

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000067.D
 Acq On : 18 Sep 2019 17:49
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:35 AM

Quant Time: Sep 19 05:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:25:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	98868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	197690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	173598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	72763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	60454	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.73	113	57430	47.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.18	98	240870	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.48	95	84764	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	3784	4.899	ug/l	84
3) Chloromethane	2.11	50	6755	5.967	ug/l	92
4) Vinyl Chloride	2.25	62	5604	5.080	ug/l	93
5) Bromomethane	2.63	94	3865	5.384	ug/l	95
6) Chloroethane	2.78	64	4039	5.462	ug/l #	86
7) Trichlorofluoromethane	3.12	101	7445	4.881	ug/l	88
8) Diethyl Ether	3.53	74	3088	4.728	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4841	4.626	ug/l	99
10) Methyl Iodide	4.09	142	4664	4.286	ug/l #	94
11) Tert butyl alcohol	4.98	59	3658	27.126	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	4358	4.518	ug/l	97
13) Acrolein	3.74	56	1925m	24.221	ug/l	
14) Allyl chloride	4.47	41	7401	5.020	ug/l	100
15) Acrylonitrile	5.17	53	9315	23.785	ug/l	99
16) Acetone	3.95	43	8162	30.818	ug/l	95
17) Carbon Disulfide	4.19	76	10893	5.800	ug/l #	94
18) Methyl Acetate	4.49	43	4745	5.363	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	13443	4.459	ug/l	94
20) Methylene Chloride	4.71	84	8170	6.558	ug/l	88
21) trans-1,2-Dichloroethene	5.22	96	5425	5.059	ug/l	93
22) Diisopropyl ether	6.13	45	15404	4.624	ug/l #	82
23) Vinyl Acetate	6.06	43	47025	21.092	ug/l	100
24) 1,1-Dichloroethane	6.02	63	9365	4.750	ug/l	96
25) 2-Butanone	6.99	43	11655	24.296	ug/l	92
26) 2,2-Dichloropropane	6.99	77	10085	5.420	ug/l	88
27) cis-1,2-Dichloroethene	6.99	96	6617	4.874	ug/l	92
28) Bromochloromethane	7.34	49	4783	5.233	ug/l #	90
29) Tetrahydrofuran	7.35	42	6624	23.002	ug/l	94
30) Chloroform	7.51	83	9669	4.752	ug/l	97
31) Cyclohexane	7.79	56	10566	6.579	ug/l #	75
32) 1,1,1-Trichloroethane	7.70	97	7758	4.694	ug/l	98
36) 1,1-Dichloropropene	7.92	75	6824	4.616	ug/l	96
37) Ethyl Acetate	7.09	43	4692	4.762	ug/l	97
38) Carbon Tetrachloride	7.90	117	6097	4.370	ug/l	84

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

39) Methylcyclohexane	9.18	83	8640	4.753	ug/l #	93
40) Benzene	8.16	78	22358	4.579	ug/l	97
41) Methacrylonitrile	7.31	41	2098	3.531	ug/l #	53
42) 1,2-Dichloroethane	8.24	62	5575	4.311	ug/l	96
43) Isopropyl Acetate	8.28	43	8481	4.401	ug/l	92
44) Trichloroethene	8.94	130	5221	4.186	ug/l	98
45) 1,2-Dichloropropane	9.22	63	6299	4.981	ug/l	100
46) Dibromomethane	9.31	93	3109	4.501	ug/l	88
47) Bromodichloromethane	9.50	83	7766	4.633	ug/l	98
48) Methyl methacrylate	9.29	41	4095	4.832	ug/l	94
49) 1,4-Dioxane	9.31	88	1147	85.518	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	23243	22.092	ug/l	99
52) Toluene	10.24	92	14502	4.675	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	7442	4.187	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	8979	4.375	ug/l #	90
55) 1,1,2-Trichloroethane	10.64	97	4797	4.429	ug/l	91
56) Ethyl methacrylate	10.51	69	6570	4.263	ug/l	95
57) 1,3-Dichloropropane	10.79	76	7898	4.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	19519	23.430	ug/l	98
59) 2-Hexanone	10.83	43	15698	20.914	ug/l	92
60) Dibromochloromethane	10.99	129	4915	4.332	ug/l	90
61) 1,2-Dibromoethane	11.09	107	4653	4.704	ug/l	96
64) Tetrachloroethene	10.71	164	5094	4.675	ug/l	82
65) Chlorobenzene	11.51	112	14181	4.130	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4820	4.151	ug/l	96
67) Ethyl Benzene	11.59	91	26863	4.384	ug/l	99
68) m/p-Xylenes	11.70	106	21188	9.087	ug/l	99
69) o-Xylene	12.02	106	9217	4.082	ug/l	90
70) Styrene	12.04	104	16623	4.194	ug/l	98
71) Bromoform	12.20	173	2553	3.798	ug/l #	97
73) Isopropylbenzene	12.32	105	26260	4.478	ug/l	98
74) N-amyl acetate	12.14	43	7256	4.343	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	6633	4.805	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	4001m	3.908	ug/l	
77) Bromobenzene	12.60	156	5706	4.660	ug/l	96
78) n-propylbenzene	12.67	91	32349	4.522	ug/l	97
79) 2-Chlorotoluene	12.75	91	17887	4.473	ug/l	93
80) 1,3,5-Trimethylbenzene	12.80	105	21217	4.368	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	2296	4.313	ug/l	92
82) 4-Chlorotoluene	12.85	91	18278	4.420	ug/l	98
83) tert-Butylbenzene	13.07	119	18644	4.486	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	20833	4.350	ug/l	100
85) sec-Butylbenzene	13.25	105	27809	4.529	ug/l	99
86) p-Isopropyltoluene	13.37	119	22849	4.390	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	10320	4.249	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	11412	4.676	ug/l	94
89) n-Butylbenzene	13.69	91	23678	4.422	ug/l	97
90) Hexachloroethane	13.96	117	4382	4.285	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	9973	4.370	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1266	5.151	ug/l	78

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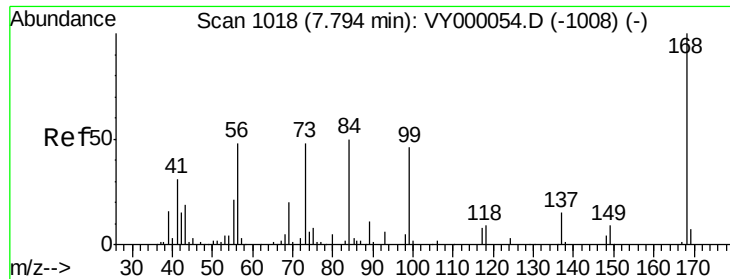
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5781	4.198	ug/l	95
94) Hexachlorobutadiene	15.10	225	2561	3.874	ug/l	94
95) Naphthalene	15.23	128	16994	4.347	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5325	4.052	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion:168 Resp: 98868

Ion Ratio Lower Upper

168 100

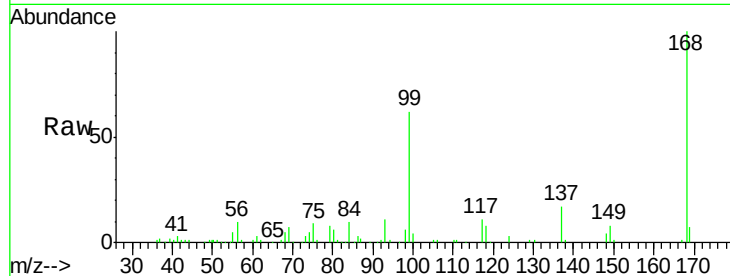
99 62.4 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

40000

30000

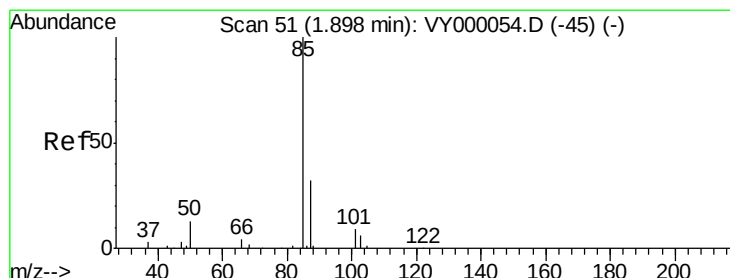
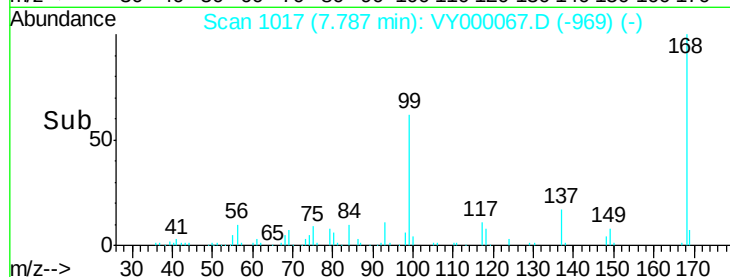
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.899 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000067.D

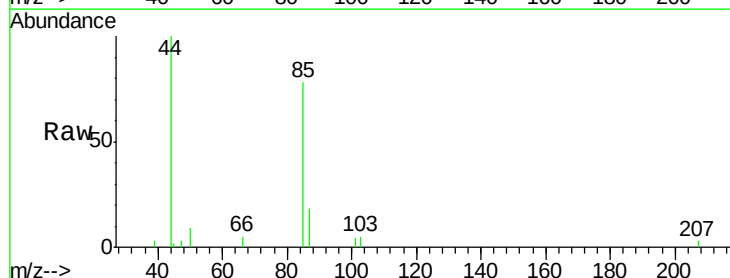
Acq: 18 Sep 2019 17:49

Tgt Ion: 85 Resp: 3784

Ion Ratio Lower Upper

85 100

87 23.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.90

3000

2500

2000

1500

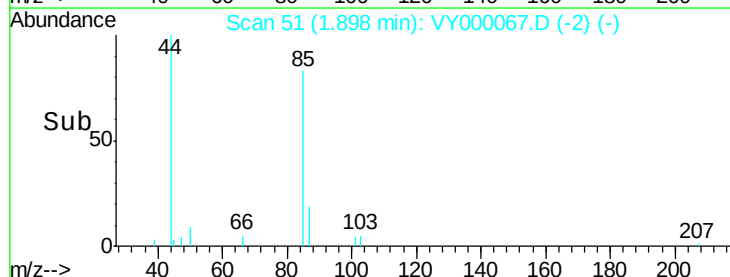
1000

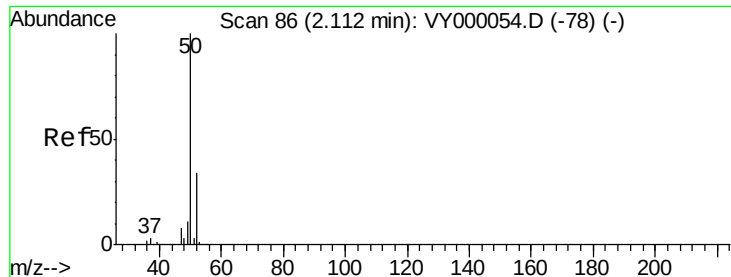
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.967 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 50 Resp: 6755

Ion Ratio Lower Upper

50 100

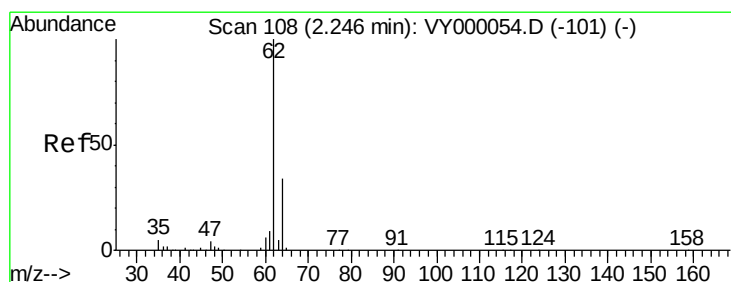
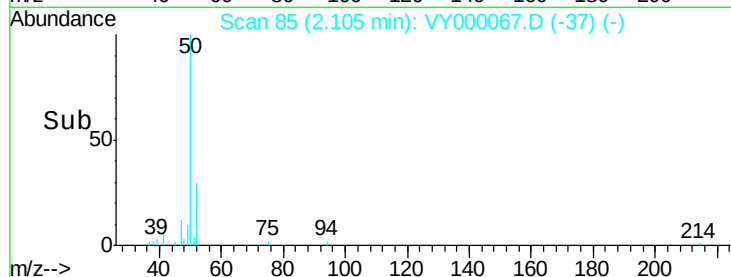
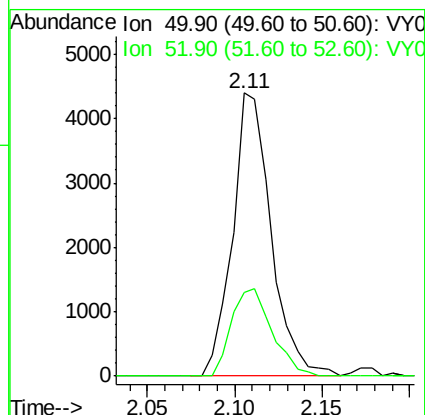
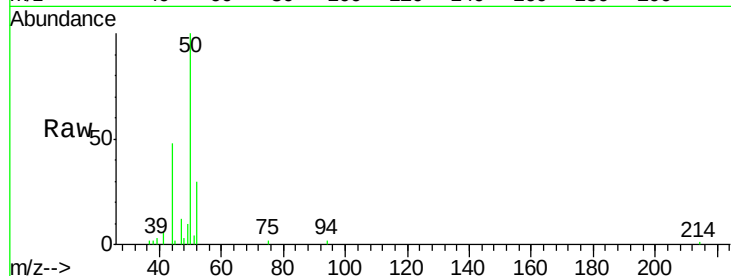
52 29.7 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.080 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000067.D

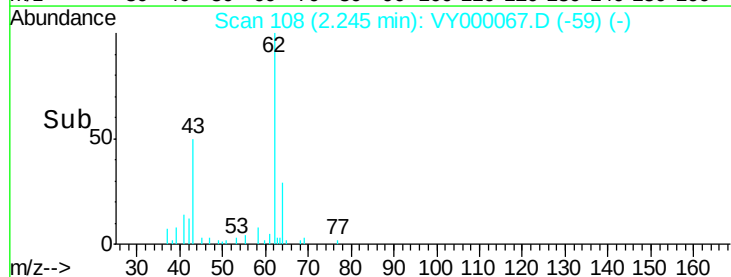
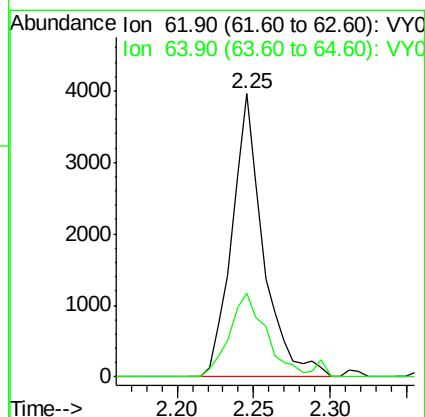
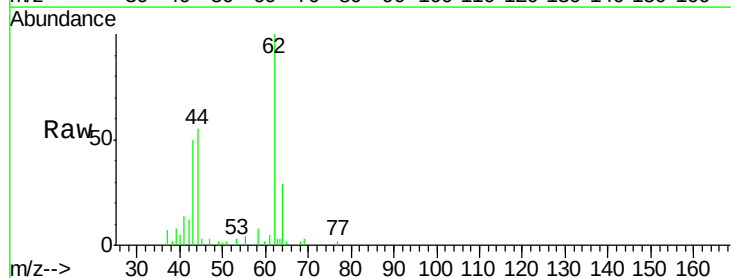
Acq: 18 Sep 2019 17:49

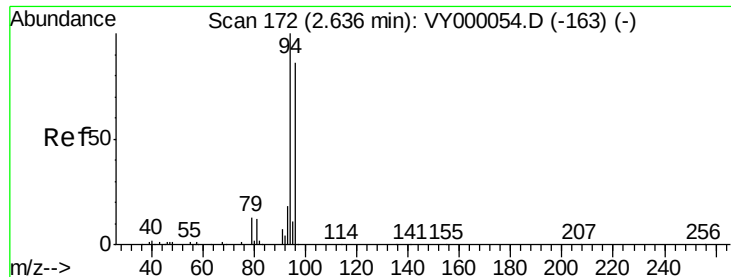
Tgt Ion: 62 Resp: 5604

Ion Ratio Lower Upper

62 100

64 29.4 26.9 40.3





#5

Bromomethane

Concen: 5.384 ug/l

RT: 2.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 94 Resp: 3865

Ion Ratio Lower Upper

94 100

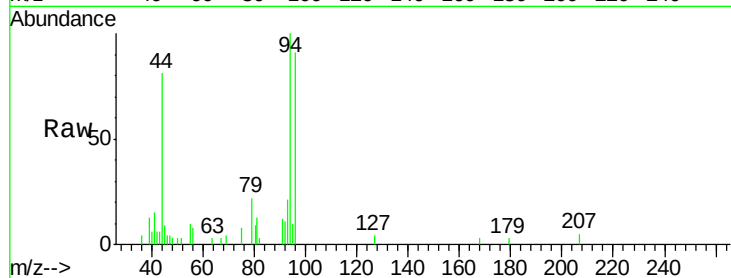
96 91.1 69.1 103.7

Manual Integrations

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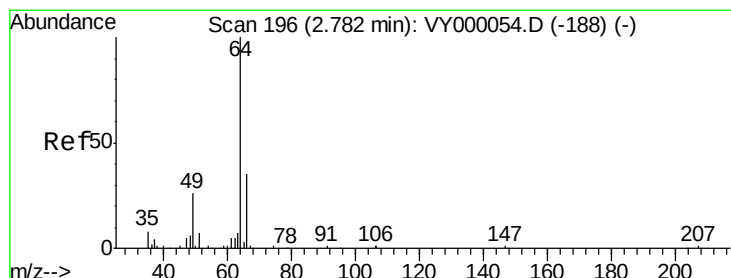
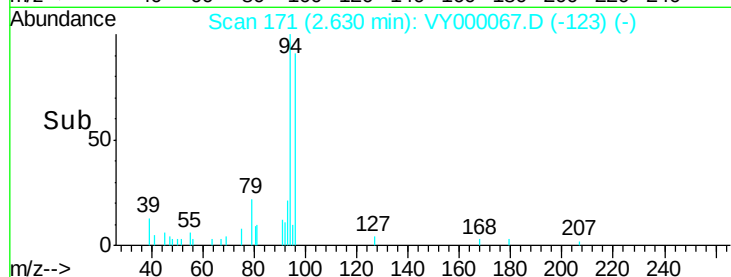
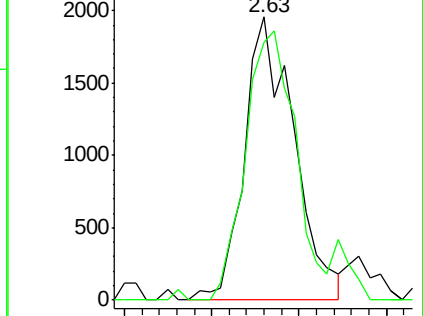
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.462 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000067.D

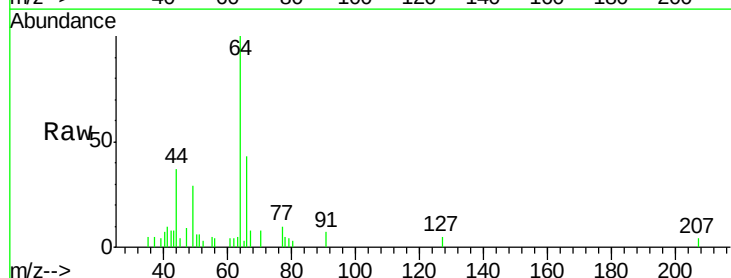
Acq: 18 Sep 2019 17:49

Tgt Ion: 64 Resp: 4039

Ion Ratio Lower Upper

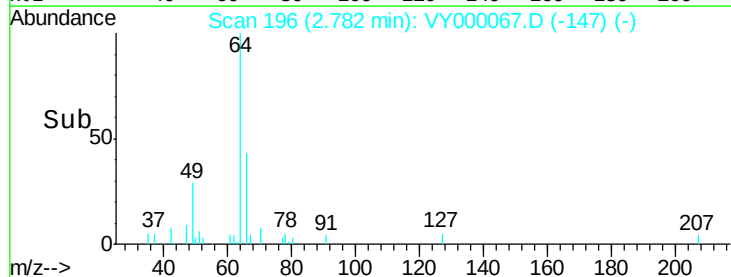
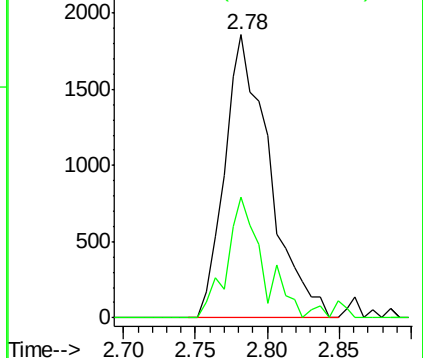
64 100

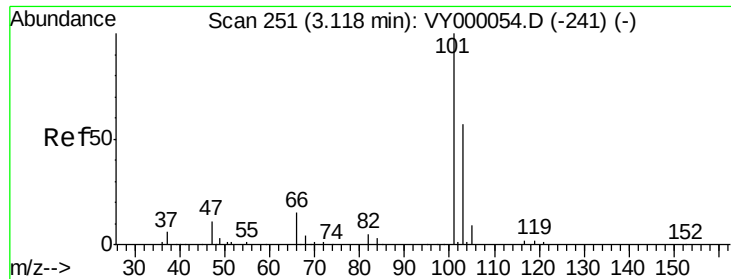
66 42.8 27.7 41.5#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

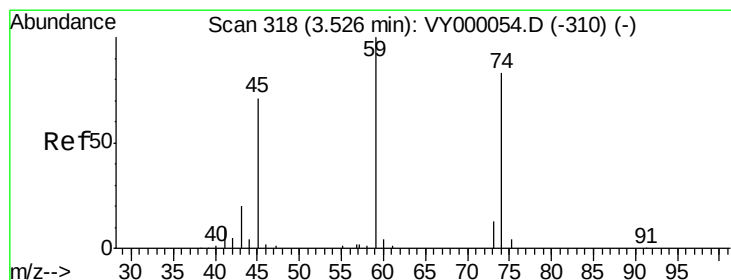
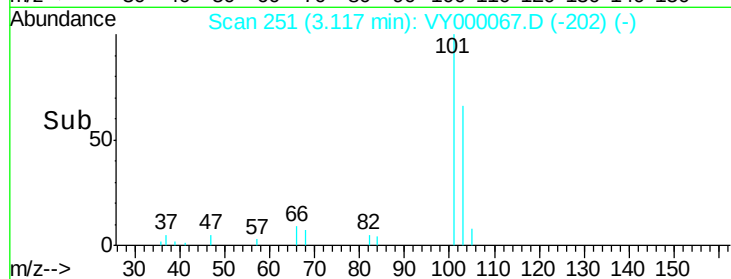
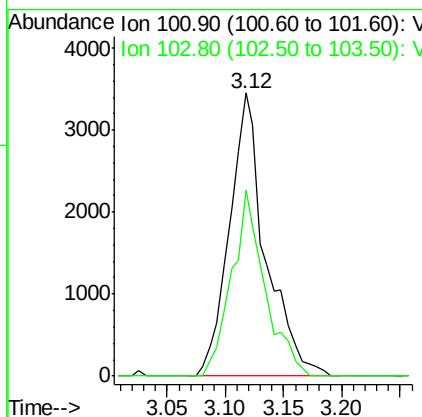
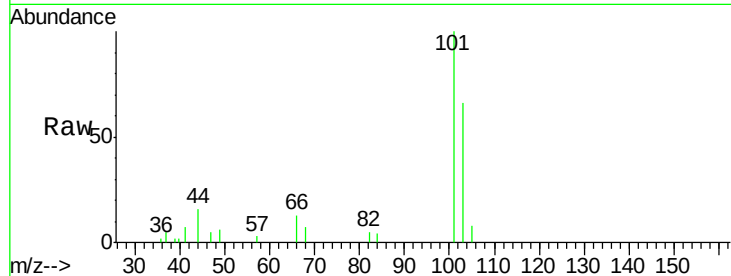
Trichlorofluoromethane
Concen: 4.881 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	45.7	68.5

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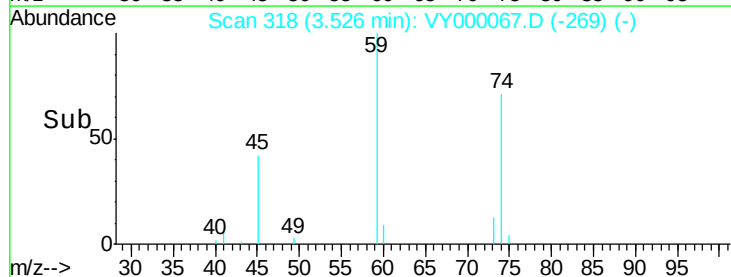
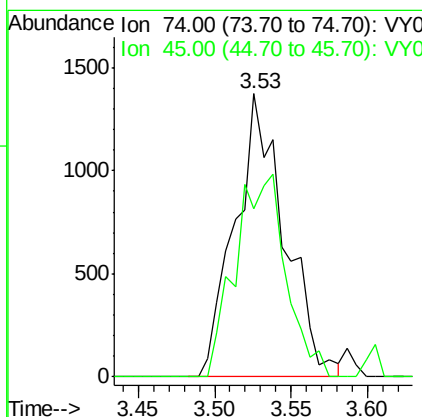
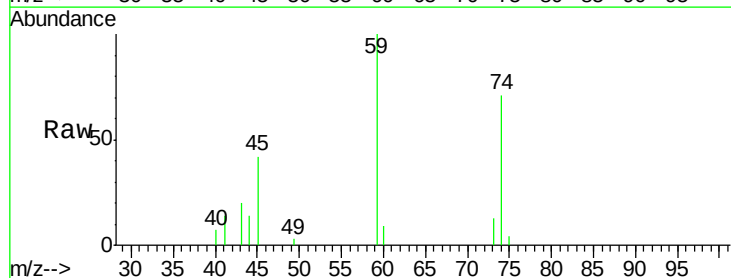
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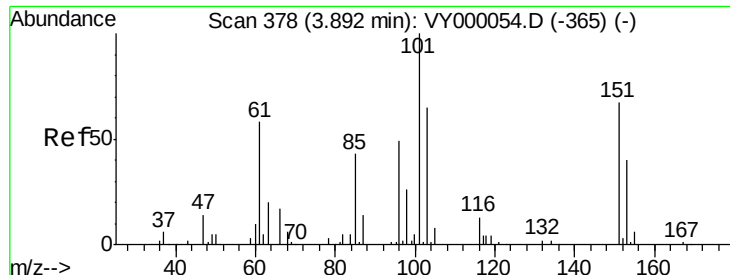


#8

Diethyl Ether
Concen: 4.728 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.5	40.6	122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.626 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

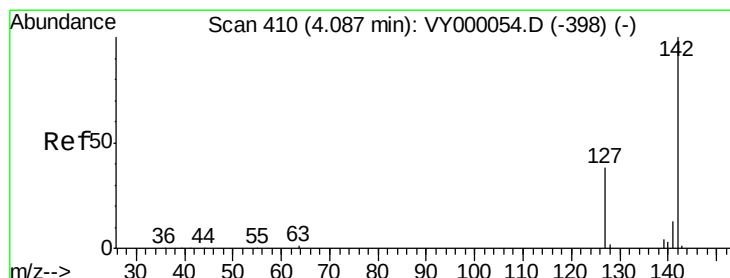
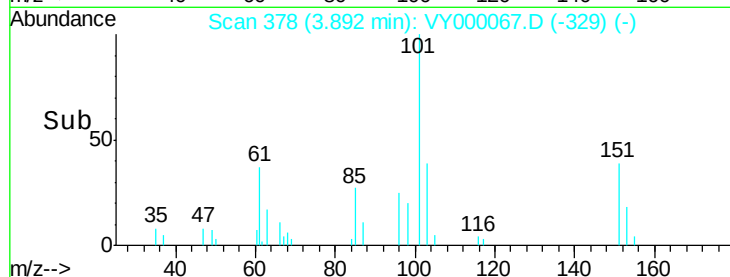
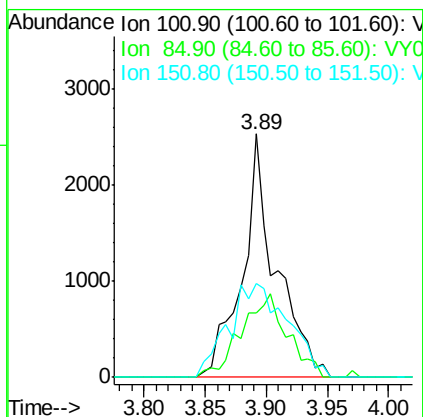
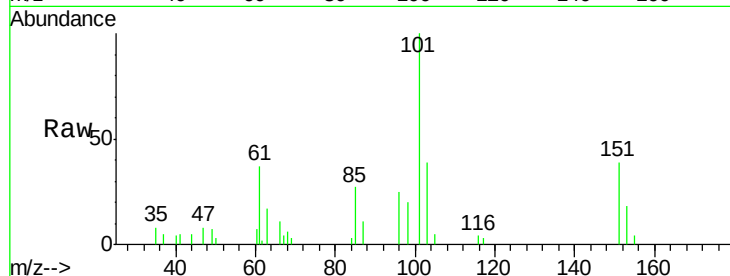
ClientSampleId :

MDL3

Tot Ion:	101	Resp:	4841
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.8	55.2
151	68.4	54.4	81.6

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#10

Methyl Iodide

Concen: 4.286 ug/l

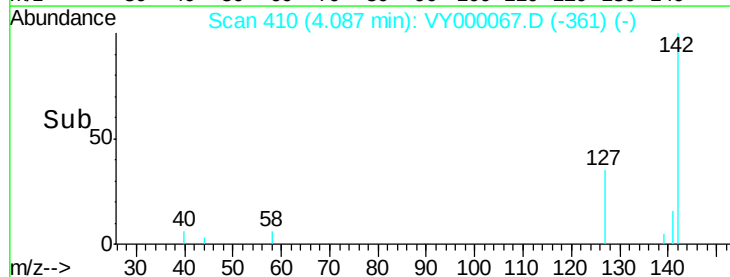
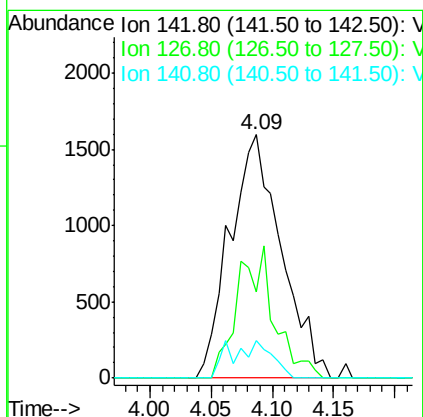
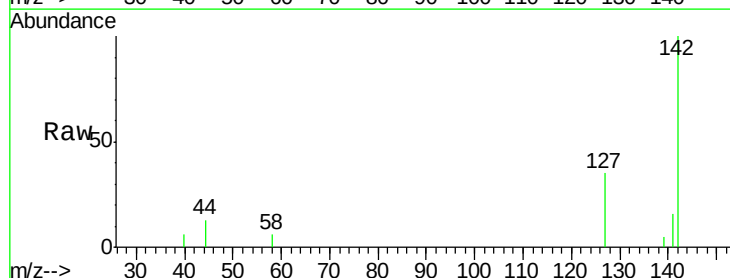
RT: 4.09 min Scan# 410

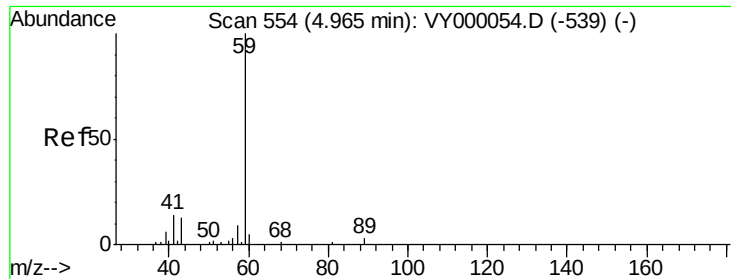
Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	142	Resp:	4664
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.6	47.4
141	6.0	10.9	16.3#





#11

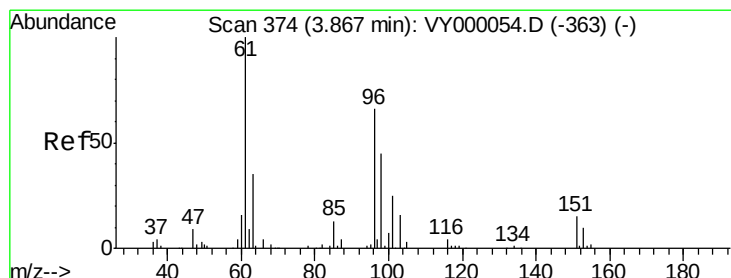
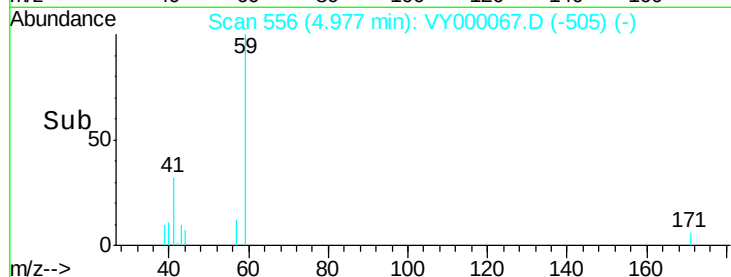
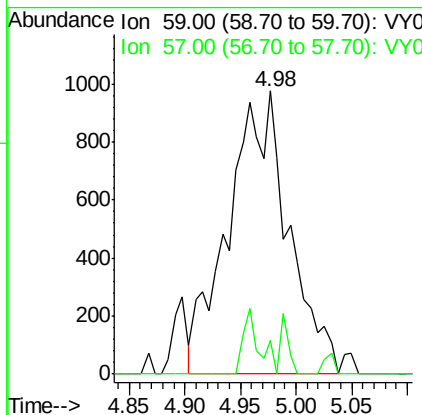
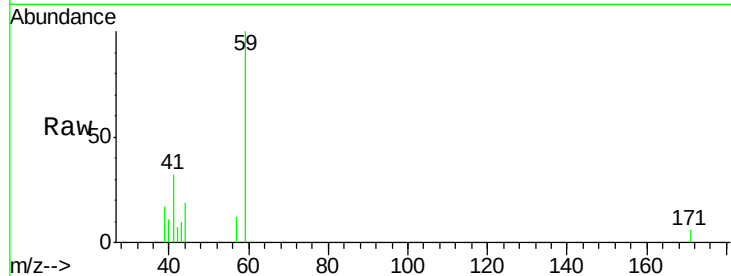
Tert butyl alcohol
 Concen: 27.126 ug/l
 RT: 4.98 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.0	12.0#

Manual Integrations
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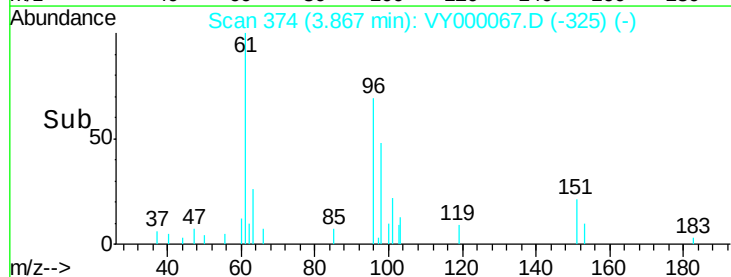
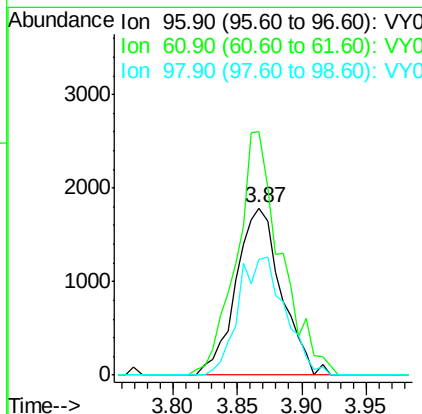
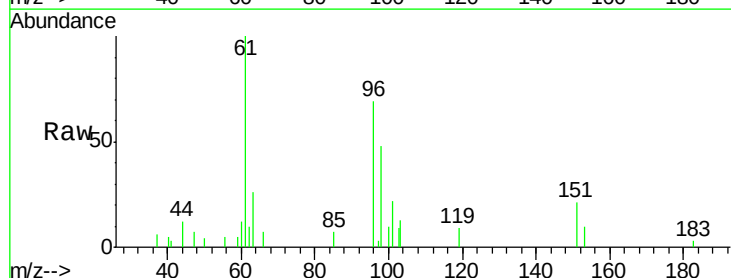
MMDadoda
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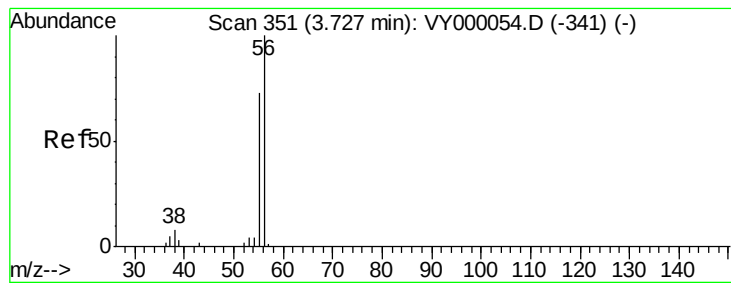


#12

1,1-Dichloroethene
 Concen: 4.518 ug/l
 RT: 3.87 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.4	120.4	180.6
98	69.2	54.1	81.1





#13

Acrolein

Concen: 24.221 ug/l m

RT: 3.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 56 Resp: 1925

Ion Ratio Lower Upper

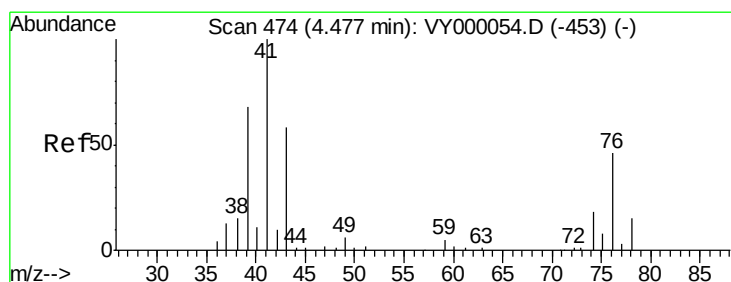
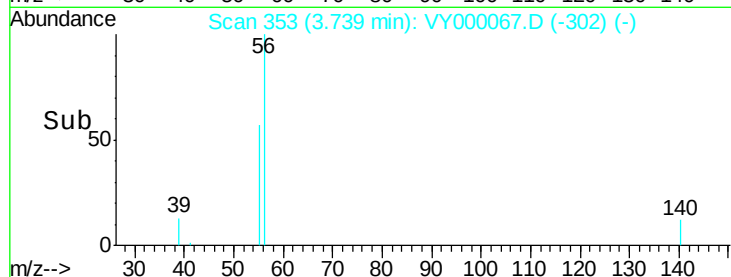
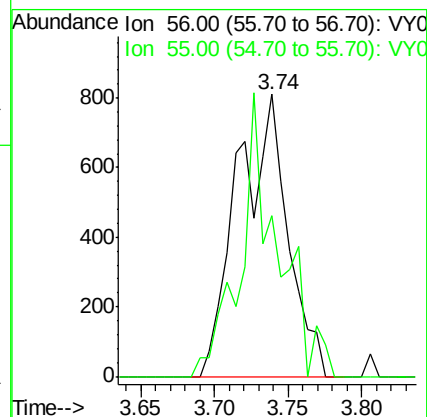
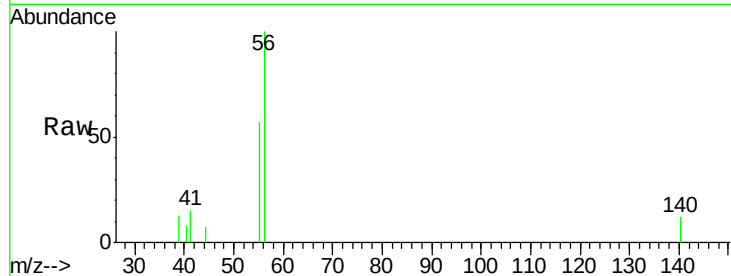
56 100

55 74.8 57.8 86.8

Manual Integrations
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#14

Allyl chloride

Concen: 5.020 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

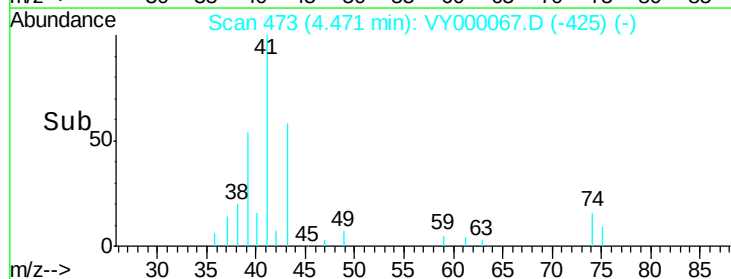
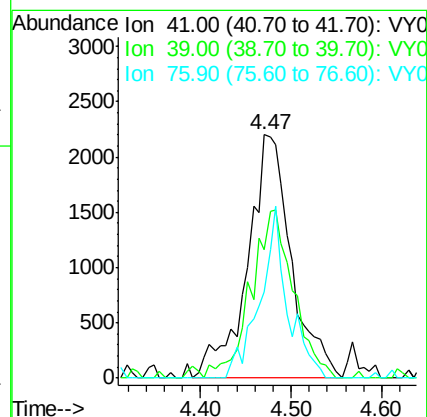
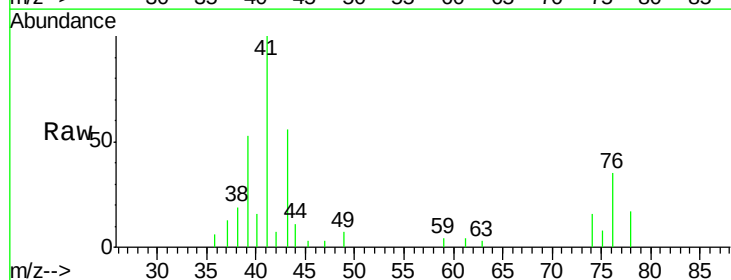
Tgt Ion: 41 Resp: 7401

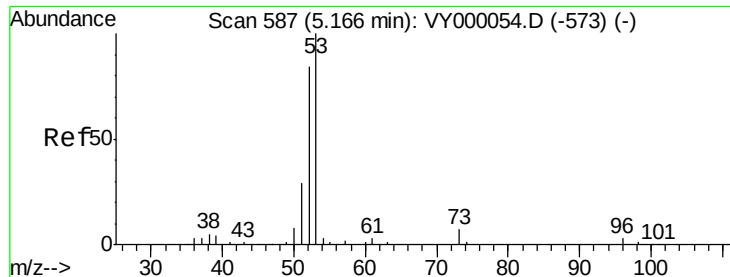
Ion Ratio Lower Upper

41 100

39 66.4 52.7 79.1

76 44.5 35.5 53.3





#15

Acrylonitrile

Concen: 23.785 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

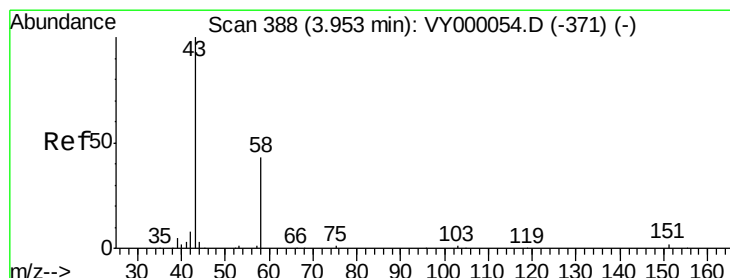
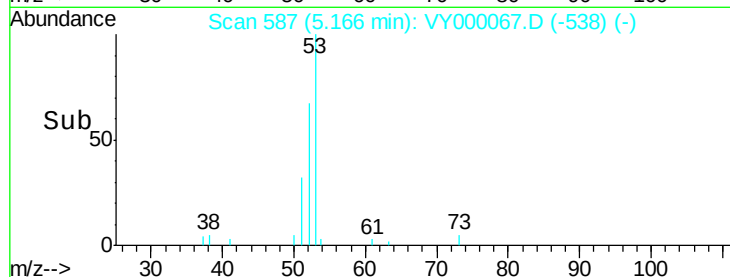
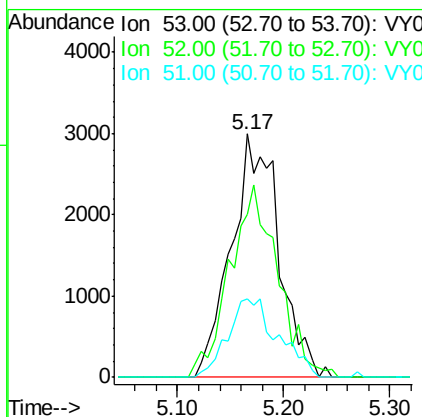
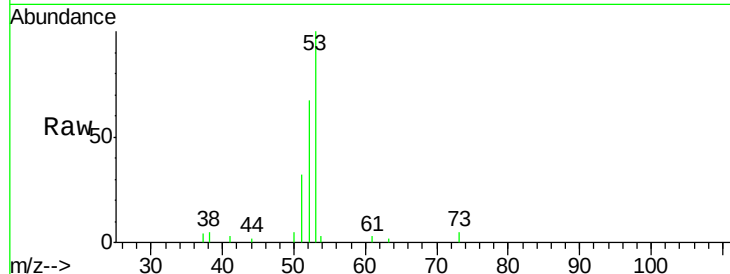
ClientSampled :

MDL3

Tot Ion:	53	Resp:	9315
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.7	97.1
51	34.1	26.7	40.1

Manual Integrations
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#16

Acetone

Concen: 30.818 ug/l

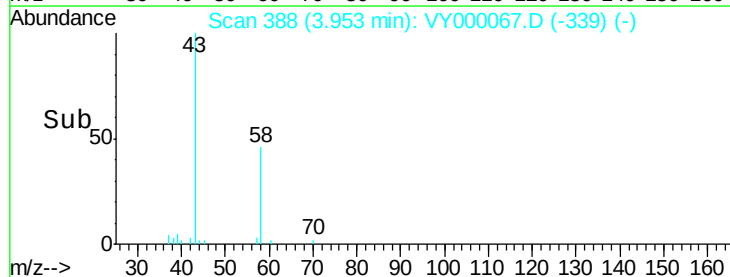
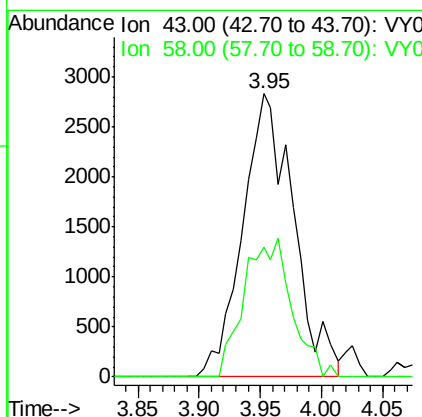
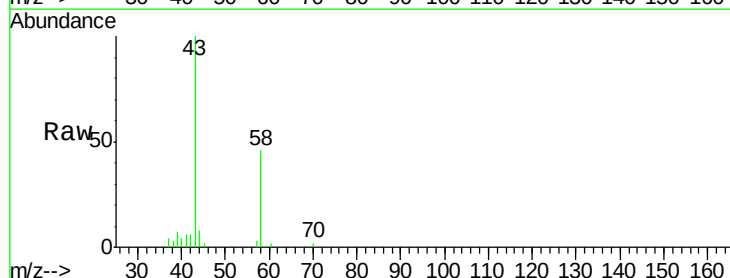
RT: 3.95 min Scan# 388

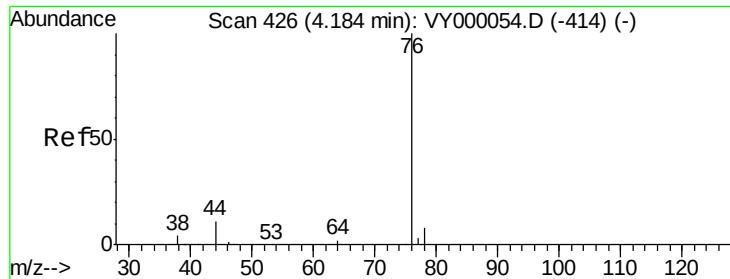
Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	43	Resp:	8162
Ion	Ratio	Lower	Upper
43	100		
58	46.0	34.5	51.7





#17

Carbon Disulfide

Concen: 5.800 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 76 Resp: 10893

Ion Ratio Lower Upper

76 100

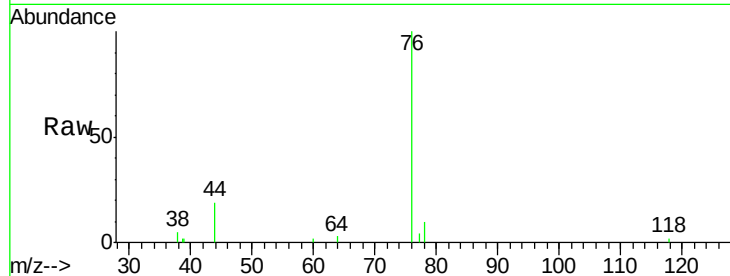
78 10.4 6.6 9.8#

Manual Integrations

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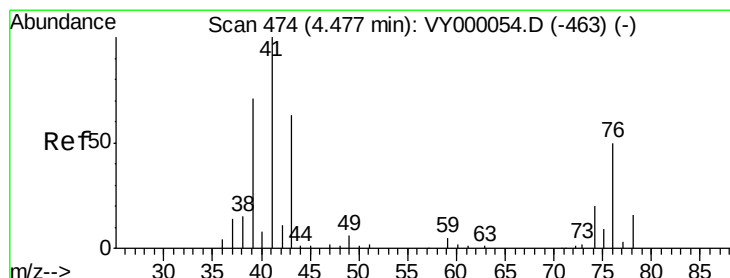
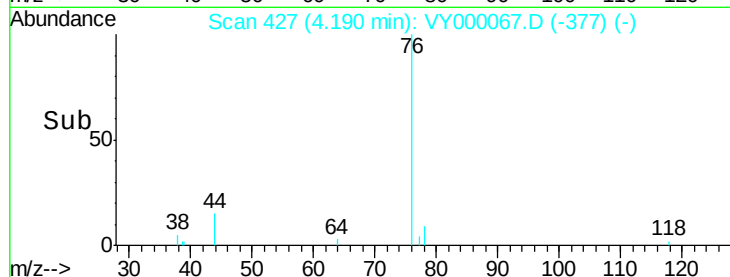
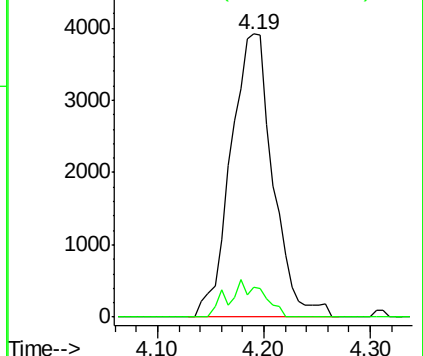
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 5.363 ug/l

RT: 4.49 min Scan# 476

Delta R.T. 0.01 min

Lab File: VY000067.D

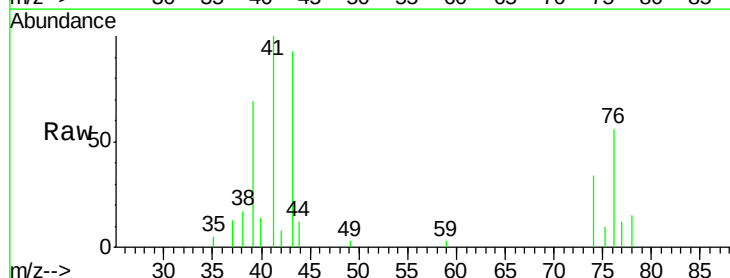
Acq: 18 Sep 2019 17:49

Tgt Ion: 43 Resp: 4745

Ion Ratio Lower Upper

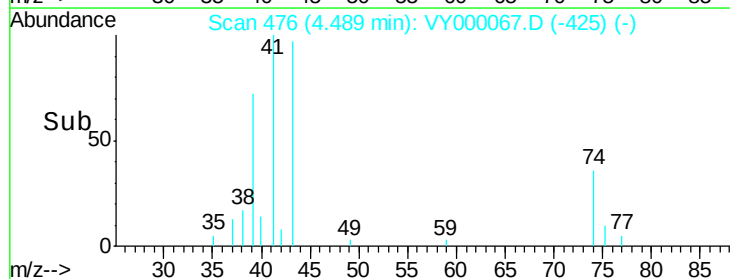
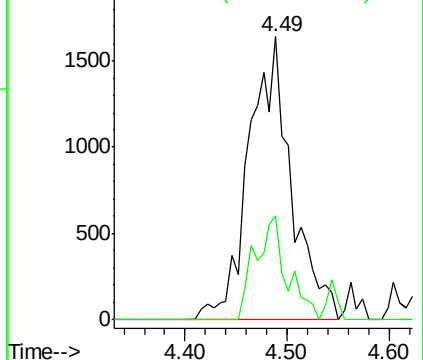
43 100

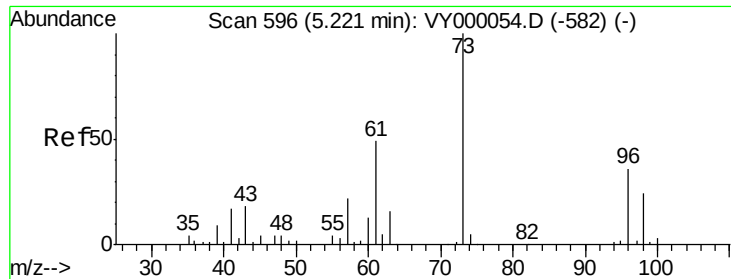
74 27.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





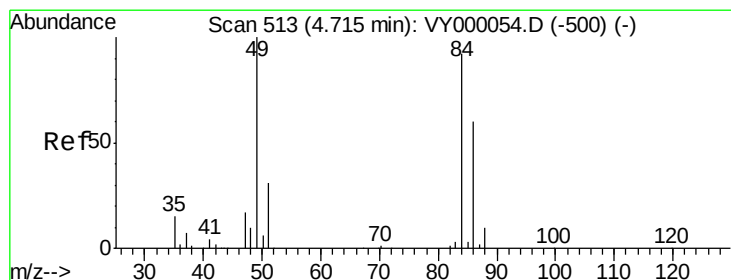
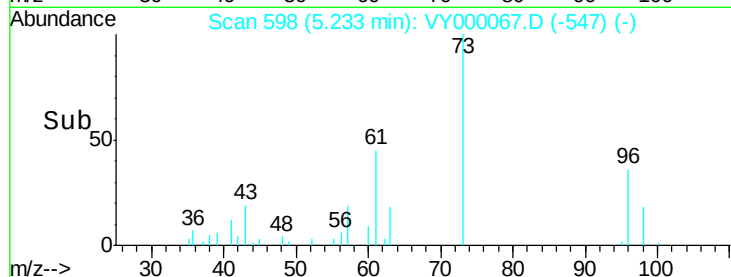
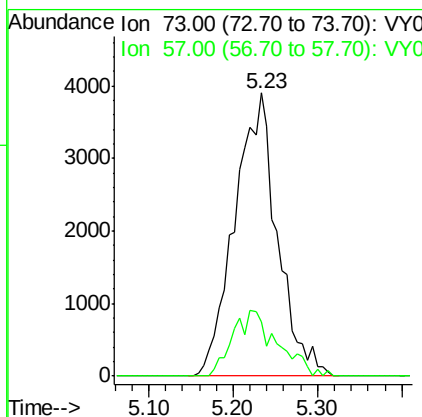
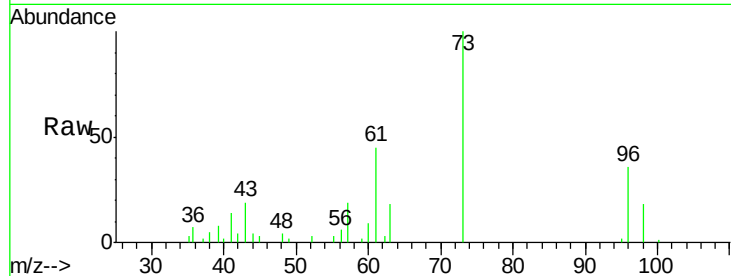
#19
Methyl tert-butyl Ether
Concen: 4.459 ug/l
RT: 5.23 min Scan# 598
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 73 Resp: 13443
Ion Ratio Lower Upper
73 100
57 19.1 17.5 26.3

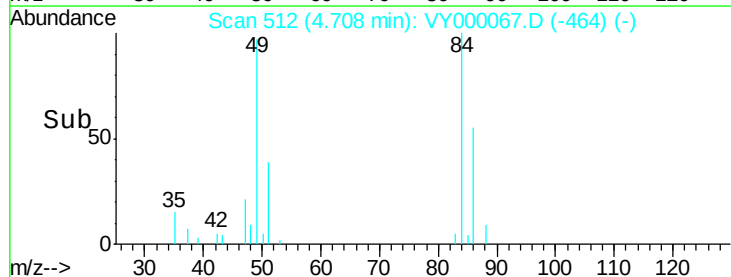
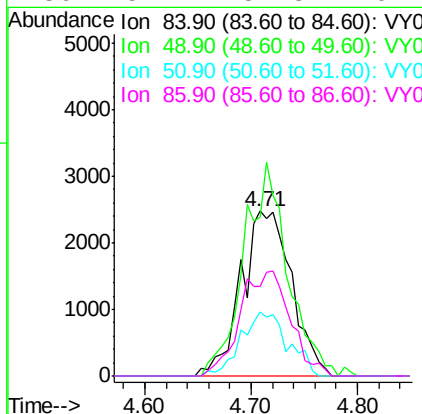
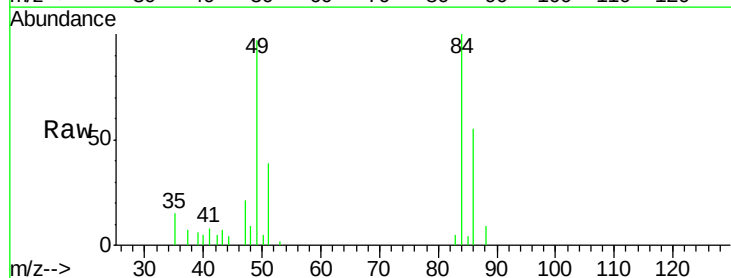
Manual Integrations
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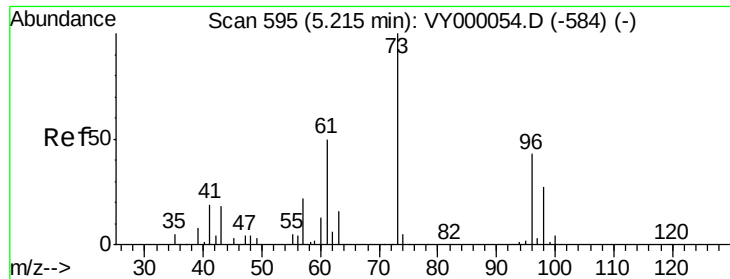
MMDadoda
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#20
Methylene Chloride
Concen: 6.558 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion: 84 Resp: 8170
Ion Ratio Lower Upper
84 100
49 96.7 87.4 131.0
51 38.6 27.2 40.8
86 54.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 5.059 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

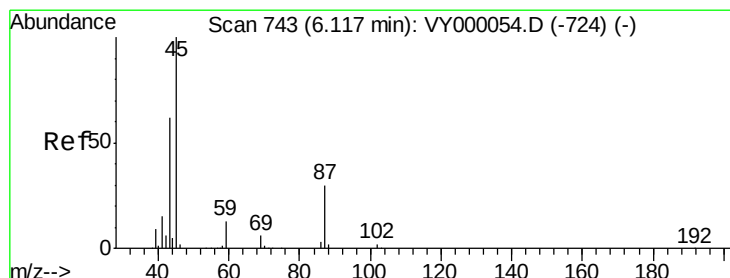
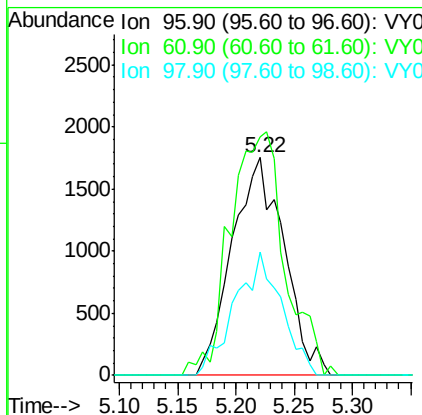
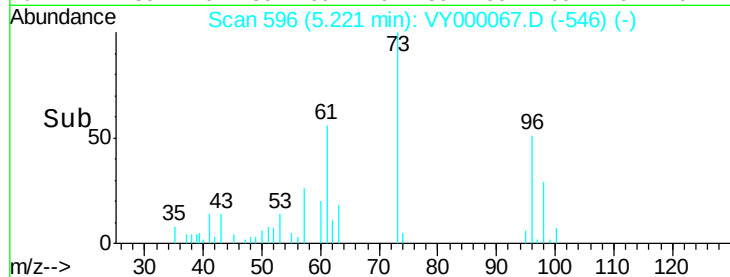
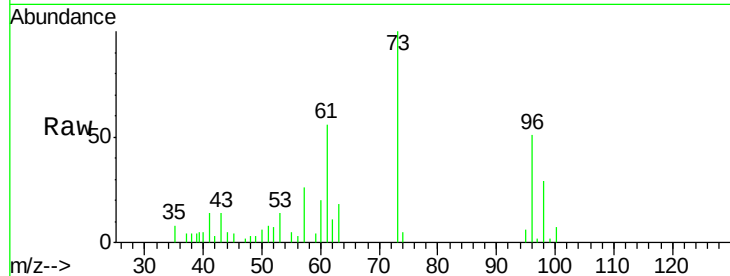
ClientSampled :

MDL3

Tot Ion:	96	Resp:	5425
Ion	Ratio	Lower	Upper
96	100		
61	109.4	94.0	141.0
98	56.9	50.3	75.5

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#22

Diisopropyl ether

Concen: 4.624 ug/l

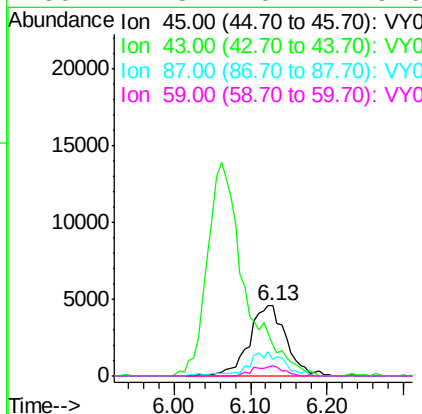
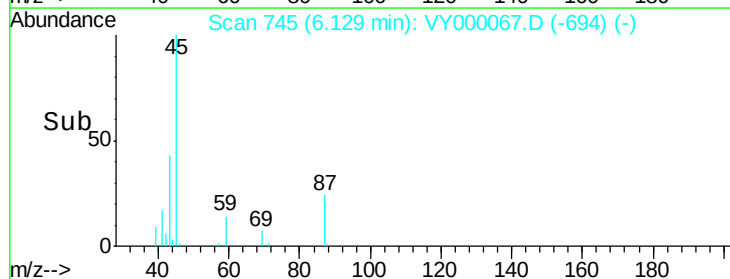
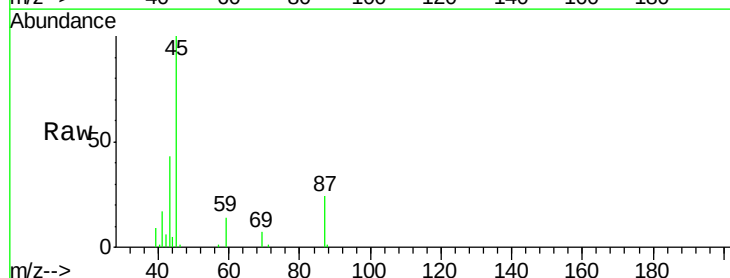
RT: 6.13 min Scan# 745

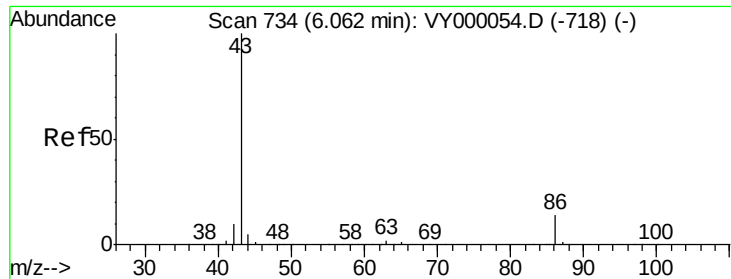
Delta R.T. 0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	45	Resp:	15404
Ion	Ratio	Lower	Upper
45	100		
43	43.4	49.9	74.9#
87	24.3	25.0	37.4#
59	14.3	10.4	15.6





#23

Vinyl Acetate

Concen: 21.092 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 43 Resp: 47025

Ion Ratio Lower Upper

43 100

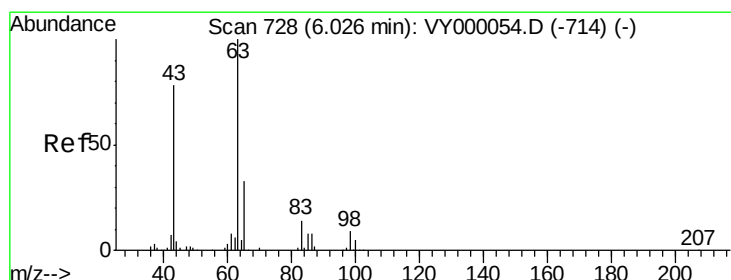
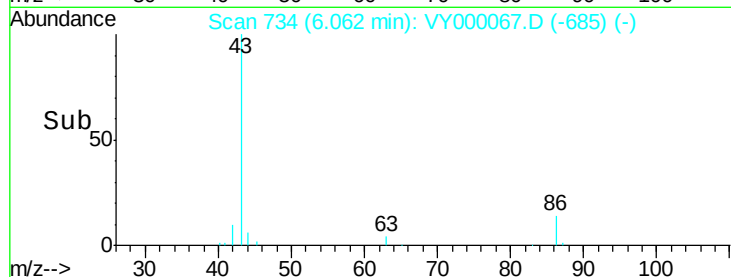
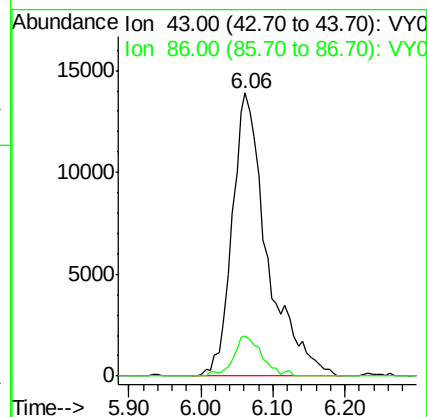
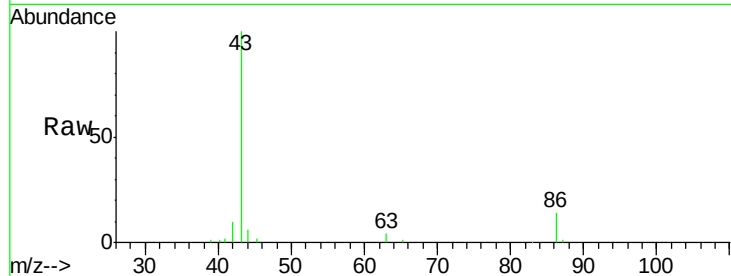
86 14.2 11.3 16.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.750 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

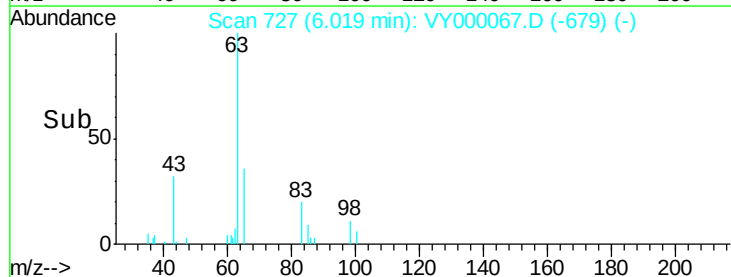
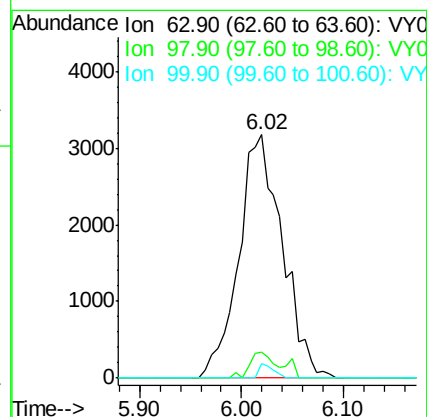
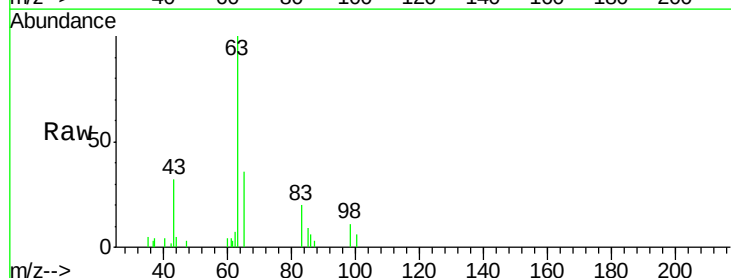
Tgt Ion: 63 Resp: 9365

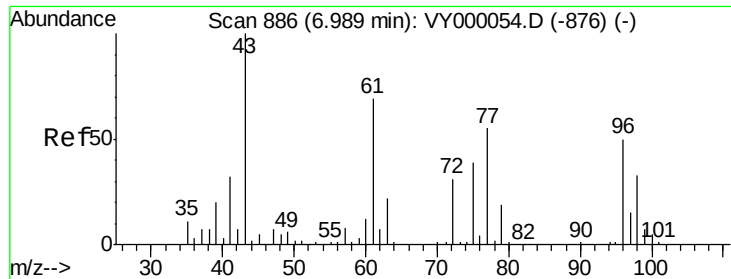
Ion Ratio Lower Upper

63 100

98 10.6 4.5 13.5

100 6.1 2.5 7.5





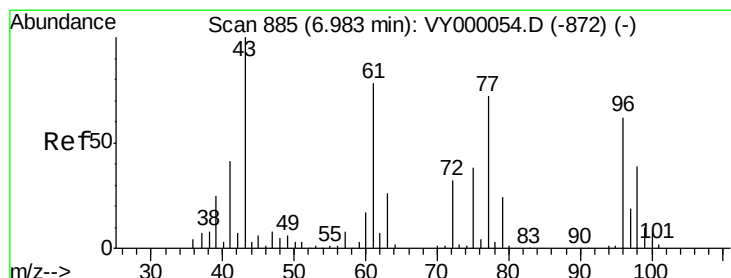
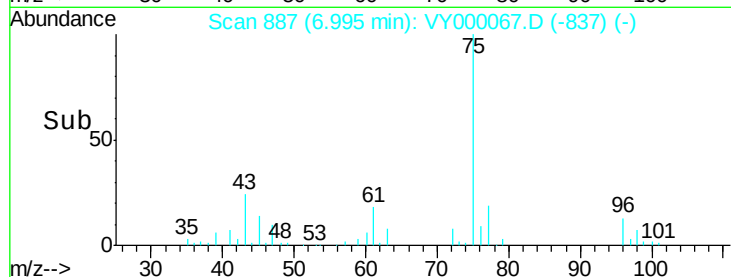
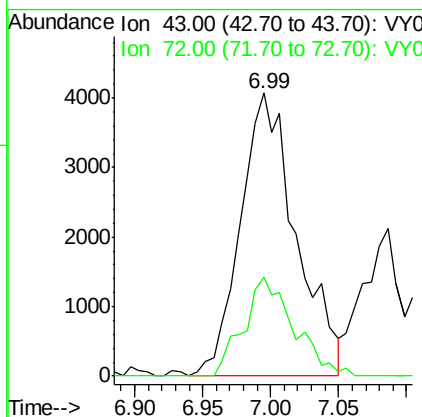
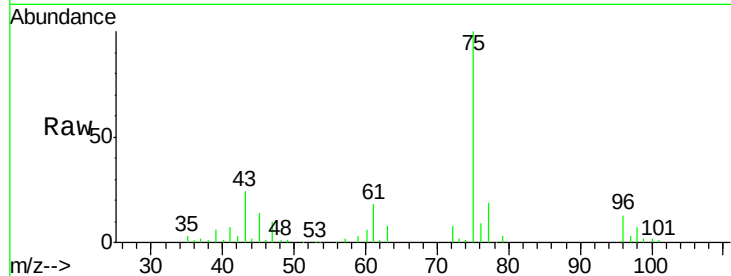
#25
2-Butanone
Concen: 24.296 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion: 43 Resp: 11655
Ion Ratio Lower Upper
43 100
72 35.1 24.7 37.1

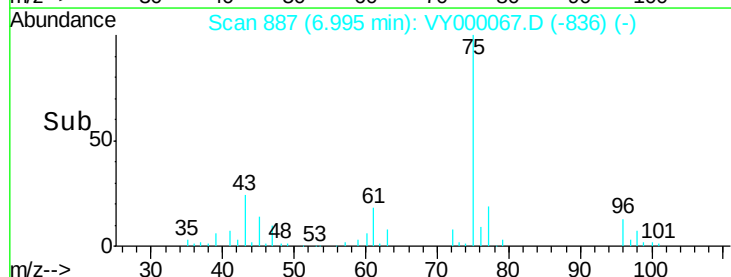
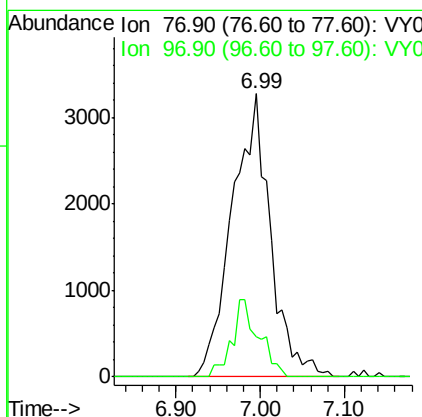
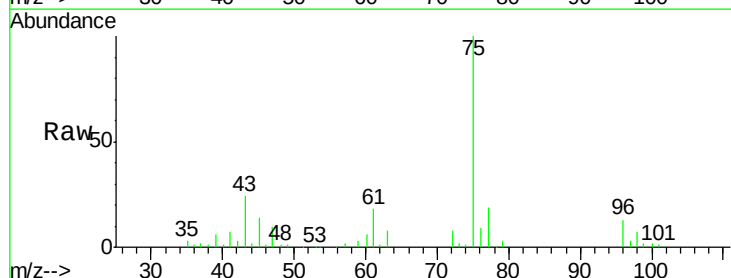
Manual Integrations
APPROVED

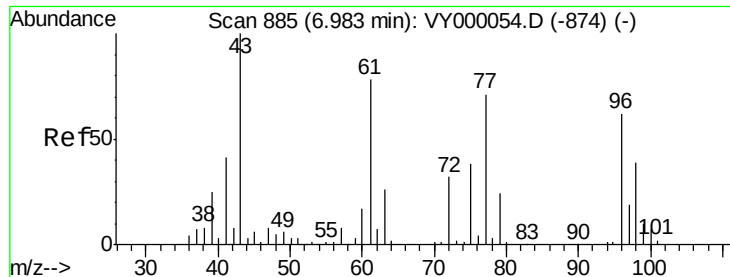
MMDadoda
9/20/2019 12:39:35 AM



#26
2,2-Dichloropropane
Concen: 5.420 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion: 77 Resp: 10085
Ion Ratio Lower Upper
77 100
97 19.2 12.5 37.5





#27

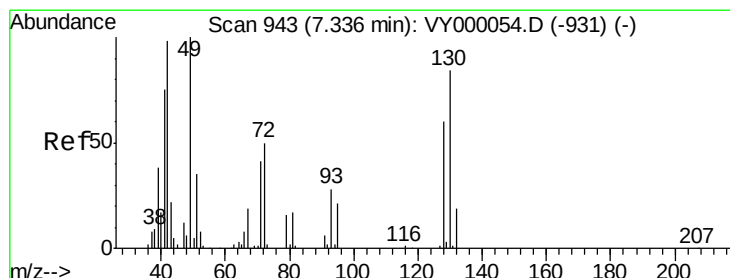
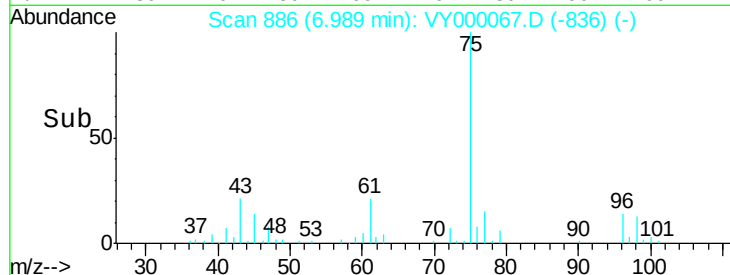
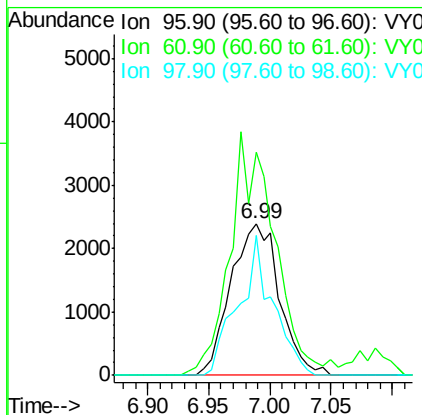
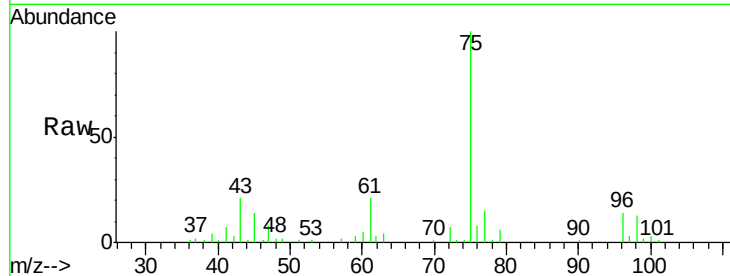
cis-1,2-Dichloroethene
Concen: 4.874 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	263.0
98	65.9	0.0	130.2

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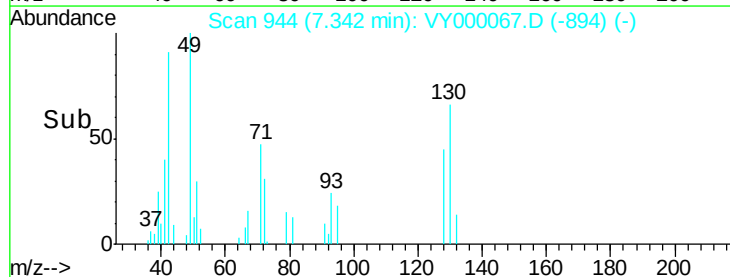
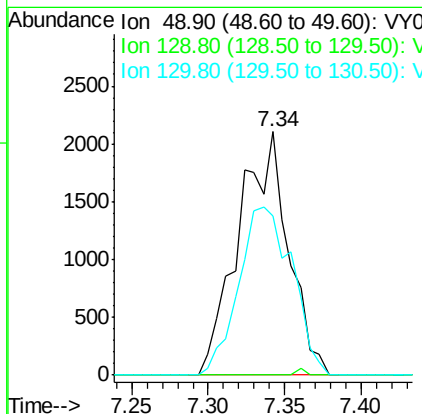
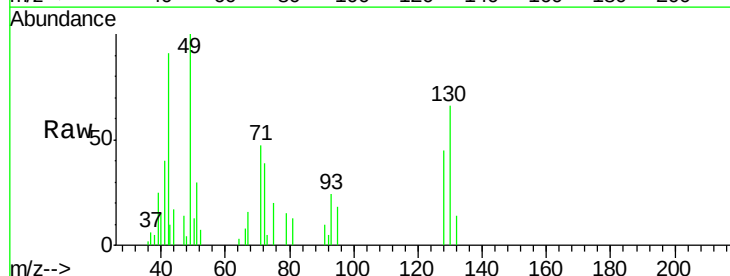
MMDadoda
9/20/2019 12:39:35 AM

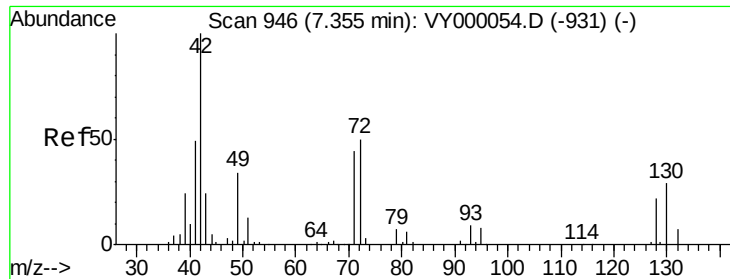


#28

Bromochloromethane
Concen: 5.233 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	73.6	66.2	99.4





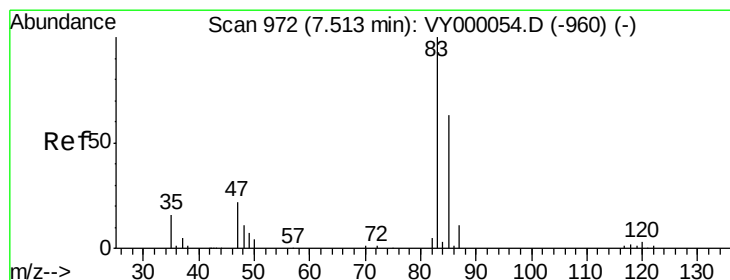
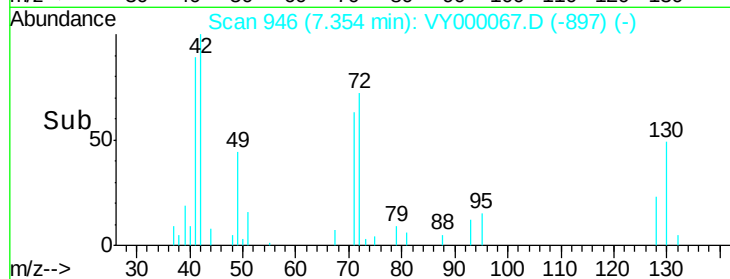
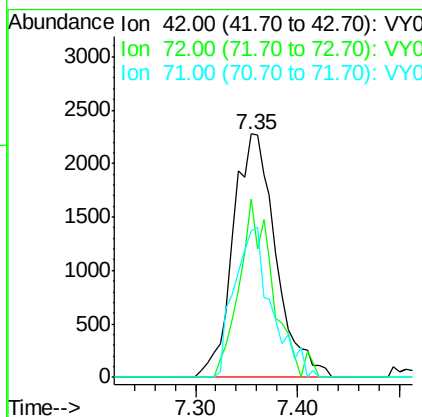
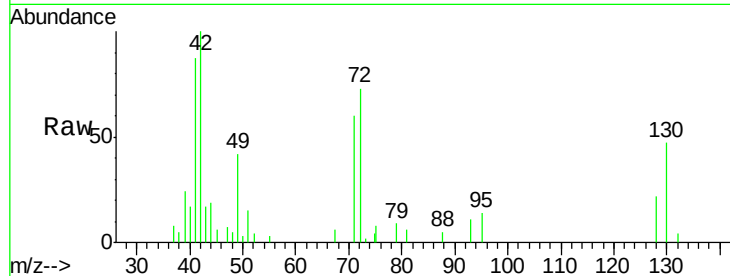
#29
Tetrahydrofuran
Concen: 23.002 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.8	41.8	62.6
71	53.3	38.6	58.0

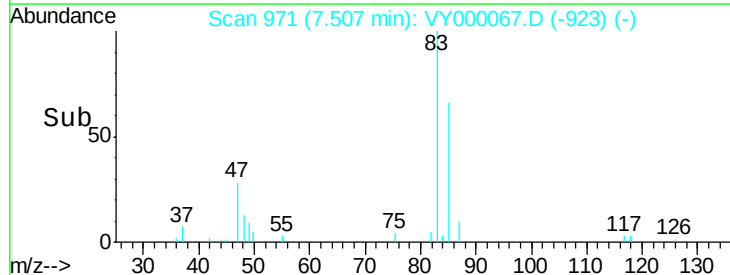
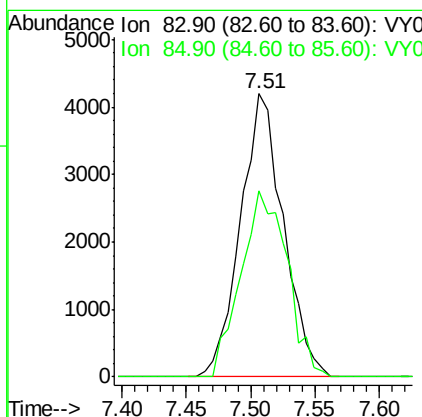
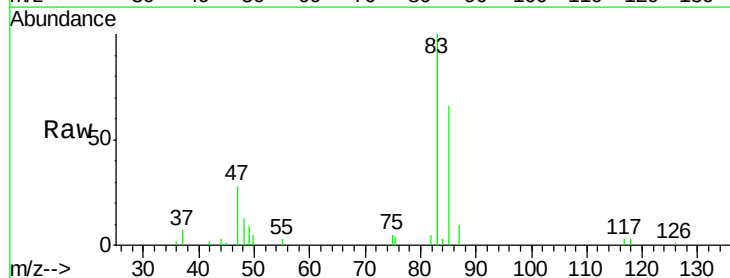
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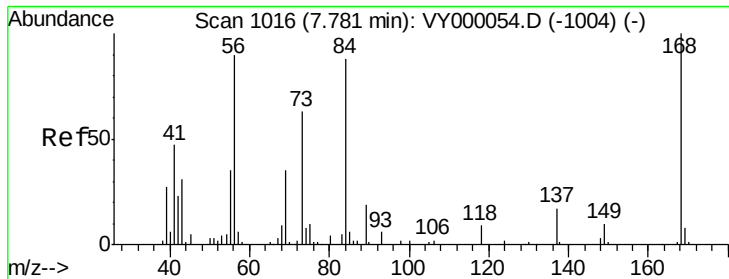
MMDadoda
9/20/2019 12:39:35 AM



#30
Chloroform
Concen: 4.752 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	76.0





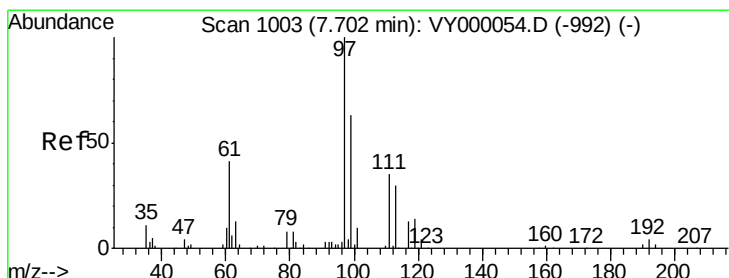
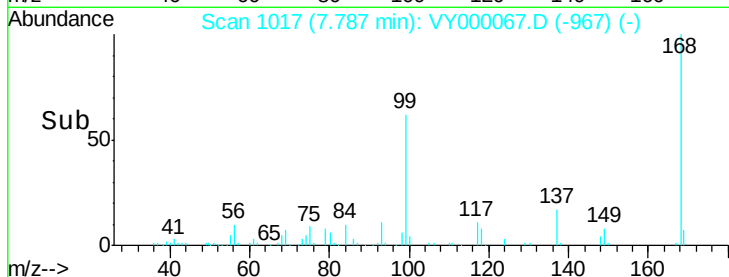
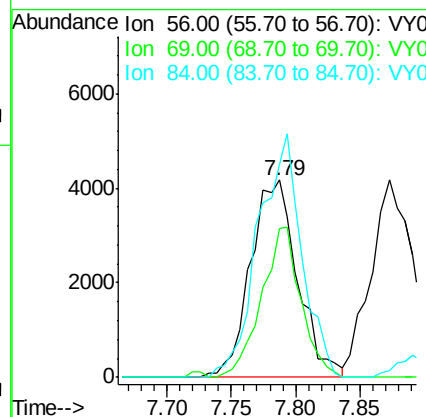
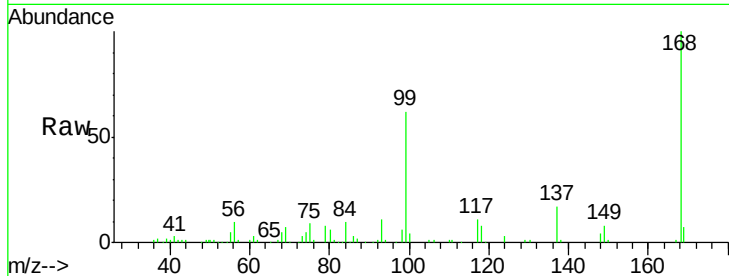
#31
Cyclohexane
Concen: 6.579 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
56	100		
69	75.8	30.9	46.3#
84	108.4	78.5	117.7

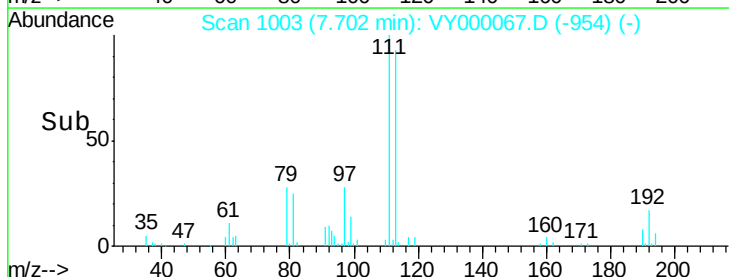
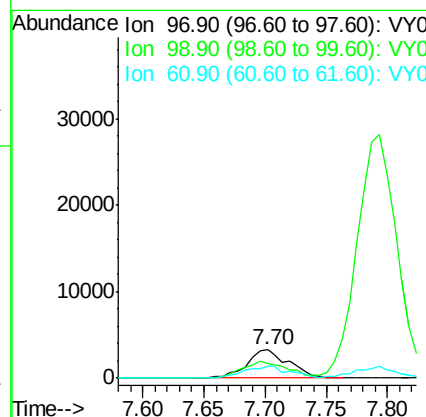
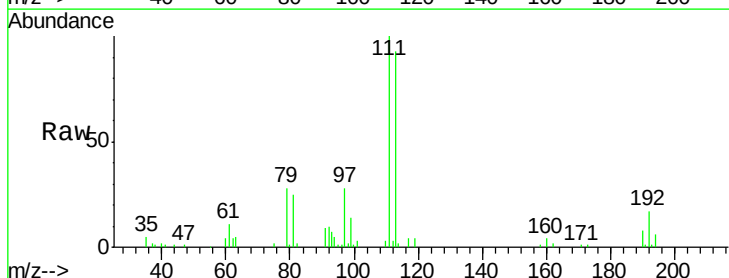
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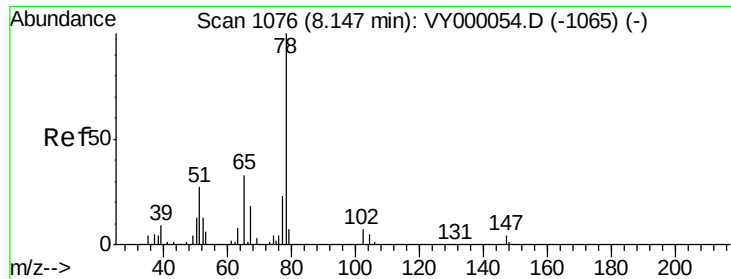
MMDadoda
9/20/2019 12:39:35 AM



#32
1,1,1-Trichloroethane
Concen: 4.694 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	45.9	34.3	51.5





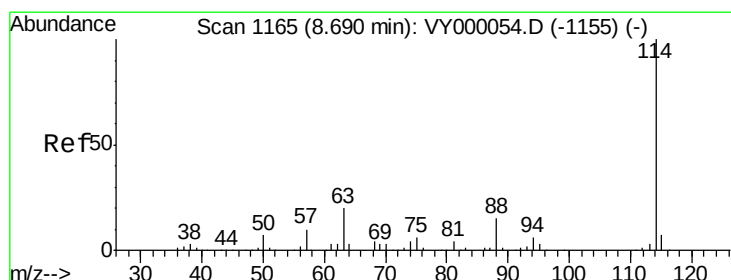
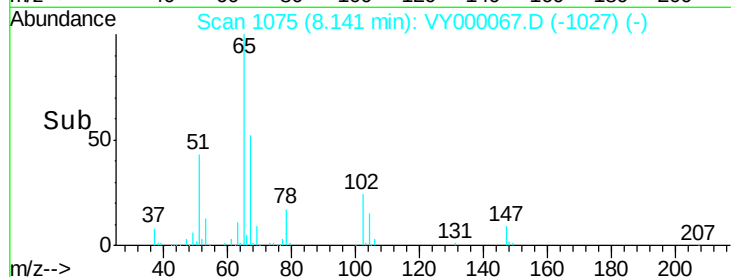
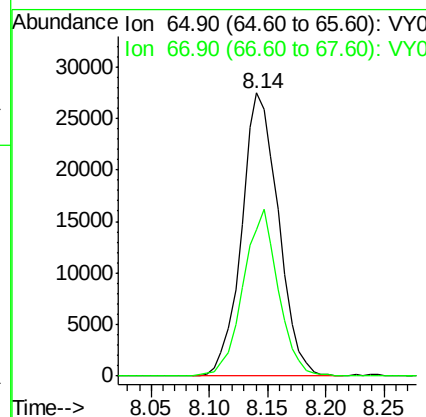
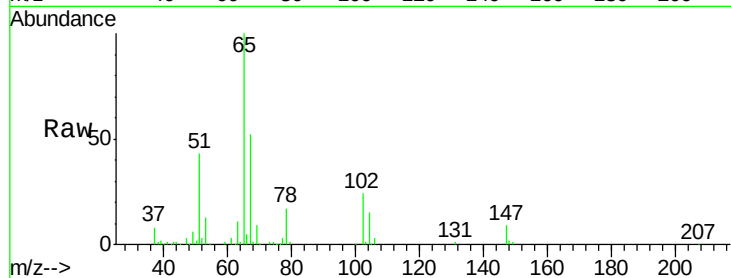
#33
 1,2-Dichloroethane-d4
 Concen: 53.147 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 65 Resp: 60454
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 111.0

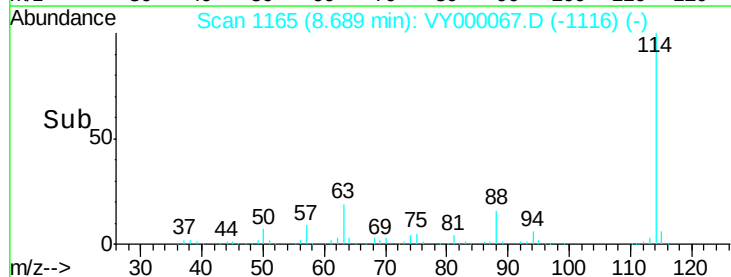
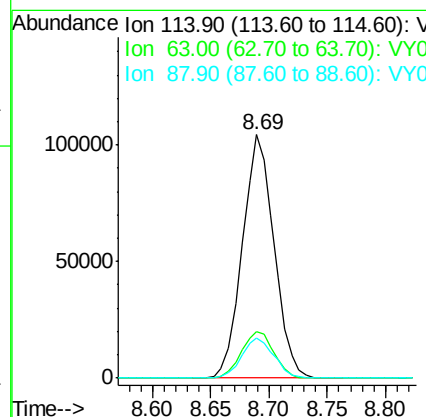
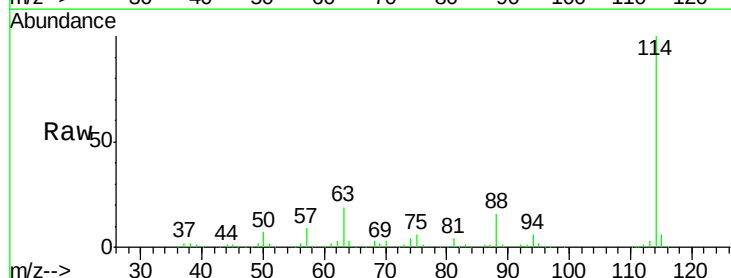
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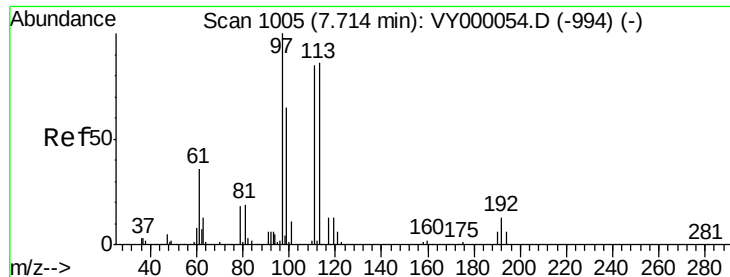
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion: 114 Resp: 197690
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 16.4 0.0 30.2





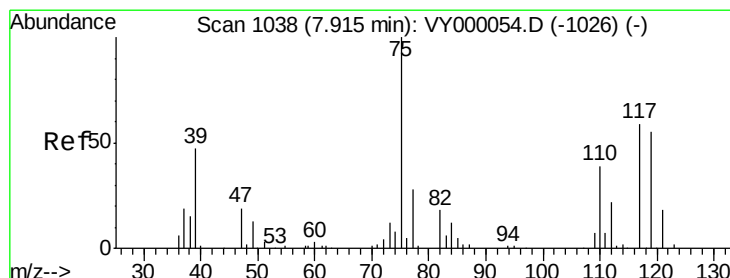
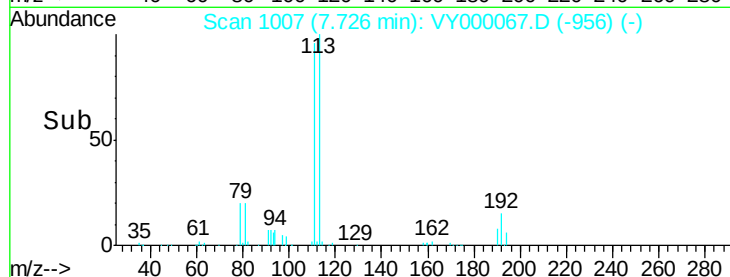
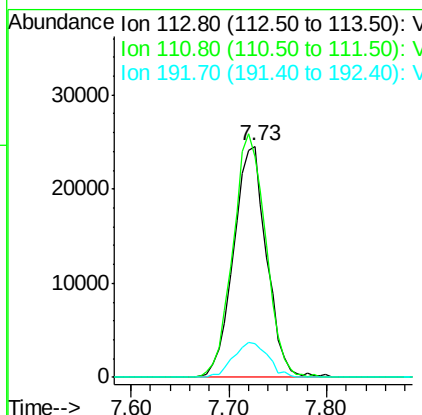
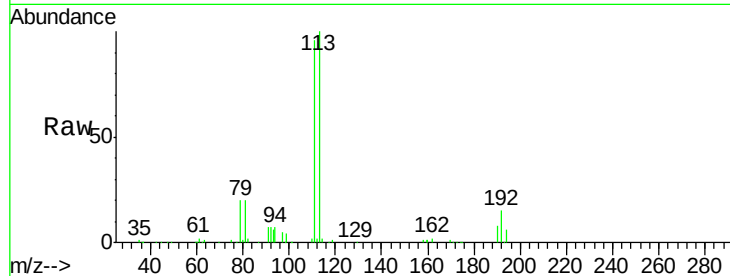
#35
 Dibromofluoromethane
 Concen: 47.980 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.7	122.5
192	15.9	13.4	20.2

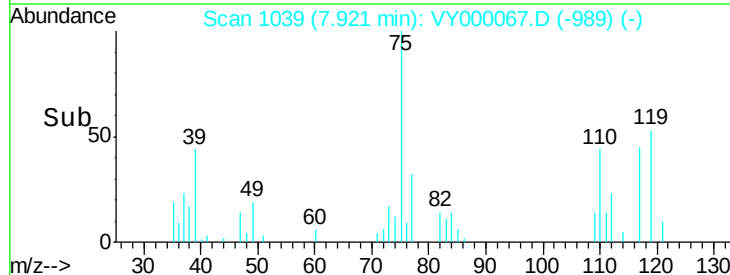
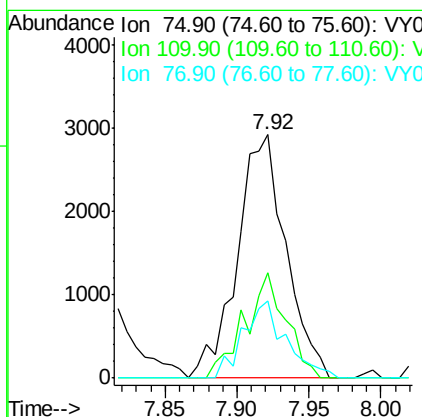
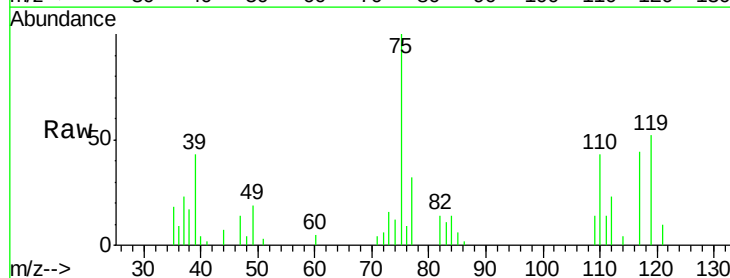
Manual Integrations
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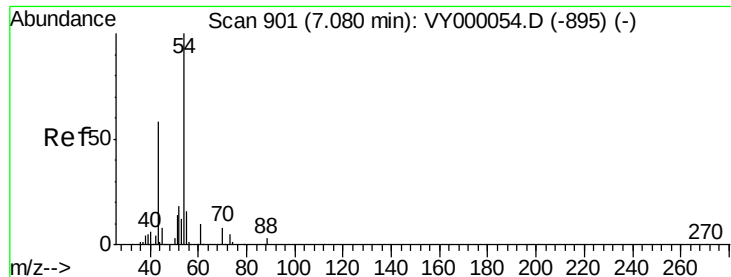
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#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.6	58.7
77	27.9	24.3	36.5





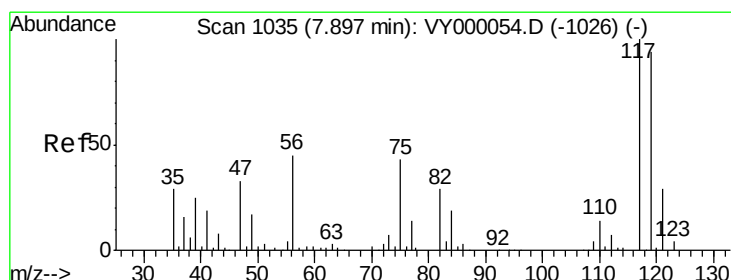
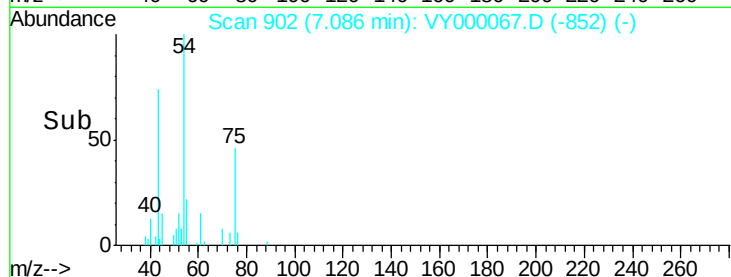
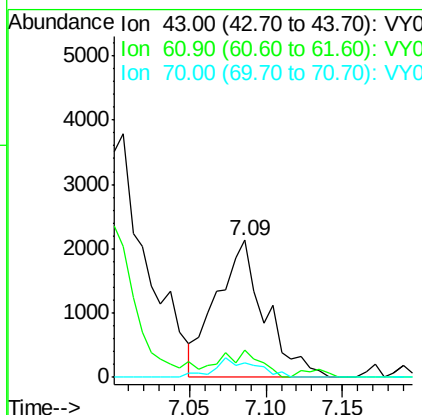
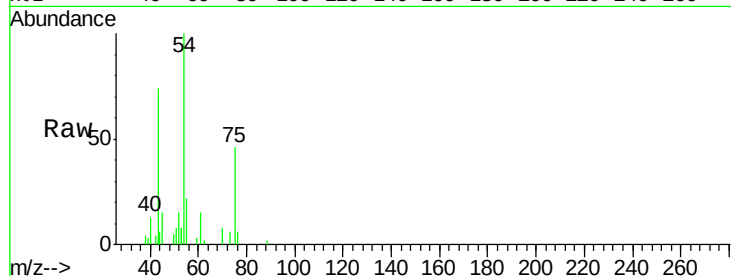
#37
Ethyl Acetate
Concen: 4.762 ug/l
RT: 7.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	43	Resp	4692
Ion Ratio	100	Lower	Upper
43	100		
61	16.4	14.1	21.1
70	11.7	10.6	15.8

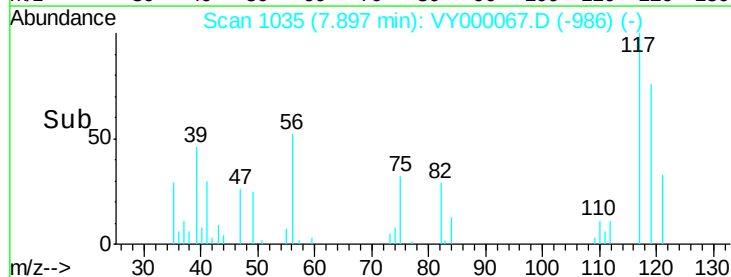
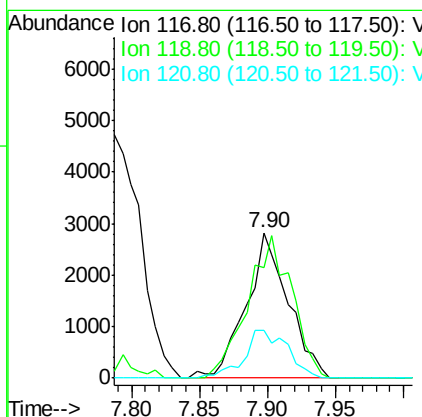
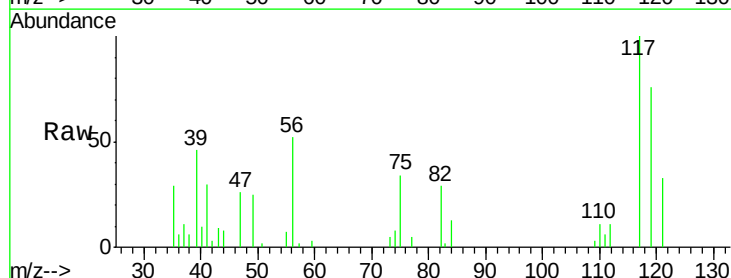
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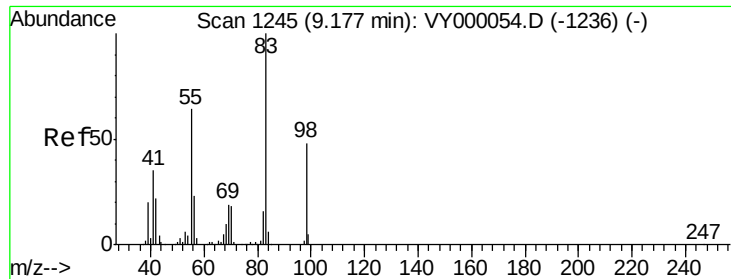
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#38
Carbon Tetrachloride
Concen: 4.370 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	117	Resp	6097
Ion Ratio	100	Lower	Upper
117	100		
119	76.1	75.0	112.6
121	32.8	22.8	34.2





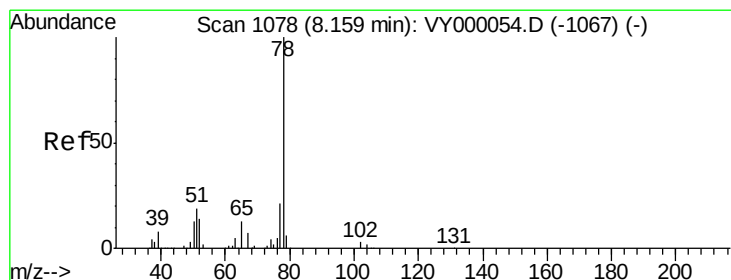
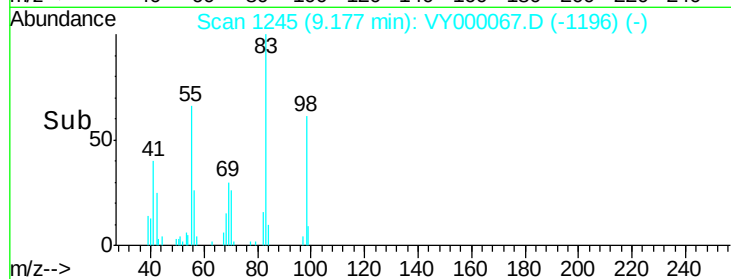
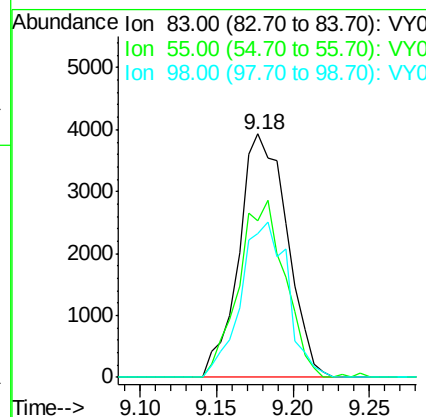
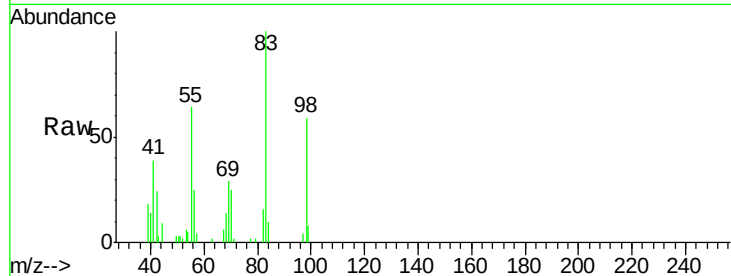
#39
Methylvlcyclohexane
Concen: 4.753 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.3	51.0	76.6
98	58.9	38.5	57.7#

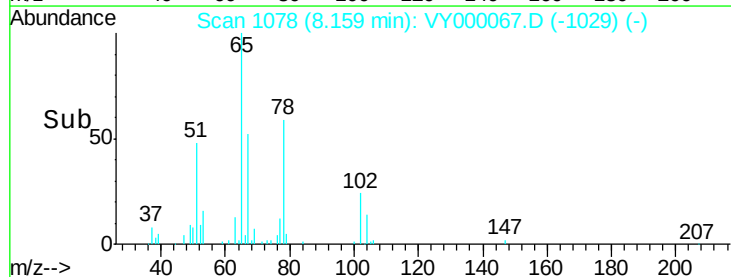
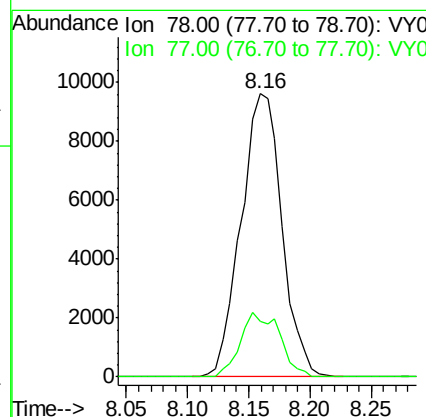
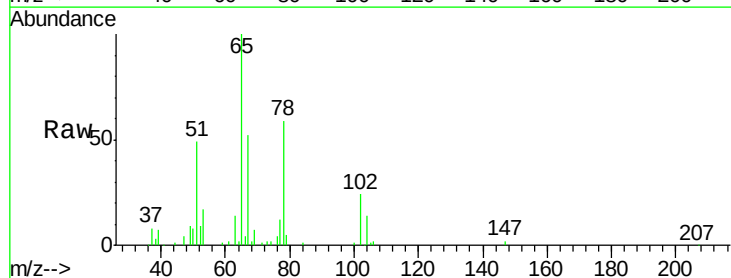
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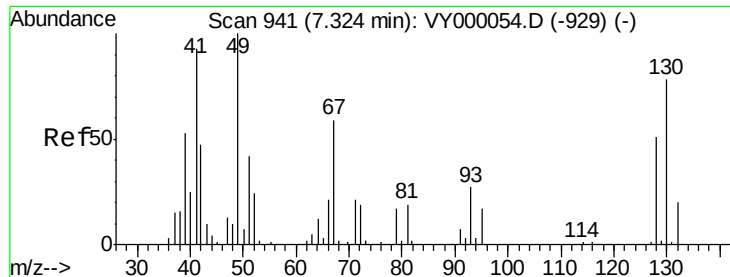
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#40
Benzene
Concen: 4.579 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.5	16.8	25.2





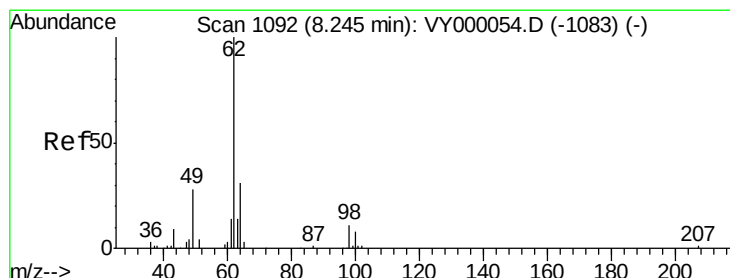
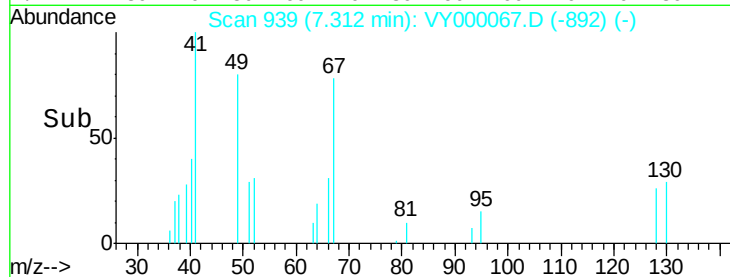
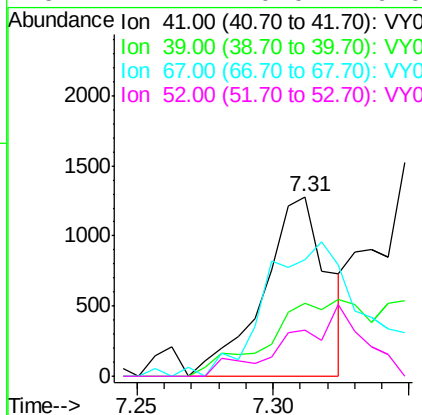
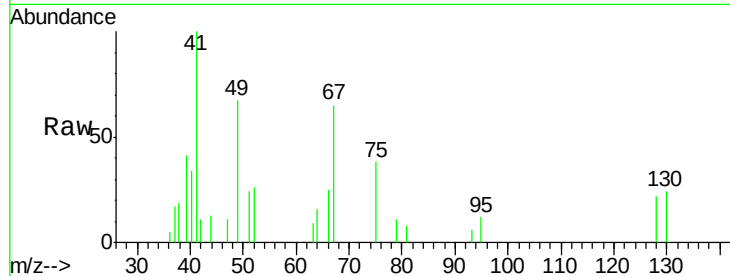
#41
Methacrylonitrile
Concen: 3.531 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	91.8	137.6#
67	115.5	0.0	0.0#
52	44.4	0.0	0.0#

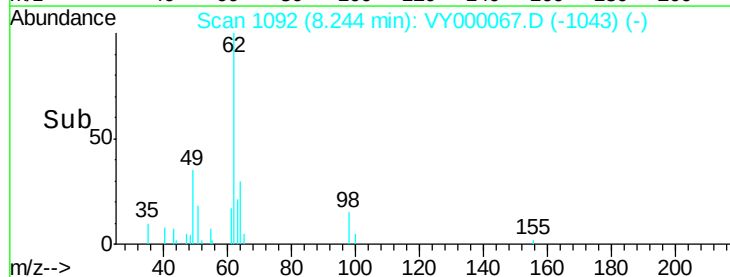
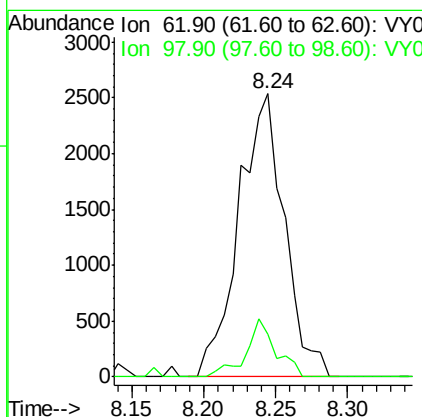
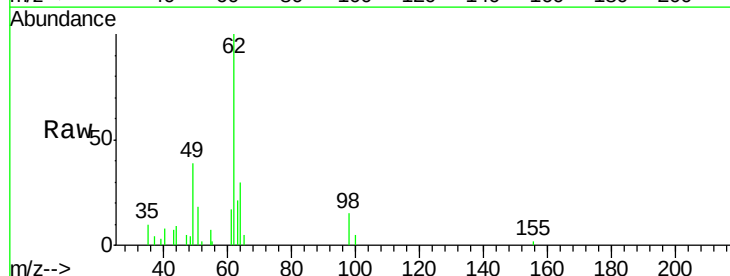
Manual Integrations
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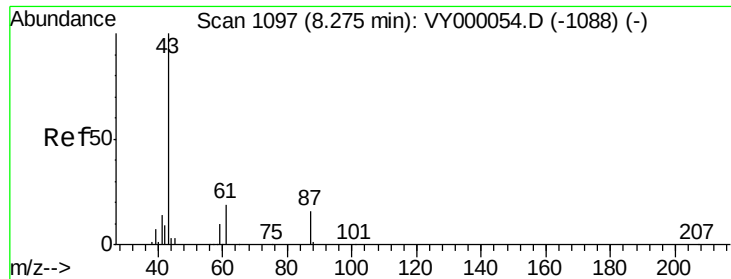
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.311 ug/l
RT: 8.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	23.6





#43

Isopropyl Acetate

Concen: 4.401 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

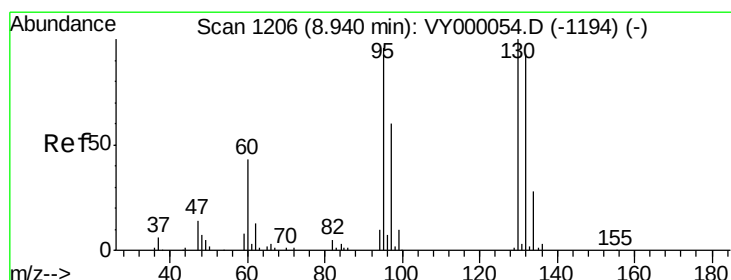
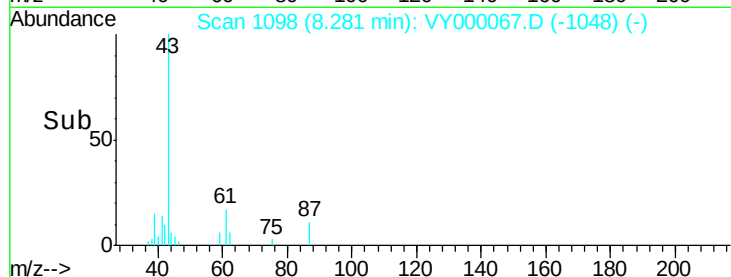
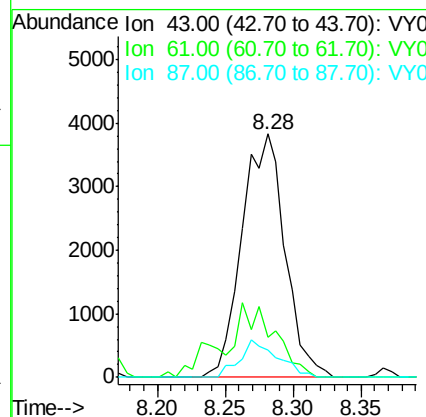
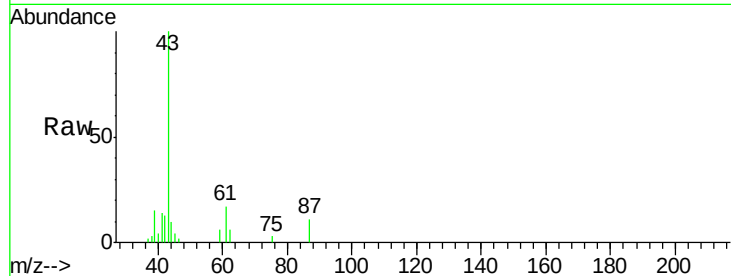
ClientSampleId :

MDL3

Tot Ion:	43	Resp:	8481
Ion	Ratio	Lower	Upper
43	100		
61	26.0	25.0	37.6
87	13.5	12.4	18.6

Manual Integrations
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9/20/2019 12:39:35 AM



#44

Trichloroethene

Concen: 4.186 ug/l

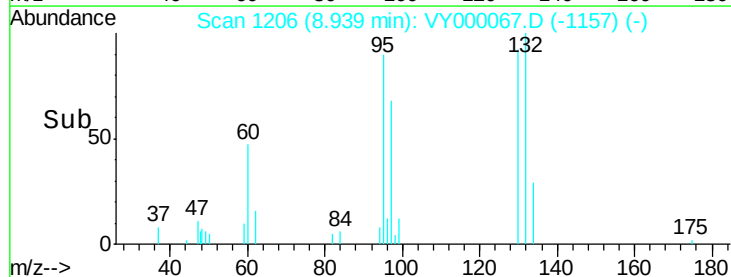
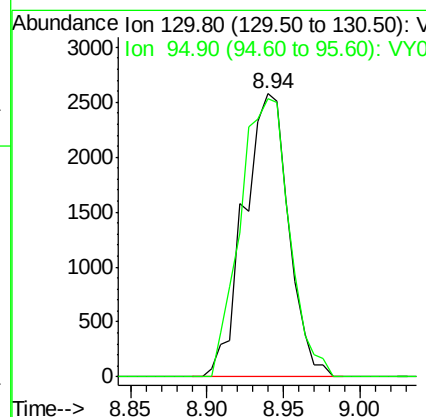
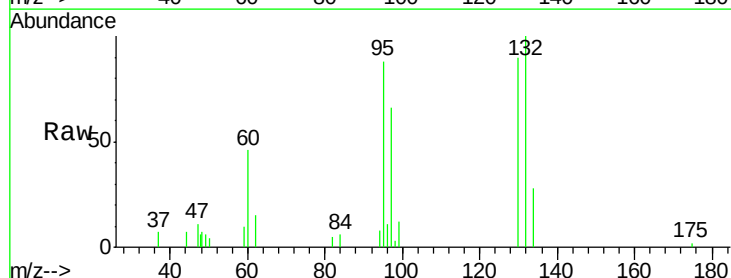
RT: 8.94 min Scan# 1206

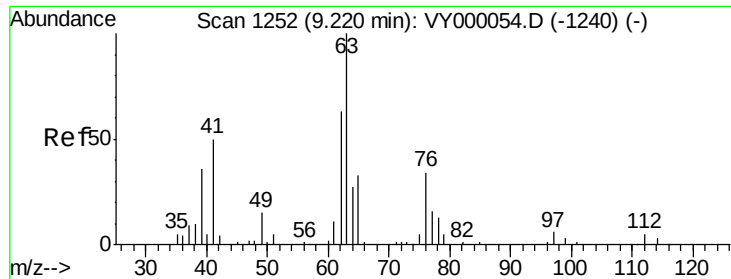
Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	130	Resp:	5221
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	192.0





#45

1,2-Dichloropropane

Concen: 4.981 ug/l

RT: 9.22 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 63 Resp: 6299

Ion Ratio Lower Upper

63 100

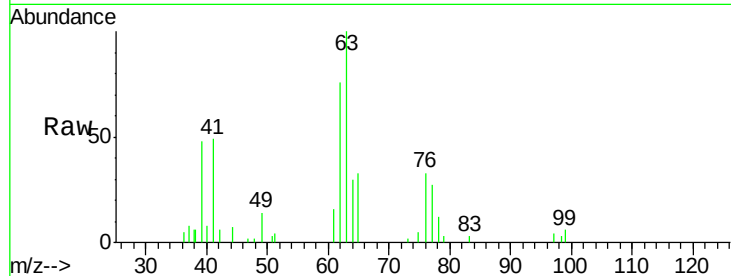
65 33.1 26.2 39.4

Manual Integrations

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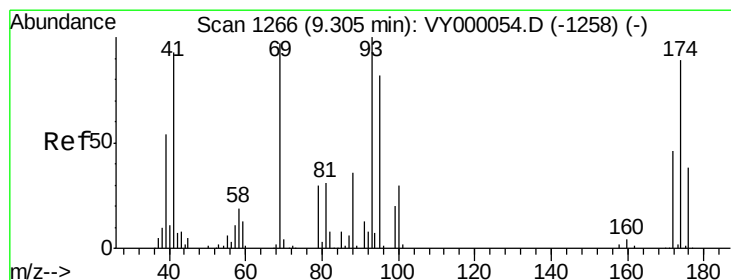
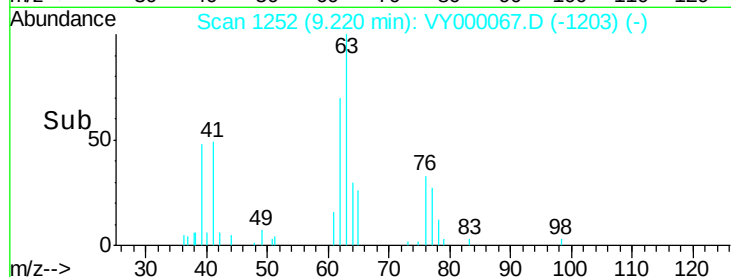
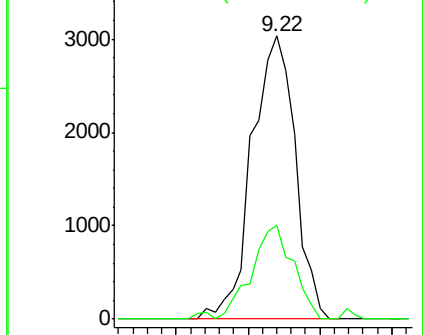
MMDadoda

9/20/2019 12:39:35 AM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 4.501 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

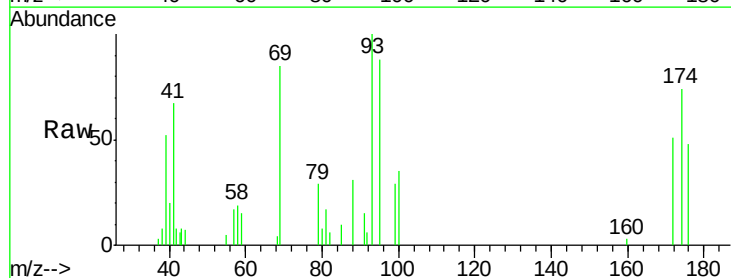
Tgt Ion: 93 Resp: 3109

Ion Ratio Lower Upper

93 100

95 90.4 68.1 102.1

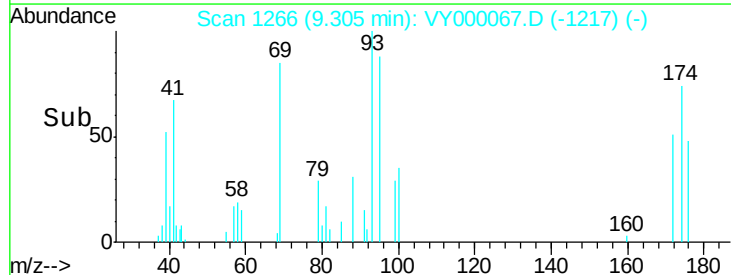
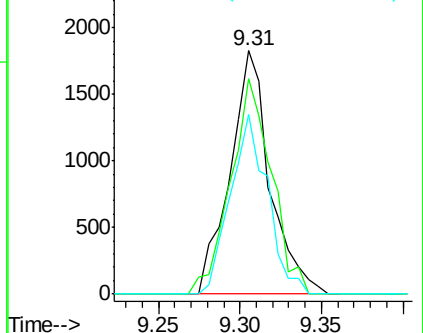
174 68.9 67.8 101.6

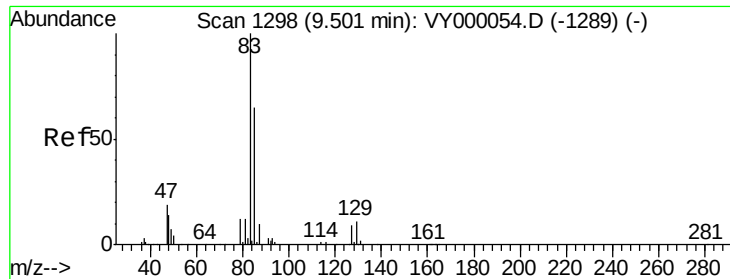


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 4.633 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

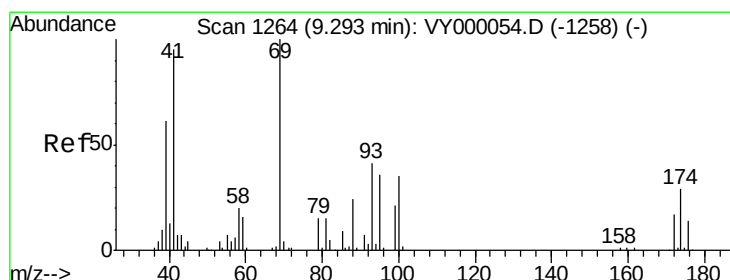
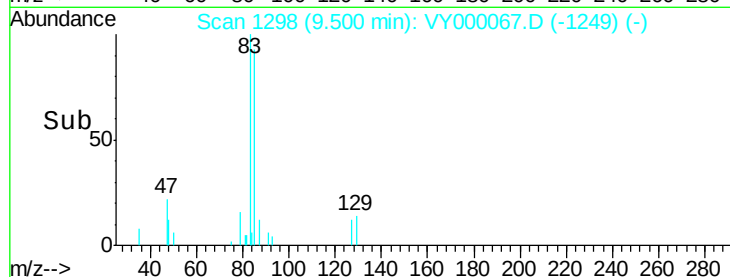
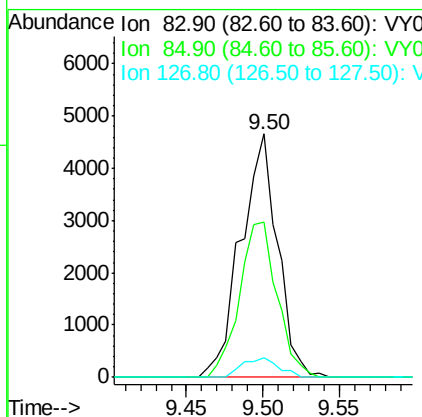
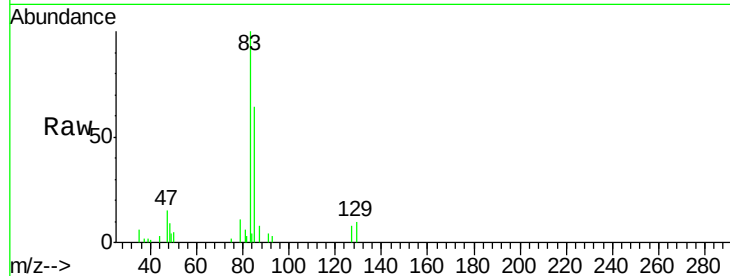
ClientSampled :

MDL3

Tot Ion:	83	Resp:	7766
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5
127	8.1	6.8	10.2

Manual Integrations
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MMDadoda
9/20/2019 12:39:35 AM



#48

Methyl methacrylate

Concen: 4.832 ug/l

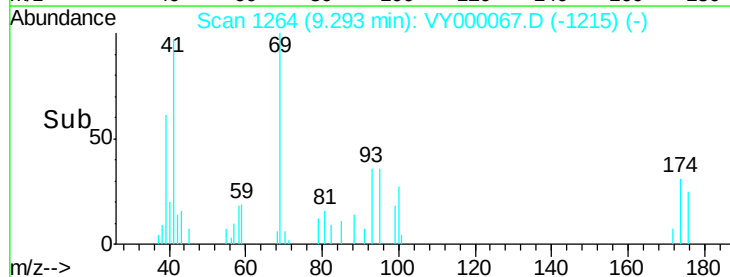
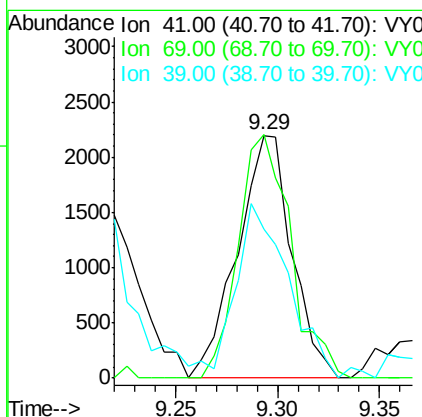
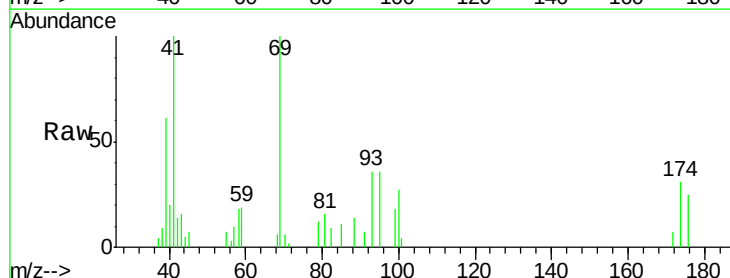
RT: 9.29 min Scan# 1264

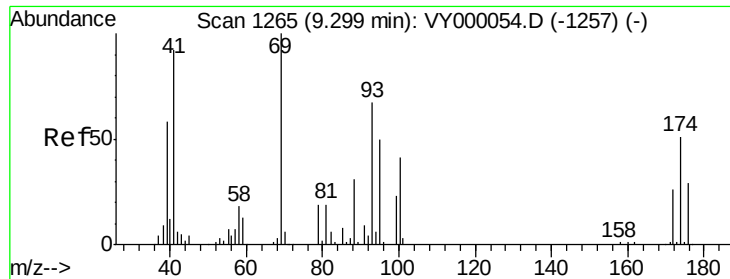
Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	41	Resp:	4095
Ion	Ratio	Lower	Upper
41	100		
69	96.2	78.1	117.1
39	71.0	49.4	74.0





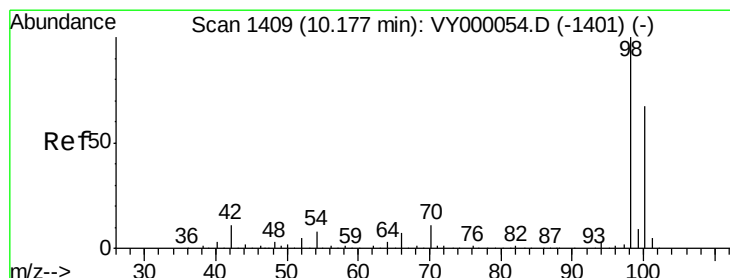
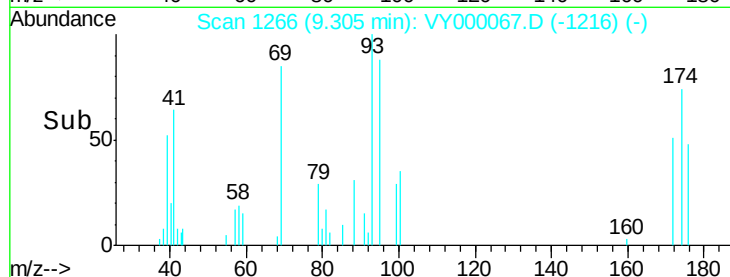
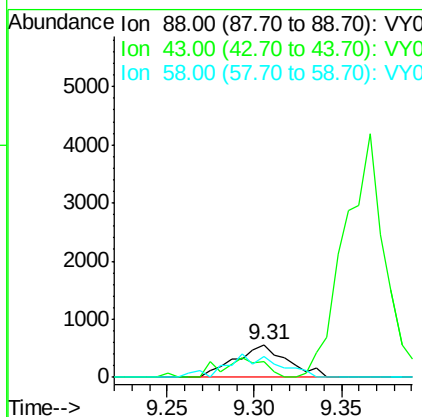
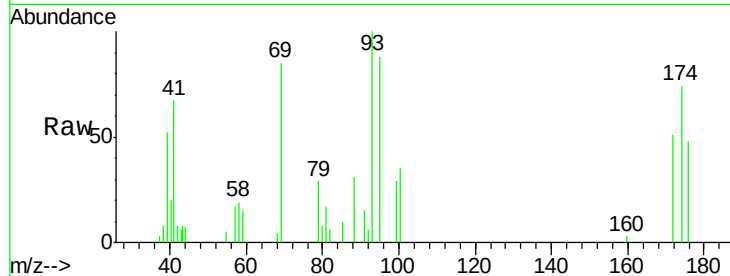
#49
1,4-Dioxane
Concen: 85.518 ug/l
RT: 9.31 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	88	Resp	1147
Ion	Ratio	Lower	Upper
88	100		
43	50.4	18.7	28.1#
58	72.1	53.0	79.6

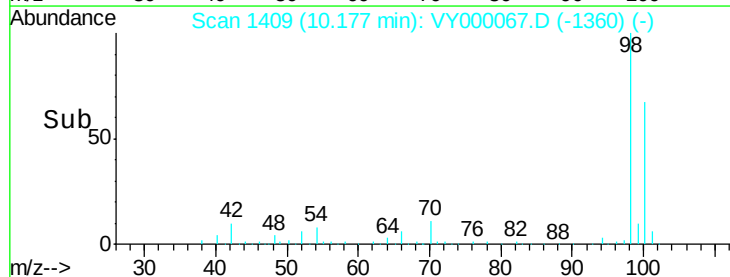
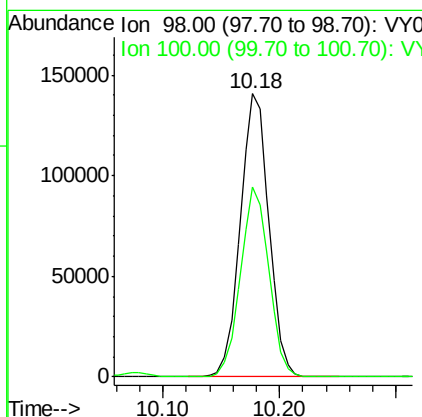
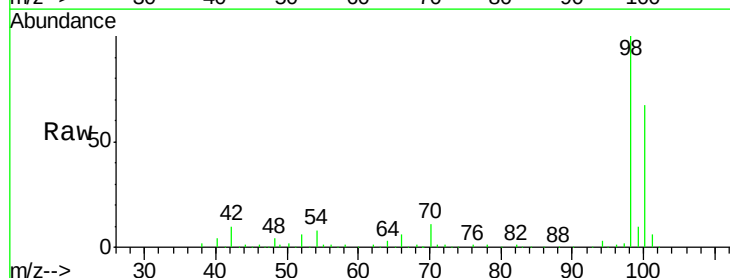
Manual Integrations
APPROVED

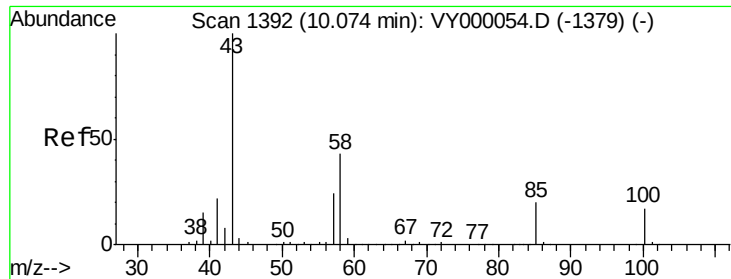
MMDadoda
9/20/2019 12:39:35 AM



#50
Toluene-d8
Concen: 51.235 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	98	Resp	240870
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





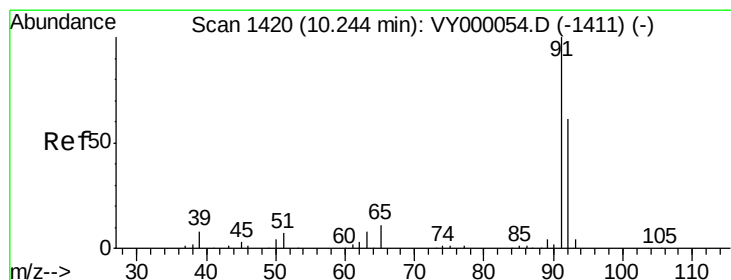
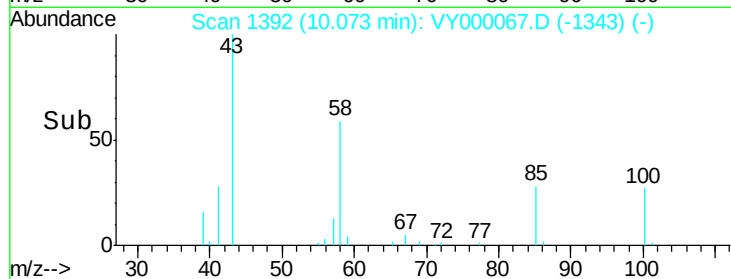
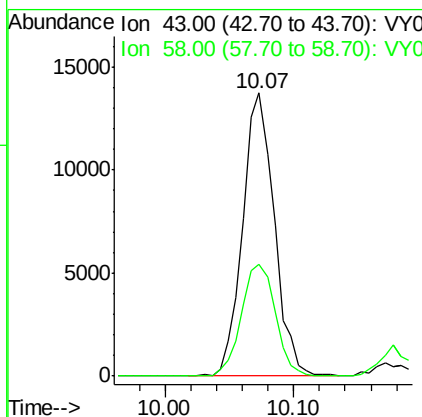
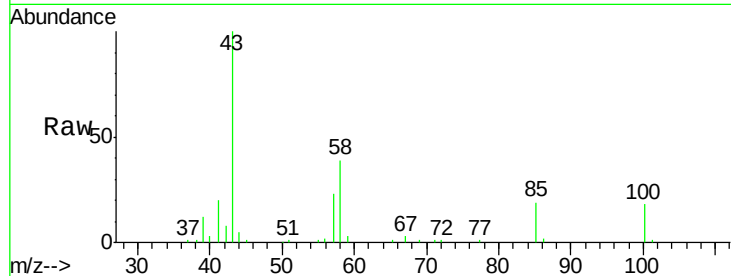
#51
4-Methyl-2-Pentanone
Concen: 22.092 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.2	51.2

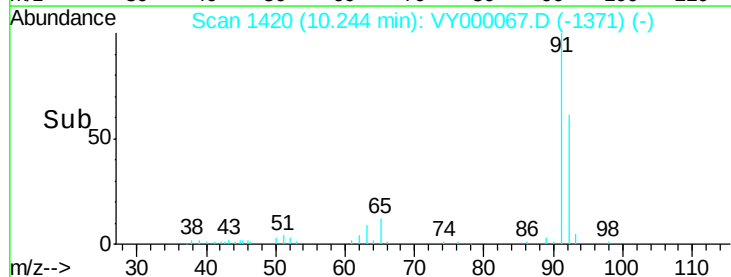
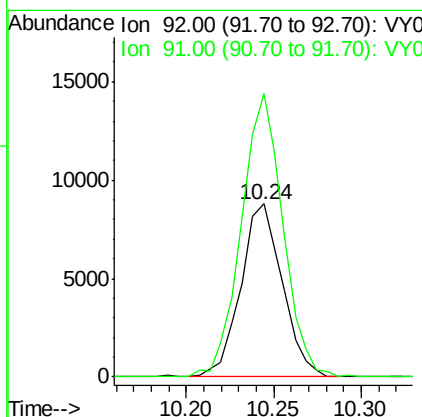
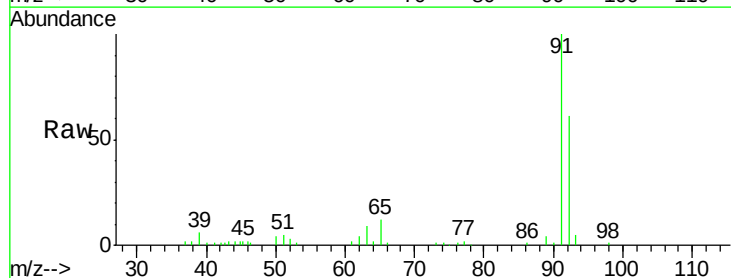
Manual Integrations
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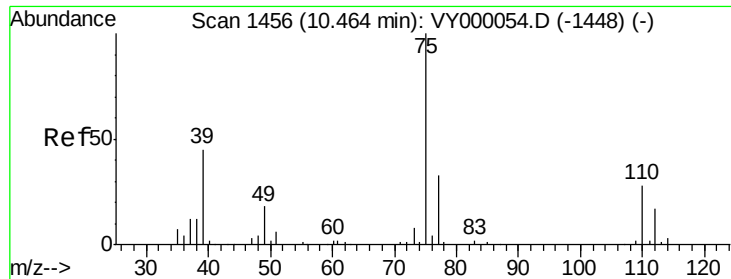
MMDadoda
9/20/2019 12:39:35 AM



#52
Toluene
Concen: 4.675 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	164.4	135.8	203.6





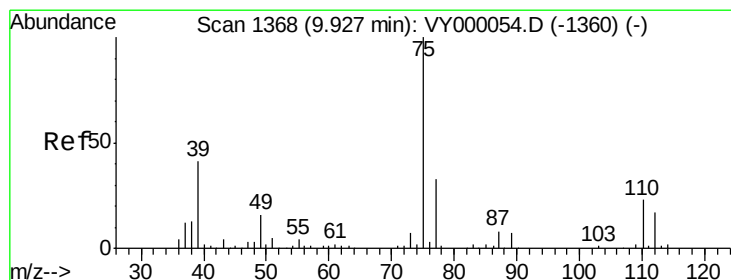
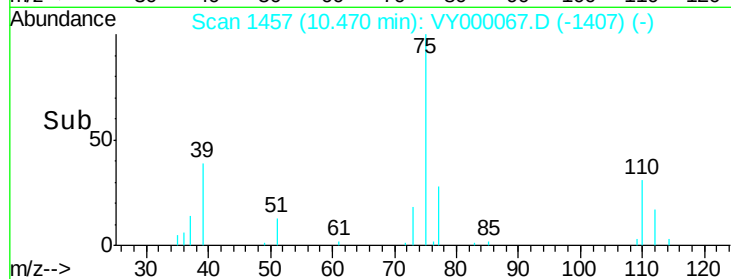
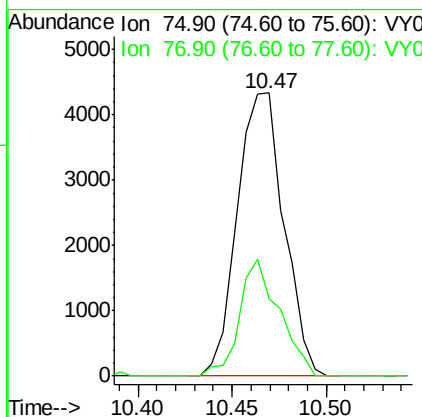
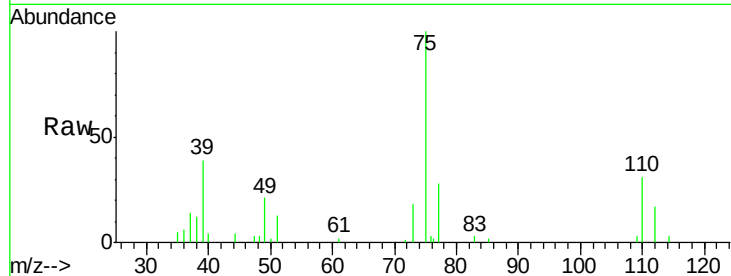
#53
t-1,3-Dichloropropene
Concen: 4.187 ug/l
RT: 10.47 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 75 Resp: 7442
Ion Ratio Lower Upper
75 100
77 27.5 26.2 39.2

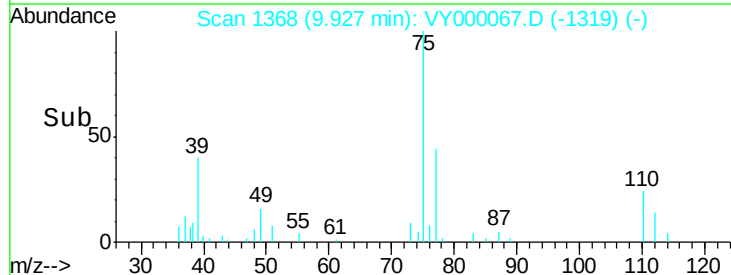
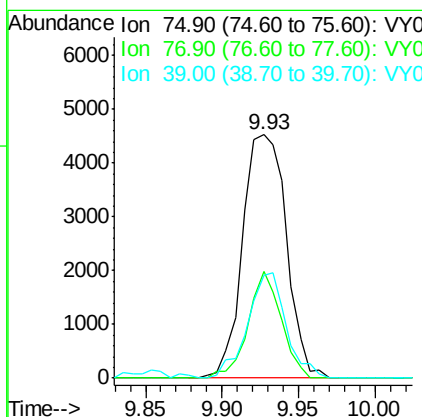
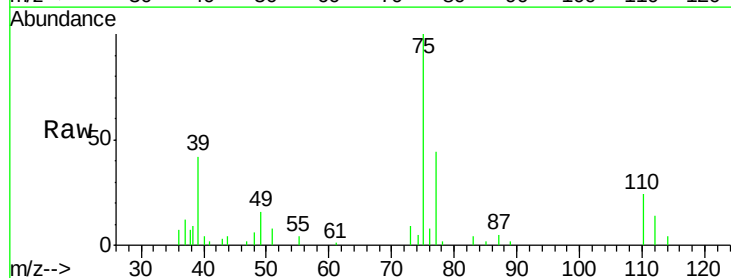
Manual Integrations
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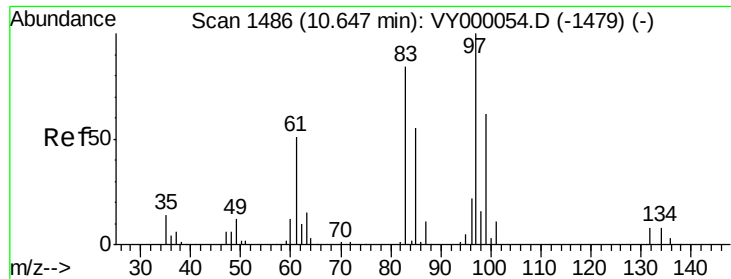
MMDadoda
9/20/2019 12:39:35 AM



#54
cis-1,3-Dichloropropene
Concen: 4.375 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion: 75 Resp: 8979
Ion Ratio Lower Upper
75 100
77 43.6 26.1 39.1#
39 42.4 33.1 49.7





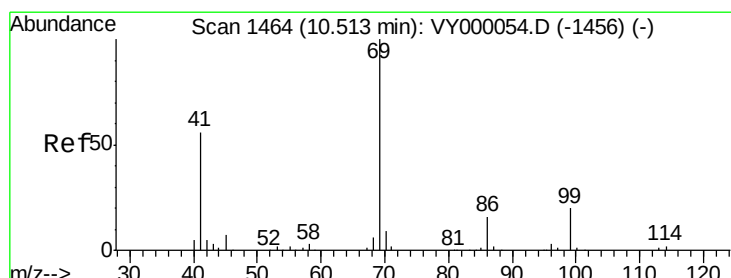
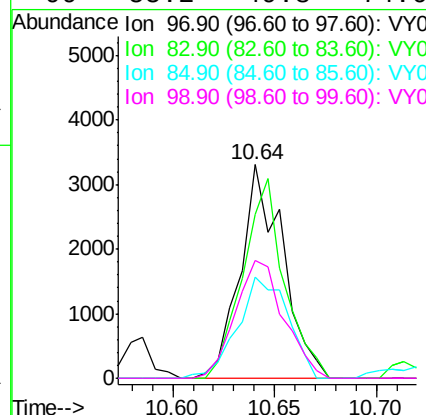
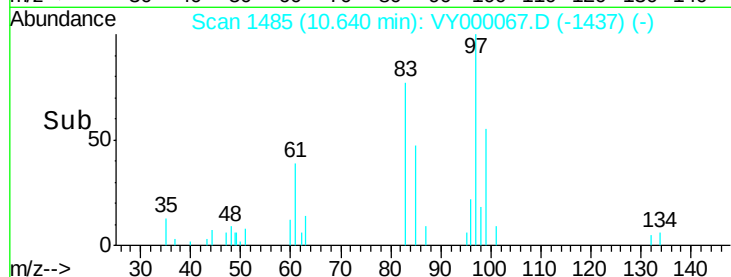
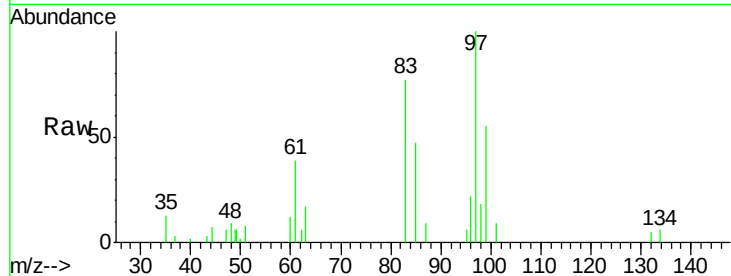
#55
1,1,2-Trichloroethane
Concen: 4.429 ug/l
RT: 10.64 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion:	97	Resp:	4797
Ion	Ratio	Lower	Upper
97	100		
83	76.5	67.3	100.9
85	47.4	43.6	65.4
99	55.2	49.8	74.6

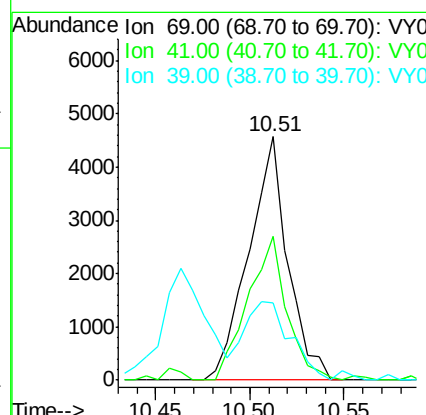
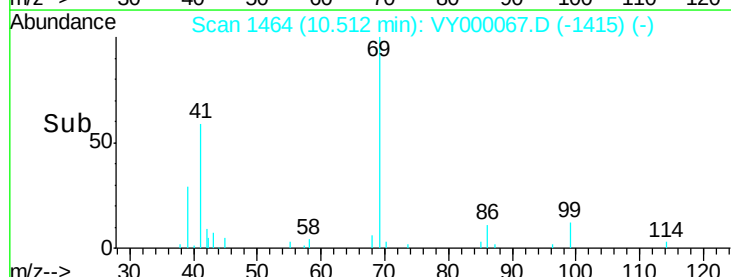
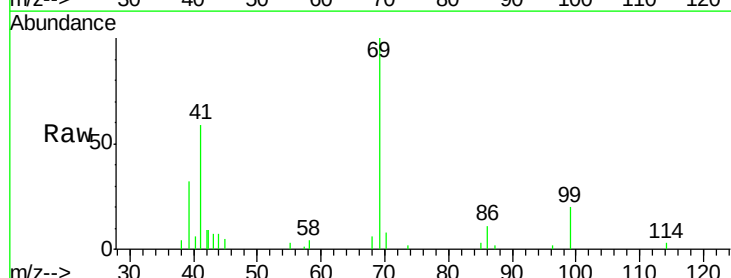
Manual Integrations
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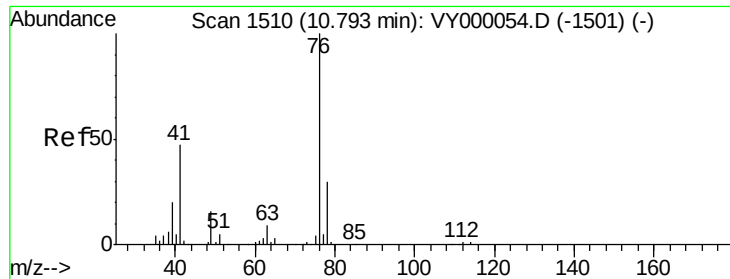
MMDadoda
9/20/2019 12:39:35 AM



#56
Ethyl methacrylate
Concen: 4.263 ug/l
RT: 10.51 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion:	69	Resp:	6570
Ion	Ratio	Lower	Upper
69	100		
41	59.3	45.6	68.4
39	38.3	27.3	40.9





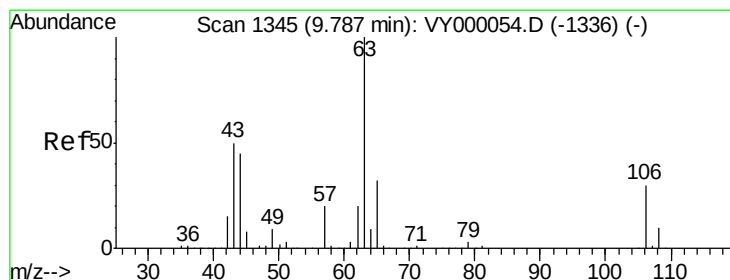
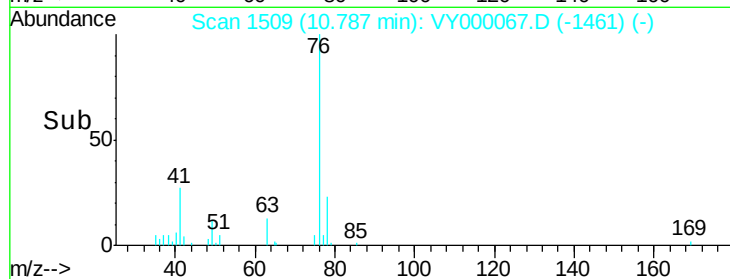
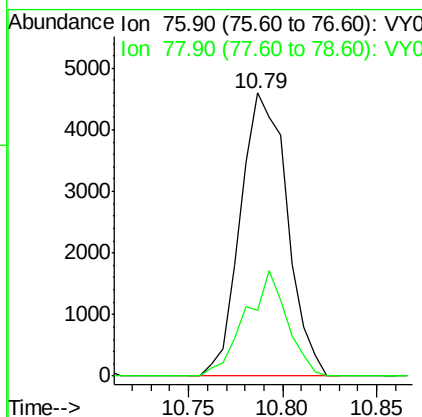
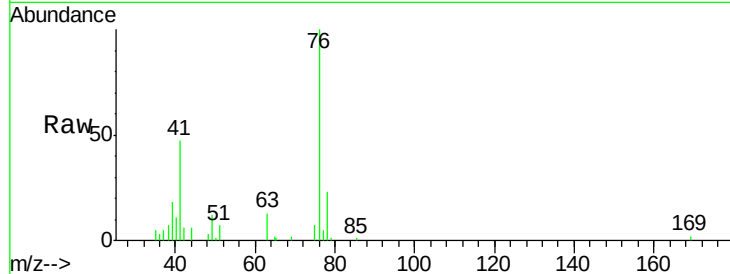
#57
 1,3-Dichloropropane
 Concen: 4.341 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	40.0

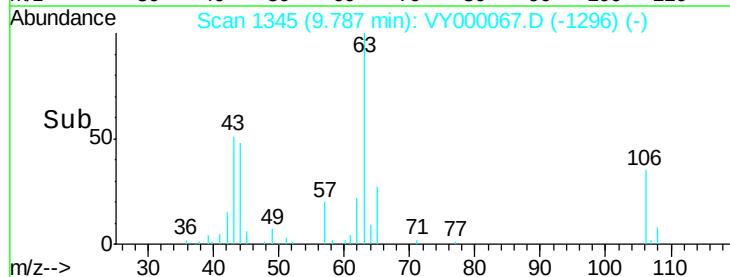
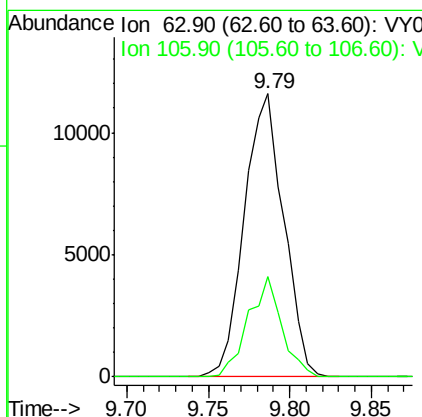
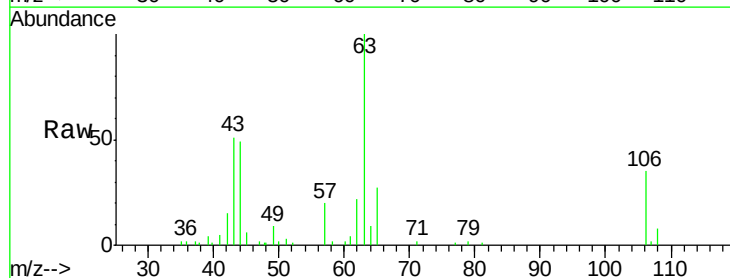
Manual Integrations
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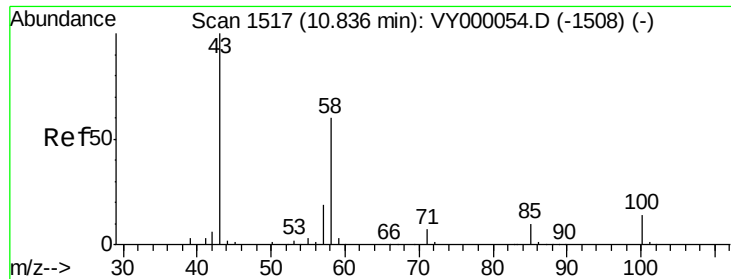
MMDadoda
 9/20/2019 12:39:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.430 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.3	34.9





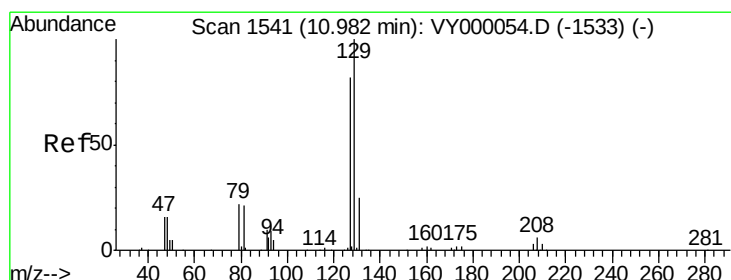
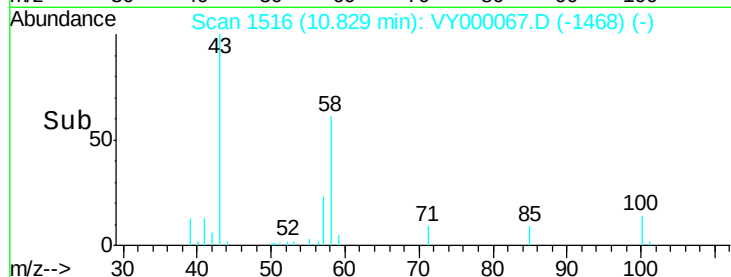
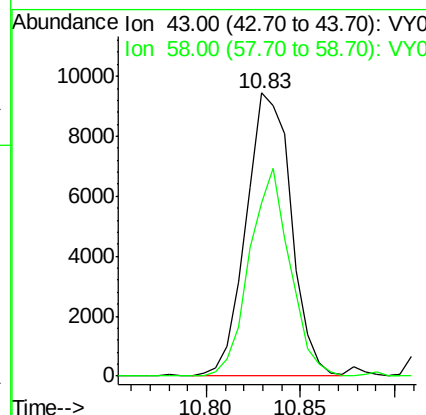
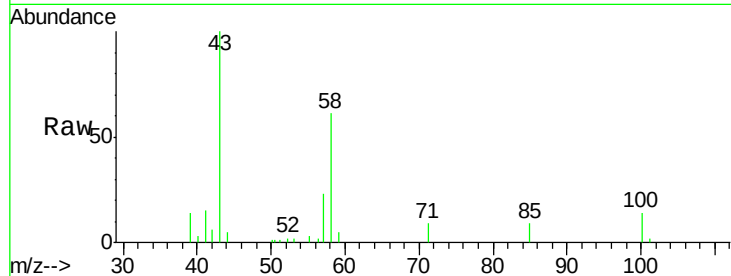
#59
2-Hexanone
Concen: 20.914 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 43 Resp: 15698
Ion Ratio Lower Upper
43 100
58 65.6 29.9 89.7

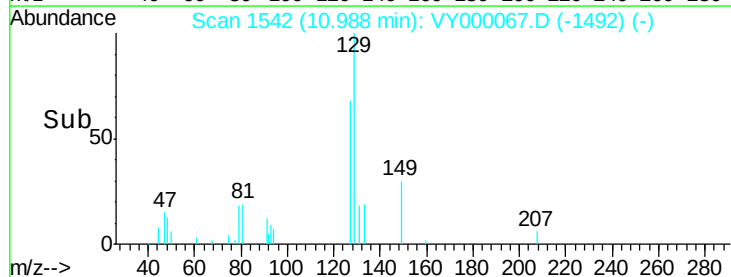
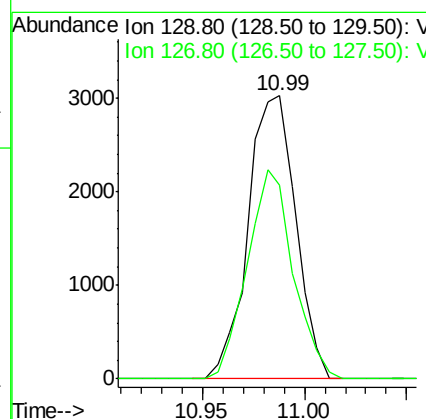
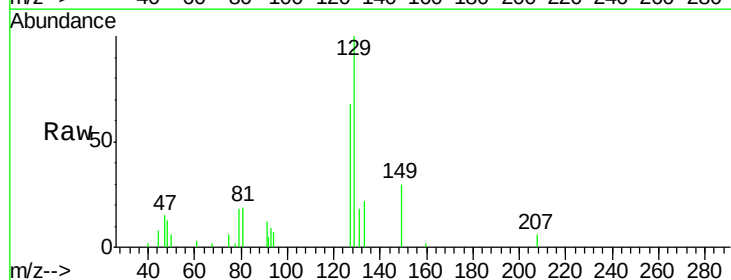
Manual Integrations
APPROVED

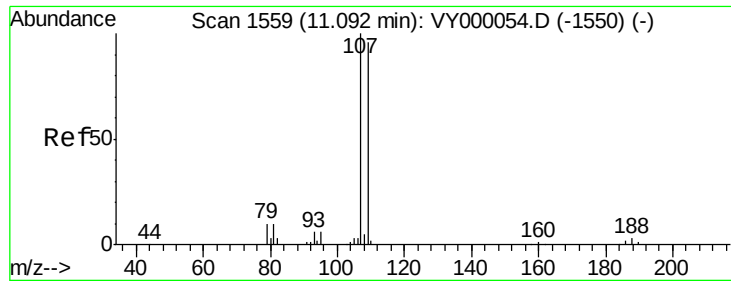
MMDadoda
9/20/2019 12:39:35 AM



#60
Dibromochloromethane
Concen: 4.332 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion: 129 Resp: 4915
Ion Ratio Lower Upper
129 100
127 71.5 40.2 120.6





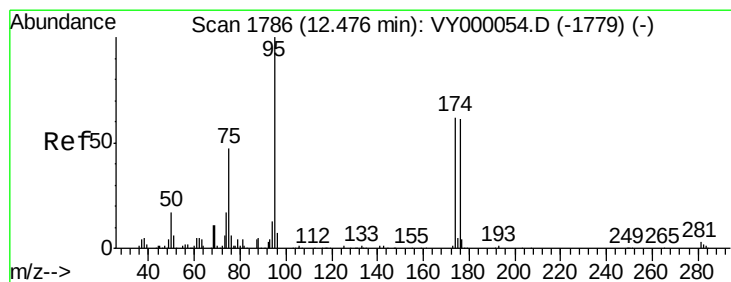
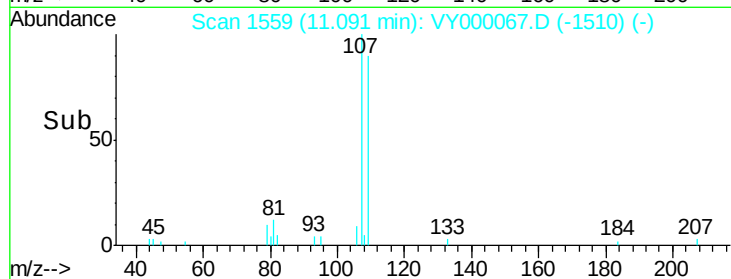
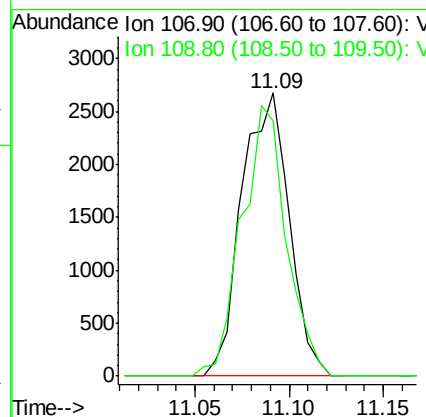
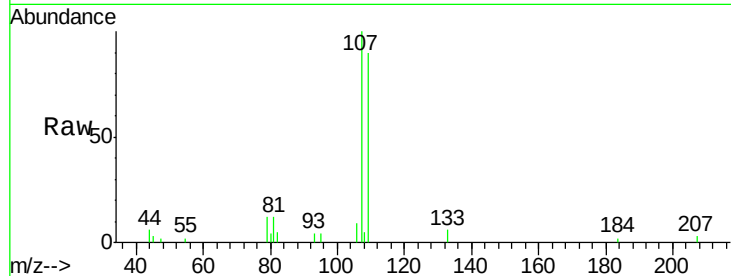
#61
 1,2-Dibromoethane
 Concen: 4.704 ug/l
 RT: 11.09 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	75.0	112.6

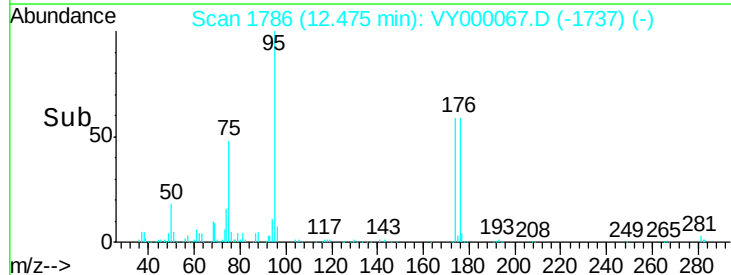
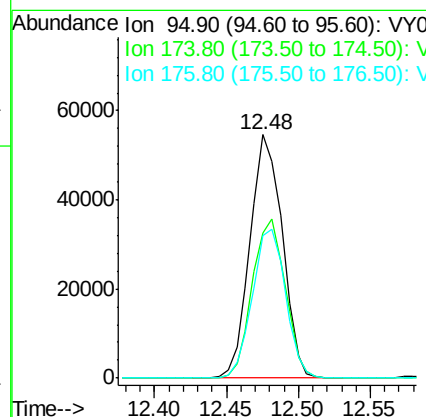
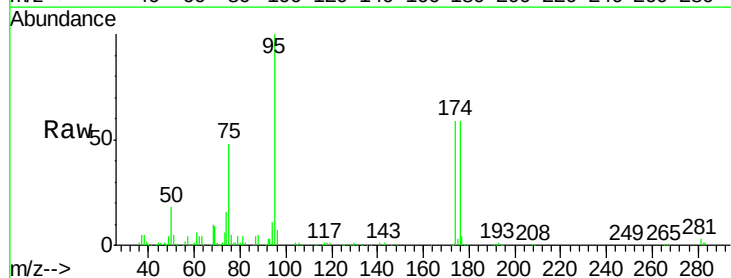
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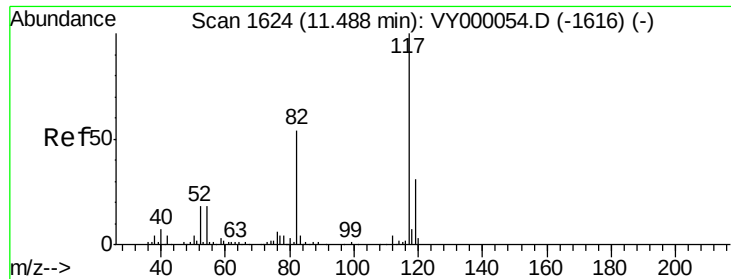
MMDadoda
 9/20/2019 12:39:35 AM



#62
 4-Bromofluorobenzene
 Concen: 48.562 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	137.2
176	62.8	0.0	135.0





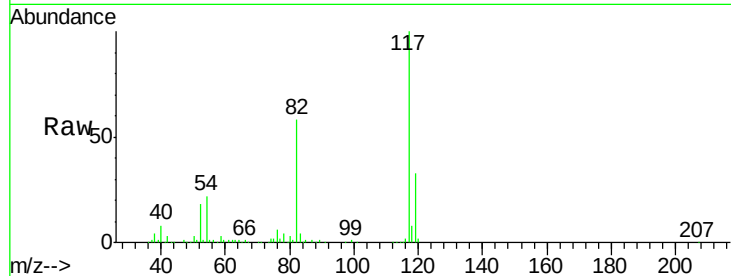
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

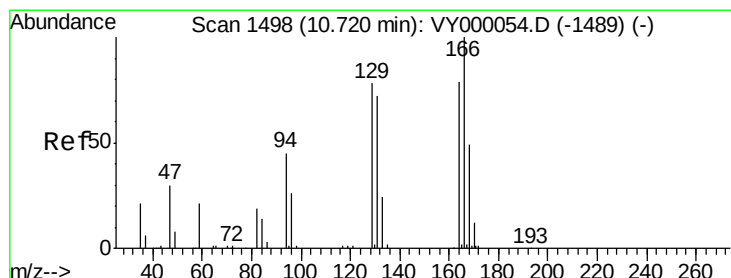
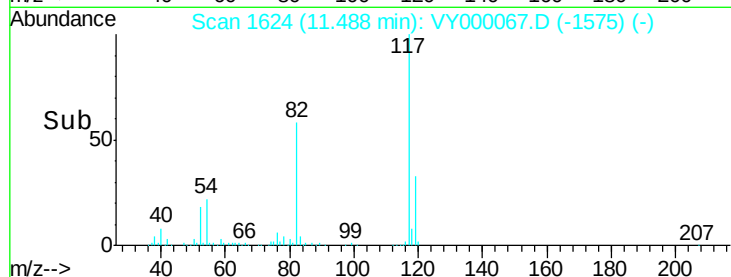
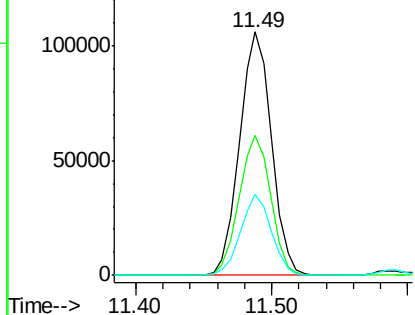
Tot Ion	Ratio	Resp	Lower	Upper
117	100	173598		
82	57.6	43.5	65.3	
119	33.2	24.6	36.8	

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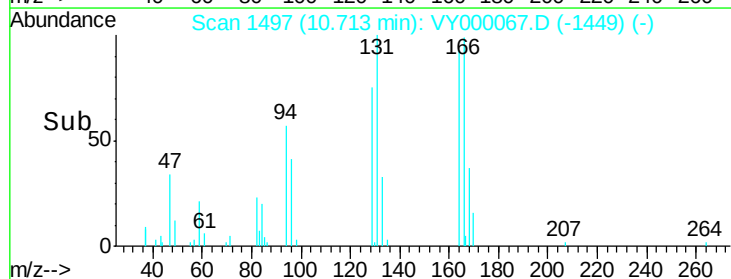
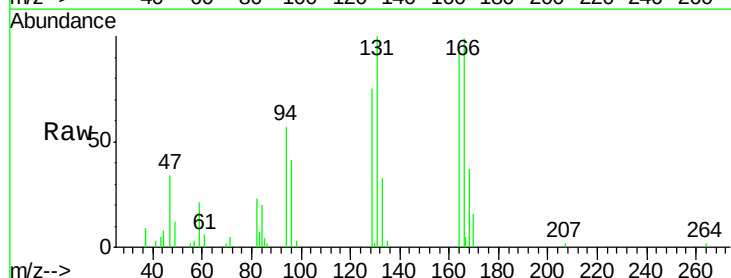
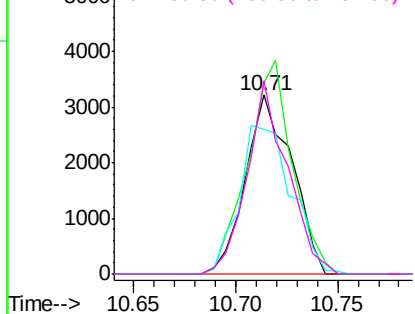
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

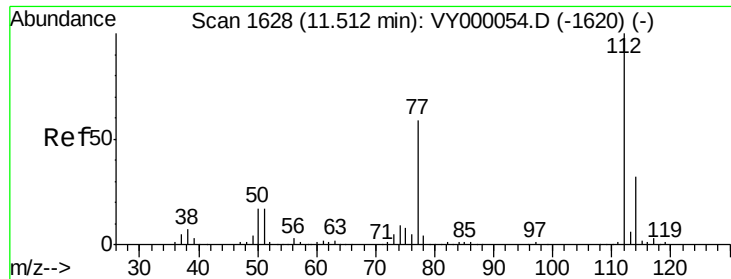


#64
Tetrachloroethene
Concen: 4.675 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5094		
166	106.6	100.9	151.3	
129	81.1	78.4	117.6	
131	107.9	72.2	108.2	

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





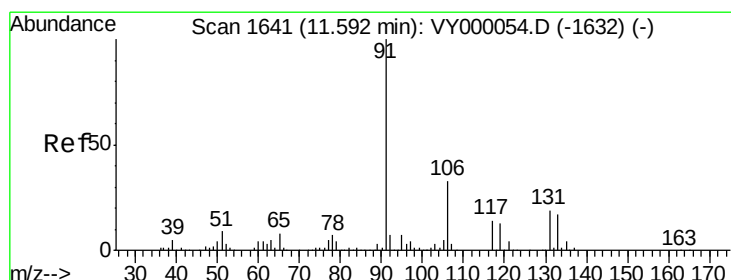
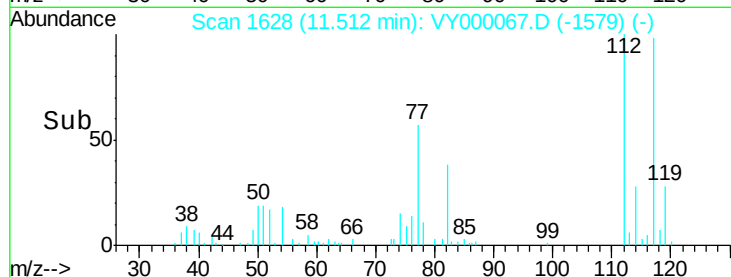
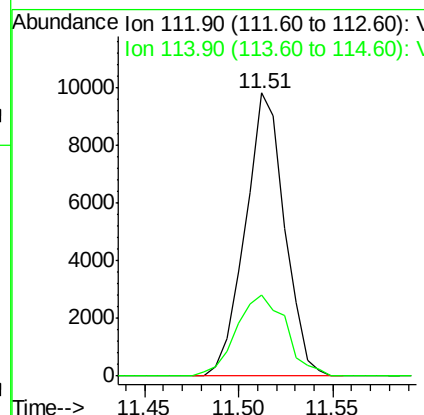
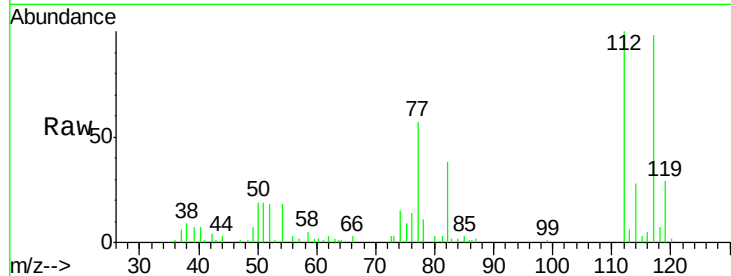
#65
Chlorobenzene
Concen: 4.130 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion:112 Resp: 14181
Ion Ratio Lower Upper
112 100
114 28.5 25.6 38.4

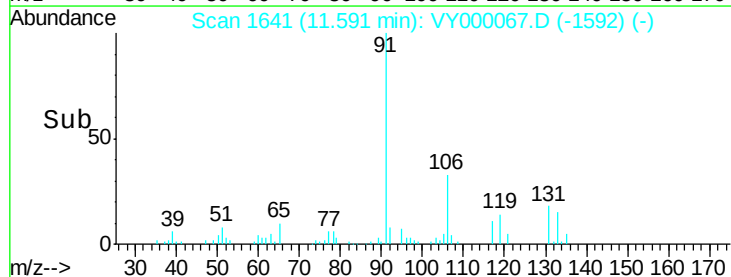
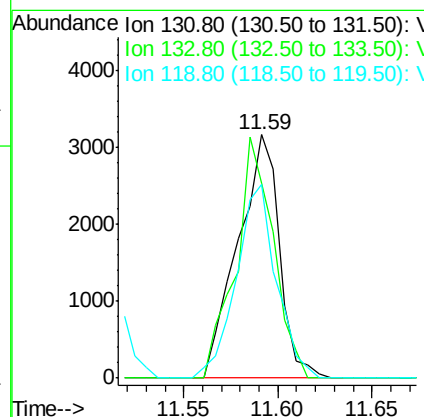
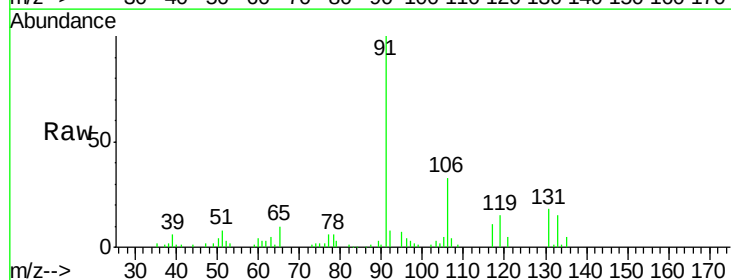
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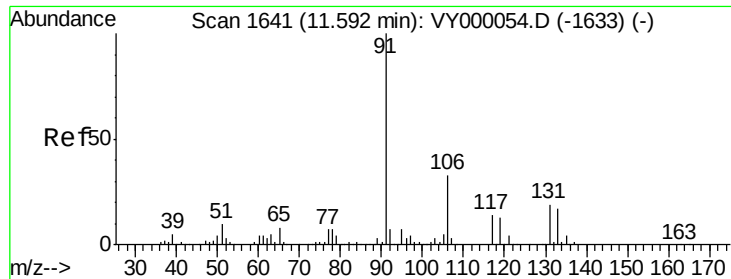
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.151 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion:131 Resp: 4820
Ion Ratio Lower Upper
131 100
133 90.1 46.6 139.8
119 77.4 36.2 108.6





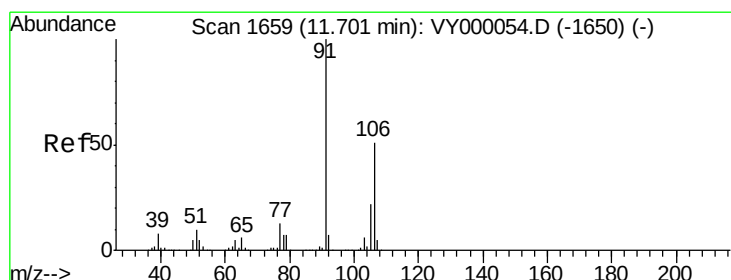
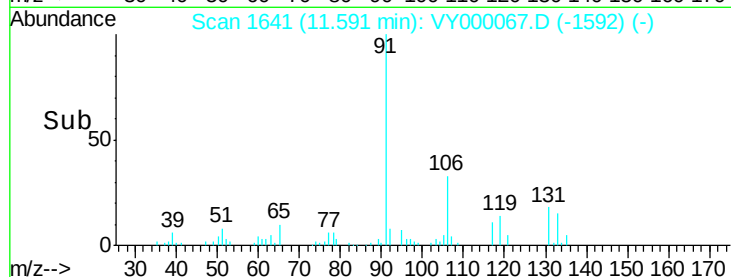
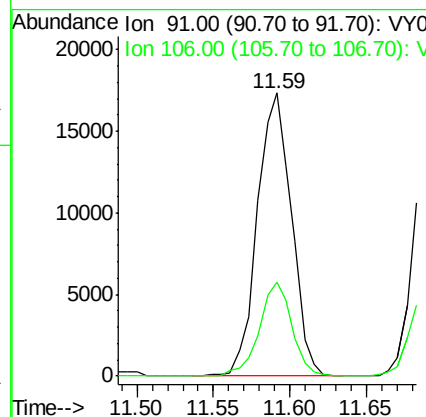
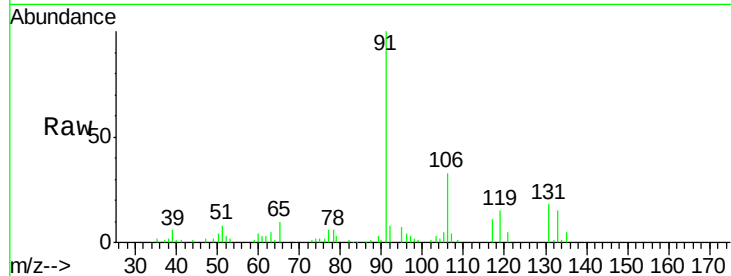
#67
Ethyl Benzene
Concen: 4.384 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 91 Resp: 26863
Ion Ratio Lower Upper
91 100
106 33.0 26.6 40.0

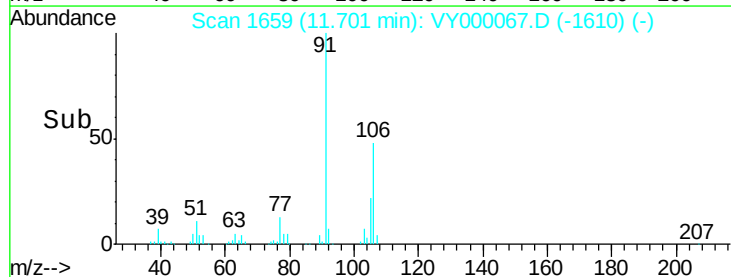
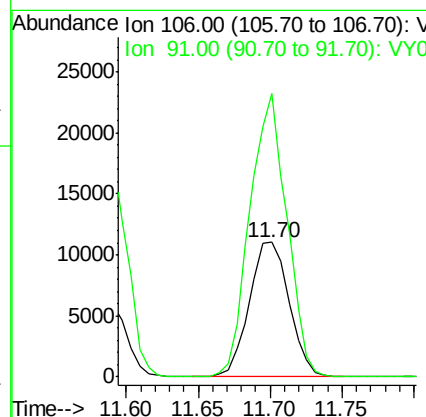
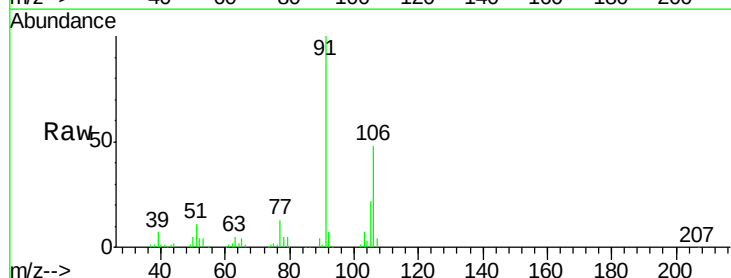
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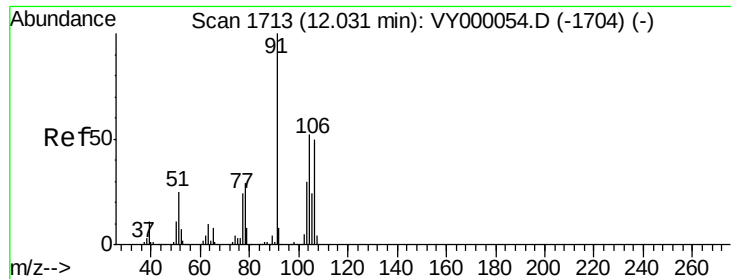
MMDadoda
9/20/2019 12:39:35 AM



#68
m/p-Xylenes
Concen: 9.087 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion: 106 Resp: 21188
Ion Ratio Lower Upper
106 100
91 194.4 154.5 231.7





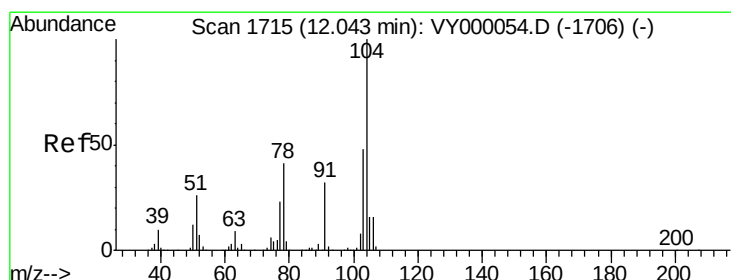
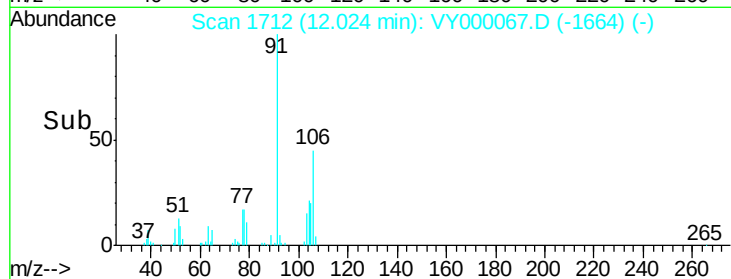
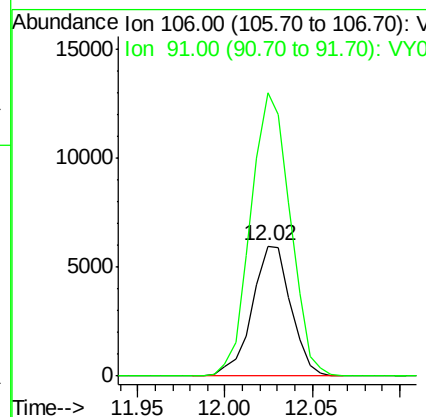
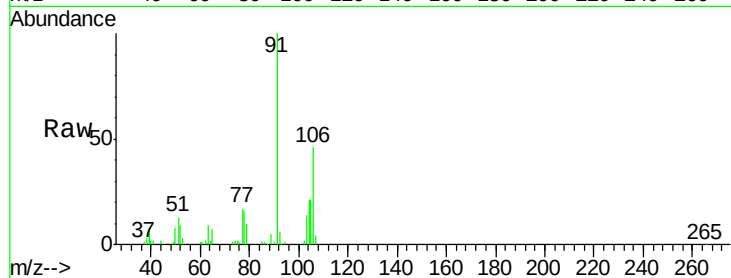
#69
o-Xylene
Concen: 4.082 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		9217		
91	221.8	103.5	310.3		

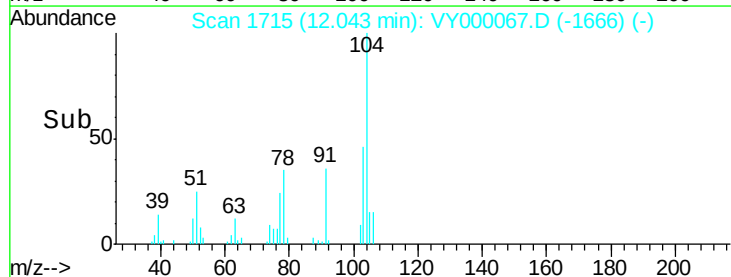
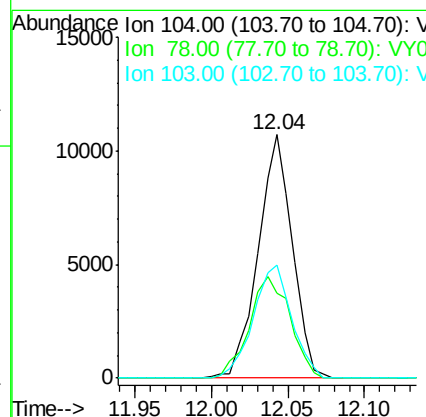
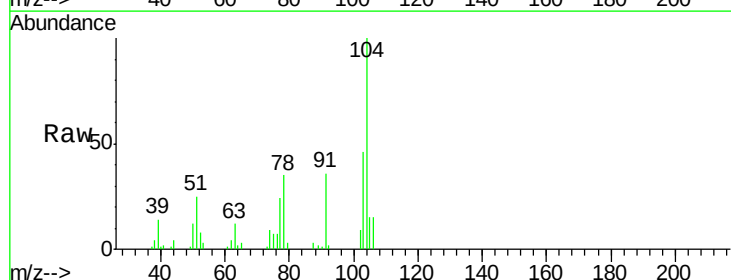
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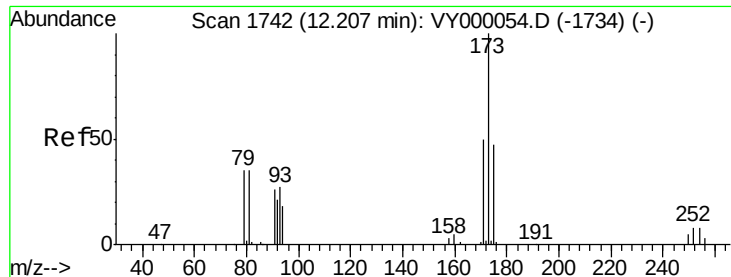
MMDadoda
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#70
Styrene
Concen: 4.194 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		16623		
78	49.8	37.7	56.5		
103	52.5	42.2	63.4		





#71

Bromoform

Concen: 3.798 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

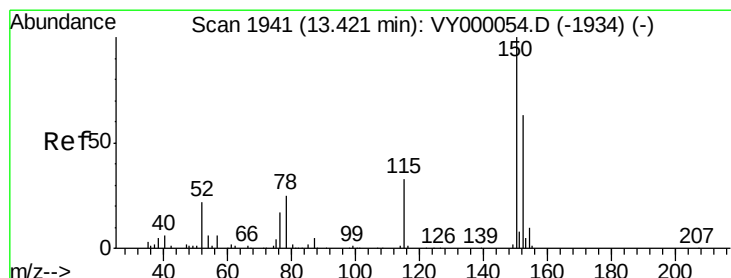
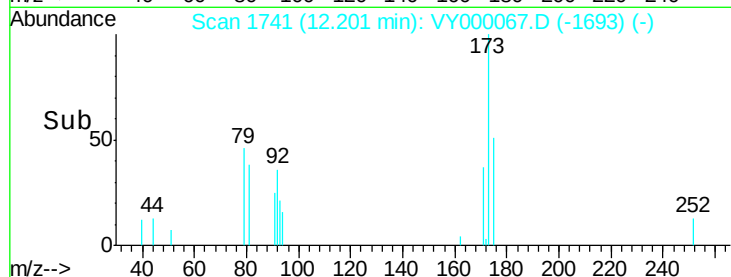
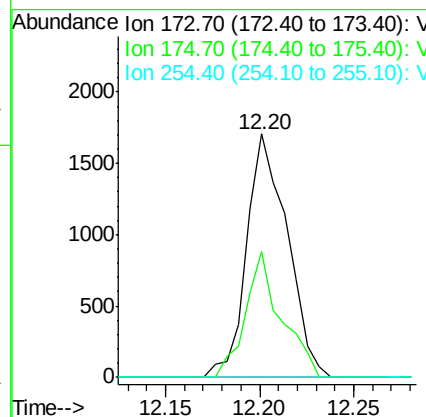
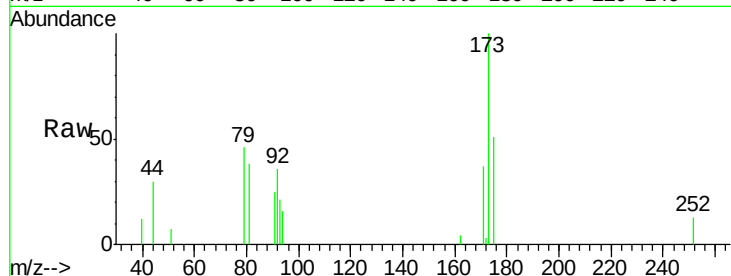
ClientSampled :

MDL3

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.4	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

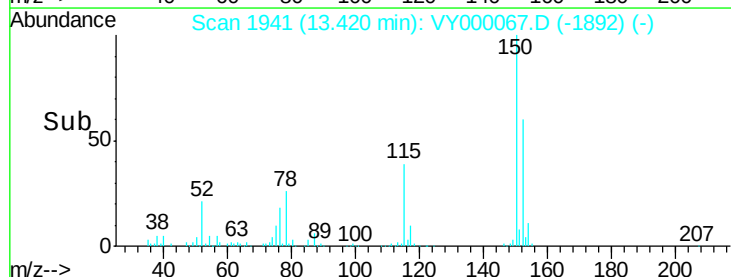
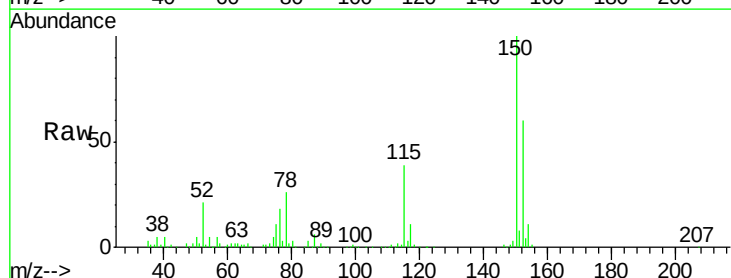
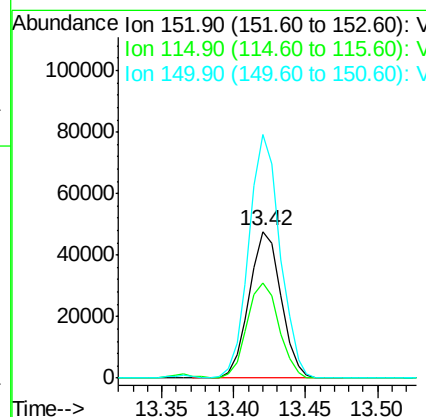
RT: 13.42 min Scan# 1941

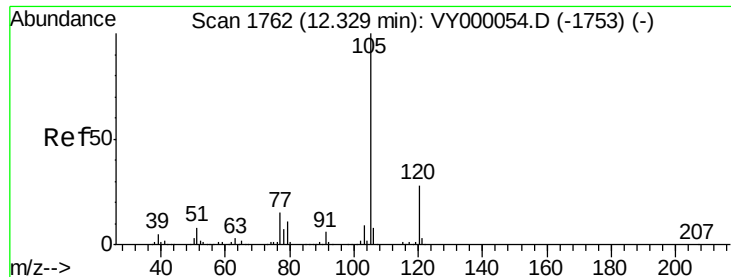
Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.3	30.7	92.1
150	162.3	0.0	351.6





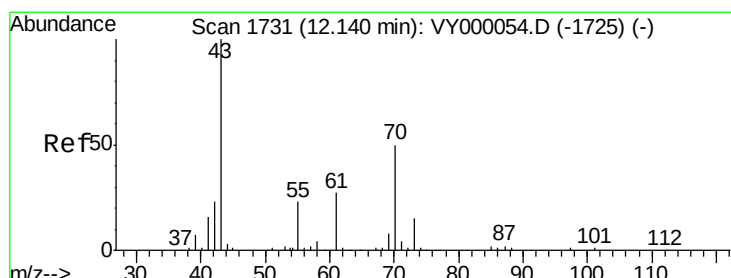
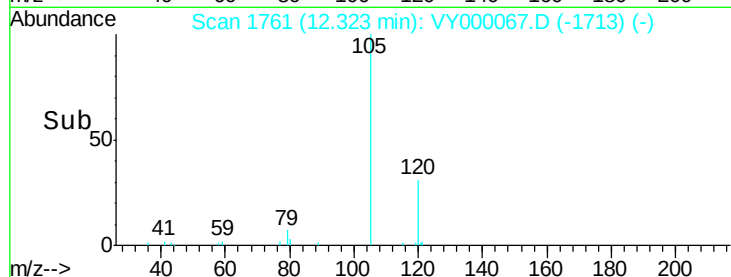
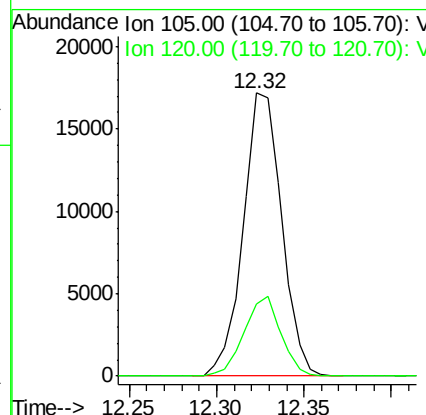
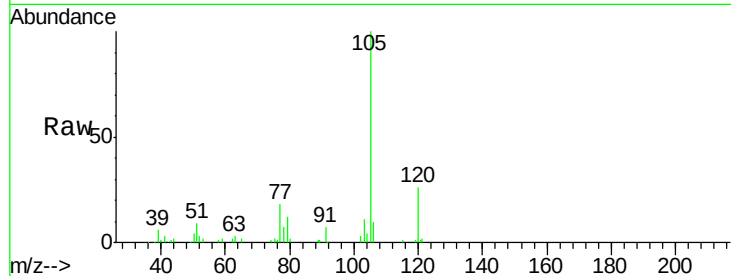
#73
Isopropylbenzene
Concen: 4.478 ug/l
RT: 12.32 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.9	41.7

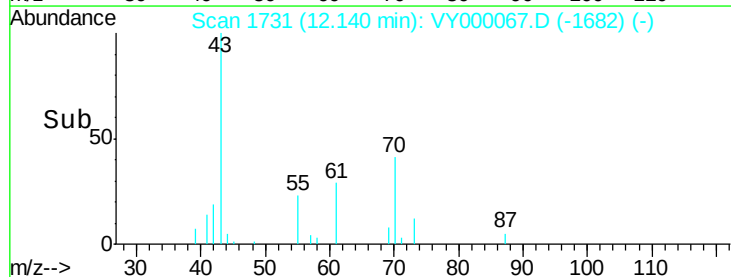
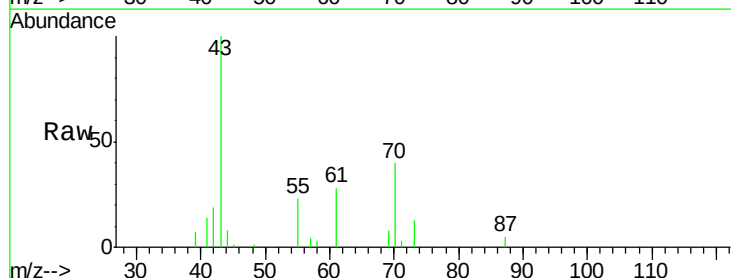
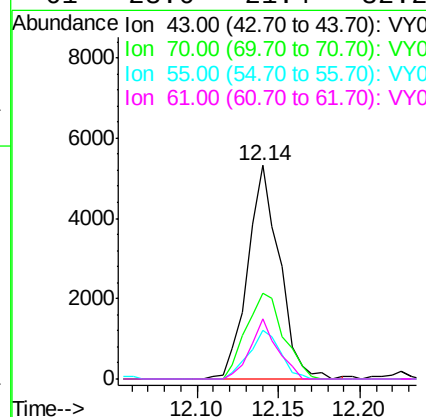
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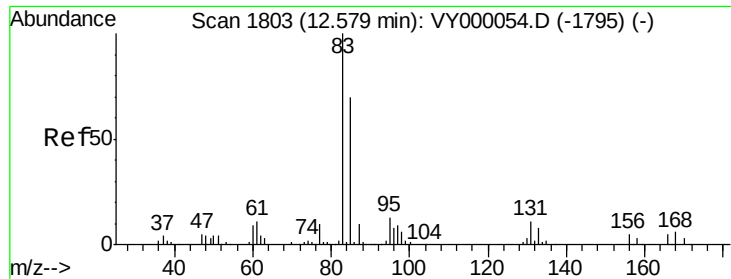
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#74
N-ethyl acetate
Concen: 4.343 ug/l
RT: 12.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.3	38.8	58.2
55	22.7	18.8	28.2
61	23.6	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.805 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

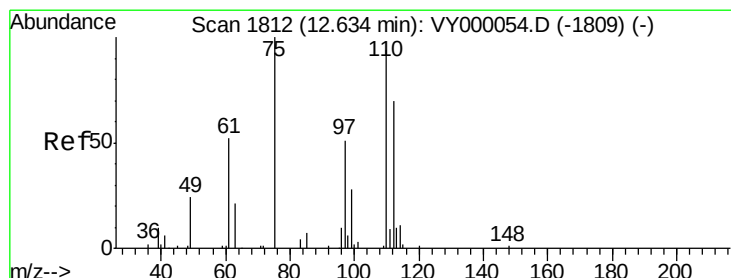
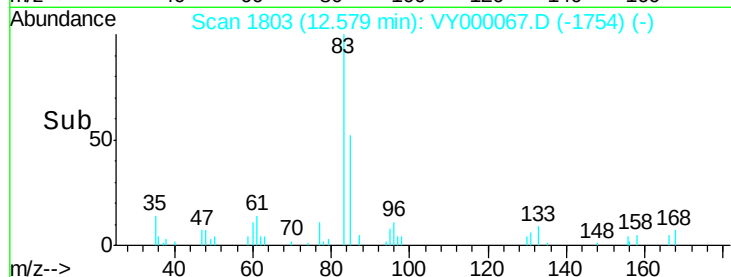
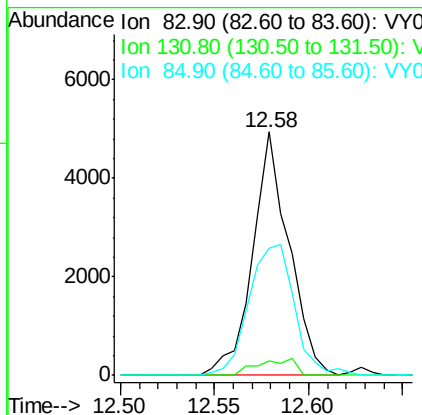
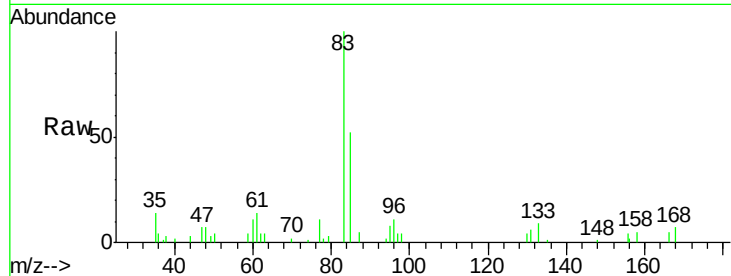
ClientSampled :

MDL3

Tot Ion:	83	Resp:	6633
Ion	Ratio	Lower	Upper
83	100		
131	7.2	4.9	14.7
85	67.3	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 3.908 ug/l m

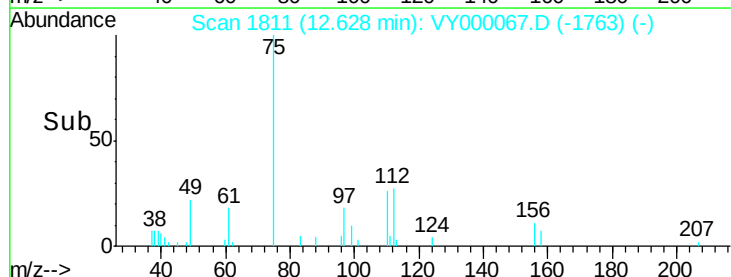
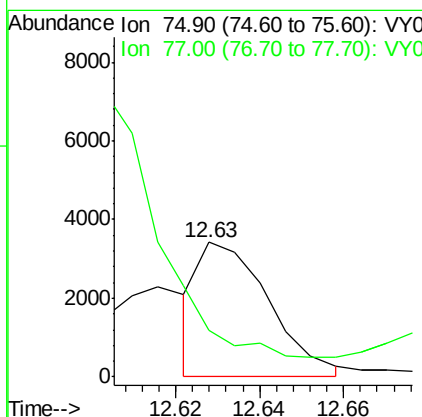
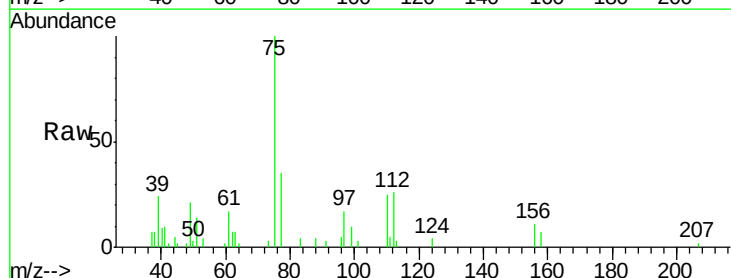
RT: 12.63 min Scan# 1811

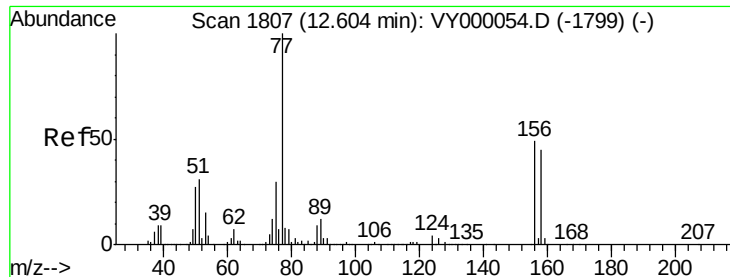
Delta R.T. -0.01 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Tgt Ion:	75	Resp:	4001
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.660 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion:156 Resp: 5706

Ion Ratio Lower Upper

156 100

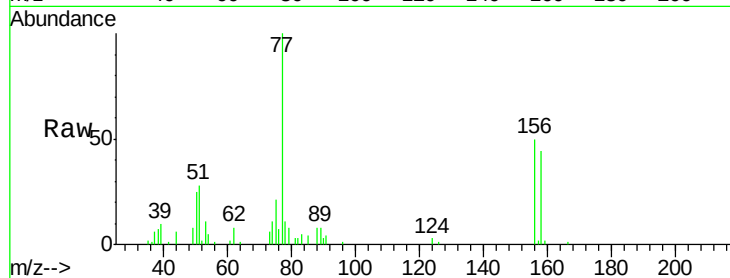
77 222.9 109.7 329.0

158 89.7 48.0 144.2

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MMDadoda

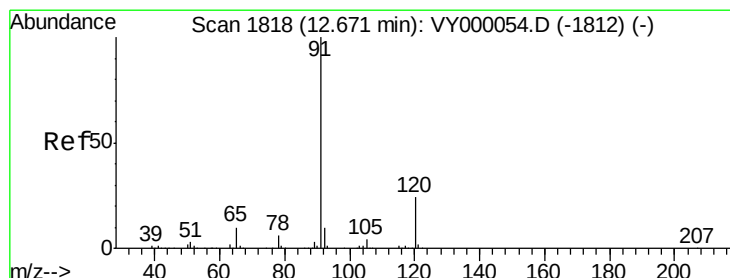
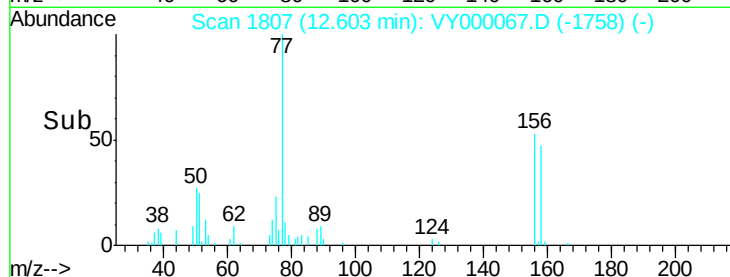
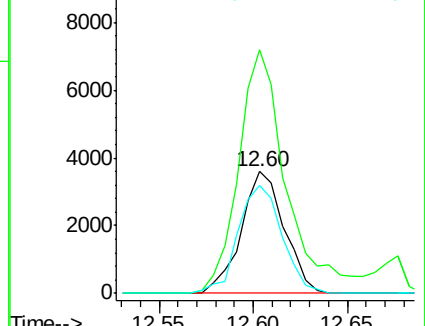
9/20/2019 12:39:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.522 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000067.D

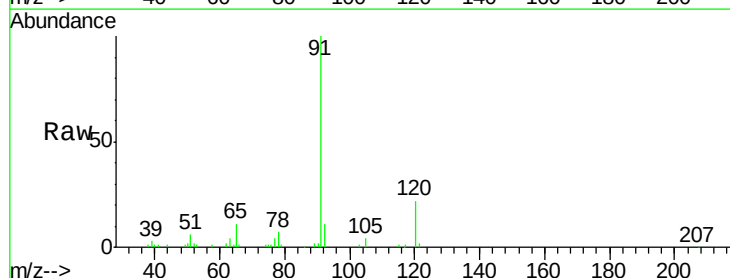
Acq: 18 Sep 2019 17:49

Tgt Ion: 91 Resp: 32349

Ion Ratio Lower Upper

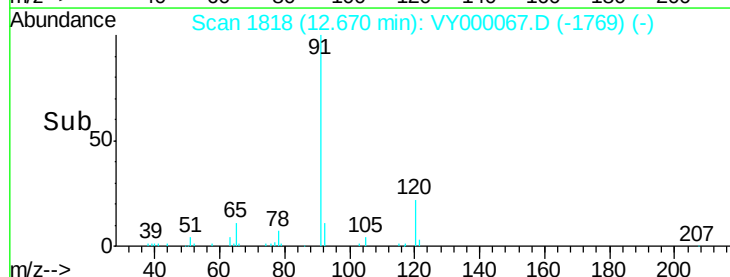
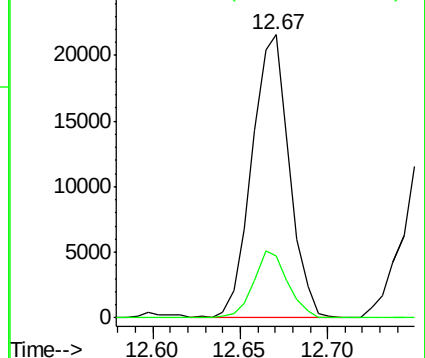
91 100

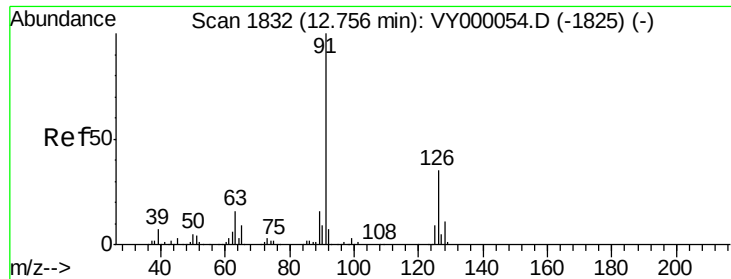
120 21.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





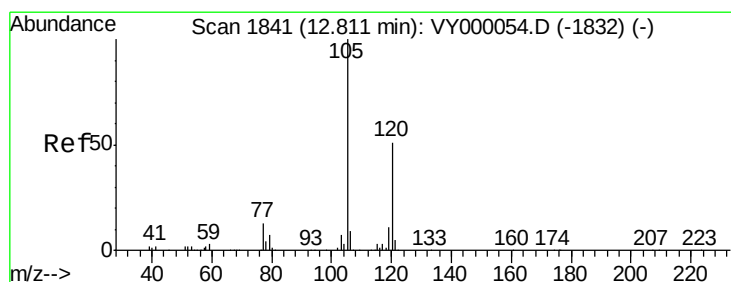
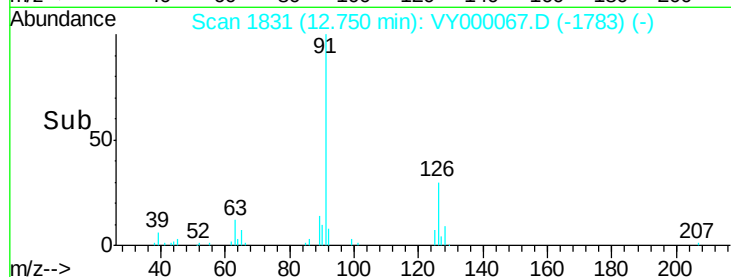
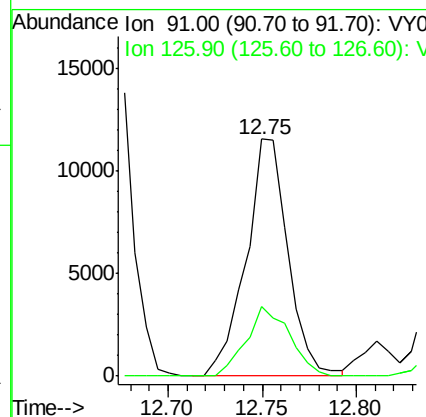
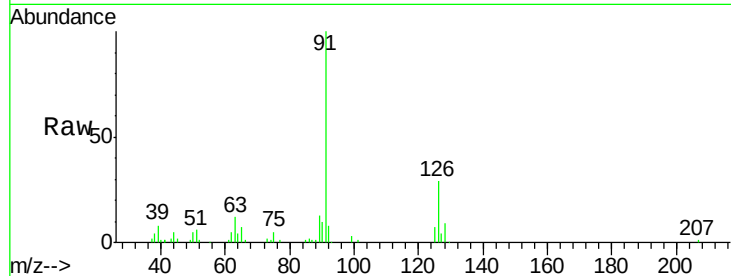
#79
 2-Chlorotoluene
 Concen: 4.473 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 91 Resp: 17887
 Ion Ratio Lower Upper
 91 100
 126 30.4 17.2 51.5

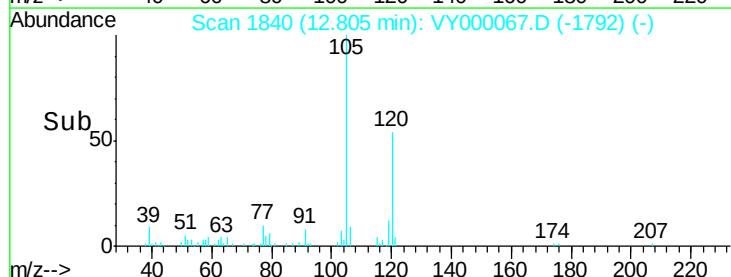
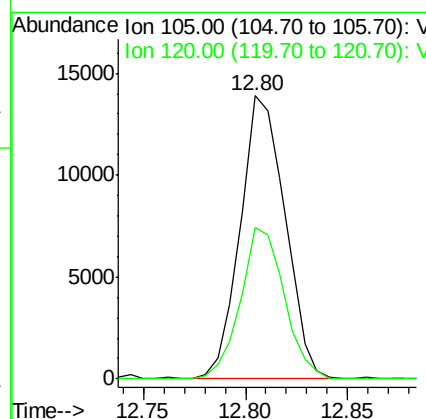
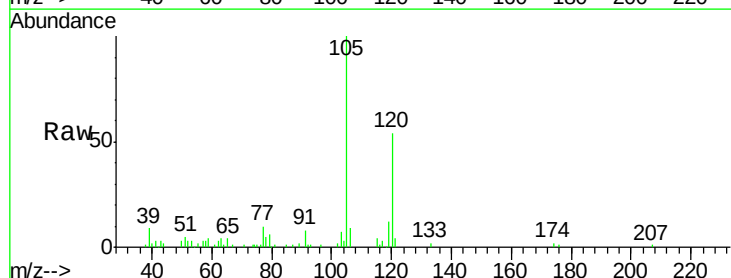
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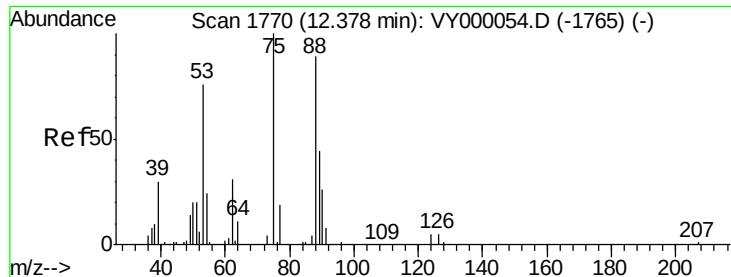
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.368 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion: 105 Resp: 21217
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.9 74.6





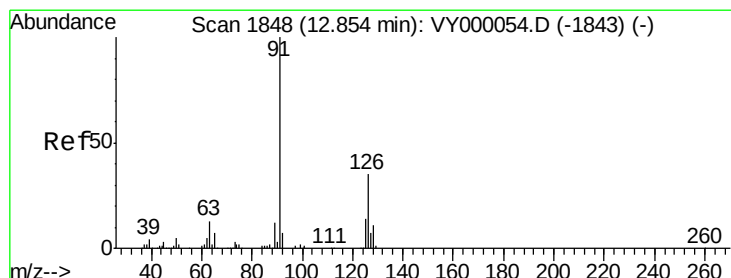
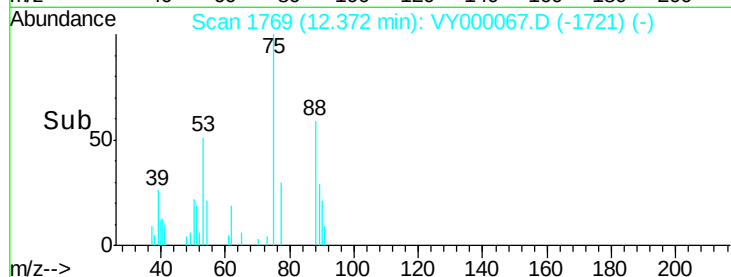
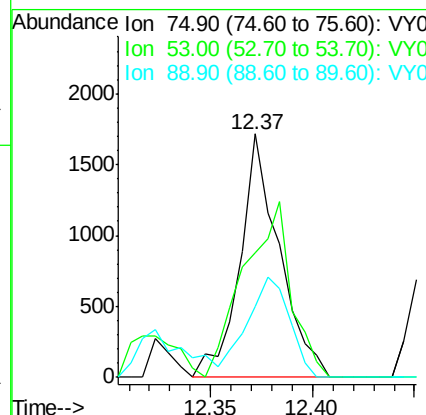
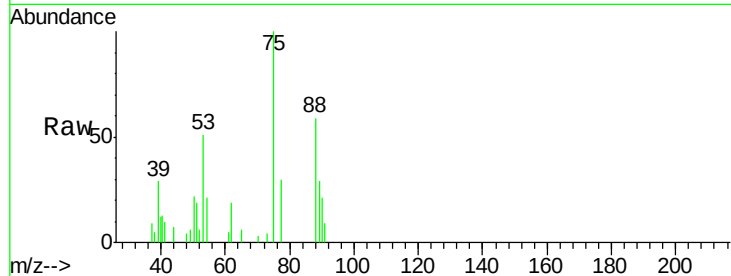
#81
trans-1,4-Dichloro-2-butene
Concen: 4.313 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	60.9	91.3
89	44.6	35.3	52.9

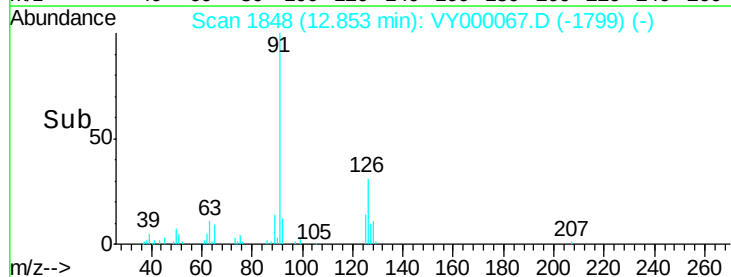
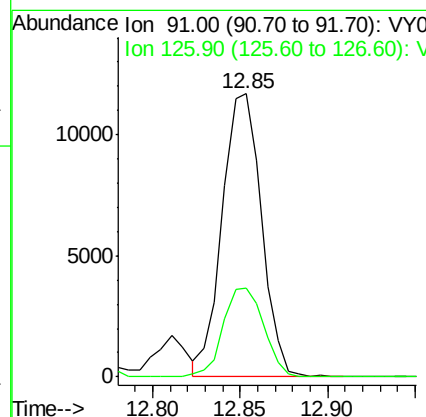
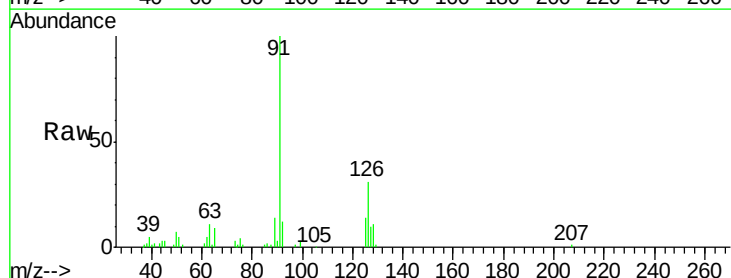
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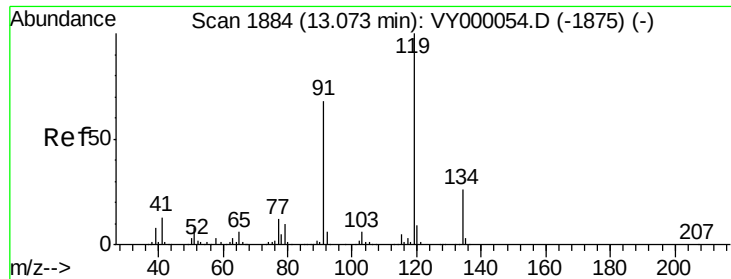
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.420 ug/l
RT: 12.85 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.7	50.1





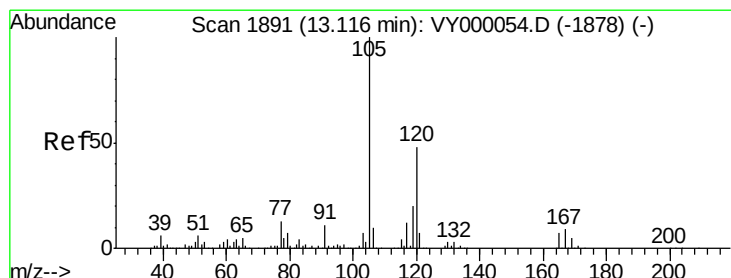
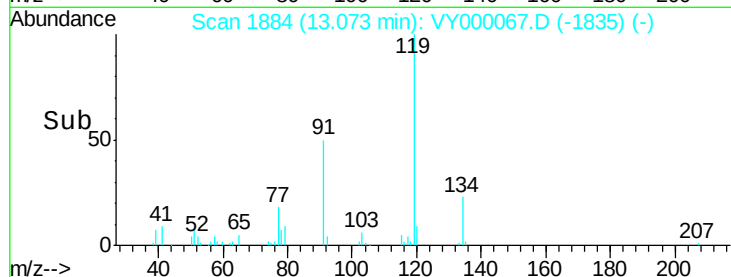
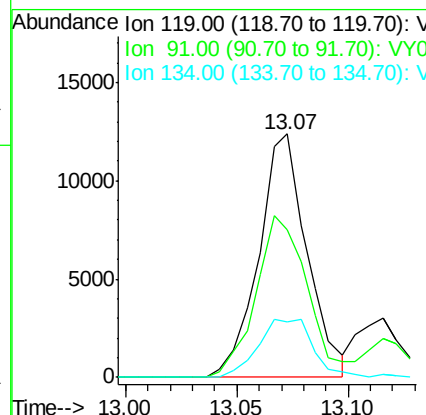
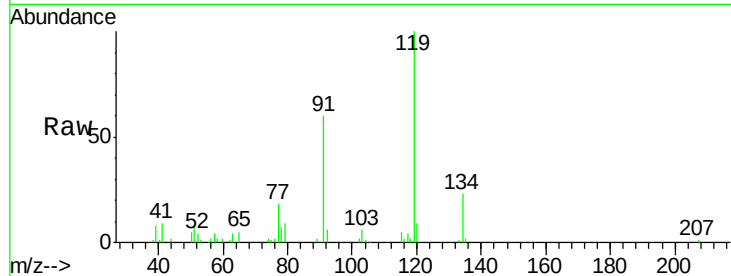
#83
tert-Butylbenzene
Concen: 4.486 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	33.4	100.1
134	26.9	12.7	38.0

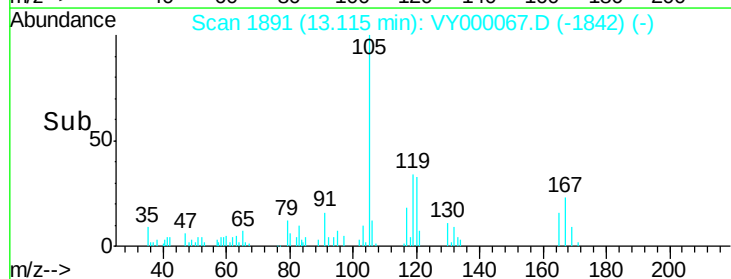
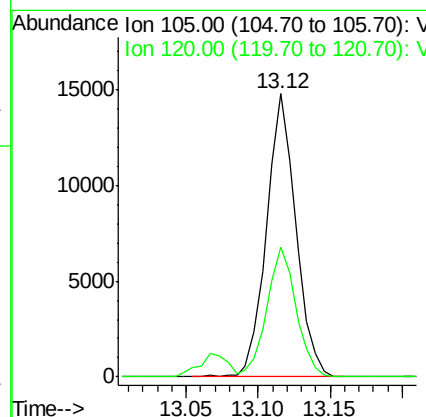
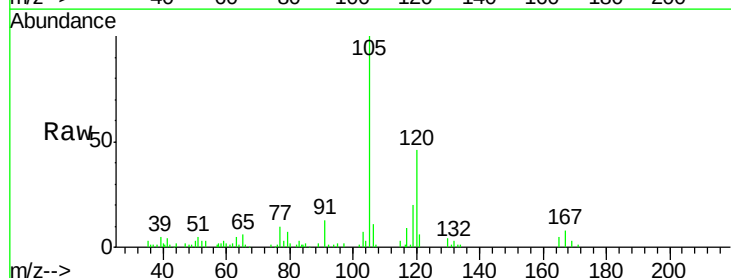
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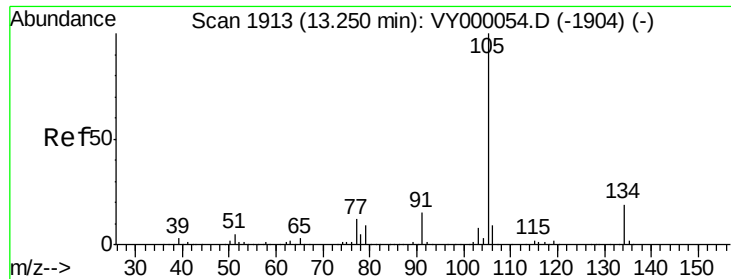
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#84
1,2,4-Trimethylbenzene
Concen: 4.350 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.7





#85

sec-Butylbenzene

Concen: 4.529 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion:105 Resp: 27809

Ion Ratio Lower Upper

105 100

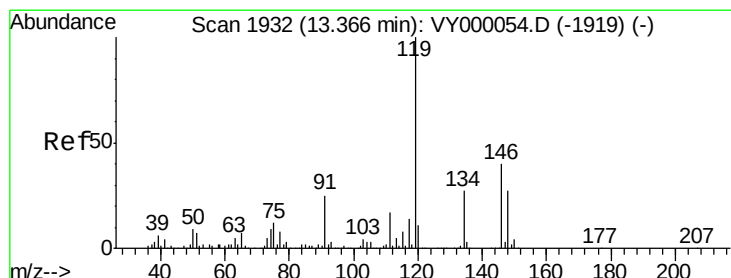
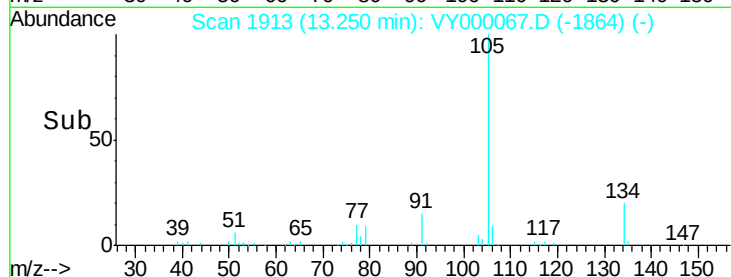
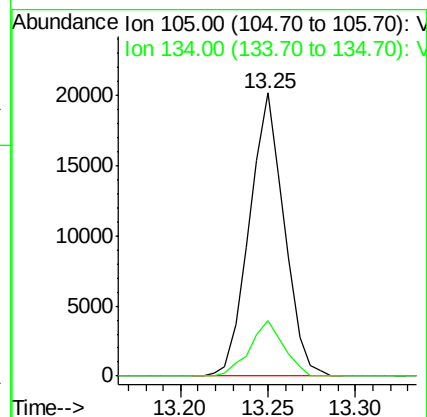
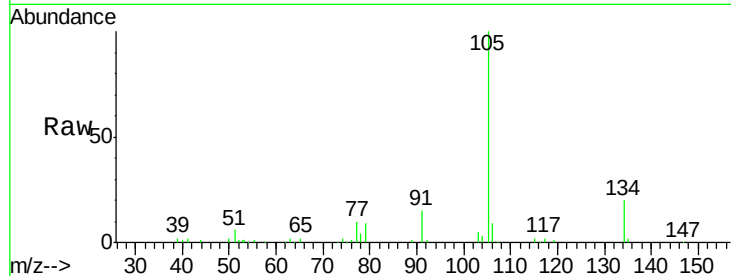
134 19.3 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.390 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000067.D

Acq: 18 Sep 2019 17:49

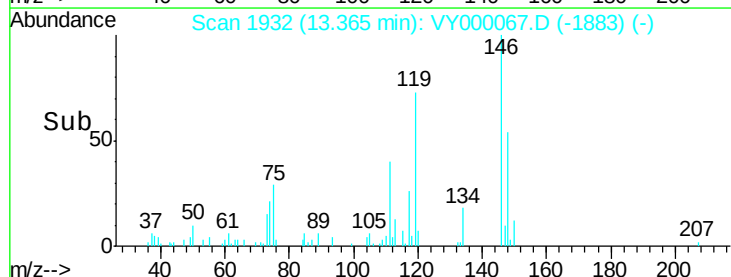
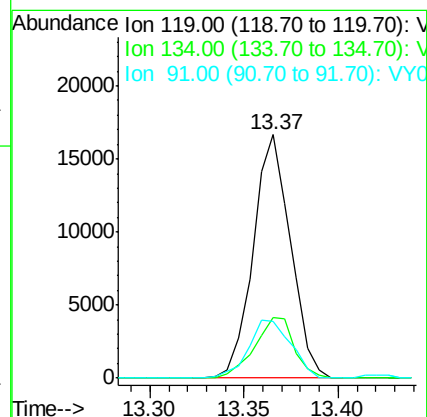
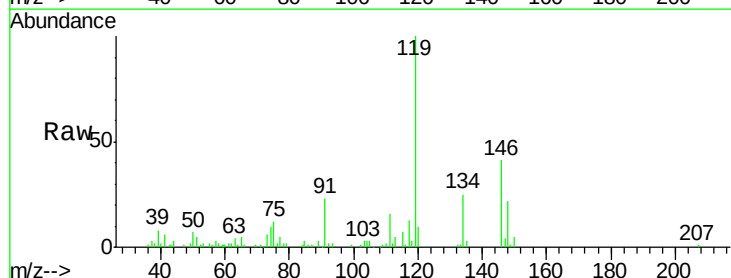
Tgt Ion:119 Resp: 22849

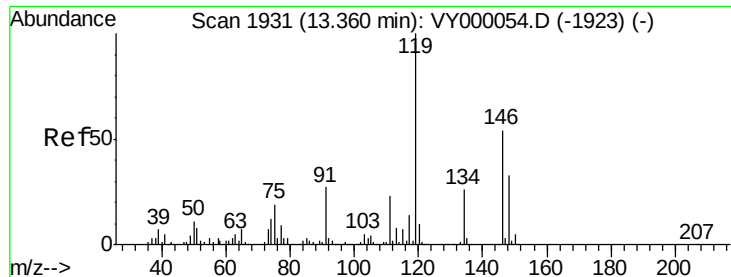
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 27.1 12.4 37.4





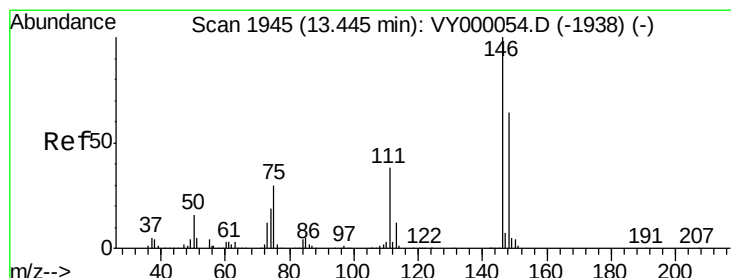
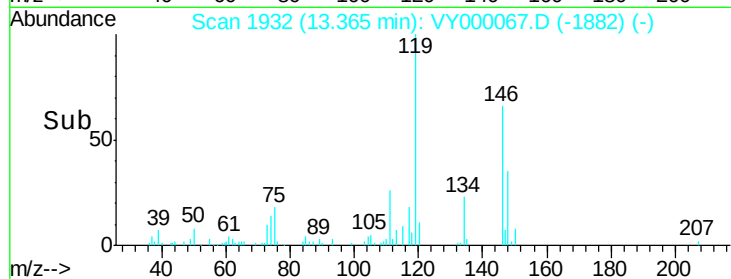
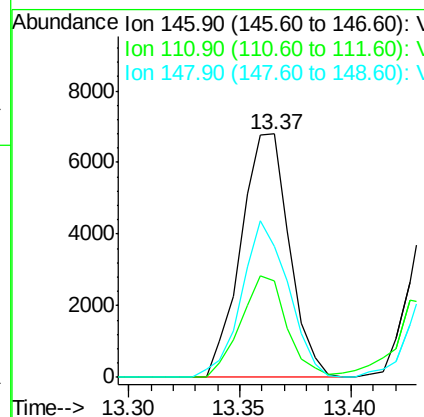
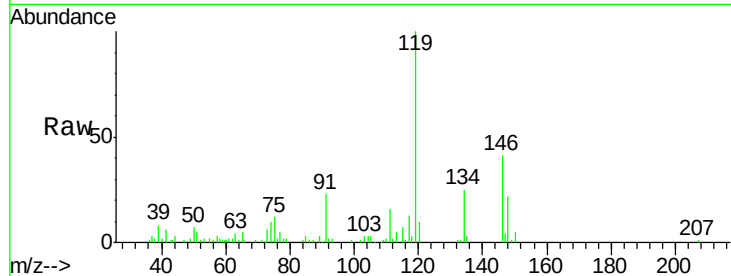
#87
 1,3-Dichlorobenzene
 Concen: 4.249 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.1
148	61.8	31.8	95.3

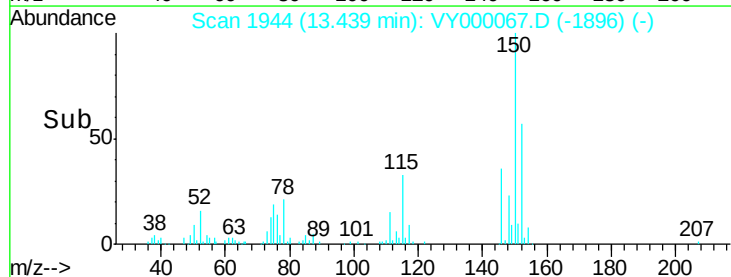
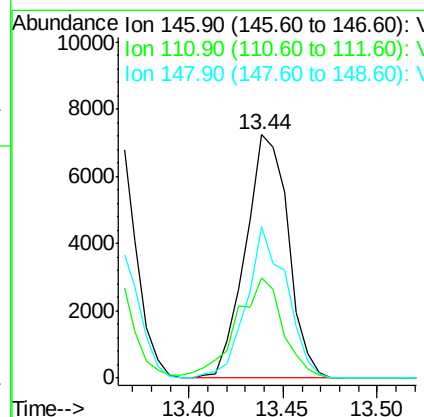
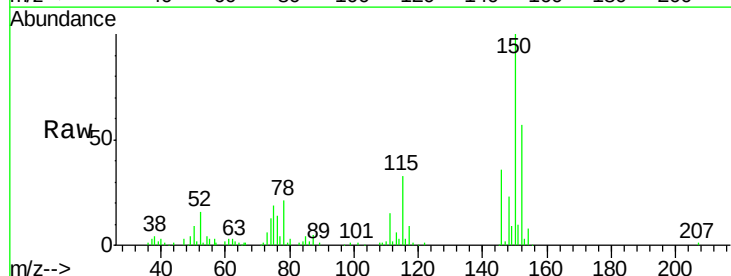
Manual Integrations
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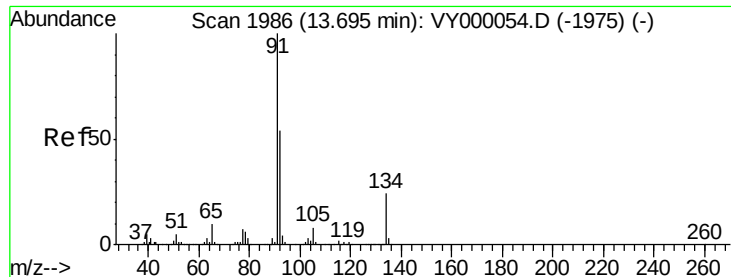
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#88
 1,4-Dichlorobenzene
 Concen: 4.676 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.8	62.4
148	58.4	31.5	94.5





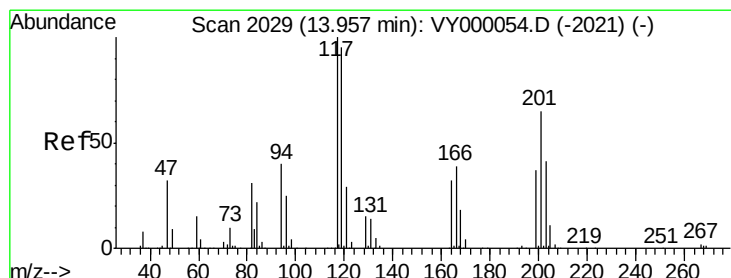
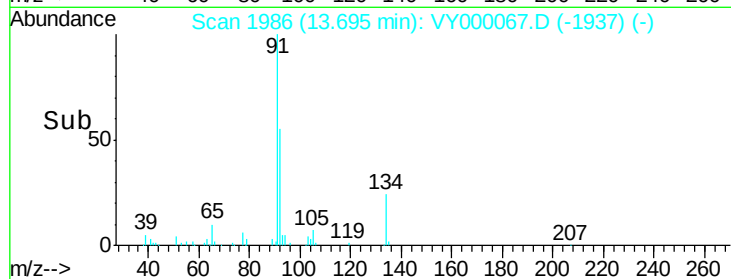
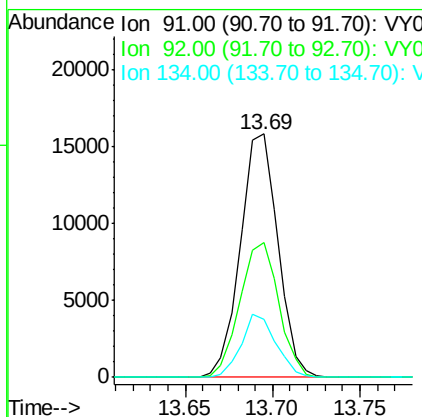
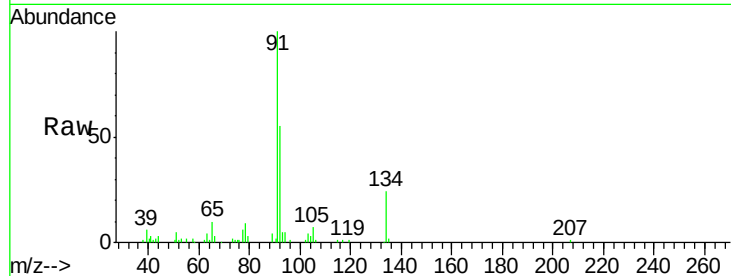
#89
n-Butylbenzene
Concen: 4.422 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	27.2	81.5
134	23.8	12.2	36.6

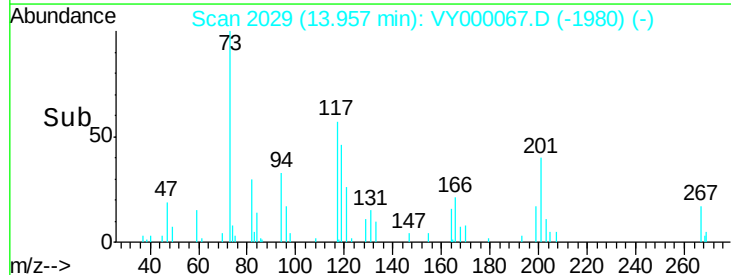
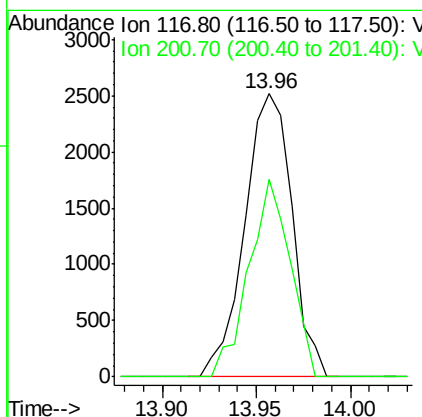
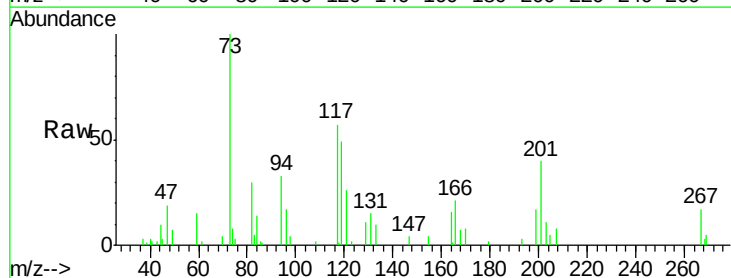
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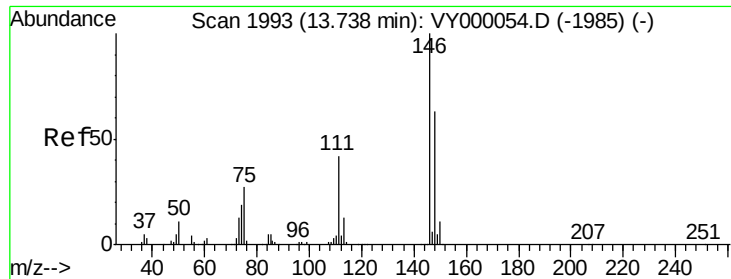
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#90
Hexachloroethane
Concen: 4.285 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.0	30.6	92.0





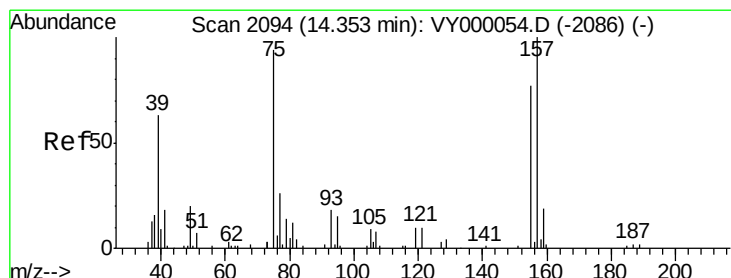
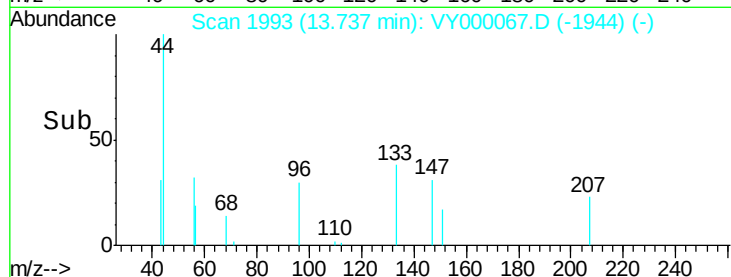
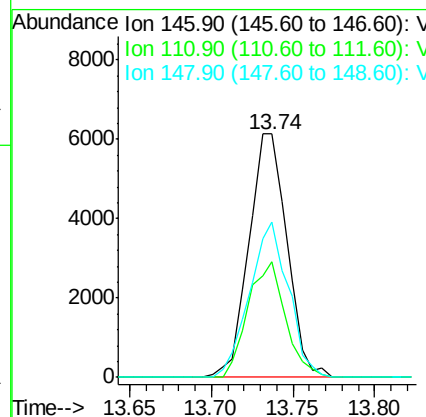
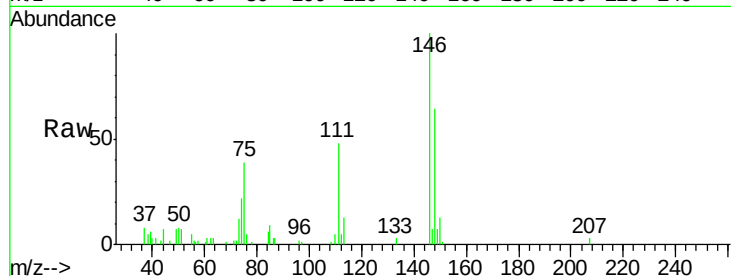
#91
 1,2-Dichlorobenzene
 Concen: 4.370 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	21.9	65.7
148	65.1	32.4	97.2

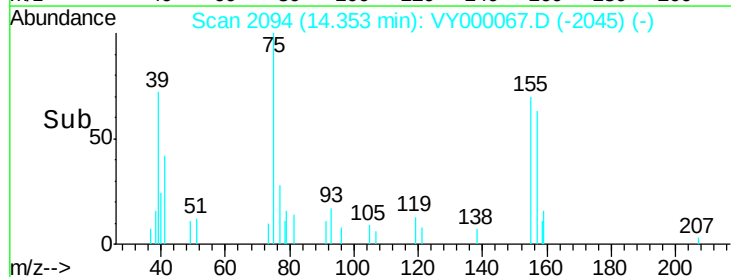
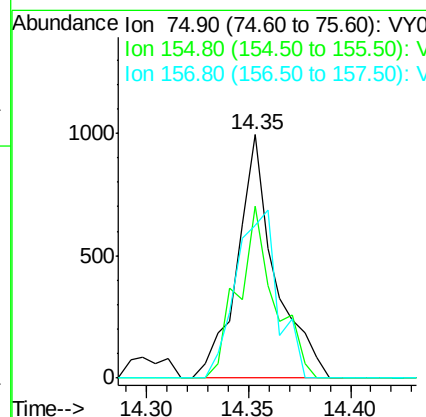
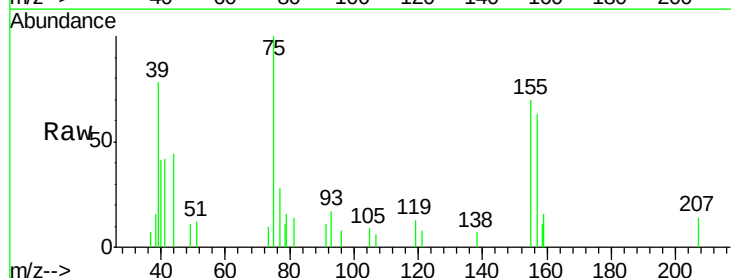
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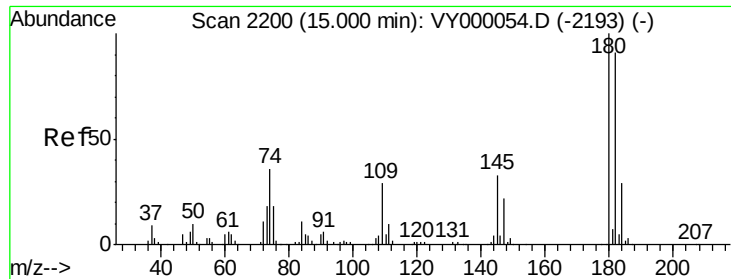
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.151 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY000067.D
 Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.4	40.6	121.7
157	77.1	52.9	158.8





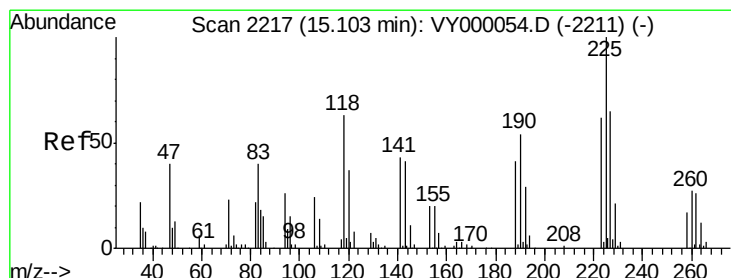
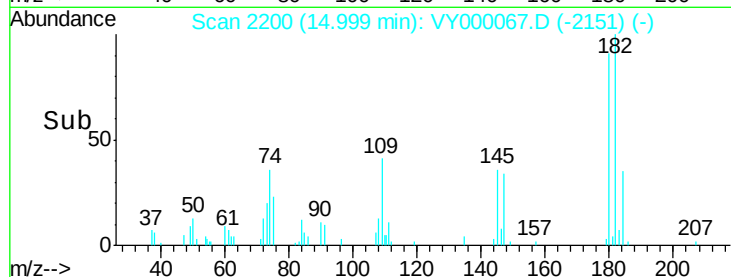
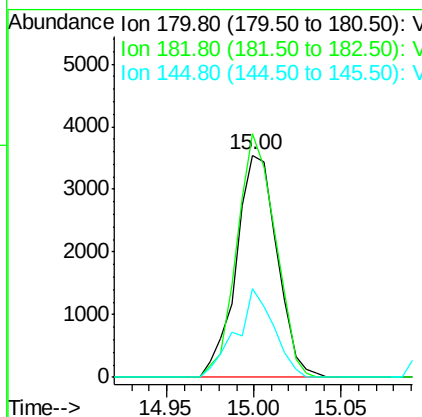
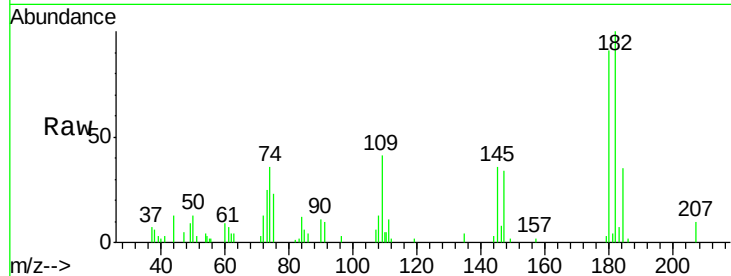
#93
1,2,4-Trichlorobenzene
Concen: 4.198 ug/l
RT: 15.00 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.6	48.5	145.6
145	36.3	17.2	51.6

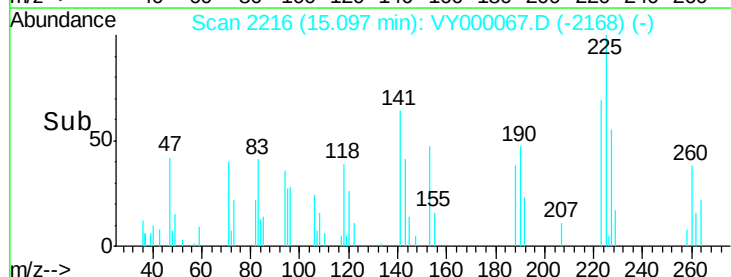
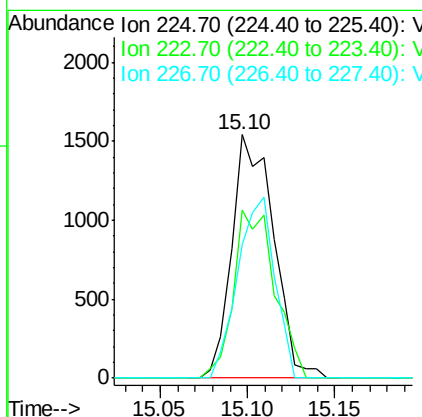
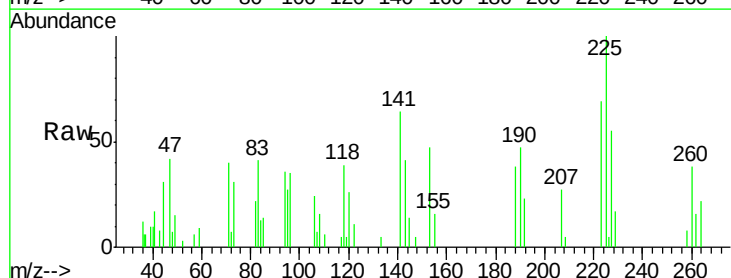
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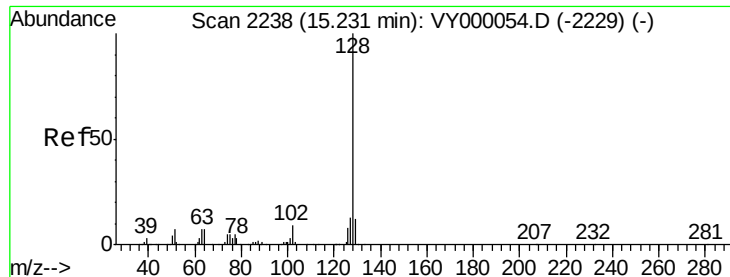
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#94
Hexachlorobutadiene
Concen: 3.874 ug/l
RT: 15.10 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.7	31.9	95.5
227	66.0	30.6	91.6





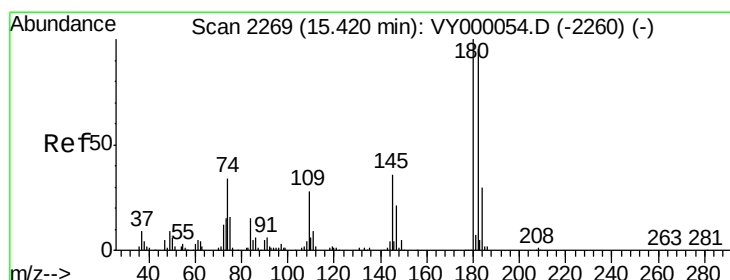
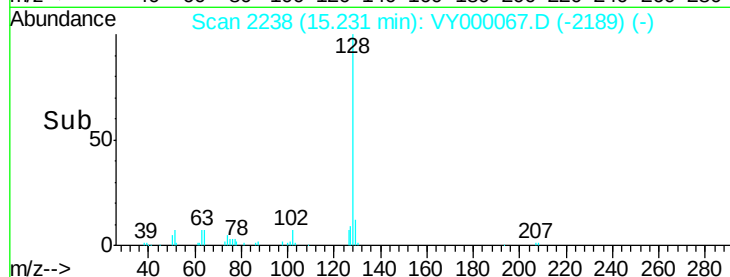
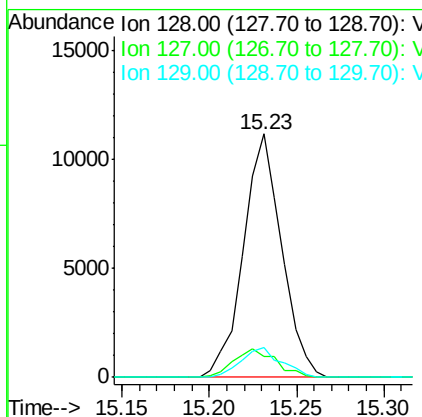
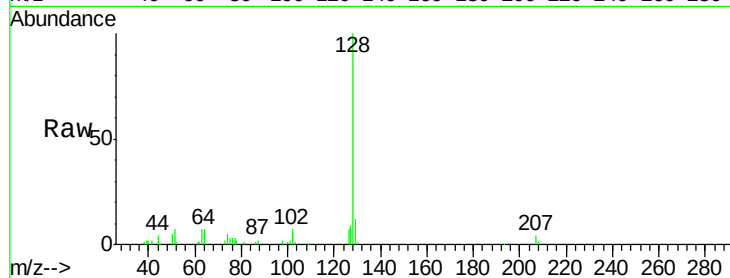
#95
Naphthalene
Concen: 4.347 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Resp	Lower	Upper
128	100	16994		
127	13.1		10.3	15.5
129	12.7		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:39:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.052 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VY000067.D
Acq: 18 Sep 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5325		
182	92.7		47.5	142.5
145	38.5		17.4	52.2

