

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001850.D
 Acq On : 04 Mar 2020 14:02
 Operator : SY/MD
 Sample : VY0304SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Manual Integrations
 APPROVED

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 3/5/2020 1:37:18 PM

Quant Time: Mar 05 04:30:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	179941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	330936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	101281	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
35) Dibromofluoromethane	7.74	113	93860	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.19	98	396523	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.49	95	136062	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33699	20.289	ug/l	96
3) Chloromethane	2.13	50	47929	21.403	ug/l	98
4) Vinyl Chloride	2.26	62	47745	20.961	ug/l	97
5) Bromomethane	2.66	94	31507	20.193	ug/l	95
6) Chloroethane	2.81	64	30260	21.148	ug/l	97
7) Trichlorofluoromethane	3.14	101	63424	20.531	ug/l	98
8) Diethyl Ether	3.55	74	25592	21.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40693	20.480	ug/l	99
10) Methyl Iodide	4.11	142	45492	19.798	ug/l	100
11) Tert butyl alcohol	4.99	59	26206	119.284	ug/l #	87
12) 1,1-Dichloroethene	3.89	96	41961	20.974	ug/l	97
13) Acrolein	3.75	56	29044	107.592	ug/l	96
14) Allyl chloride	4.50	41	75190	21.200	ug/l	99
15) Acrylonitrile	5.19	53	68642	105.504	ug/l	100
16) Acetone	3.97	43	57856	103.405	ug/l	99
17) Carbon Disulfide	4.22	76	138659	20.617	ug/l	99
18) Methyl Acetate	4.50	43	29246	20.343	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	114635	21.144	ug/l	96
20) Methylene Chloride	4.74	84	49575	20.674	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	47569	20.948	ug/l	98
22) Diisopropyl ether	6.14	45	153172	21.069	ug/l	96
23) Vinyl Acetate	6.09	43	502164	105.362	ug/l	100
24) 1,1-Dichloroethane	6.05	63	81881	20.798	ug/l	97
25) 2-Butanone	7.01	43	88946	104.537	ug/l	100
26) 2,2-Dichloropropane	7.00	77	67688	20.947	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	51281	20.761	ug/l	99
28) Bromochloromethane	7.36	49	35670	20.101	ug/l	100
29) Tetrahydrofuran	7.36	42	58174	102.958	ug/l	98
30) Chloroform	7.53	83	75382	20.379	ug/l	96
31) Cyclohexane	7.80	56	85971	20.366	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	65347	20.961	ug/l	99
36) 1,1-Dichloropropene	7.94	75	64711	20.320	ug/l	98
37) Ethyl Acetate	7.10	43	38411	20.753	ug/l	99
38) Carbon Tetrachloride	7.92	117	55847	20.528	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	86545	20.490	ug/l	98
40) Benzene	8.18	78	192312	20.374	ug/l	99
41) Methacrylonitrile	7.34	41	17218m	20.670	ug/l	
42) 1,2-Dichloroethane	8.25	62	51460	21.157	ug/l	100
43) Isopropyl Acetate	8.29	43	71653	20.447	ug/l	100
44) Trichloroethene	8.96	130	46427	20.196	ug/l	95
45) 1,2-Dichloropropane	9.23	63	48563	20.466	ug/l	99
46) Dibromomethane	9.32	93	24749	20.240	ug/l	100
47) Bromodichloromethane	9.51	83	58140	20.440	ug/l	98
48) Methyl methacrylate	9.30	41	32314	20.781	ug/l	96
49) 1,4-Dioxane	9.31	88	6968	415.871	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	184365	102.144	ug/l	99
52) Toluene	10.25	92	118994	20.752	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	63217	20.399	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	75009	20.332	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	36412	20.347	ug/l	99
56) Ethyl methacrylate	10.52	69	53485	20.391	ug/l	96
57) 1,3-Dichloropropane	10.80	76	65479	20.527	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	133029	129.596	ug/l	100
59) 2-Hexanone	10.85	43	134095	104.088	ug/l	98
60) Dibromochloromethane	10.99	129	38172	20.243	ug/l	100
61) 1,2-Dibromoethane	11.10	107	34338	20.257	ug/l	100
64) Tetrachloroethene	10.73	164	37812	20.544	ug/l	94
65) Chlorobenzene	11.53	112	120960	20.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	40192	20.959	ug/l	99
67) Ethyl Benzene	11.60	91	224665	20.600	ug/l	99
68) m/p-Xylenes	11.71	106	167414	41.520	ug/l	99
69) o-Xylene	12.04	106	78792	20.733	ug/l	100
70) Styrene	12.05	104	136402	20.956	ug/l	100
71) Bromoform	12.22	173	21361	20.540	ug/l	# 99
73) Isopropylbenzene	12.34	105	211703	20.330	ug/l	99
74) N-amyl acetate	12.15	43	66151	20.669	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	46127	20.541	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	36079m	22.290	ug/l	
77) Bromobenzene	12.62	156	44379	20.115	ug/l	100
78) n-propylbenzene	12.68	91	265597	20.674	ug/l	100
79) 2-Chlorotoluene	12.77	91	146623	20.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	177826	20.743	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16338	20.389	ug/l	97
82) 4-Chlorotoluene	12.86	91	152091	20.580	ug/l	99
83) tert-Butylbenzene	13.08	119	147627	20.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	175971	20.684	ug/l	99
85) sec-Butylbenzene	13.26	105	219727	20.936	ug/l	99
86) p-Isopropyltoluene	13.38	119	191326	21.133	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	90010	20.819	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89877	20.492	ug/l	97
89) n-Butylbenzene	13.70	91	198090	21.089	ug/l	99
90) Hexachloroethane	13.97	117	35245	20.636	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	81531	20.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7282	20.781	ug/l	96

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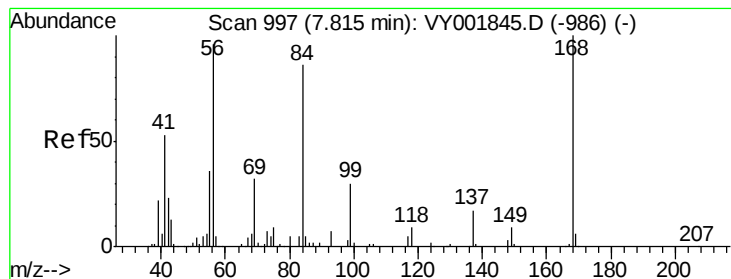
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54356	21.340	ug/l	99
94) Hexachlorobutadiene	15.12	225	25827	20.797	ug/l	100
95) Naphthalene	15.25	128	124642	20.630	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	47006	20.948	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:168 Resp: 179941

Ion Ratio Lower Upper

168 100

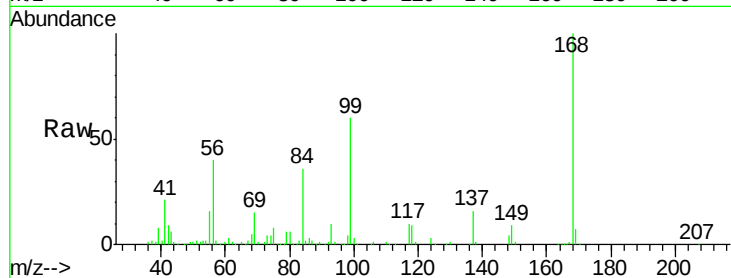
99 59.6 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

80000

60000

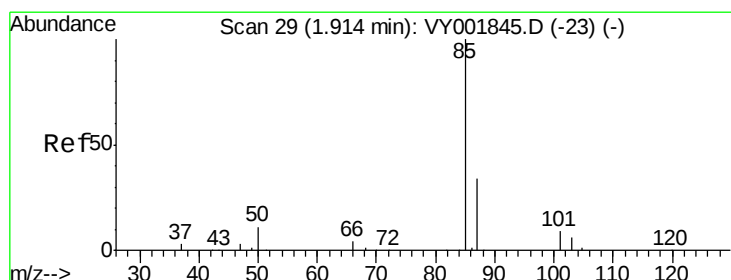
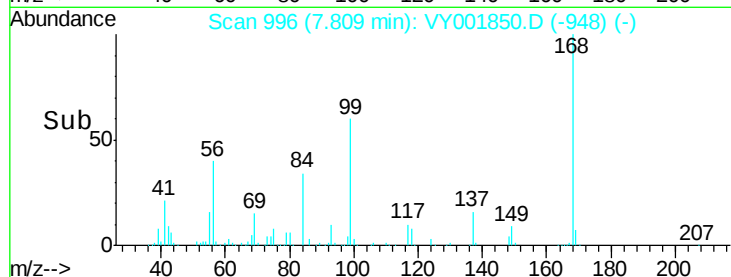
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.289 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001850.D

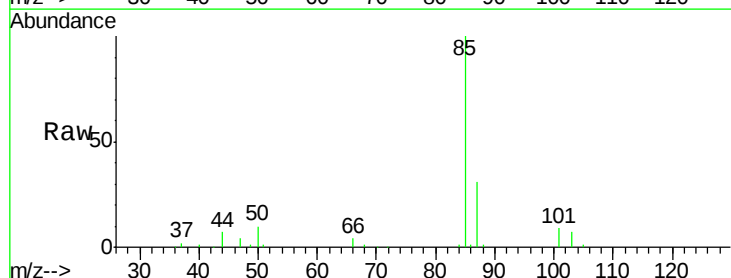
Acq: 04 Mar 2020 14:02

Tgt Ion: 85 Resp: 33699

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

25000

20000

15000

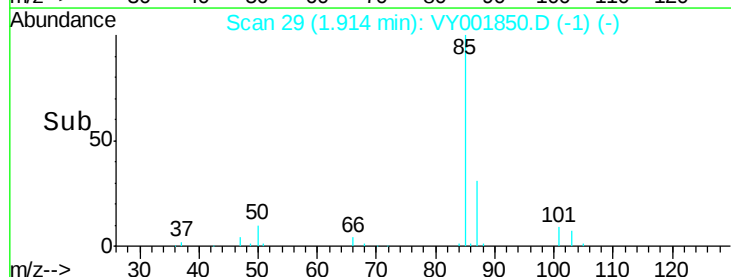
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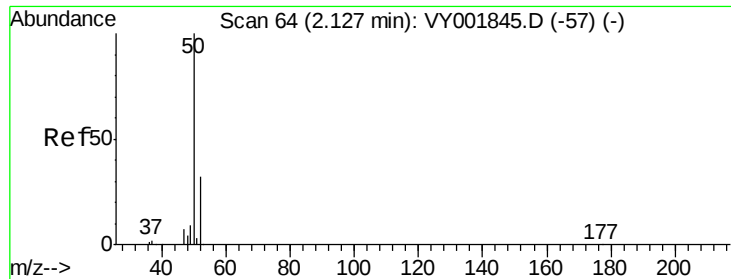
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.403 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 50 Resp: 47929

Ion Ratio Lower Upper

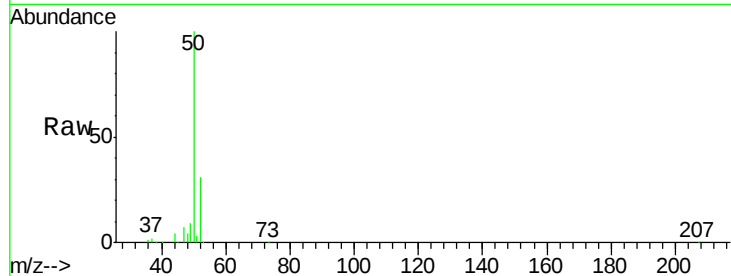
50 100

52 31.2 25.8 38.6

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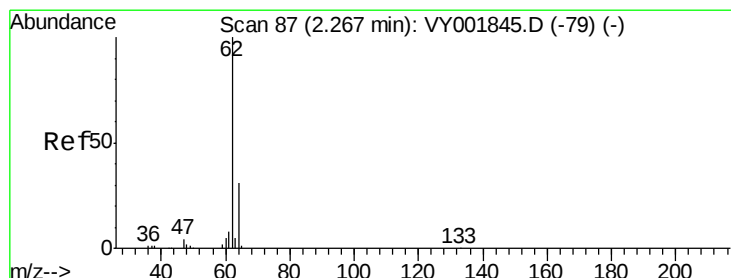
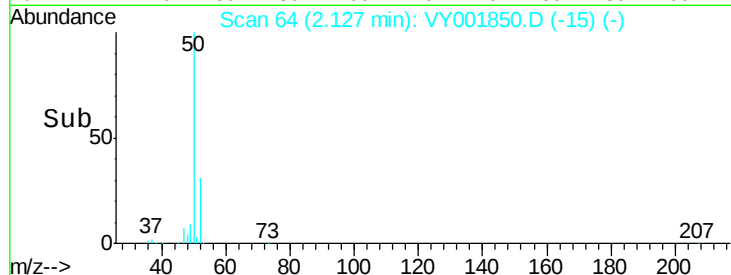
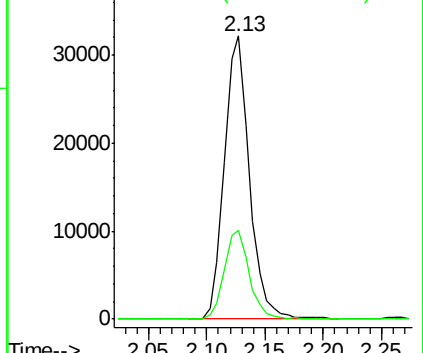
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.961 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001850.D

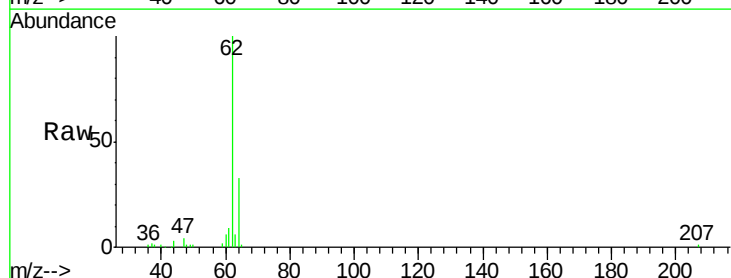
Acq: 04 Mar 2020 14:02

Tgt Ion: 62 Resp: 47745

Ion Ratio Lower Upper

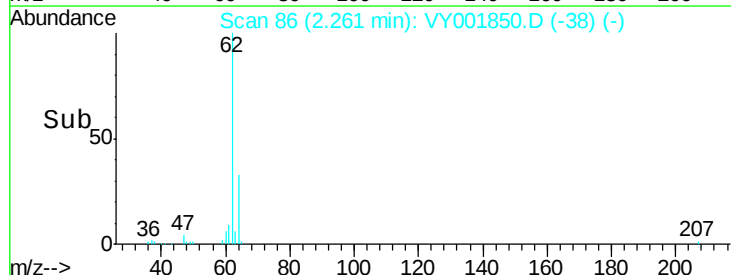
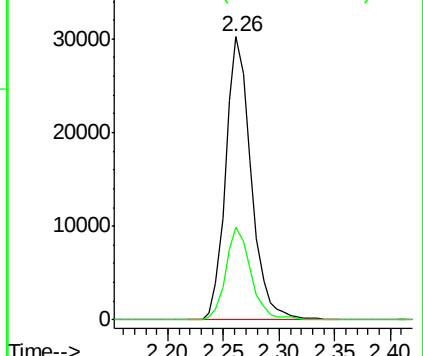
62 100

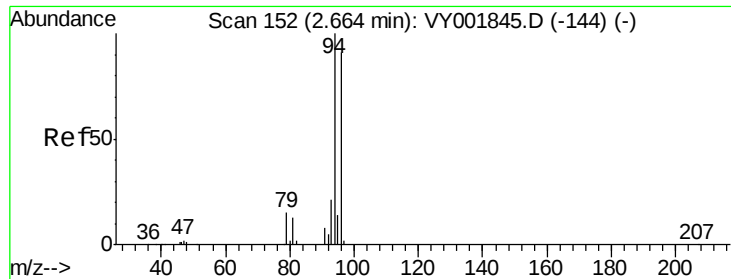
64 32.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.193 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 94 Resp: 31507

Ion Ratio Lower Upper

94 100

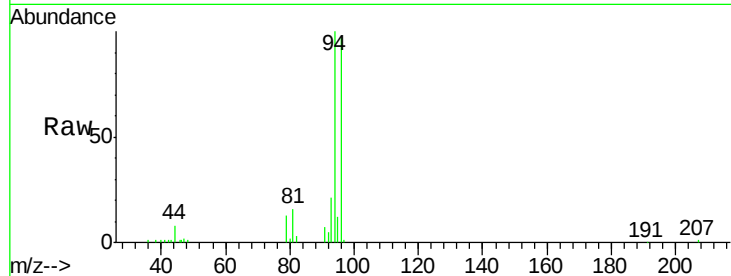
96 96.6 73.2 109.8

Manual Integrations

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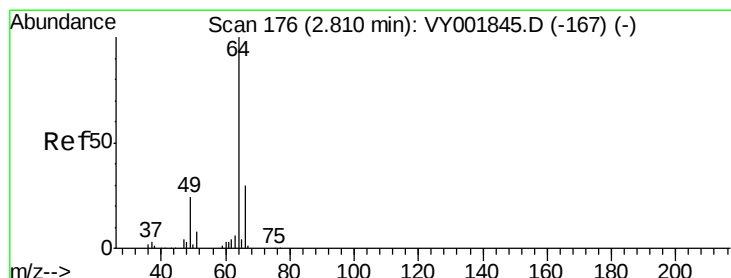
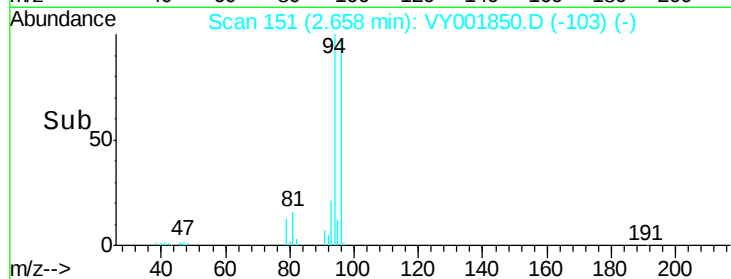
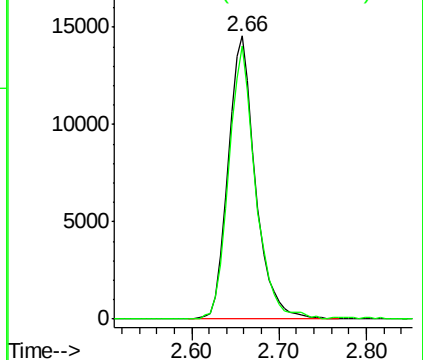
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.148 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001850.D

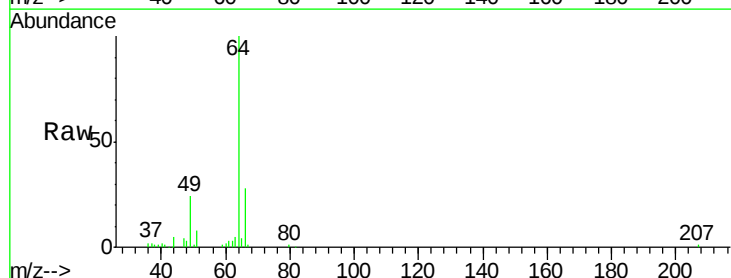
Acq: 04 Mar 2020 14:02

Tgt Ion: 64 Resp: 30260

Ion Ratio Lower Upper

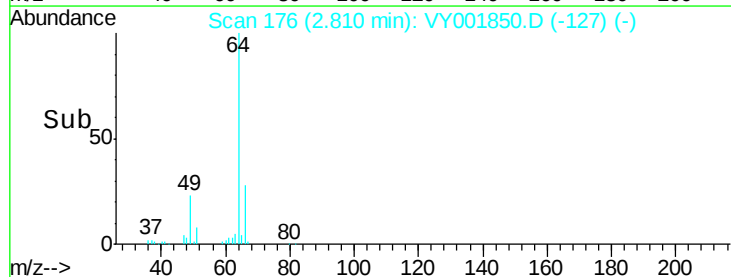
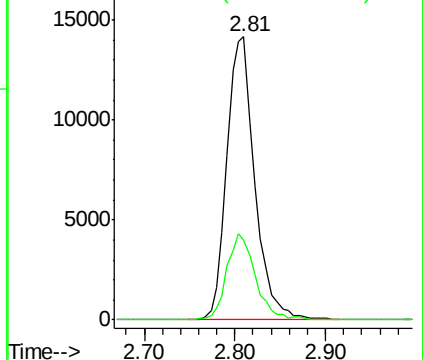
64 100

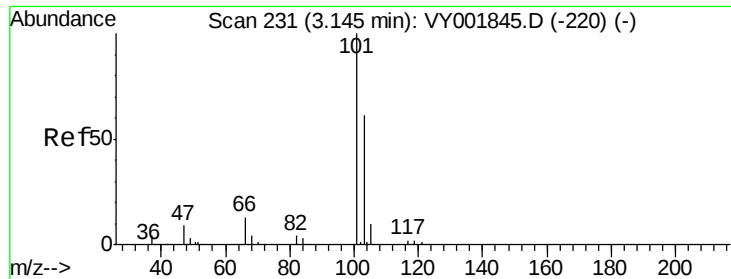
66 28.3 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

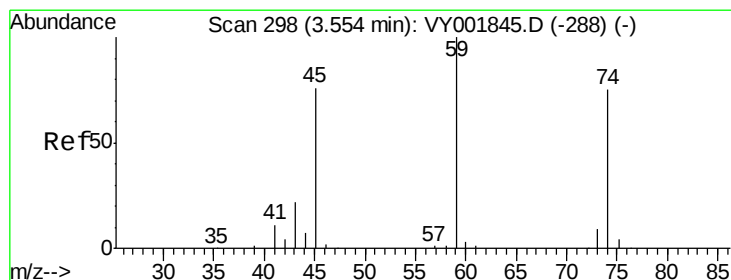
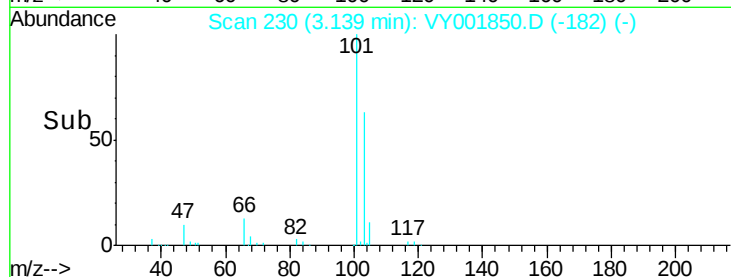
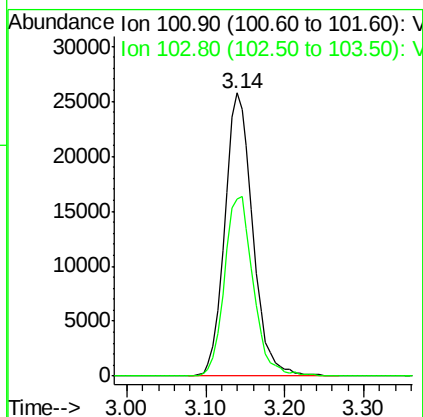
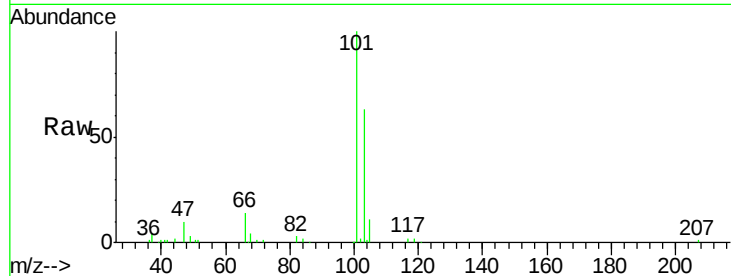
Trichlorofluoromethane
Concen: 20.531 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
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ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.1	73.7

Manual Integrations
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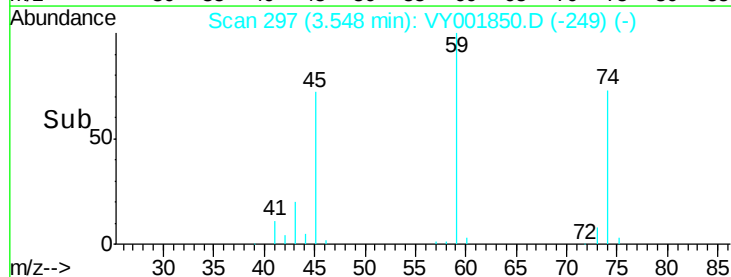
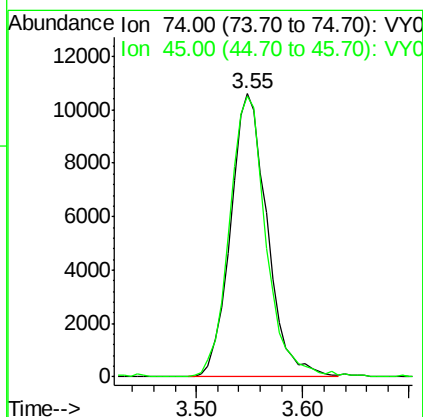
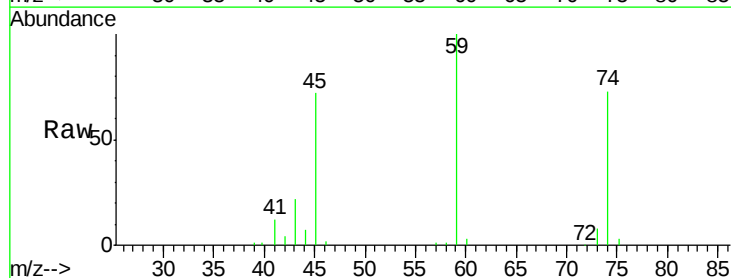
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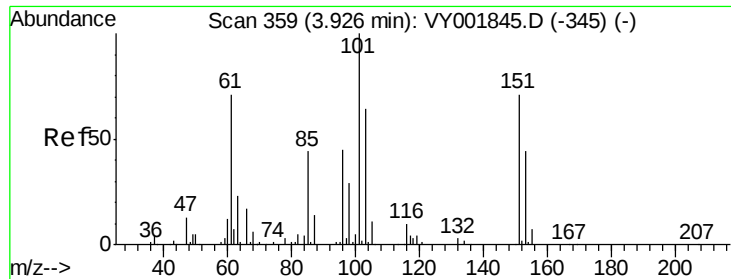


#8

Diethyl Ether
Concen: 21.019 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.480 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

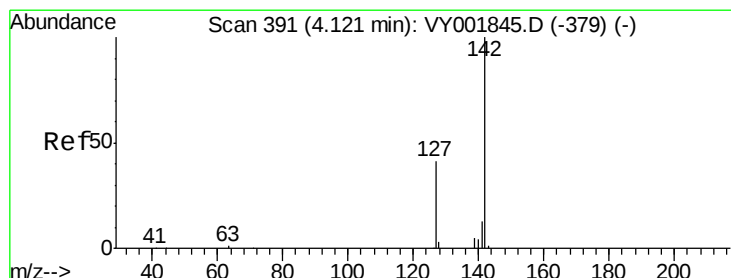
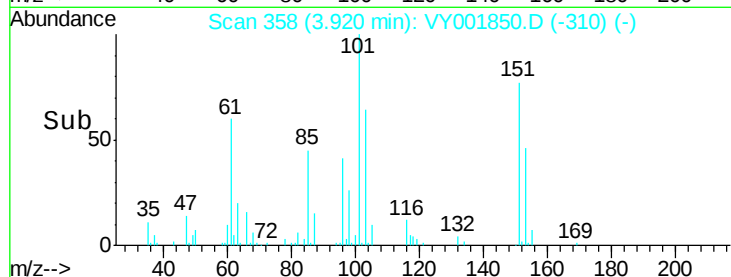
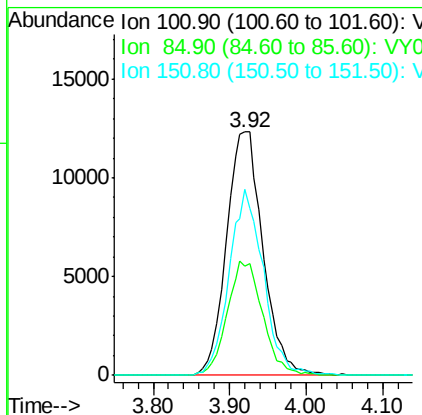
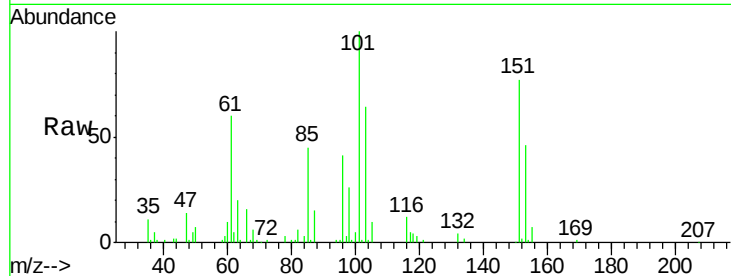
ClientSampleId :

VY0304SBS01

Tot Ion:	101	Resp:	40693
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.3	52.9
151	71.7	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.798 ug/l

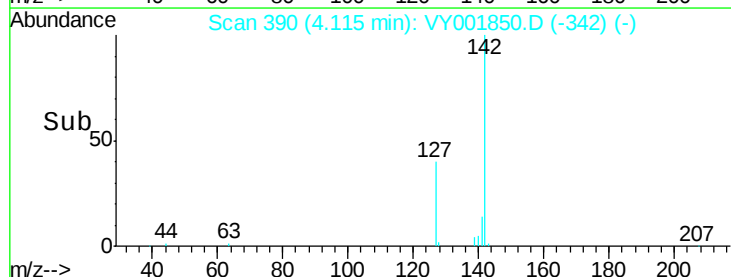
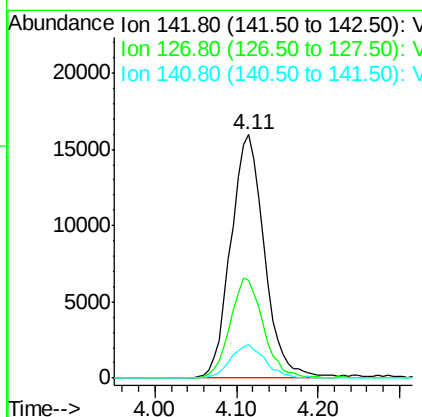
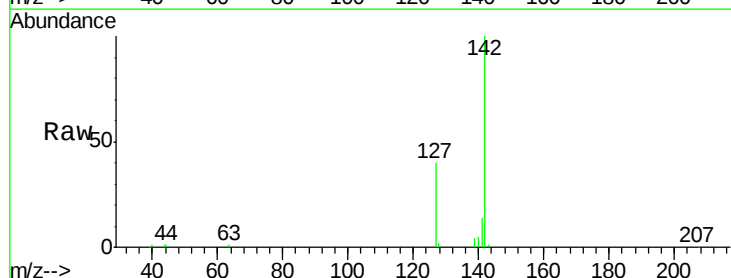
RT: 4.11 min Scan# 390

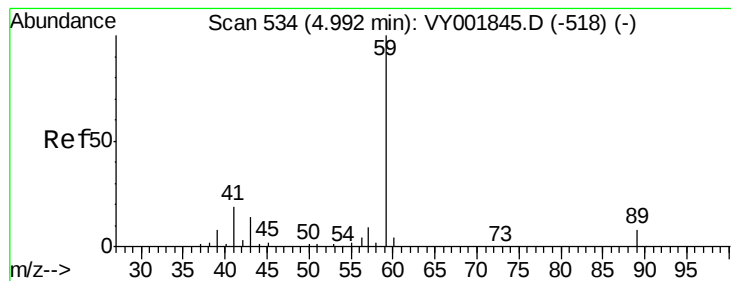
Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	142	Resp:	45492
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.7	49.1
141	13.9	11.0	16.6





#11

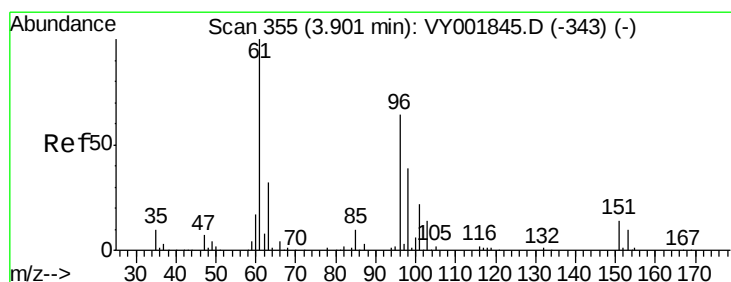
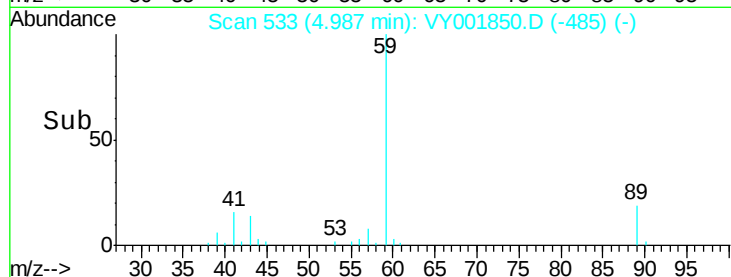
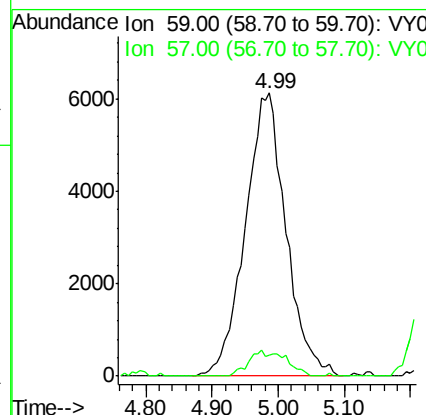
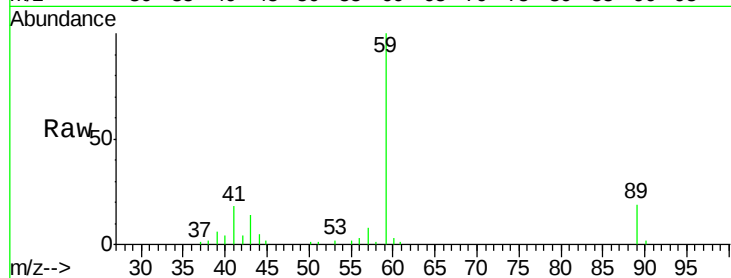
Tert butyl alcohol
 Concen: 119.284 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	7.4	11.2#

Manual Integrations
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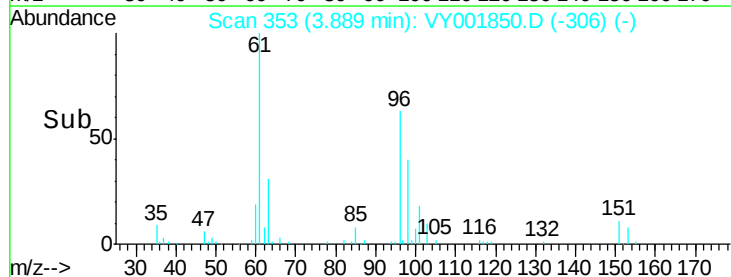
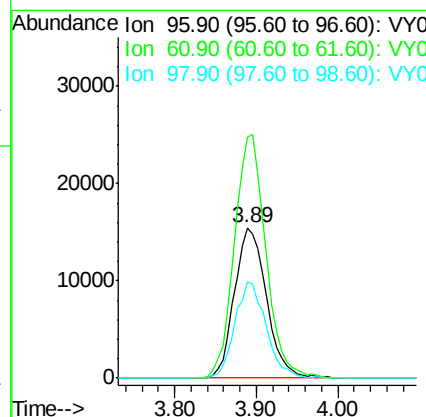
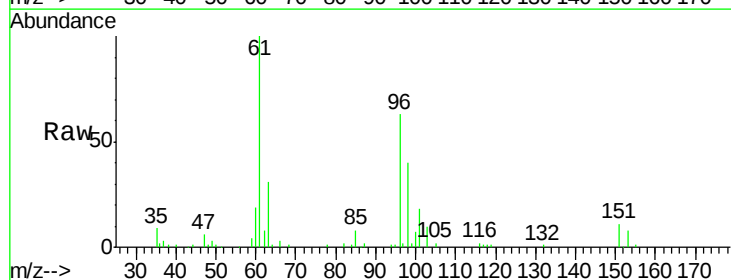
MMDadoda
 3/5/2020 1:37:18 PM

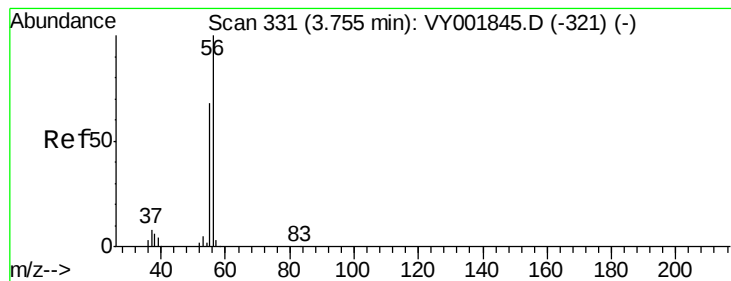


#12

1,1-Dichloroethene
 Concen: 20.974 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	124.8	187.2
98	64.1	49.2	73.8





#13

Acrolein

Concen: 107.592 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 56 Resp: 29044

Ion Ratio Lower Upper

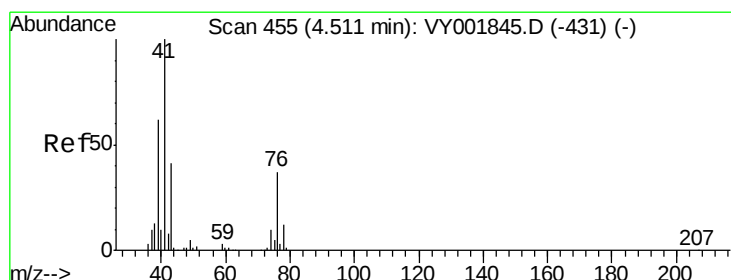
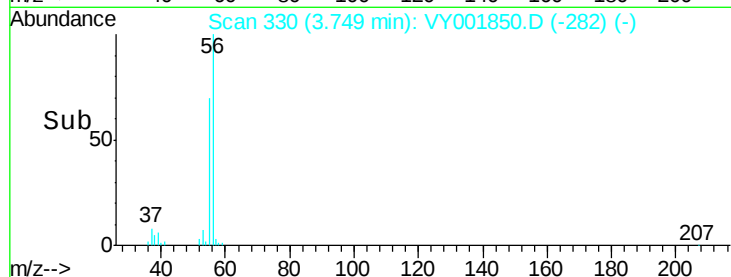
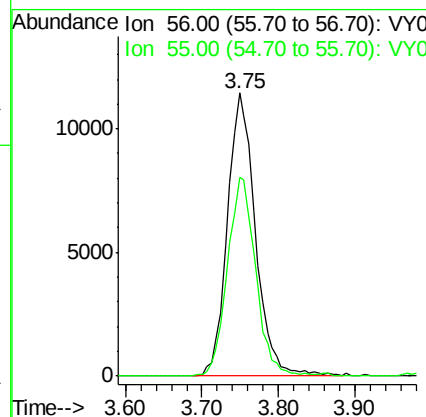
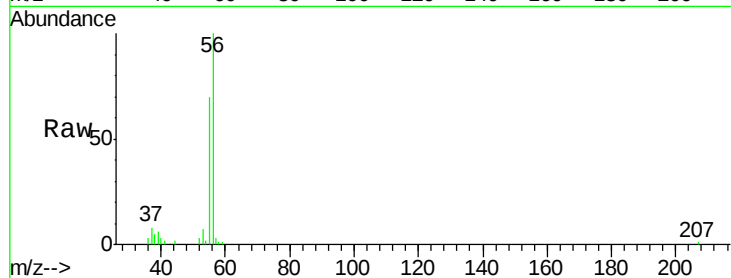
56 100

55 70.7 54.0 81.0

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 21.200 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

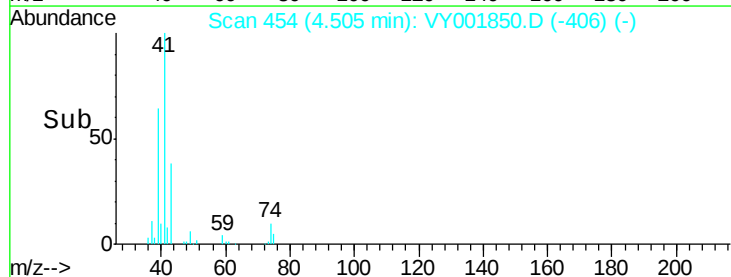
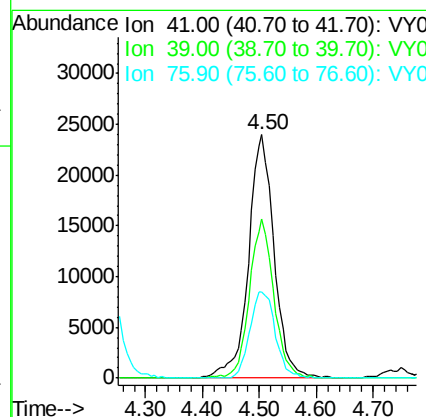
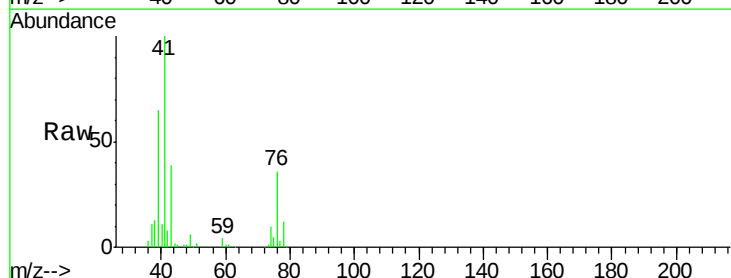
Tgt Ion: 41 Resp: 75190

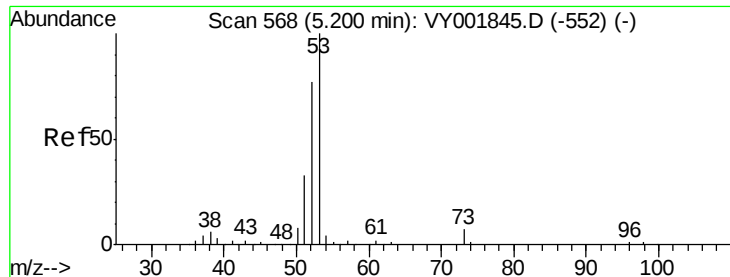
Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

76 35.3 28.9 43.3





#15

Acrylonitrile

Concen: 105.504 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

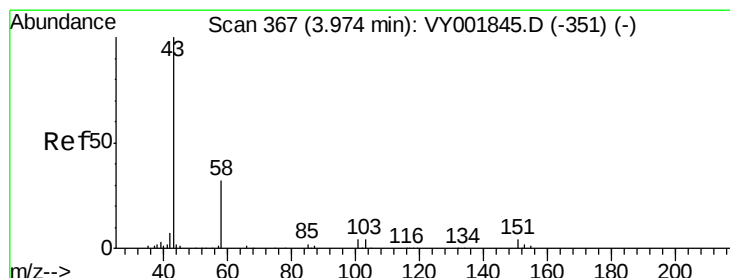
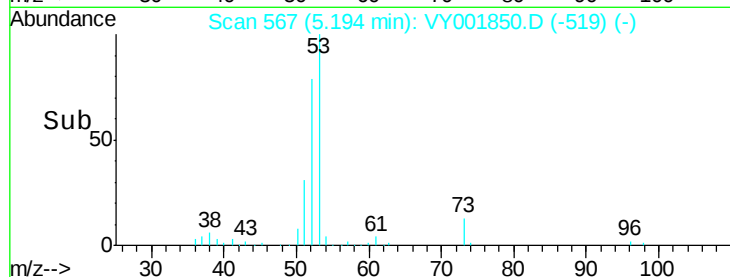
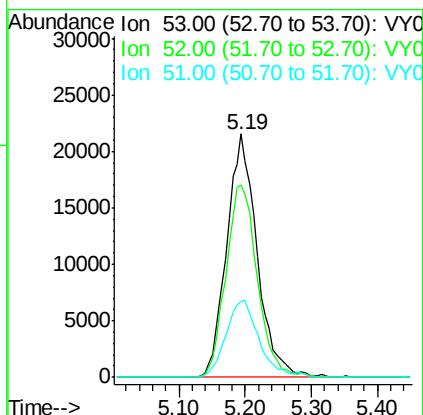
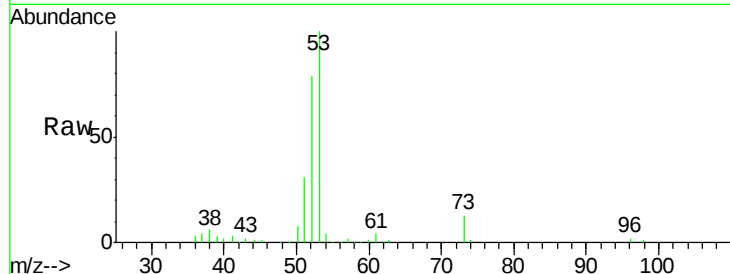
ClientSampleId :

VY0304SBS01

Tot Ion:	53	Resp:	68642
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.1	97.7
51	33.9	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 103.405 ug/l

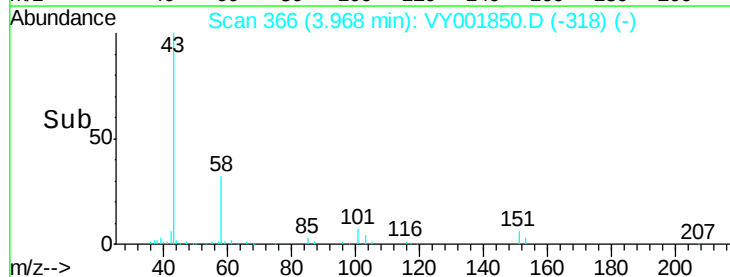
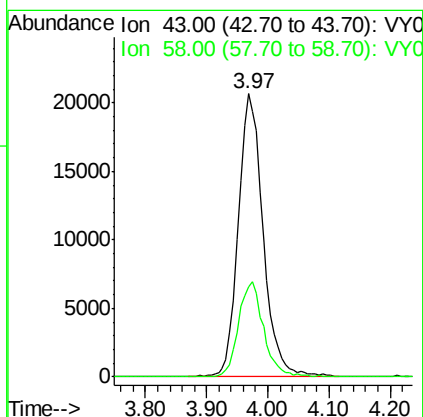
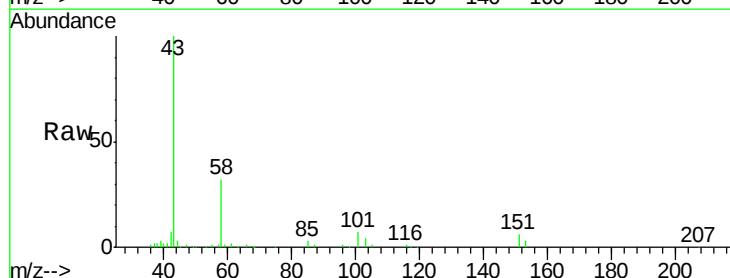
RT: 3.97 min Scan# 366

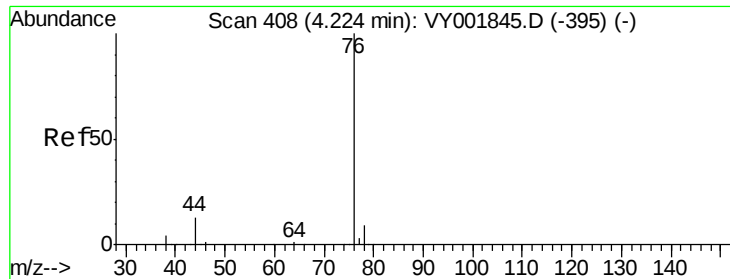
Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	43	Resp:	57856
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.9	38.9





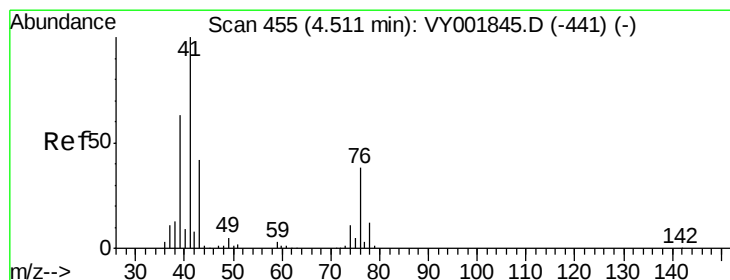
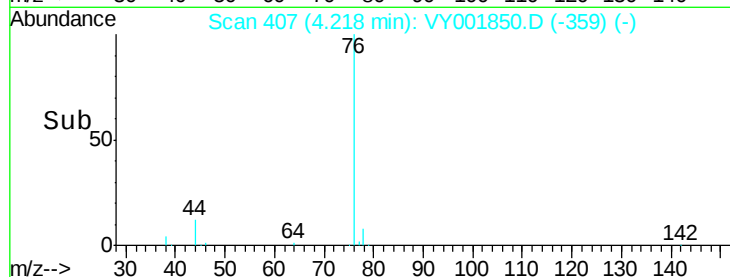
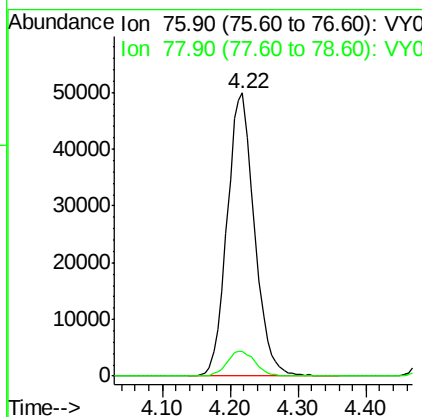
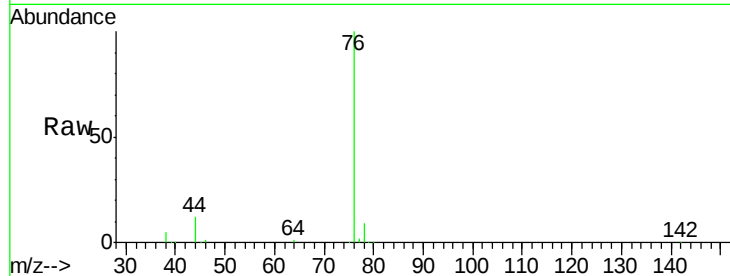
#17
Carbon Disulfide
Concen: 20.617 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

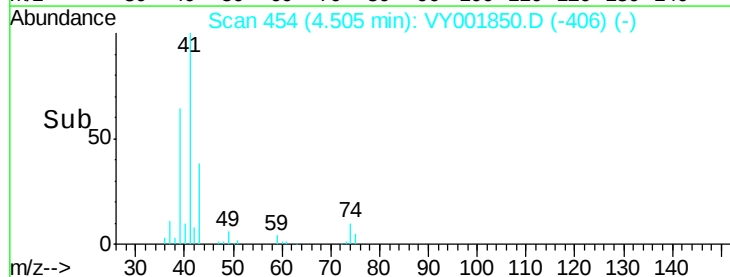
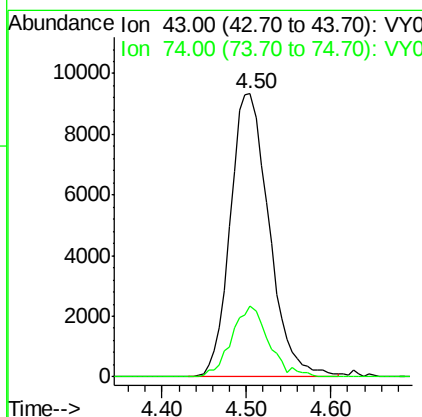
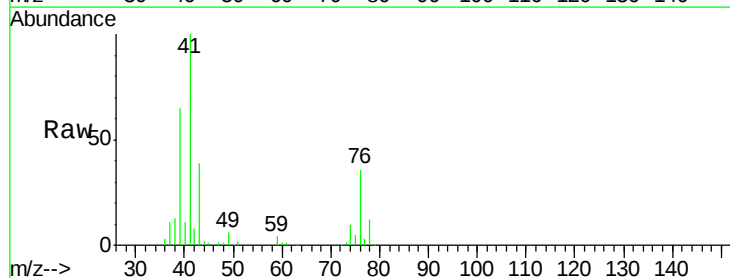
Manual Integrations
APPROVED

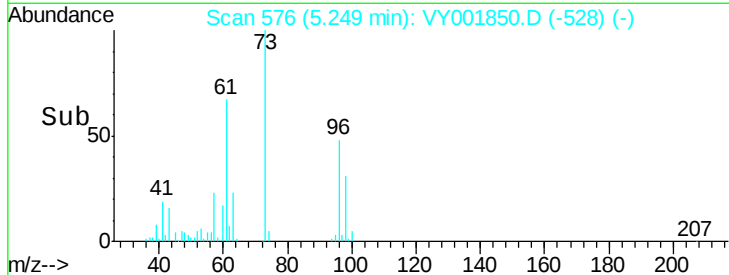
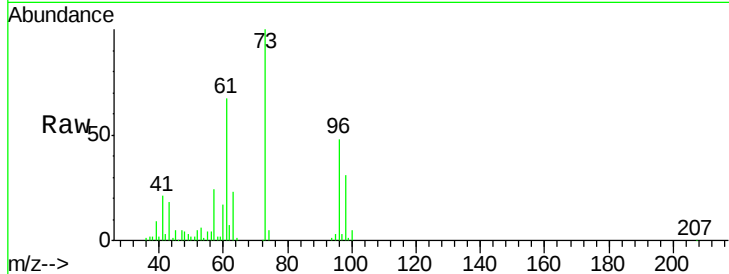
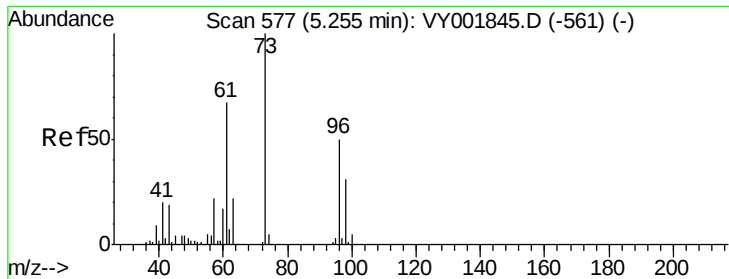
MMDadoda
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#18
Methyl Acetate
Concen: 20.343 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





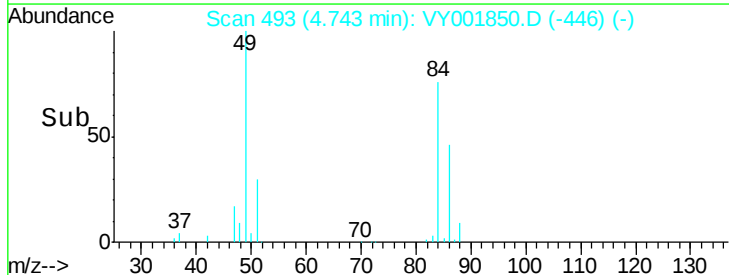
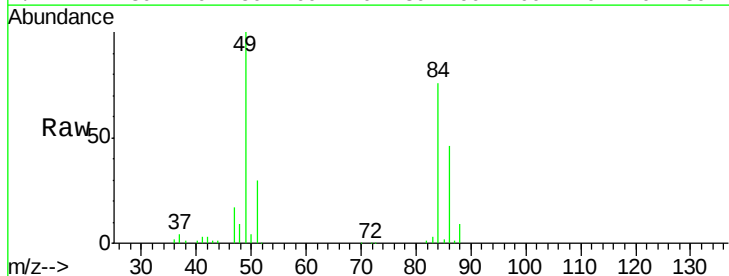
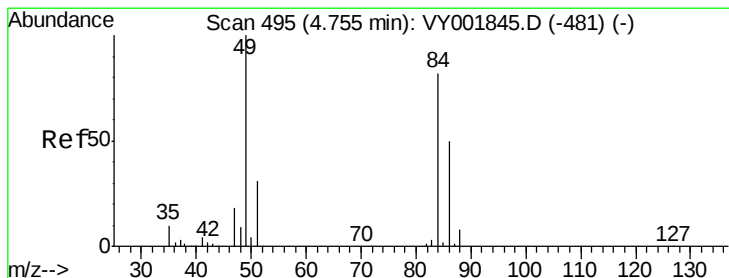
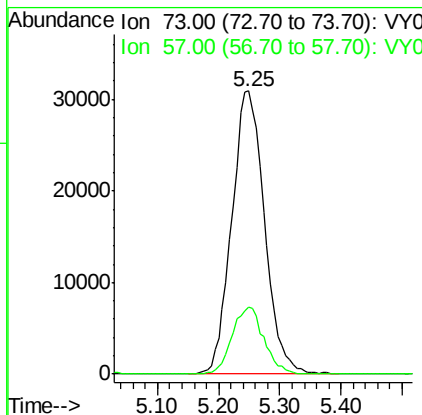
#19
Methyl tert-butyl Ether
Concen: 21.144 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tot Ion: 73 Resp: 114635
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

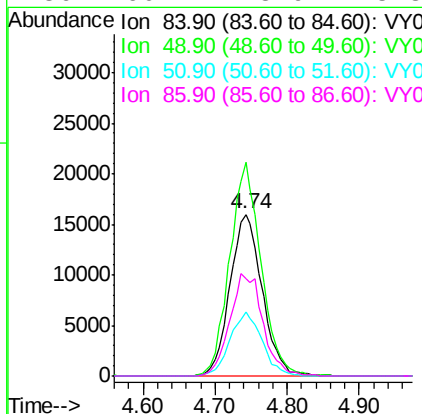
Manual Integrations
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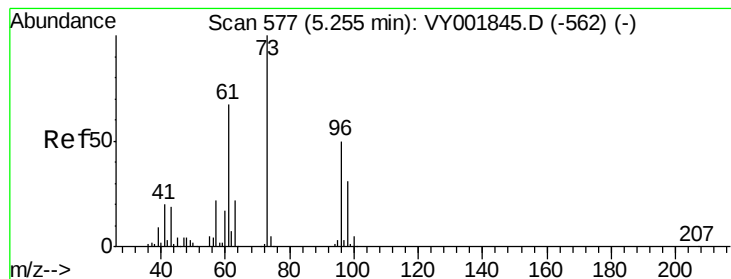
MMDadoda
3/5/2020 1:37:18 PM



#20
Methylene Chloride
Concen: 20.674 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion: 84 Resp: 49575
Ion Ratio Lower Upper
84 100
49 131.9 98.2 147.2
51 39.7 30.2 45.2
86 60.4 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.948 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 96 Resp: 47569

Ion Ratio Lower Upper

96 100

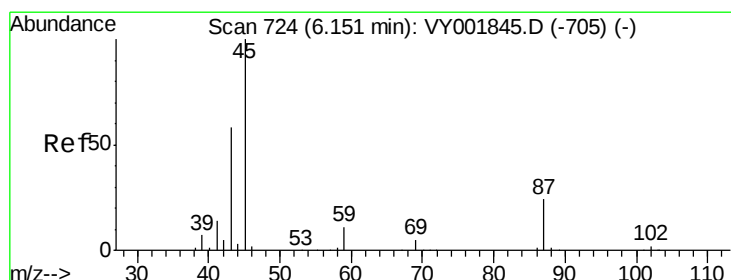
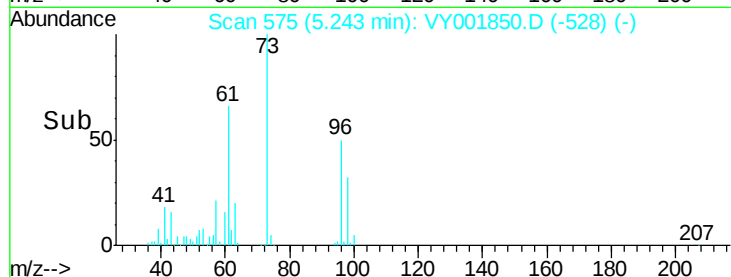
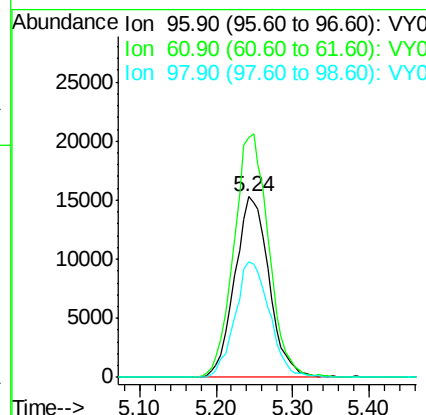
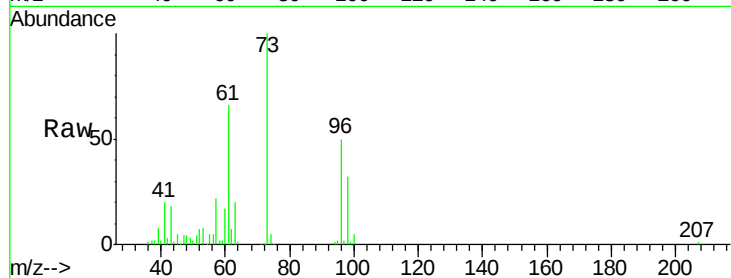
61 133.1 107.7 161.5

98 63.9 49.3 73.9

Manual Integrations
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3/5/2020 1:37:18 PM



#22

Diisopropyl ether

Concen: 21.069 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion: 45 Resp: 153172

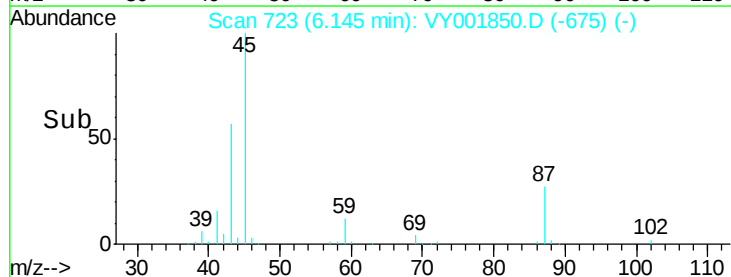
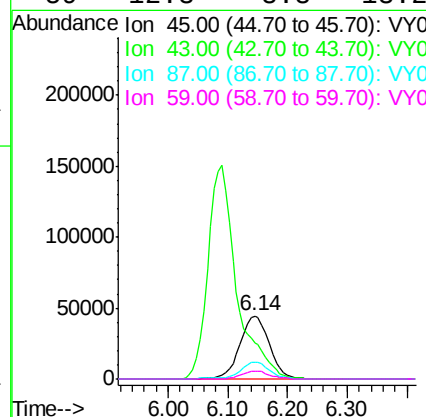
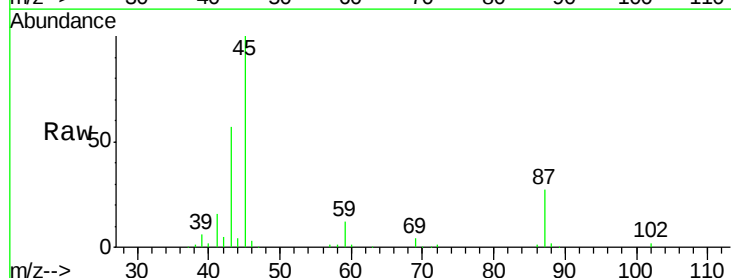
Ion Ratio Lower Upper

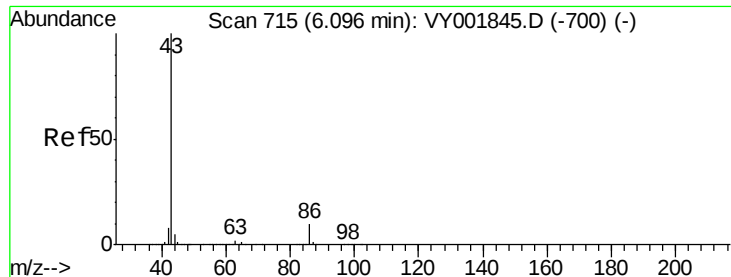
45 100

43 56.3 47.2 70.8

87 27.2 19.8 29.8

59 12.3 8.8 13.2





#23

Vinyl Acetate

Concen: 105.362 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 43 Resp: 502164

Ion Ratio Lower Upper

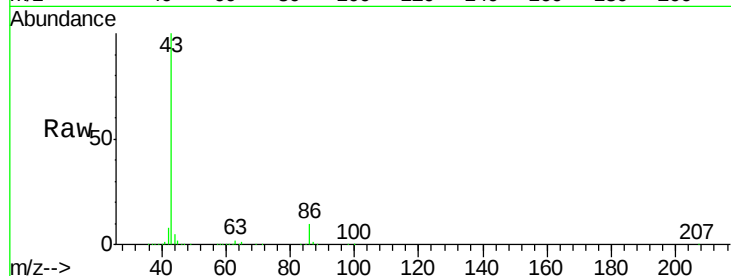
43 100

86 9.8 7.8 11.8

Manual Integrations
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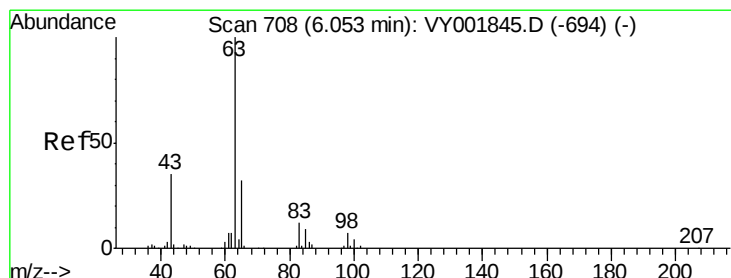
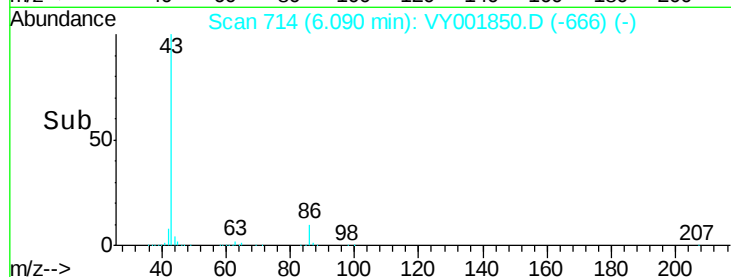
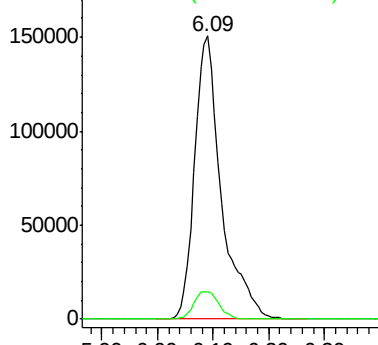
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.798 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

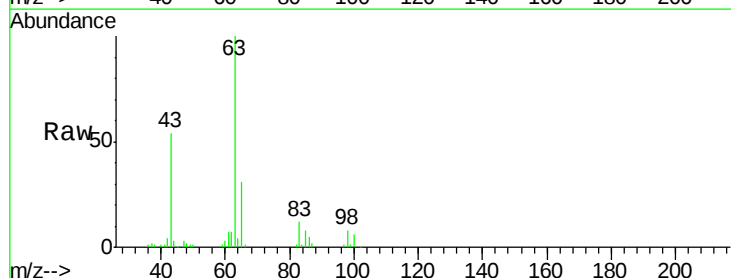
Tgt Ion: 63 Resp: 81881

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

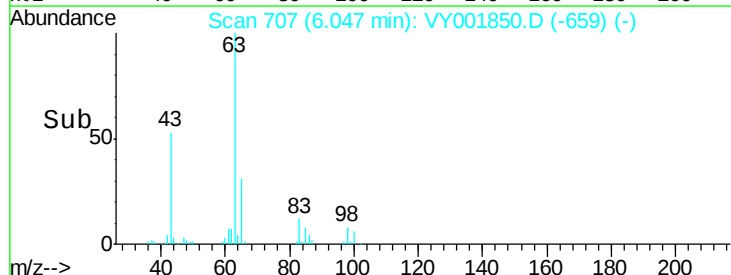
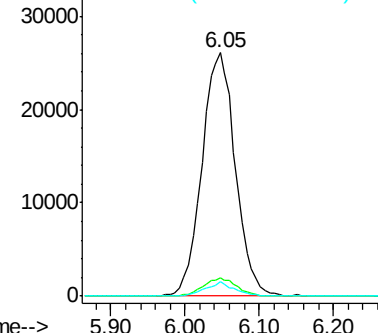
100 5.7 2.0 6.0

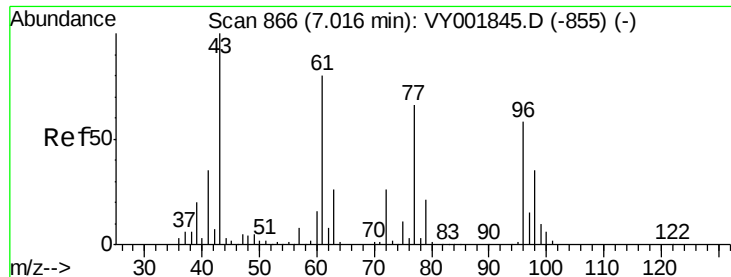


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 104.537 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 43 Resp: 88946

Ion Ratio Lower Upper

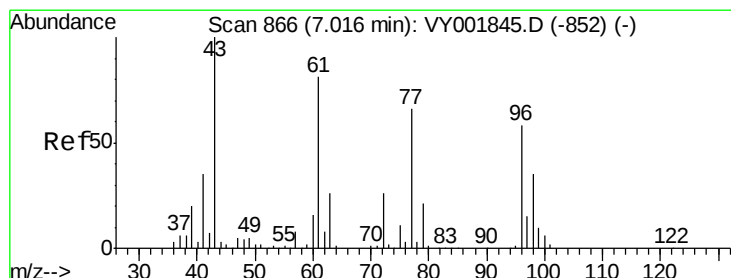
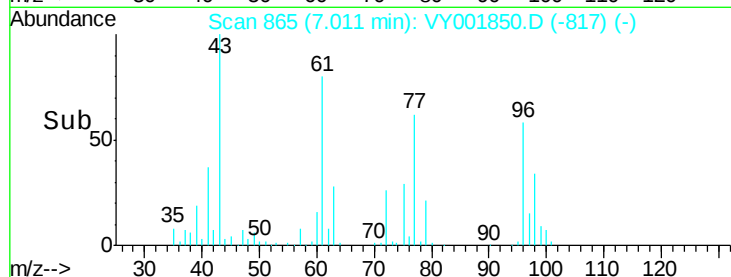
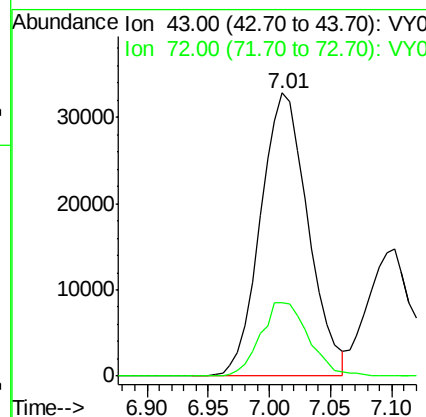
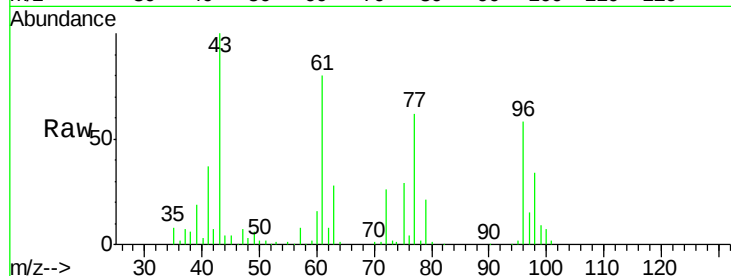
43 100

72 26.0 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 20.947 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001850.D

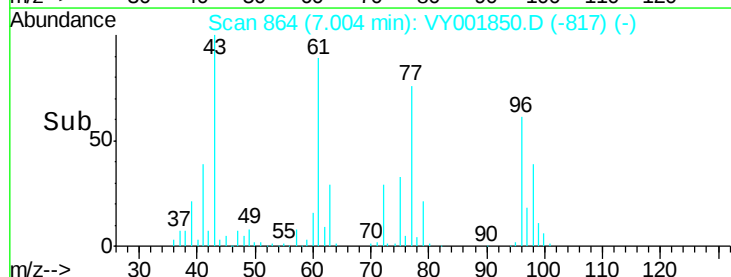
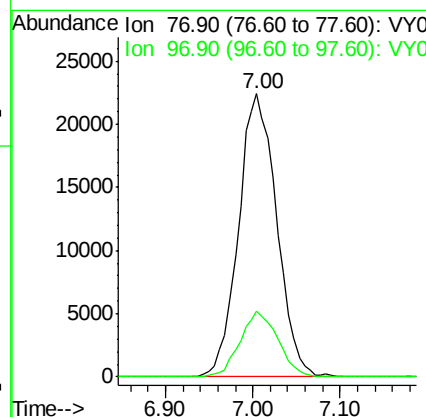
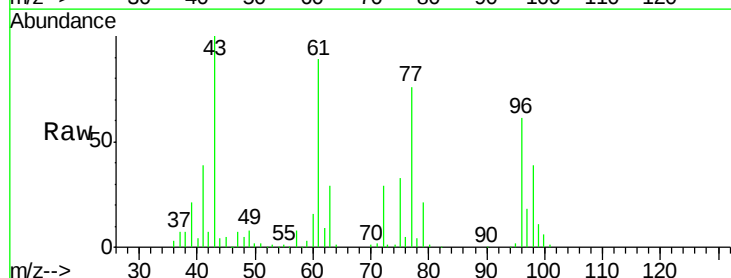
Acq: 04 Mar 2020 14:02

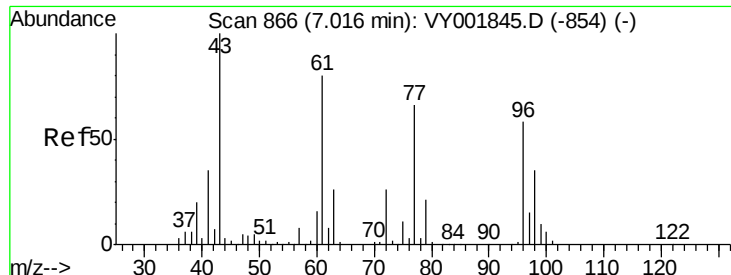
Tgt Ion: 77 Resp: 67688

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.7





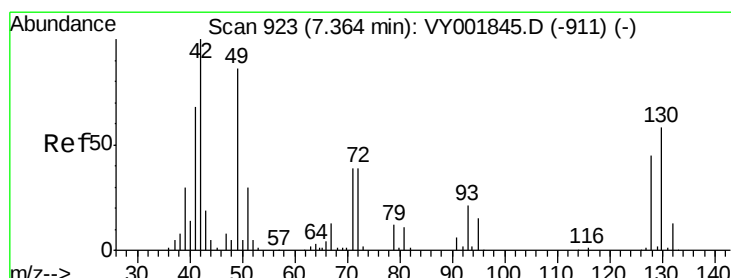
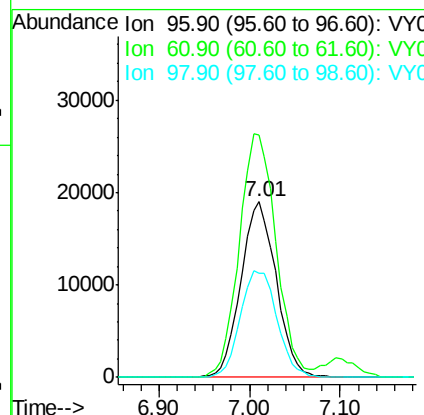
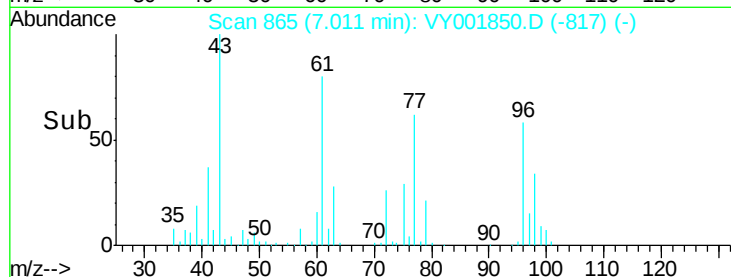
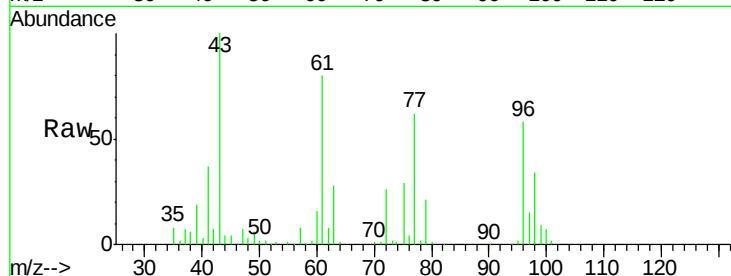
#27
 cis-1,2-Dichloroethene
 Concen: 20.761 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	288.2
98	63.2	0.0	129.0

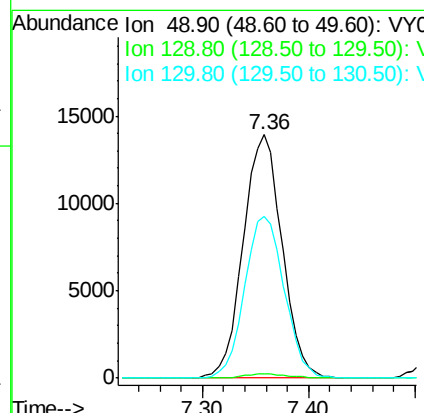
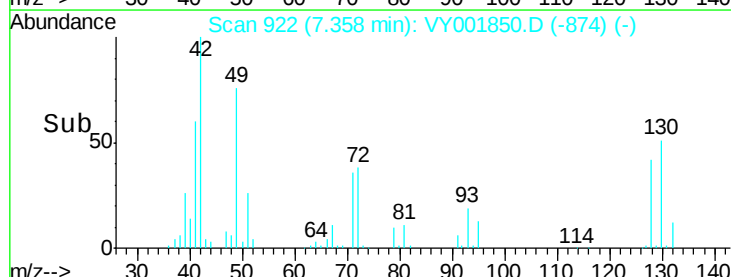
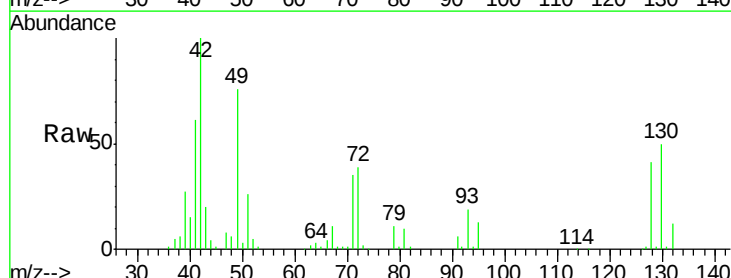
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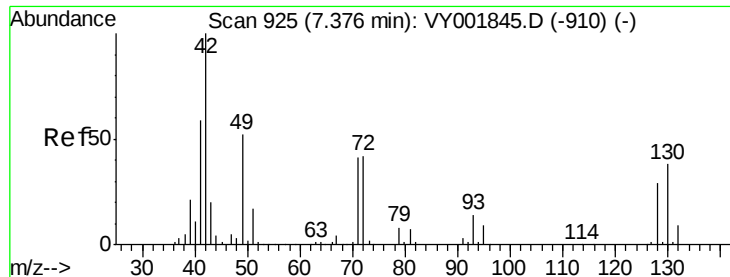
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#28
 Bromochloromethane
 Concen: 20.101 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	67.8	54.4	81.6





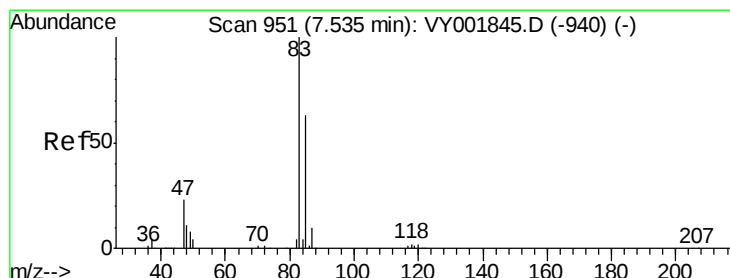
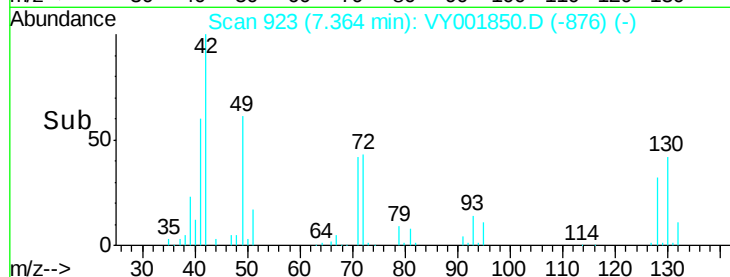
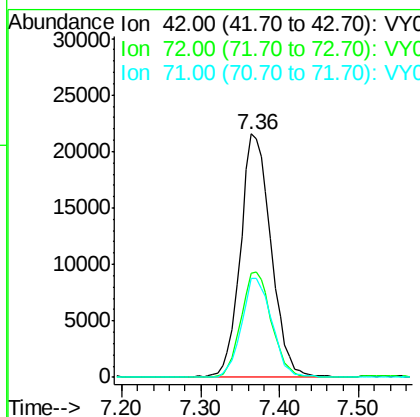
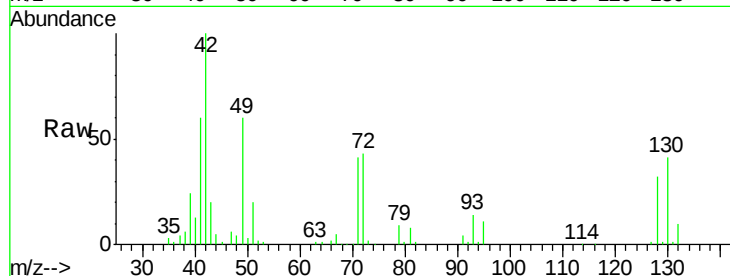
#29
Tetrahydrofuran
Concen: 102.958 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.5	50.3
71	40.1	31.3	46.9

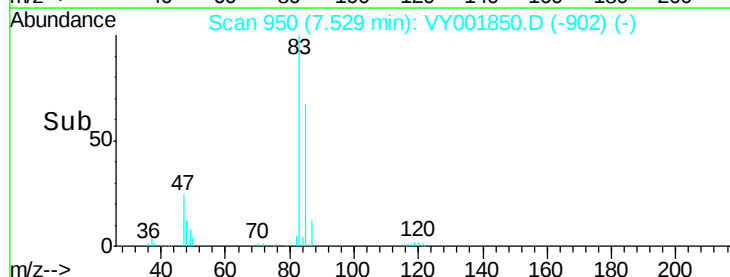
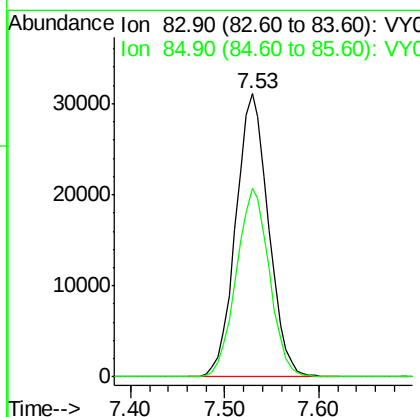
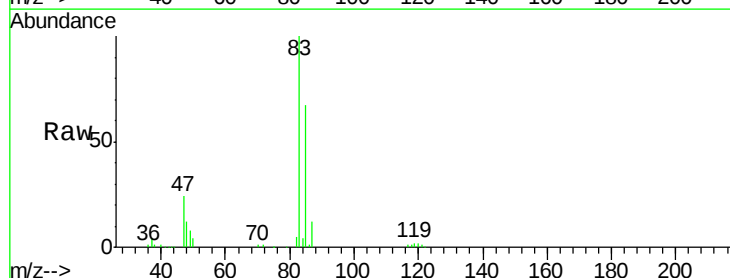
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#30
Chloroform
Concen: 20.379 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.7	76.1





#31

Cyclohexane

Concen: 20.366 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 56 Resp: 85971

Ion Ratio Lower Upper

56 100

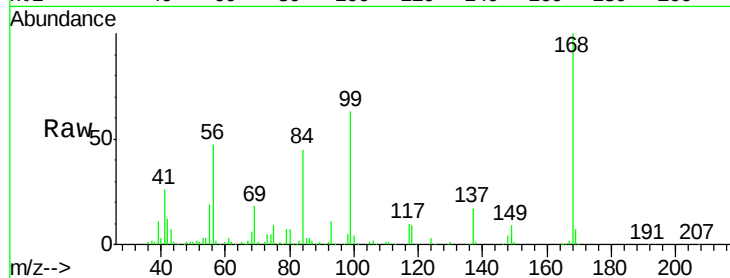
69 38.2 26.7 40.1

84 93.7 70.4 105.6

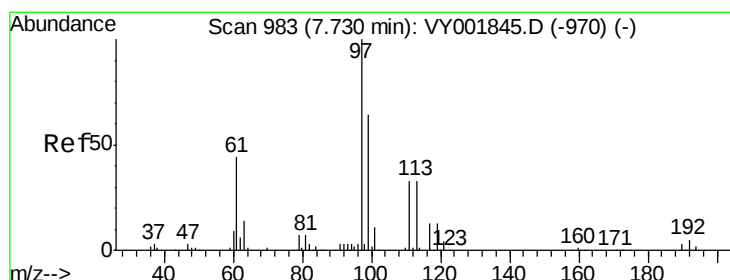
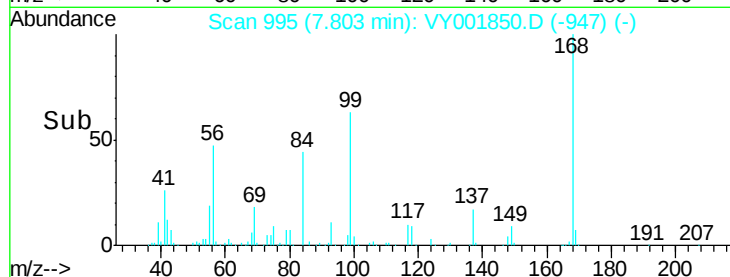
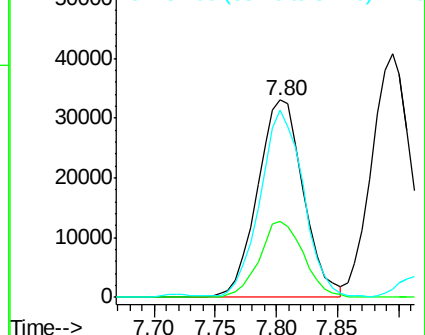
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.961 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

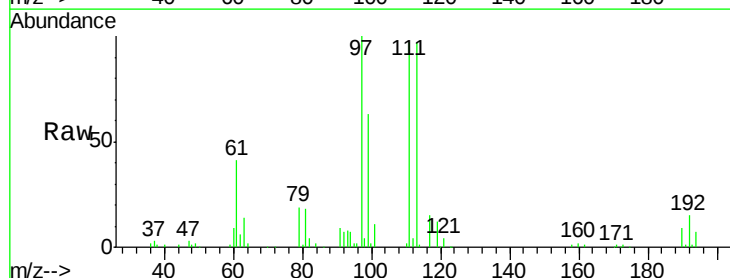
Tgt Ion: 97 Resp: 65347

Ion Ratio Lower Upper

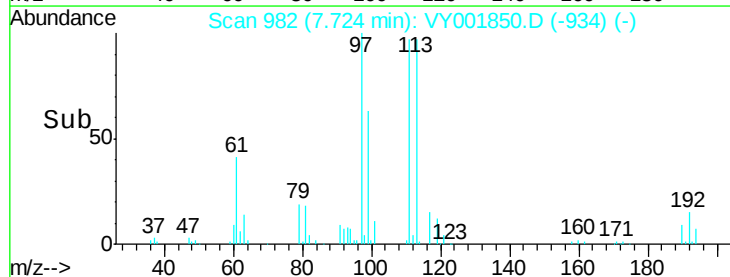
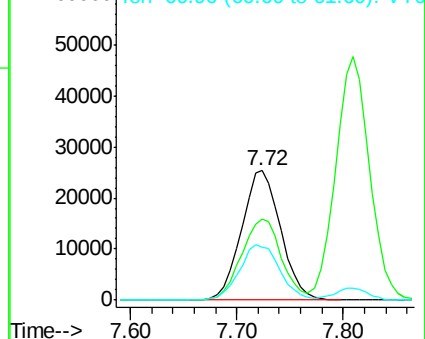
97 100

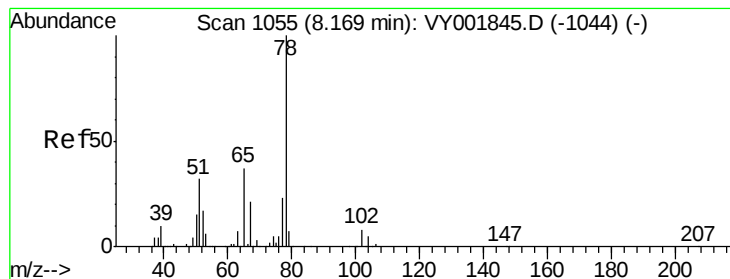
99 63.9 52.0 78.0

61 44.0 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.723 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 65 Resp: 101281

Ion Ratio Lower Upper

65 100

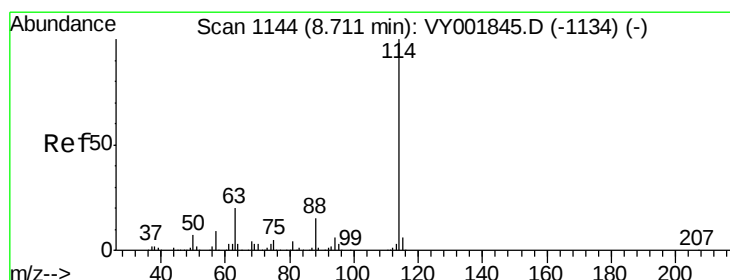
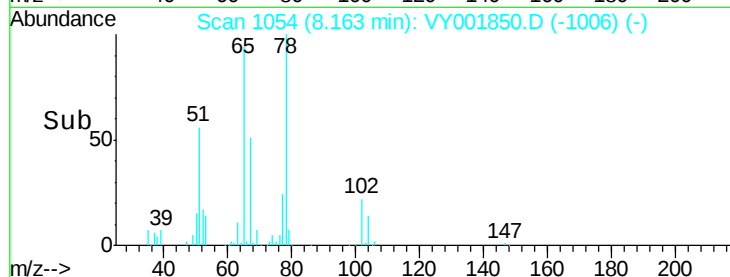
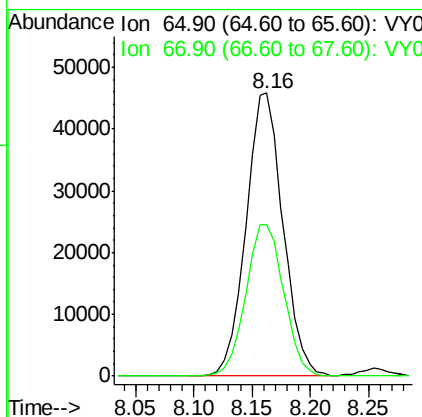
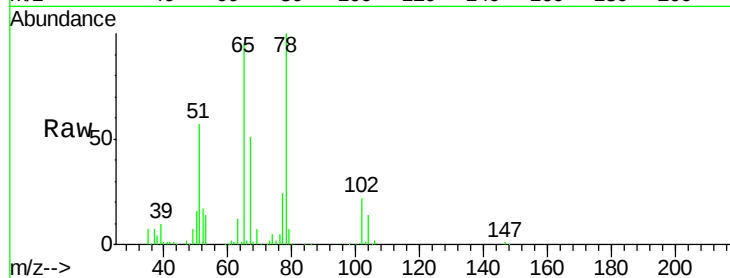
67 55.1 0.0 110.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

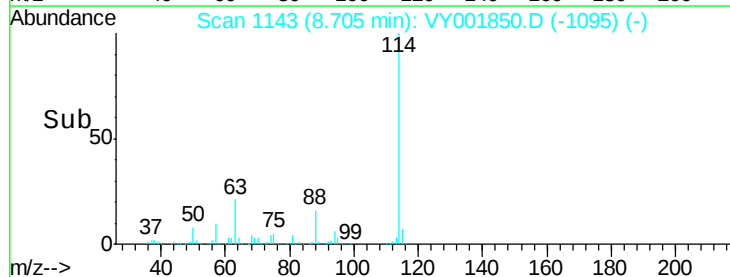
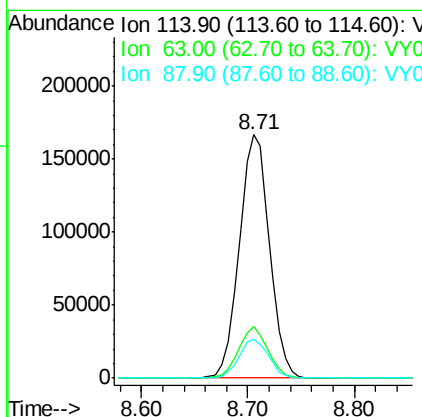
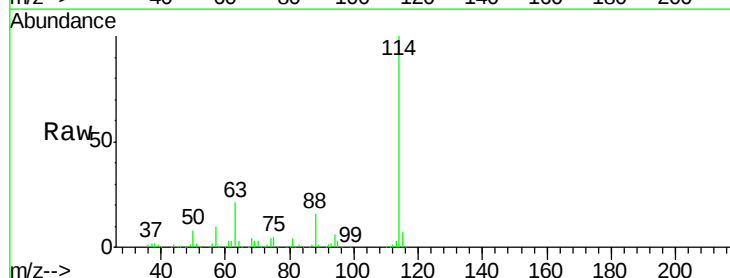
Tgt Ion: 114 Resp: 330936

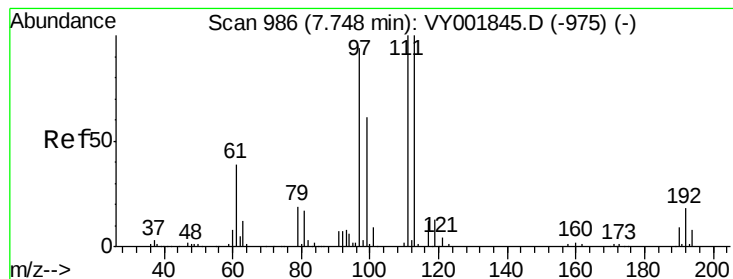
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.4

88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

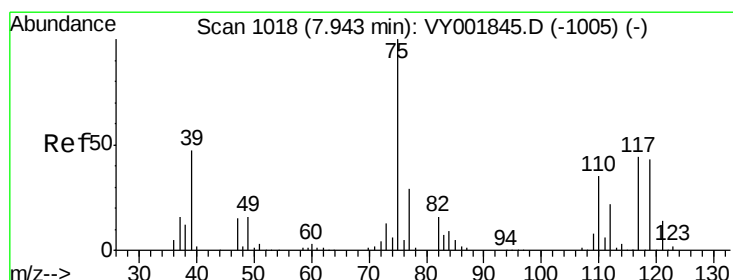
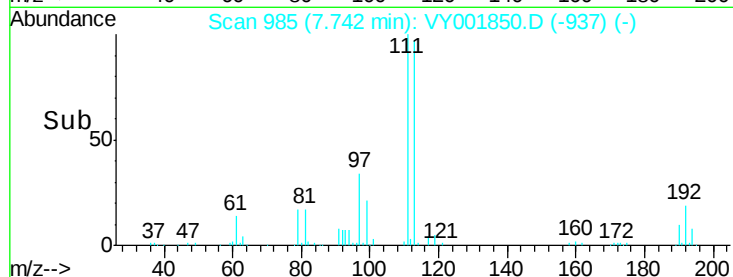
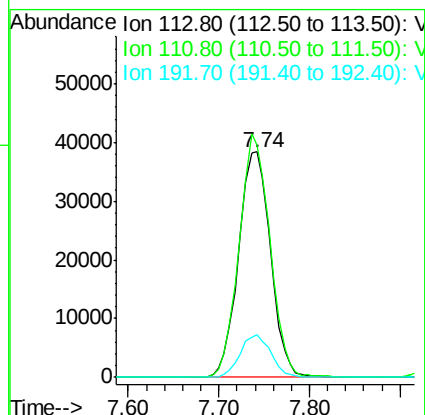
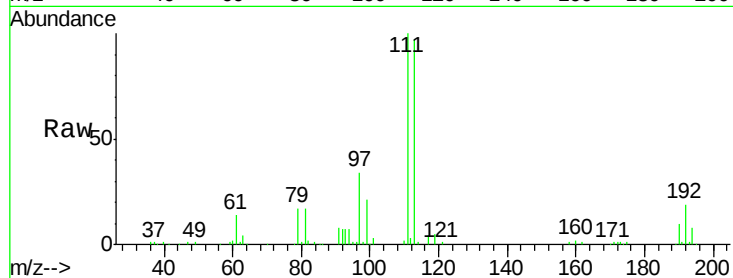
ClientSampleId :

VY0304SBS01

Tot Ion:	113	Resp:	93860
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.8
192	18.2	14.2	21.2

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#36

1,1-Dichloropropene

Concen: 20.320 ug/l

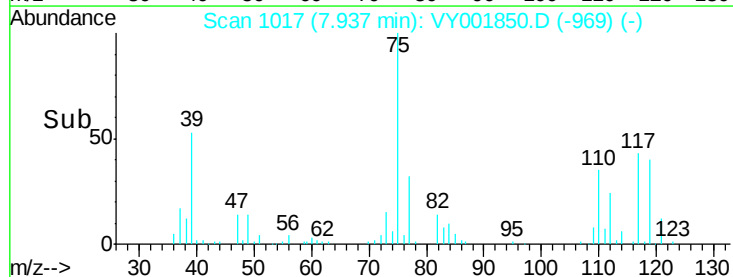
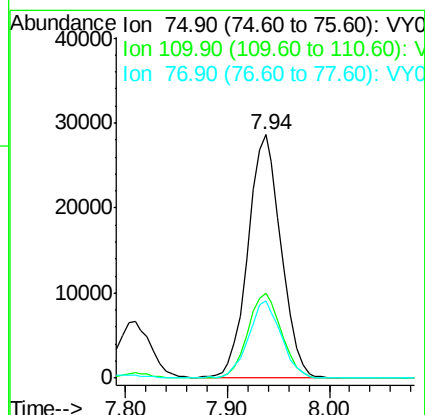
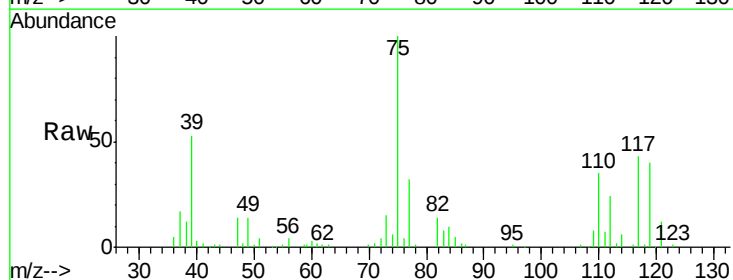
RT: 7.94 min Scan# 1017

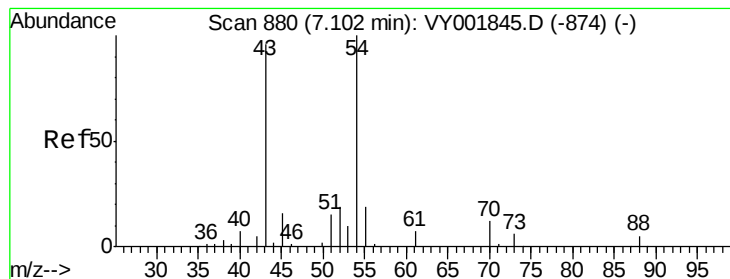
Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	75	Resp:	64711
Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.4	52.2
77	31.5	24.2	36.2





#37

Ethyl Acetate

Concen: 20.753 ug/l

RT: 7.10 min Scan# 880

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

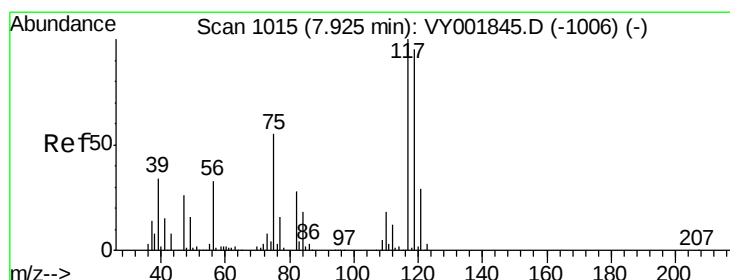
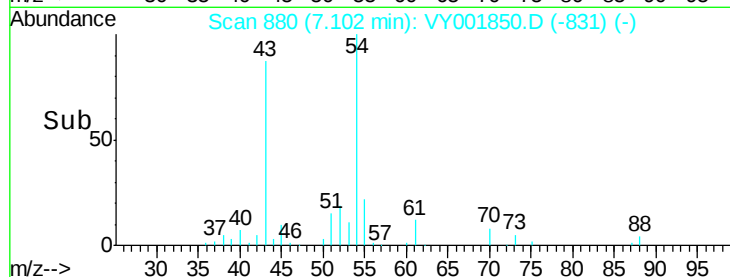
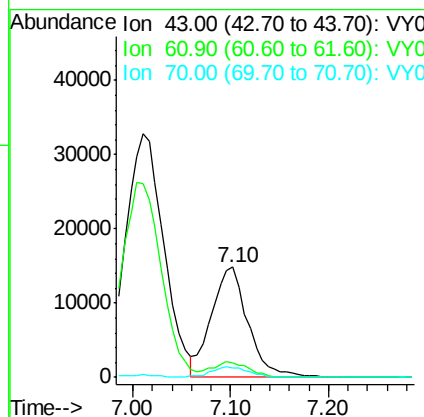
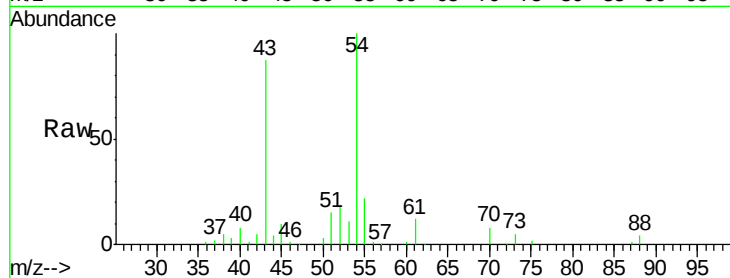
ClientSampleId :

VY0304SBS01

Tot Ion:	43	Resp:	38411
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	10.1	8.2	12.4

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#38

Carbon Tetrachloride

Concen: 20.528 ug/l

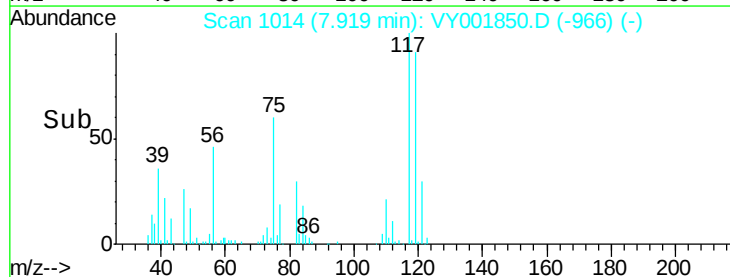
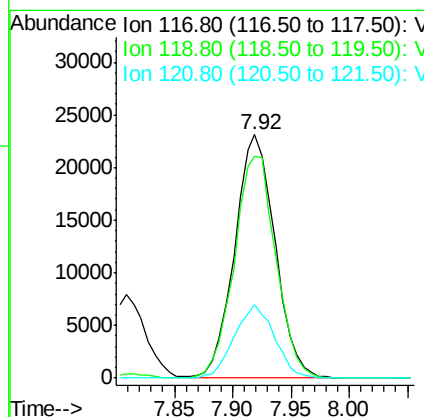
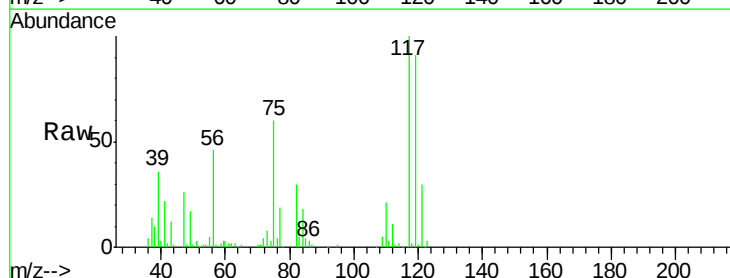
RT: 7.92 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	117	Resp:	55847
Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.3	114.5
121	30.1	23.5	35.3





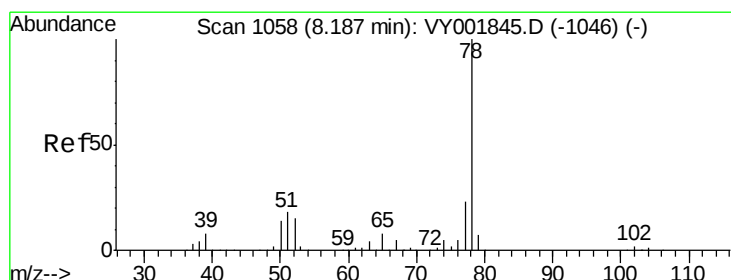
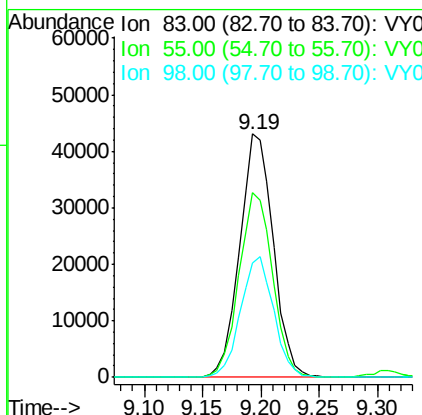
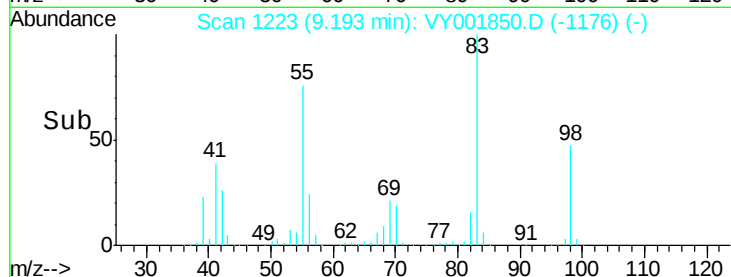
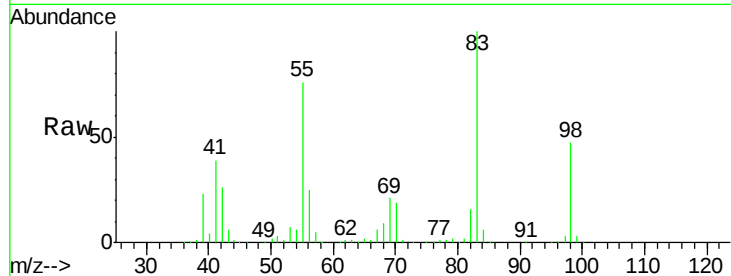
#39
Methvlcvclohexane
Concen: 20.490 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.4	89.0
98	47.1	38.9	58.3

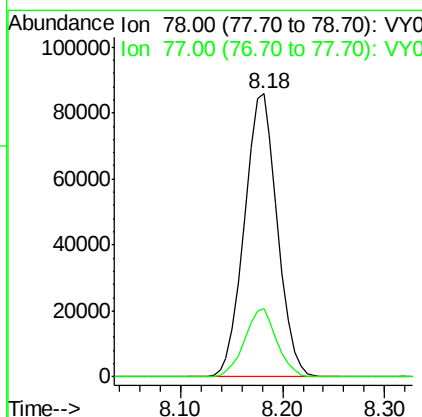
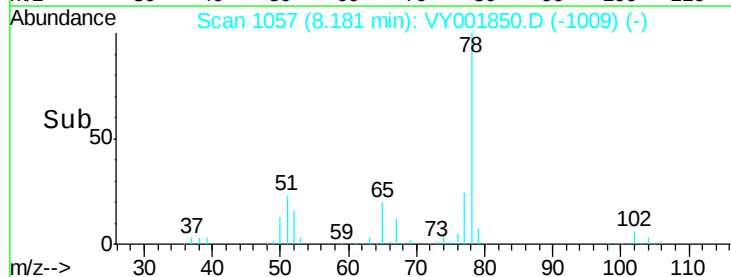
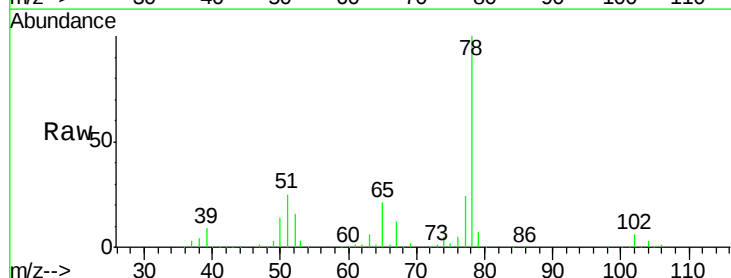
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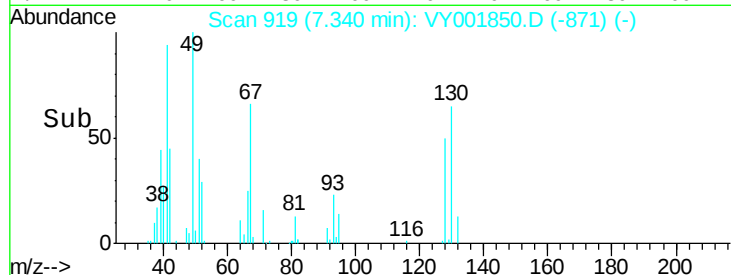
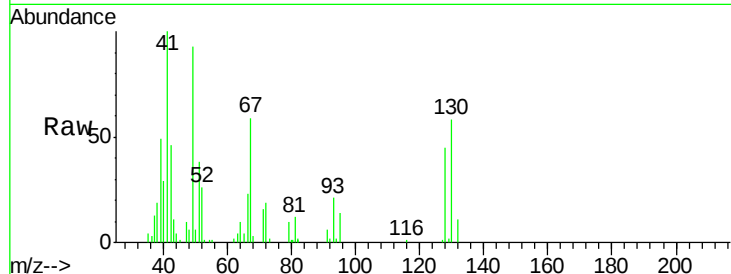
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#40
Benzene
Concen: 20.374 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





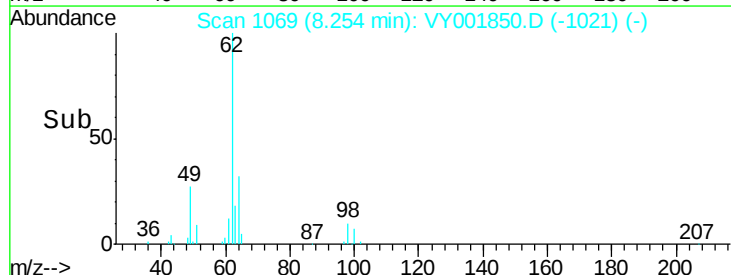
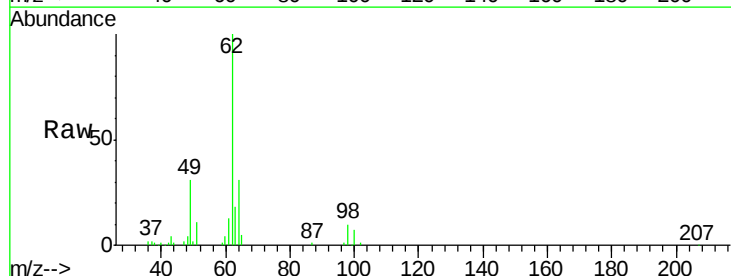
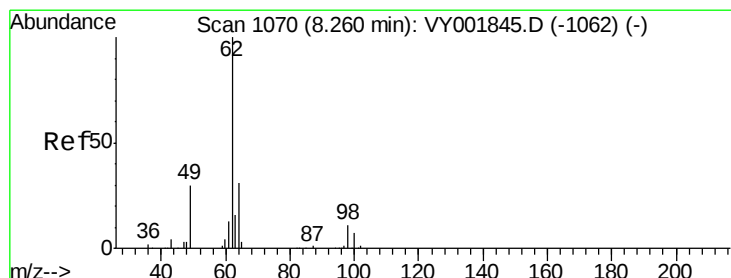
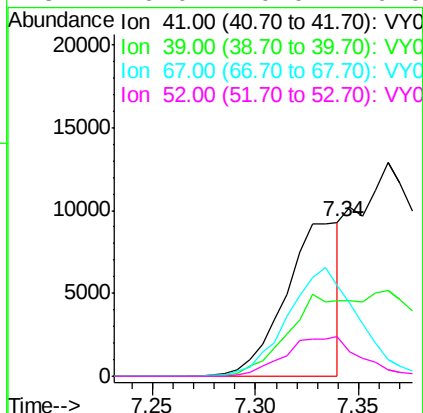
#41
Methacrylonitrile
Concen: 20.670 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

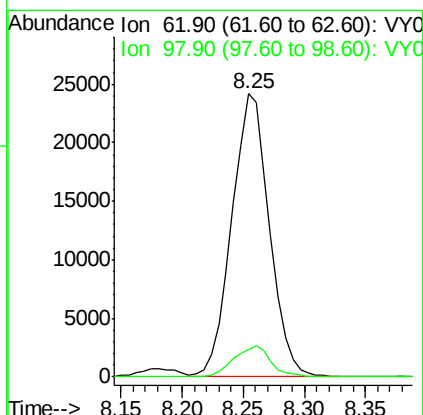
Manual Integrations
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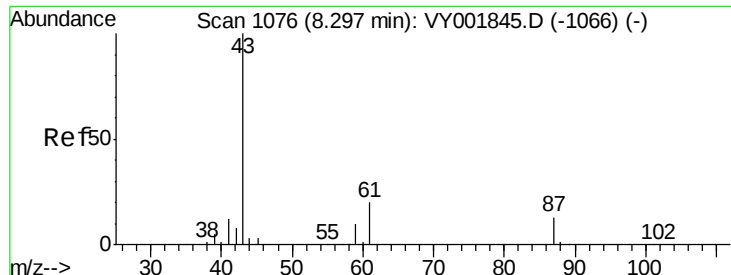
MMDadoda
3/5/2020 1:37:18 PM



#42
1,2-Dichloroethane
Concen: 21.157 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





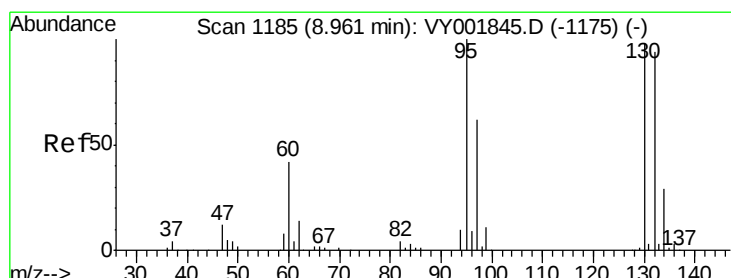
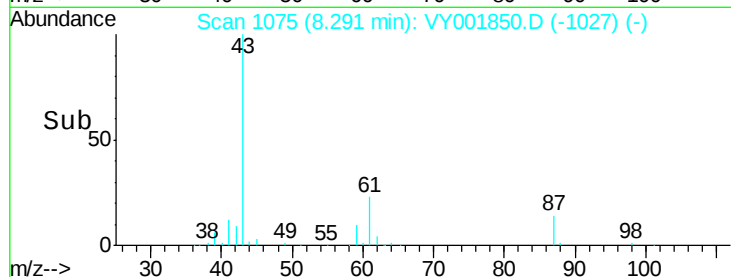
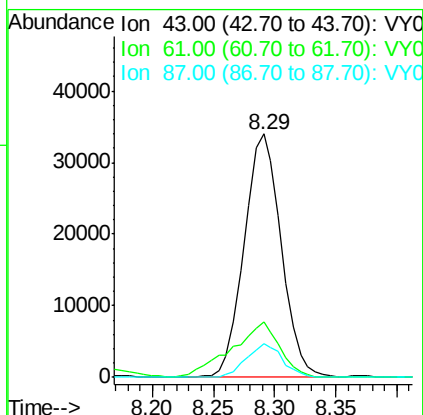
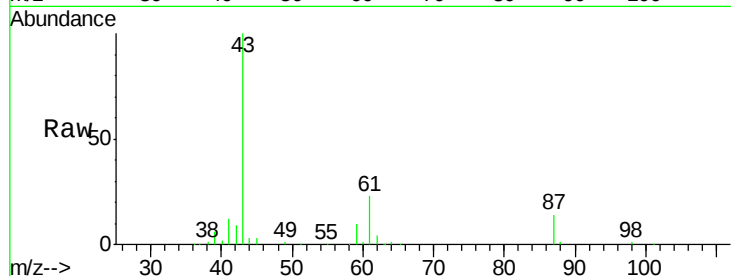
#43
Isopropyl Acetate
Concen: 20.447 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	13.5	10.9	16.3

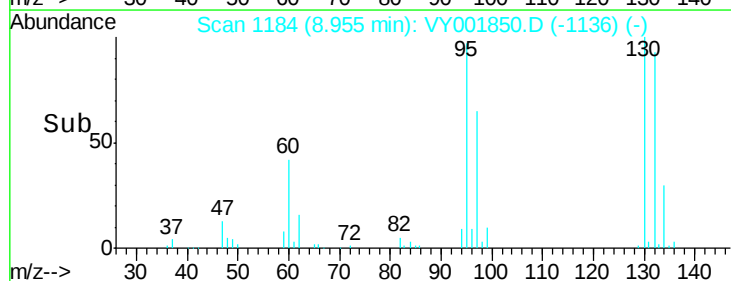
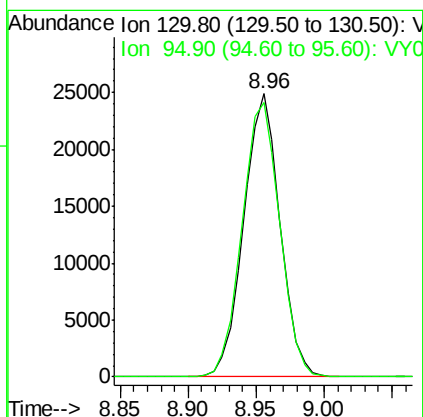
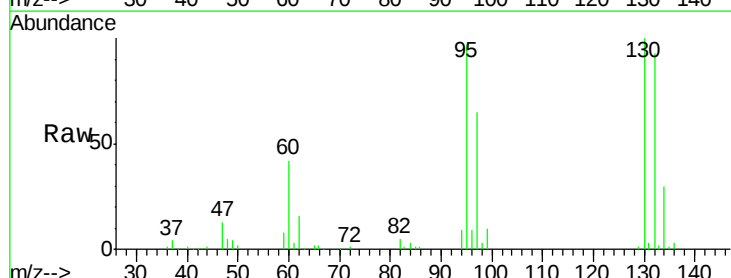
Manual Integrations
APPROVED

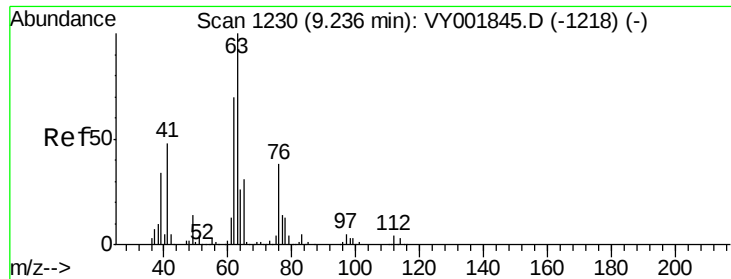
MMDadoda
3/5/2020 1:37:18 PM



#44
Trichloroethene
Concen: 20.196 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	204.6





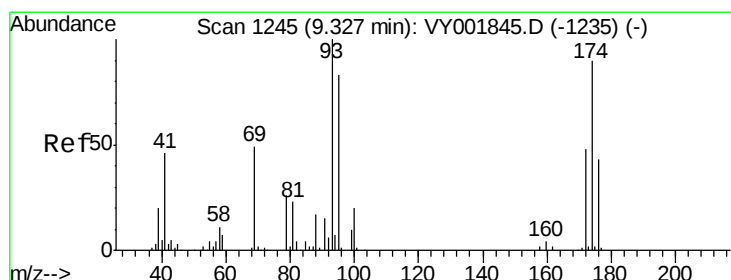
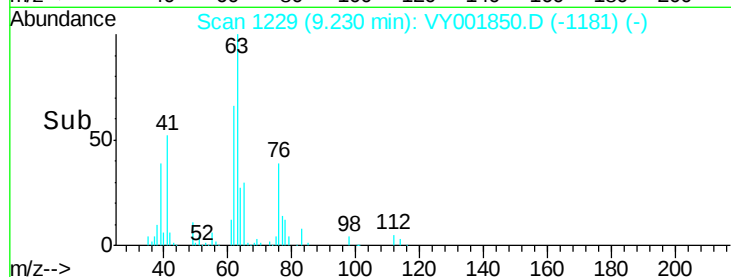
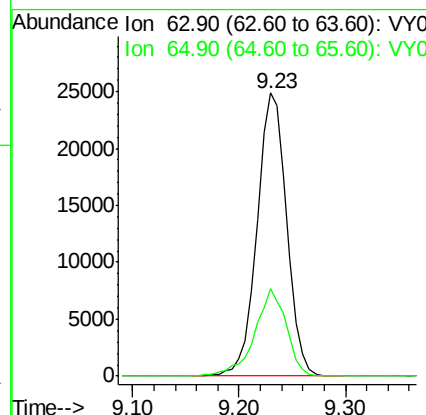
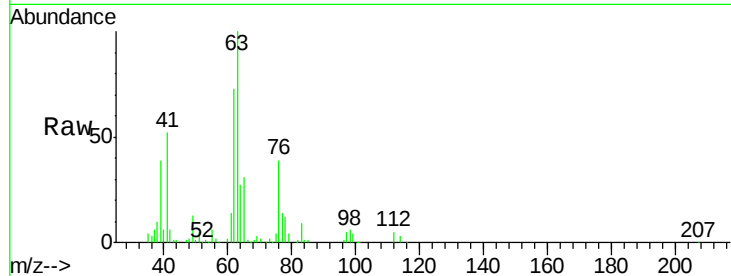
#45
 1,2-Dichloropropane
 Concen: 20.466 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.9	37.3

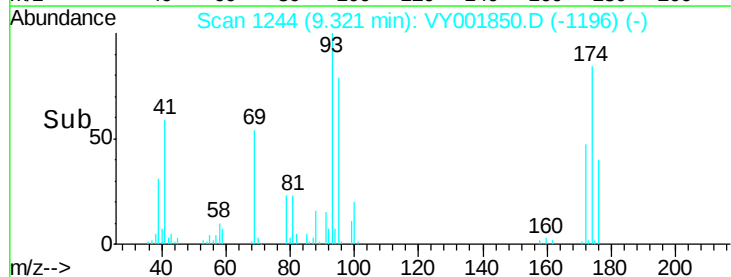
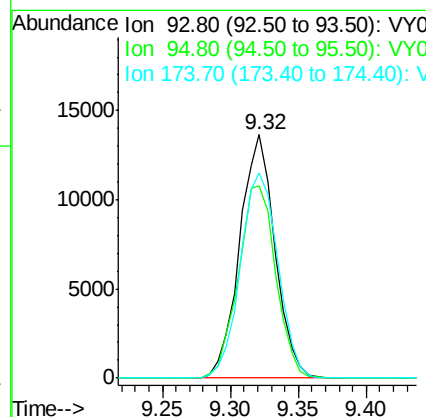
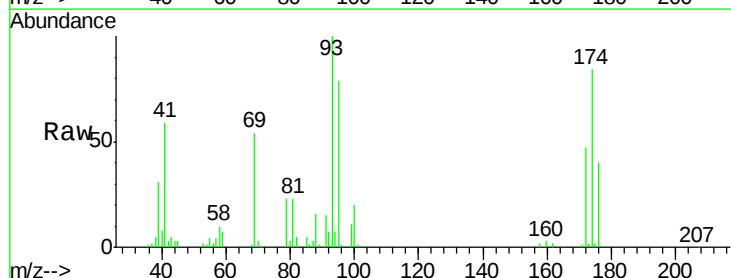
Manual Integrations
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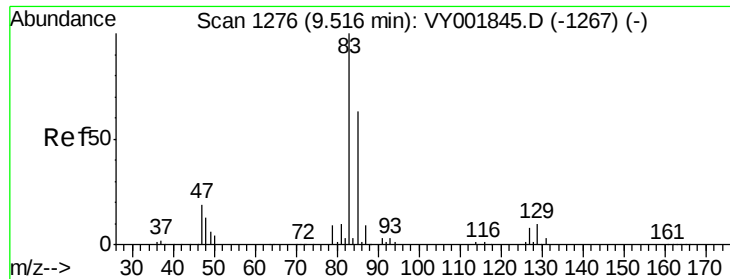
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#46
 Dibromomethane
 Concen: 20.240 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.0	100.4
174	89.5	71.8	107.8





#47

Bromodichloromethane

Concen: 20.440 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

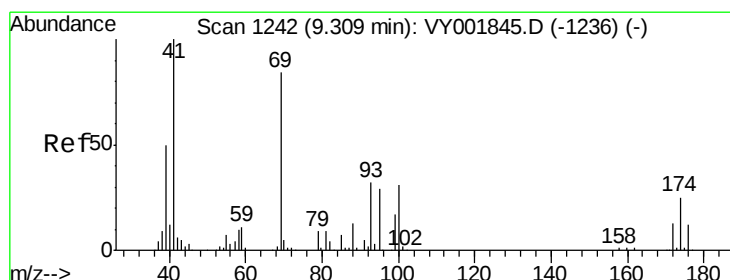
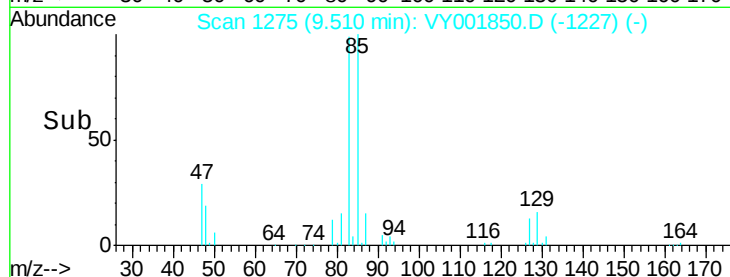
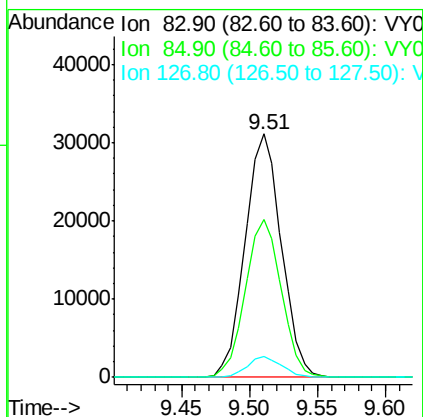
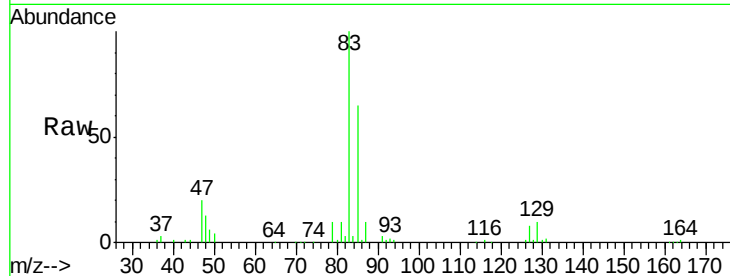
ClientSampleId :

VY0304SBS01

Tot Ion:	83	Resp:	58140
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	76.0
127	8.5	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.781 ug/l

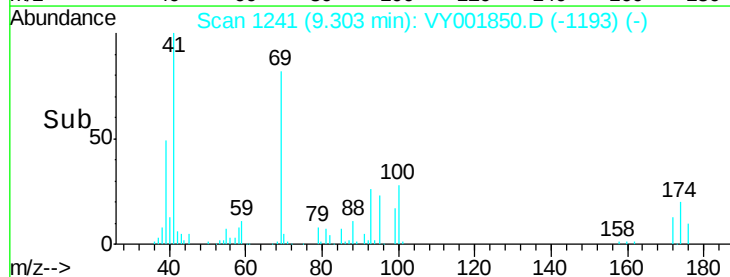
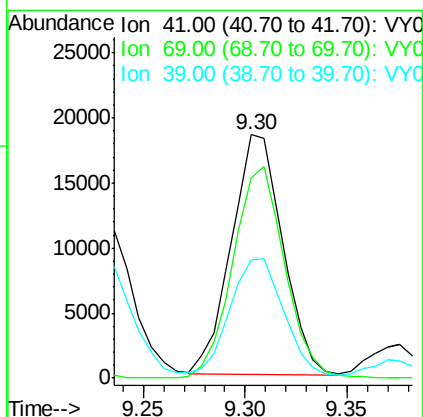
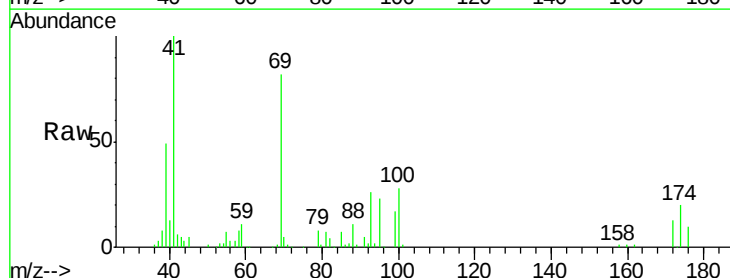
RT: 9.30 min Scan# 1241

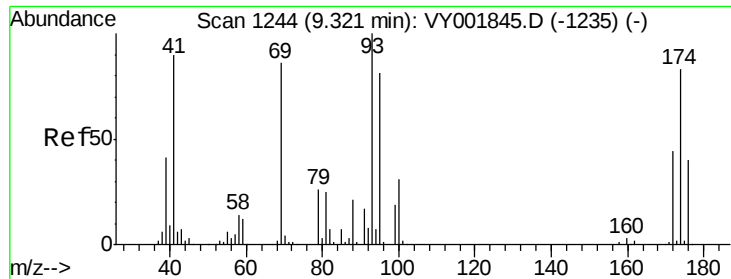
Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	41	Resp:	32314
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.0	103.6
39	53.1	39.1	58.7





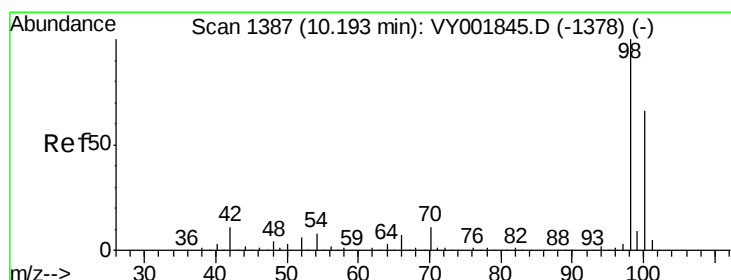
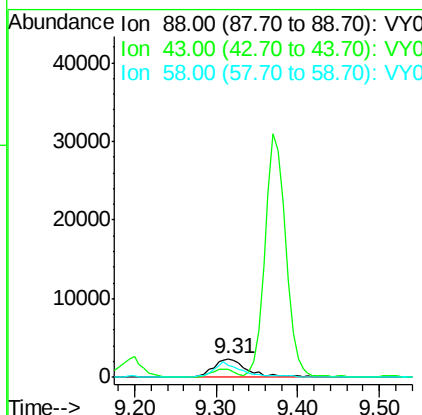
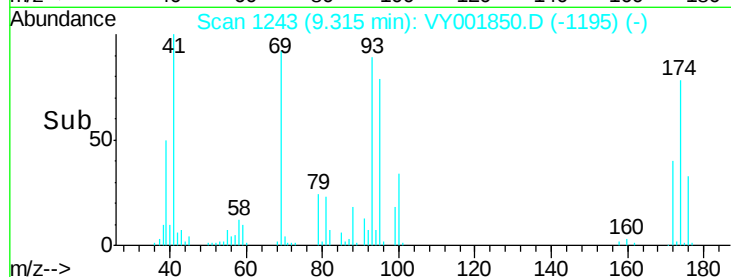
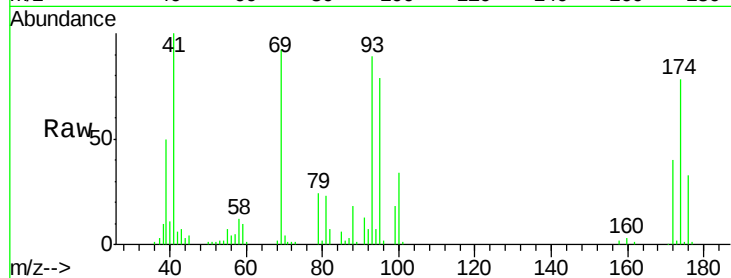
#49
 1,4-Dioxane
 Concen: 415.871 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	88	Resp	6968
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.0	37.6
58	62.9	58.9	88.3

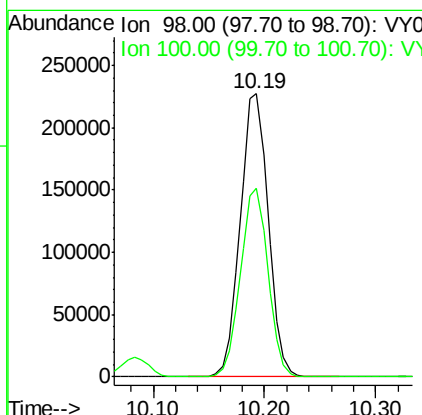
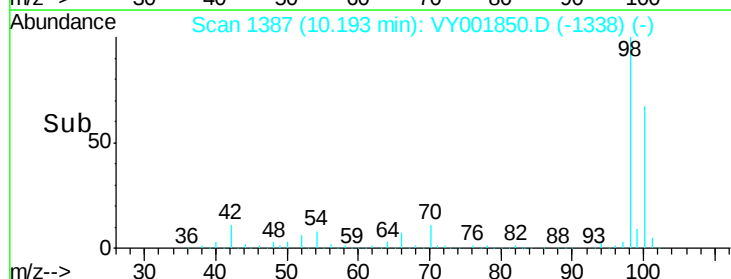
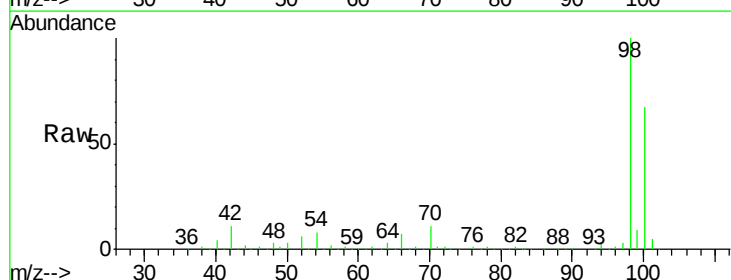
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#50
 Toluene-d8
 Concen: 52.037 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	98	Resp	396523
Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





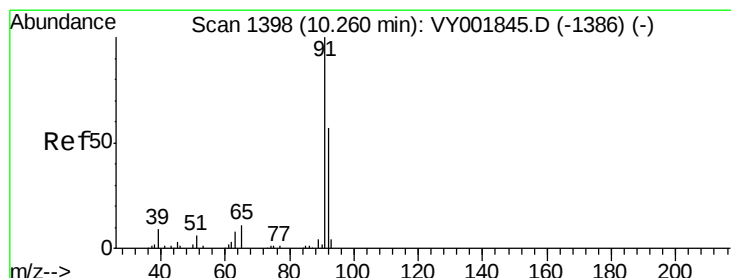
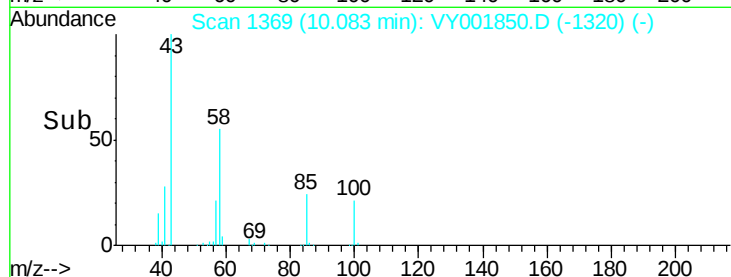
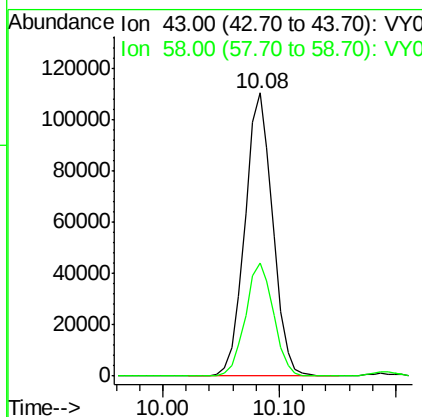
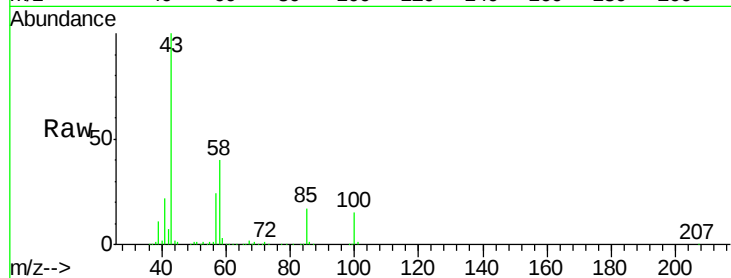
#51
 4-Methyl-2-Pentanone
 Concen: 102.144 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	43	Resp	184365
Ion Ratio	43	100	
Lower	58	40.3	32.0
Upper			48.0

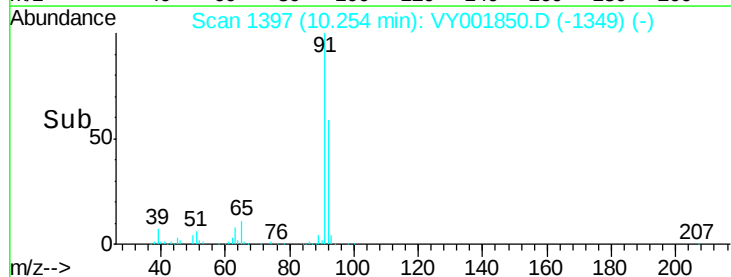
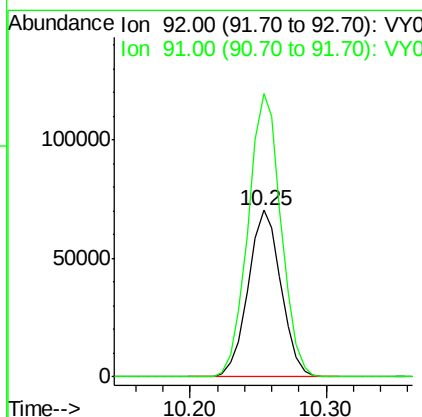
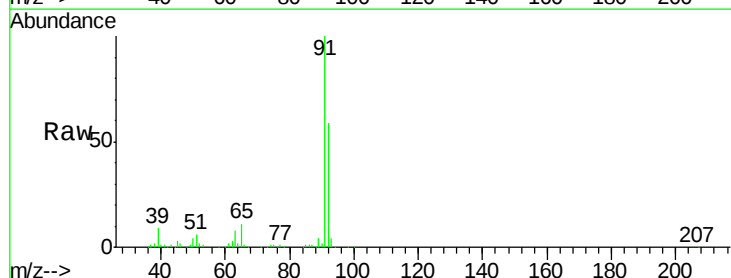
Manual Integrations
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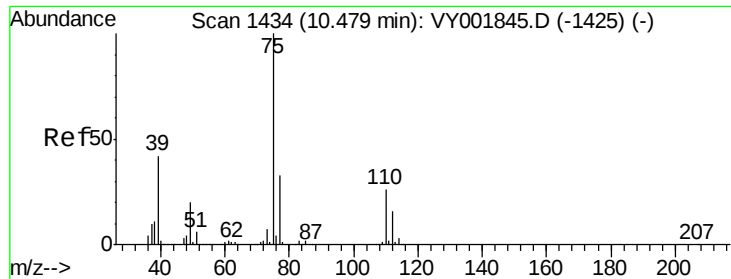
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#52
 Toluene
 Concen: 20.752 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	92	Resp	118994
Ion Ratio	92	100	
Lower	91	170.4	138.6
Upper			208.0





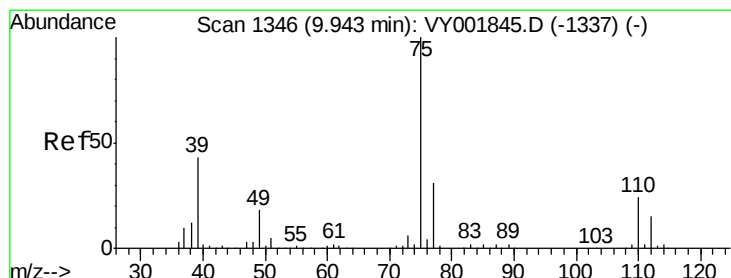
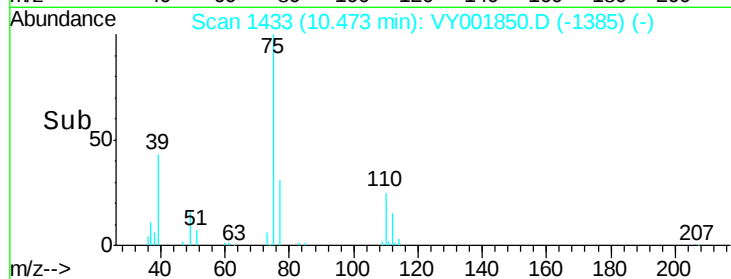
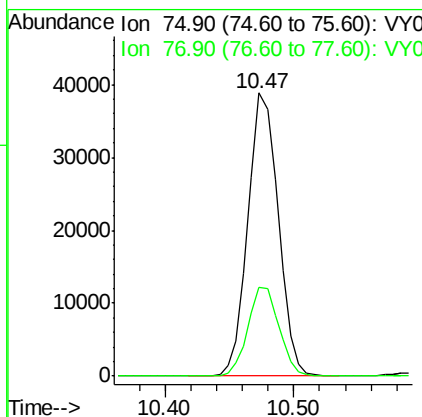
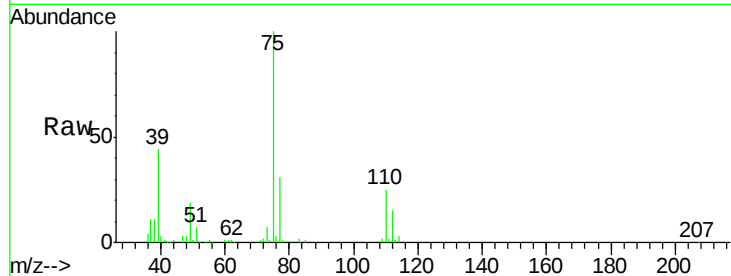
#53
 t-1,3-Dichloropropene
 Concen: 20.399 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.3	39.5

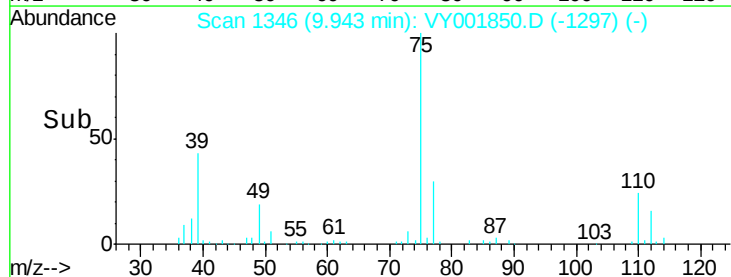
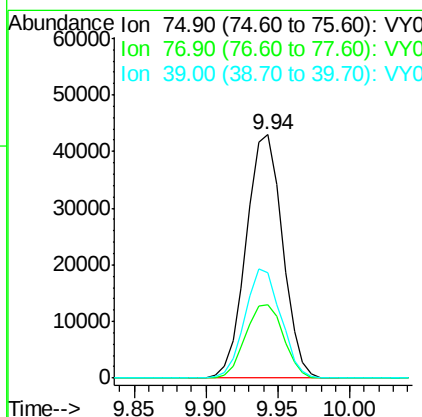
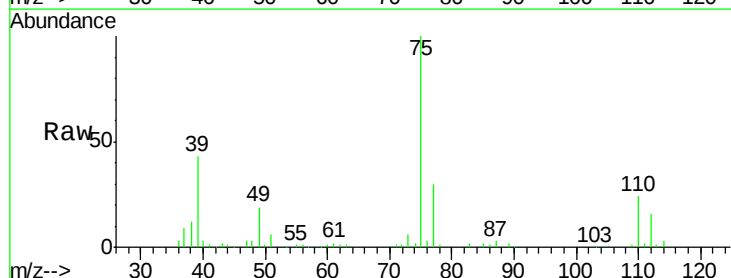
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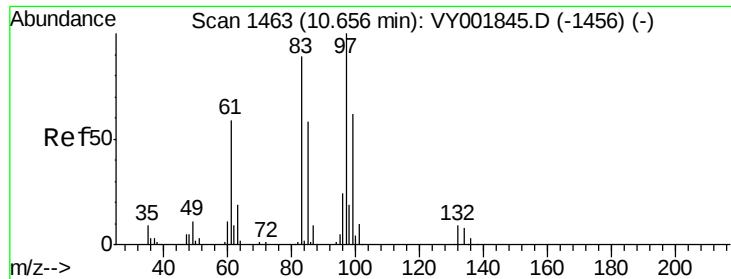
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#54
 cis-1,3-Dichloropropene
 Concen: 20.332 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.1	37.7
39	43.5	34.7	52.1





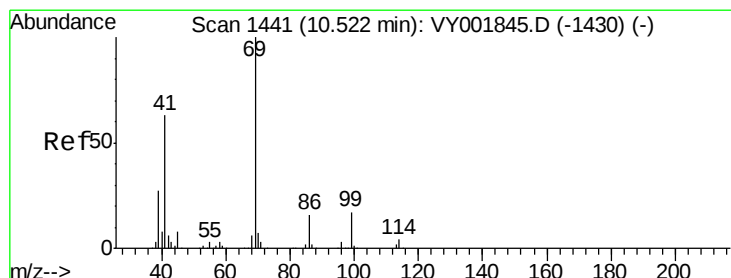
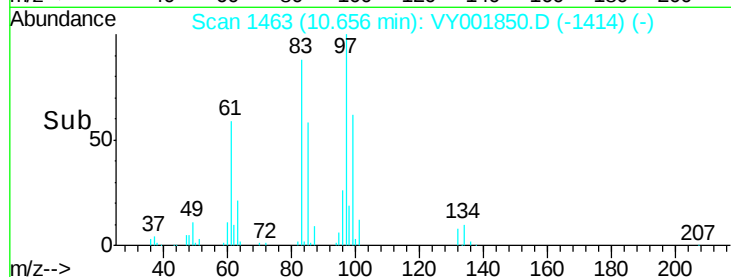
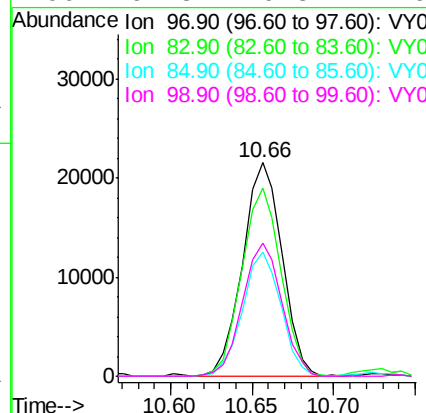
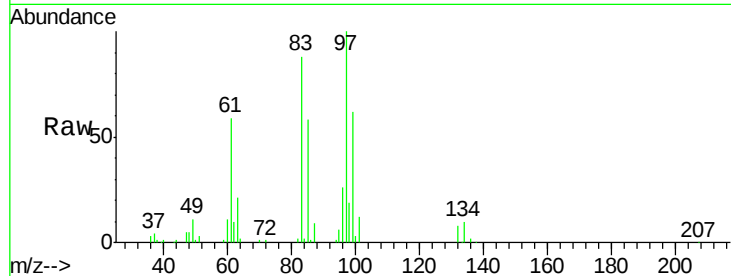
#55
 1,1,2-Trichloroethane
 Concen: 20.347 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.6	107.4
85	57.9	46.6	69.8
99	62.3	49.8	74.6

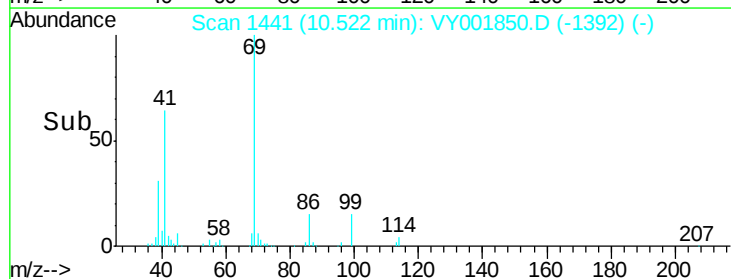
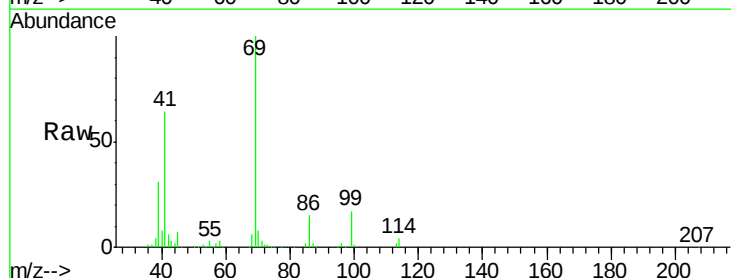
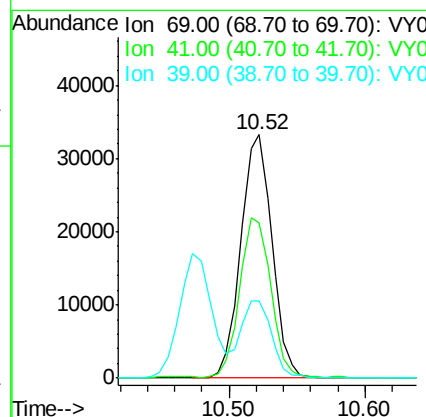
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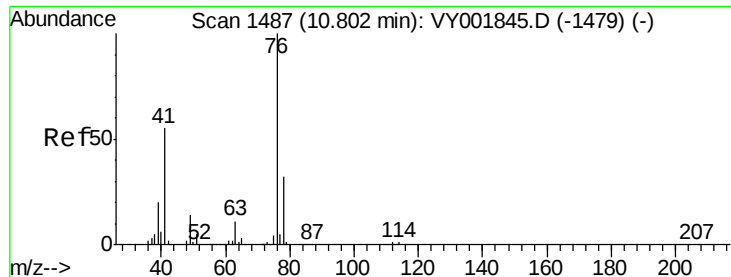
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#56
 Ethyl methacrylate
 Concen: 20.391 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	49.9	74.9
39	32.1	23.0	34.6





#57

1,3-Dichloropropane

Concen: 20.527 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 76 Resp: 65479

Ion Ratio Lower Upper

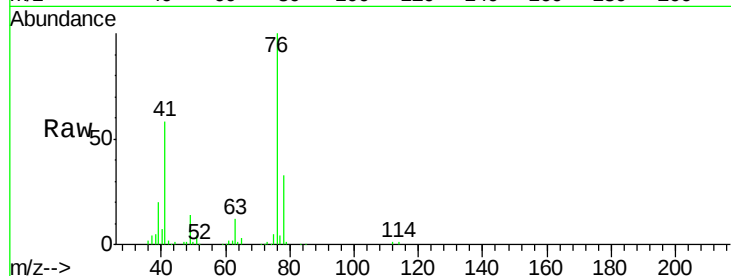
76 100

78 33.0 25.8 38.6

Manual Integrations
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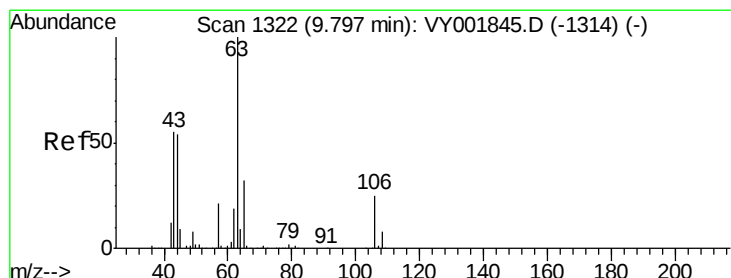
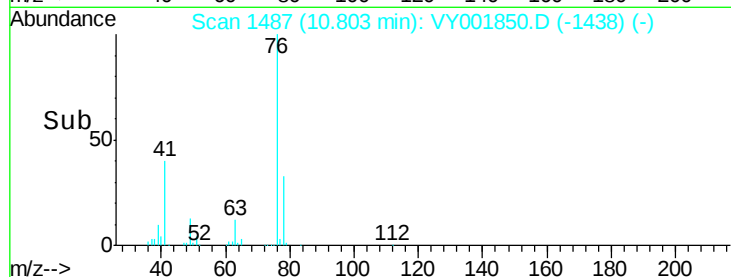
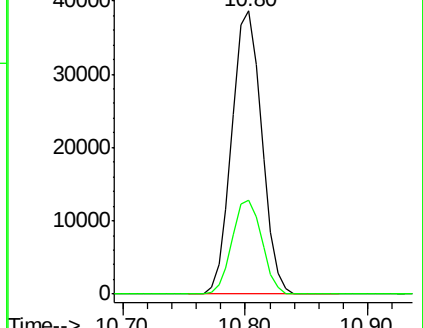
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 129.596 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001850.D

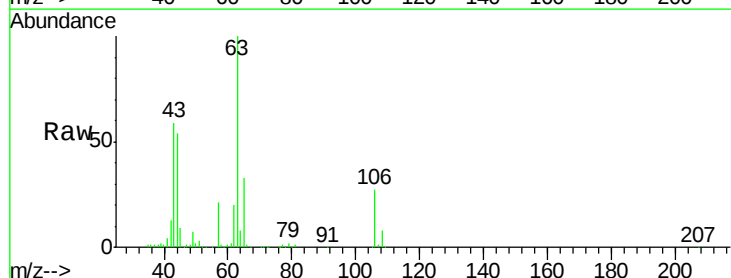
Acq: 04 Mar 2020 14:02

Tgt Ion: 63 Resp: 133029

Ion Ratio Lower Upper

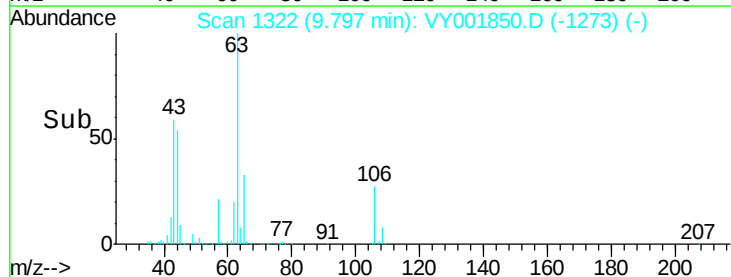
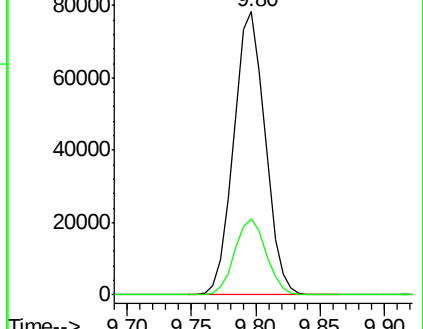
63 100

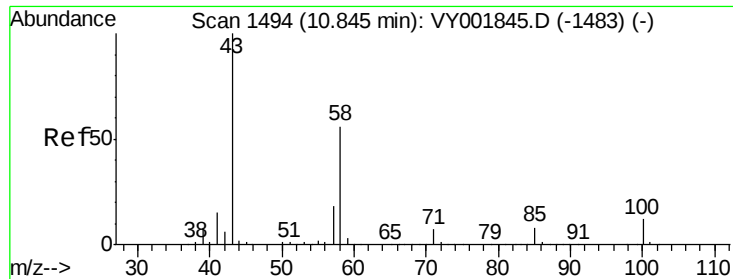
106 26.6 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





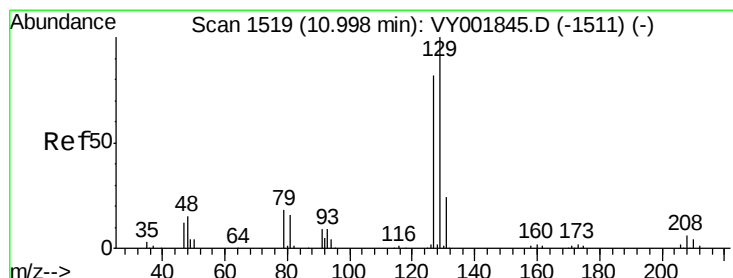
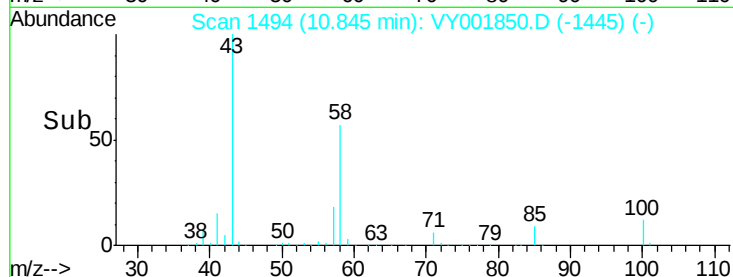
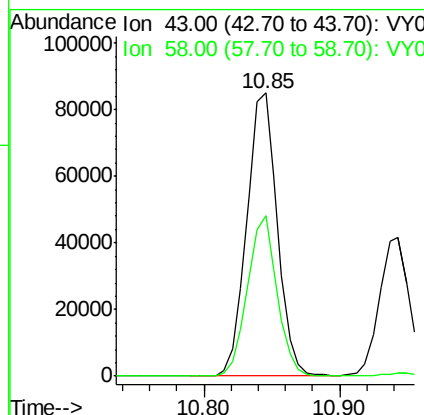
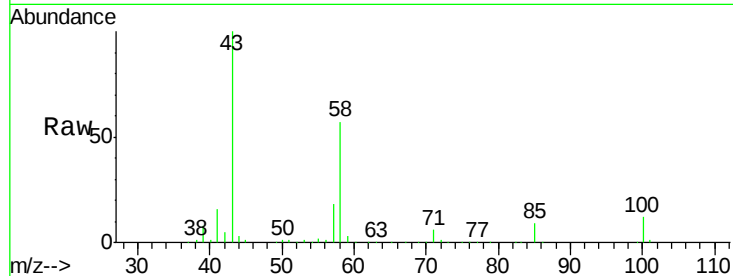
#59
2-Hexanone
Concen: 104.088 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 43 Resp: 134095
Ion Ratio Lower Upper
43 100
58 54.7 28.1 84.3

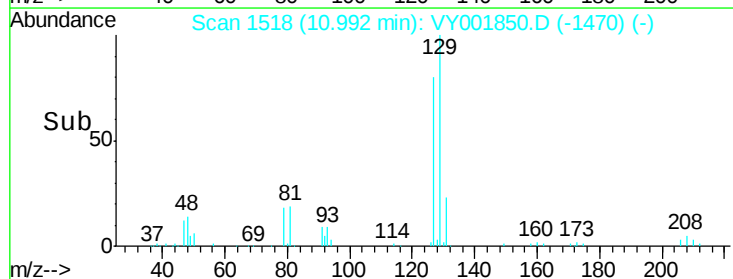
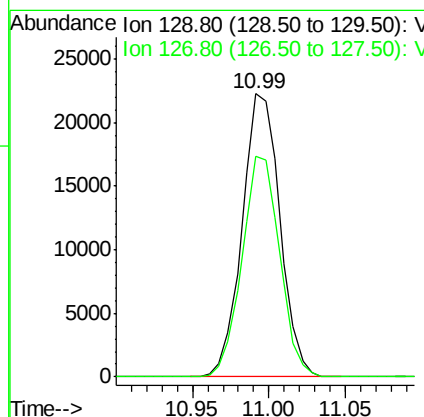
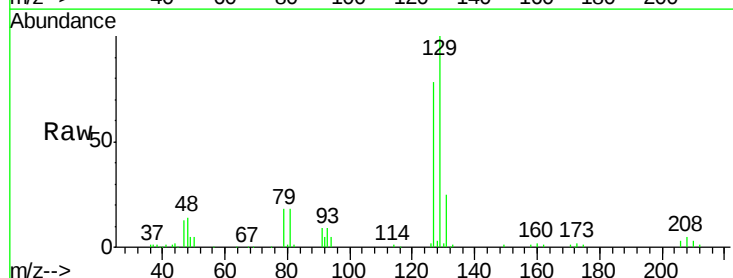
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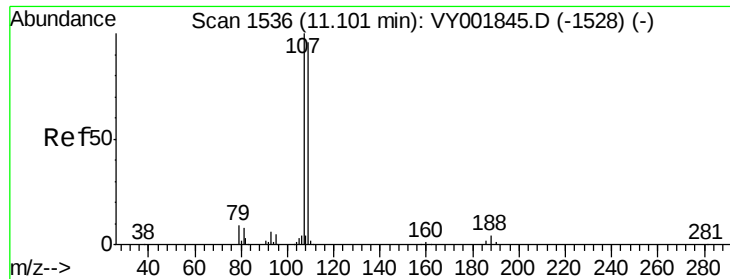
MMDadoda
3/5/2020 1:37:18 PM



#60
Dibromochloromethane
Concen: 20.243 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion: 129 Resp: 38172
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.257 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 107 Resp: 34338

Ion Ratio Lower Upper

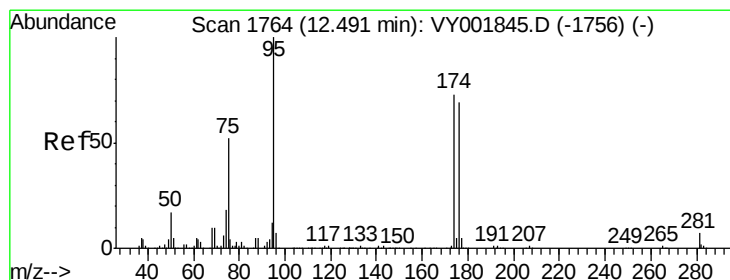
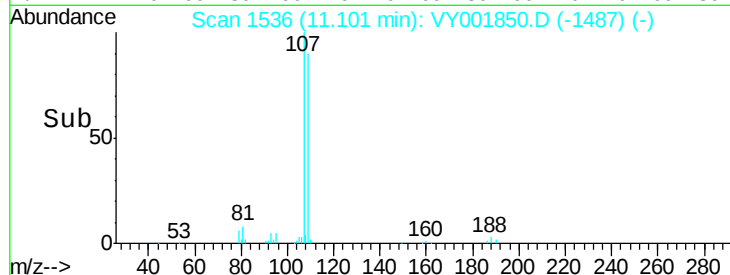
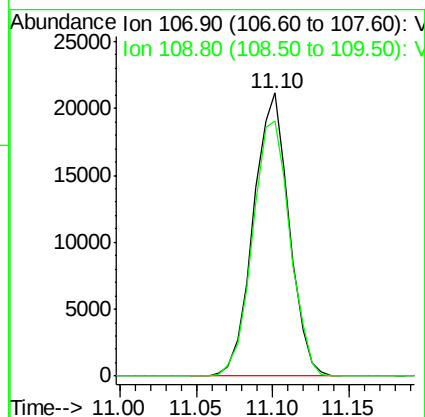
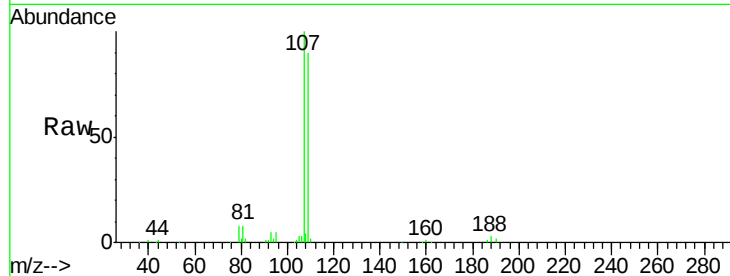
107 100

109 94.6 75.4 113.0

Manual Integrations
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3/5/2020 1:37:18 PM



#62

4-Bromofluorobenzene

Concen: 51.352 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

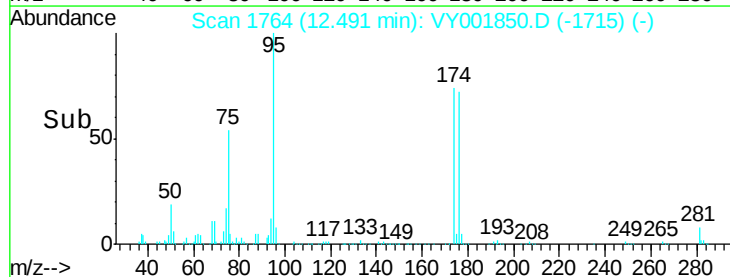
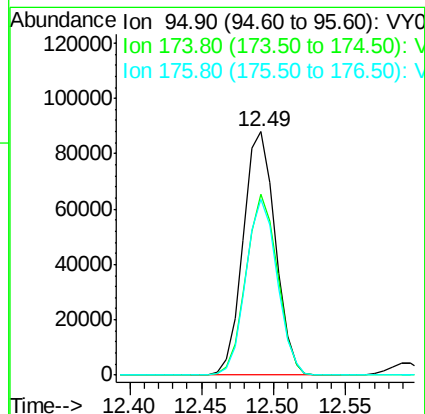
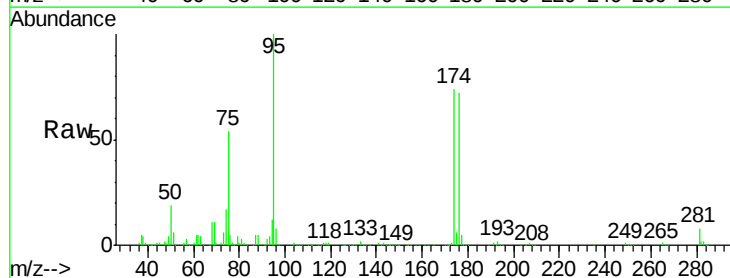
Tgt Ion: 95 Resp: 136062

Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

176 70.1 0.0 137.4





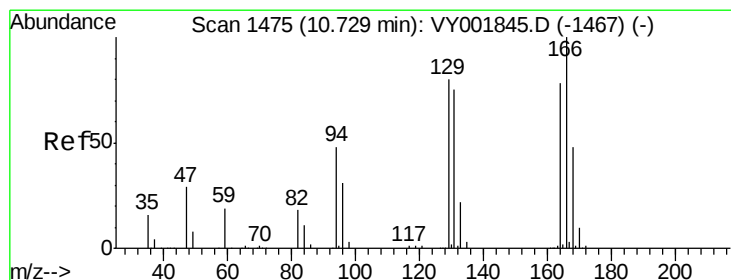
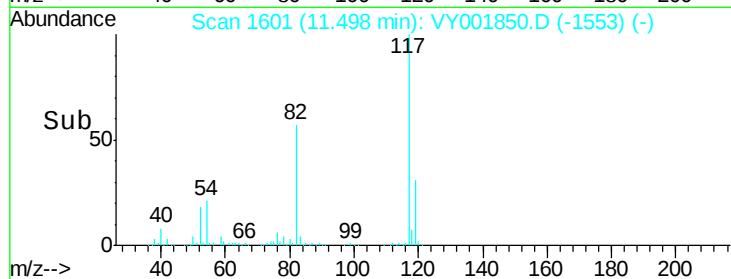
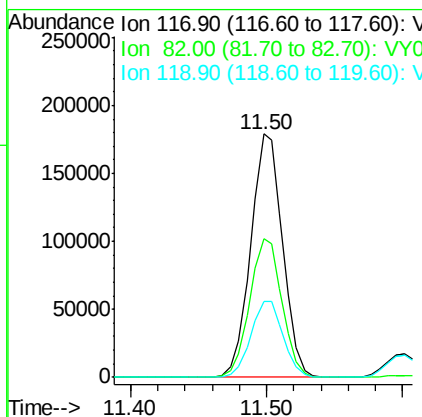
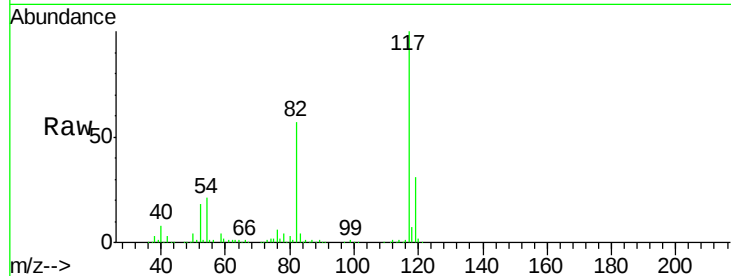
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	57.1	44.5	66.7
119	31.3	25.7	38.5

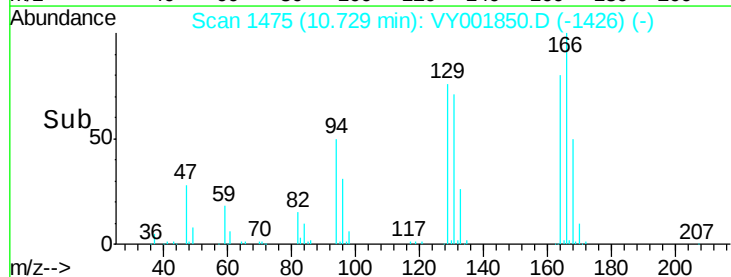
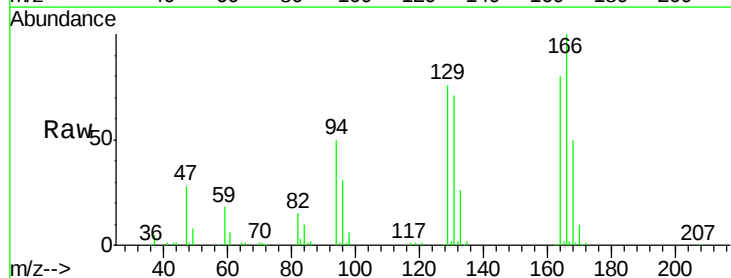
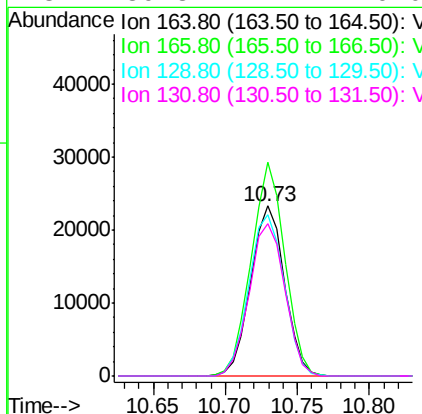
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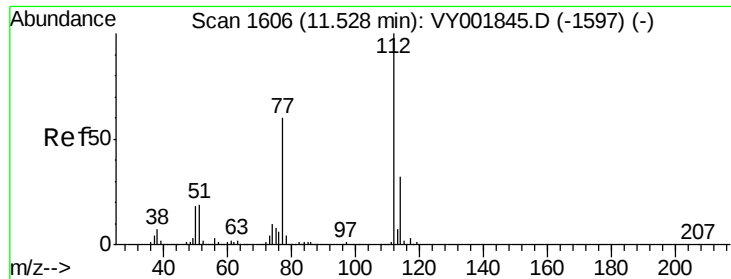
MMDadoda
3/5/2020 1:37:18 PM



#64
Tetrachloroethene
Concen: 20.544 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	125.6	102.6	154.0
129	94.9	82.3	123.5
131	89.3	77.4	116.0





#65

Chlorobenzene

Concen: 20.685 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:112 Resp: 120960

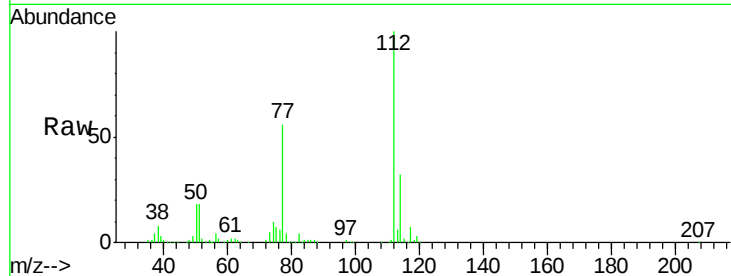
Ion Ratio Lower Upper

112 100

114 32.2 25.9 38.9

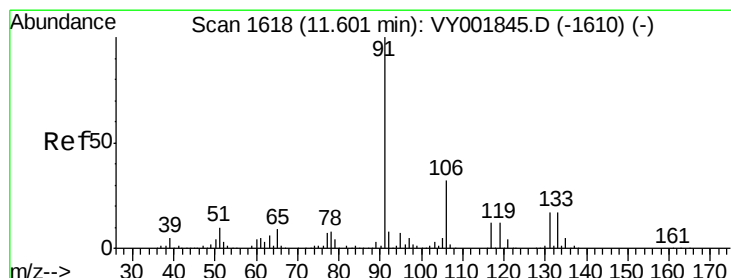
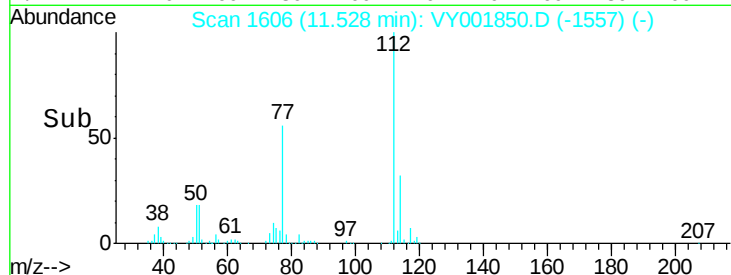
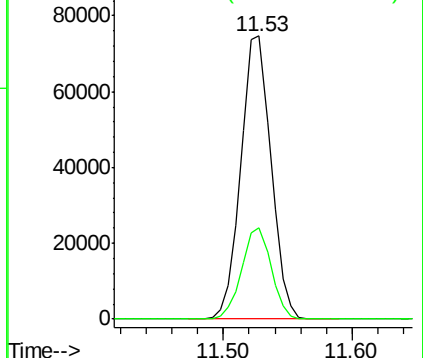
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.959 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

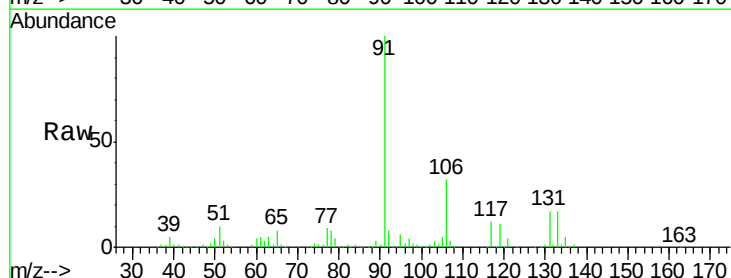
Tgt Ion:131 Resp: 40192

Ion Ratio Lower Upper

131 100

133 94.5 47.1 141.3

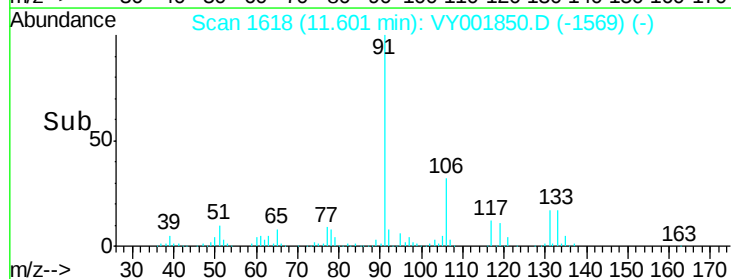
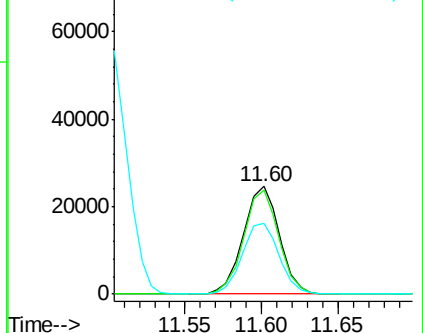
119 67.5 34.5 103.6

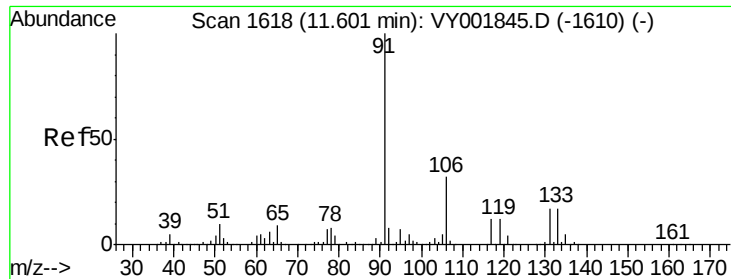


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





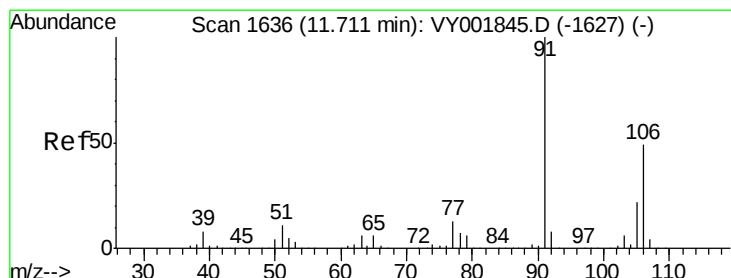
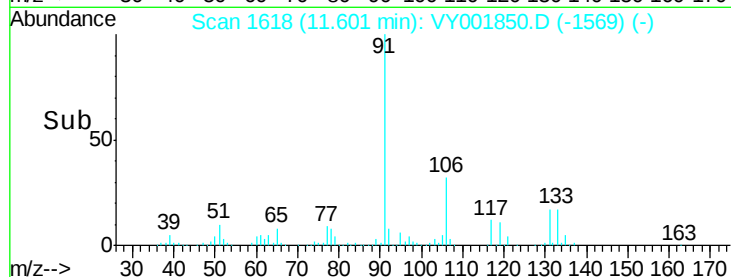
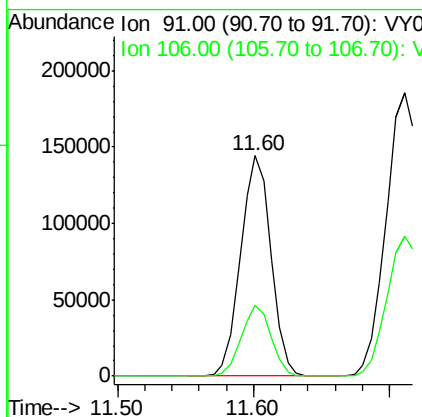
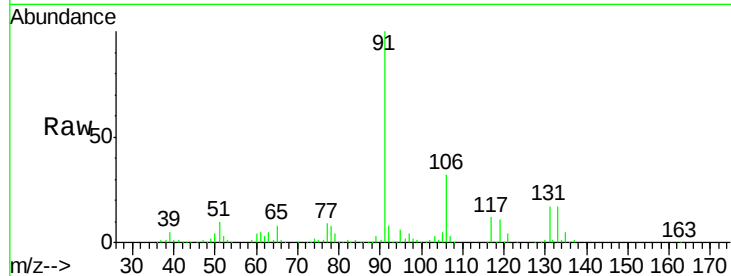
#67
Ethyl Benzene
Concen: 20.600 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 91 Resp: 224665
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2

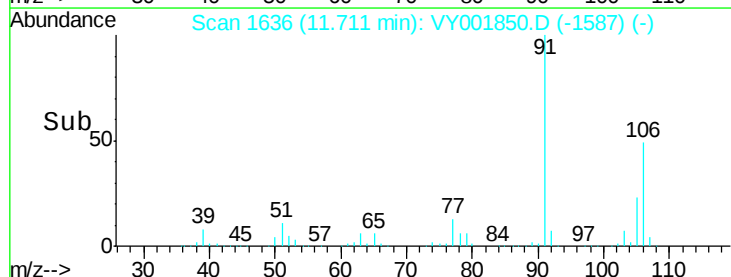
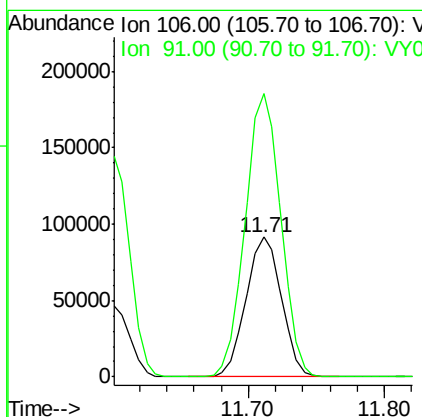
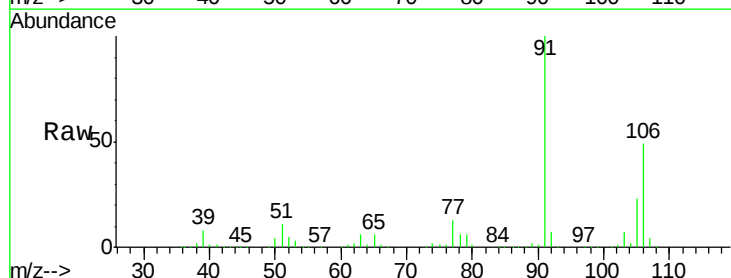
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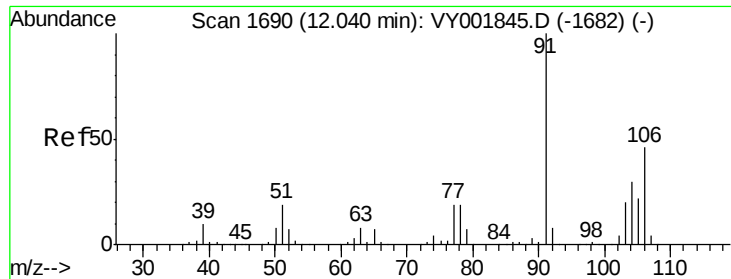
MMDadoda
3/5/2020 1:37:18 PM



#68
m/p-Xylenes
Concen: 41.520 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion: 106 Resp: 167414
Ion Ratio Lower Upper
106 100
91 203.3 161.3 241.9





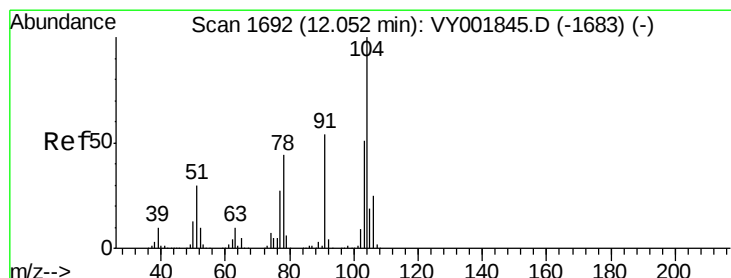
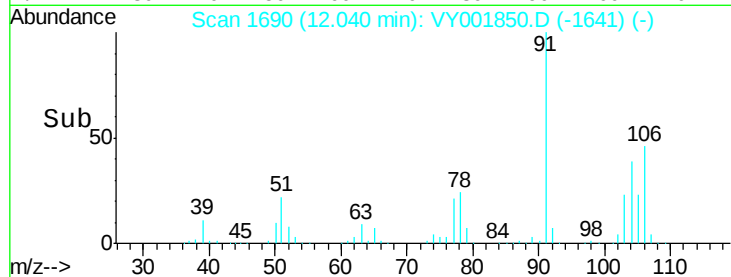
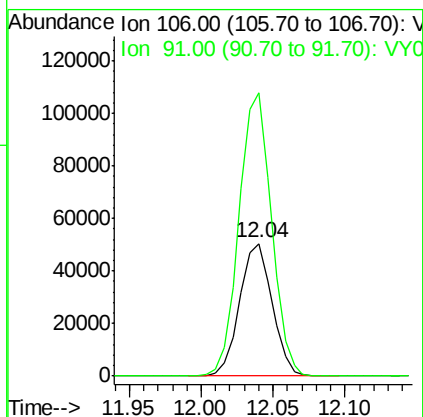
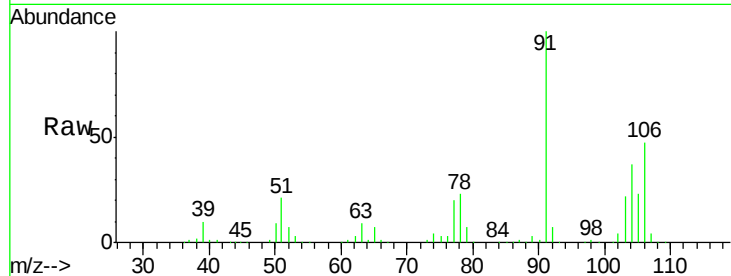
#69
o-Xylene
Concen: 20.733 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion:106 Resp: 78792
Ion Ratio Lower Upper
106 100
91 213.9 106.8 320.4

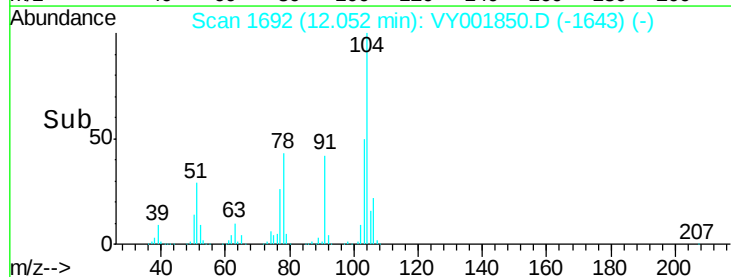
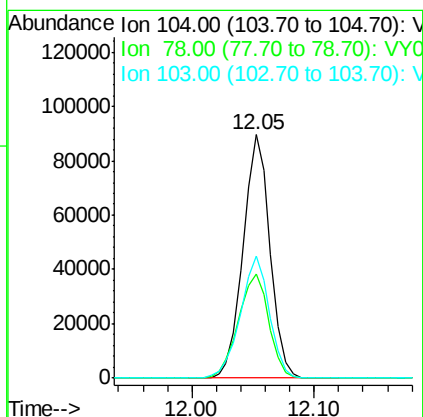
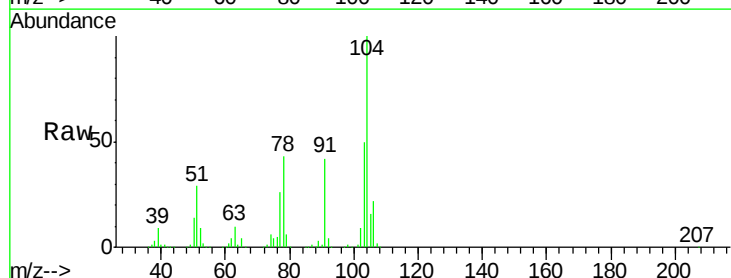
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#70
Styrene
Concen: 20.956 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion:104 Resp: 136402
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 53.8 42.9 64.3





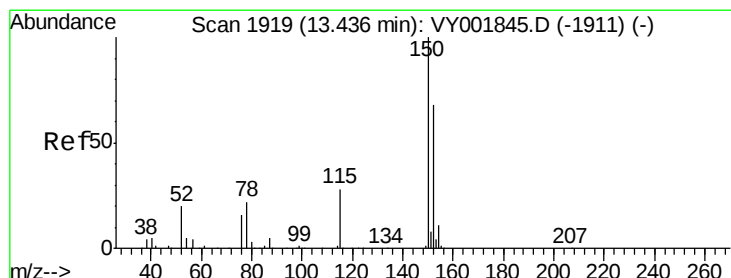
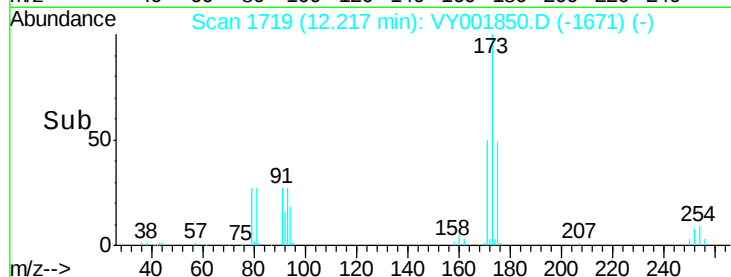
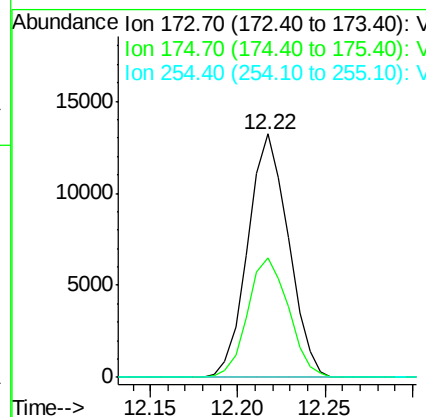
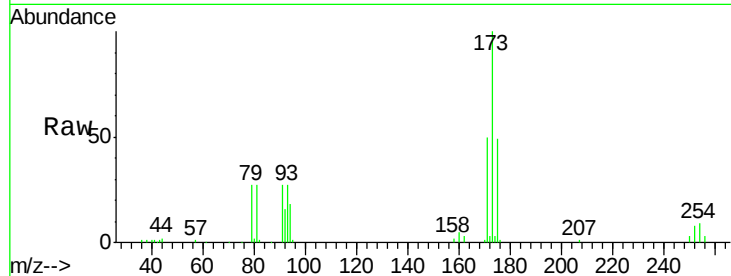
#71
Bromoform
Concen: 20.540 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.0	0.0	0.0

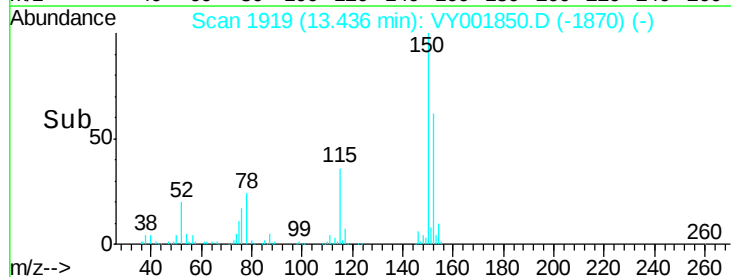
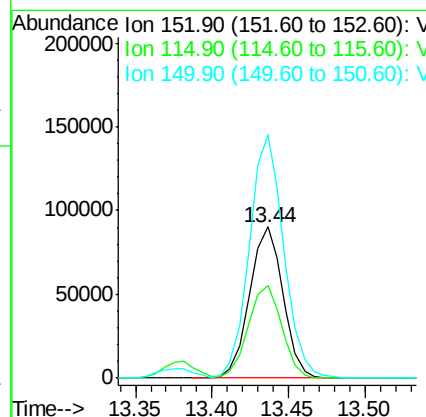
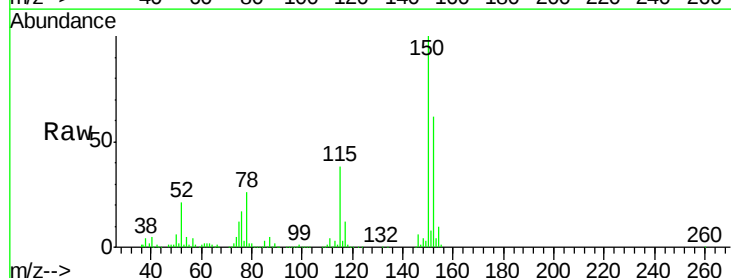
Manual Integrations
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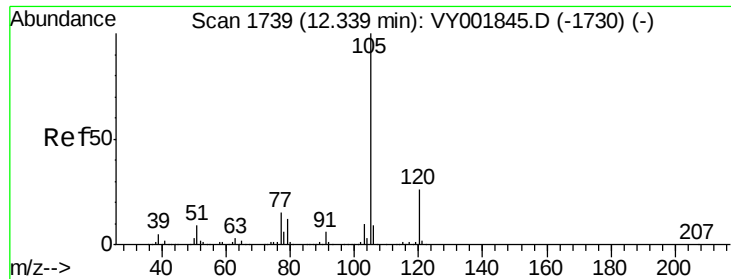
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	29.9	89.7
150	165.6	0.0	340.6





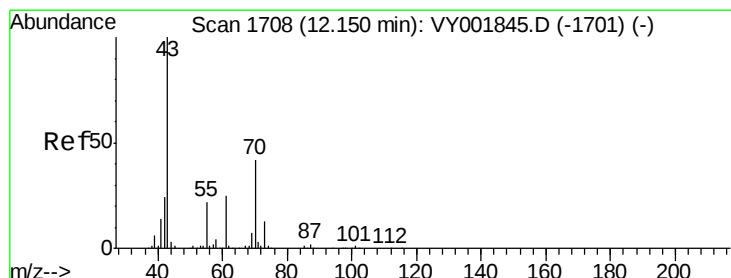
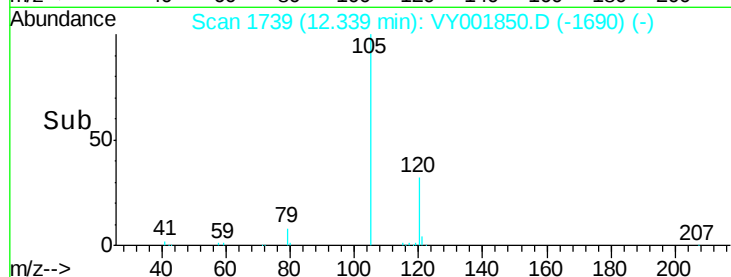
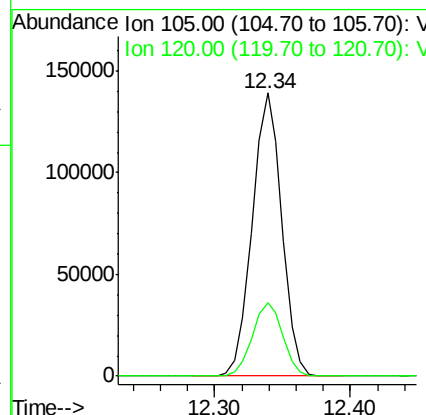
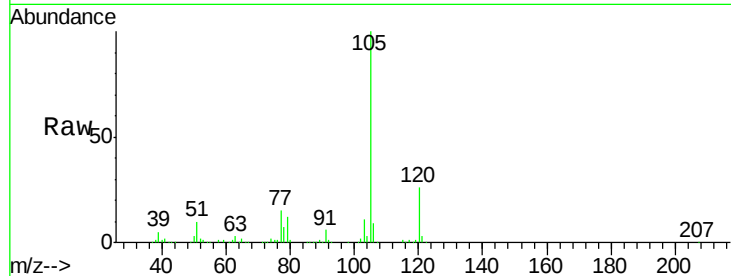
#73
Isopropylbenzene
Concen: 20.330 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.3

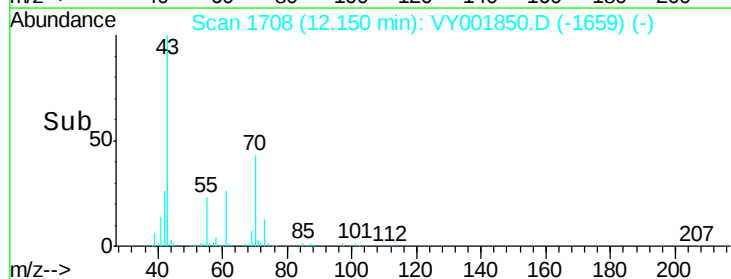
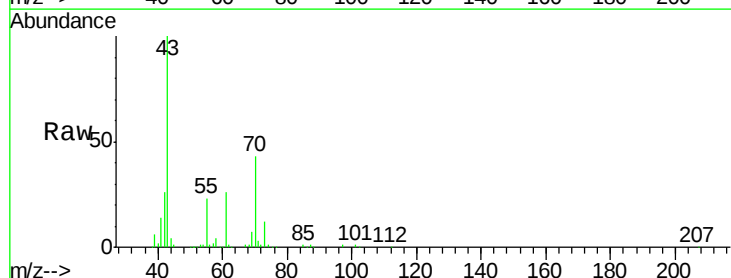
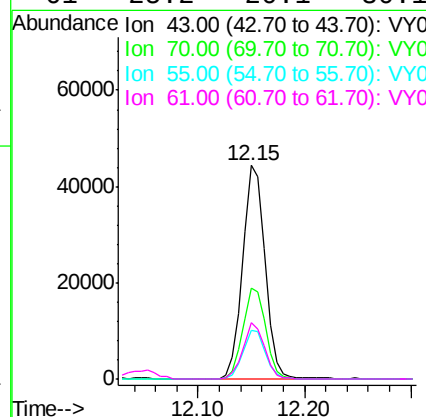
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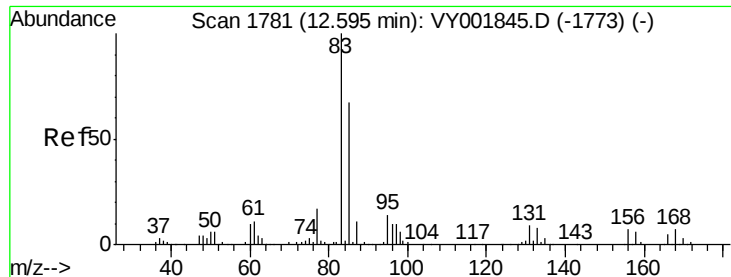
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#74
N-ethyl acetate
Concen: 20.669 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.7	52.1
55	23.1	18.2	27.4
61	25.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.541 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

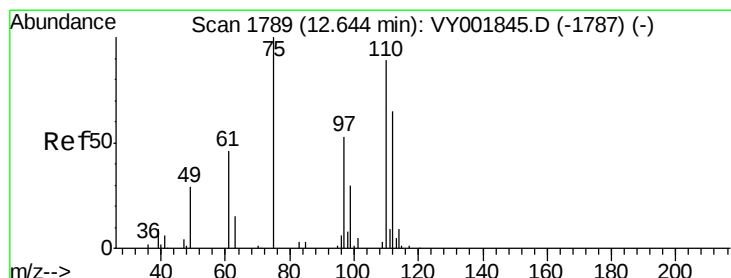
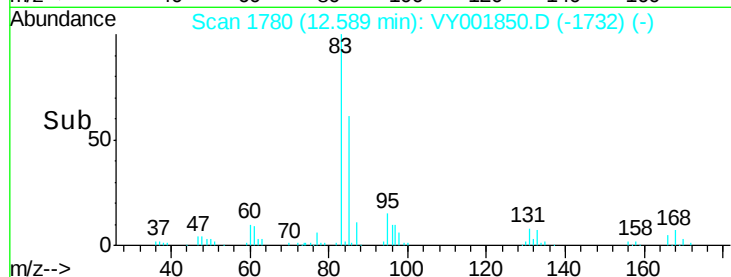
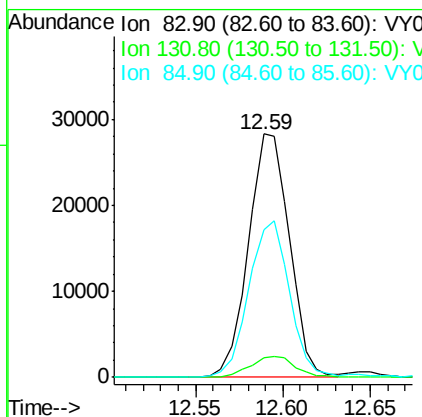
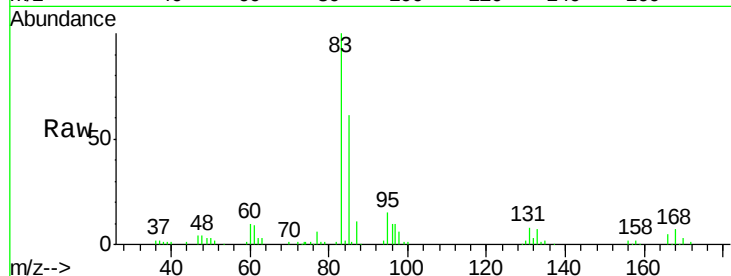
ClientSampleId :

VY0304SBS01

Tot Ion:	83	Resp:	46127
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	63.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.290 ug/l m

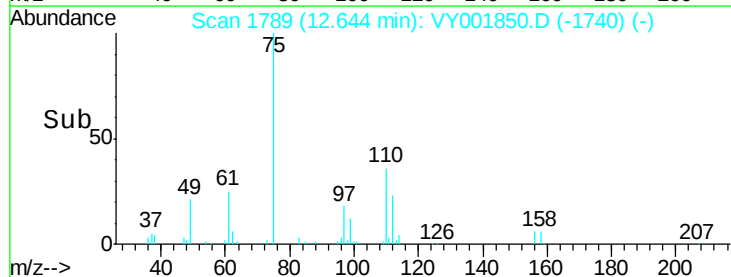
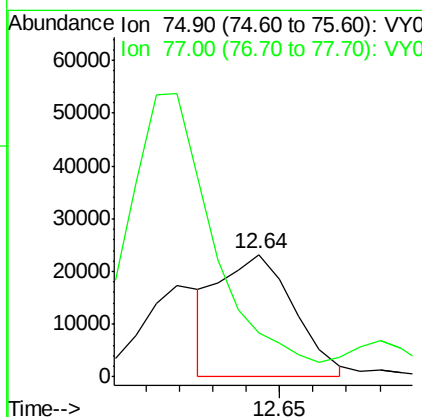
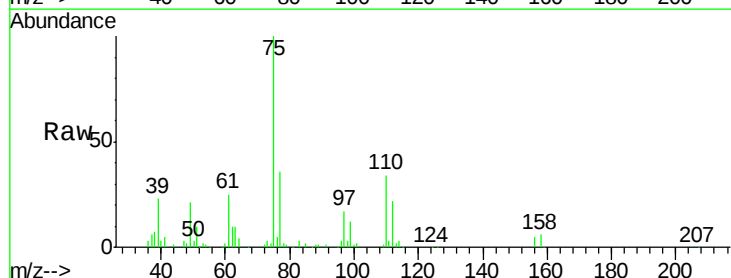
RT: 12.64 min Scan# 1789

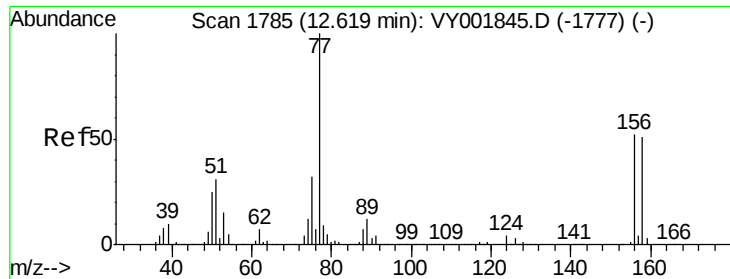
Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	75	Resp:	36079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.115 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:156 Resp: 44379

Ion Ratio Lower Upper

156 100

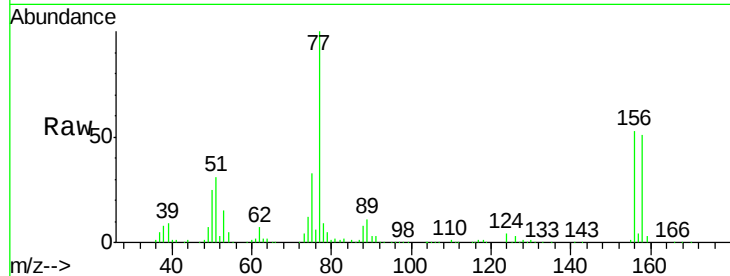
77 218.4 109.0 327.0

158 98.3 48.9 146.8

Manual Integrations
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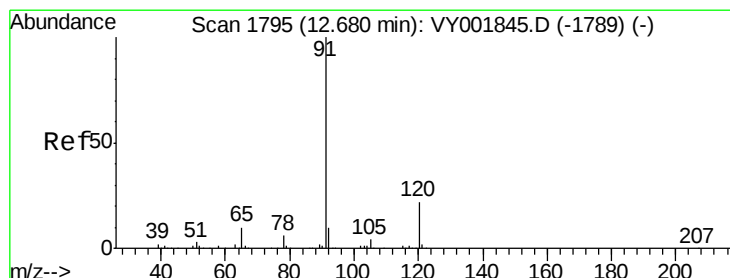
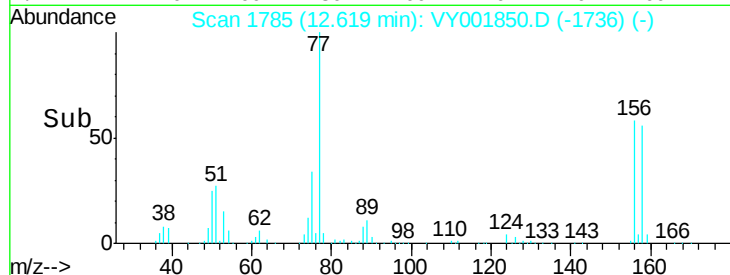
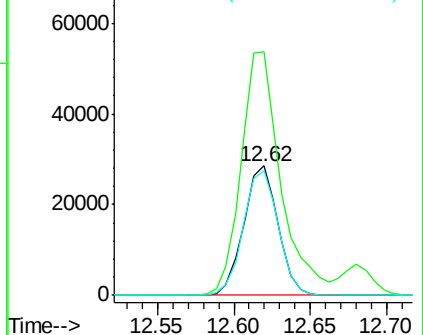
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.674 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001850.D

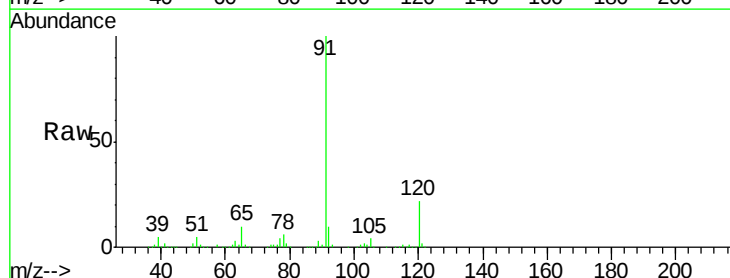
Acq: 04 Mar 2020 14:02

Tgt Ion: 91 Resp: 265597

Ion Ratio Lower Upper

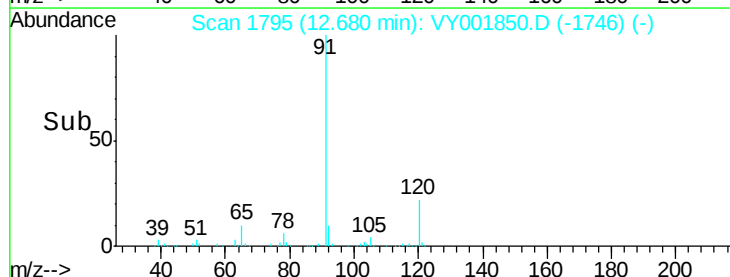
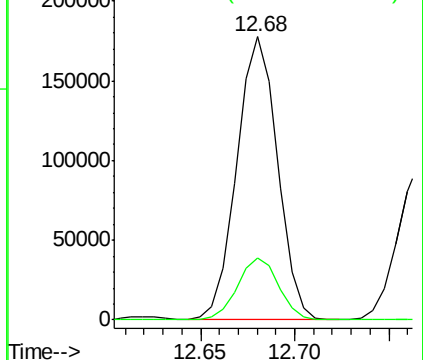
91 100

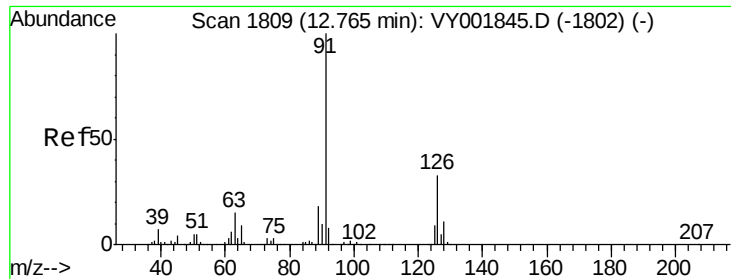
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





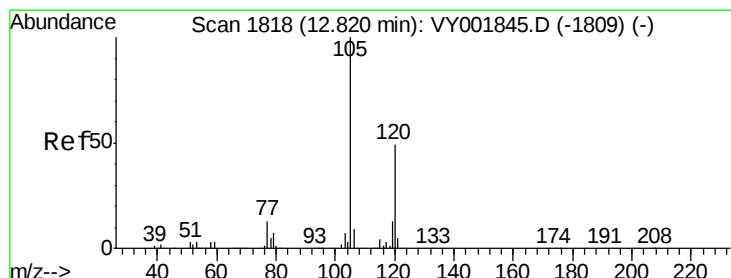
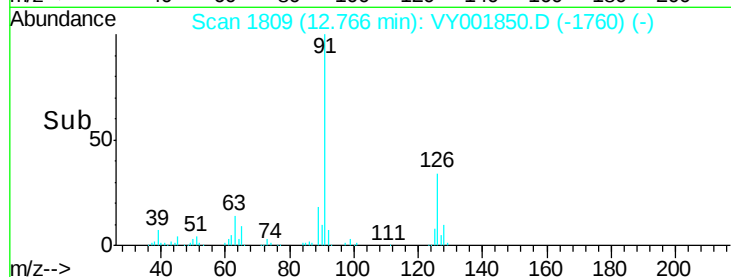
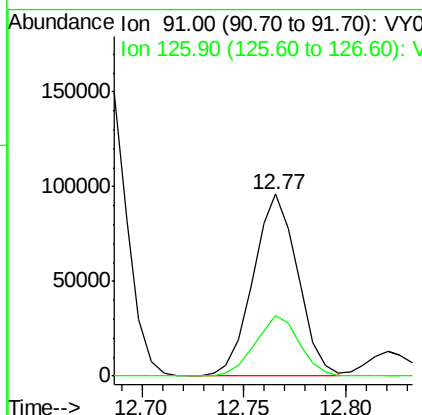
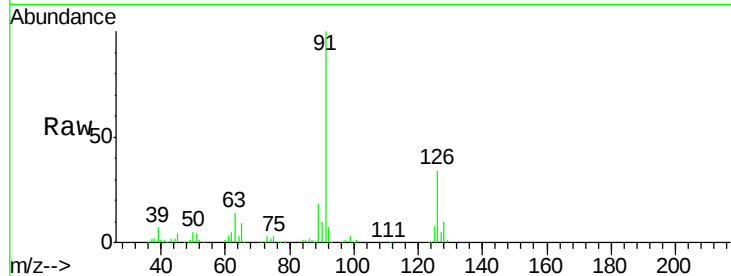
#79
 2-Chlorotoluene
 Concen: 20.658 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion: 91 Resp: 146623
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.8

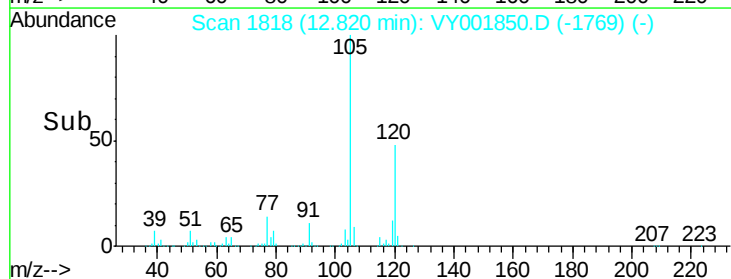
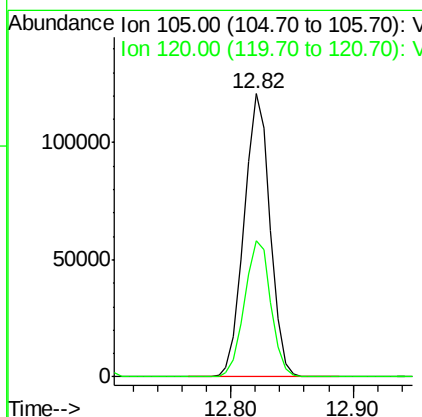
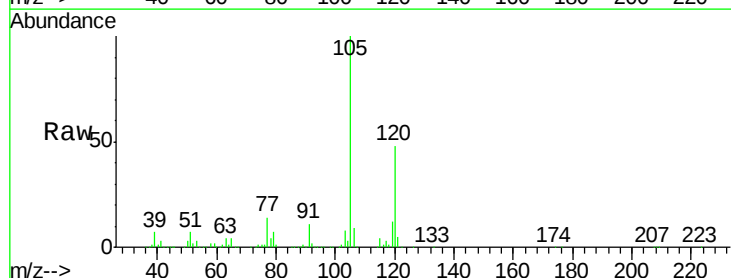
Manual Integrations
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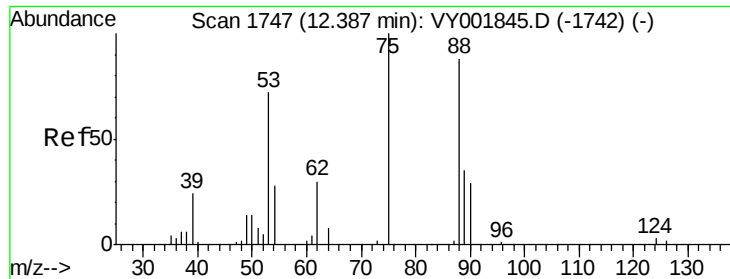
MMDadoda
 3/5/2020 1:37:18 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.743 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion: 105 Resp: 177826
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





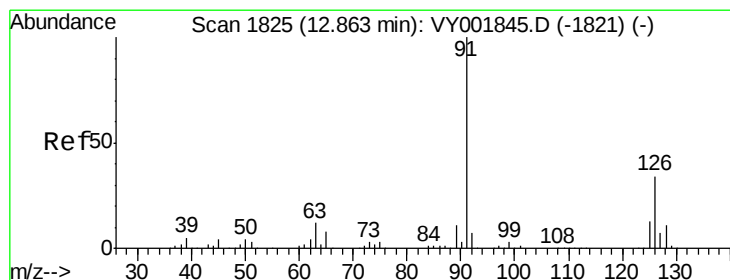
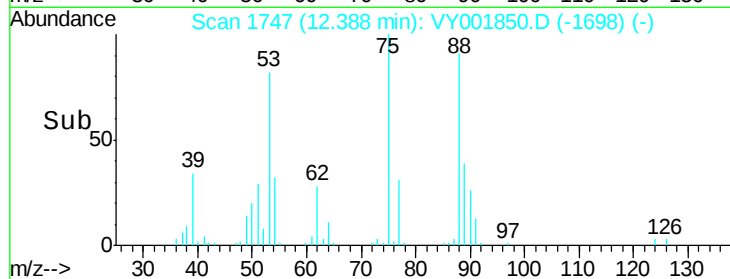
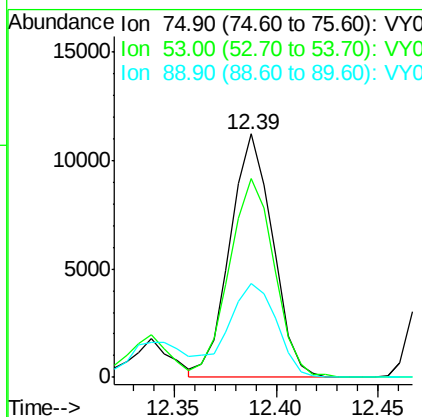
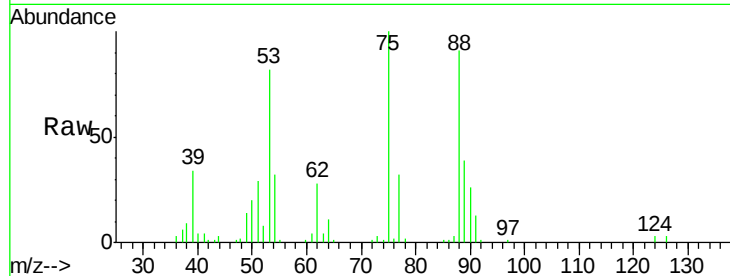
#81
trans-1,4-Dichloro-2-butene
Concen: 20.389 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	65.4	98.0
89	45.4	36.0	54.0

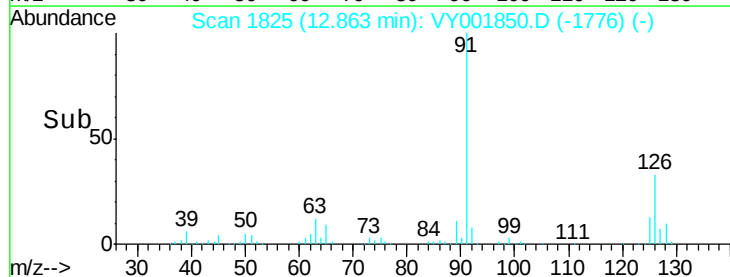
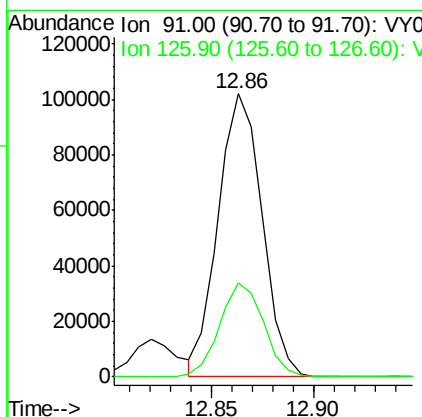
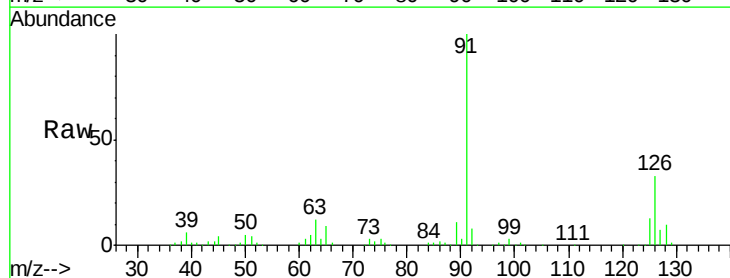
Manual Integrations
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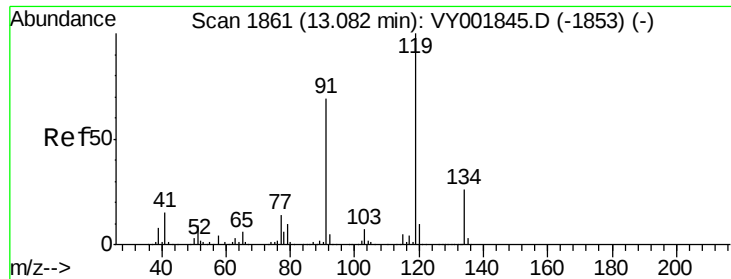
MMDadoda
3/5/2020 1:37:18 PM



#82
4-Chlorotoluene
Concen: 20.580 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





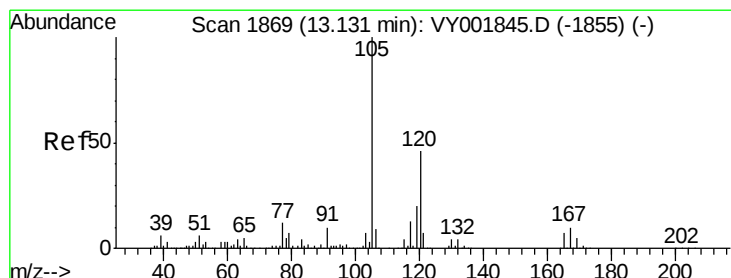
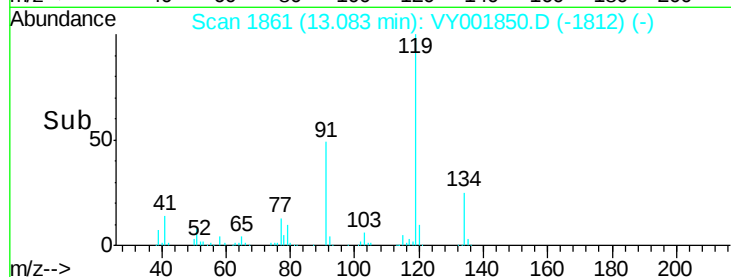
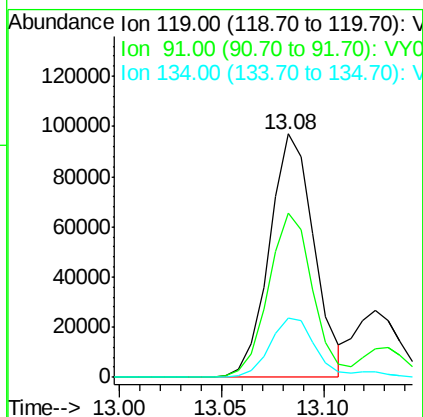
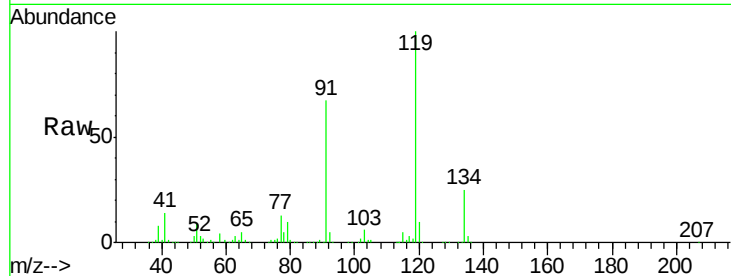
#83
tert-Butylbenzene
Concen: 20.733 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.0	101.8
134	26.4	13.5	40.4

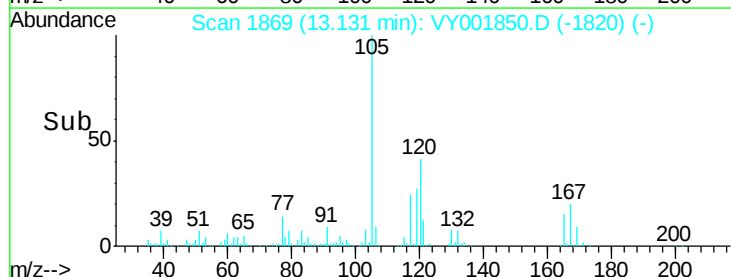
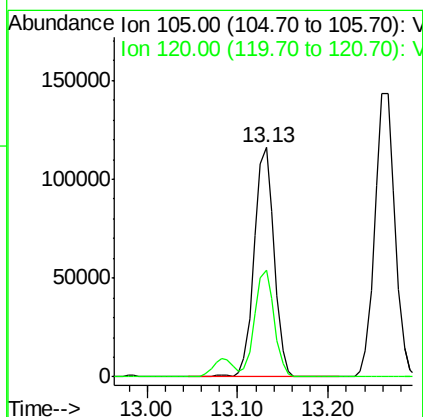
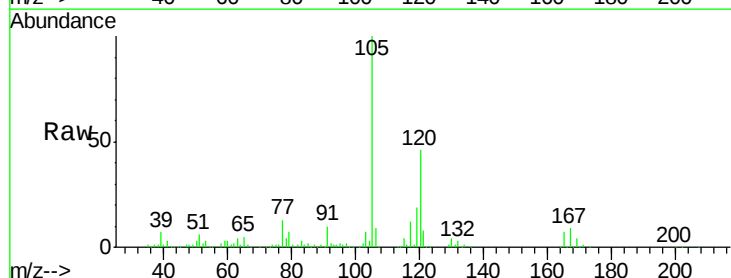
Manual Integrations
APPROVED

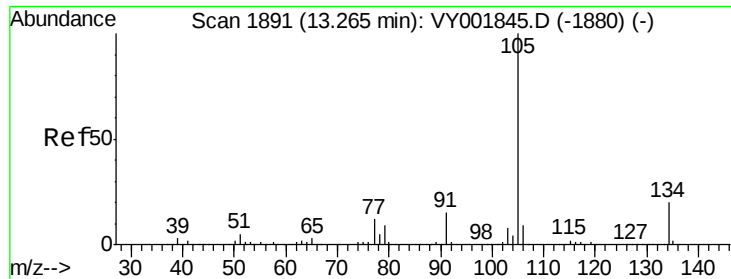
MMDadoda
3/5/2020 1:37:18 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.684 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.936 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:105 Resp: 219727

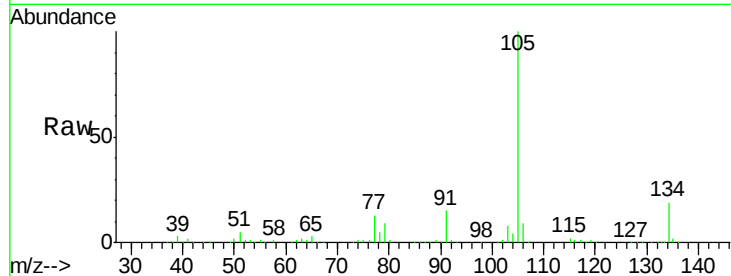
Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1

Manual Integrations
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3/5/2020 1:37:18 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

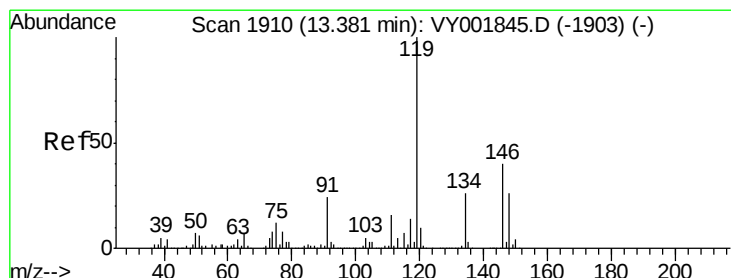
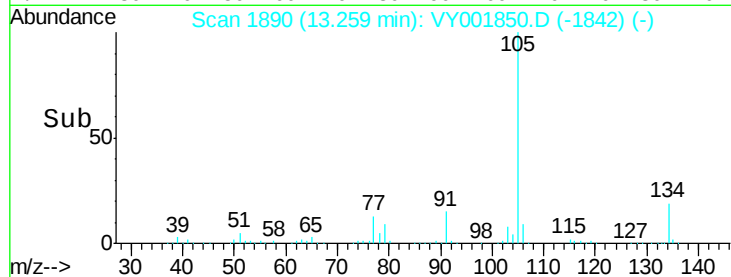
150000

100000

50000

0

Time--> 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 21.133 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

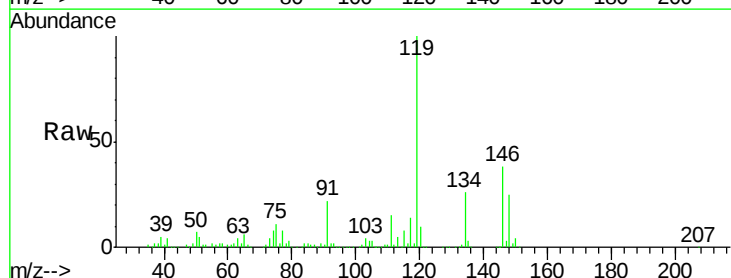
Tgt Ion:119 Resp: 191326

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 23.4 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

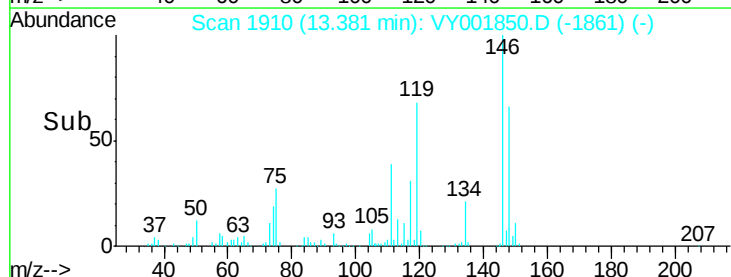
150000

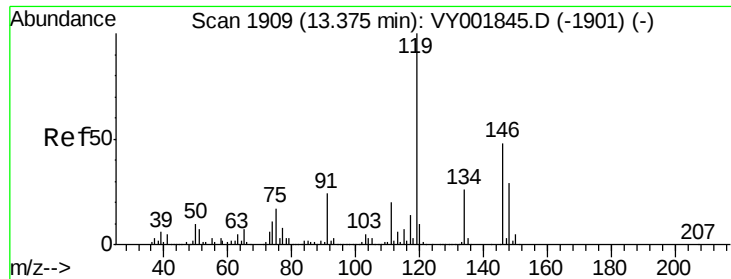
100000

50000

0

Time--> 13.30 13.35 13.40 13.45





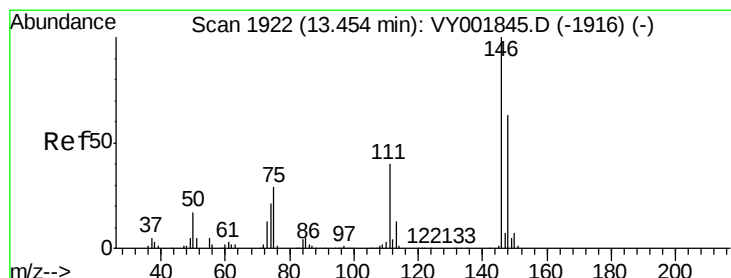
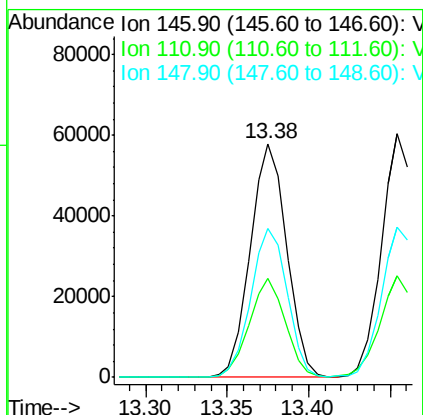
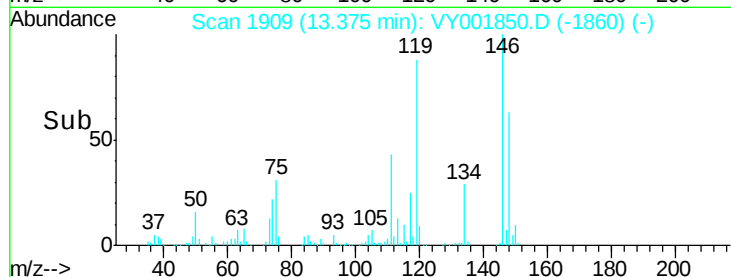
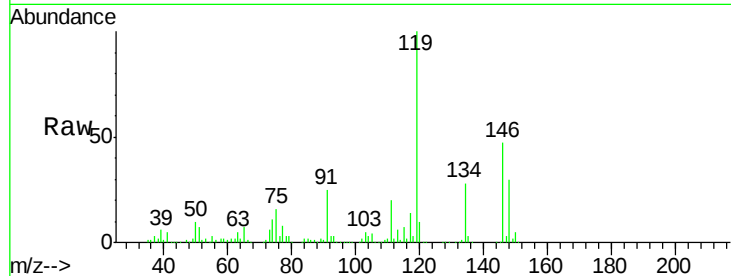
#87
 1,3-Dichlorobenzene
 Concen: 20.819 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.5
148	63.6	31.4	94.0

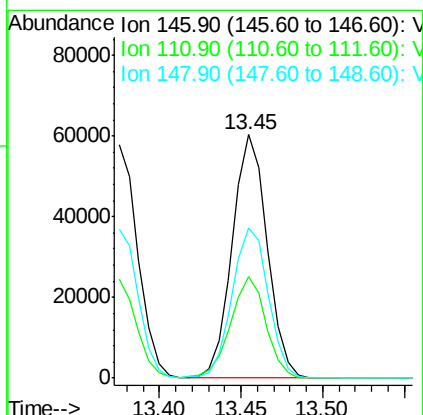
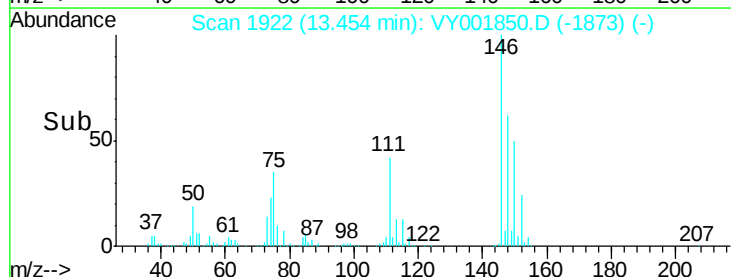
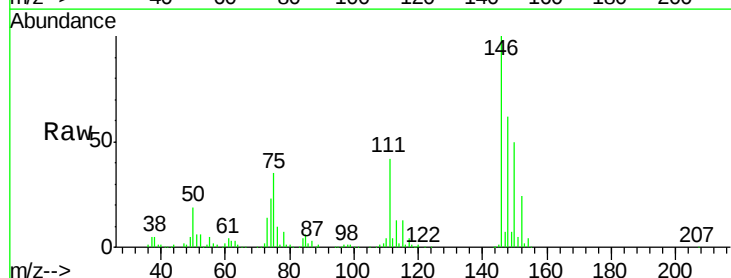
Manual Integrations
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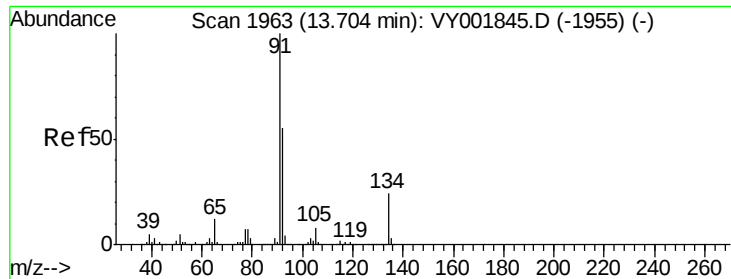
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#88
 1,4-Dichlorobenzene
 Concen: 20.492 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	60.0
148	64.2	31.5	94.5





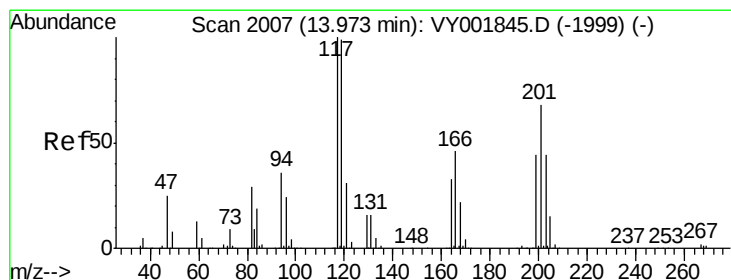
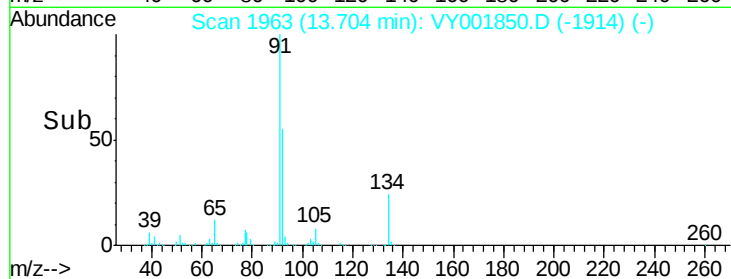
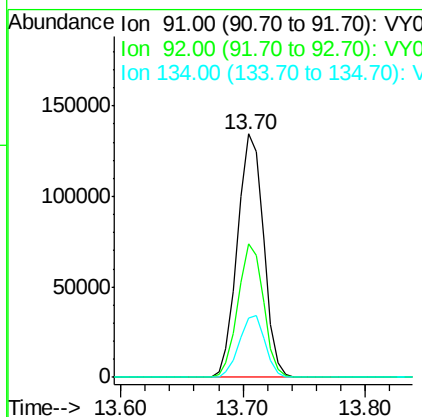
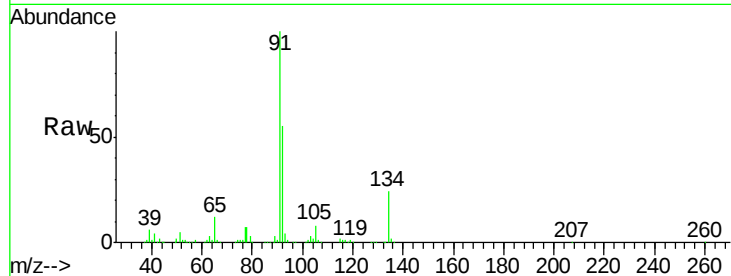
#89
n-Butylbenzene
Concen: 21.089 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198090		
92	53.7		27.5	82.4
134	25.1		12.5	37.5

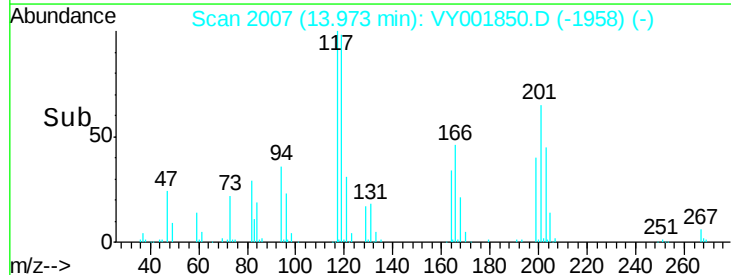
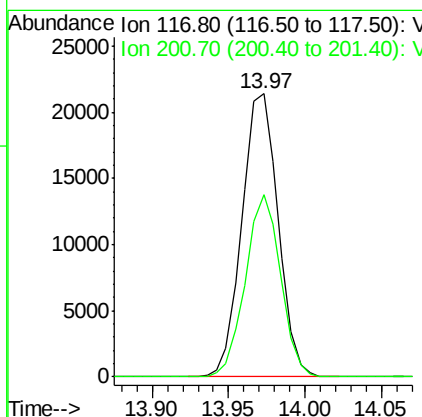
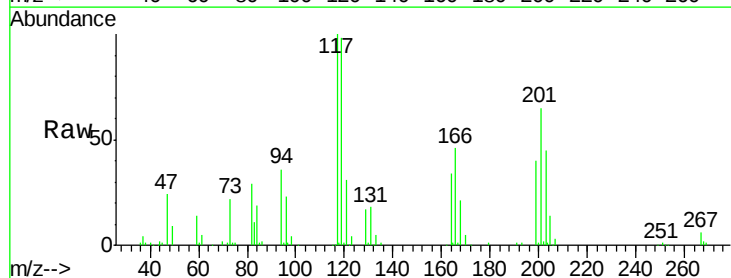
Manual Integrations
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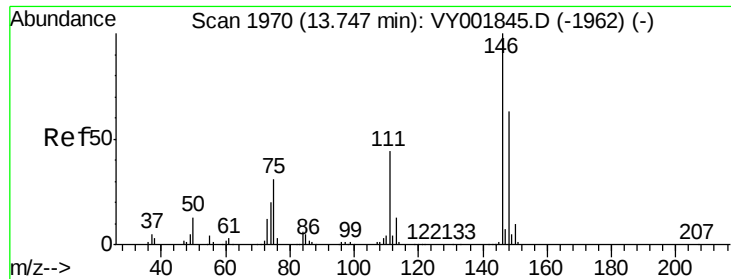
MMDadoda
3/5/2020 1:37:18 PM



#90
Hexachloroethane
Concen: 20.636 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35245		
201	62.4		32.5	97.5





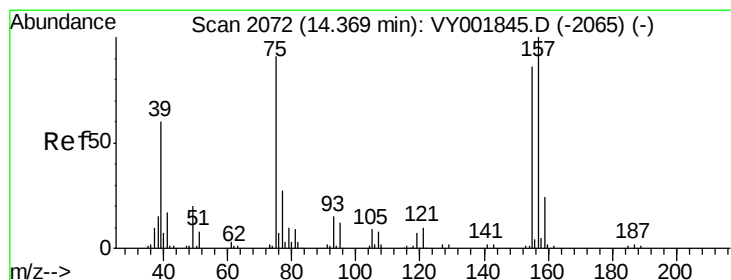
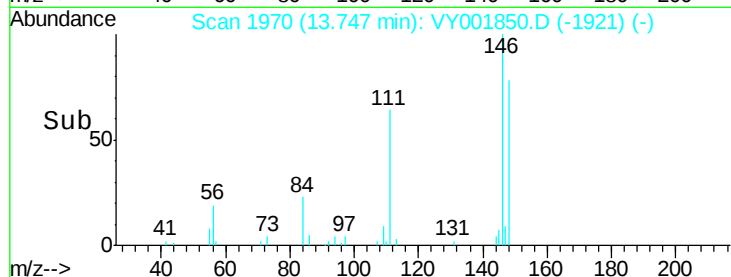
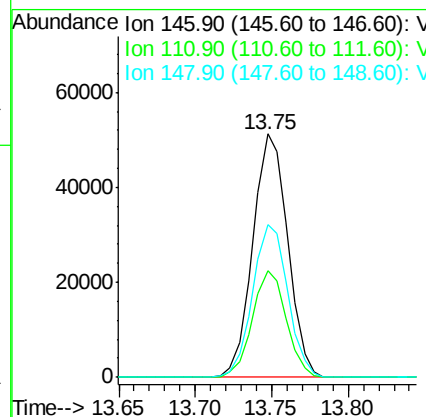
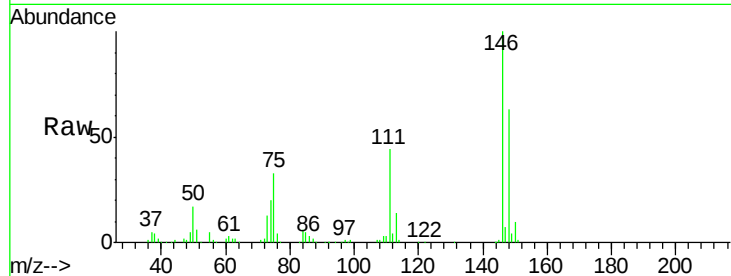
#91
 1,2-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.1	32.0	96.0

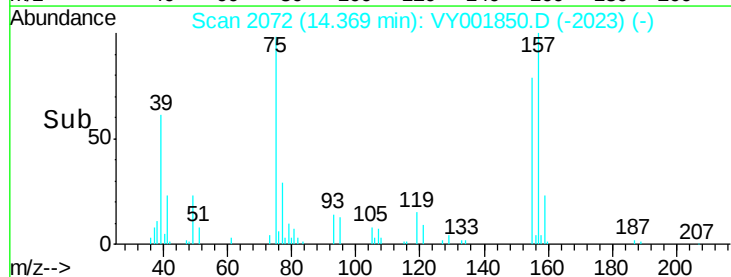
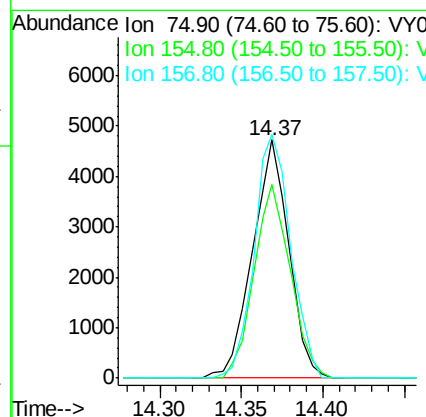
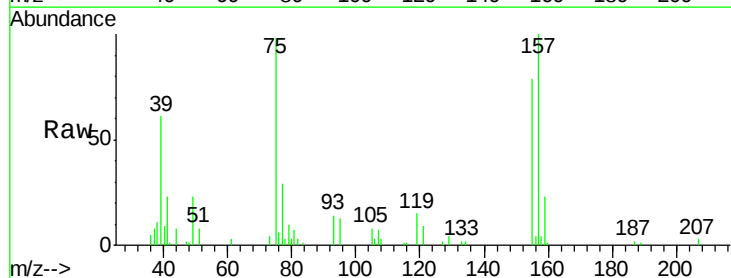
Manual Integrations
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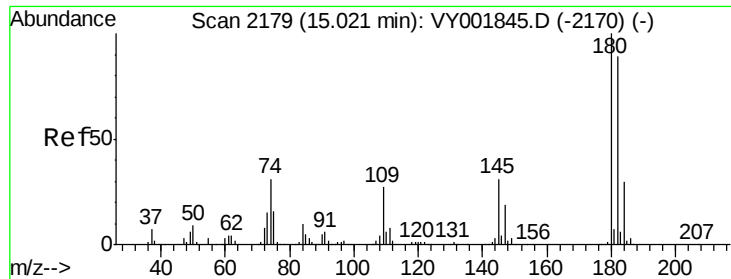
MMDadoda
 3/5/2020 1:37:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.781 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001850.D
 Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	42.9	128.7
157	102.9	53.1	159.4





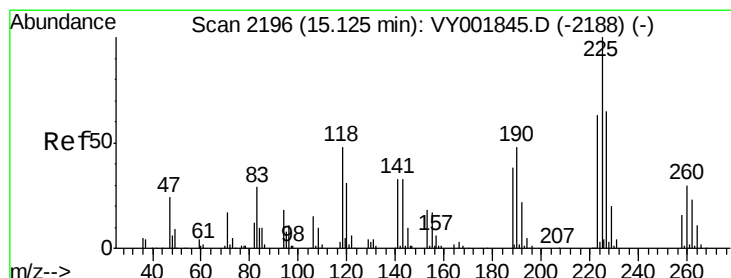
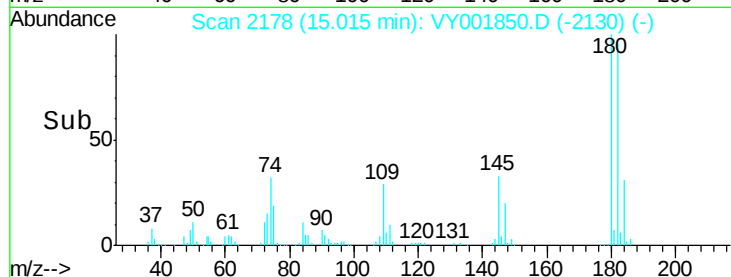
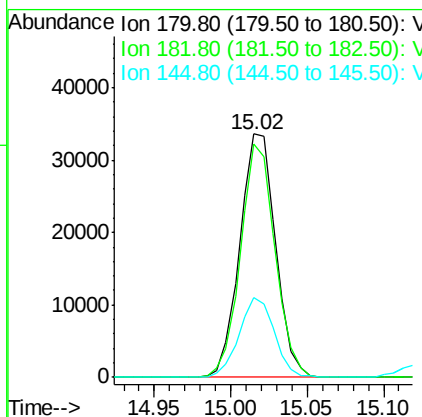
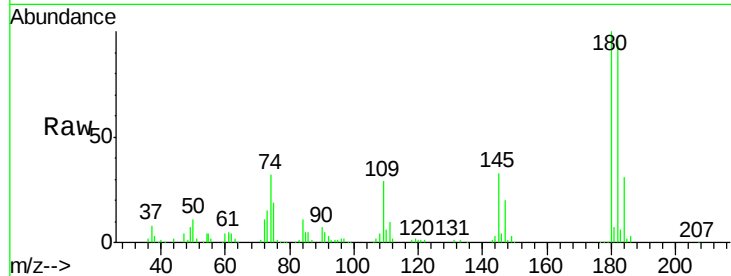
#93
1,2,4-Trichlorobenzene
Concen: 21.340 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.1	138.3
145	32.3	15.6	46.8

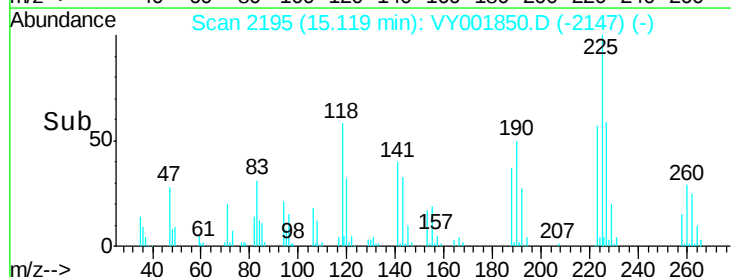
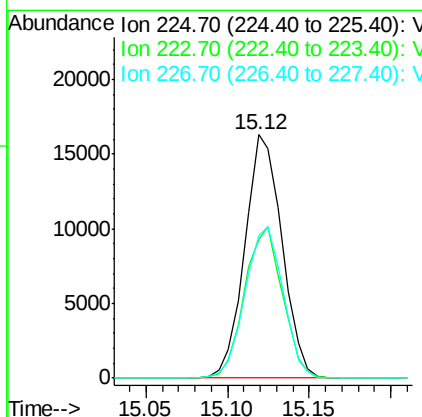
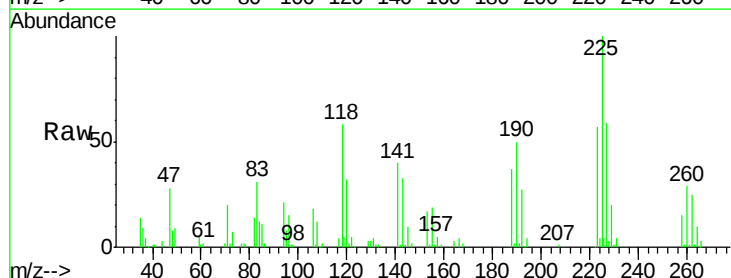
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:18 PM



#94
Hexachlorobutadiene
Concen: 20.797 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001850.D
Acq: 04 Mar 2020 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	63.7	31.9	95.5





#95

Naphthalene

Concen: 20.630 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Instrument :

MSVOA_Y

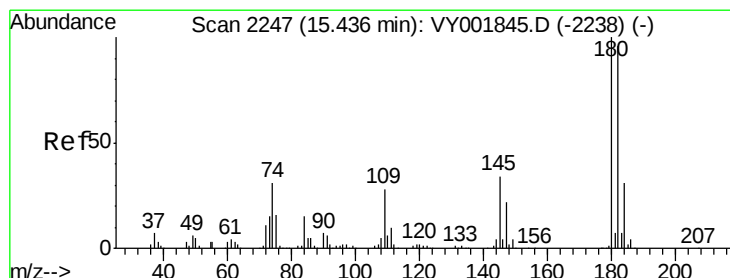
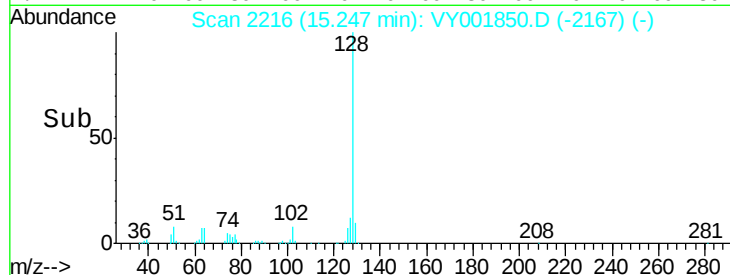
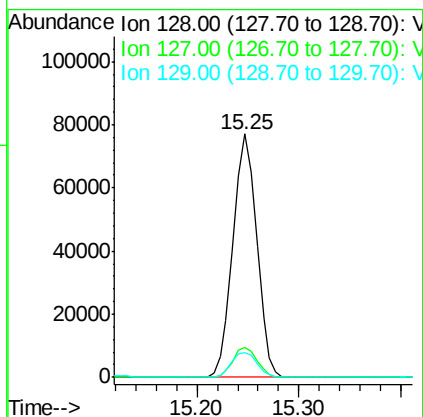
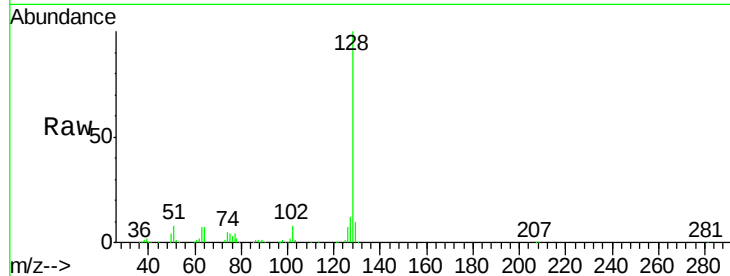
ClientSampleId :

VY0304SBS01

Tot Ion:	128	Resp:	124642
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.948 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001850.D

Acq: 04 Mar 2020 14:02

Tgt Ion:	180	Resp:	47006
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.9
145	33.6	16.8	50.3

