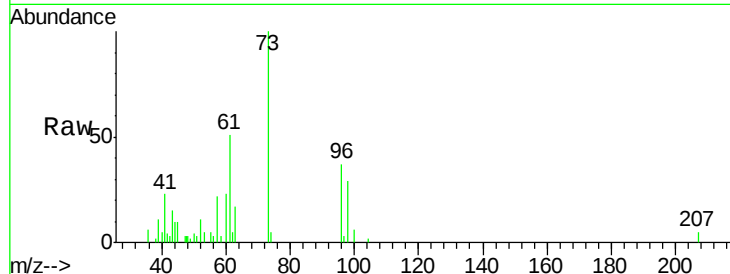
#19
Methvl tert-butvl Ether
Concen: 3.309 ug/l
RT: 5.23 min Scan# 598
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 73 Resp: 12041
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

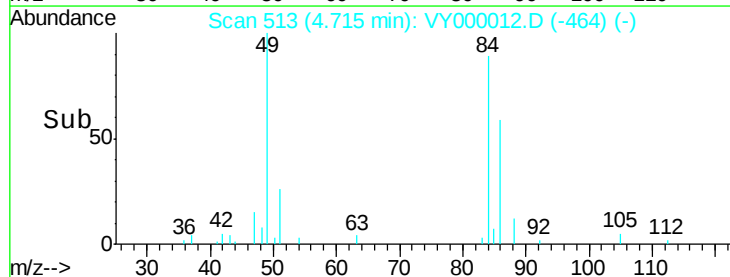
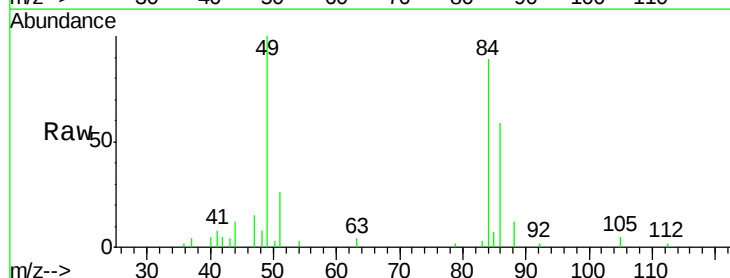
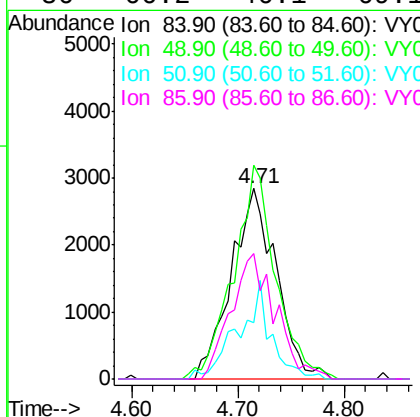
Manual Integrations
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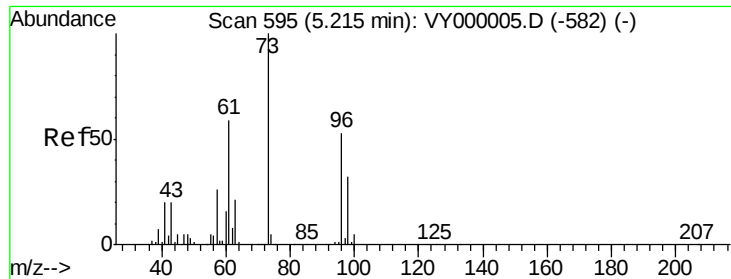
MMDadoda
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#20
Methylene Chloride
Concen: 5.183 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion: 84 Resp: 8421
Ion Ratio Lower Upper
84 100
49 112.3 91.7 137.5
51 29.5 28.0 42.0
86 66.2 46.1 69.1





#21

trans-1,2-Dichloroethene

Concen: 3.850 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

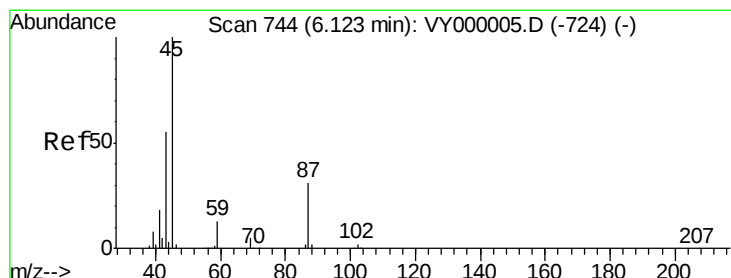
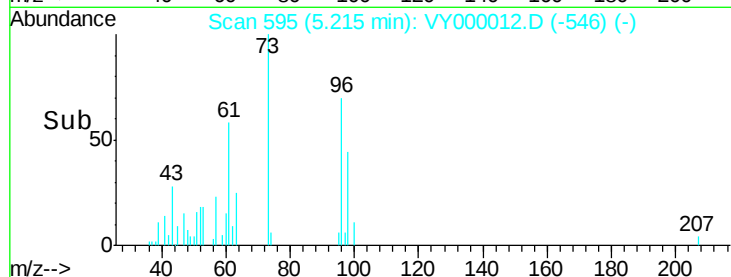
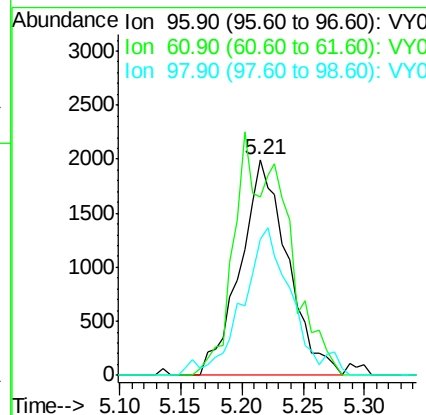
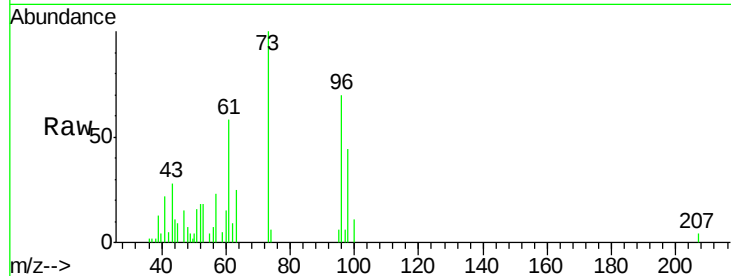
ClientSampleId :

MDL 3 PPB

Tot Ion:	96	Resp:	5359
Ion	Ratio	Lower	Upper
96	100		
61	82.9	89.4	134.2#
98	59.7	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 3.270 ug/l

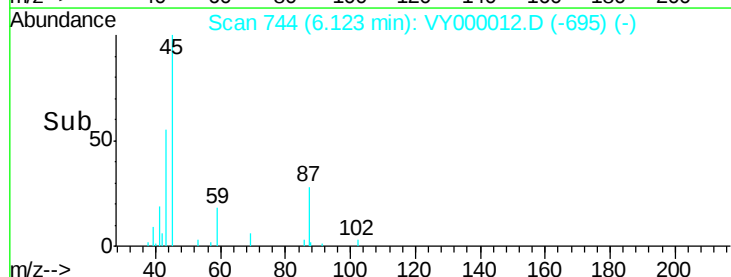
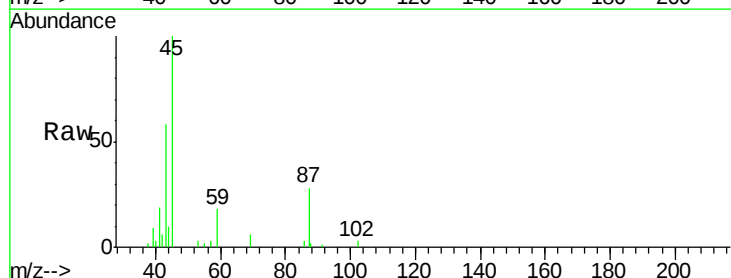
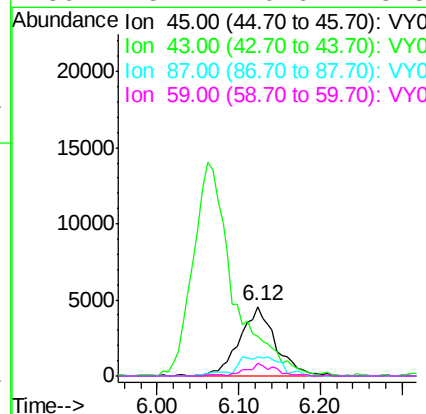
RT: 6.12 min Scan# 744

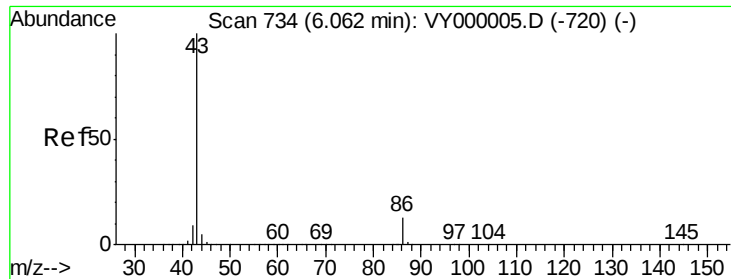
Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	45	Resp:	13972
Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.2	67.8
87	27.7	25.3	37.9
59	18.1	10.6	15.8#





#23

Vinyl Acetate

Concen: 16.690 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tot Ion	43	Resp	48340
Ion Ratio	100	Lower	Upper
43	100		
86	14.0	10.3	15.5

Instrument :

MSVOA_Y

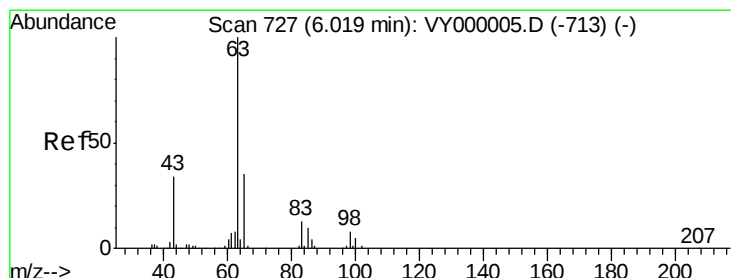
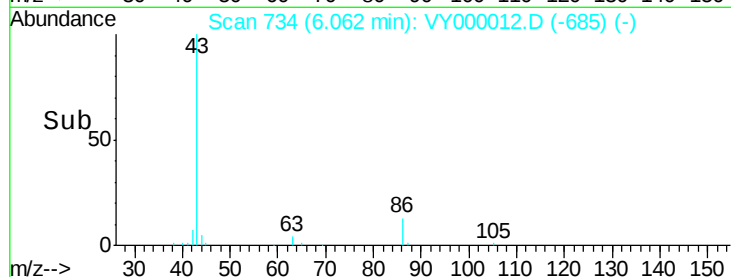
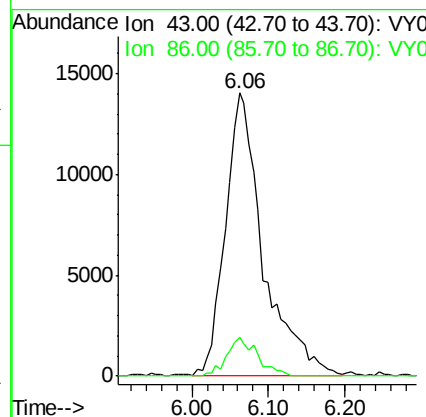
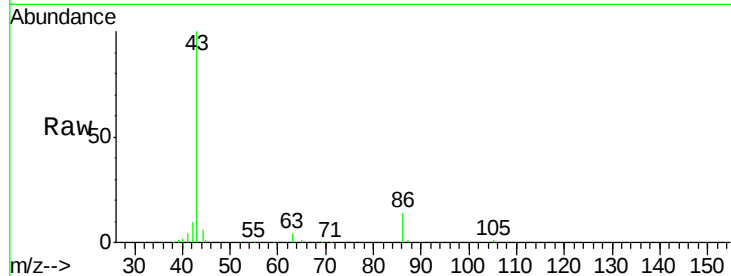
ClientSampleId :

MDL 3 PPB

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 3.591 ug/l

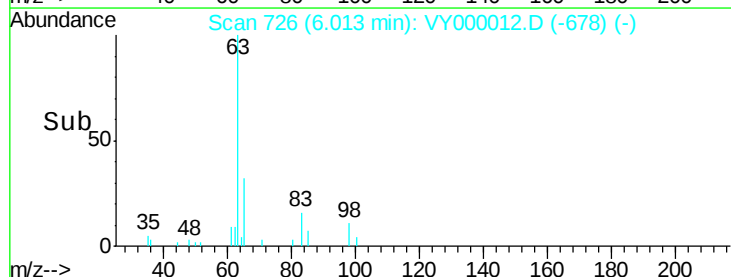
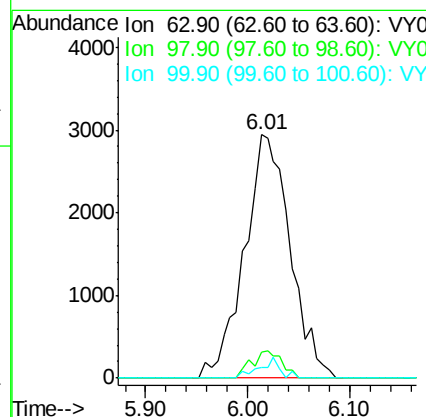
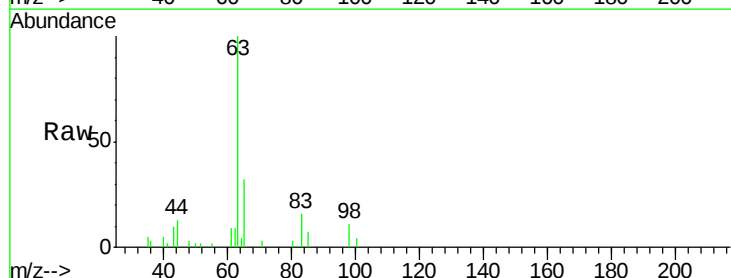
RT: 6.01 min Scan# 726

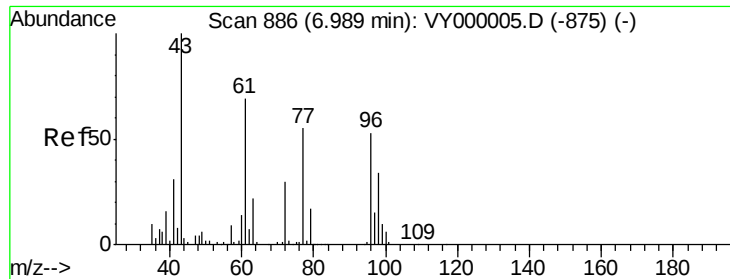
Delta R.T. -0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion	63	Resp	9189
Ion Ratio	100	Lower	Upper
63	100		
98	10.8	4.0	12.0
100	4.3	2.5	7.5





#25

2-Butanone

Concen: 16.669 ug/l

RT: 7.01 min Scan# 889

Delta R.T. 0.02 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

Tot Ion: 43 Resp: 10397

Ion Ratio Lower Upper

43 100

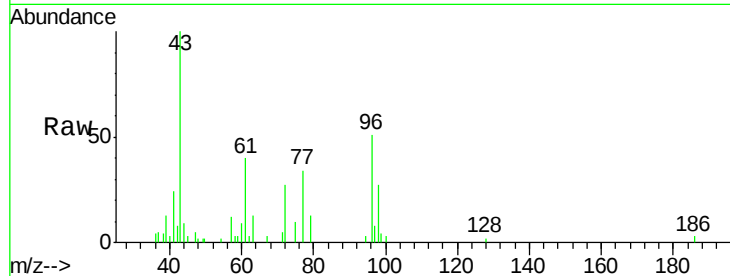
72 27.9 24.2 36.2

Manual Integrations

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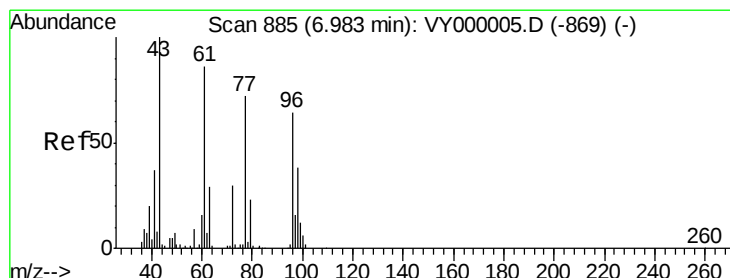
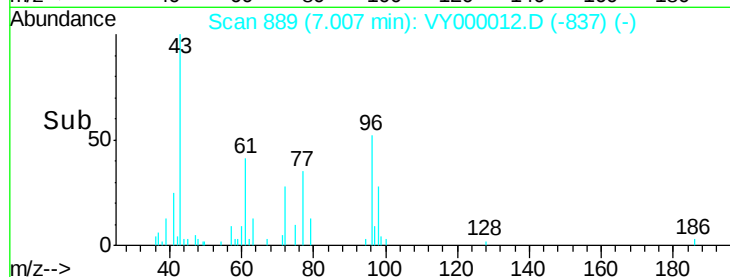
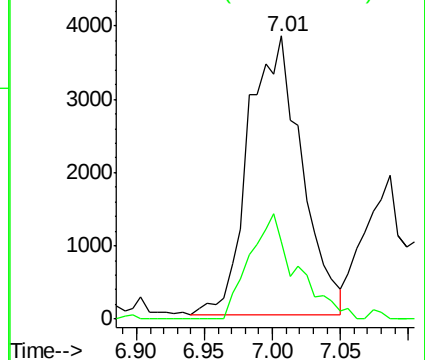
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.454 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000012.D

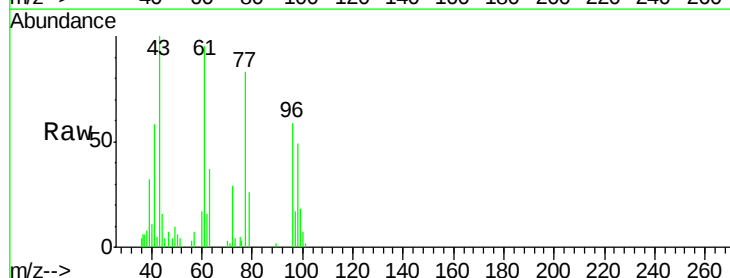
Acq: 11 Sep 2019 20:43

Tgt Ion: 77 Resp: 7557

Ion Ratio Lower Upper

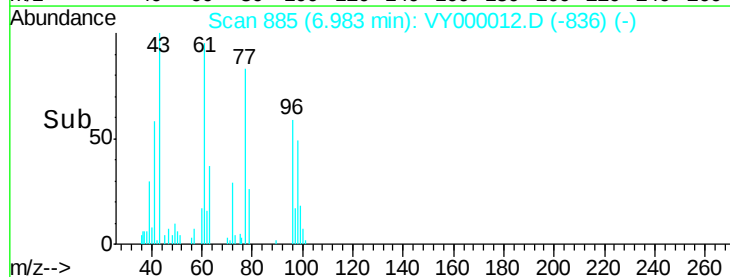
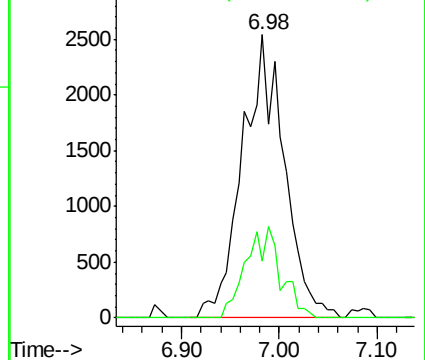
77 100

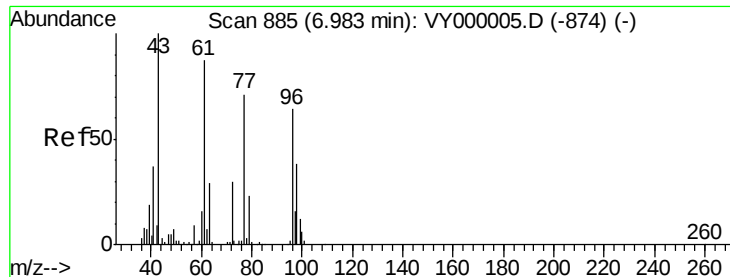
97 26.8 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

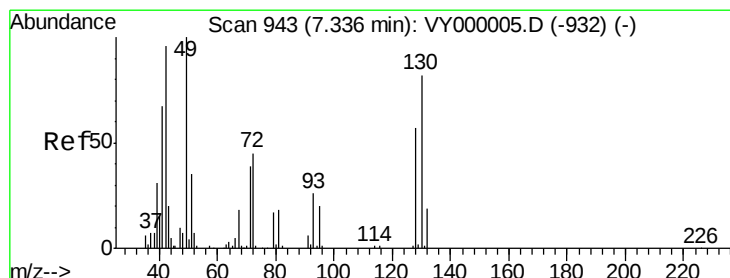
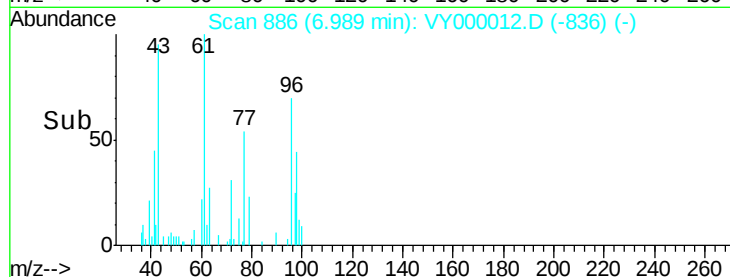
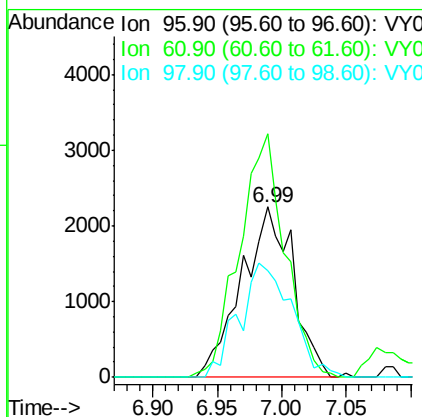
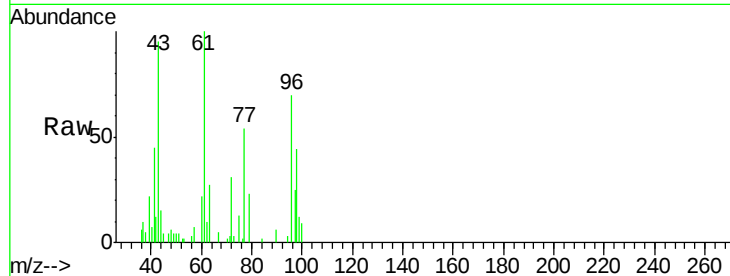
cis-1,2-Dichloroethene
Concen: 3.576 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	259.0
98	68.2	0.0	129.8

Manual Integrations
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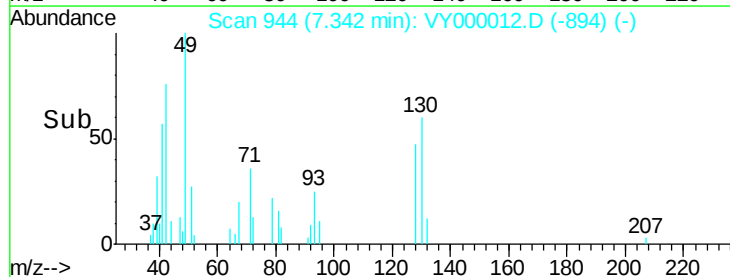
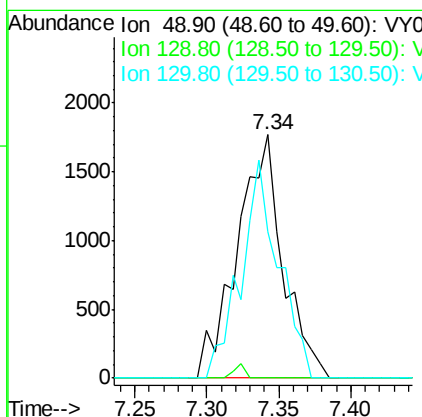
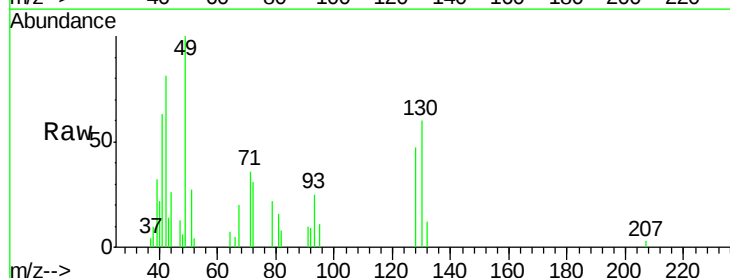
MMDadoda
9/13/2019 11:51:40 PM

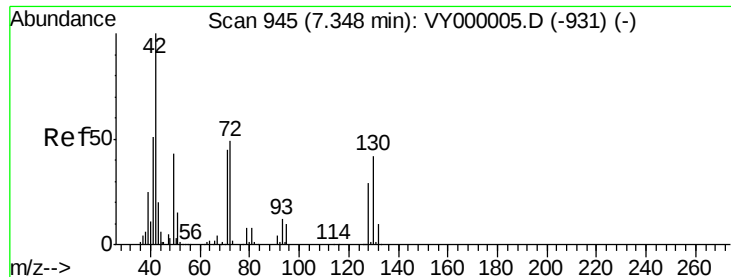


#28

Bromochloromethane
Concen: 3.294 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	74.1	65.3	97.9





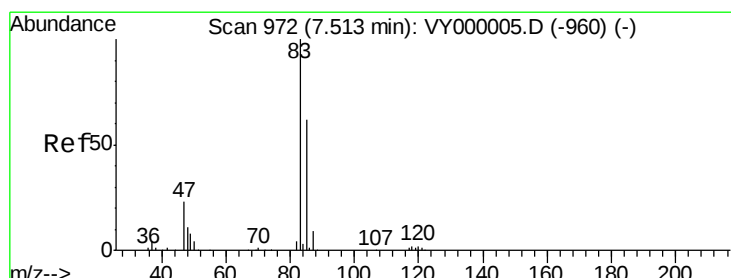
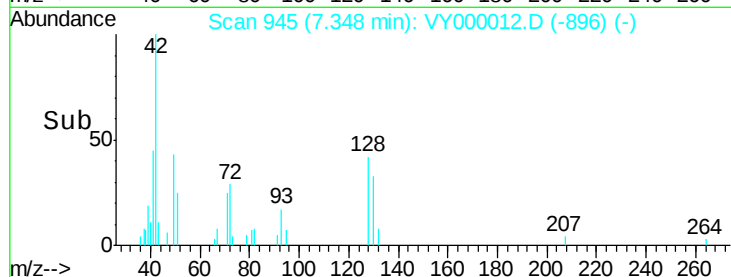
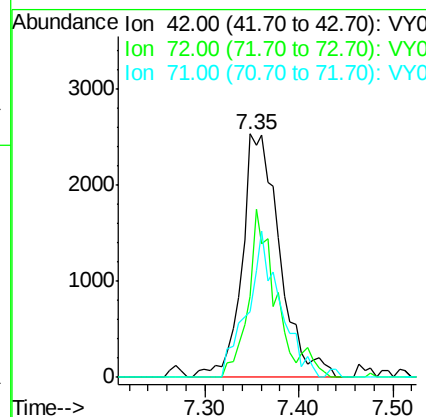
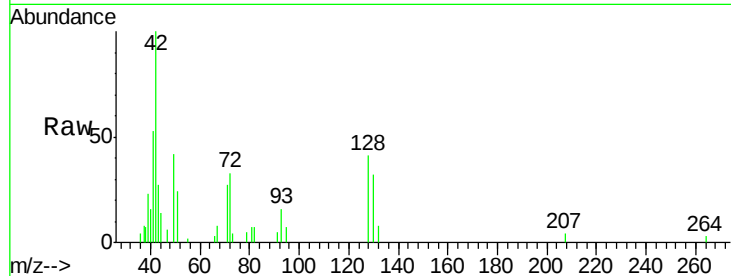
#29
Tetrahydrofuran
Concen: 18.259 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion:	42	Resp:	7115
Ion	Ratio	Lower	Upper
42	100		
72	46.9	39.2	58.8
71	51.5	36.4	54.6

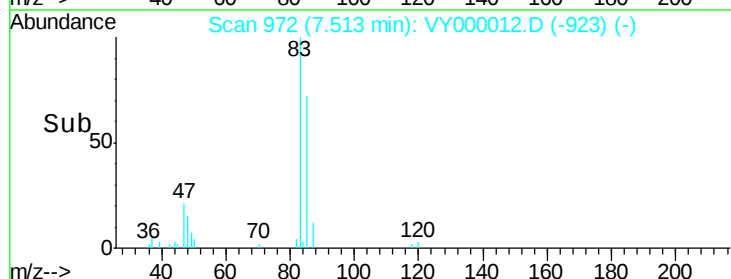
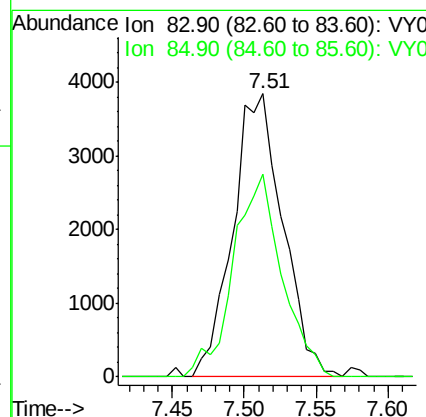
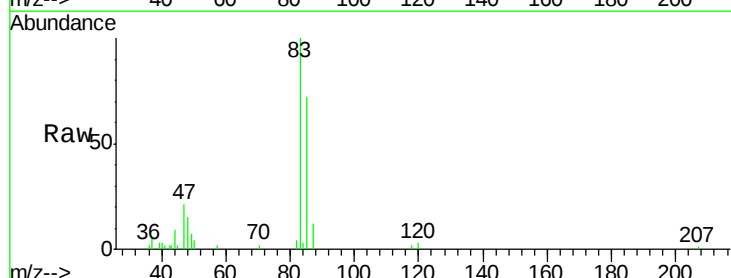
Manual Integrations
APPROVED

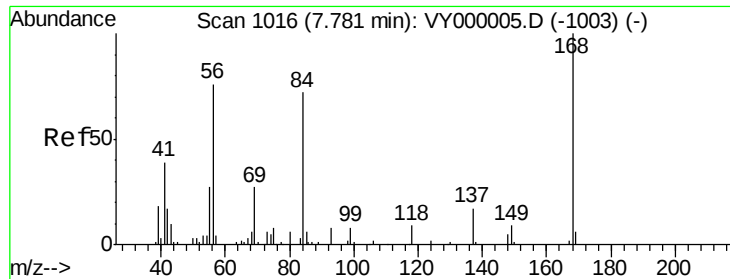
MMDadoda
9/13/2019 11:51:40 PM



#30
Chloroform
Concen: 3.594 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion:	83	Resp:	9309
Ion	Ratio	Lower	Upper
83	100		
85	71.6	49.4	74.0





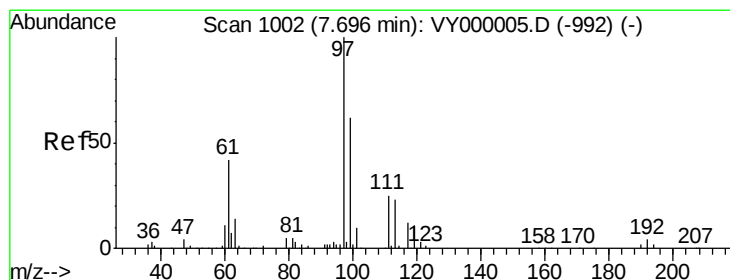
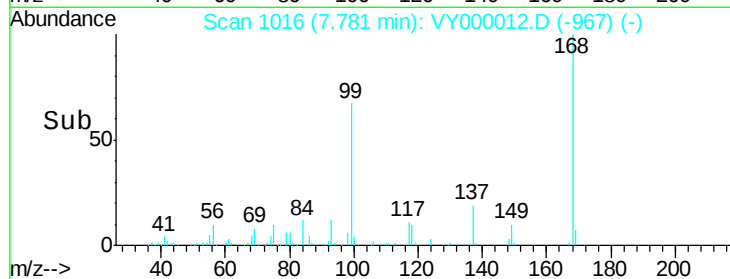
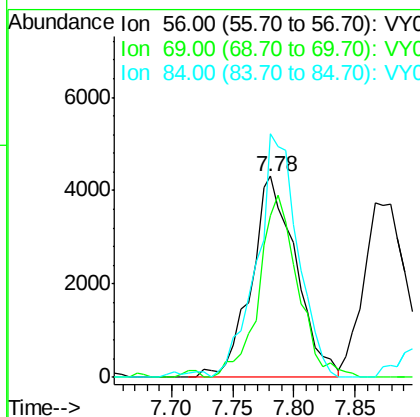
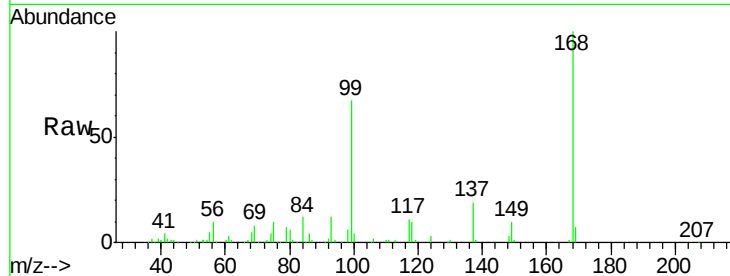
#31
Cyclohexane
Concen: 4.958 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
56	100		
69	77.0	28.5	42.7#
84	121.0	76.4	114.6#

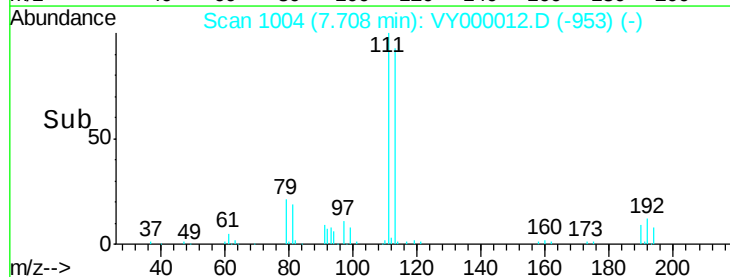
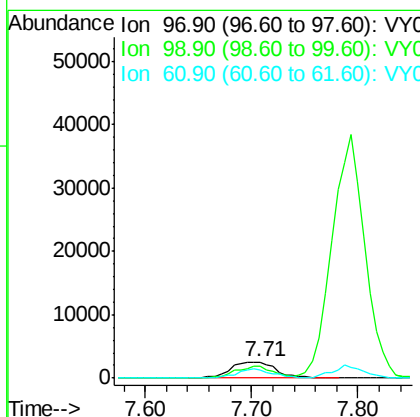
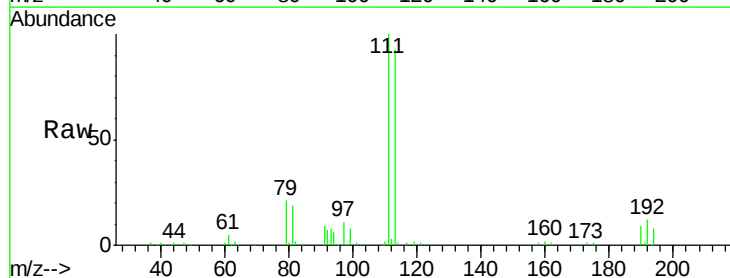
Manual Integrations
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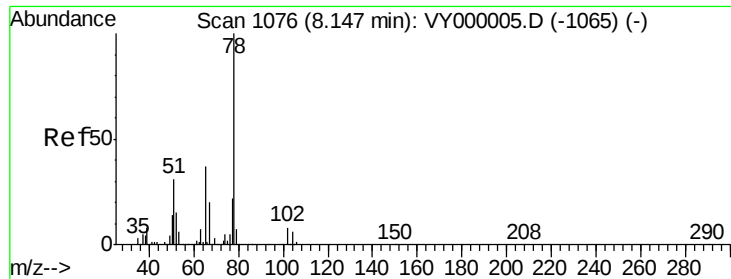
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 3.543 ug/l
RT: 7.71 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.3	75.5
61	43.8	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 53.378 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 65 Resp: 75572

Ion Ratio Lower Upper

65 100

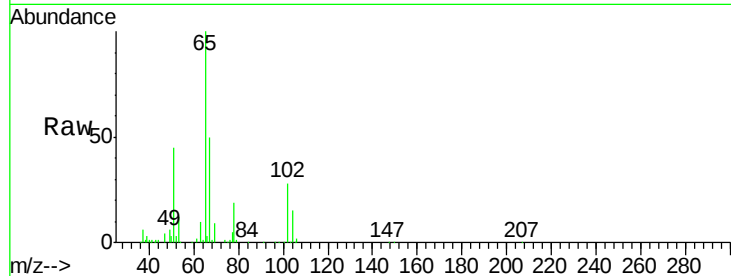
67 52.7 0.0 111.4

Manual Integrations

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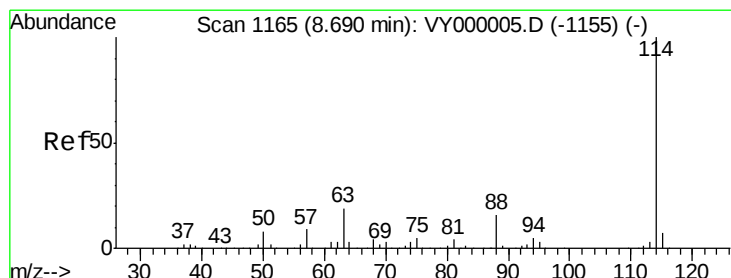
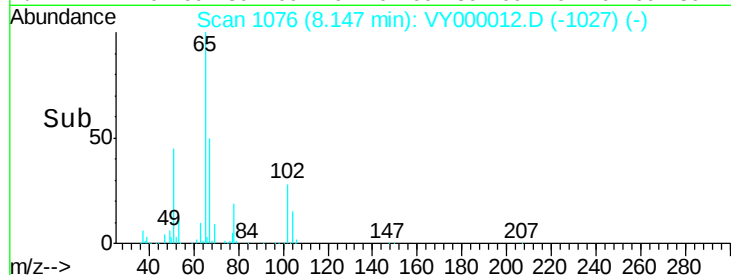
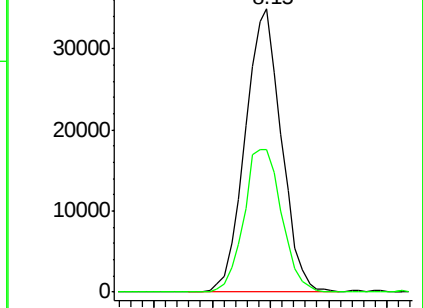
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

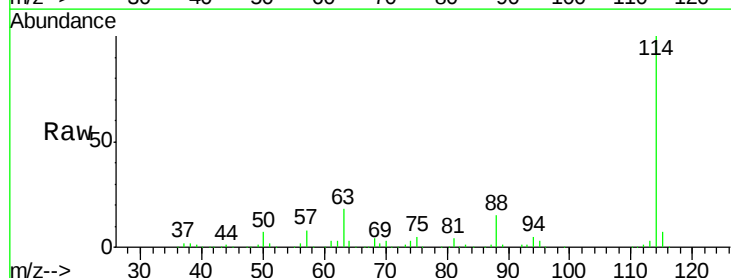
Tgt Ion: 114 Resp: 272007

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

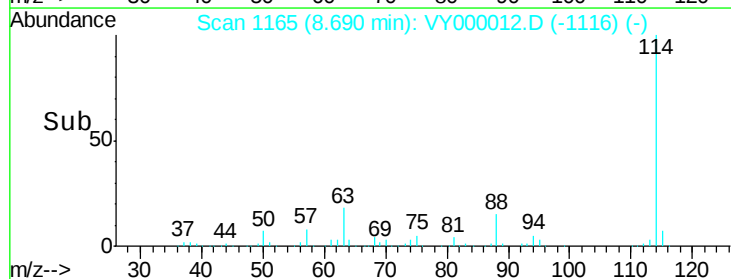
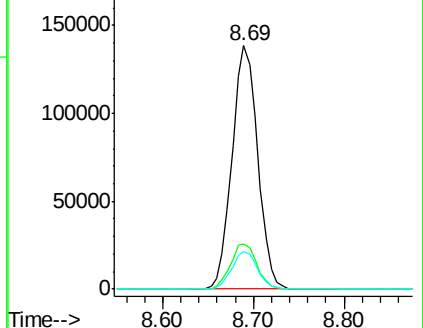
88 15.5 0.0 32.6

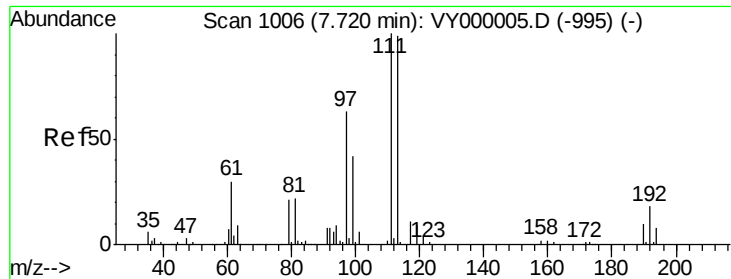


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





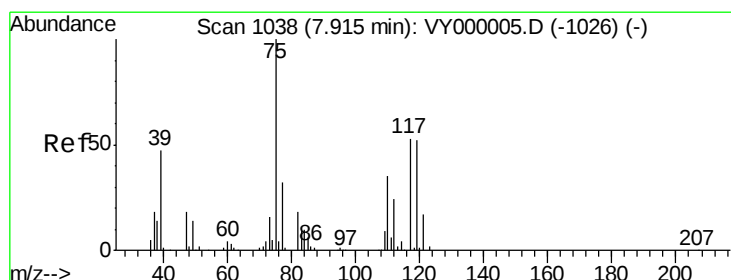
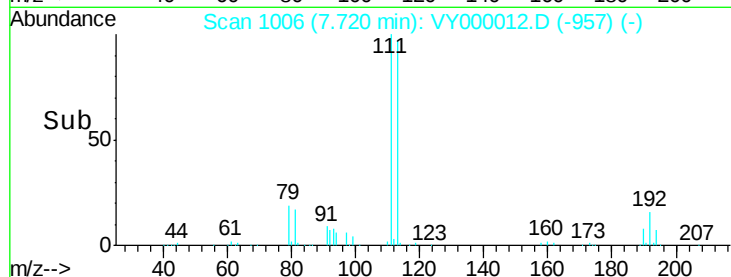
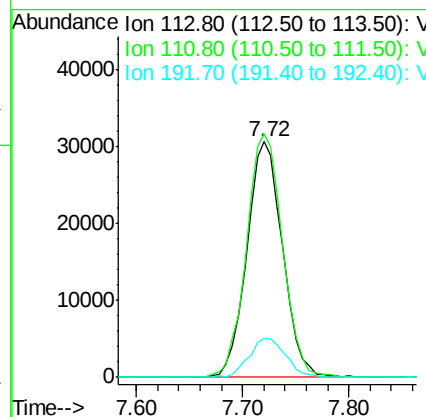
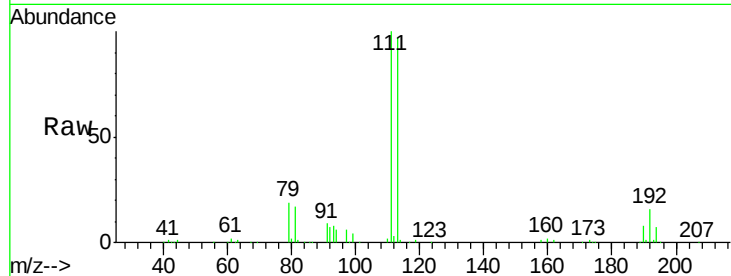
#35
 Dibromofluoromethane
 Concen: 47.451 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72152		
111	104.7		81.6	122.4
192	17.2		15.2	22.8

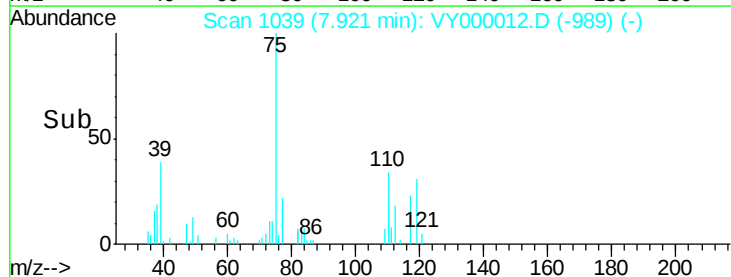
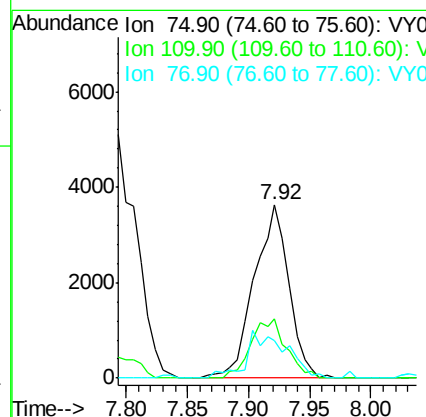
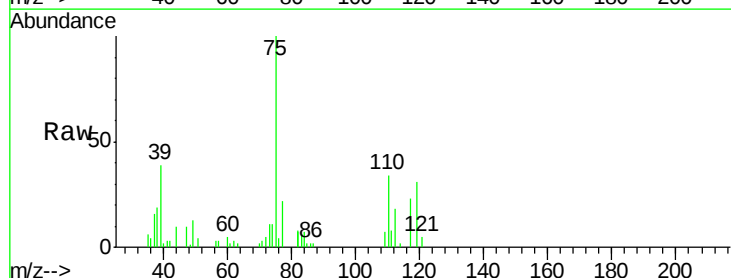
Manual Integrations
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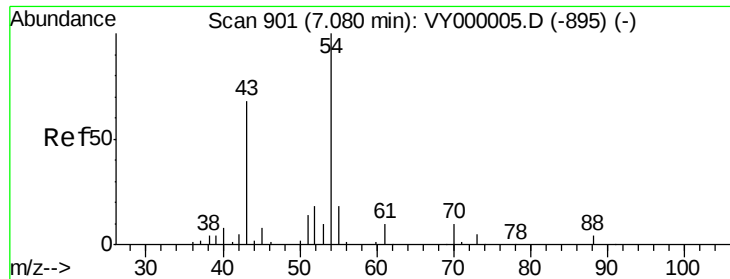
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 9/13/2019 11:51:40 PM



#36
 1,1-Dichloropropene
 Concen: 3.635 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7148		
110	35.0		18.7	56.1
77	31.2		25.6	38.4





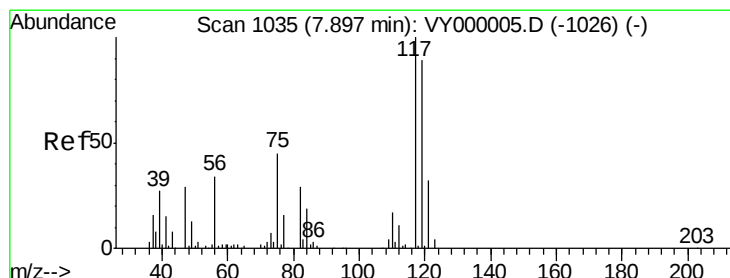
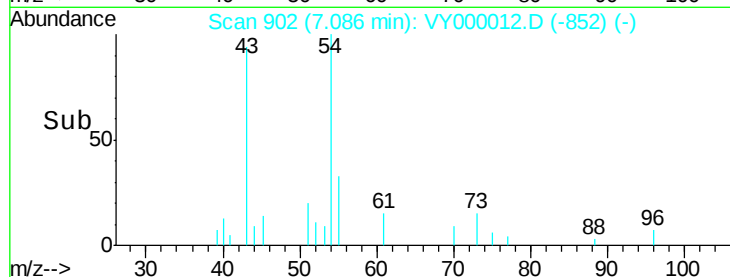
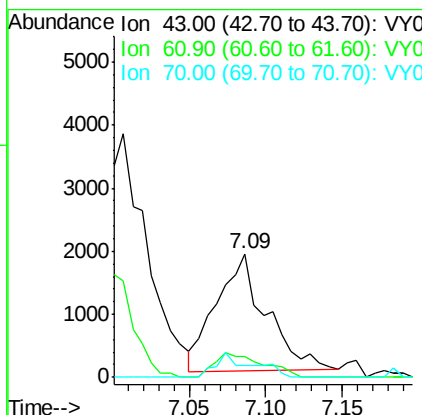
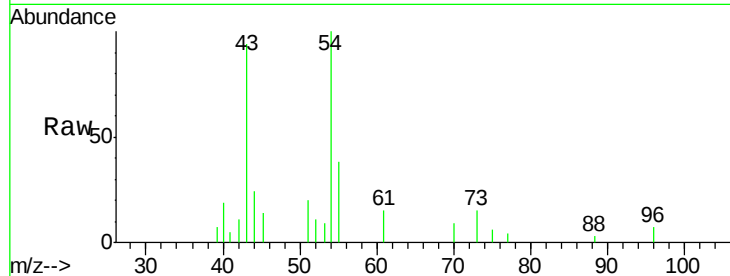
#37
Ethyl Acetate
Concen: 3.140 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	13.0	19.4#
70	9.5	11.0	16.4#

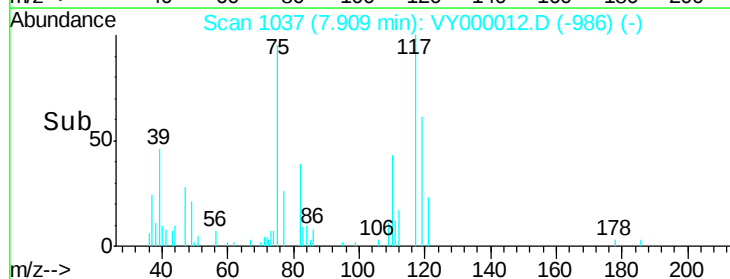
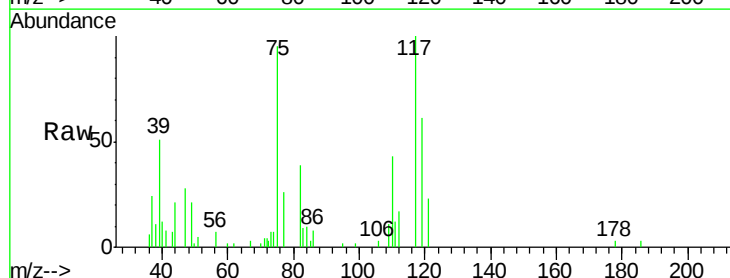
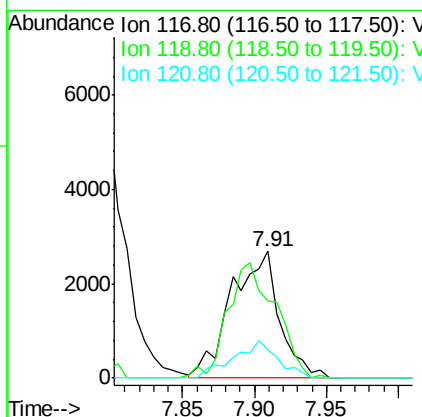
Manual Integrations
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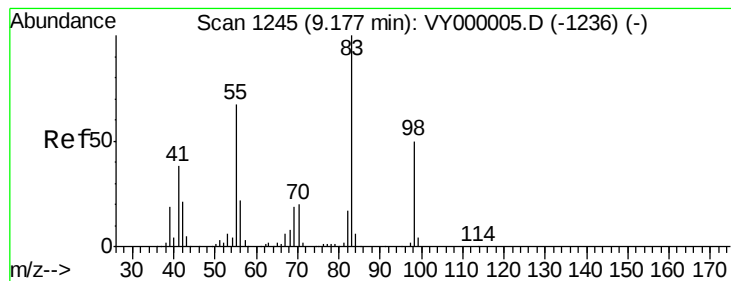
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#38
Carbon Tetrachloride
Concen: 3.327 ug/l
RT: 7.91 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	61.1	71.5	107.3#
121	22.9	25.3	37.9#





#39

Methvlcvclohexane

Concen: 3.933 ug/l

RT: 9.18 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

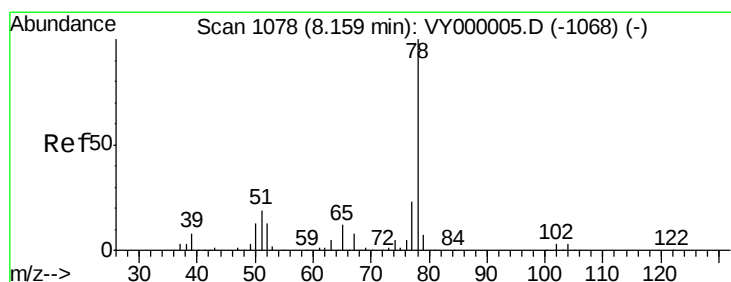
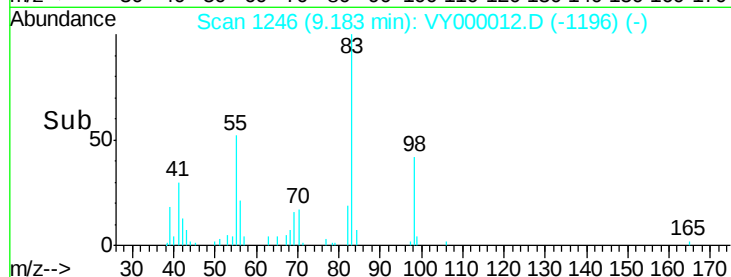
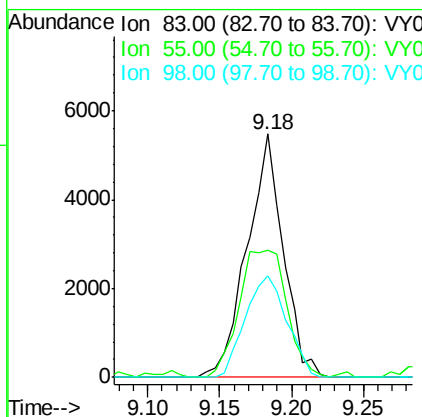
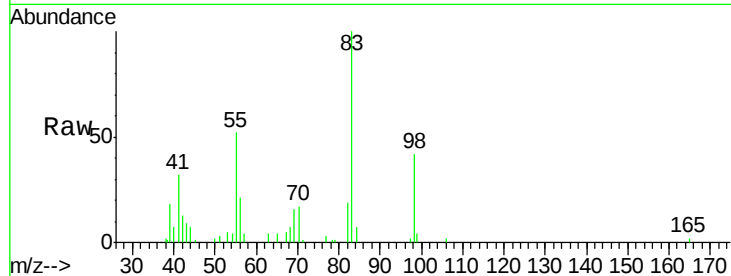
ClientSampleId :

MDL 3 PPB

Tot Ion:	83	Resp:	9534
Ion	Ratio	Lower	Upper
83	100		
55	52.1	53.8	80.6#
98	41.9	40.0	60.0

Manual Integrations
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#40

Benzene

Concen: 3.528 ug/l

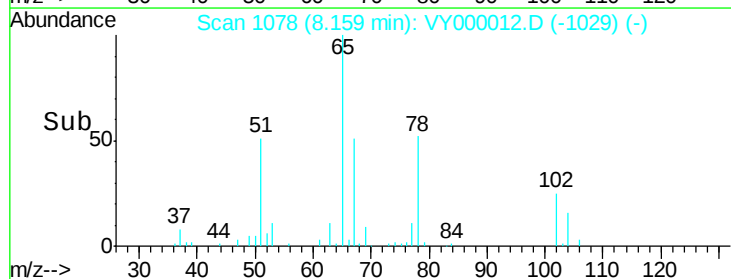
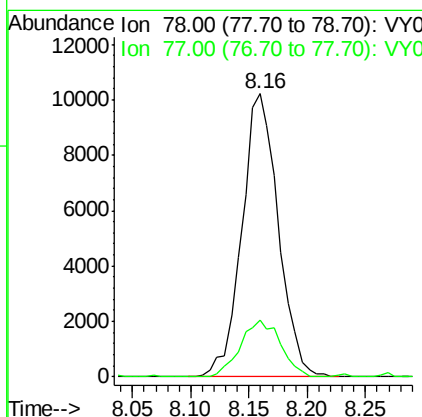
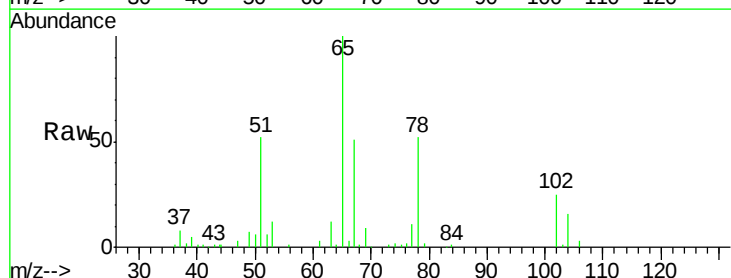
RT: 8.16 min Scan# 1078

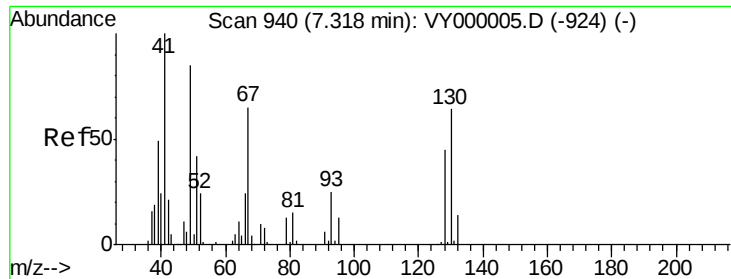
Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	78	Resp:	22308
Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.0	27.0





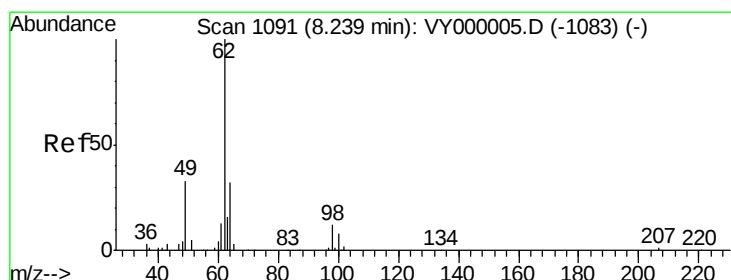
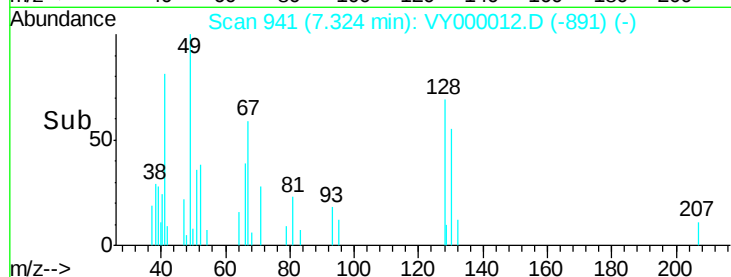
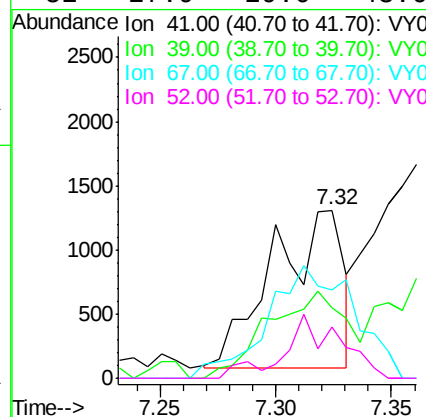
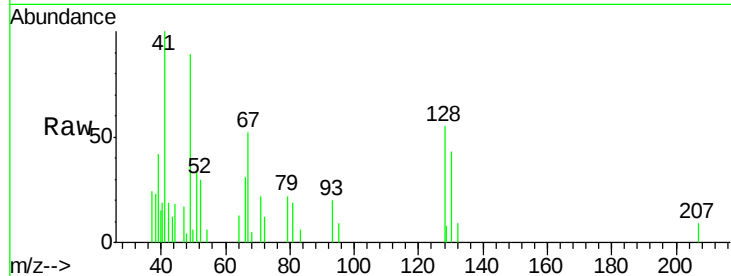
#41
Methacrylonitrile
Concen: 3.211 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.3	48.4	72.6	
67	88.0	76.3	114.5	
52	27.9	29.0	43.6	

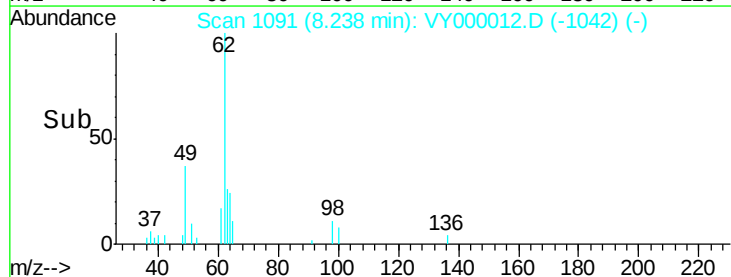
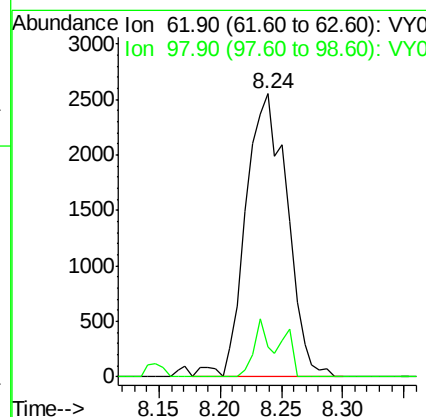
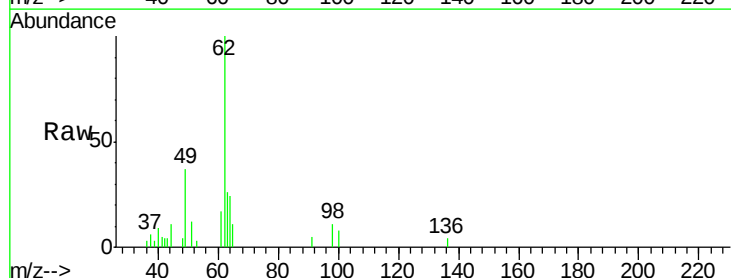
Manual Integrations
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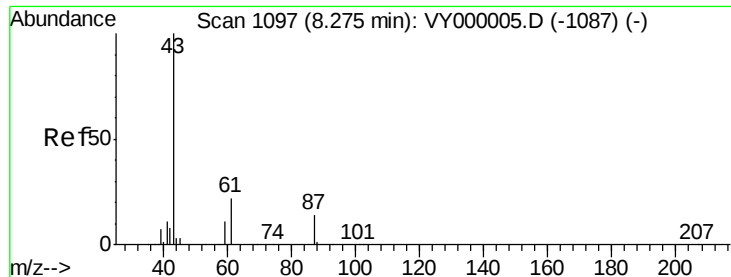
MMDadoda
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#42
1,2-Dichloroethane
Concen: 3.615 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	24.2	





#43

Isopropyl Acetate

Concen: 3.609 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

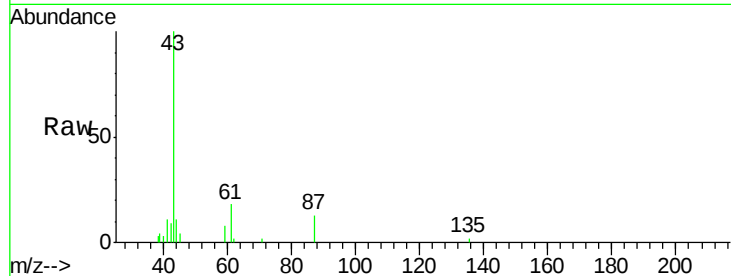
ClientSampleId :

MDL 3 PPB

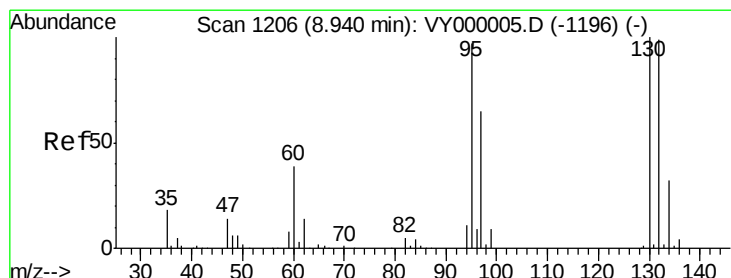
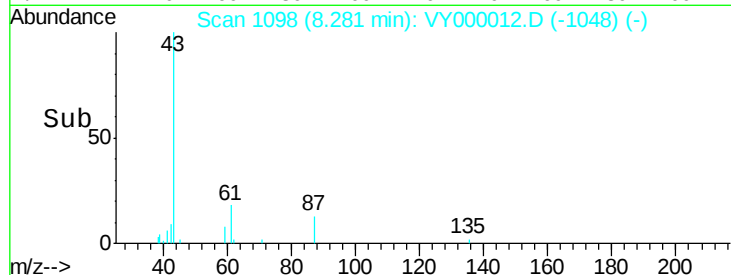
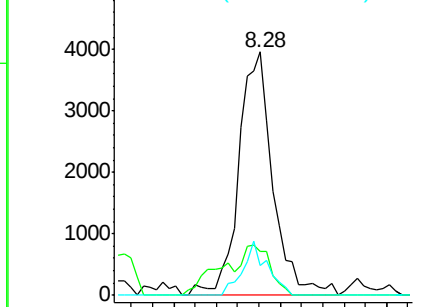
Tot Ion:	43	Resp:	8921
Ion	Ratio	Lower	Upper
43	100		
61	28.2	25.2	37.8
87	16.0	12.6	18.8

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Abundance Ion 43.00 (42.70 to 43.70): VY000005.D (-1087) (-)



#44

Trichloroethene

Concen: 3.200 ug/l

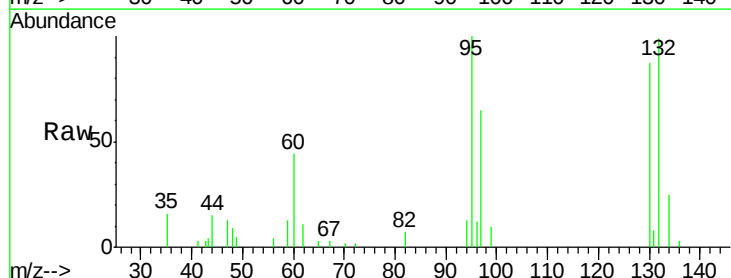
RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

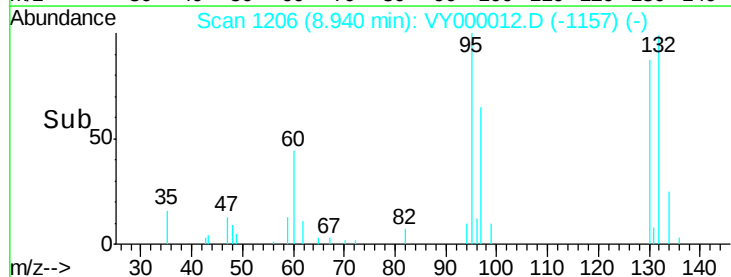
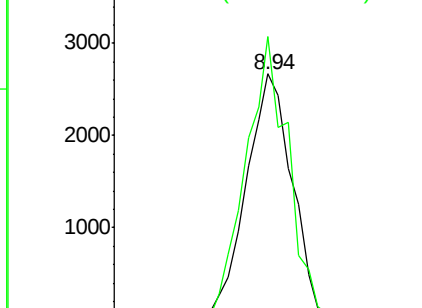
Lab File: VY000012.D

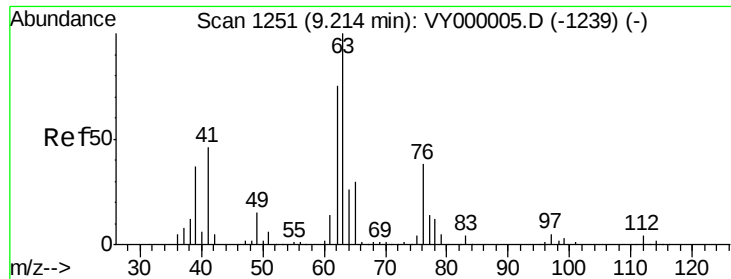
Acq: 11 Sep 2019 20:43

Tgt Ion:	130	Resp:	5206
Ion	Ratio	Lower	Upper
130	100		
95	115.0	0.0	194.2



Abundance Ion 129.80 (129.50 to 130.50): VY000005.D (-1196) (-)





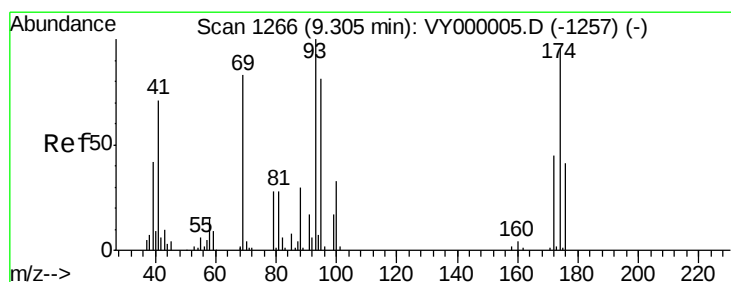
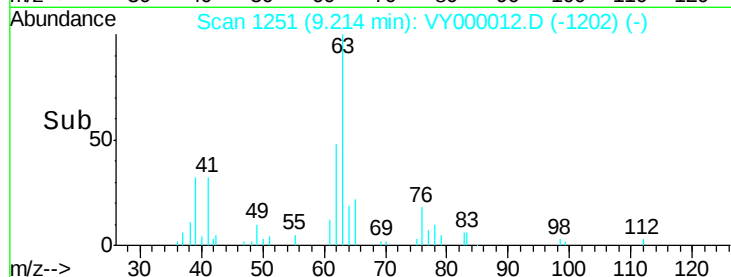
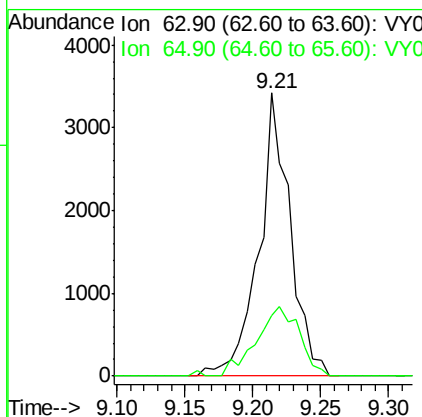
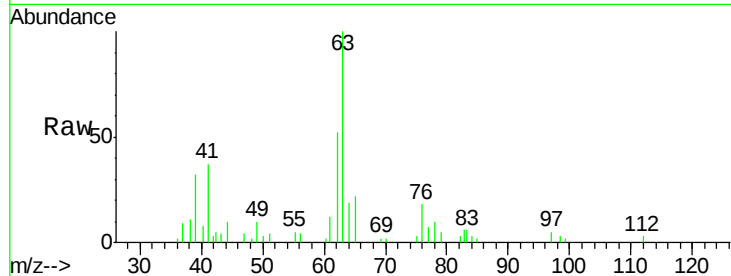
#45
 1,2-Dichloropropane
 Concen: 3.409 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion: 63 Resp: 5532
 Ion Ratio Lower Upper
 63 100
 65 21.6 24.3 36.5#

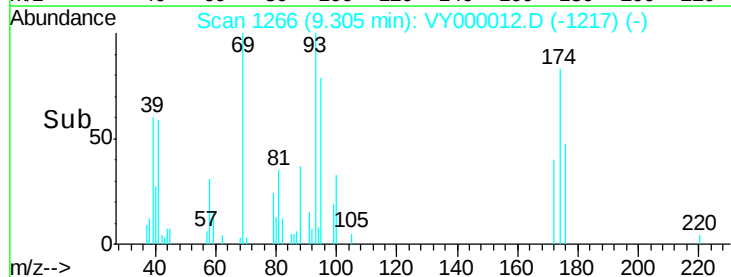
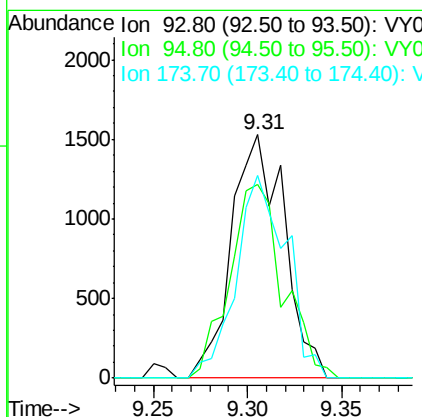
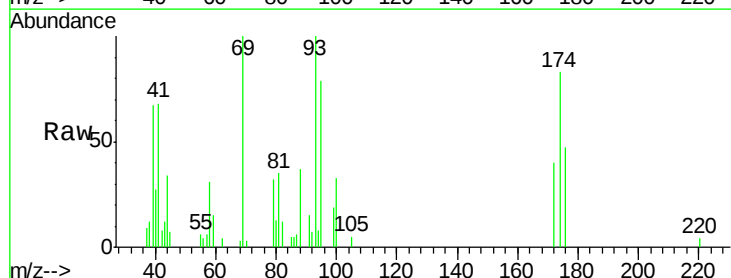
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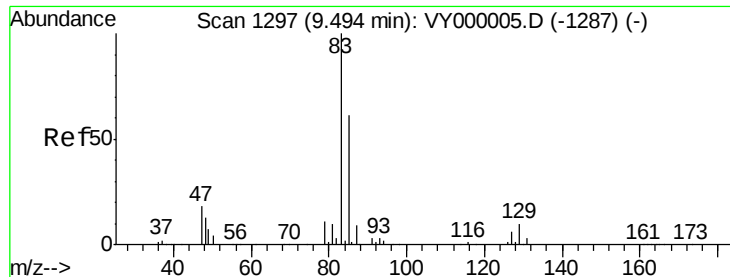
MMDadoda
 9/13/2019 11:51:40 PM



#46
 Dibromomethane
 Concen: 3.381 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion: 93 Resp: 2969
 Ion Ratio Lower Upper
 93 100
 95 80.6 68.1 102.1
 174 79.2 72.8 109.2





#47

Bromodichloromethane

Concen: 3.027 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

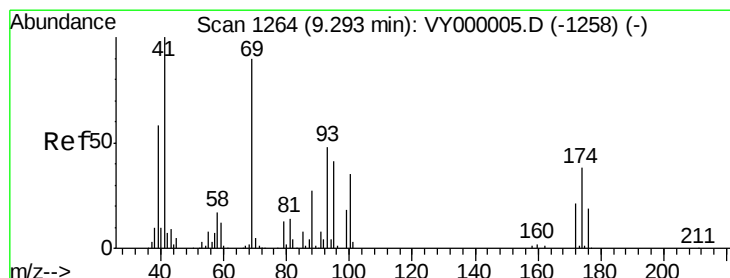
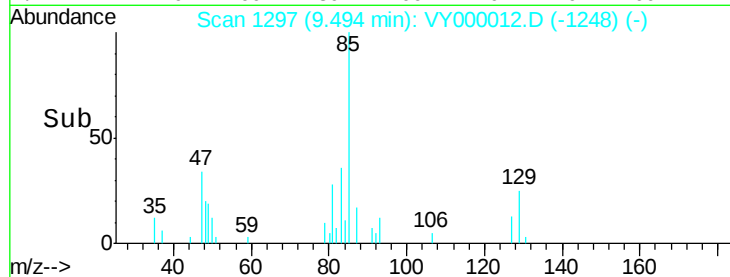
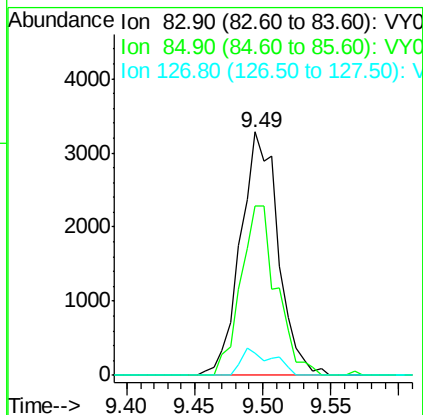
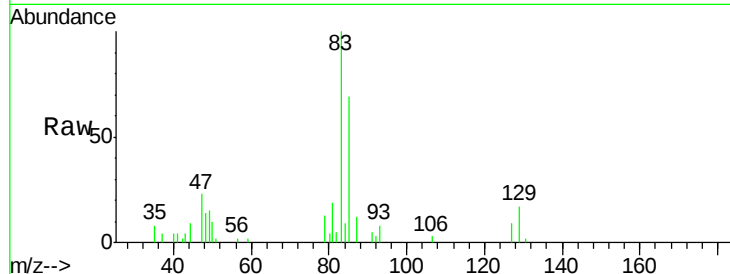
ClientSampleId :

MDL 3 PPB

Tot Ion:	83	Resp:	6368
Ion	Ratio	Lower	Upper
83	100		
85	69.3	49.2	73.8
127	9.2	5.0	7.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.725 ug/l

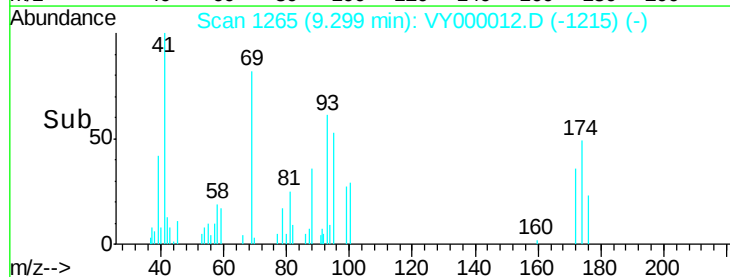
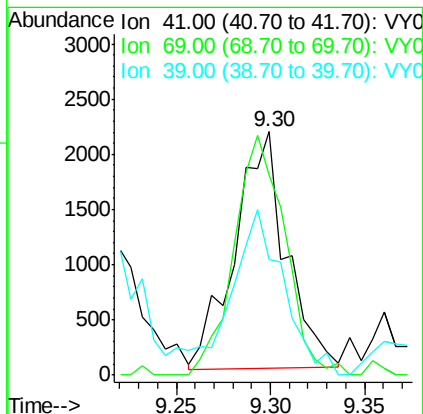
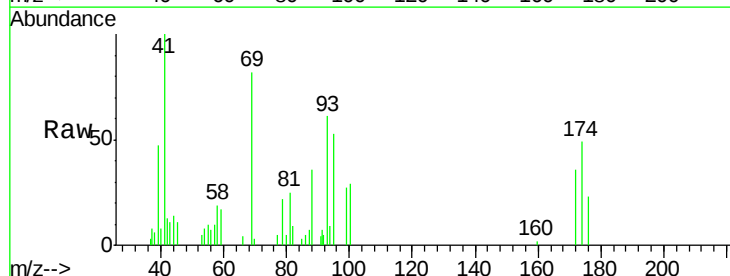
RT: 9.30 min Scan# 1265

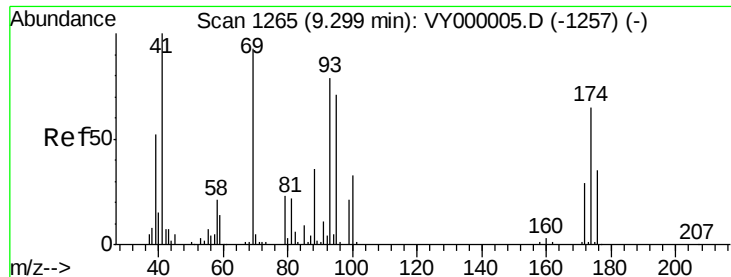
Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	41	Resp:	4067
Ion	Ratio	Lower	Upper
41	100		
69	100.2	77.4	116.2
39	69.6	47.4	71.2





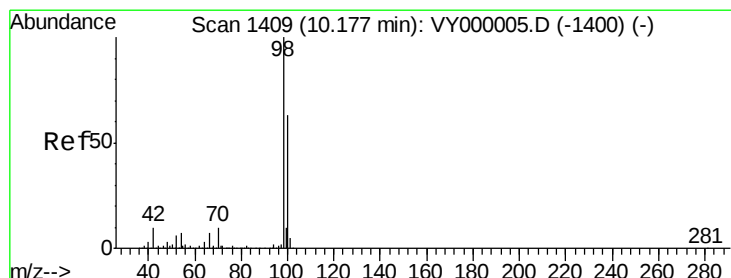
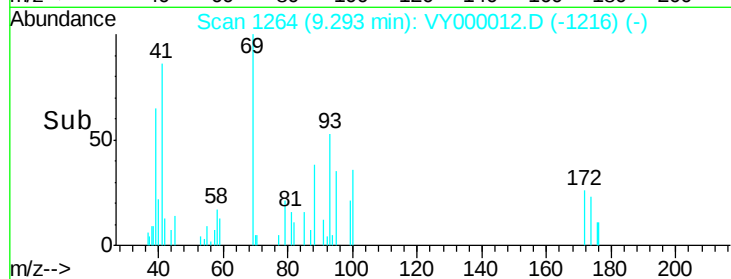
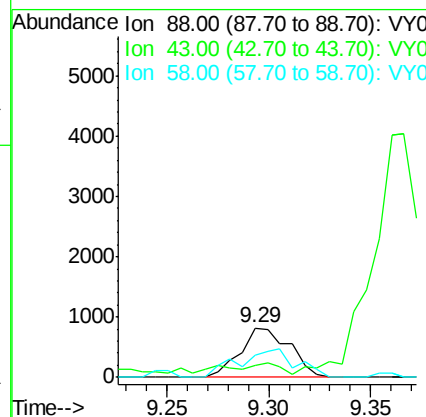
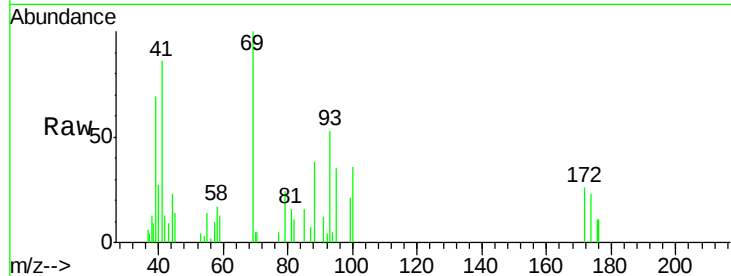
#49
1,4-Dioxane
Concen: 80.464 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
88	100		
43	17.6	23.4	35.2#
58	66.2	46.1	69.1

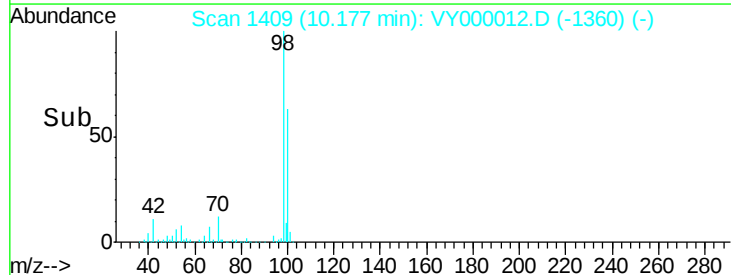
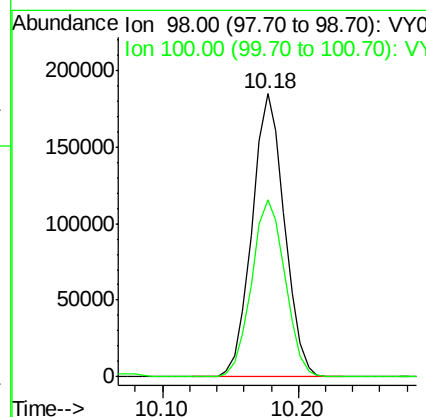
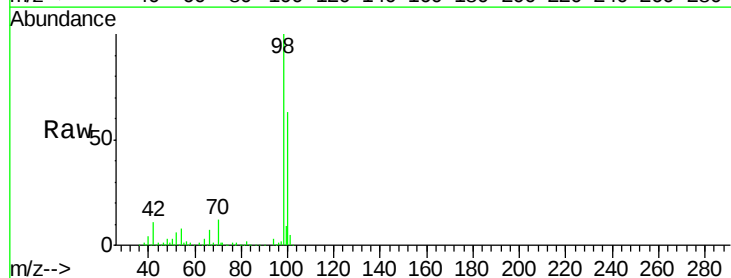
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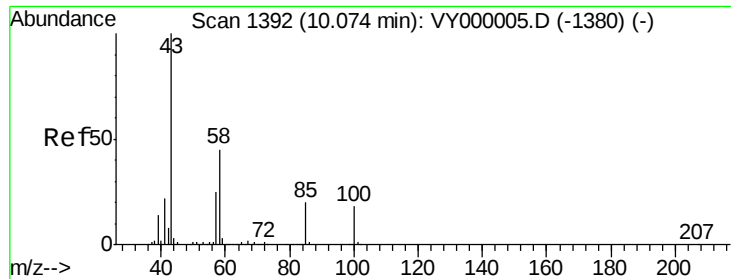
MMDadoda
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#50
Toluene-d8
Concen: 49.702 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 16.422 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampled :

MDL 3 PPB

Tot Ion: 43 Resp: 22345

Ion Ratio Lower Upper

43 100

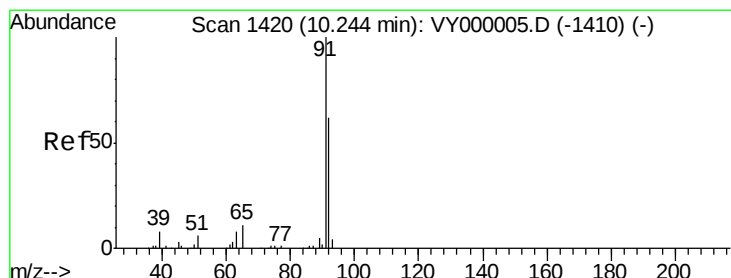
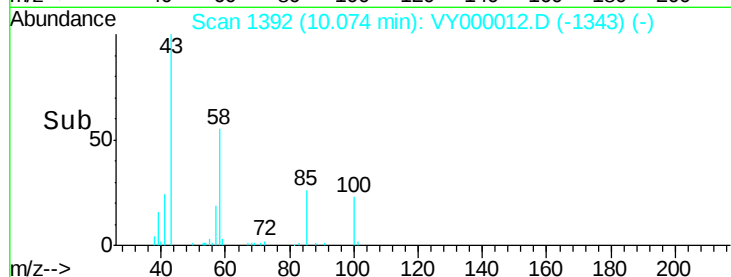
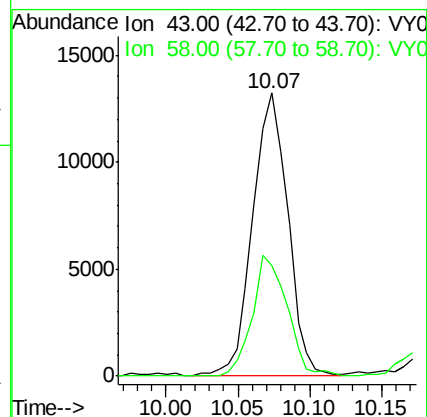
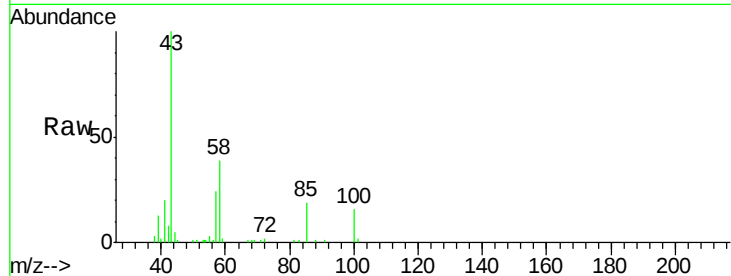
58 42.1 34.1 51.1

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#52

Toluene

Concen: 3.376 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VY000012.D

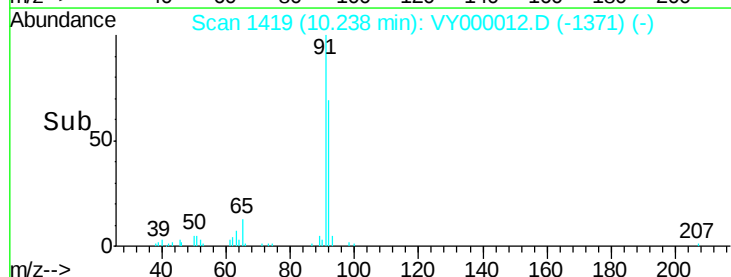
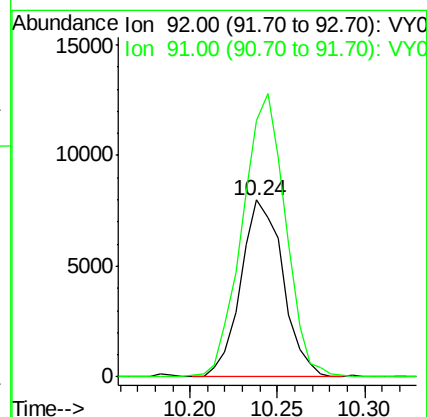
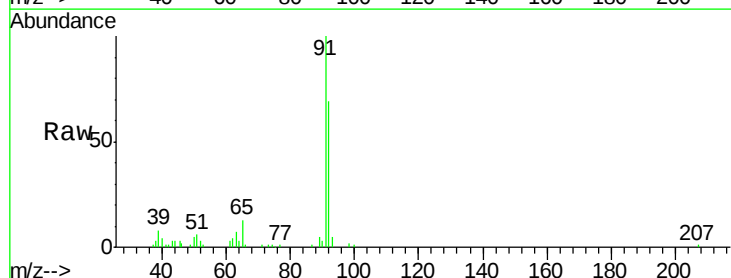
Acq: 11 Sep 2019 20:43

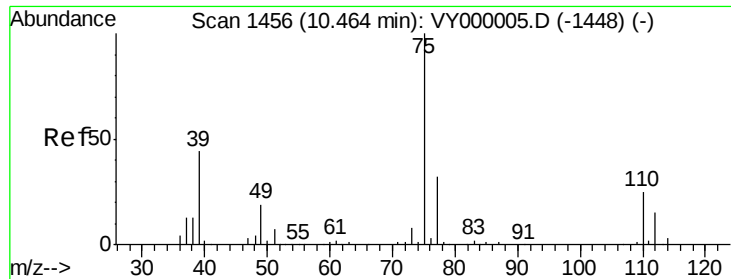
Tgt Ion: 92 Resp: 13437

Ion Ratio Lower Upper

92 100

91 163.2 136.5 204.7





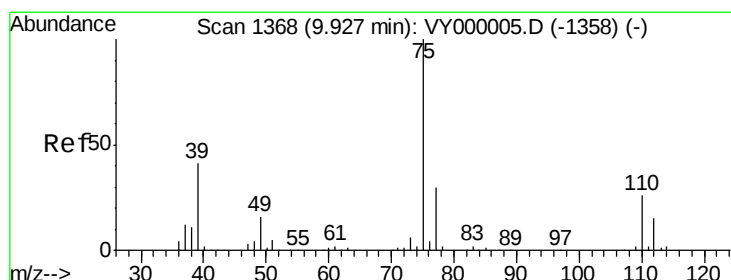
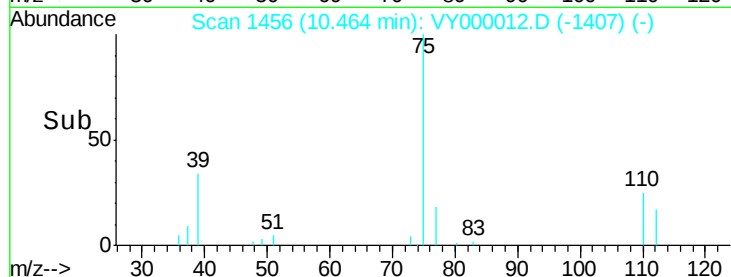
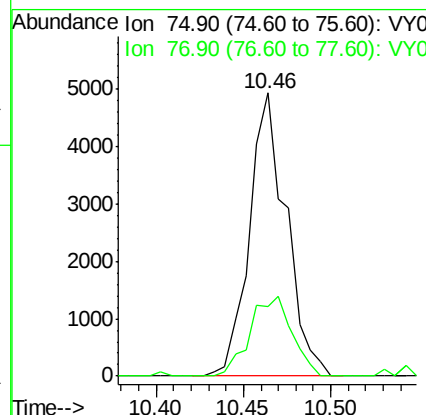
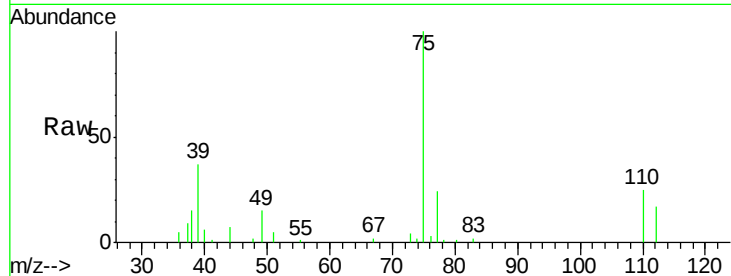
#53
t-1,3-Dichloropropene
Concen: 3.250 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 75 Resp: 7182
Ion Ratio Lower Upper
75 100
77 24.4 25.8 38.8#

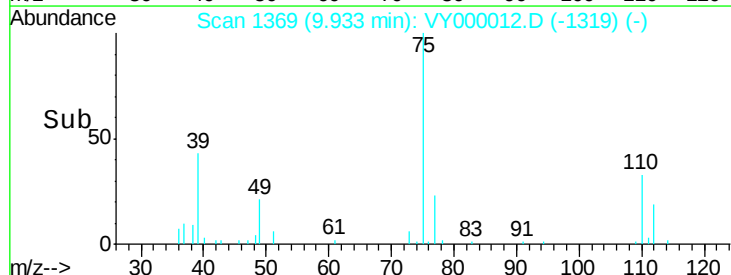
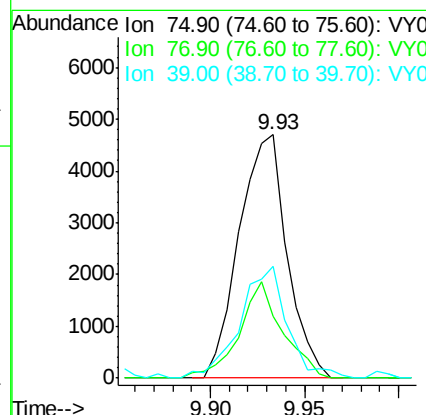
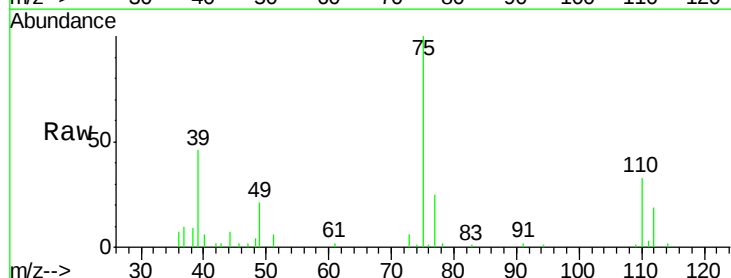
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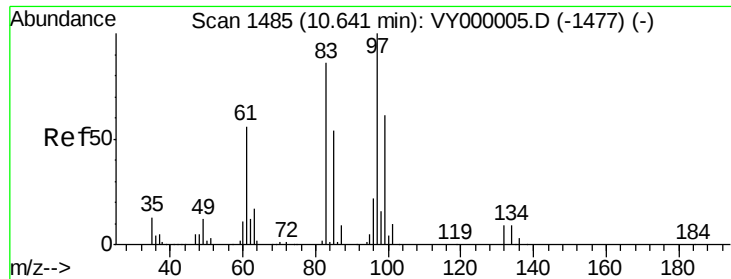
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#54
cis-1,3-Dichloropropene
Concen: 3.209 ug/l
RT: 9.93 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion: 75 Resp: 8277
Ion Ratio Lower Upper
75 100
77 25.2 24.1 36.1
39 44.5 33.0 49.4





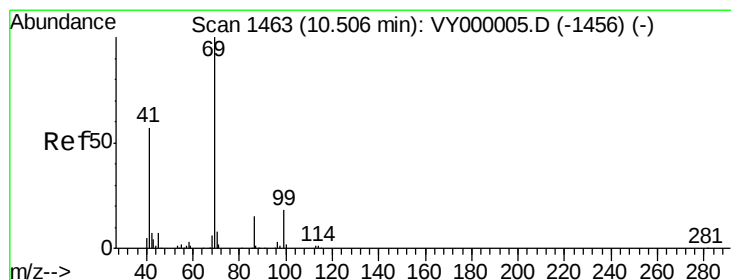
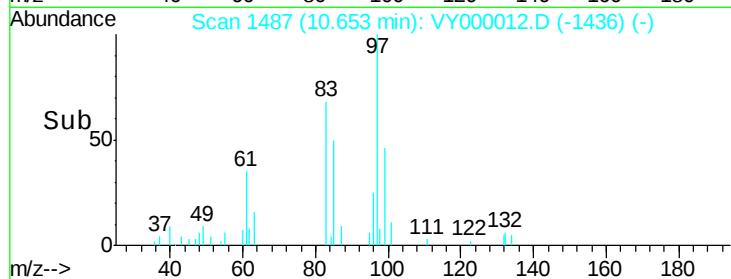
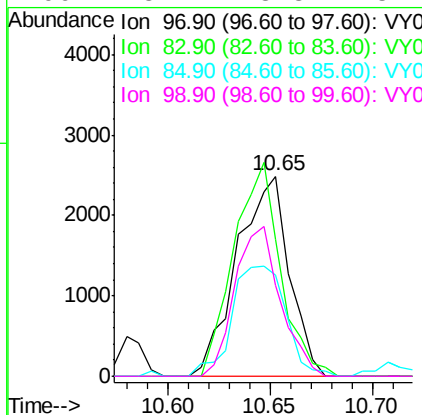
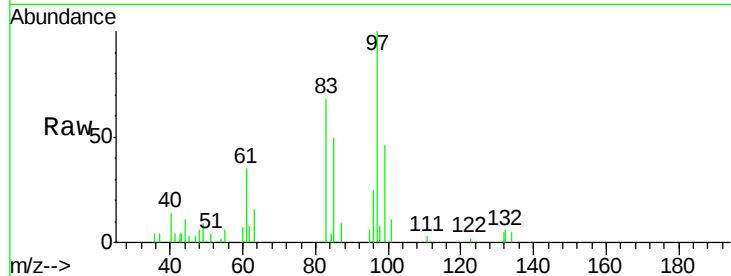
#55
 1,1,2-Trichloroethane
 Concen: 3.242 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
97	100		
83	68.2	68.4	102.6#
85	50.4	43.0	64.6
99	45.7	48.8	73.2#

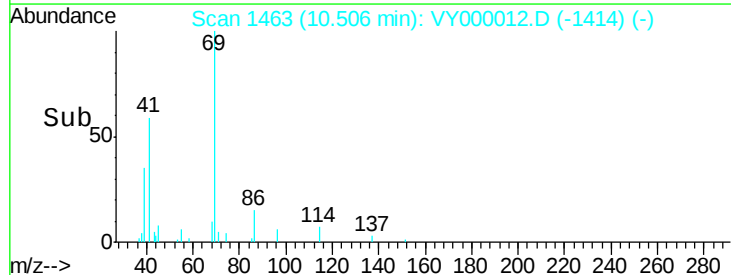
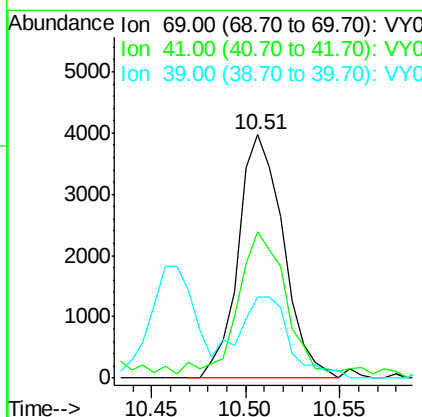
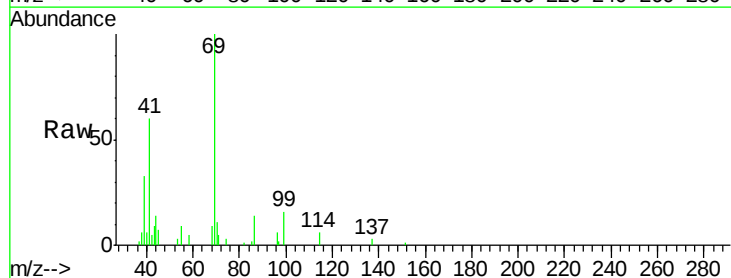
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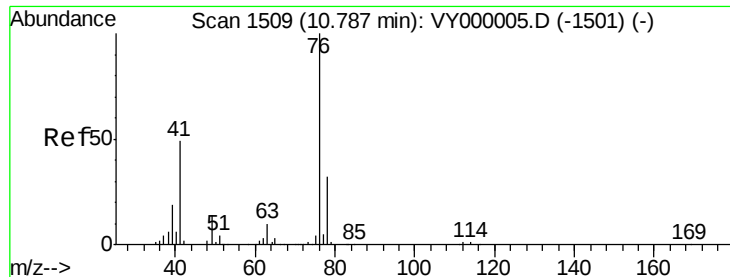
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#56
 Ethyl methacrylate
 Concen: 3.360 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.2	46.3	69.5
39	38.8	25.8	38.6#





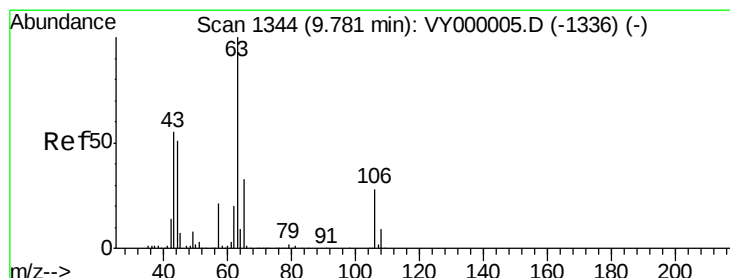
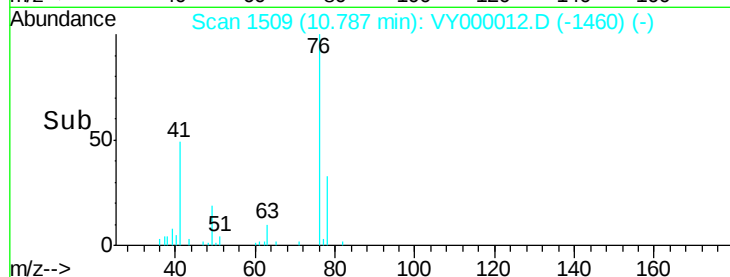
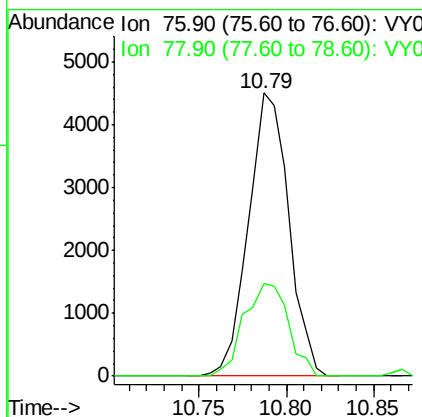
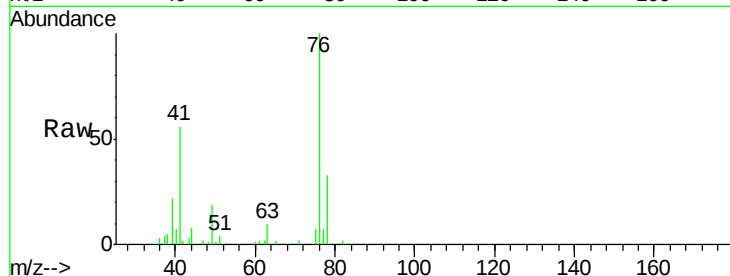
#57
 1,3-Dichloropropane
 Concen: 3.210 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.2	26.1	39.1

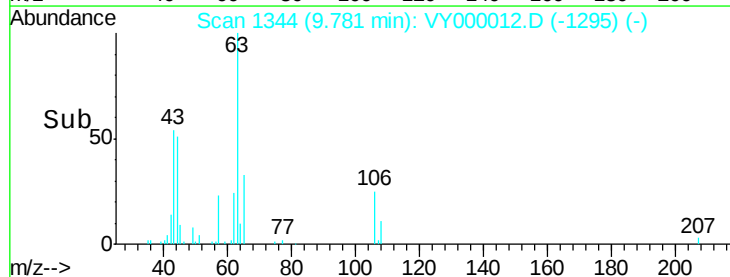
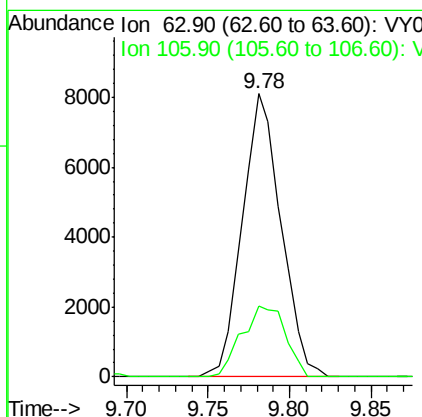
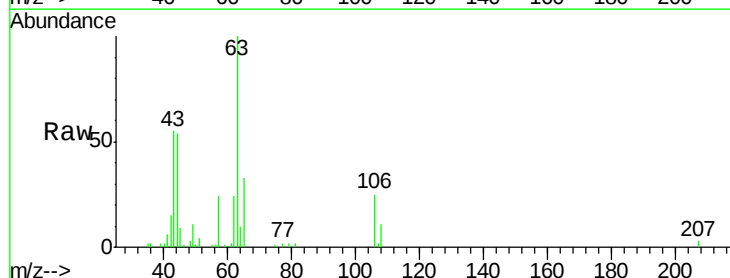
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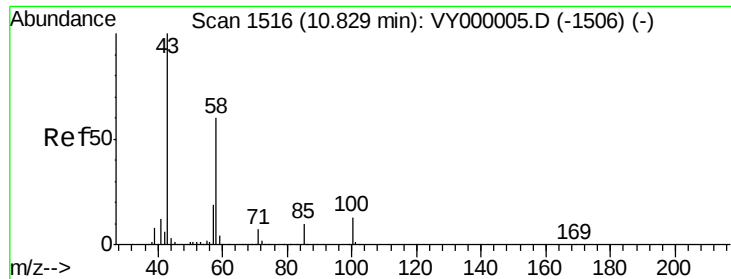
MMDadoda
 9/13/2019 11:51:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.233 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.3	34.9





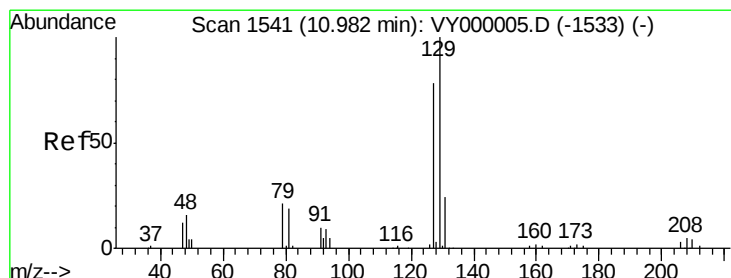
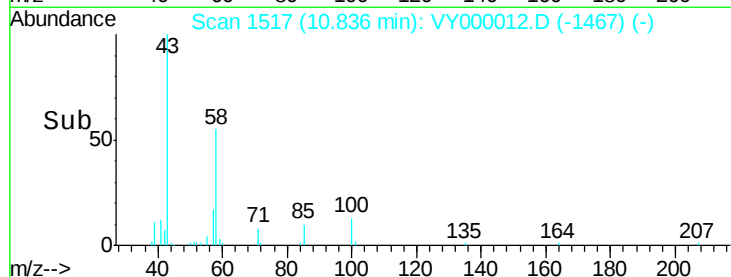
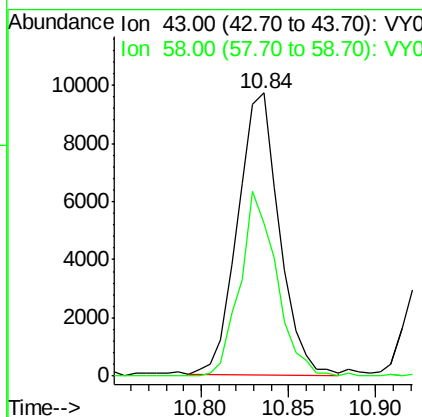
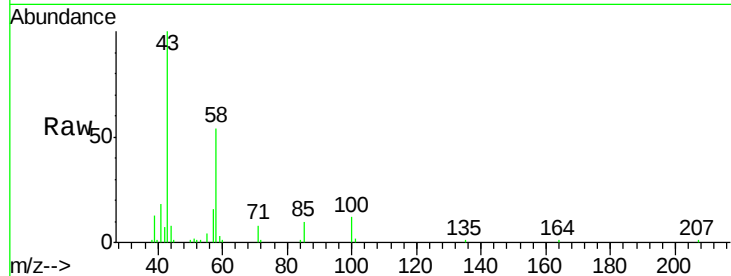
#59
2-Hexanone
Concen: 16.544 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion: 43 Resp: 16028
Ion Ratio Lower Upper
43 100
58 57.8 29.8 89.5

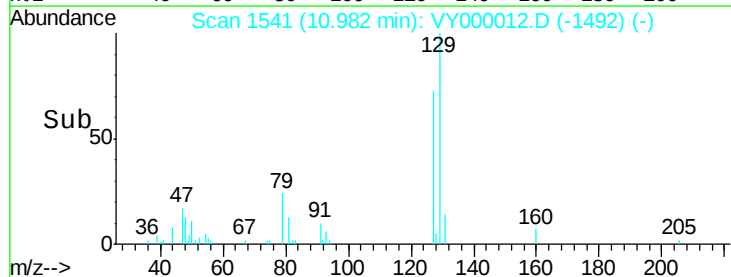
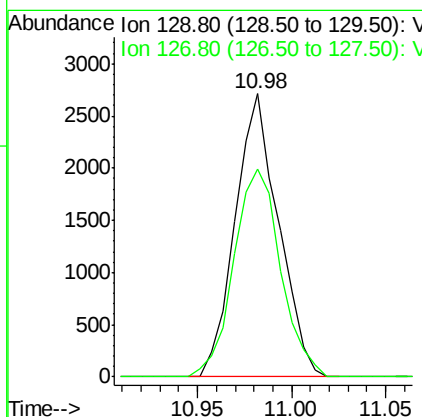
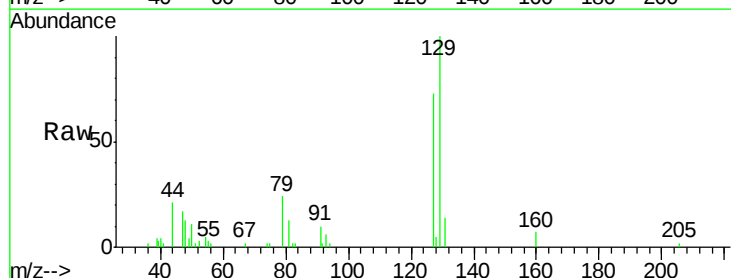
Manual Integrations
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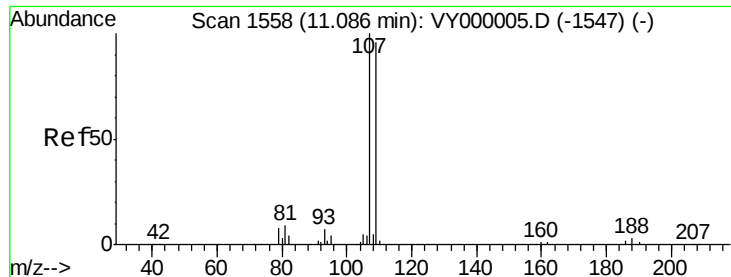
MMDadoda
9/13/2019 11:51:40 PM



#60
Dibromochloromethane
Concen: 2.977 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion: 129 Resp: 4319
Ion Ratio Lower Upper
129 100
127 79.2 39.2 117.6





#61

1,2-Dibromoethane

Concen: 3.688 ug/l

RT: 11.09 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 107 Resp: 4618

Ion Ratio Lower Upper

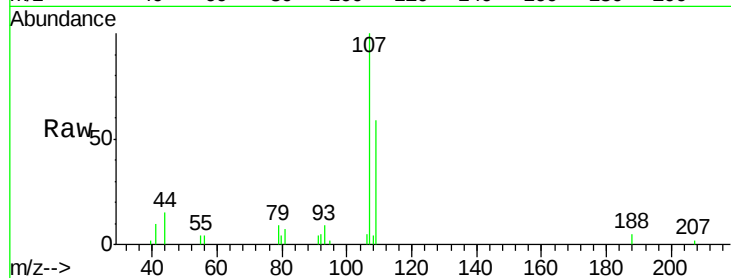
107 100

109 80.4 73.2 109.8

Manual Integrations
APPROVED

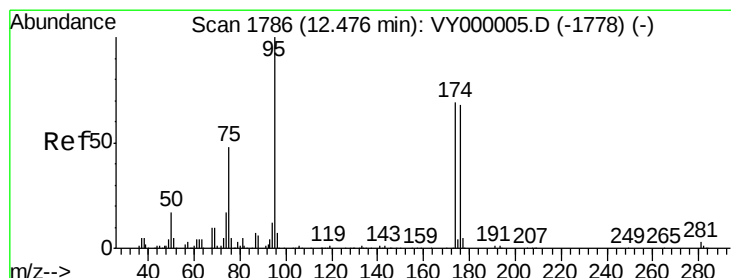
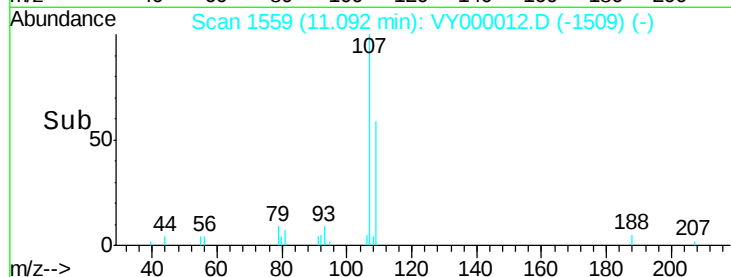
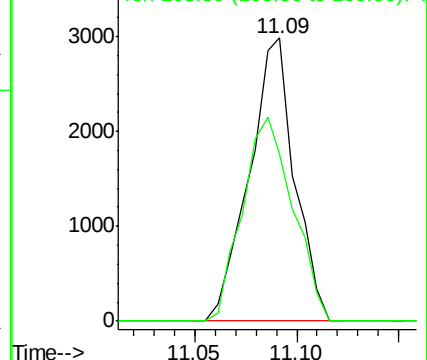
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.183 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

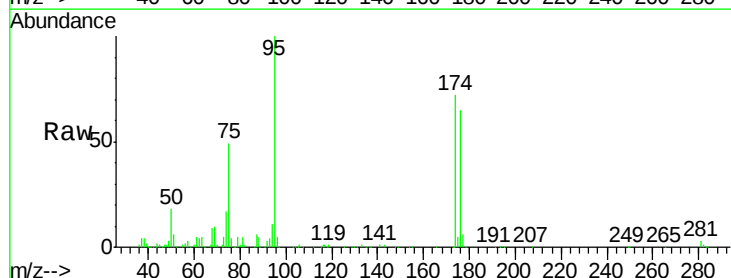
Tgt Ion: 95 Resp: 101647

Ion Ratio Lower Upper

95 100

174 71.7 0.0 145.8

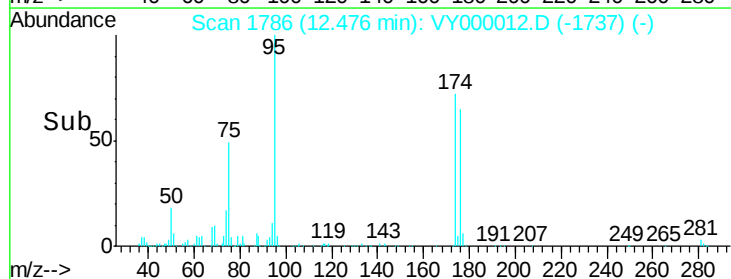
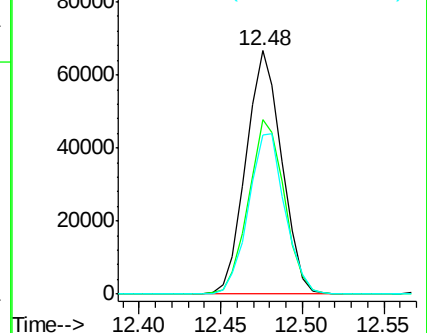
176 67.3 0.0 138.0

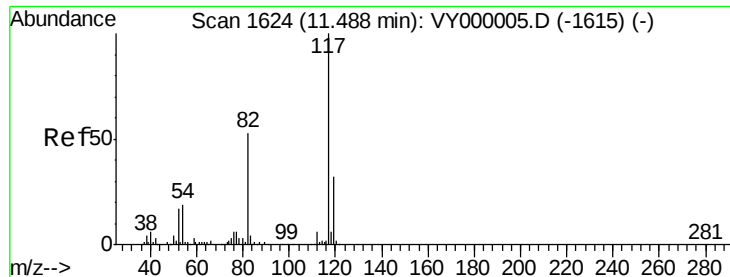


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





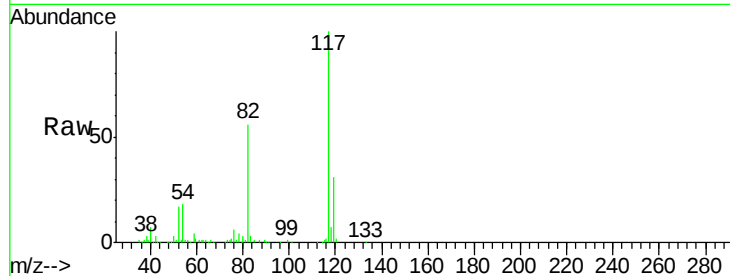
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

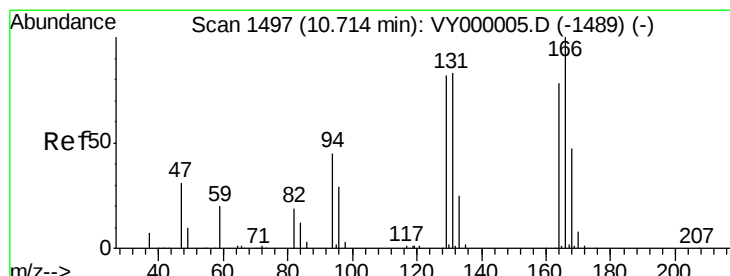
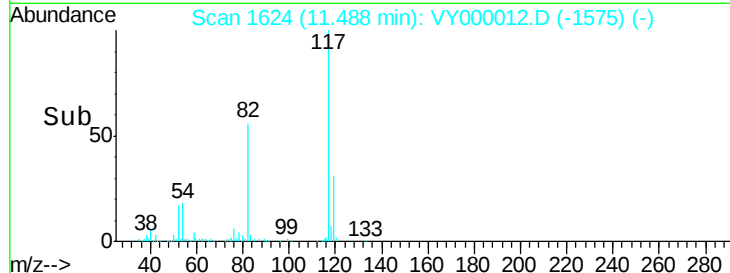
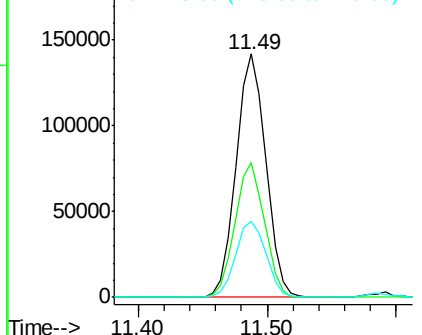
Tot Ion	Ratio	Resp	Lower	Upper
117	100	226317		
82	55.6	42.3	63.5	
119	31.2	25.8	38.8	

Manual Integrations
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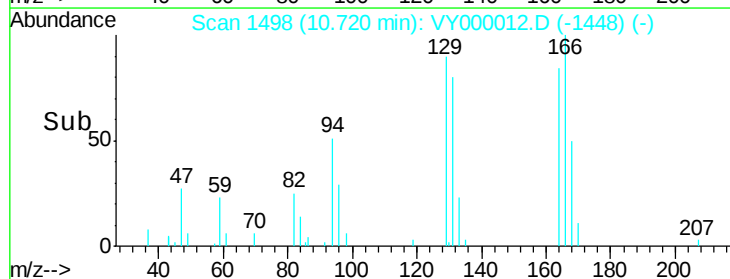
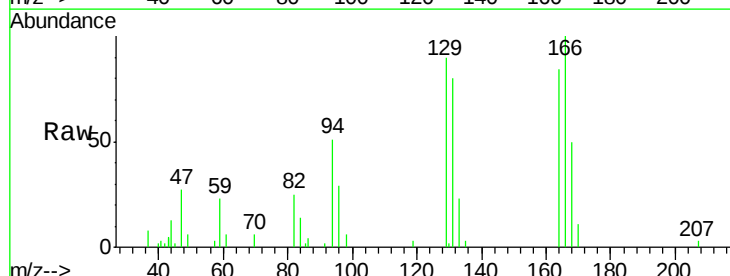
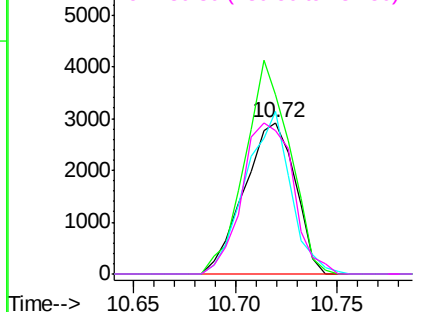
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

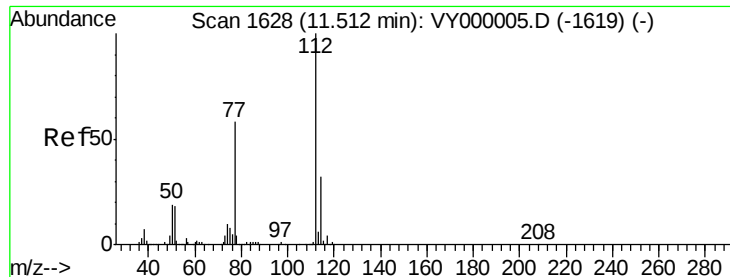


#64
Tetrachloroethene
Concen: 3.670 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5078		
166	119.0	102.5	153.7	
129	107.2	83.8	125.8	
131	94.9	85.0	127.6	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 3.083 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:112 Resp: 12896

Ion Ratio Lower Upper

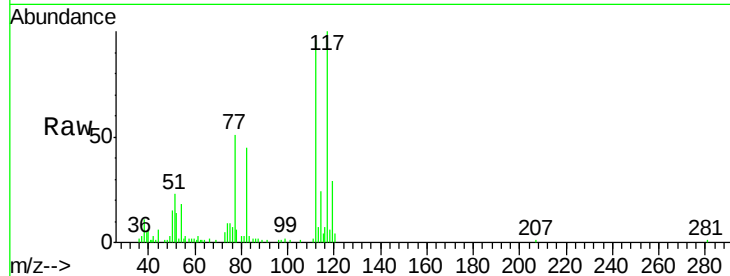
112 100

114 24.6 25.4 38.2#

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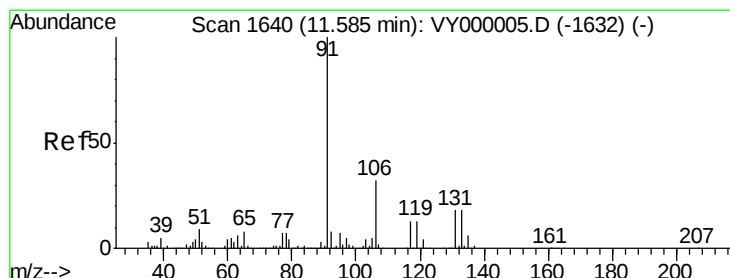
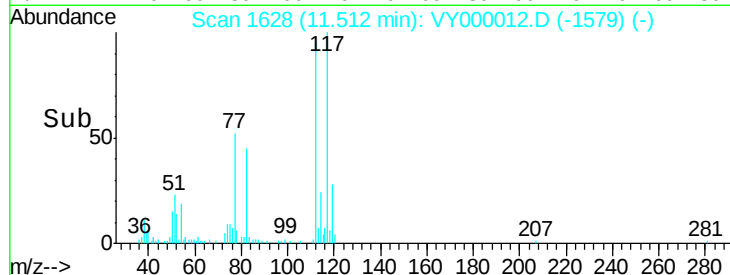
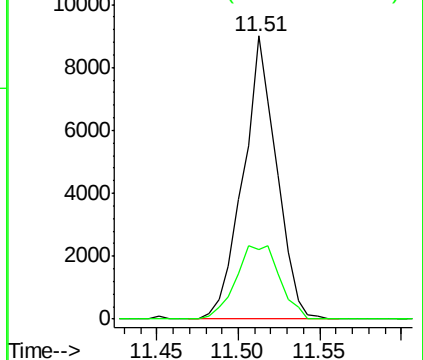
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 3.362 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

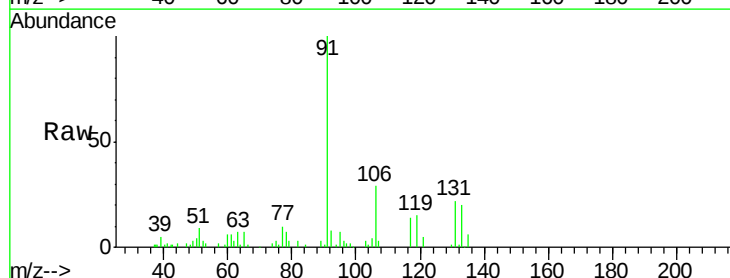
Tgt Ion:131 Resp: 4759

Ion Ratio Lower Upper

131 100

133 89.4 48.7 146.1

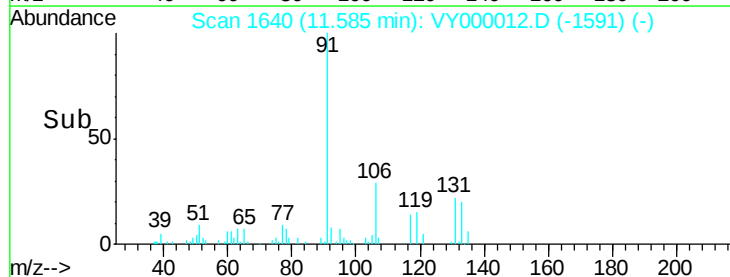
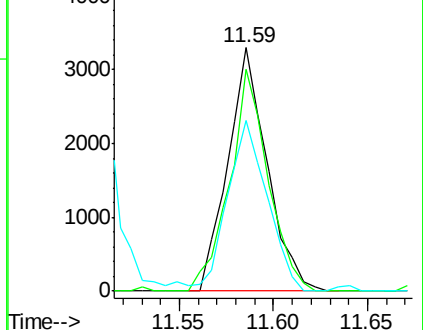
119 70.8 35.8 107.3

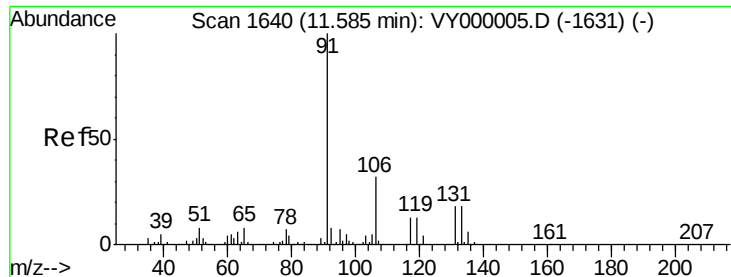


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





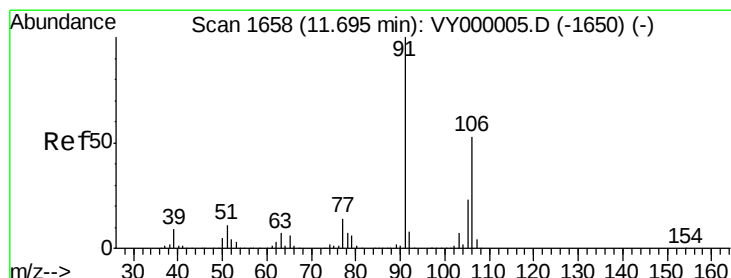
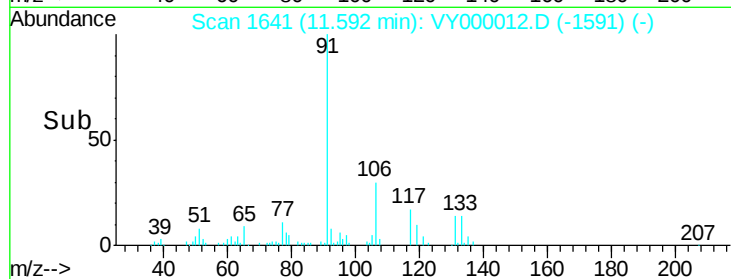
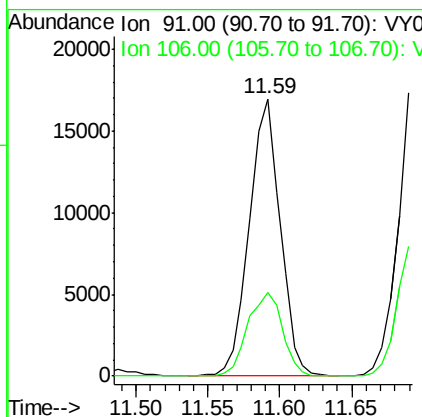
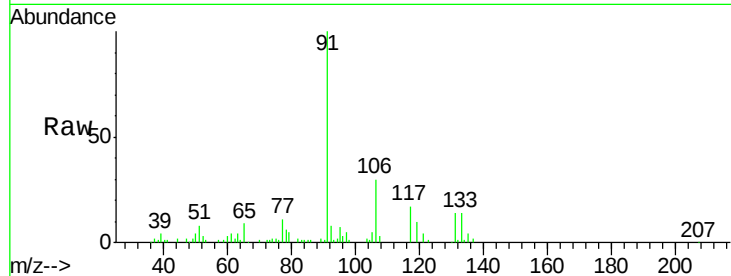
#67
Ethyl Benzene
Concen: 3.297 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 91 Resp: 25198
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2

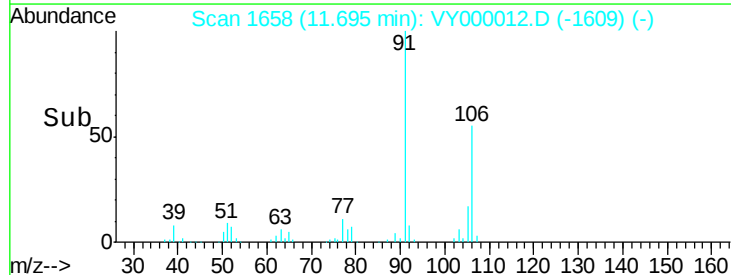
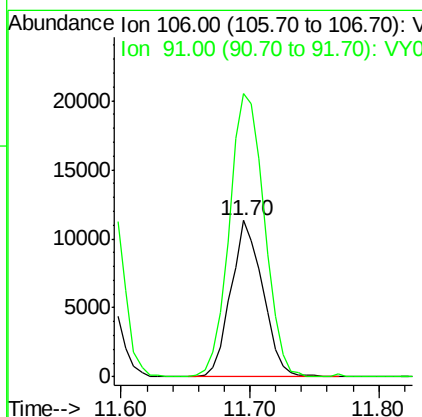
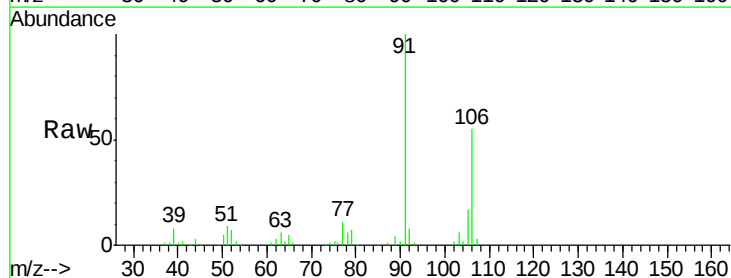
Manual Integrations
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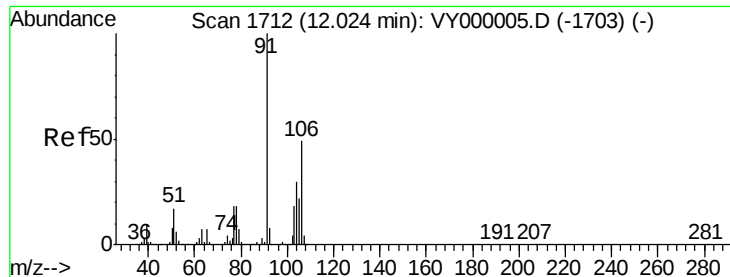
MMDadoda
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#68
m/p-Xylenes
Concen: 6.764 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion: 106 Resp: 19638
Ion Ratio Lower Upper
106 100
91 197.1 157.1 235.7





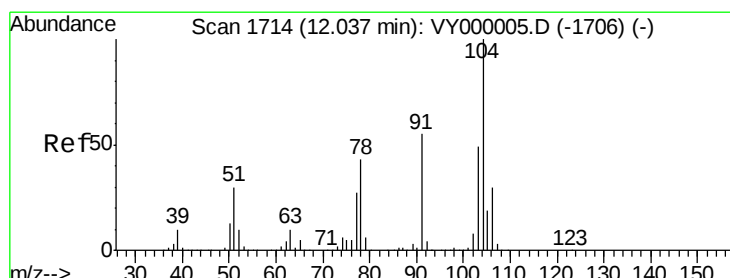
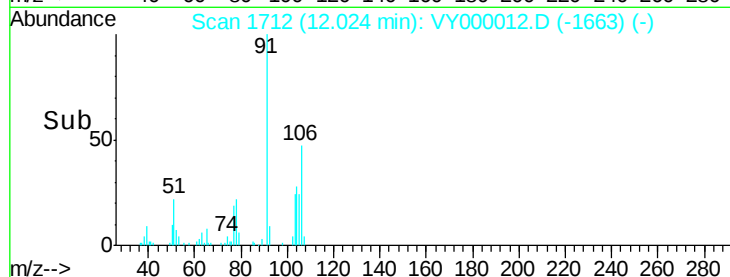
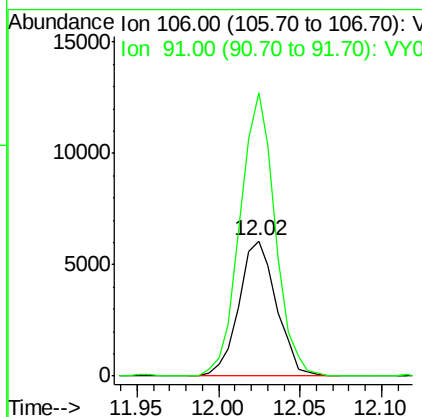
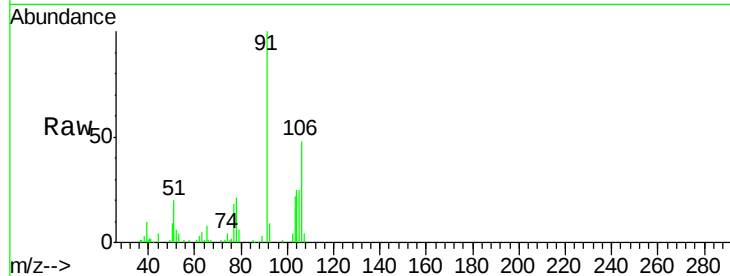
#69
o-Xylene
Concen: 3.486 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
106	100		
91	196.2	100.6	301.8

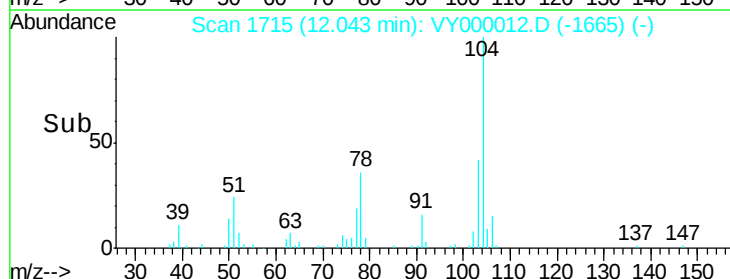
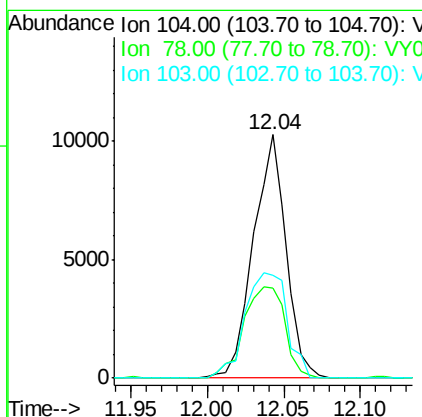
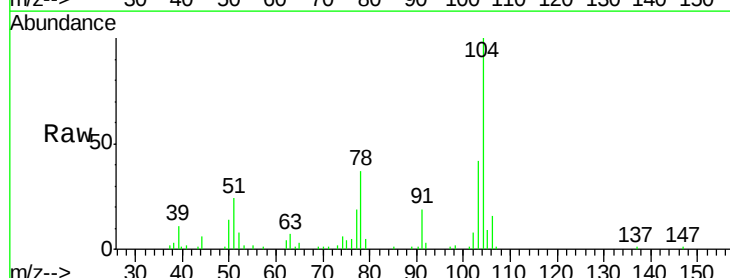
Manual Integrations
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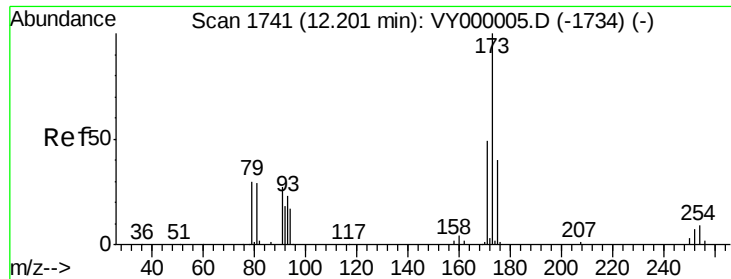
MMDadoda
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#70
Styrene
Concen: 3.153 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.6	56.4
103	55.8	42.6	63.8





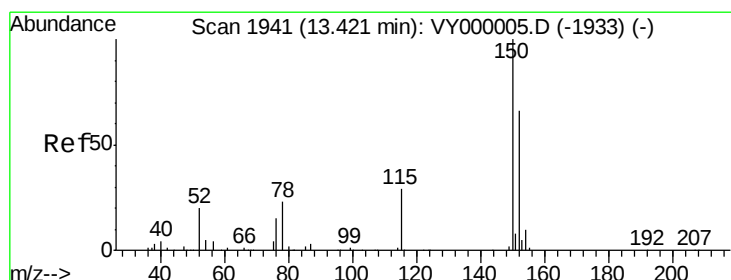
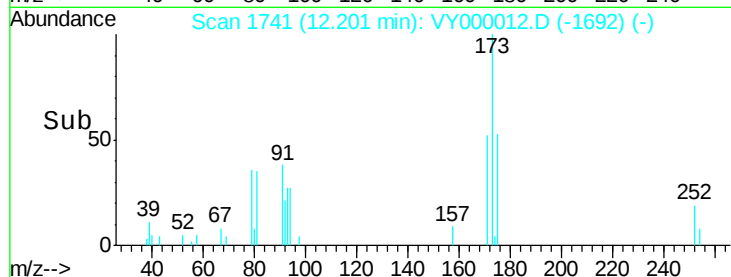
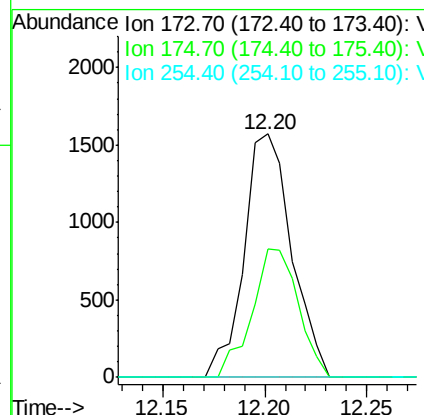
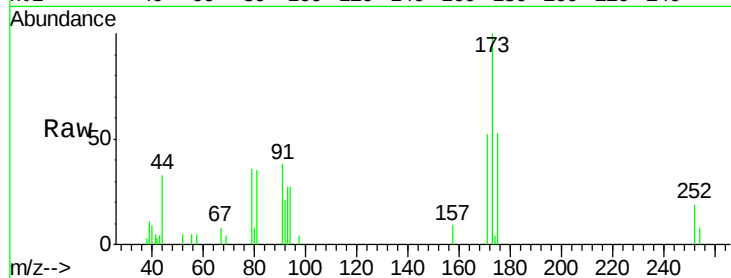
#71
Bromoform
Concen: 2.971 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	23.8	71.5
254	0.0	0.0	0.0

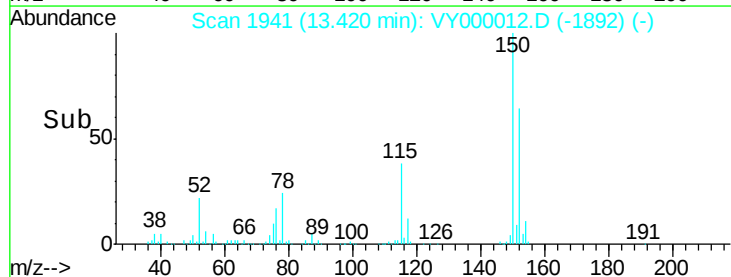
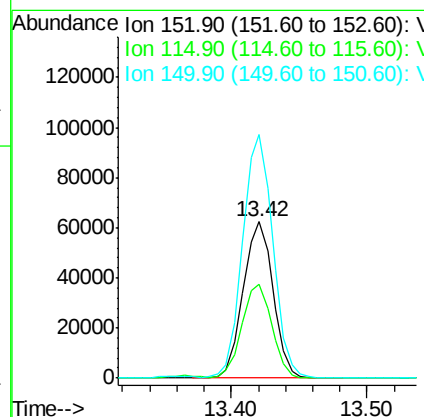
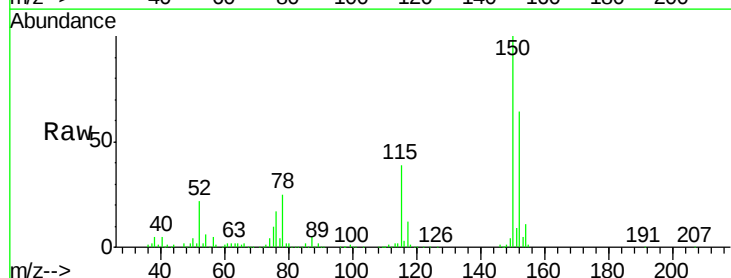
Manual Integrations
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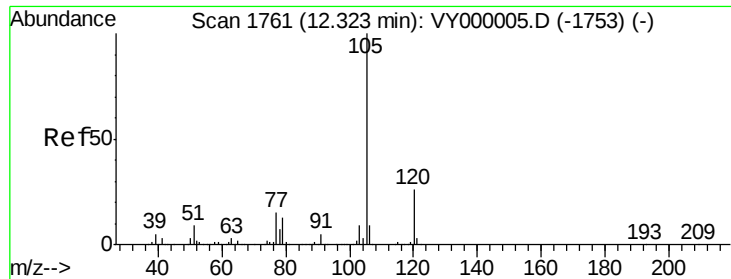
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.3	91.0
150	157.3	0.0	347.4





#73

Isopropylbenzene

Concen: 3.337 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. 0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:105 Resp: 24138

Ion Ratio Lower Upper

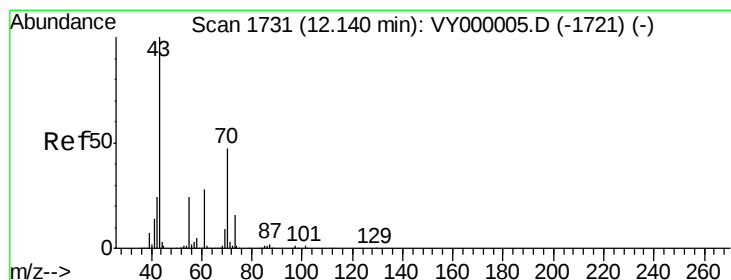
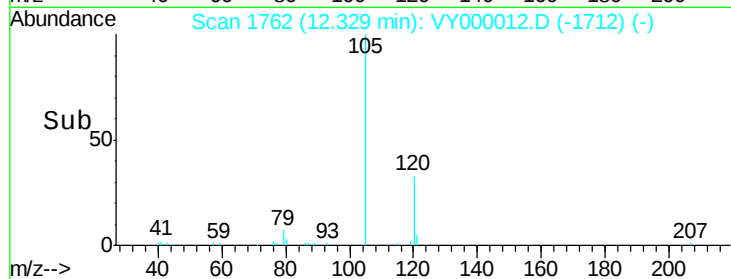
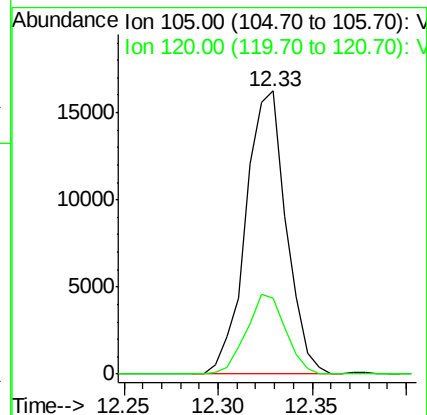
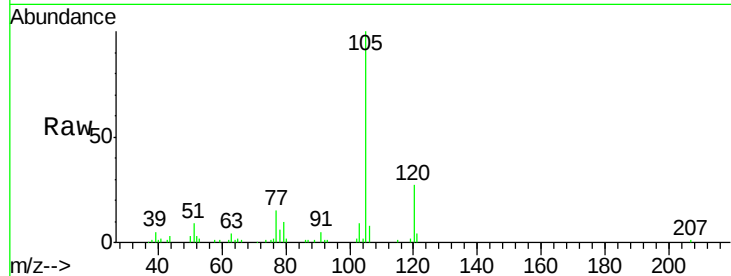
105 100

120 27.3 13.5 40.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 3.186 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion: 43 Resp: 6396

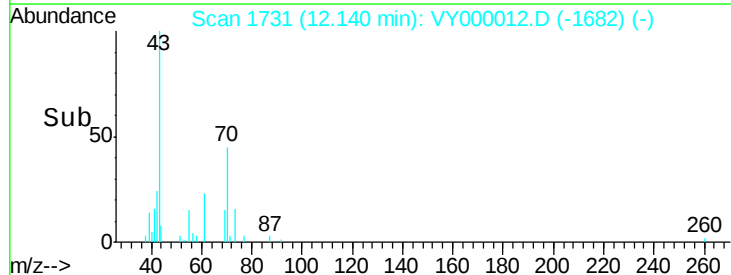
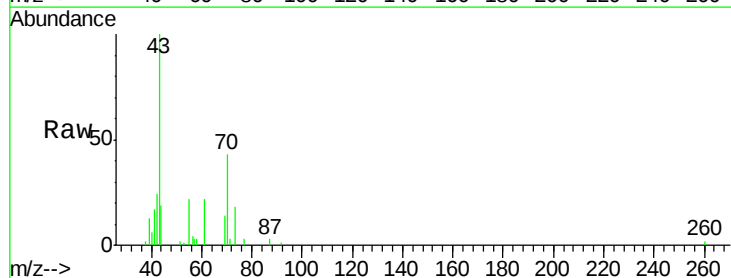
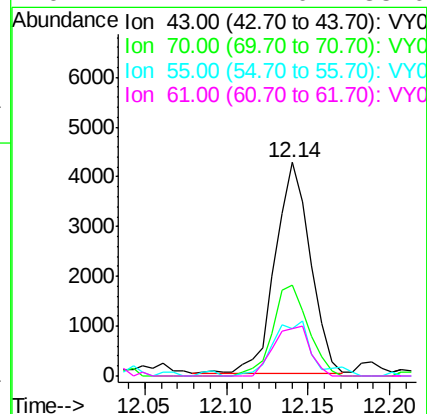
Ion Ratio Lower Upper

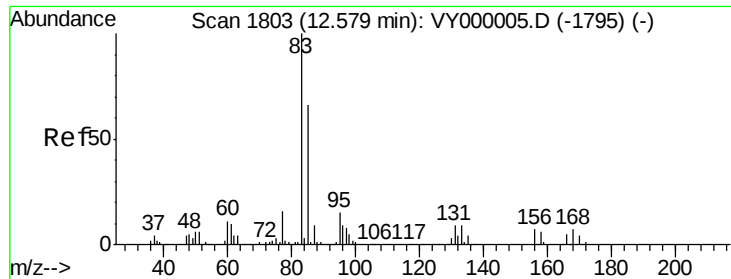
43 100

70 43.1 38.1 57.1

55 29.0 19.9 29.9

61 24.1 22.0 33.0





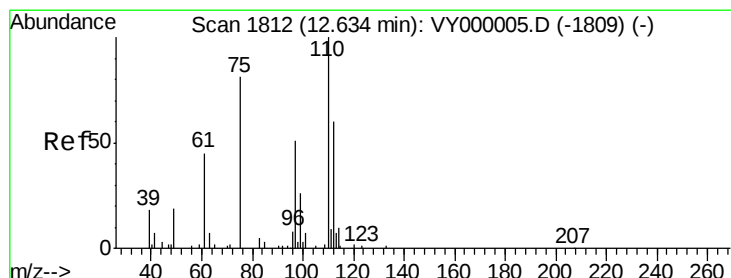
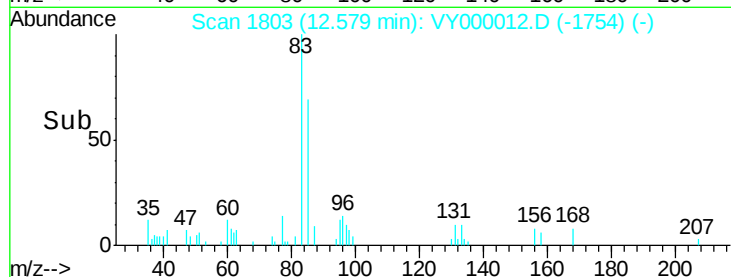
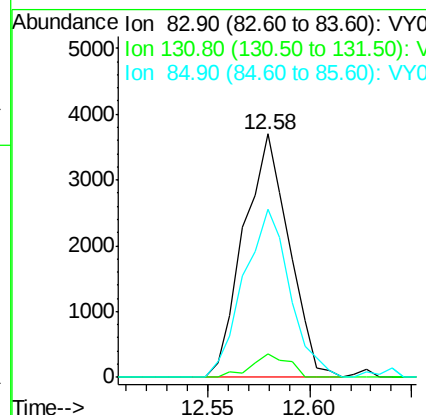
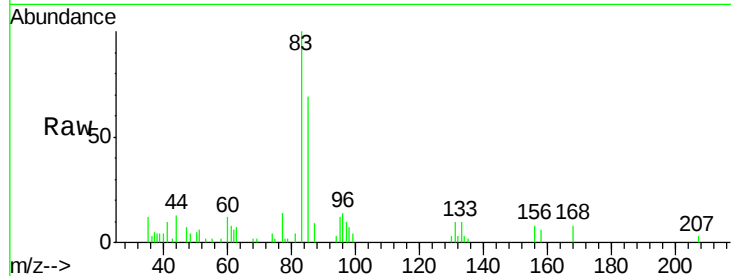
#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.428 ug/l
 RT: 12.58 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	83	Resp	5711
Ion	Ratio	Lower	Upper
83	100		
131	7.9	5.0	14.9
85	70.6	32.1	96.3

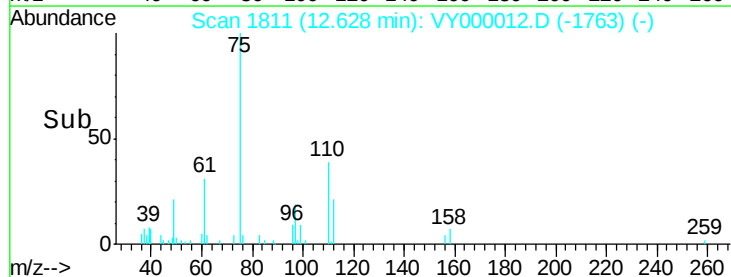
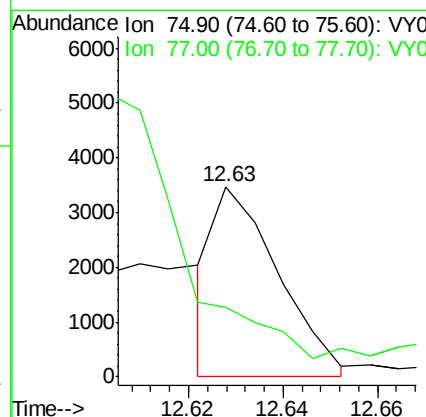
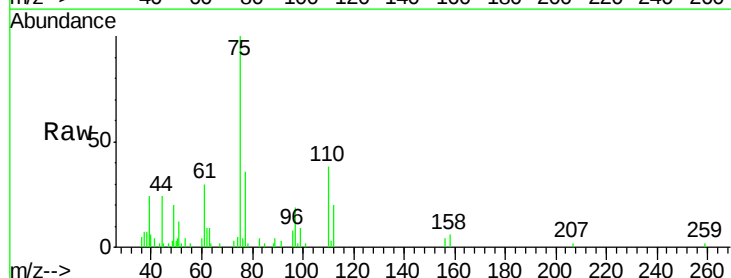
Manual Integrations
 APPROVED

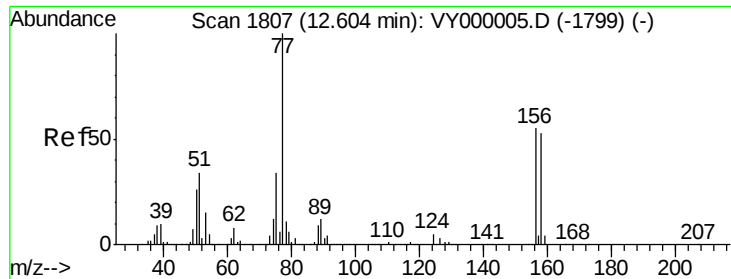
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 2.923 ug/l m
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	75	Resp	3299
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





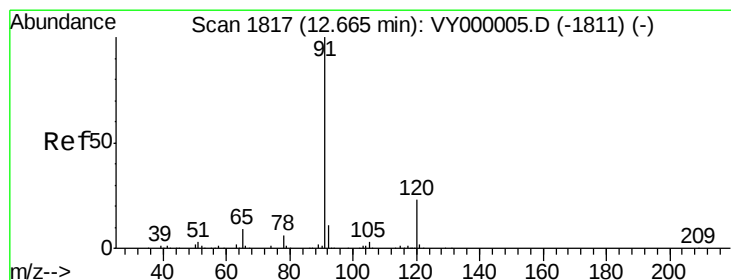
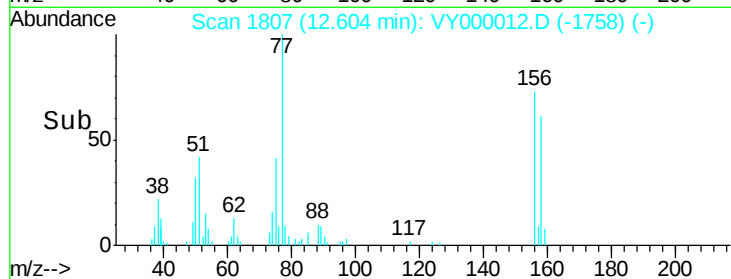
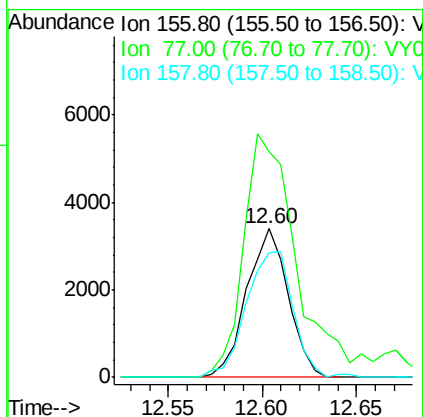
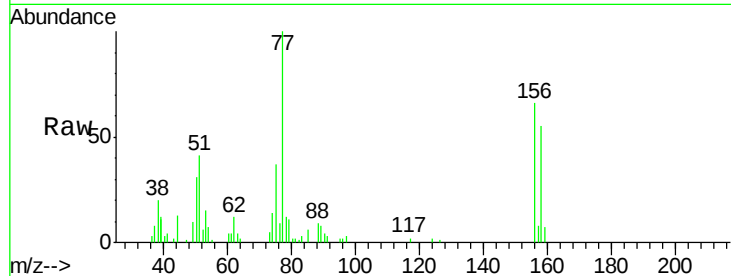
#77
Bromobenzene
Concen: 3.369 ug/l
RT: 12.60 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	211.5	106.5	319.6	
158	95.4	48.2	144.6	

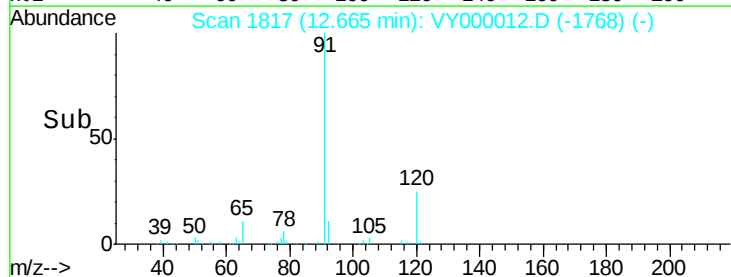
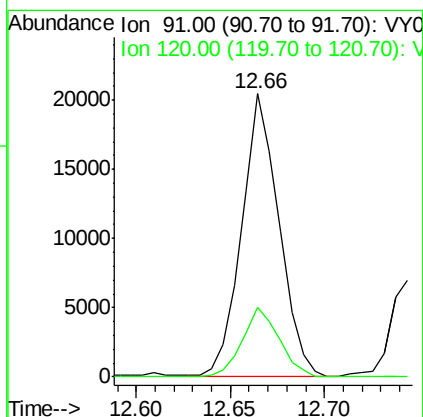
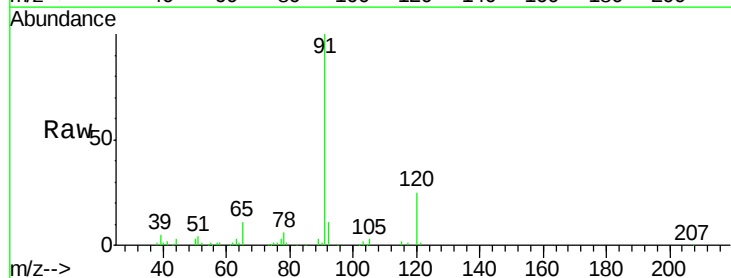
Manual Integrations
APPROVED

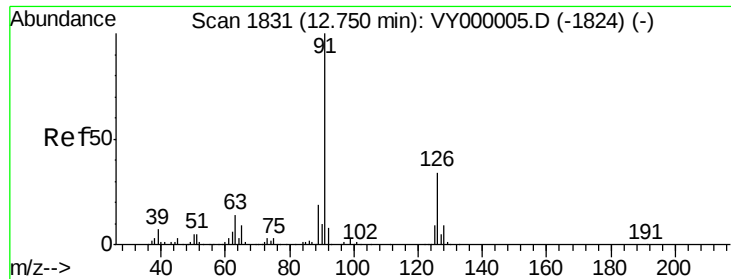
MMDadoda
9/13/2019 11:51:40 PM



#78
n-propylbenzene
Concen: 3.227 ug/l
RT: 12.66 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.3	33.9	





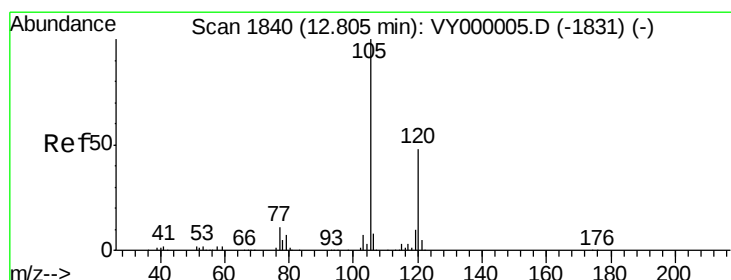
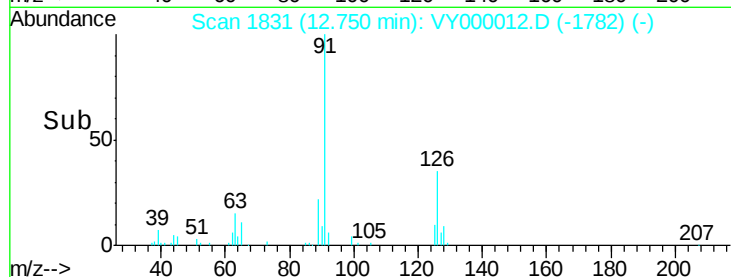
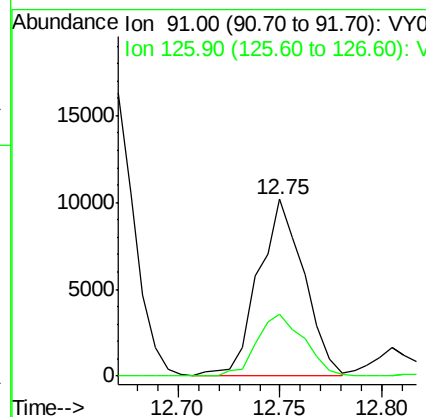
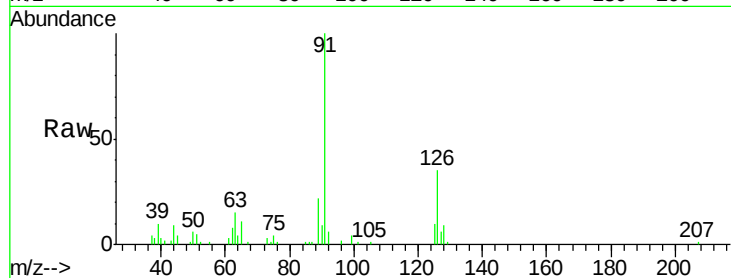
#79
 2-Chlorotoluene
 Concen: 3.272 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion: 91 Resp: 15888
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.2 51.6

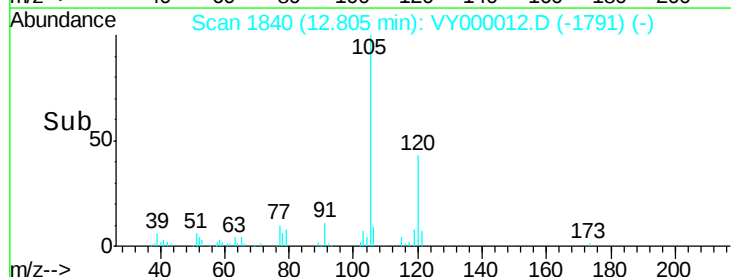
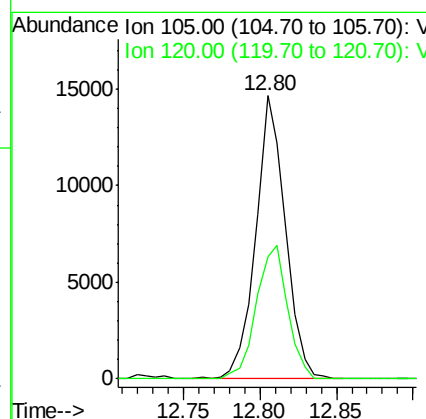
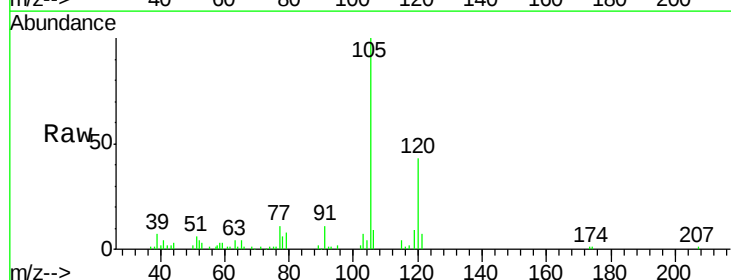
Manual Integrations
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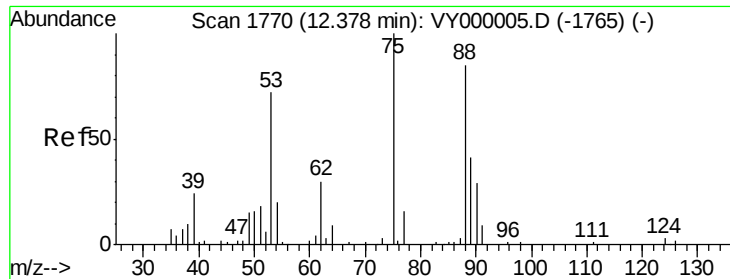
MMDadoda
 9/13/2019 11:51:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 3.299 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion: 105 Resp: 19727
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.101 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

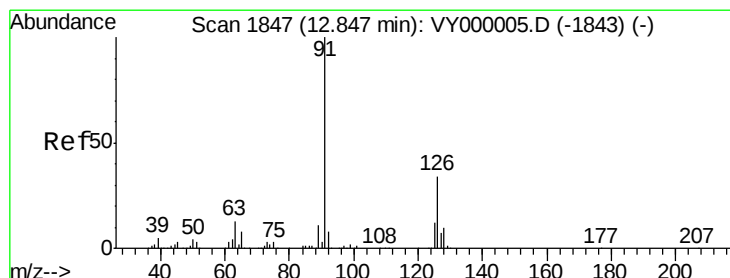
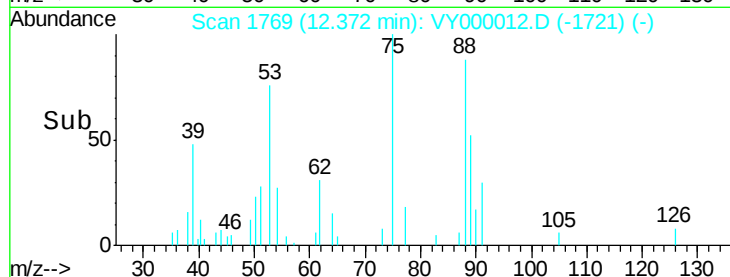
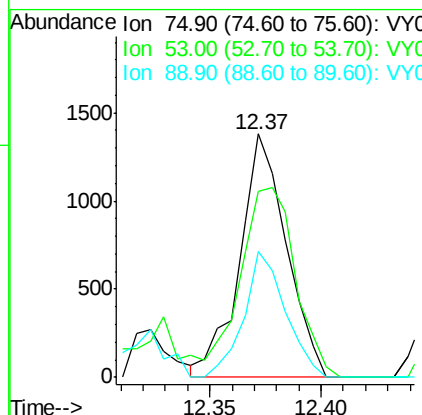
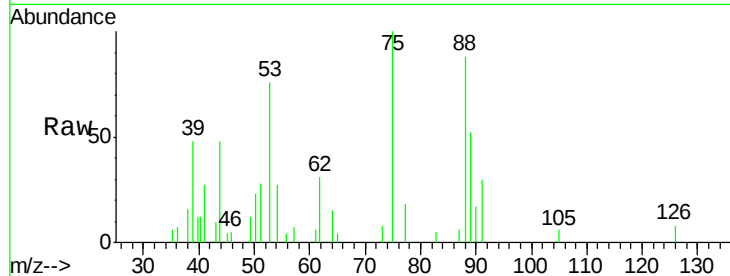
ClientSampleId :

MDL 3 PPB

Tot Ion:	75	Resp:	2022
Ion	Ratio	Lower	Upper
75	100		
53	91.1	63.0	94.6
89	45.9	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 3.164 ug/l

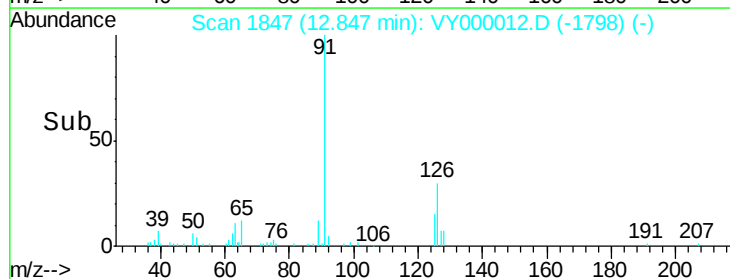
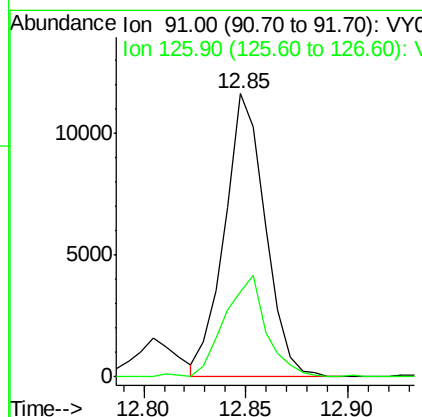
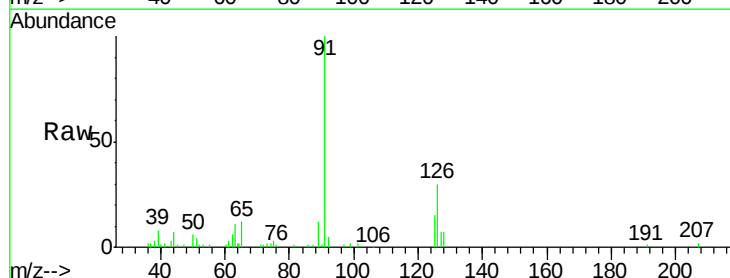
RT: 12.85 min Scan# 1847

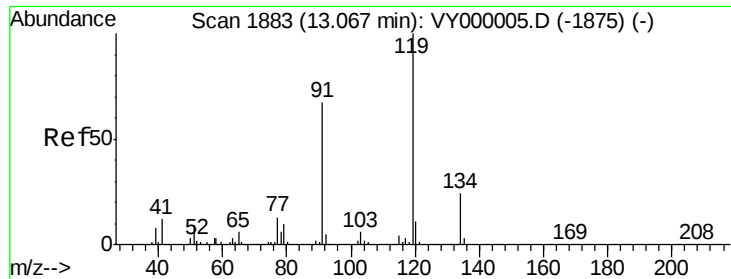
Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Tgt Ion:	91	Resp:	16048
Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.0	50.9





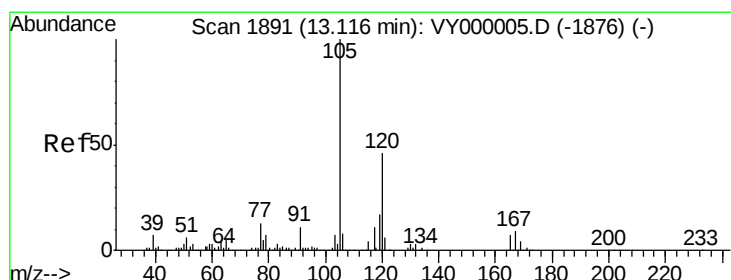
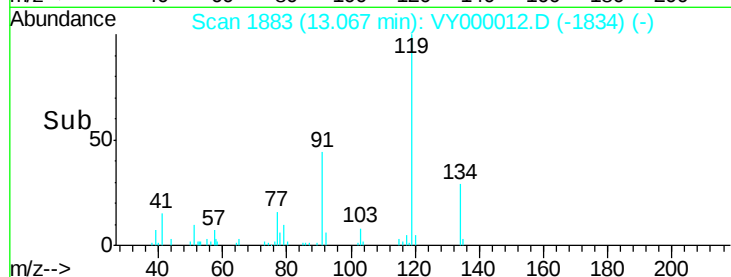
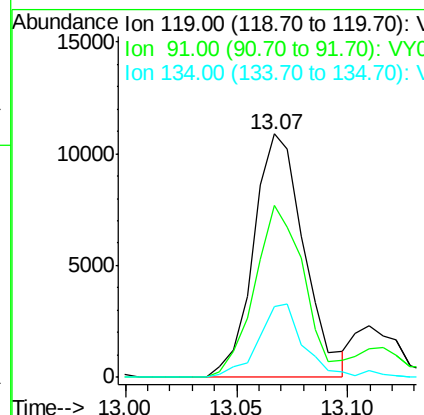
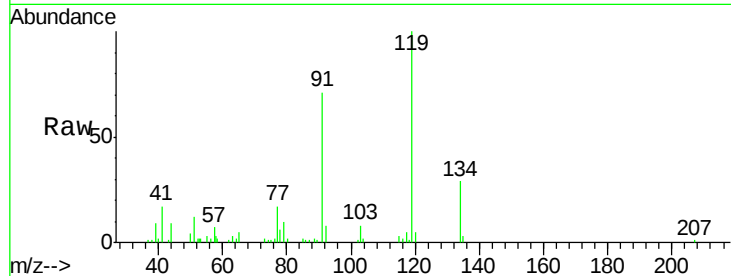
#83
tert-Butylbenzene
Concen: 3.376 ug/l
RT: 13.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.6	100.8
134	26.7	13.7	41.0

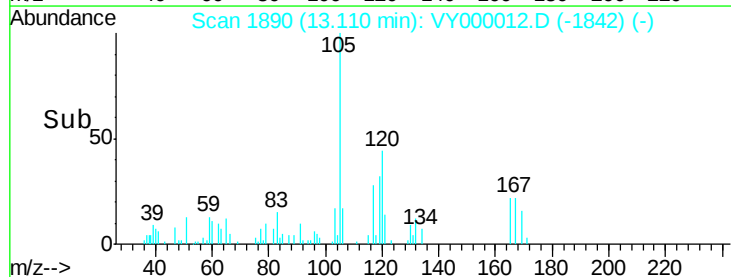
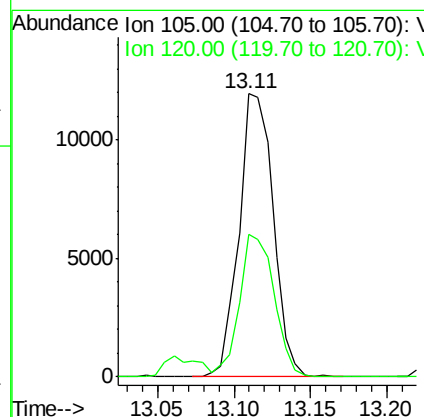
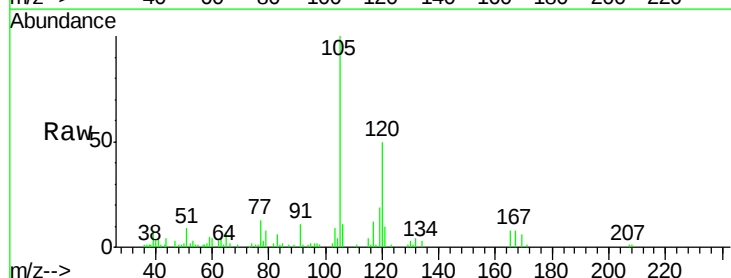
Manual Integrations
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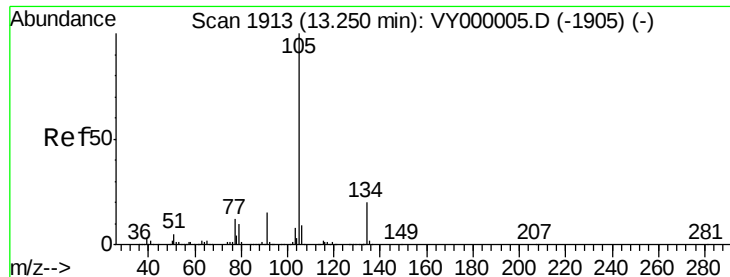
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#84
1,2,4-Trimethylbenzene
Concen: 3.173 ug/l
RT: 13.11 min Scan# 1890
Delta R.T. -0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 3.272 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:105 Resp: 24812

Ion Ratio Lower Upper

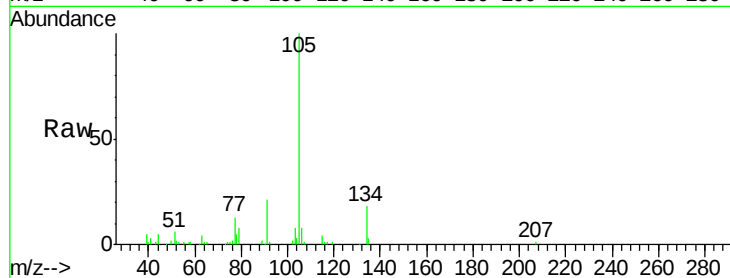
105 100

134 20.4 9.9 29.7

Manual Integrations
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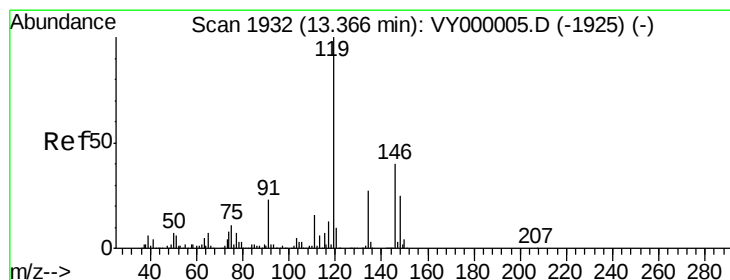
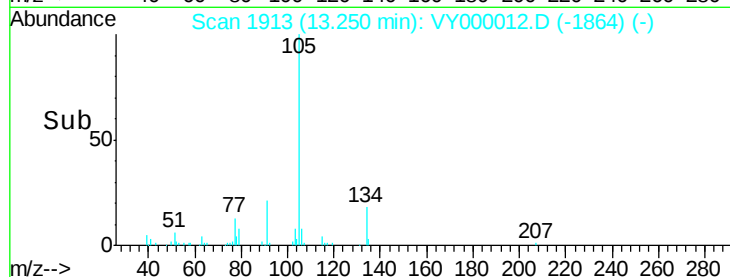
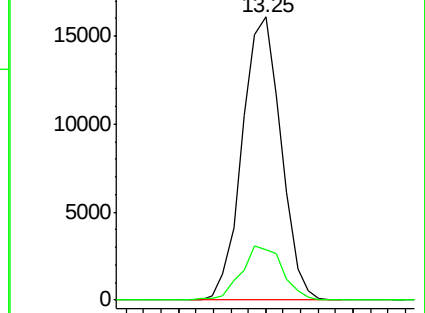
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.299 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000012.D

Acq: 11 Sep 2019 20:43

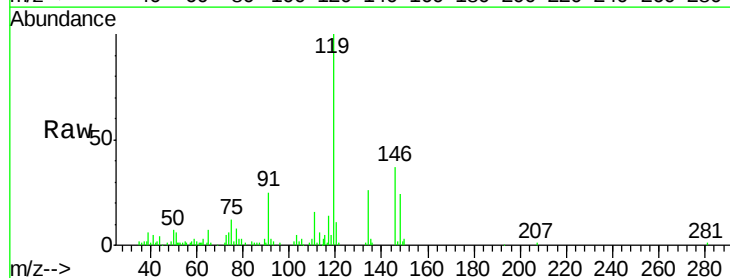
Tgt Ion:119 Resp: 21038

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

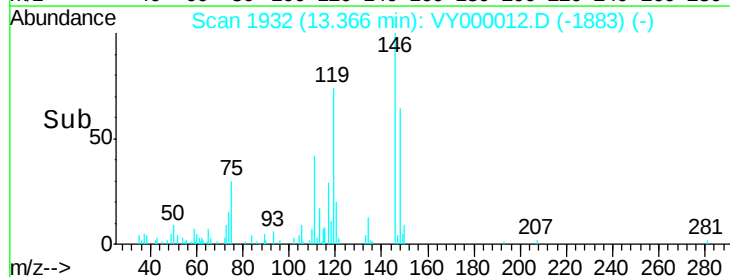
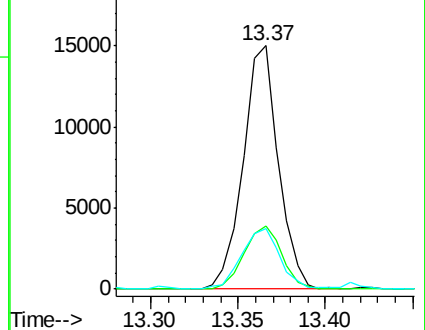
91 27.2 12.2 36.6

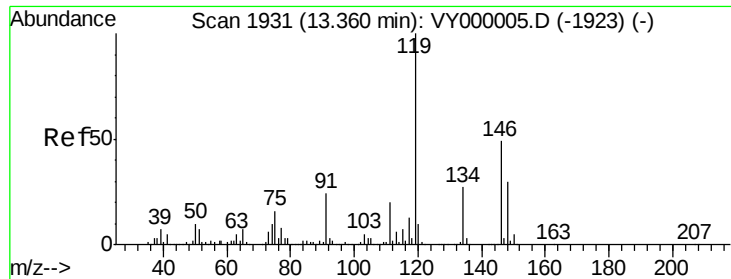


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





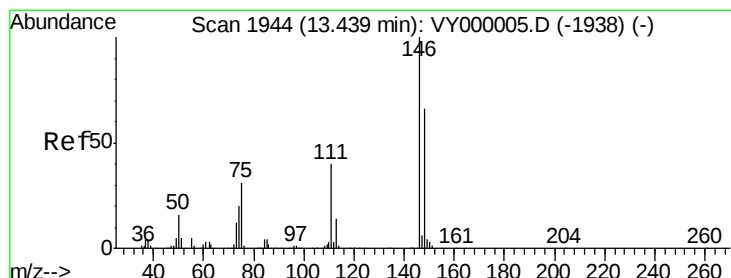
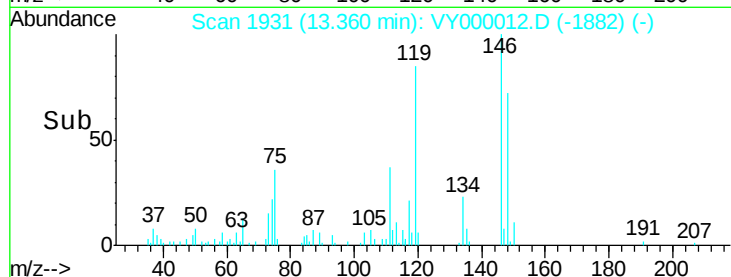
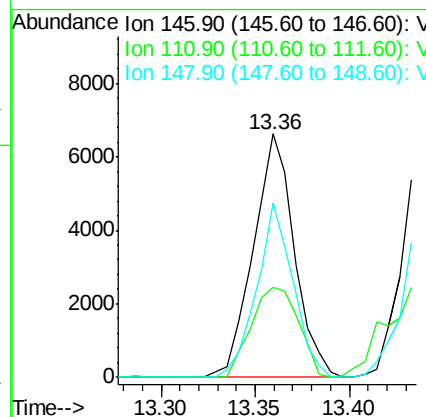
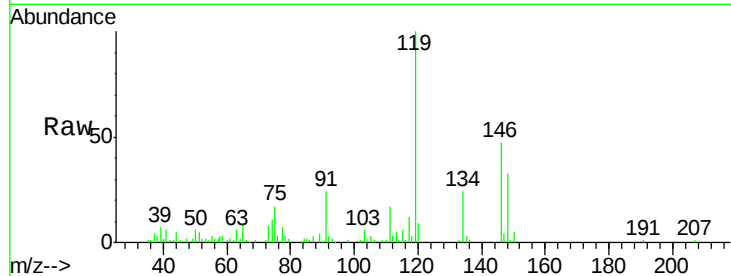
#87
 1,3-Dichlorobenzene
 Concen: 3.341 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.6	61.9
148	63.8	31.3	93.9

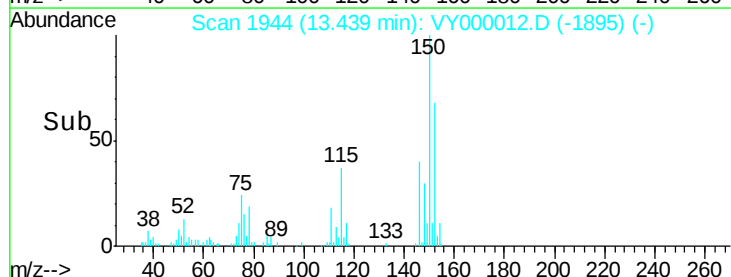
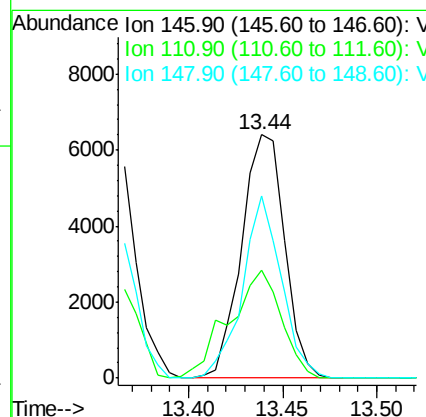
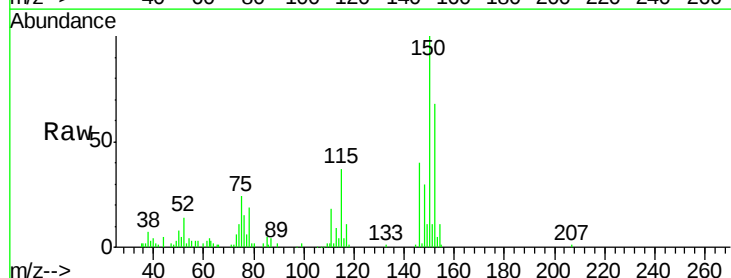
Manual Integrations
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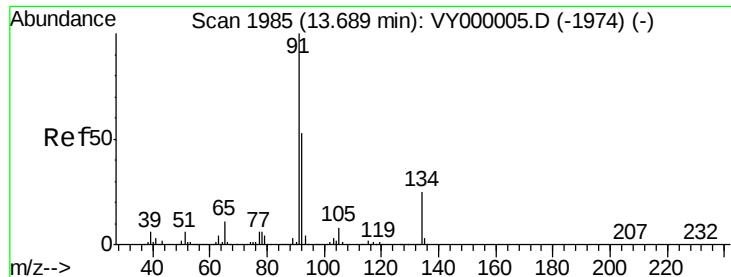
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 3.388 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.7	20.3	60.9
148	67.4	31.9	95.7





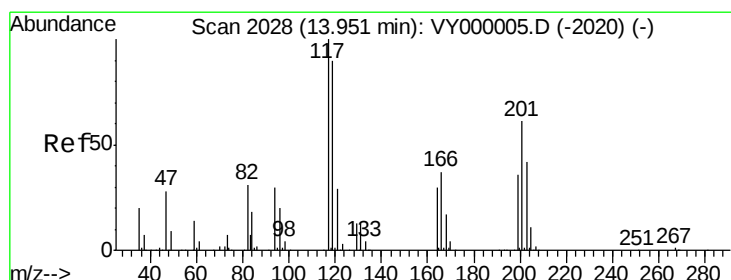
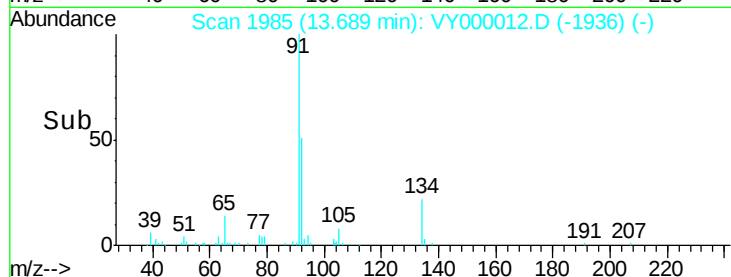
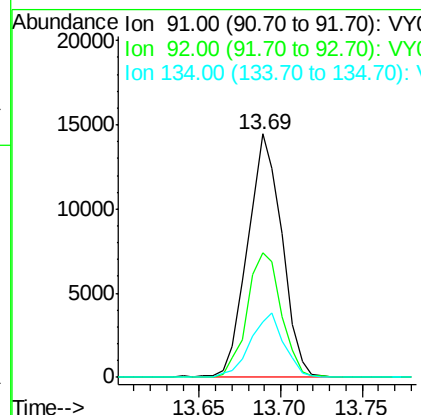
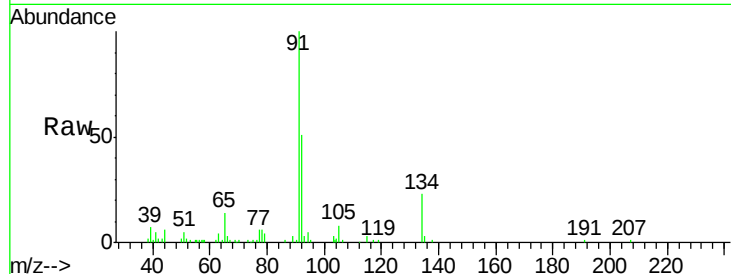
#89
n-Butylbenzene
Concen: 3.322 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.0	80.8
134	26.0	12.7	38.0

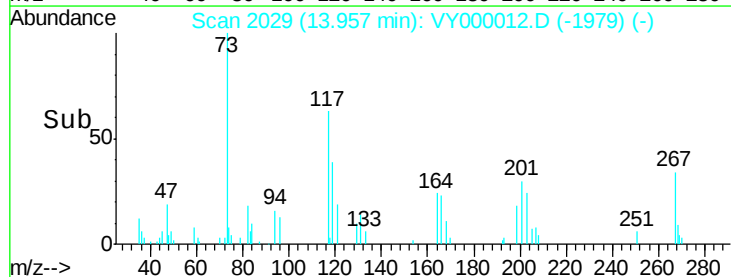
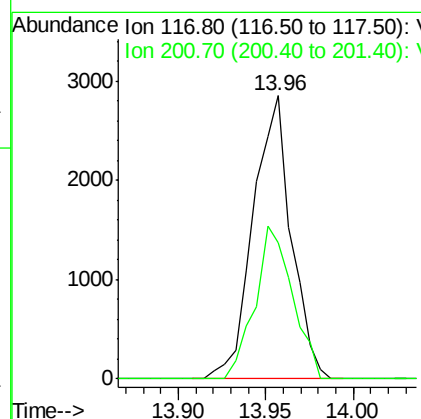
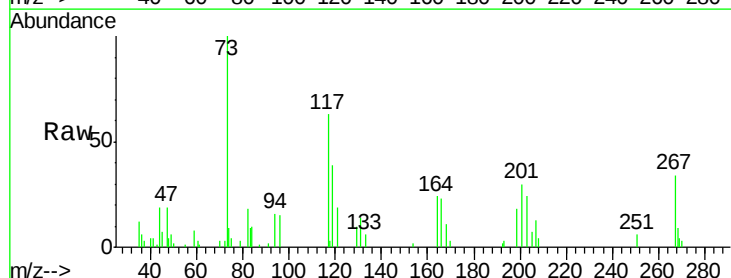
Manual Integrations
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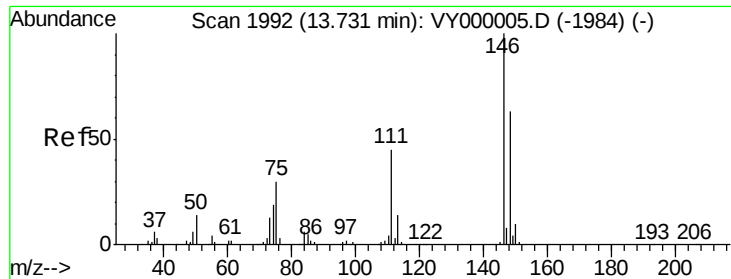
MMDadoda
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#90
Hexachloroethane
Concen: 3.349 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	53.1	32.3	96.8





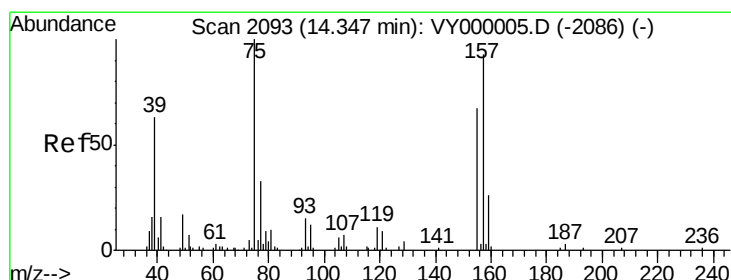
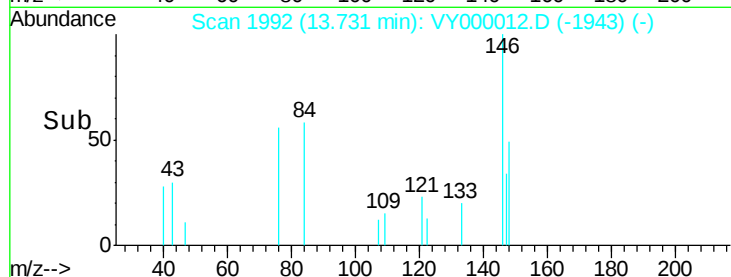
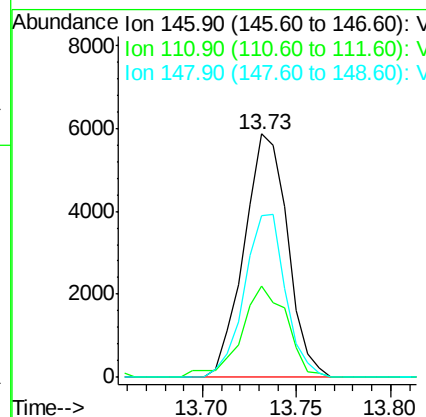
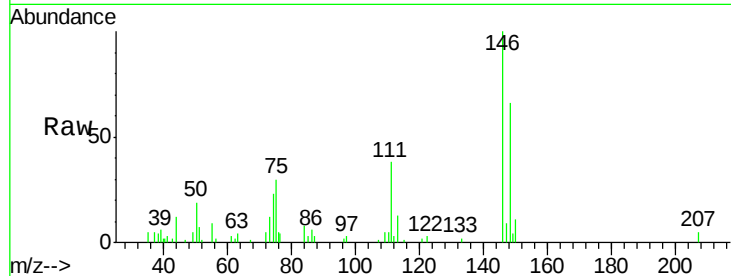
#91
 1,2-Dichlorobenzene
 Concen: 3.352 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.9	65.5
148	63.3	31.9	95.5

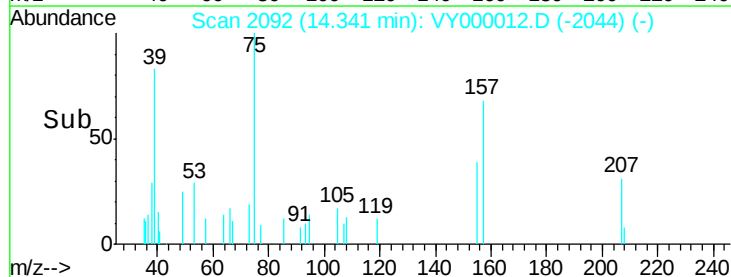
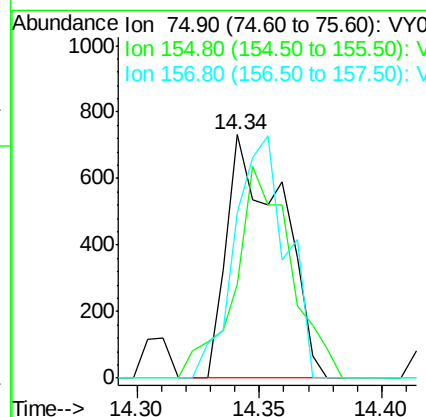
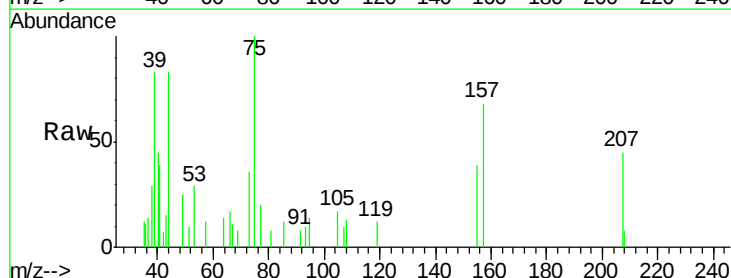
Manual Integrations
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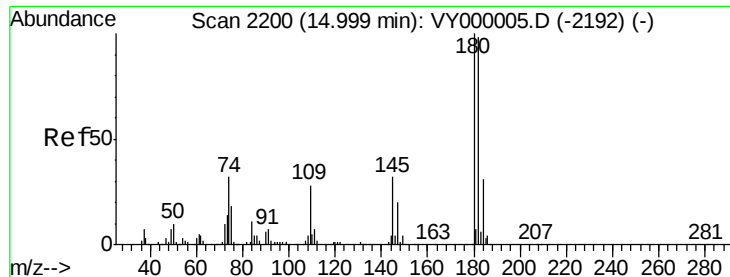
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.697 ug/l
 RT: 14.34 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	41.4	124.2
157	92.9	52.8	158.4





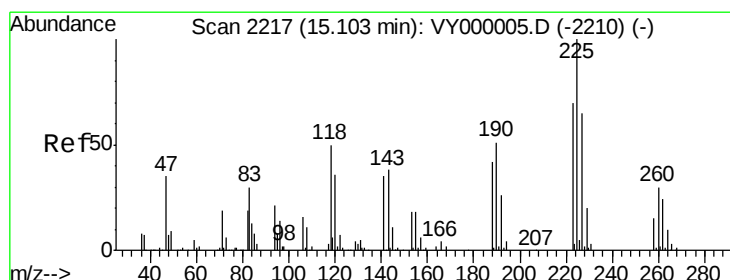
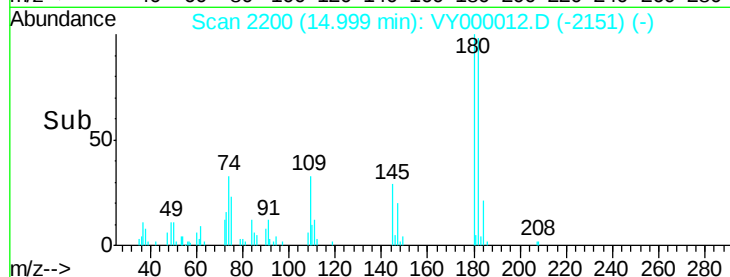
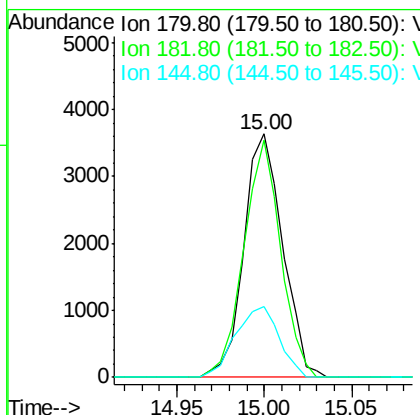
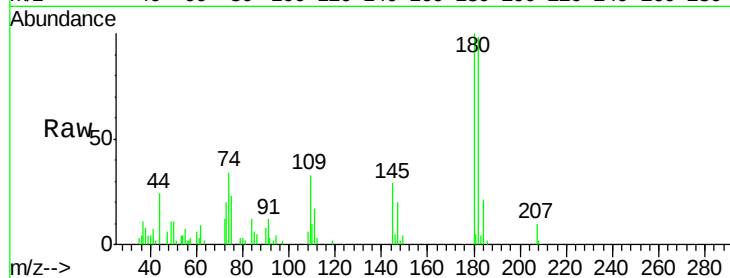
#93
 1,2,4-Trichlorobenzene
 Concen: 3.287 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5614		
182	92.6		48.4	145.2
145	32.7		17.2	51.6

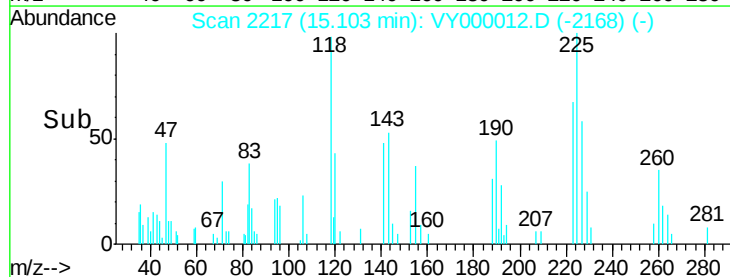
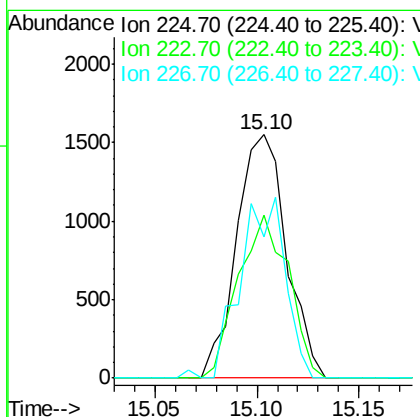
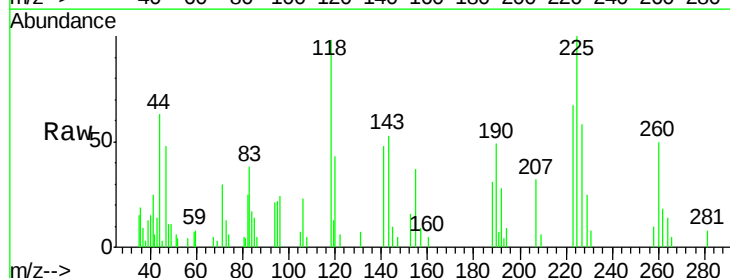
Manual Integrations
 APPROVED

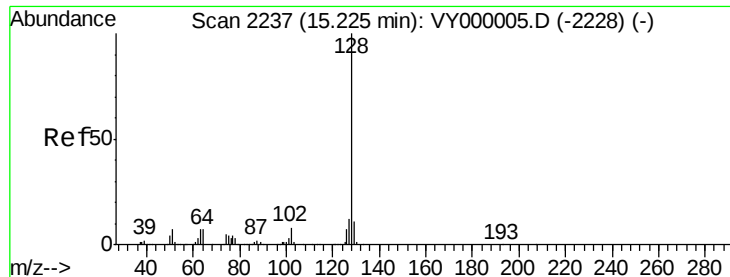
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#94
 Hexachlorobutadiene
 Concen: 3.180 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000012.D
 Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2630		
223	67.4		32.3	96.8
227	67.3		31.8	95.4





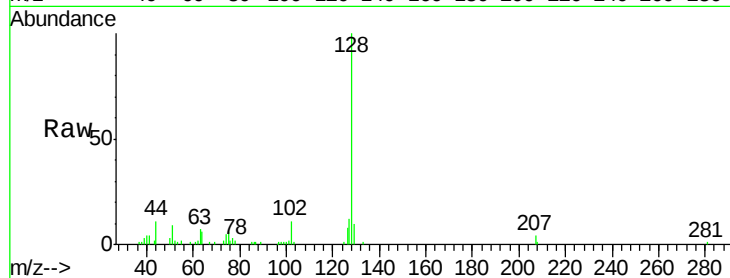
#95
Naphthalene
Concen: 3.355 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

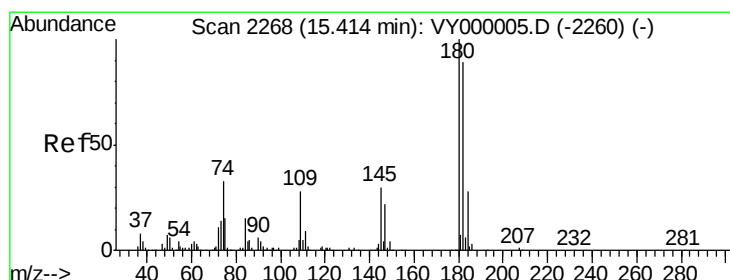
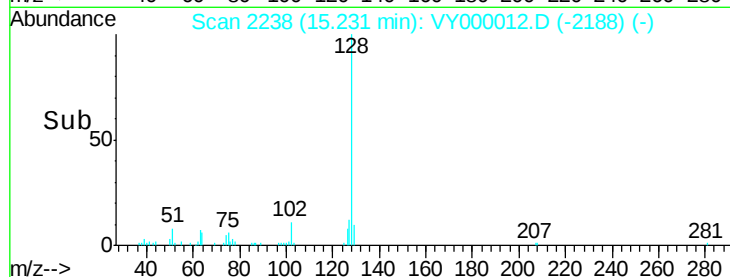
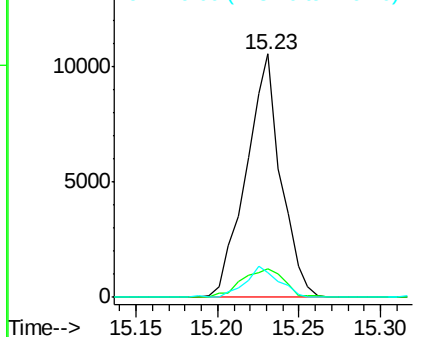
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	9.8	14.8
129	11.9	8.9	13.3

Manual Integrations
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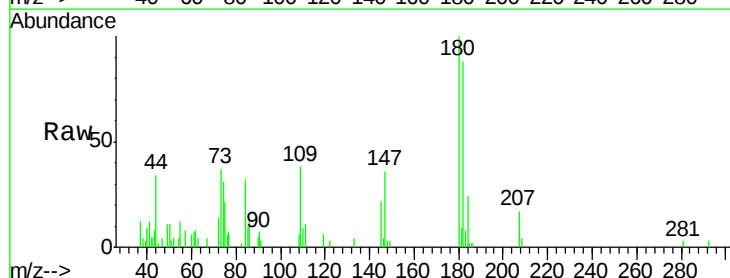


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.500 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000012.D
Acq: 11 Sep 2019 20:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.6	46.1	138.2
145	18.6	16.2	48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

