

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001870.D
 Acq On : 05 Mar 2020 10:55
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:45 AM

Quant Time: Mar 06 04:52:12 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	7.80	168	179504	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	324591	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	291193	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	137512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	95203	49.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.36%	
35) Dibromofluoromethane	7.73	113	87927	49.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.22%	
50) Toluene-d8	10.18	98	370391	49.56	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.49	95	126172	48.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	31896	19.250	ug/l	99
3) Chloromethane	2.12	50	48639	21.773	ug/l	100
4) Vinyl Chloride	2.26	62	44993	19.801	ug/l	98
5) Bromomethane	2.65	94	31094	19.906	ug/l	100
6) Chloroethane	2.80	64	28892	20.241	ug/l	99
7) Trichlorofluoromethane	3.13	101	61089	19.823	ug/l	99
8) Diethyl Ether	3.54	74	24379	20.072	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40107	20.235	ug/l	98
10) Methyl Iodide	4.10	142	42002	18.324	ug/l	99
11) Tert butyl alcohol	4.98	59	18416	76.694	ug/l	100
12) 1,1-Dichloroethene	3.89	96	39515	19.799	ug/l	95
13) Acrolein	3.75	56	26946	100.064	ug/l	96
14) Allyl chloride	4.50	41	70585	19.950	ug/l	100
15) Acrylonitrile	5.18	53	65917	101.562	ug/l	99
16) Acetone	3.96	43	53969	96.693	ug/l	98
17) Carbon Disulfide	4.21	76	131764	19.640	ug/l	99
18) Methyl Acetate	4.49	43	28686	20.002	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	108414	20.046	ug/l	98
20) Methylene Chloride	4.74	84	48252	20.171	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	44398	19.600	ug/l	95
22) Diisopropyl ether	6.13	45	145270	20.030	ug/l	99
23) Vinyl Acetate	6.08	43	475628	100.038	ug/l	98
24) 1,1-Dichloroethane	6.04	63	77306	19.684	ug/l	99
25) 2-Butanone	7.00	43	82479	97.172	ug/l	97
26) 2,2-Dichloropropane	7.00	77	63105	19.576	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	49418	20.055	ug/l	99
28) Bromochloromethane	7.35	49	35927	20.295	ug/l	97
29) Tetrahydrofuran	7.36	42	56862	100.881	ug/l	100
30) Chloroform	7.52	83	73308	19.867	ug/l	99
31) Cyclohexane	7.80	56	82421	19.572	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	61610	19.810	ug/l	98
36) 1,1-Dichloropropene	7.93	75	61753	19.770	ug/l	99
37) Ethyl Acetate	7.09	43	36186	19.933	ug/l	99
38) Carbon Tetrachloride	7.91	117	53097	19.899	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81625	19.703	ug/l	98
40) Benzene	8.17	78	184003	19.875	ug/l	100
41) Methacrylonitrile	7.33	41	19073m	23.345	ug/l	
42) 1,2-Dichloroethane	8.25	62	48277	20.236	ug/l	99
43) Isopropyl Acetate	8.28	43	67227	19.559	ug/l	99
44) Trichloroethene	8.94	130	43877	19.460	ug/l	98
45) 1,2-Dichloropropane	9.22	63	46096	19.806	ug/l	99
46) Dibromomethane	9.31	93	24006	20.016	ug/l	99
47) Bromodichloromethane	9.50	83	55314	19.826	ug/l	97
48) Methyl methacrylate	9.30	41	29800	19.539	ug/l	95
49) 1,4-Dioxane	9.30	88	6638	403.920	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	177290	100.144	ug/l	99
52) Toluene	10.25	92	112495	20.002	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61151	20.118	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	72571	20.056	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	34470	19.639	ug/l	96
56) Ethyl methacrylate	10.52	69	51794	20.132	ug/l	96
57) 1,3-Dichloropropane	10.80	76	61208	19.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	129031	127.749	ug/l	100
59) 2-Hexanone	10.84	43	126992	100.501	ug/l	99
60) Dibromochloromethane	10.99	129	36040	19.486	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32640	19.632	ug/l	98
64) Tetrachloroethene	10.72	164	35378	19.373	ug/l	97
65) Chlorobenzene	11.52	112	114705	19.769	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	37781	19.856	ug/l	99
67) Ethyl Benzene	11.60	91	214931	19.862	ug/l	97
68) m/p-Xylenes	11.70	106	159746	39.930	ug/l	100
69) o-Xylene	12.03	106	74769	19.829	ug/l	98
70) Styrene	12.05	104	130951	20.277	ug/l	99
71) Bromoform	12.21	173	20961	20.314	ug/l #	99
73) Isopropylbenzene	12.33	105	201128	19.160	ug/l	99
74) N-amyl acetate	12.14	43	61762	19.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	43791	19.345	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28447m	17.434	ug/l	
77) Bromobenzene	12.61	156	42748	19.221	ug/l	99
78) n-propylbenzene	12.67	91	252862	19.525	ug/l	100
79) 2-Chlorotoluene	12.76	91	138152	19.309	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	169963	19.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15913	19.700	ug/l	98
82) 4-Chlorotoluene	12.86	91	146246	19.631	ug/l	100
83) tert-Butylbenzene	13.08	119	139589	19.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	167196	19.495	ug/l	99
85) sec-Butylbenzene	13.26	105	207651	19.627	ug/l	99
86) p-Isopropyltoluene	13.38	119	182258	19.970	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	85897	19.709	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	86744	19.619	ug/l	99
89) n-Butylbenzene	13.70	91	186126	19.657	ug/l	99
90) Hexachloroethane	13.97	117	32794	19.047	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	76706	19.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6936	19.635	ug/l	95

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QLast Update : Thu Mar 05 04:05:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51864	20.198	ug/l	99
94) Hexachlorobutadiene	15.12	225	24508	19.577	ug/l	98
95) Naphthalene	15.24	128	119759	19.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	44933	19.864	ug/l	99

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

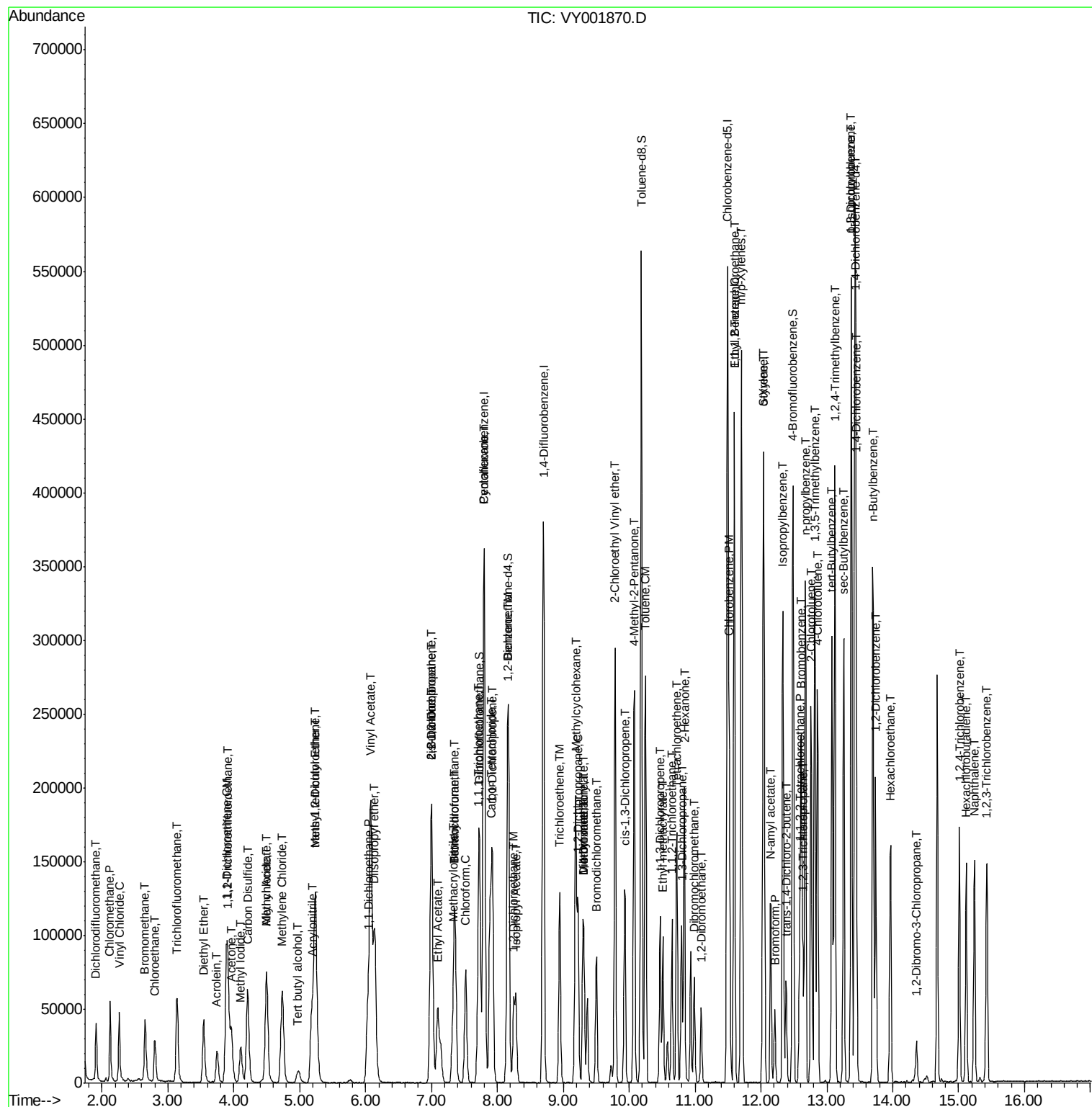
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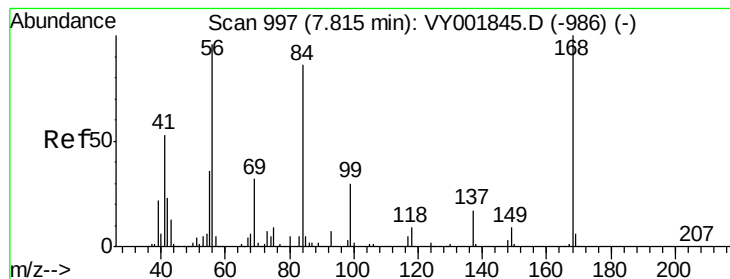
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion:168 Resp: 179504

Ion Ratio Lower Upper

168 100

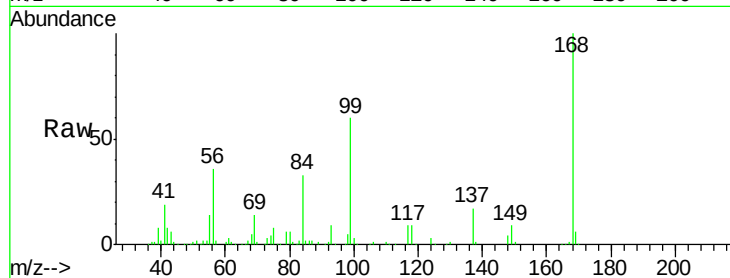
99 59.8 46.7 70.1

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) (-)

7.80

80000

60000

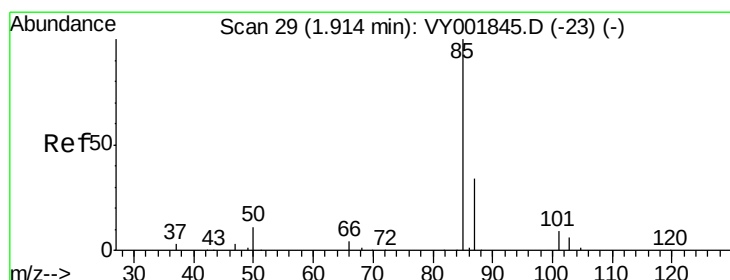
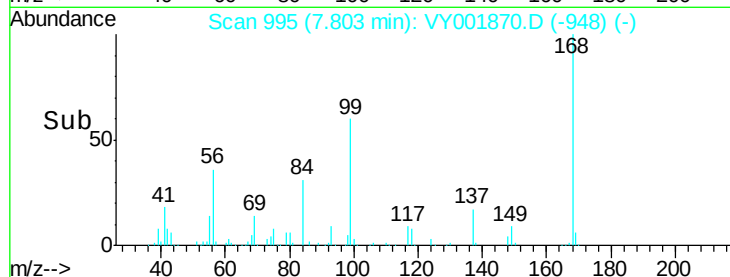
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.250 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001870.D

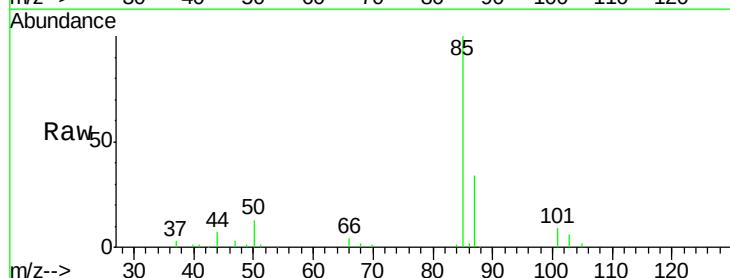
Acq: 05 Mar 2020 10:55

Tgt Ion: 85 Resp: 31896

Ion Ratio Lower Upper

85 100

87 33.9 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

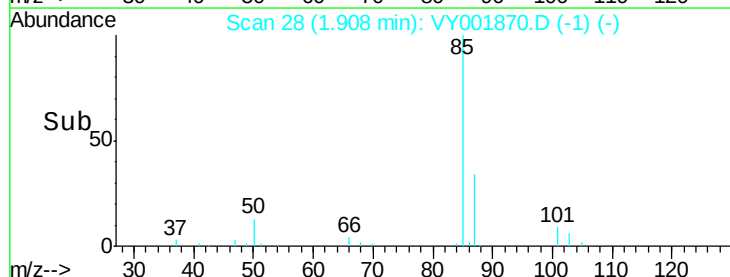
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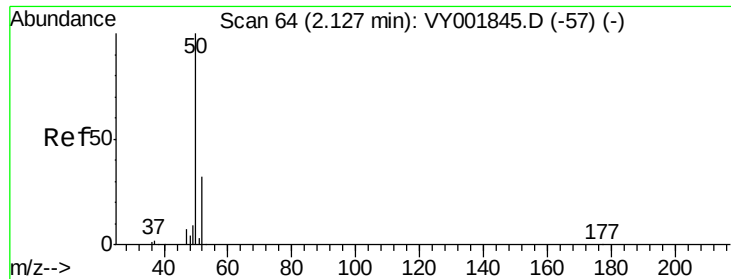
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 21.773 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 50 Resp: 48639

Ion Ratio Lower Upper

50 100

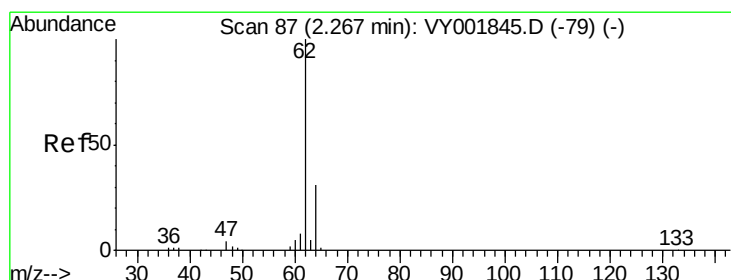
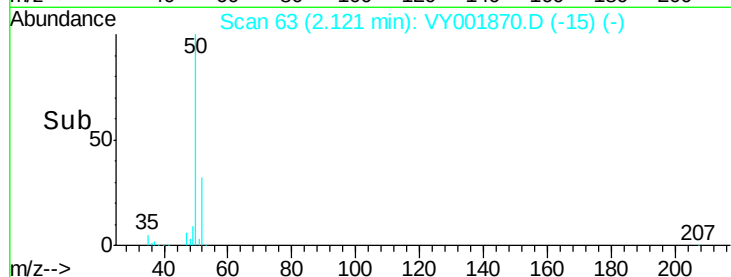
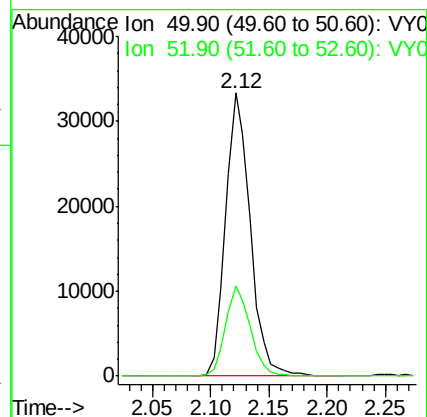
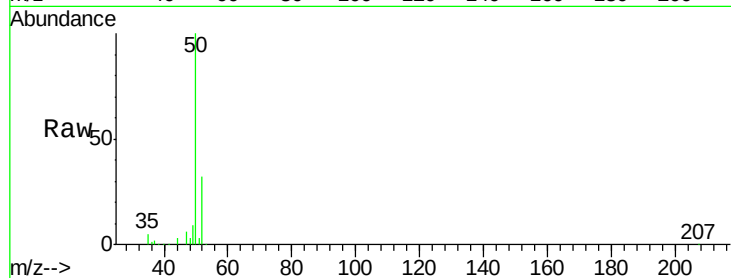
52 32.0 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.801 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001870.D

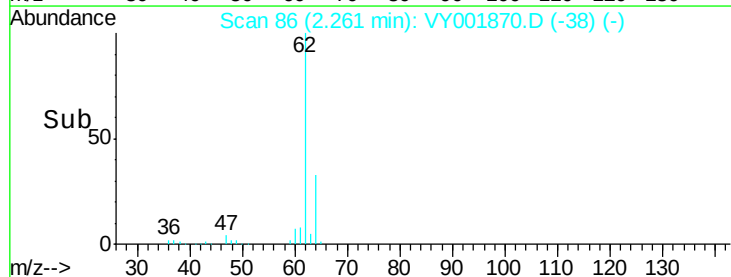
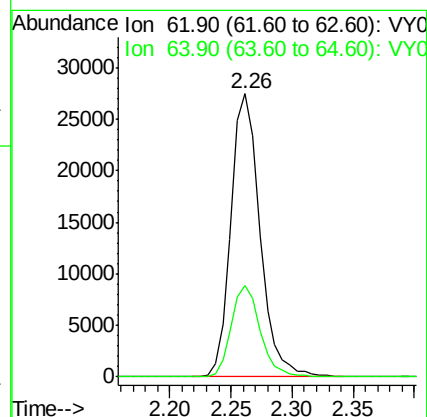
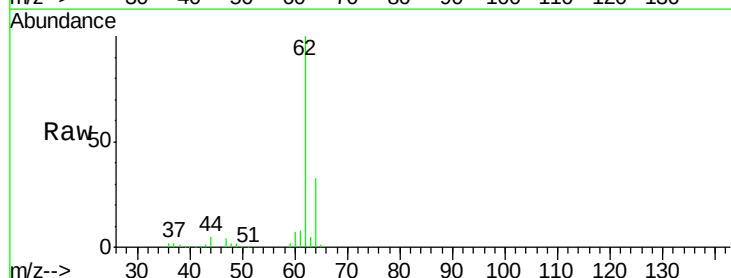
Acq: 05 Mar 2020 10:55

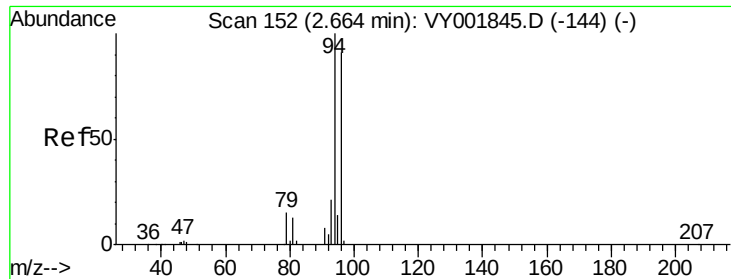
Tgt Ion: 62 Resp: 44993

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 19.906 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

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ClientSampleId :

VY0305SBS01

Tot Ion: 94 Resp: 31094

Ion Ratio Lower Upper

94 100

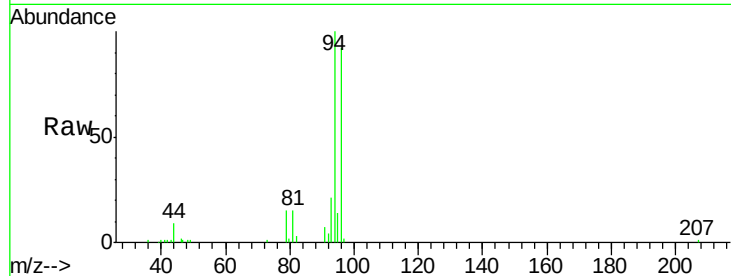
96 91.6 73.2 109.8

Manual Integrations

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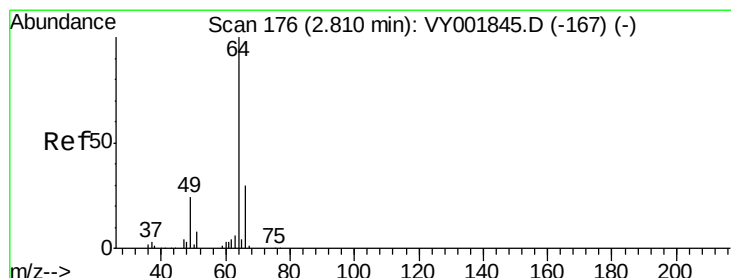
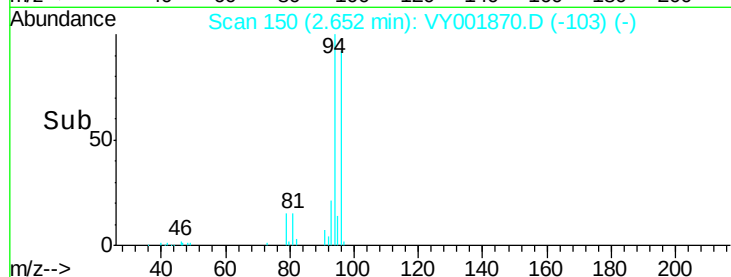
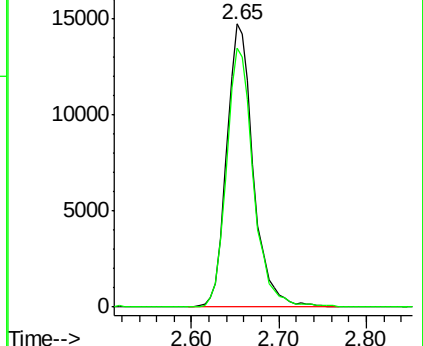
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.241 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001870.D

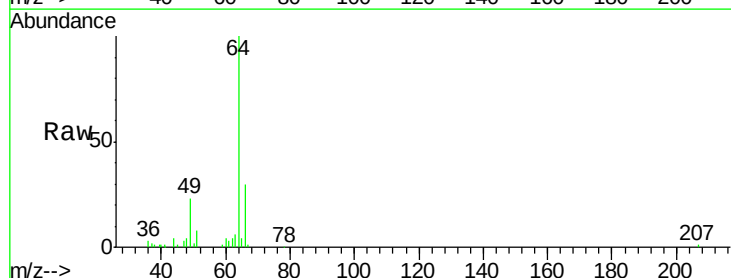
Acq: 05 Mar 2020 10:55

Tgt Ion: 64 Resp: 28892

Ion Ratio Lower Upper

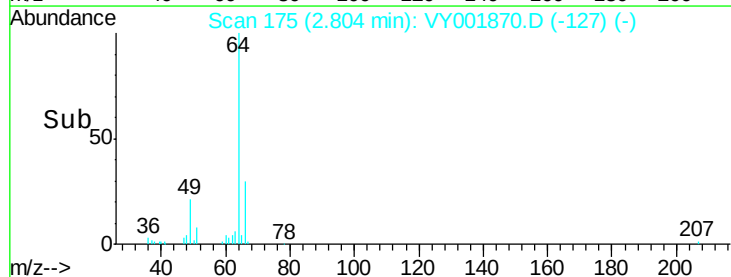
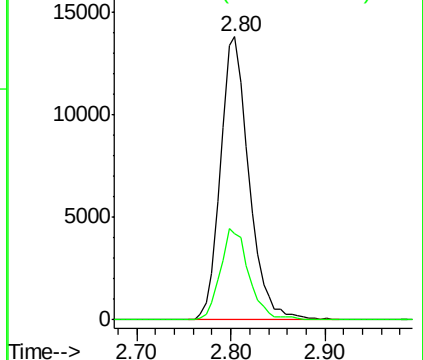
64 100

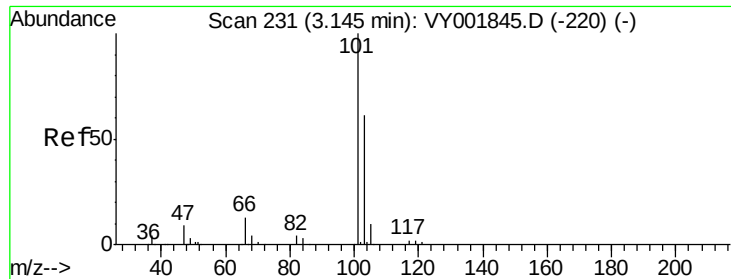
66 30.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

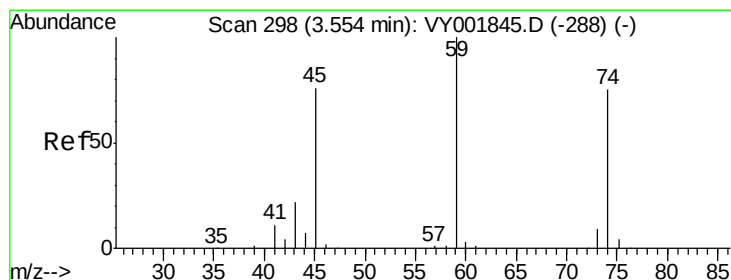
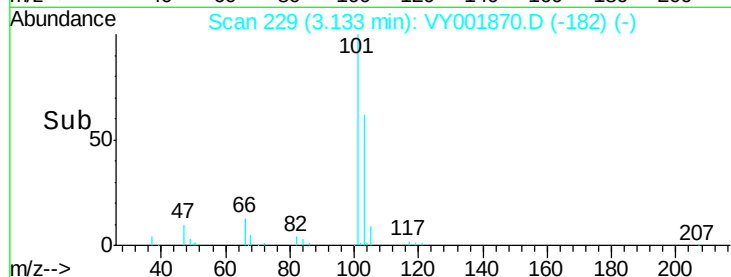
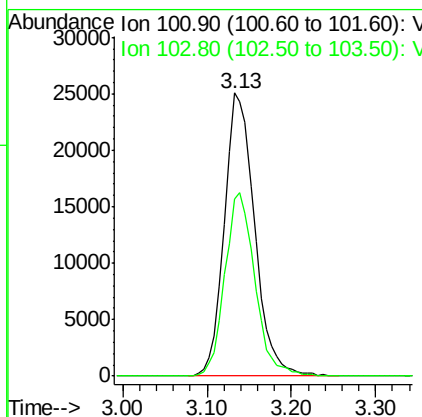
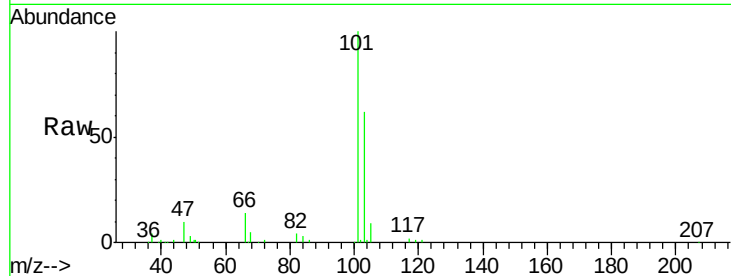
Trichlorofluoromethane
 Concen: 19.823 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001870.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.1	73.7

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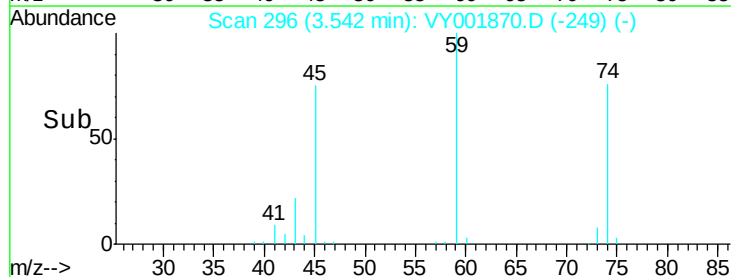
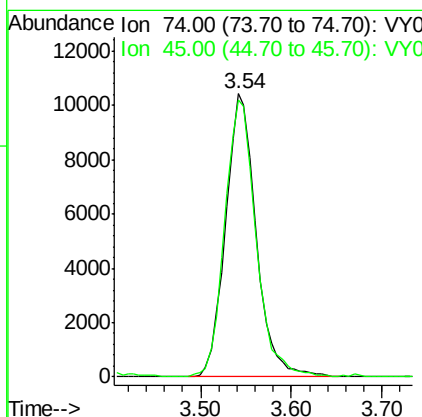
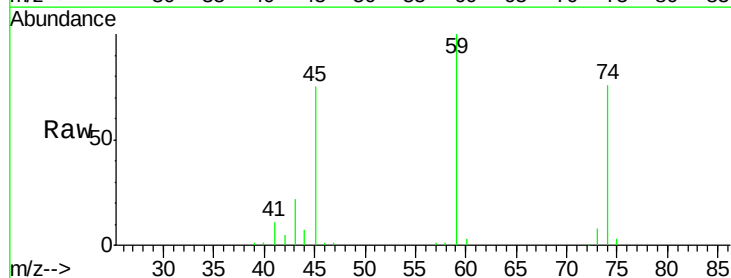
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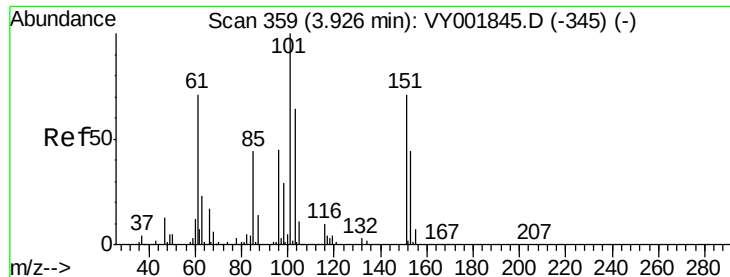


#8

Diethyl Ether
 Concen: 20.072 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001870.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.5	151.5





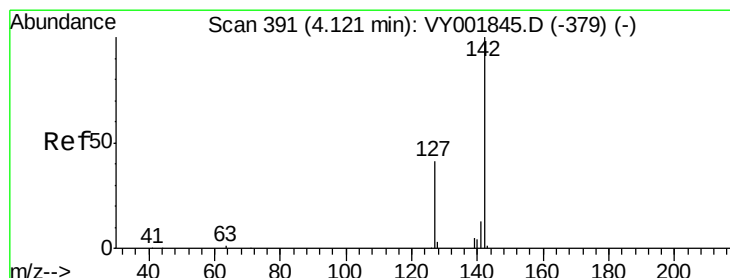
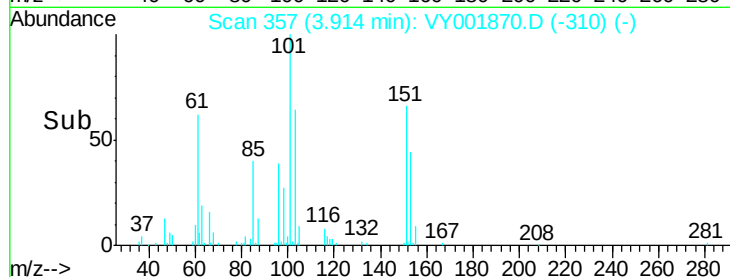
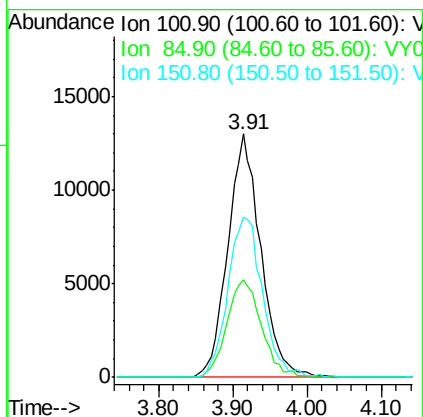
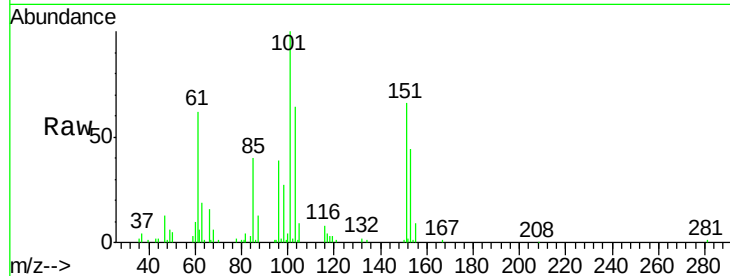
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.235 ug/l
 RT: 3.91 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	35.3	52.9
151	69.6	57.0	85.4

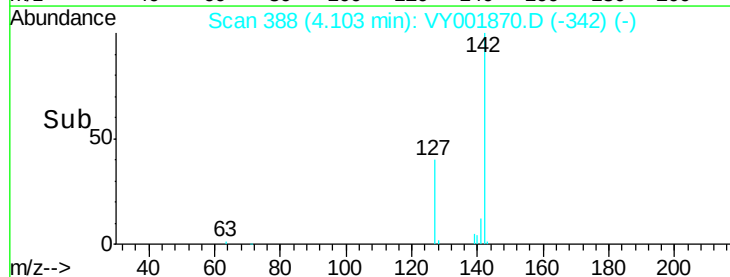
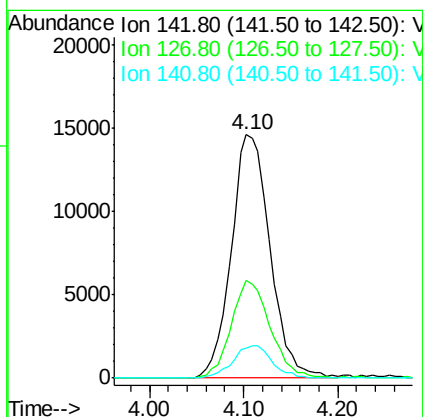
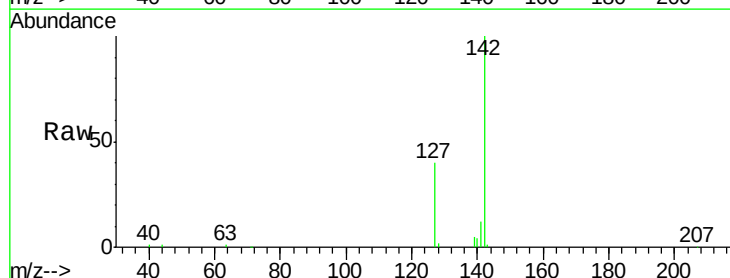
Manual Integrations
 APPROVED

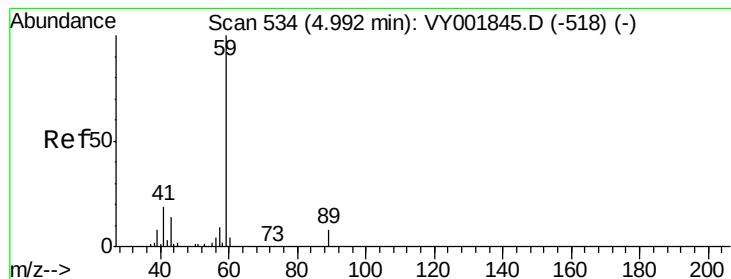
MMDadoda
 3/6/2020 11:16:45 AM



#10
 Methyl Iodide
 Concen: 18.324 ug/l
 RT: 4.10 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.2	32.7	49.1
141	13.3	11.0	16.6





#11

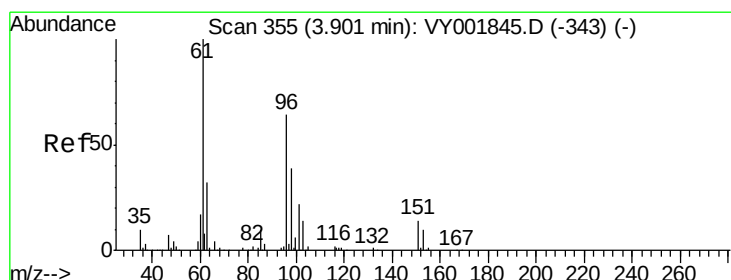
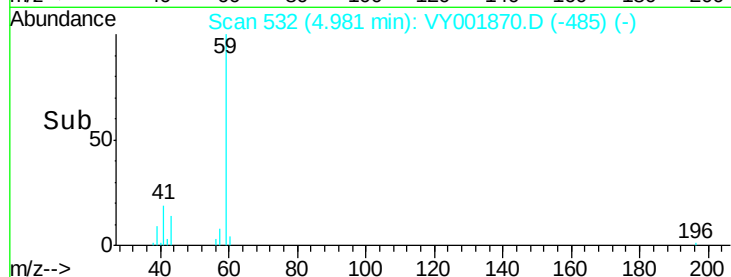
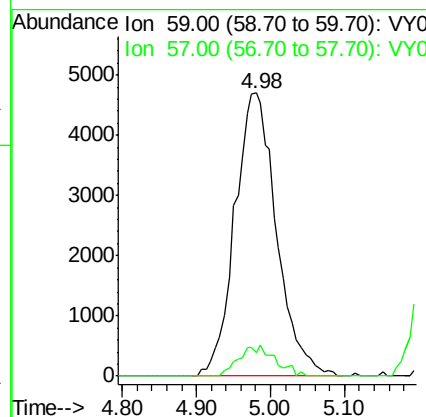
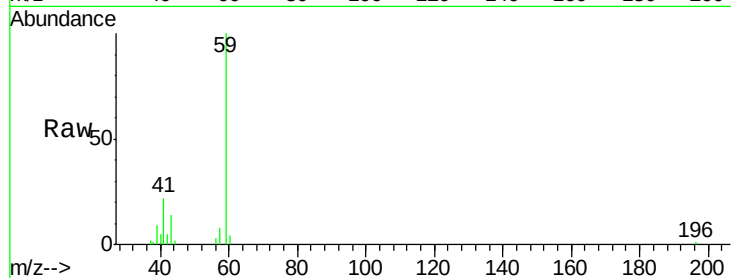
Tert butyl alcohol
Concen: 76.694 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	59	Resp	18416
Ion Ratio	100	Lower	Upper
57	9.4	7.4	11.2

Manual Integrations
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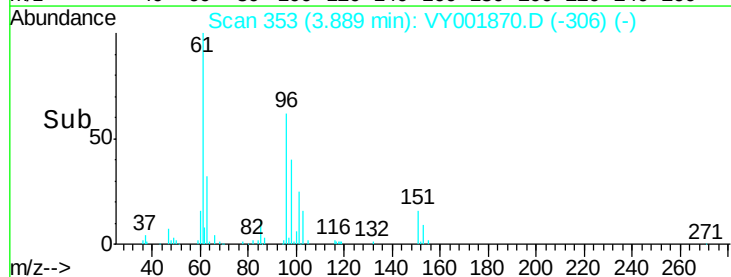
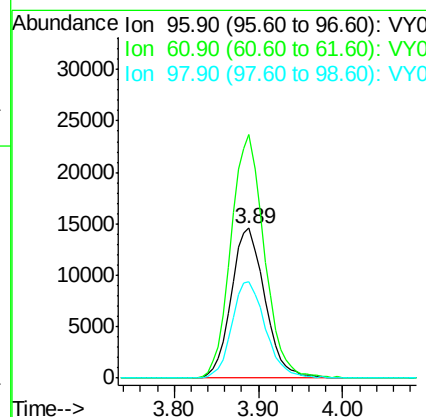
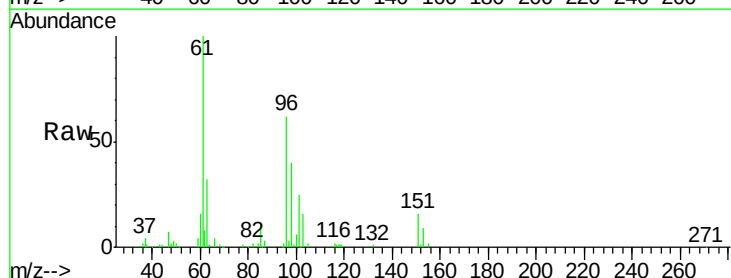
MMDadoda
3/6/2020 11:16:45 AM

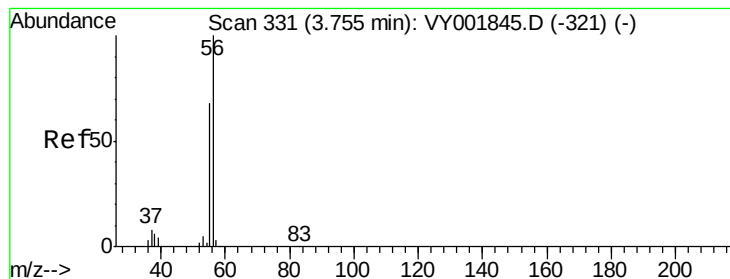


#12

1,1-Dichloroethene
Concen: 19.799 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	96	Resp	39515
Ion Ratio	100	Lower	Upper
61	162.6	124.8	187.2
98	64.8	49.2	73.8





#13

Acrolein

Concen: 100.064 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 56 Resp: 26946

Ion Ratio Lower Upper

56 100

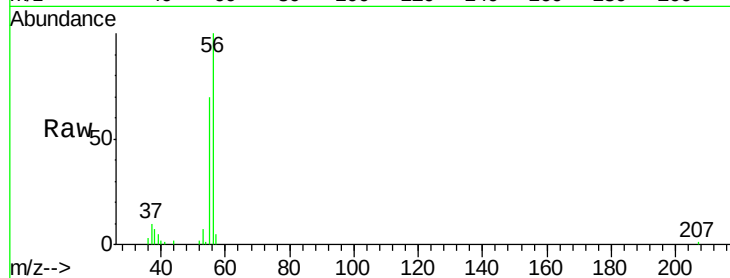
55 71.0 54.0 81.0

Manual Integrations

APPROVED

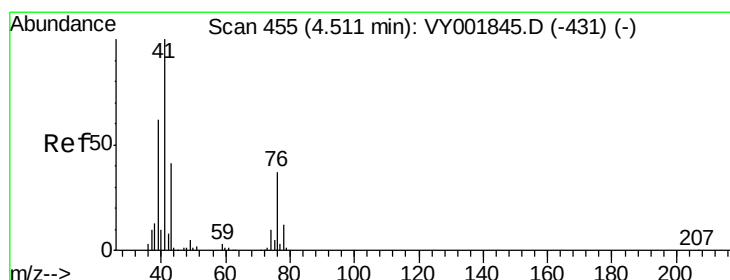
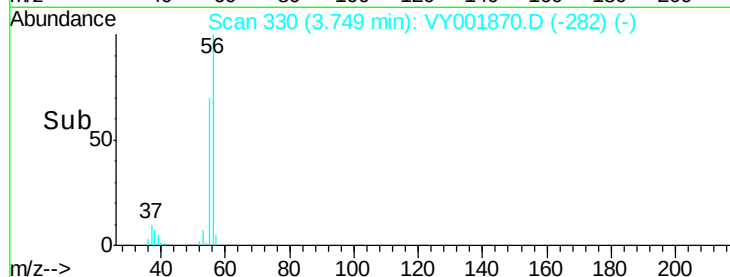
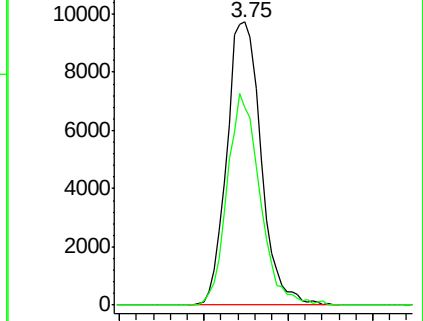
MMDadoda

3/6/2020 11:16:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.950 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

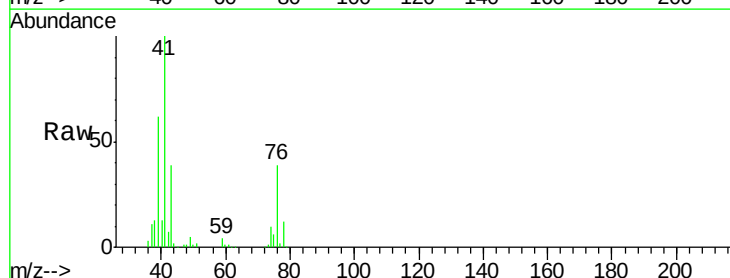
Tgt Ion: 41 Resp: 70585

Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.6

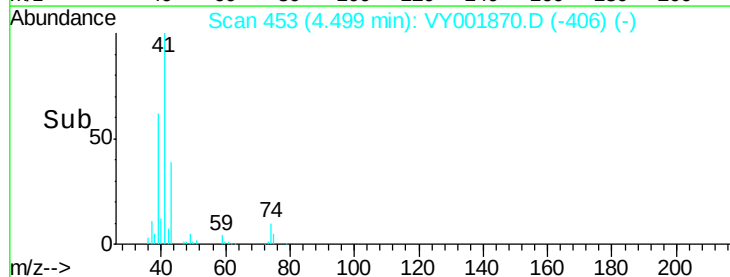
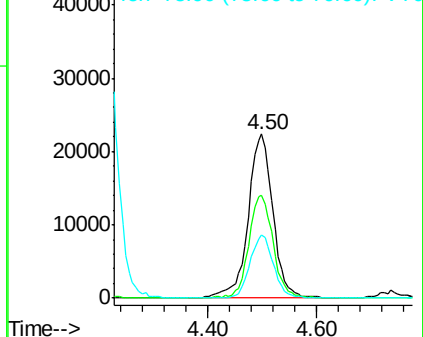
76 36.3 28.9 43.3

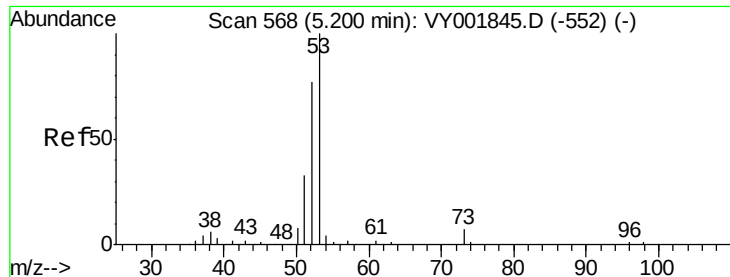


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 101.562 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

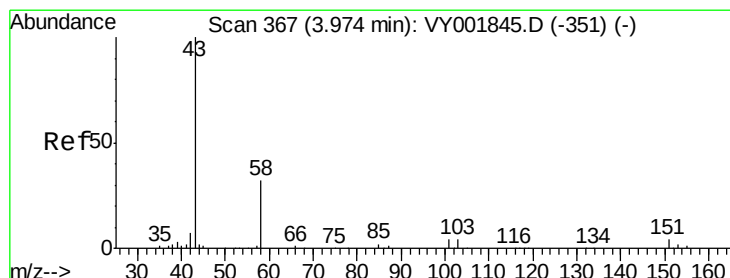
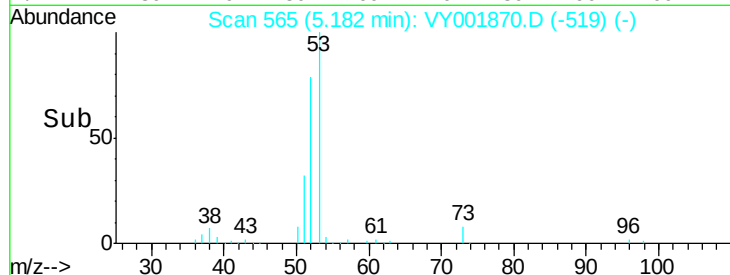
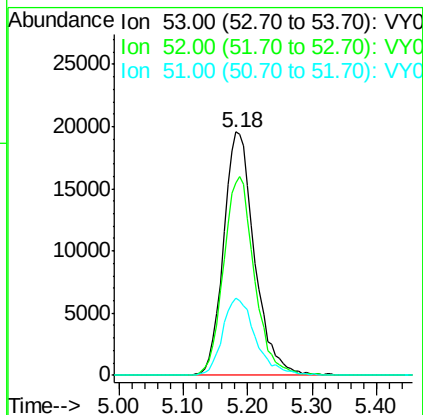
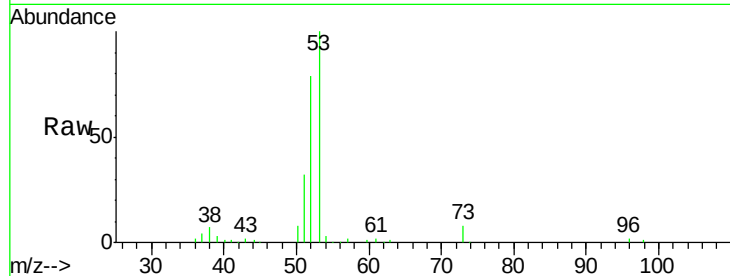
ClientSampleId :

VY0305SBS01

Tot Ion:	53	Resp:	65917
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	33.9	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 96.693 ug/l

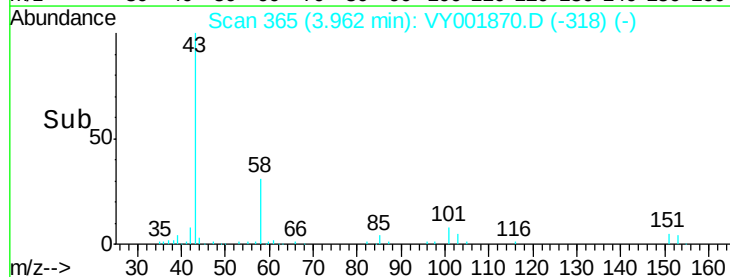
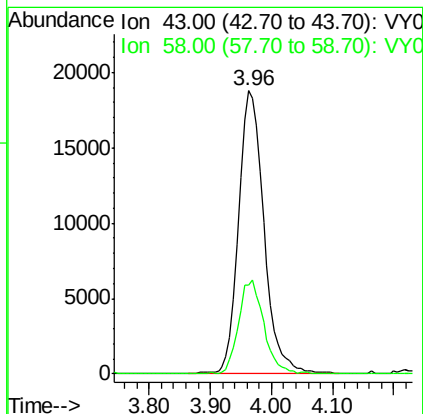
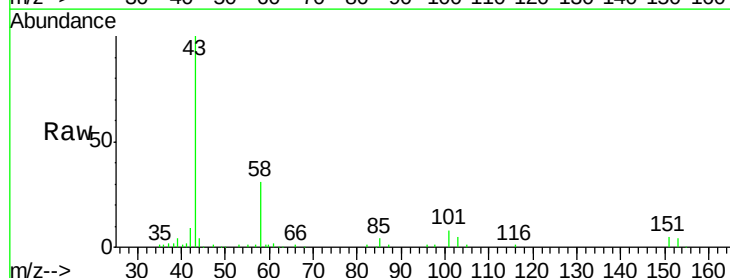
RT: 3.96 min Scan# 365

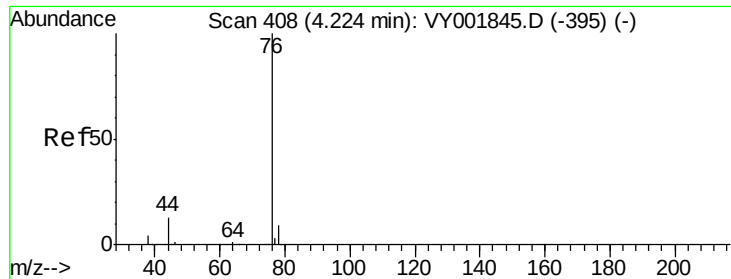
Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	43	Resp:	53969
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.9	38.9





#17

Carbon Disulfide

Concen: 19.640 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tot Ion: 76 Resp: 131764

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

Instrument :

MSVOA_Y

ClientSampleId :

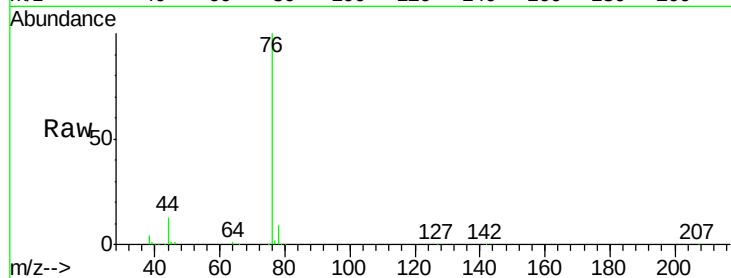
VY0305SBS01

Manual Integrations

APPROVED

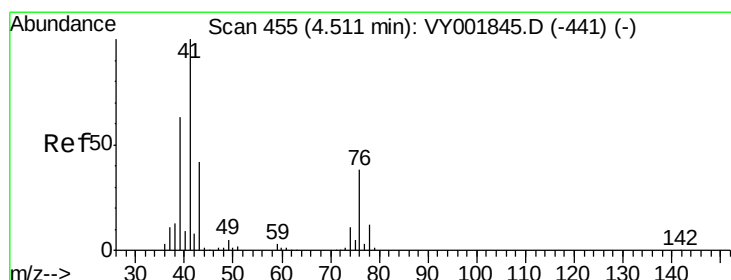
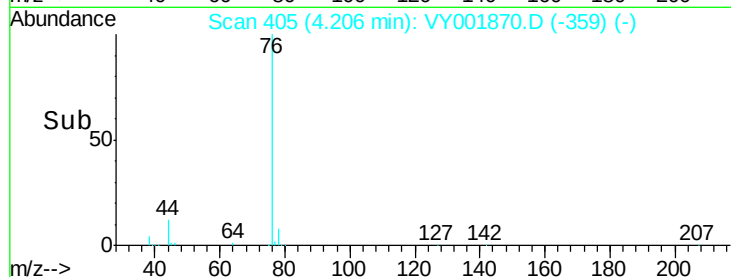
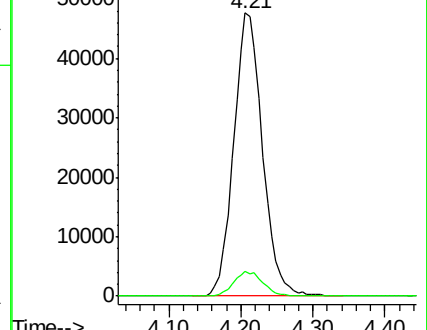
MMDadoda

3/6/2020 11:16:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.002 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001870.D

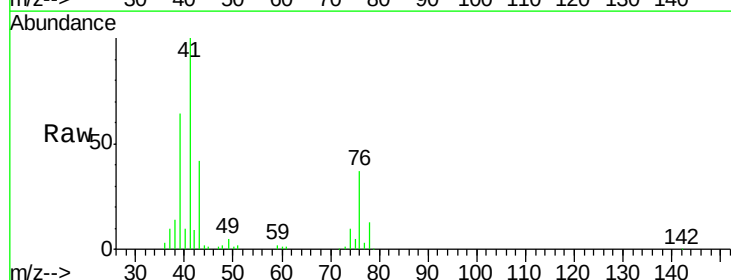
Acq: 05 Mar 2020 10:55

Tgt Ion: 43 Resp: 28686

Ion Ratio Lower Upper

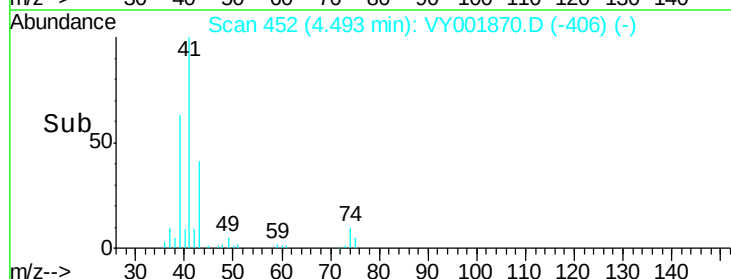
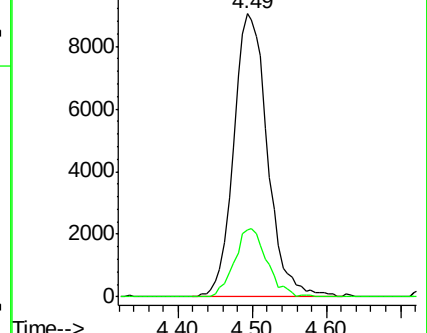
43 100

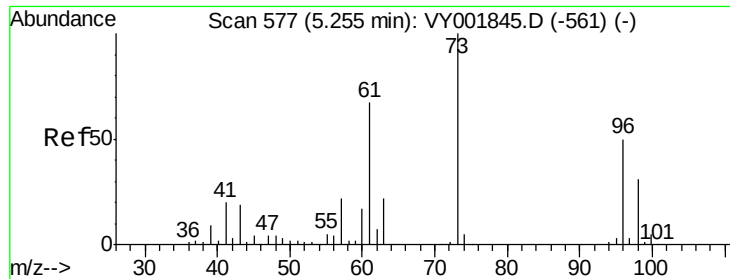
74 23.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





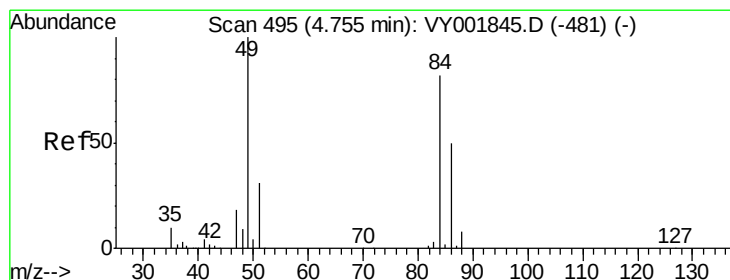
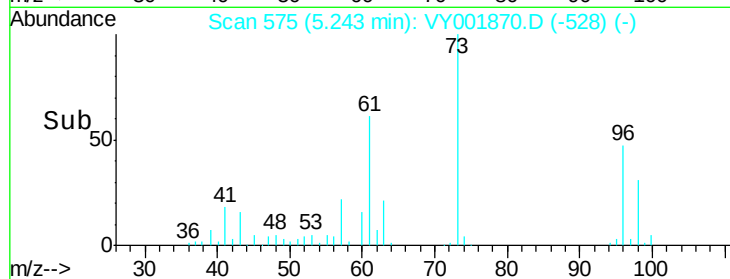
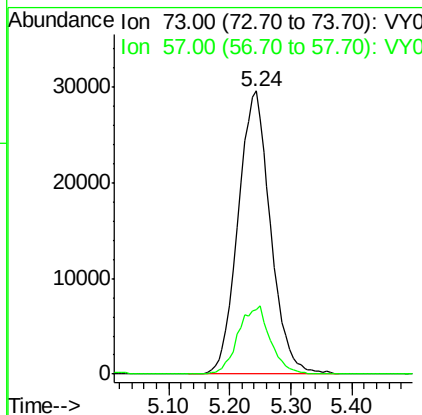
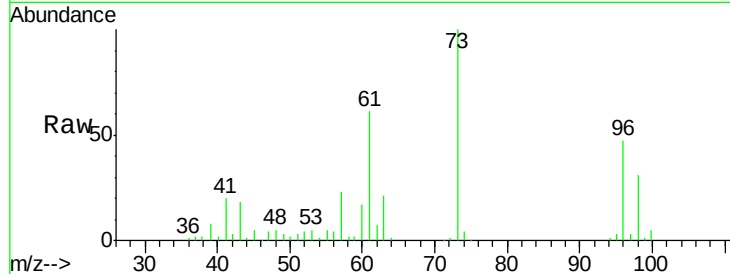
#19
Methyl tert-butyl Ether
Concen: 20.046 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion: 73 Resp: 108414
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.2

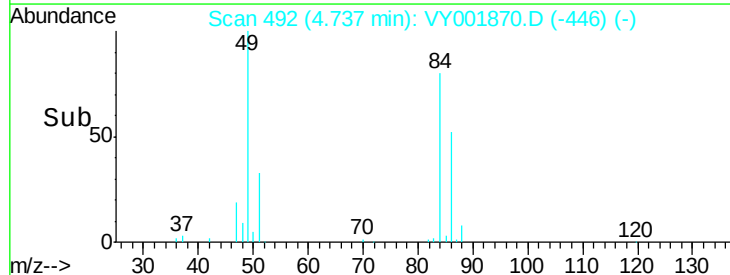
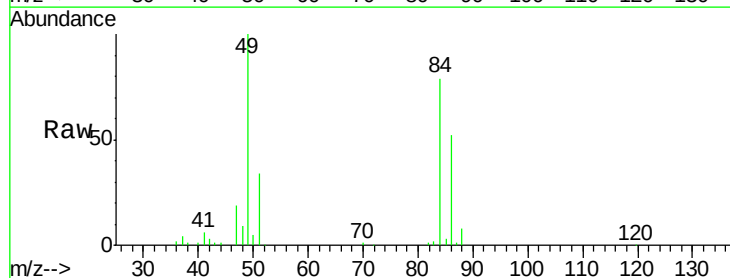
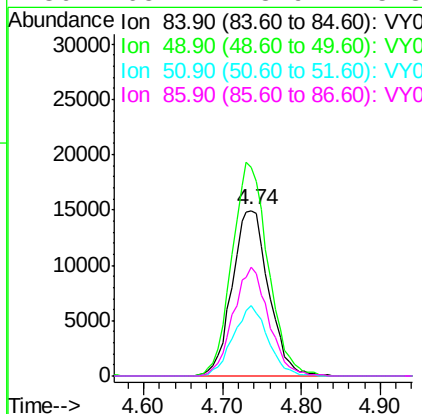
Manual Integrations
APPROVED

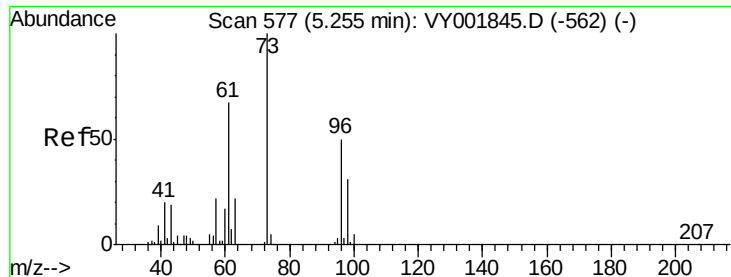
MMDadoda
3/6/2020 11:16:45 AM



#20
Methylene Chloride
Concen: 20.171 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion: 84 Resp: 48252
Ion Ratio Lower Upper
84 100
49 126.0 98.2 147.2
51 42.2 30.2 45.2
86 65.4 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.600 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

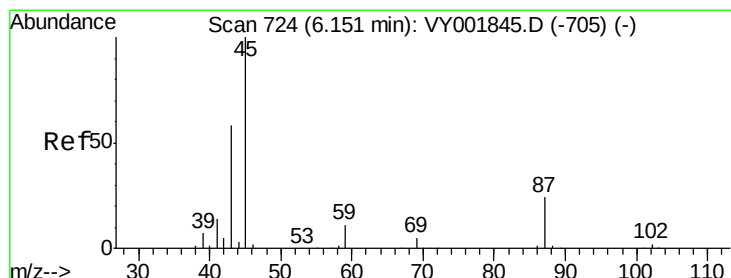
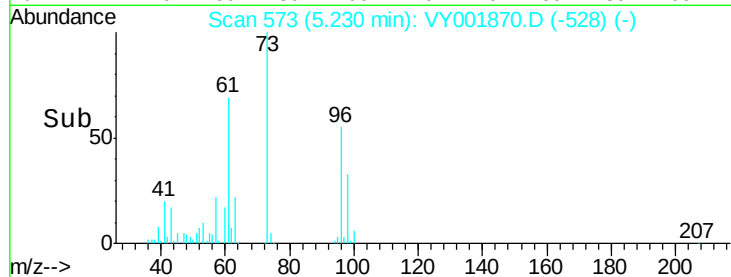
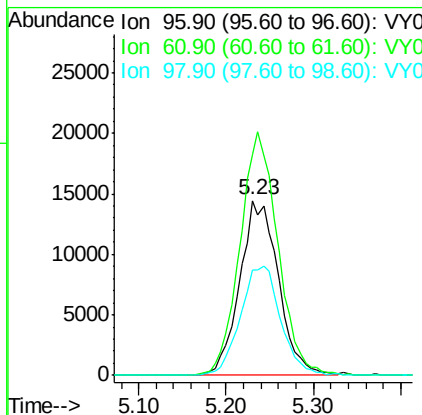
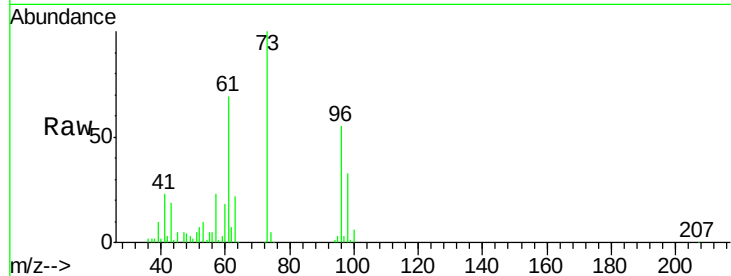
ClientSampleId :

VY0305SBS01

Tot Ion:	96	Resp:	44398
Ion	Ratio	Lower	Upper
96	100		
61	126.4	107.7	161.5
98	60.2	49.3	73.9

Manual Integrations
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3/6/2020 11:16:45 AM



#22

Diisopropyl ether

Concen: 20.030 ug/l

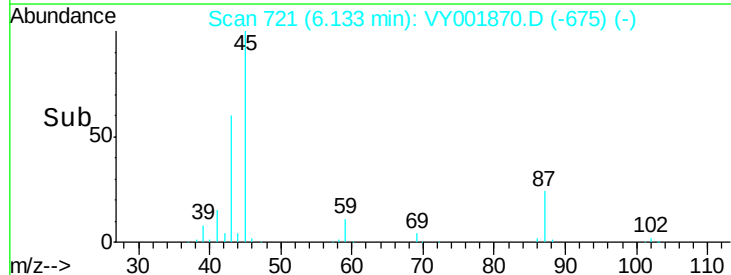
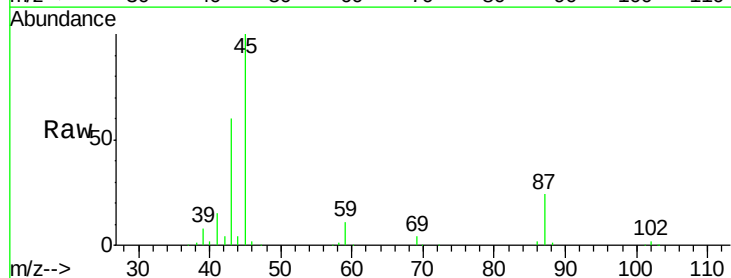
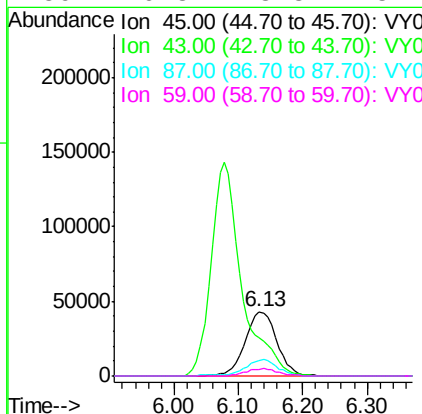
RT: 6.13 min Scan# 721

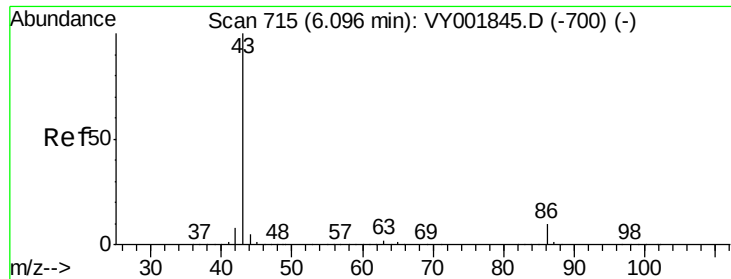
Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	45	Resp:	145270
Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.2	70.8
87	24.3	19.8	29.8
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 100.038 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 43 Resp: 475628

Ion Ratio Lower Upper

43 100

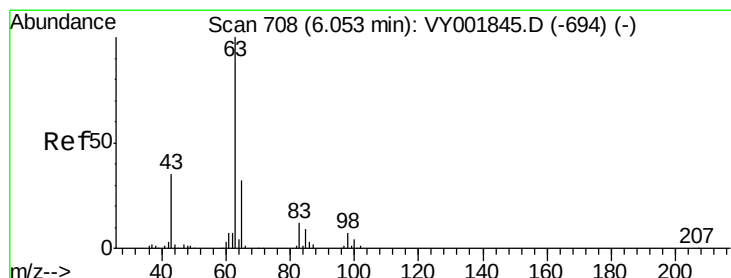
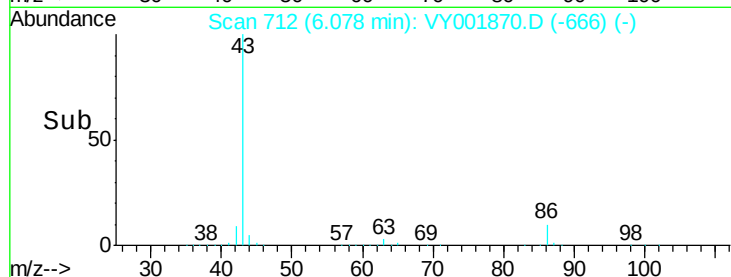
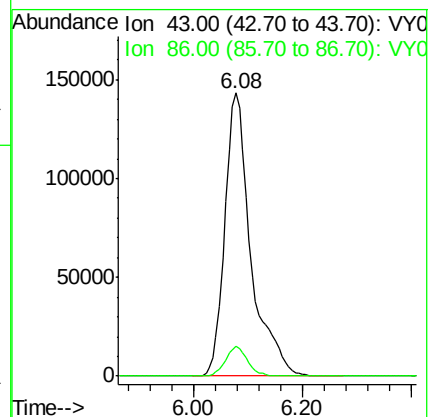
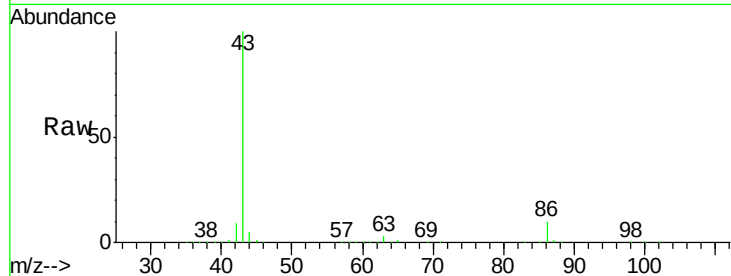
86 10.4 7.8 11.8

Manual Integrations

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3/6/2020 11:16:45 AM



#24

1,1-Dichloroethane

Concen: 19.684 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

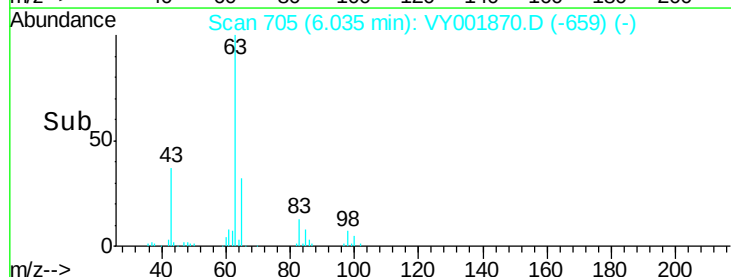
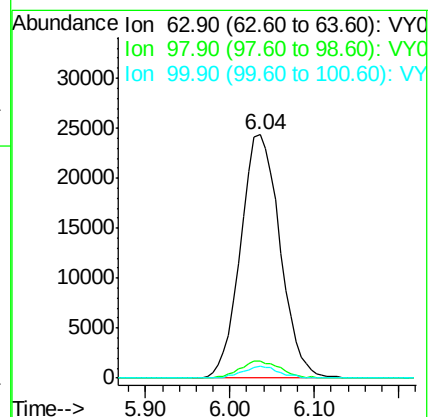
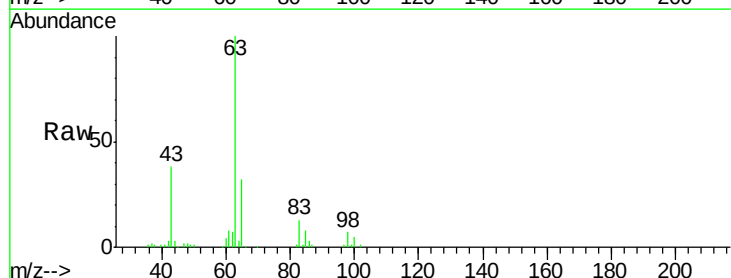
Tgt Ion: 63 Resp: 77306

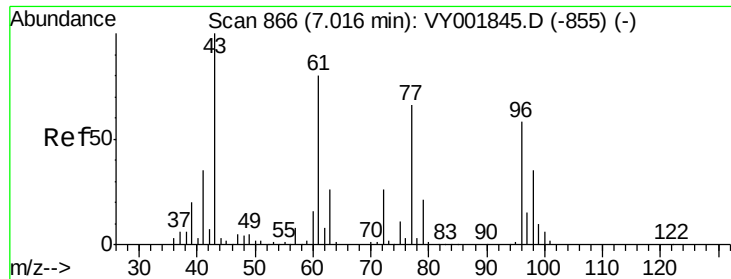
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.7 2.0 6.0





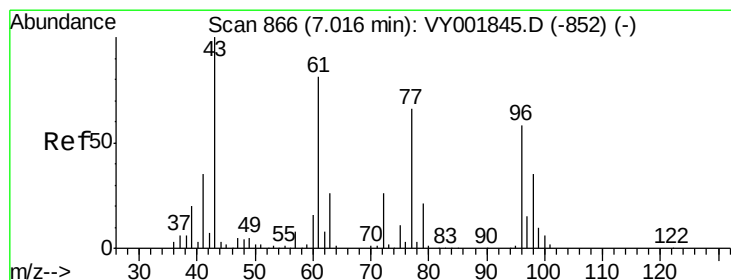
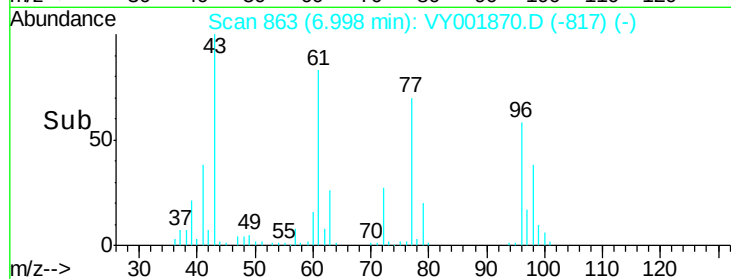
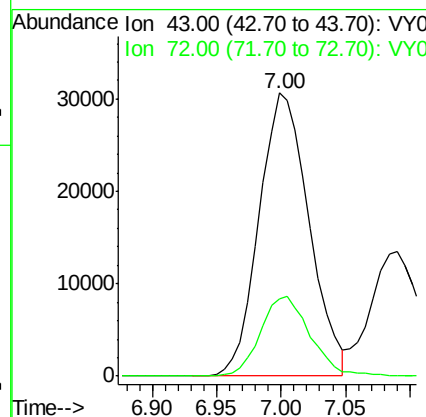
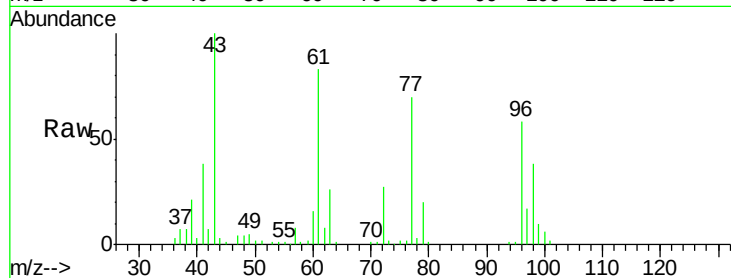
#25
2-Butanone
Concen: 97.172 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion: 43 Resp: 82479
Ion Ratio Lower Upper
43 100
72 27.4 20.9 31.3

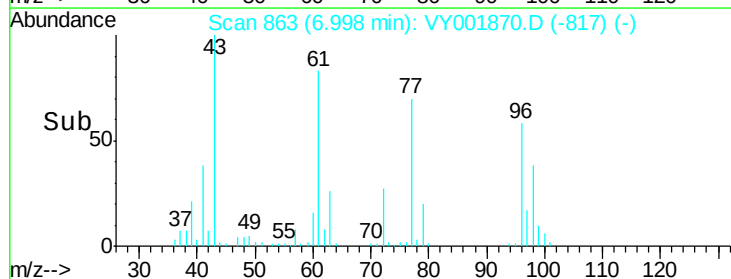
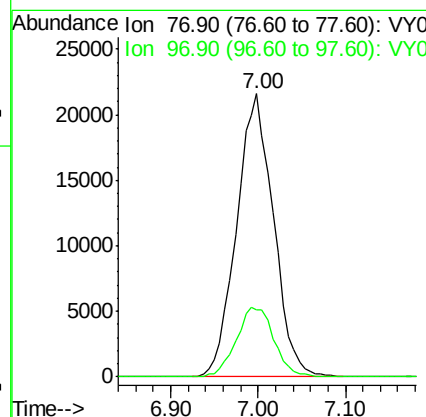
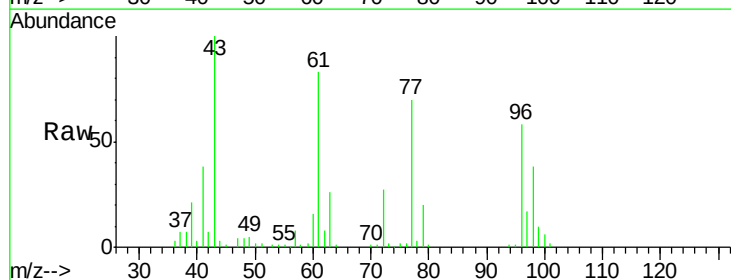
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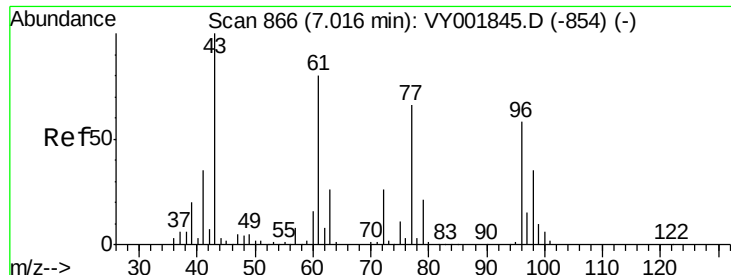
MMDadoda
3/6/2020 11:16:45 AM



#26
2,2-Dichloropropane
Concen: 19.576 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion: 77 Resp: 63105
Ion Ratio Lower Upper
77 100
97 25.0 11.9 35.7





#27

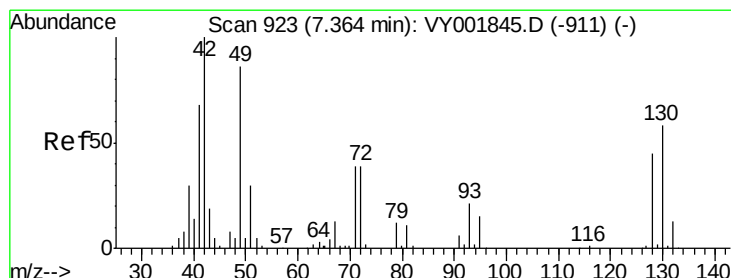
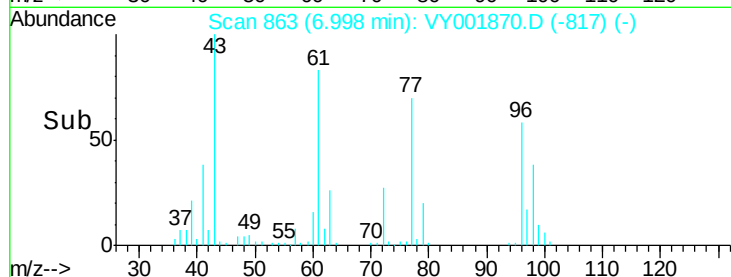
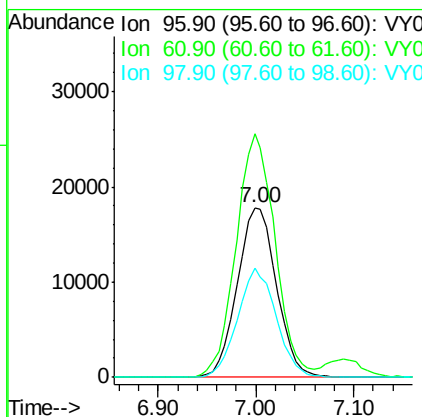
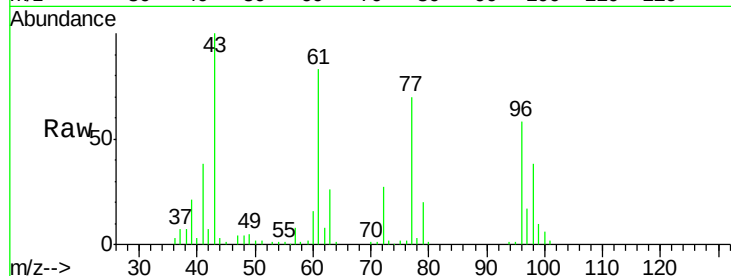
cis-1,2-Dichloroethene
Concen: 20.055 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	288.2
98	63.6	0.0	129.0

Manual Integrations
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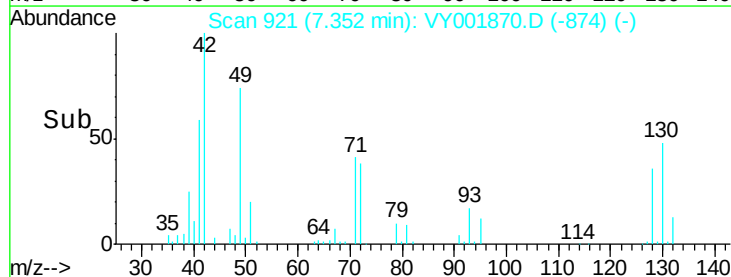
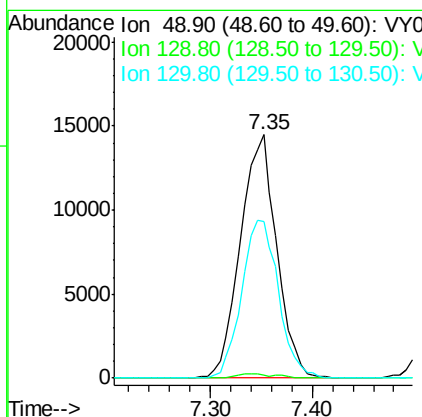
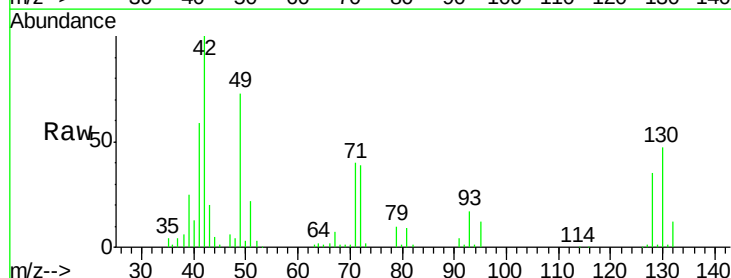
MMDadoda
3/6/2020 11:16:45 AM

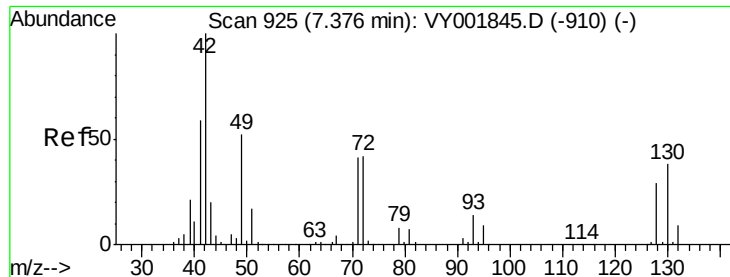


#28

Bromochloromethane
Concen: 20.295 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	65.6	54.4	81.6





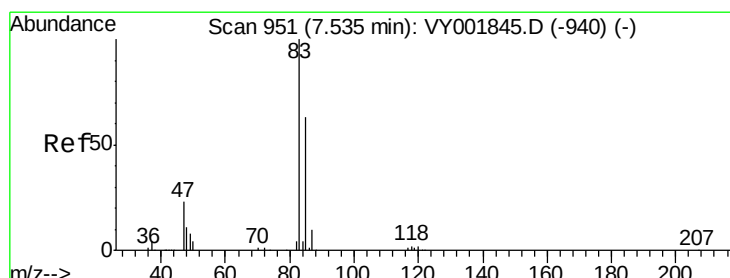
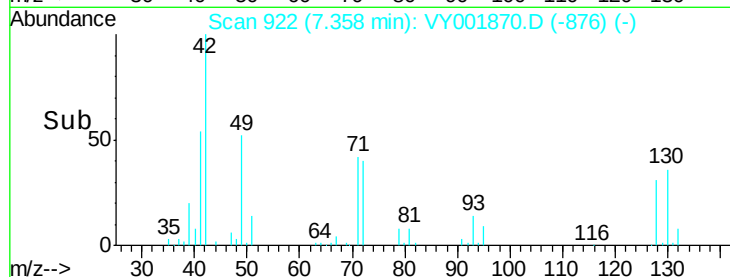
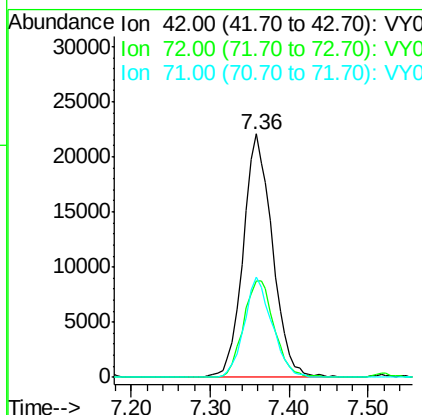
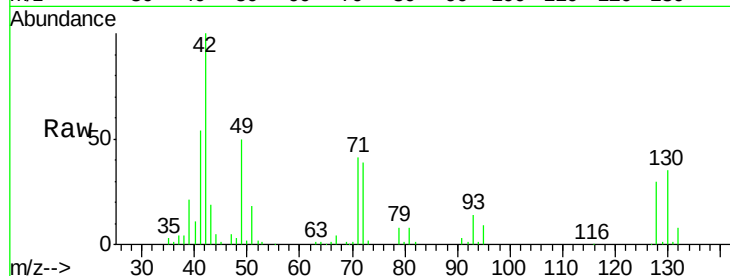
#29
Tetrahydrofuran
Concen: 100.881 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.5	50.3
71	39.1	31.3	46.9

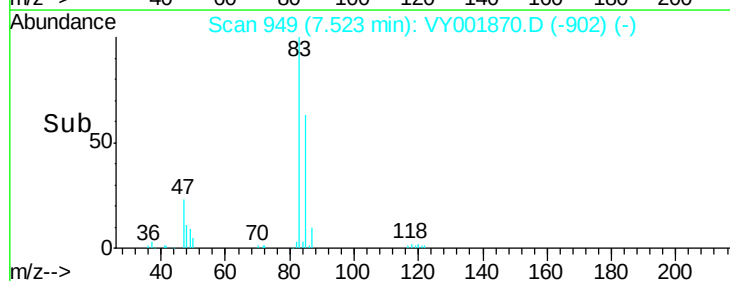
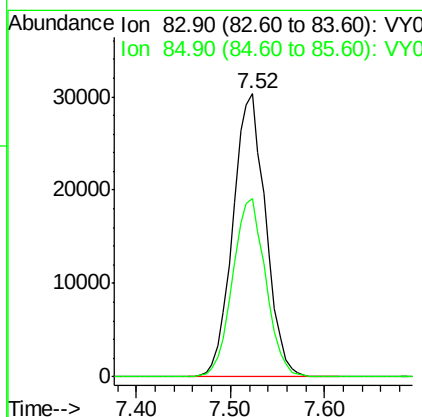
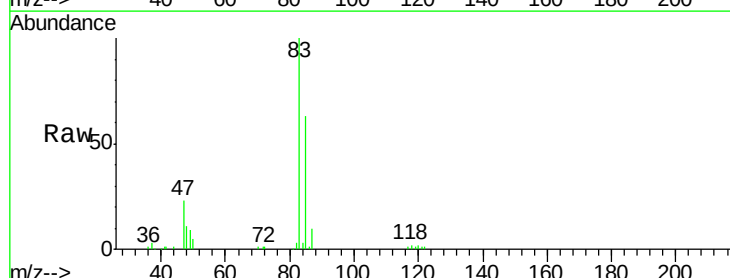
Manual Integrations
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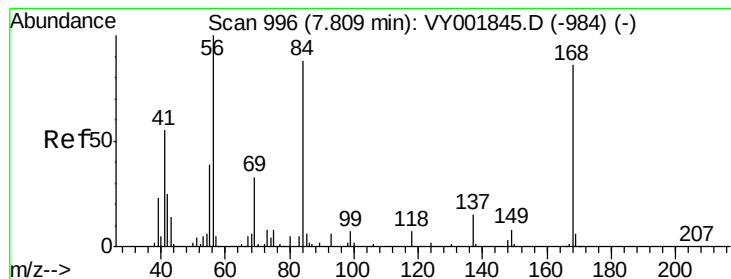
MMDadoda
3/6/2020 11:16:45 AM



#30
Chloroform
Concen: 19.867 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1





#31

Cyclohexane

Concen: 19.572 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

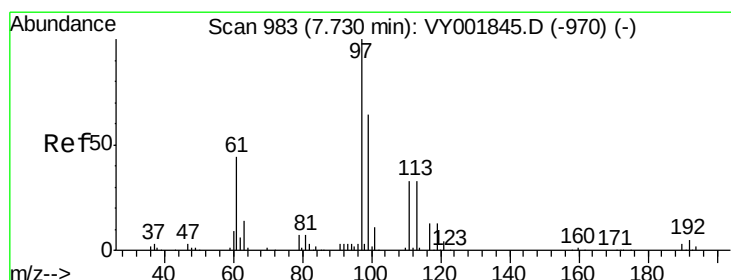
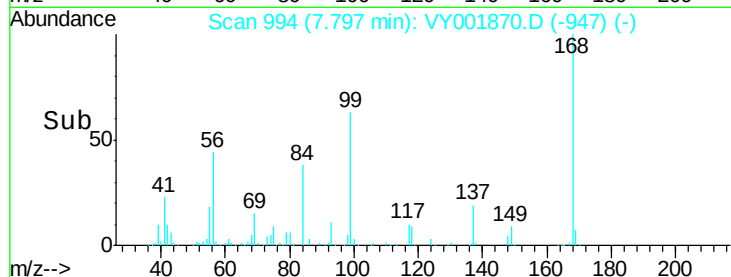
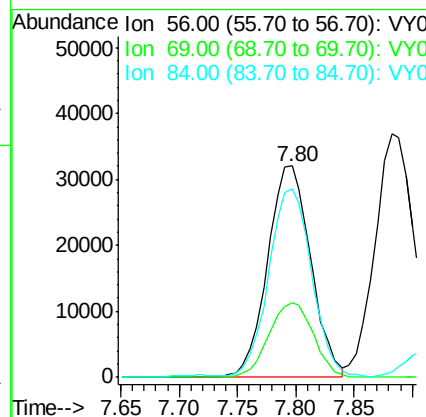
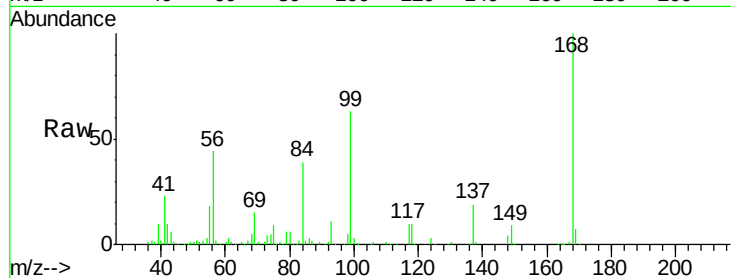
ClientSampleId :

VY0305SBS01

Tot Ion:	56	Resp:	82421
Ion Ratio	Lower	Upper	
56	100		
69	35.2	26.7	40.1
84	88.5	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.810 ug/l

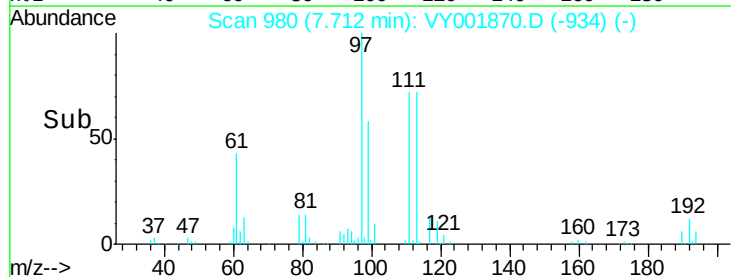
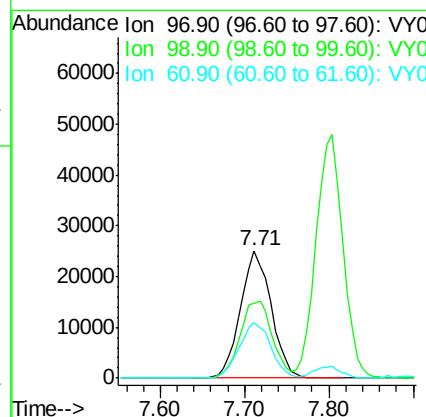
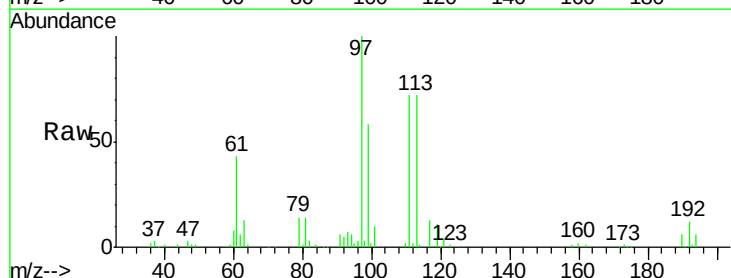
RT: 7.71 min Scan# 980

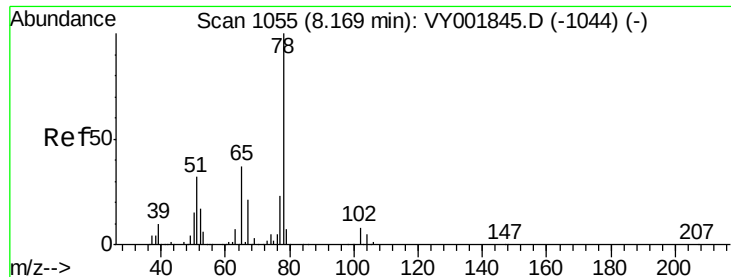
Delta R.T. -0.02 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	97	Resp:	61610
Ion Ratio	Lower	Upper	
97	100		
99	63.3	52.0	78.0
61	45.5	35.0	52.4





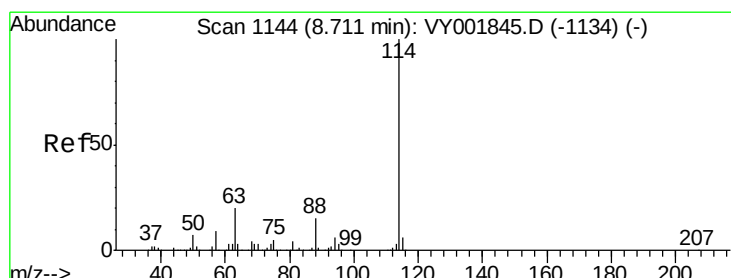
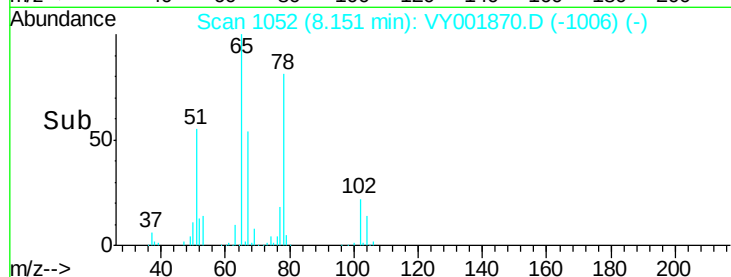
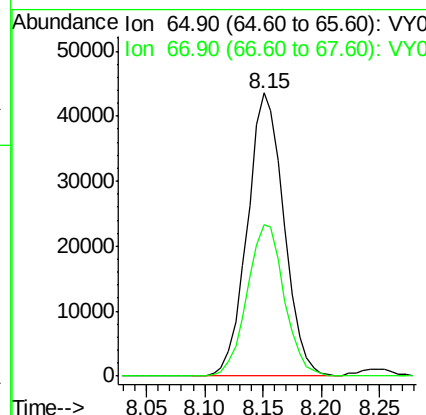
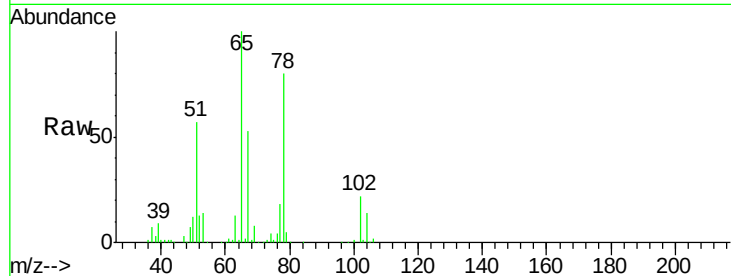
#33
 1,2-Dichloroethane-d4
 Concen: 49.680 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	110.8	

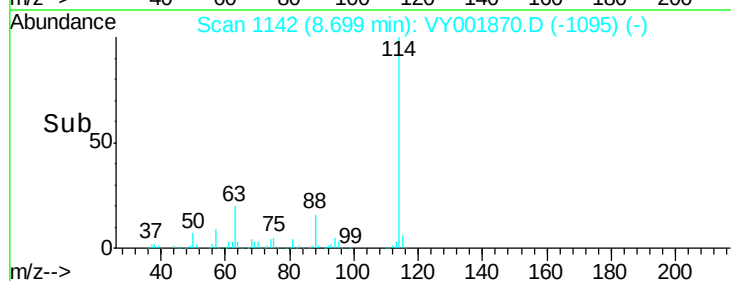
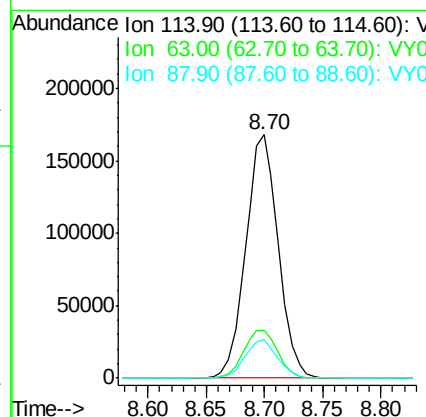
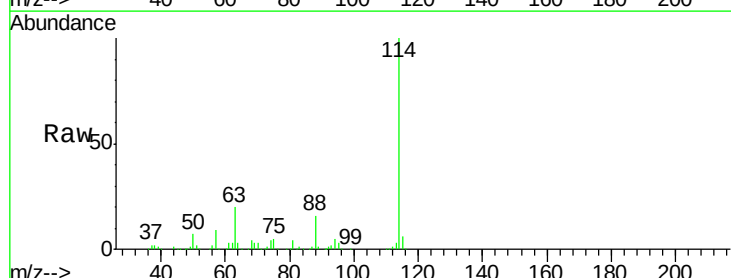
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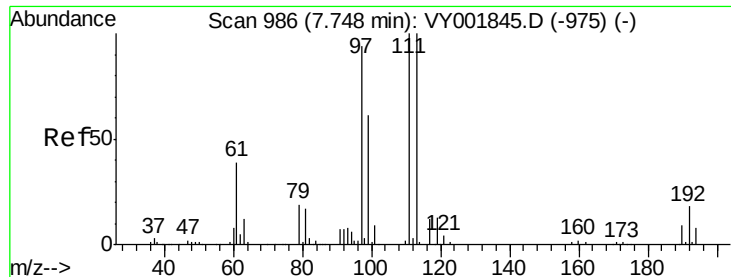
MMDadoda
 3/6/2020 11:16:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.4	
88	15.7	0.0	30.4	





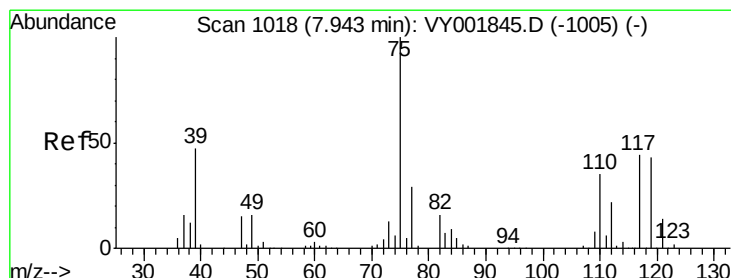
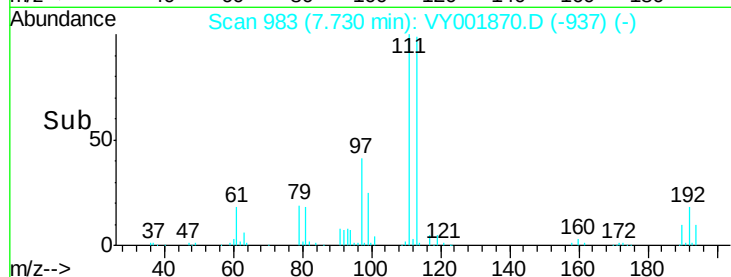
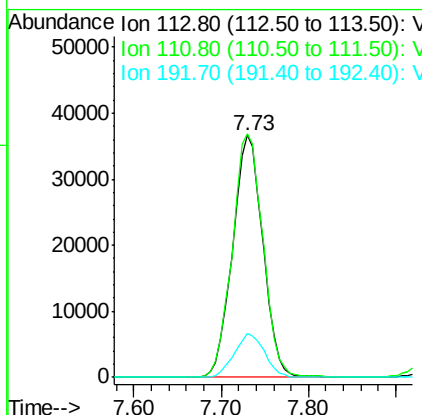
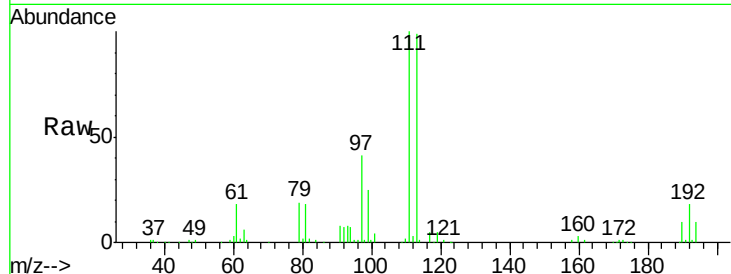
#35
 Dibromofluoromethane
 Concen: 49.609 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	18.1	14.2	21.2

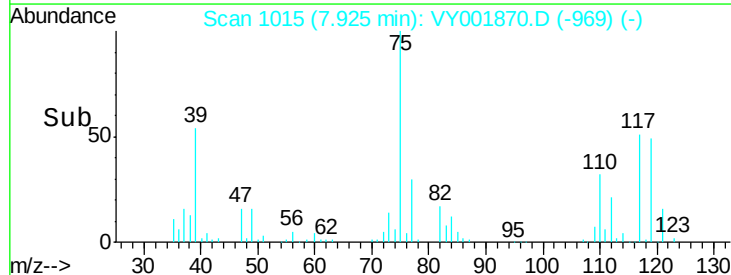
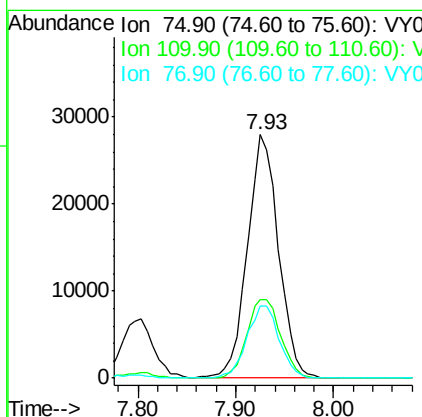
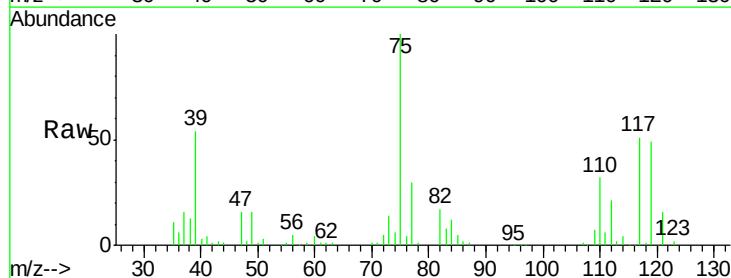
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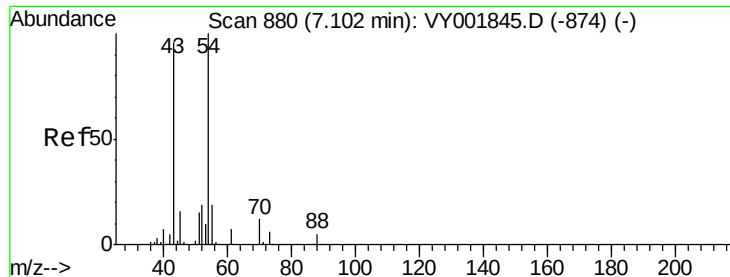
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 3/6/2020 11:16:45 AM



#36
 1,1-Dichloropropene
 Concen: 19.770 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	31.1	24.2	36.2





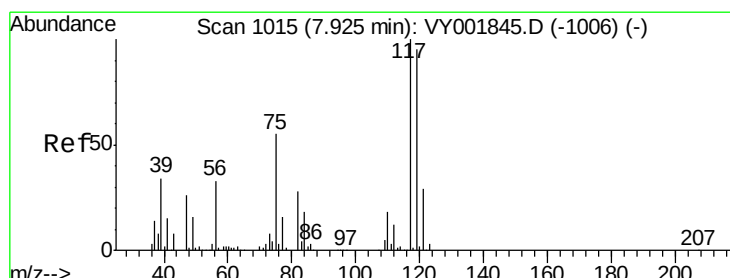
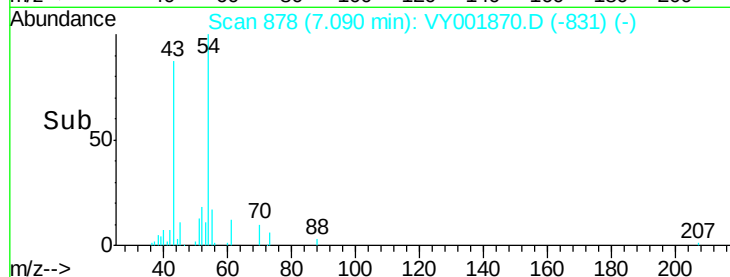
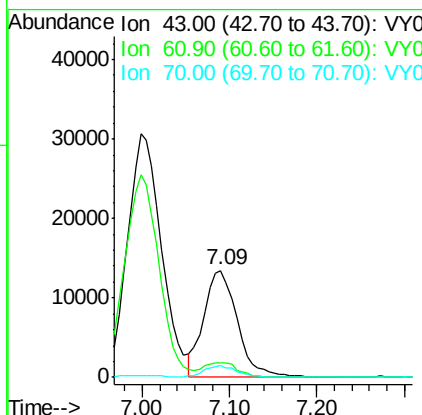
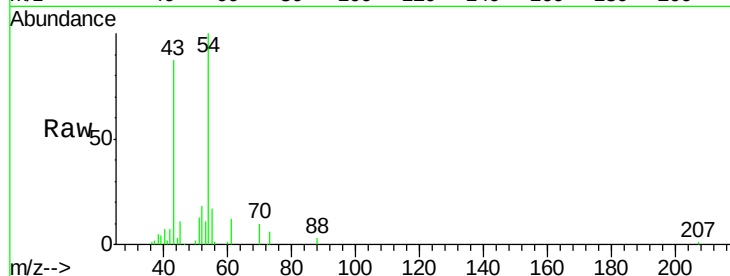
#37
Ethyl Acetate
Concen: 19.933 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	10.7	8.2	12.4

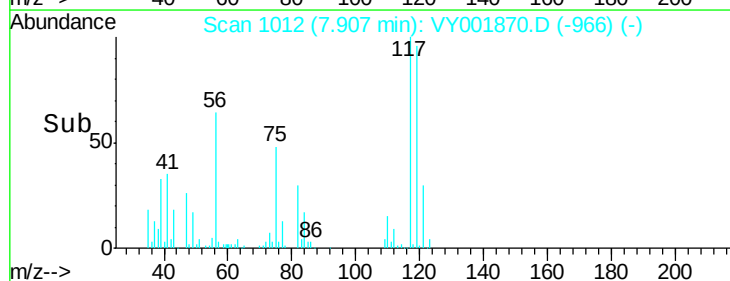
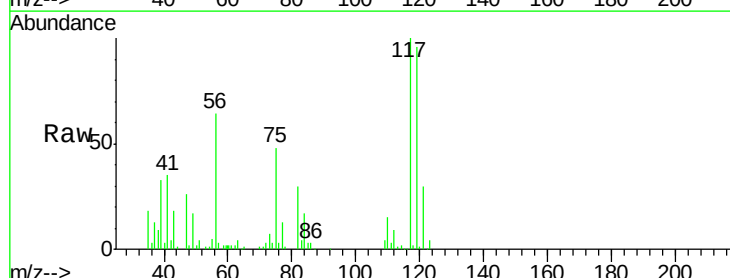
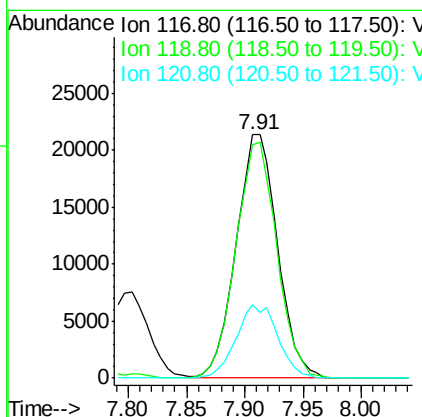
Manual Integrations
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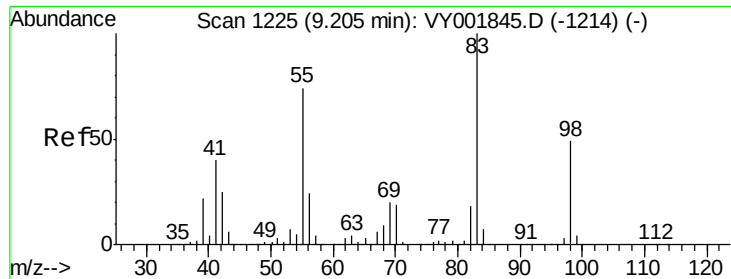
MMDadoda
3/6/2020 11:16:45 AM



#38
Carbon Tetrachloride
Concen: 19.899 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	30.2	23.5	35.3





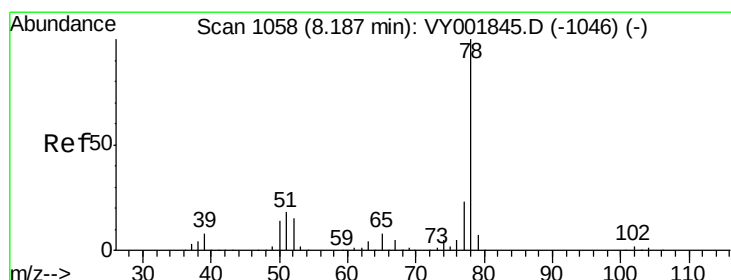
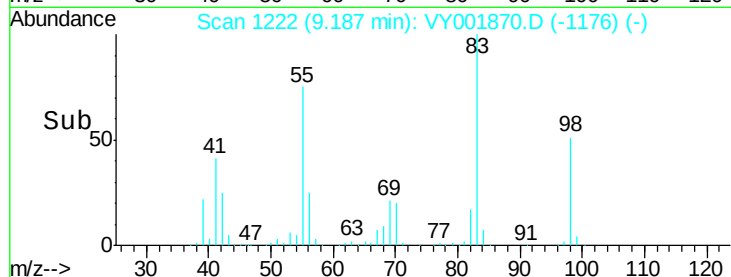
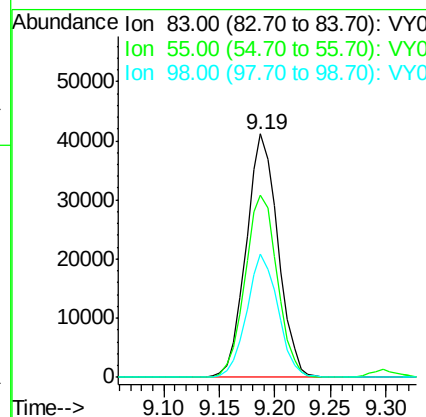
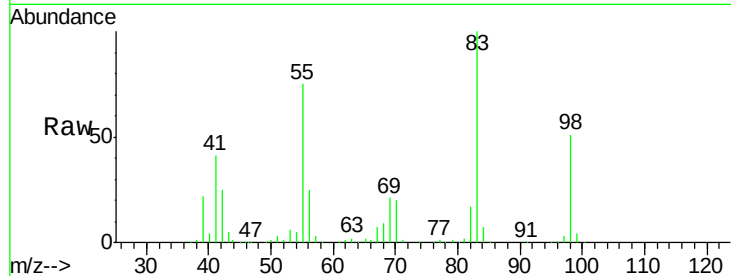
#39
Methylvlcyclohexane
Concen: 19.703 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.4	89.0
98	50.8	38.9	58.3

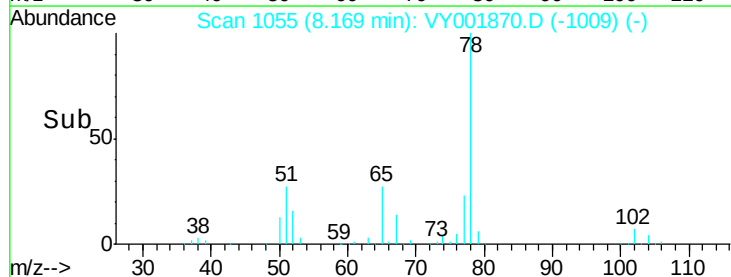
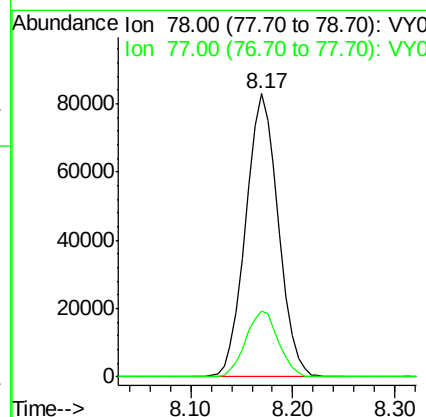
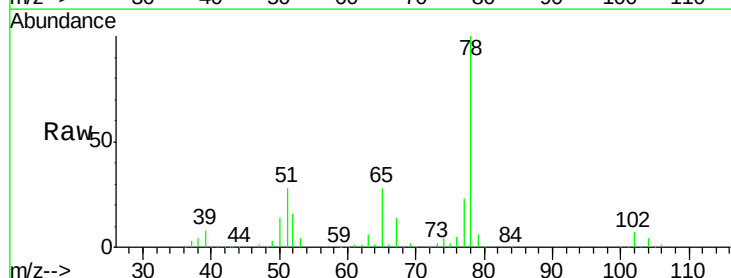
Manual Integrations
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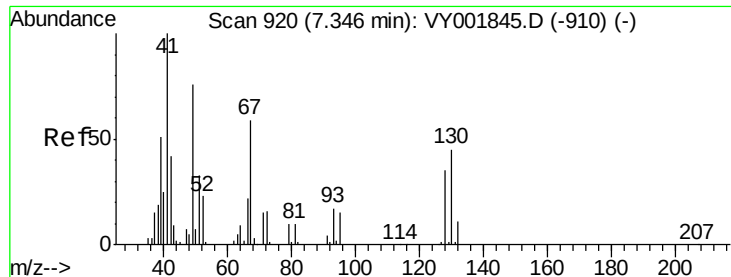
MMDadoda
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#40
Benzene
Concen: 19.875 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





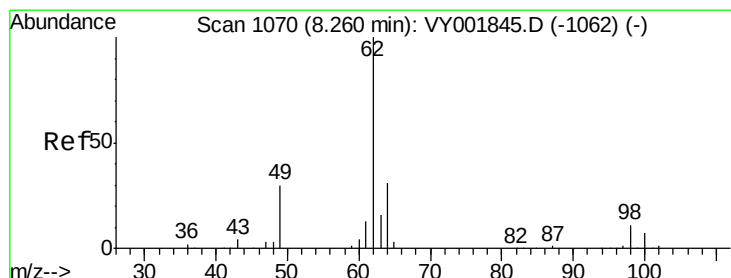
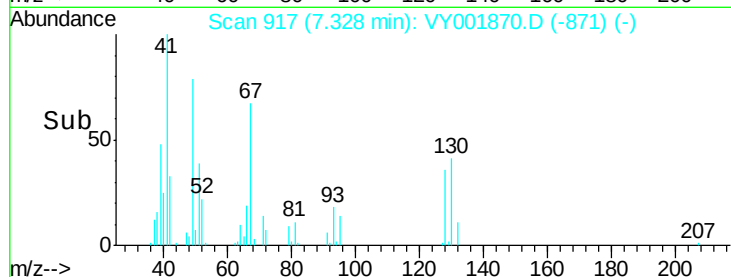
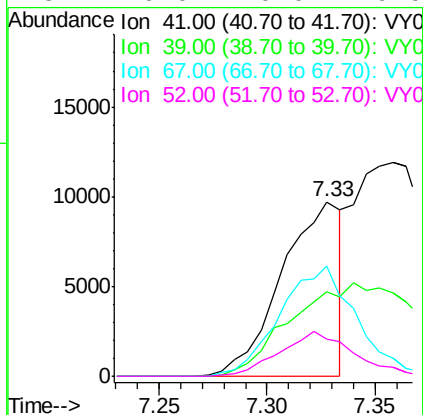
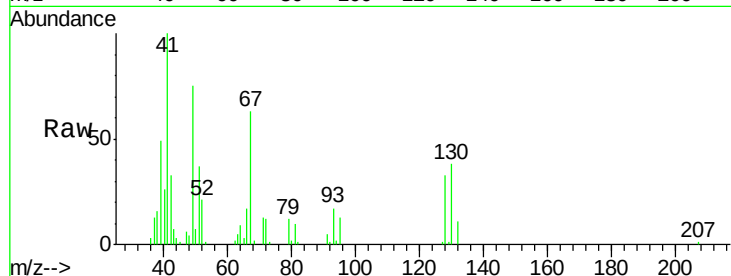
#41
Methacrylonitrile
Concen: 23.345 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	115.4	111.7	167.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

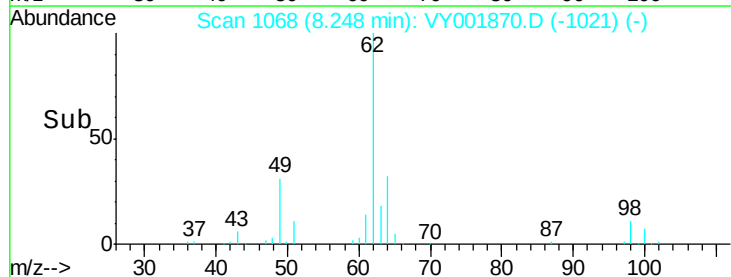
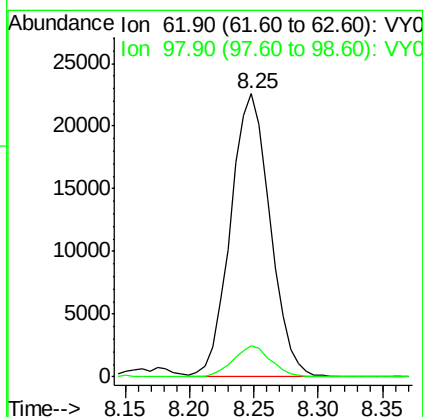
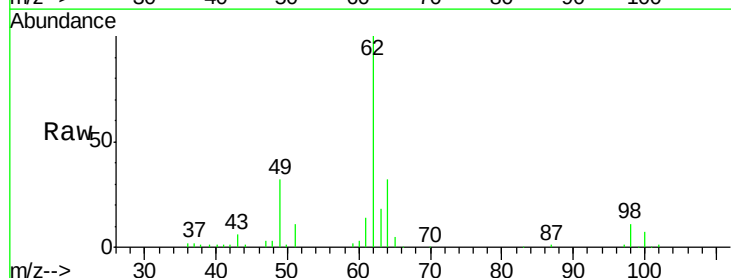
Manual Integrations
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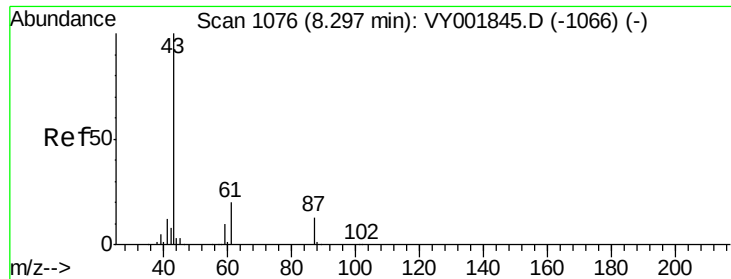
MMDadoda
3/6/2020 11:16:45 AM



#42
1,2-Dichloroethane
Concen: 20.236 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4





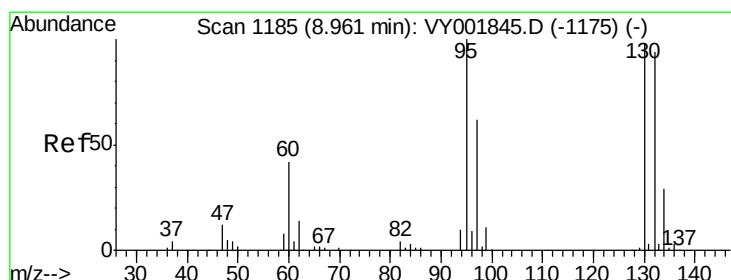
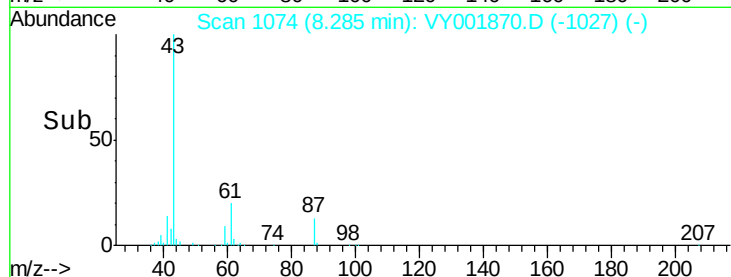
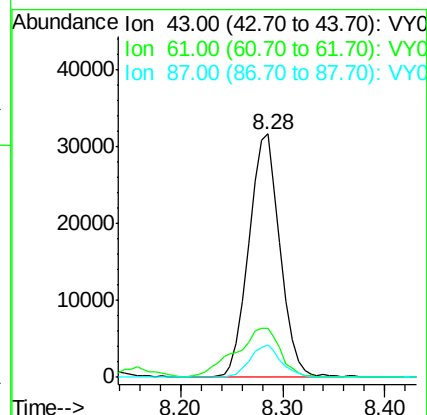
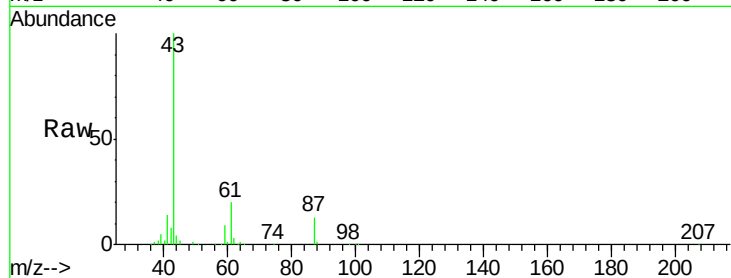
#43
Isopropyl Acetate
Concen: 19.559 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion:	43	Resp:	67227
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	13.2	10.9	16.3

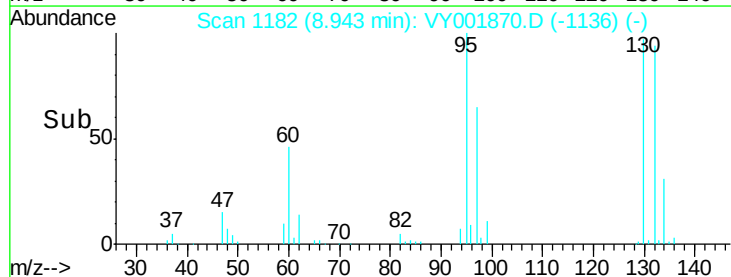
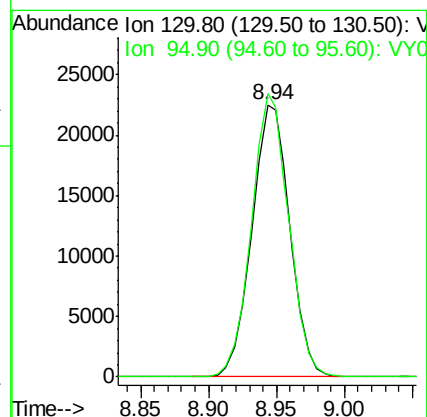
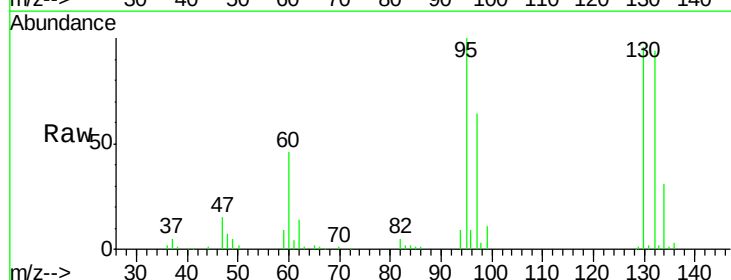
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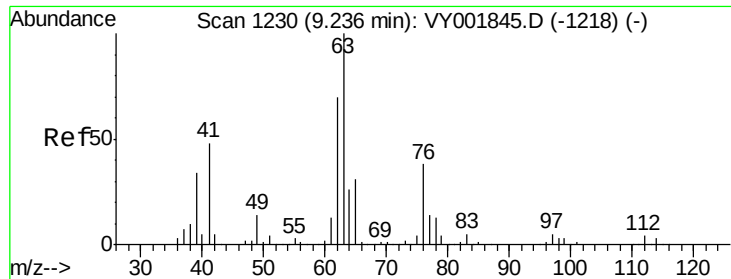
MMDadoda
3/6/2020 11:16:45 AM



#44
Trichloroethene
Concen: 19.460 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion:	130	Resp:	43877
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	204.6





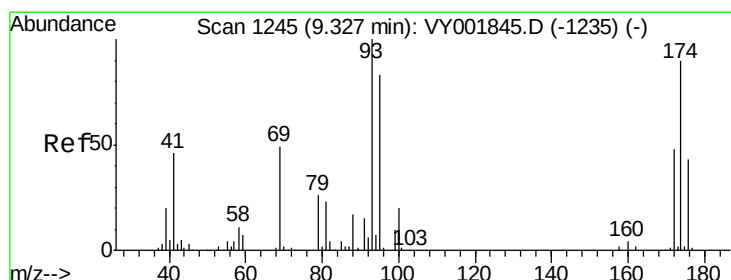
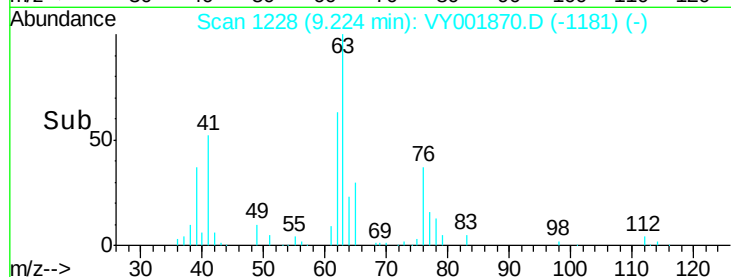
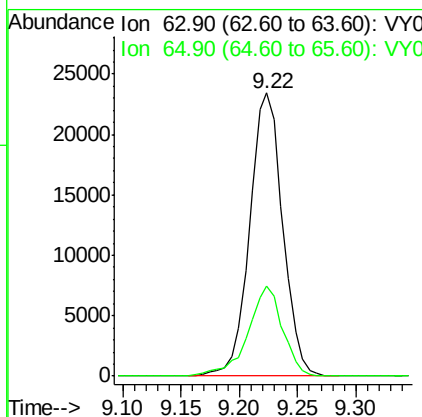
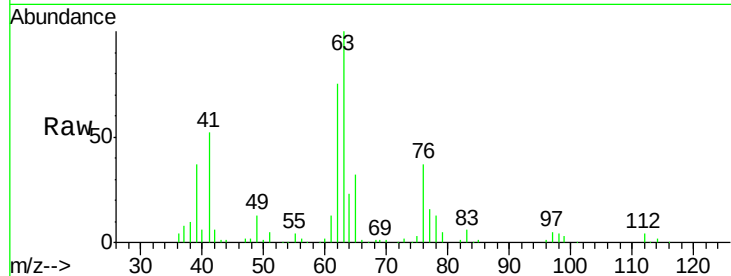
#45
 1,2-Dichloropropane
 Concen: 19.806 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.9	37.3

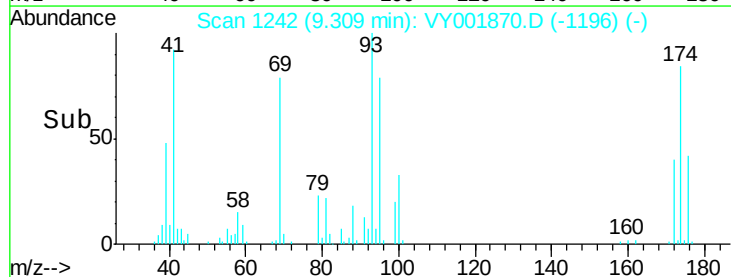
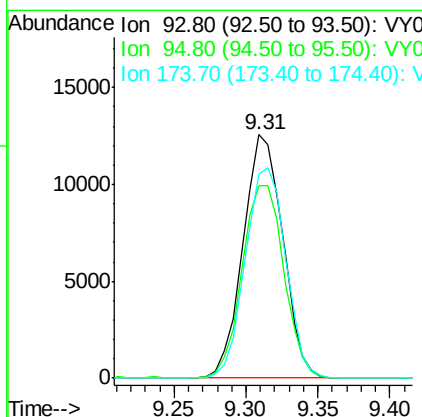
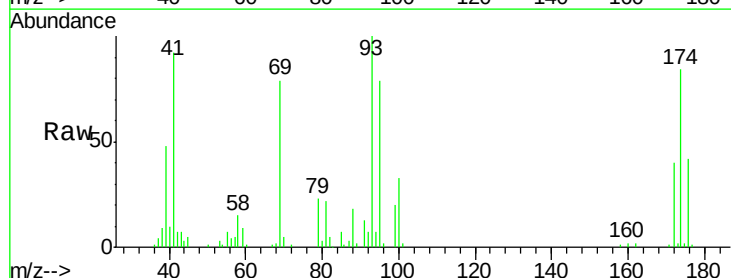
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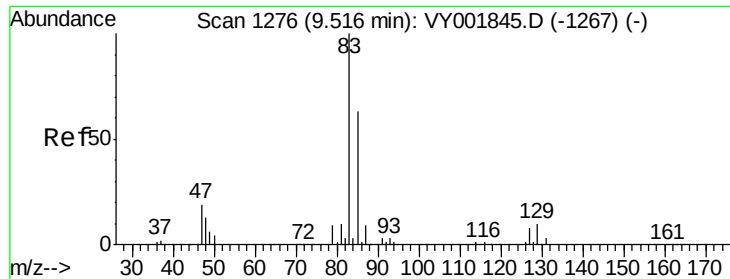
MMDadoda
 3/6/2020 11:16:45 AM



#46
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.0	100.4
174	87.7	71.8	107.8





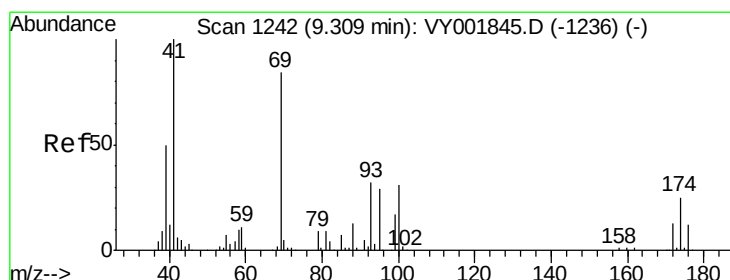
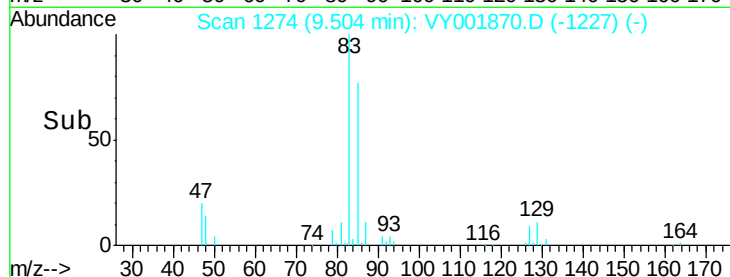
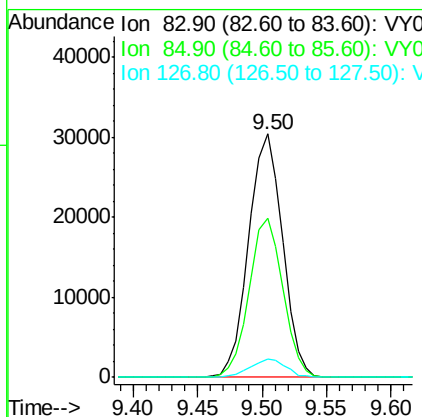
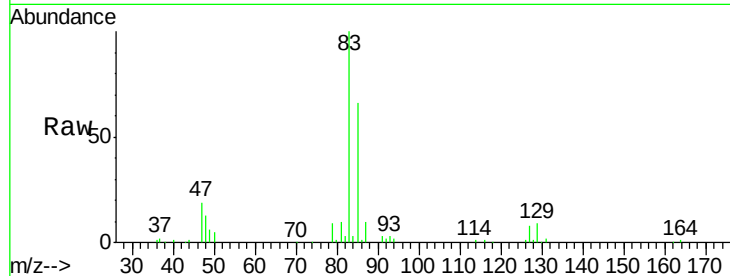
#47
Bromodichloromethane
Concen: 19.826 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	83	Resp	55314
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.6	76.0
127	7.6	6.2	9.4

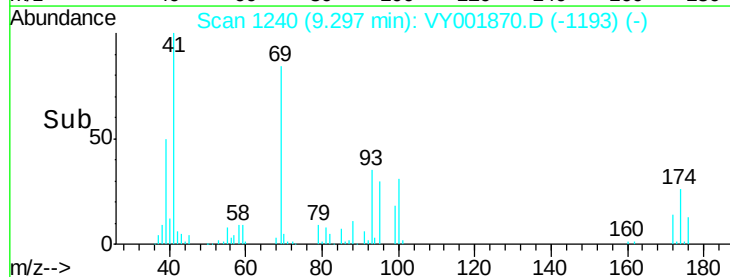
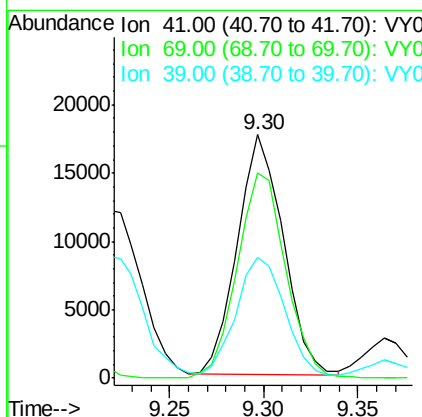
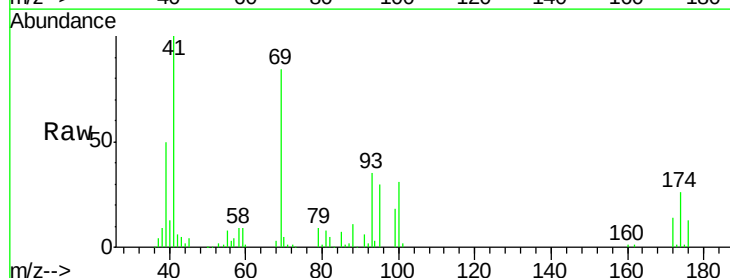
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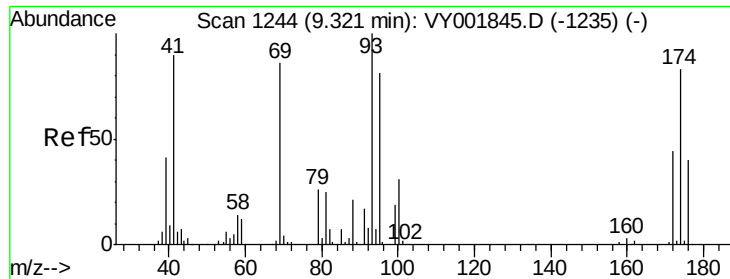
MMDadoda
3/6/2020 11:16:45 AM



#48
Methyl methacrylate
Concen: 19.539 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	41	Resp	29800
Ion Ratio	100	Lower	Upper
41	100		
69	89.8	69.0	103.6
39	54.1	39.1	58.7





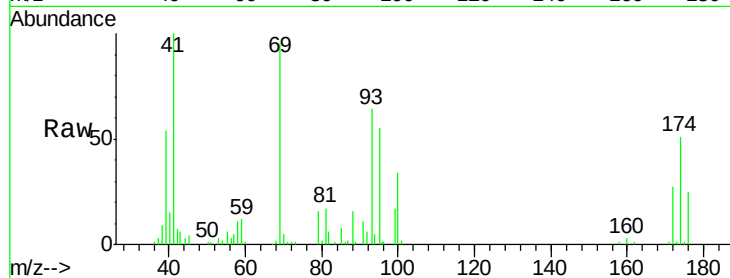
#49
 1,4-Dioxane
 Concen: 403.920 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.02 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	88	Resp	6638
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.0	37.6
58	68.0	58.9	88.3

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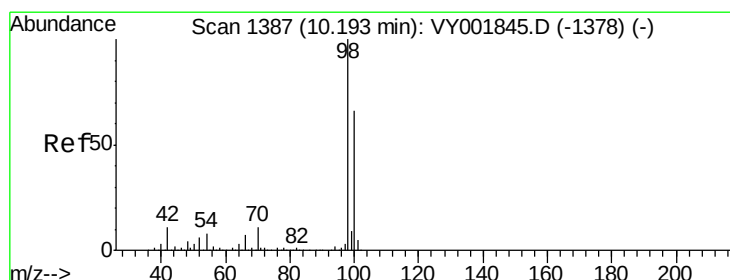
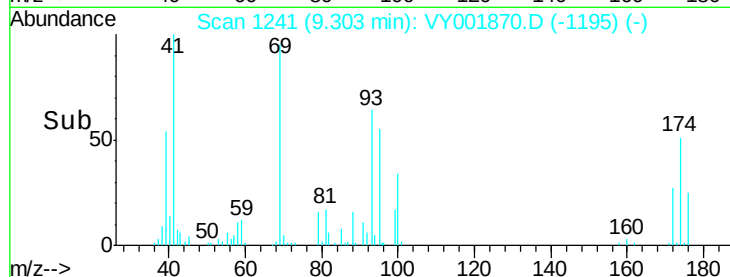
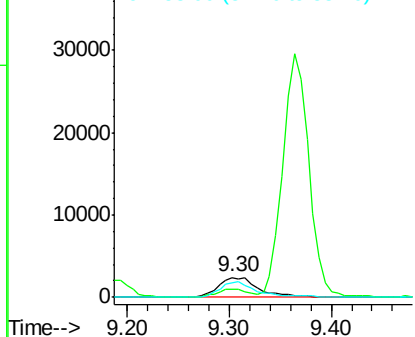


Abundance

Ion 88.00 (87.70 to 88.70): VY0

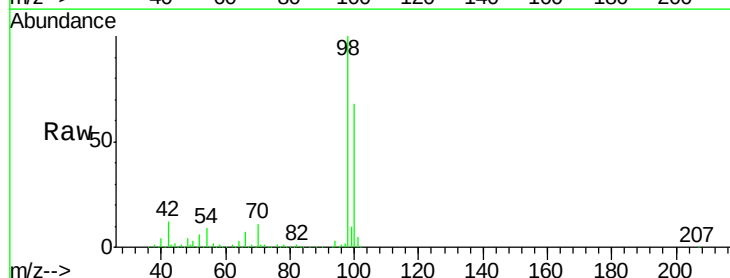
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
 Toluene-d8
 Concen: 49.557 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

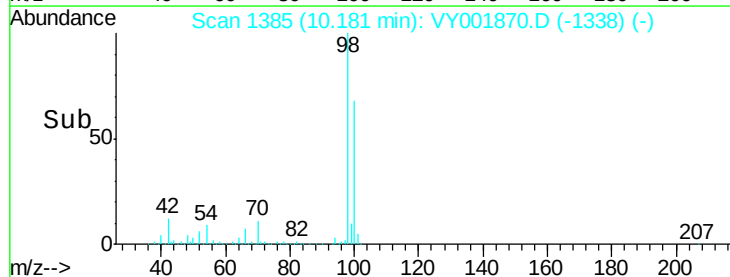
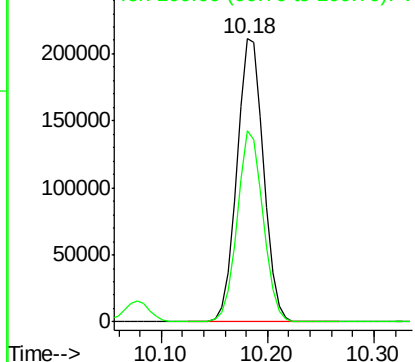
Tgt Ion	98	Resp	370391
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

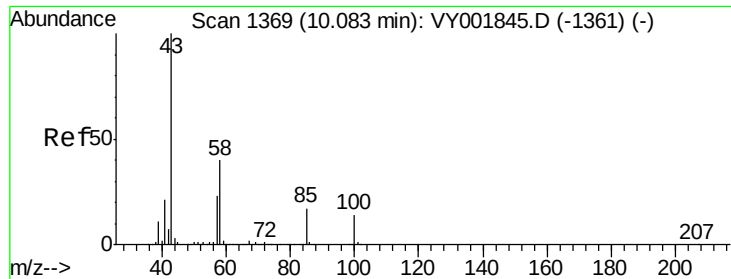


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 100.144 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampled :

VY0305SBS01

Tot Ion: 43 Resp: 177290

Ion Ratio Lower Upper

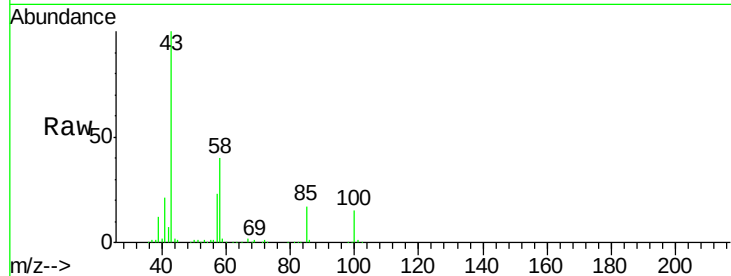
43 100

58 39.4 32.0 48.0

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

120000

100000

80000

60000

40000

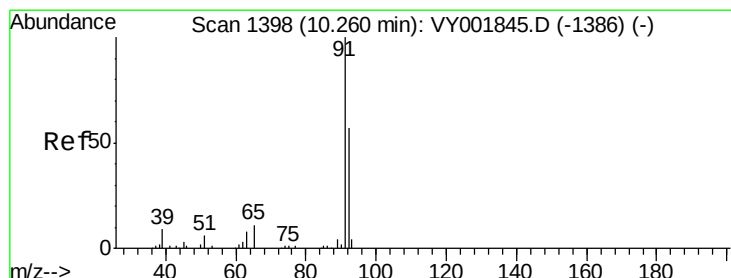
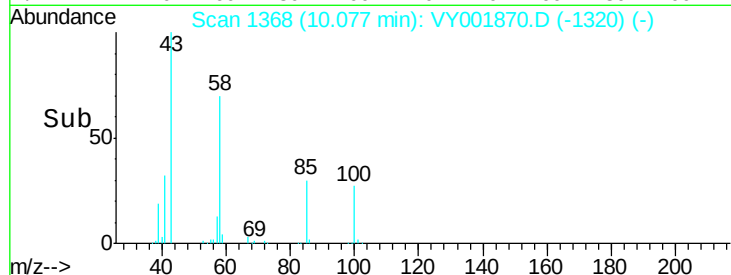
20000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 20.002 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001870.D

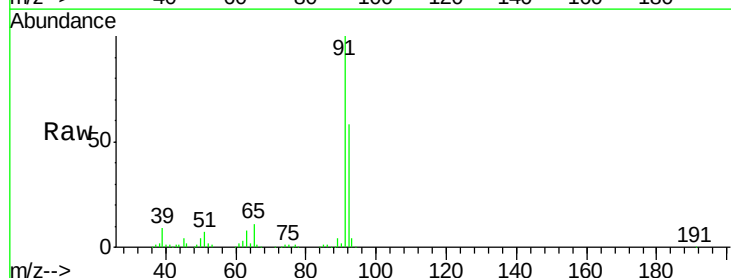
Acq: 05 Mar 2020 10:55

Tgt Ion: 92 Resp: 112495

Ion Ratio Lower Upper

92 100

91 171.9 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

100000

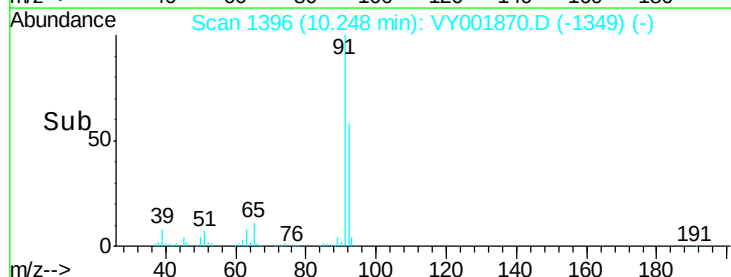
50000

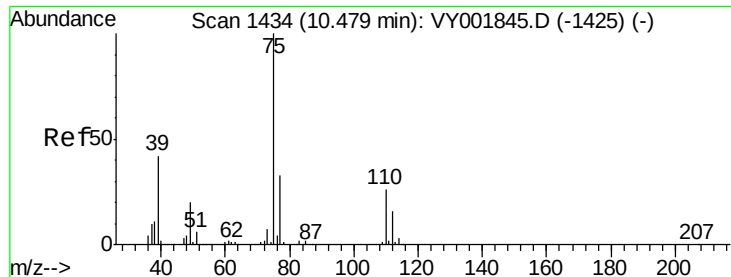
0

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.118 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 75 Resp: 61151

Ion Ratio Lower Upper

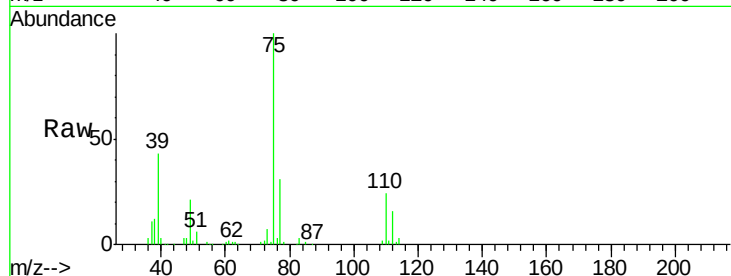
75 100

77 31.4 26.3 39.5

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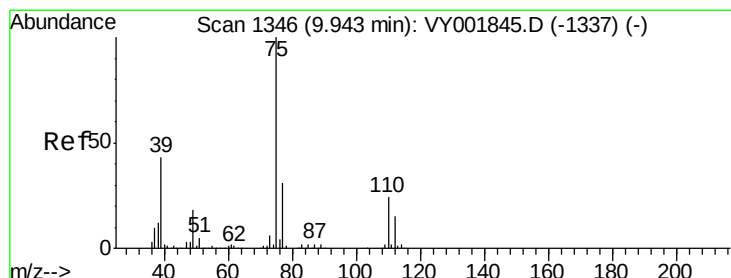
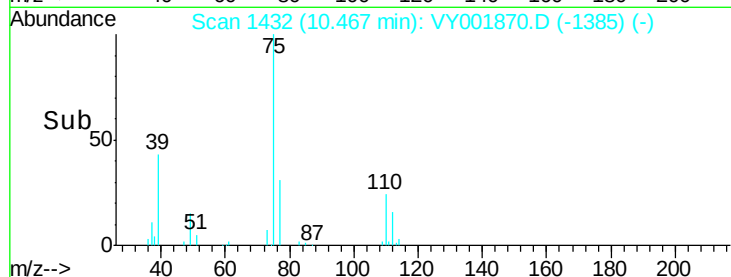
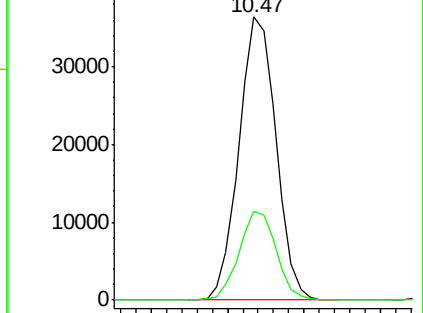
MMDadoda

3/6/2020 11:16:45 AM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.056 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

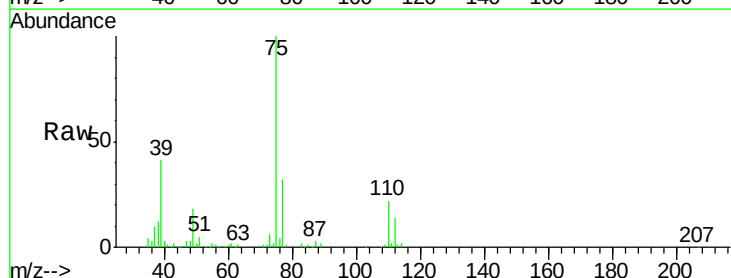
Tgt Ion: 75 Resp: 72571

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

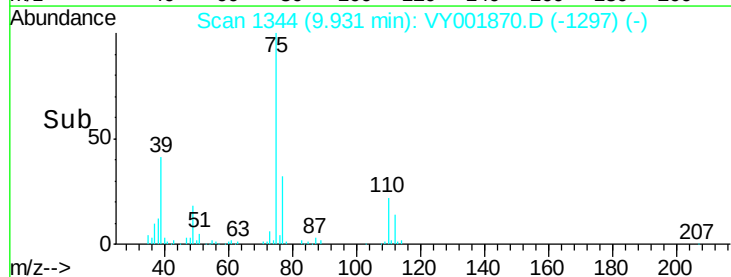
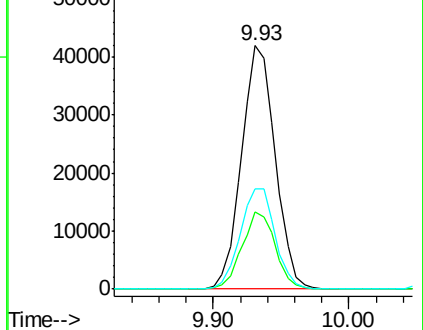
39 41.3 34.7 52.1

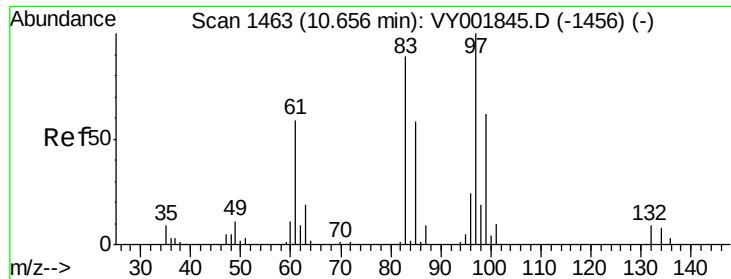


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 19.639 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion: 97 Resp: 34470

Ion Ratio Lower Upper

97 100

83 84.3 71.6 107.4

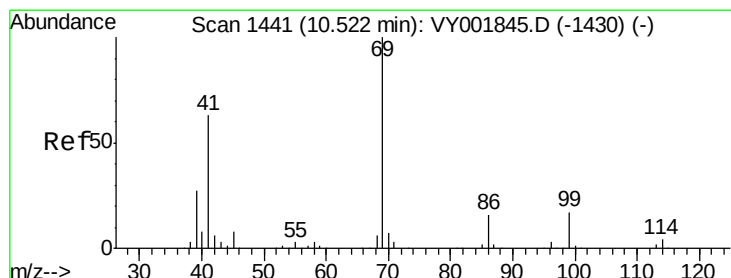
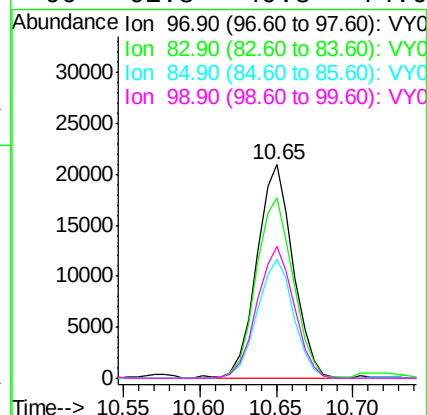
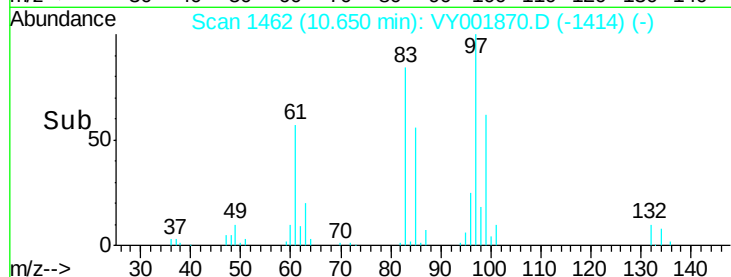
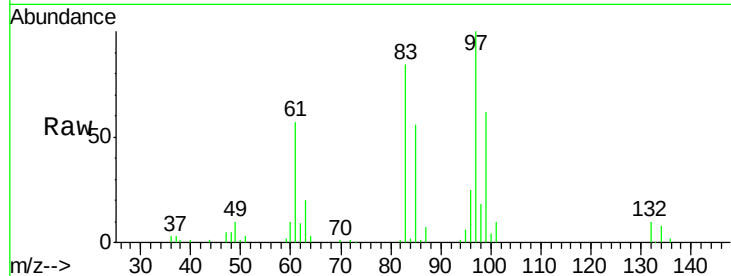
85 55.6 46.6 69.8

99 61.8 49.8 74.6

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#56

Ethyl methacrylate

Concen: 20.132 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

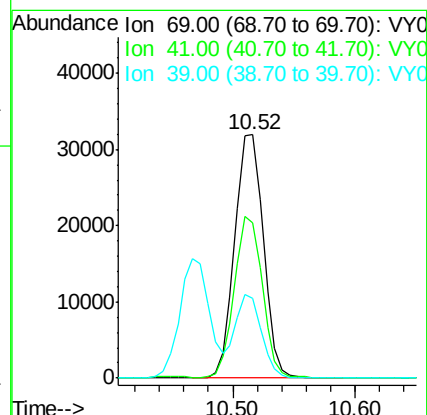
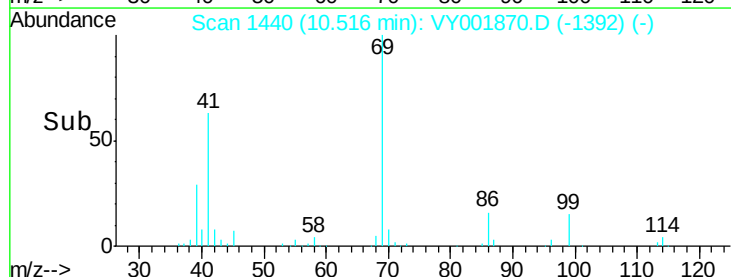
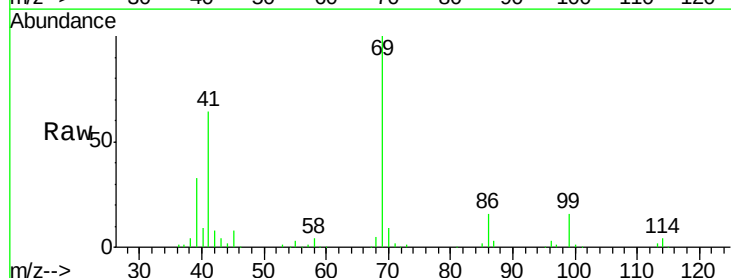
Tgt Ion: 69 Resp: 51794

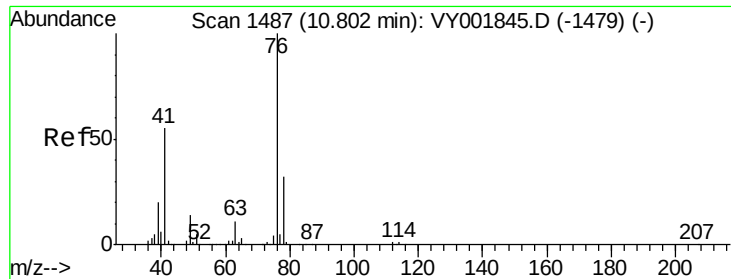
Ion Ratio Lower Upper

69 100

41 64.4 49.9 74.9

39 32.0 23.0 34.6





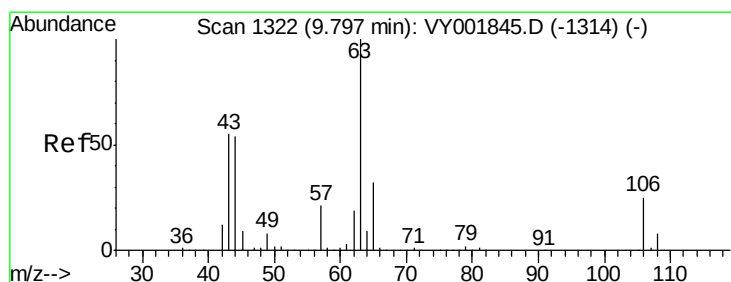
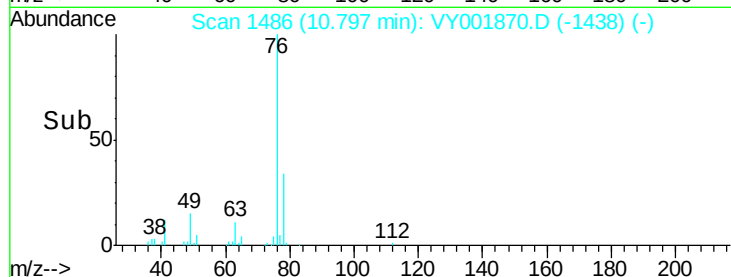
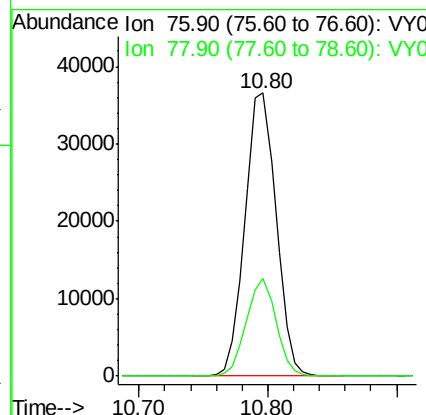
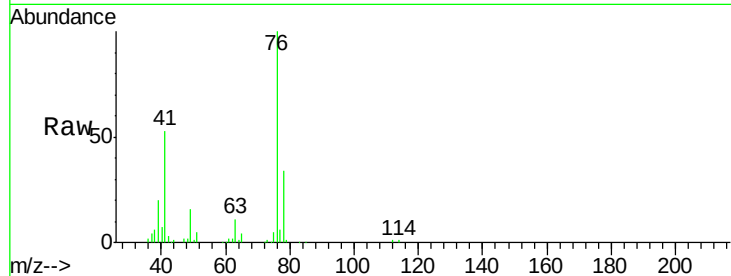
#57
 1,3-Dichloropropane
 Concen: 19.563 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

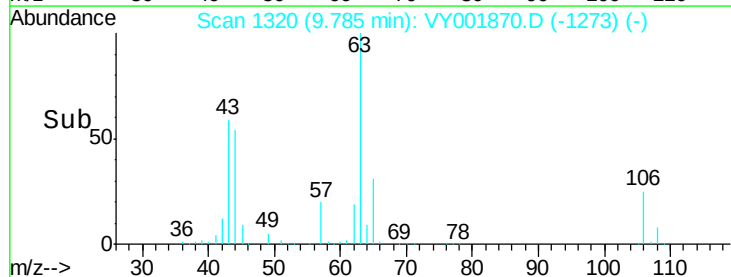
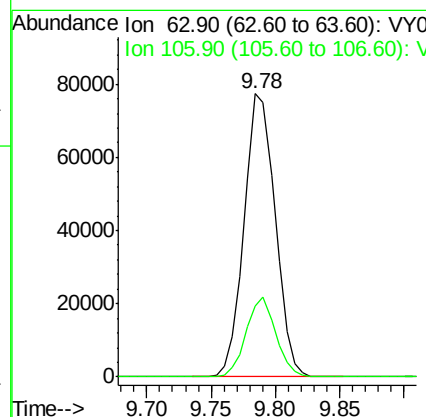
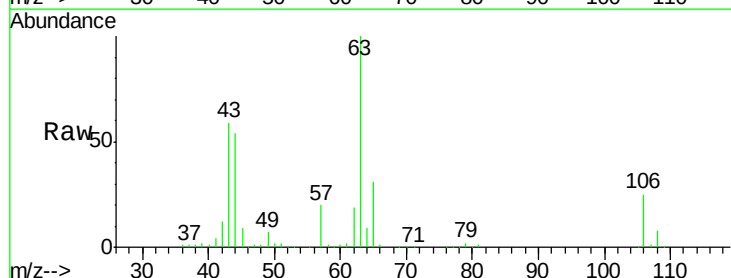
Manual Integrations
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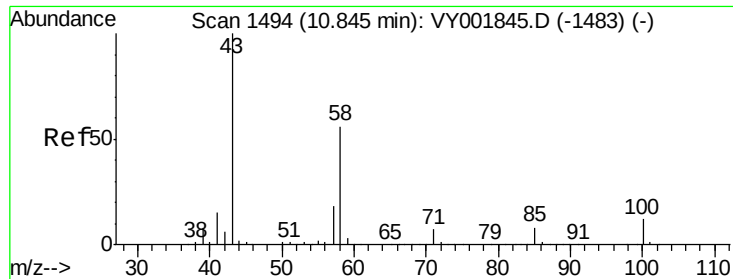
MMDadoda
 3/6/2020 11:16:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.749 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.3	31.9





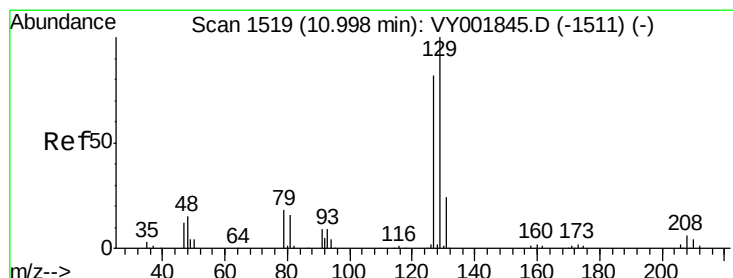
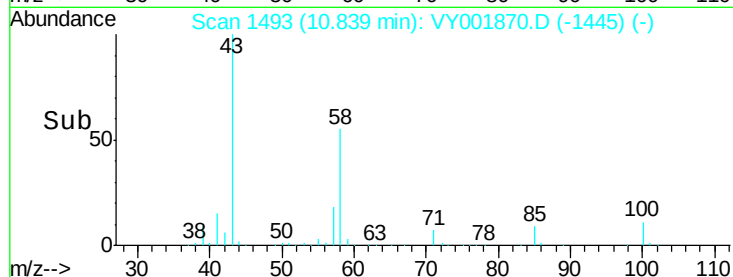
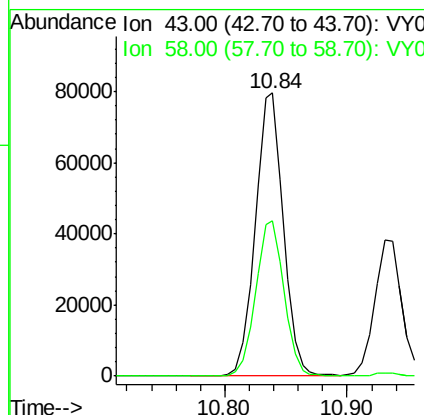
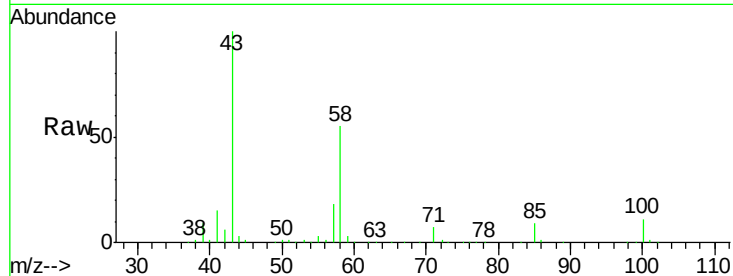
#59
2-Hexanone
Concen: 100.501 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion: 43 Resp: 126992
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.3

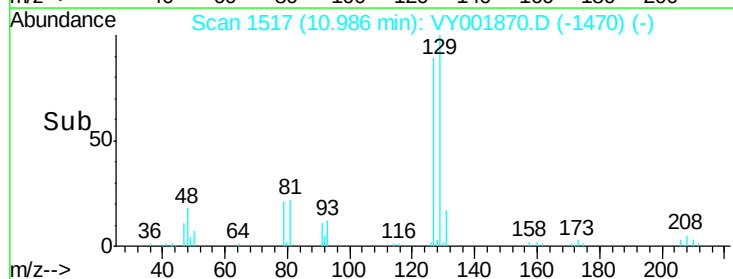
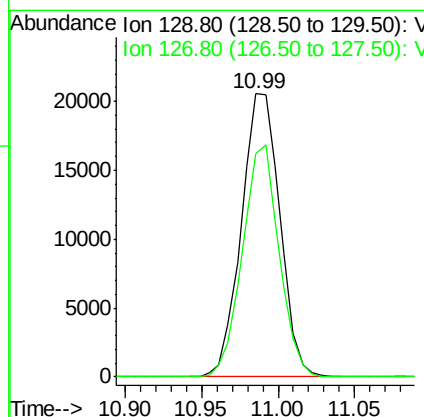
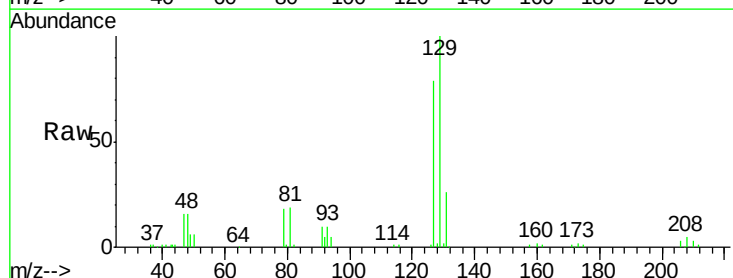
Manual Integrations
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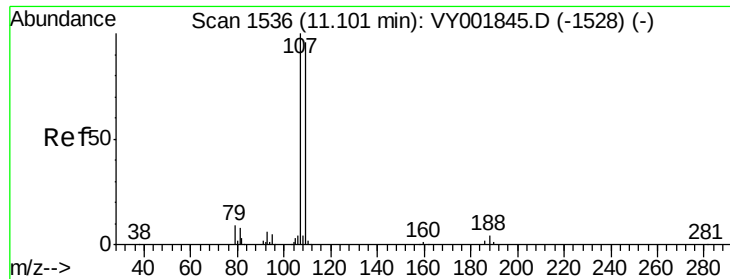
MMDadoda
3/6/2020 11:16:45 AM



#60
Dibromochloromethane
Concen: 19.486 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion:129 Resp: 36040
Ion Ratio Lower Upper
129 100
127 77.5 39.0 117.0





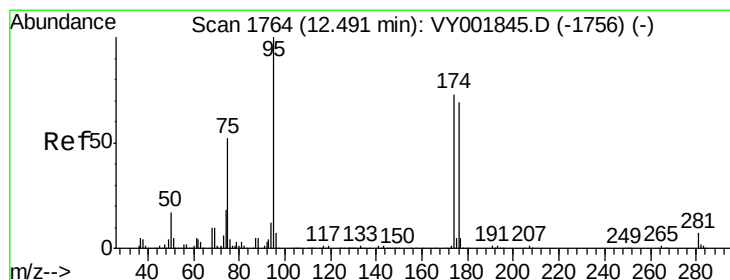
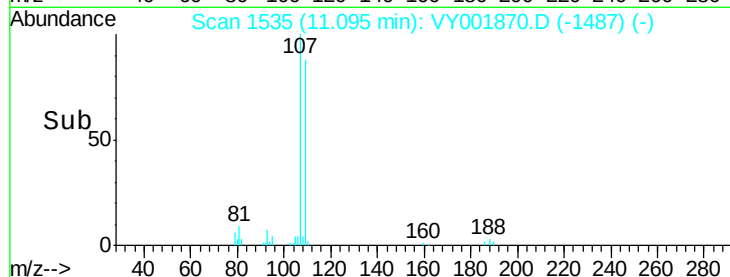
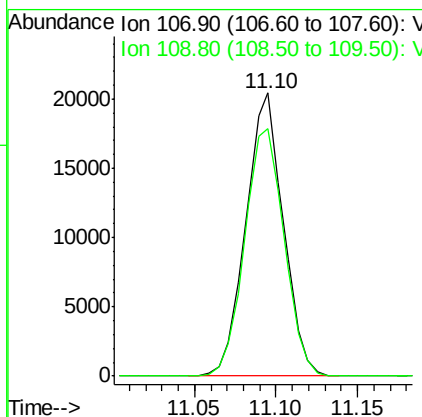
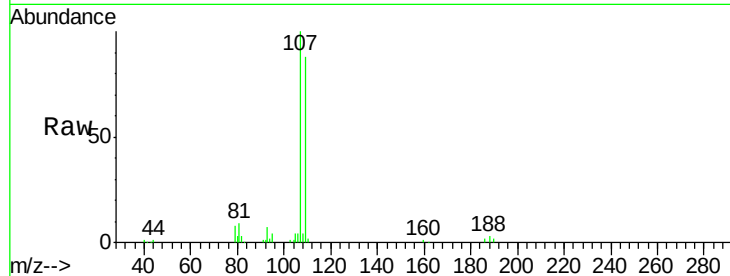
#61
 1,2-Dibromoethane
 Concen: 19.632 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion:107 Resp: 32640
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.4 113.0

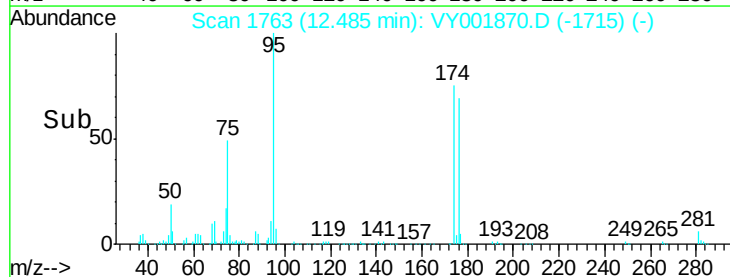
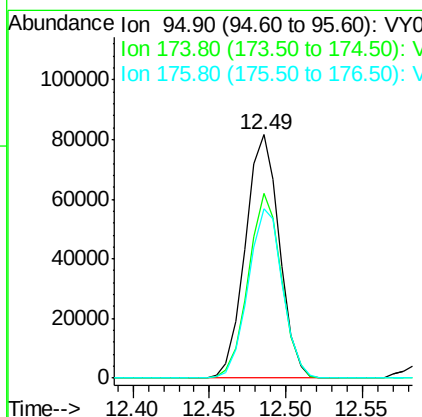
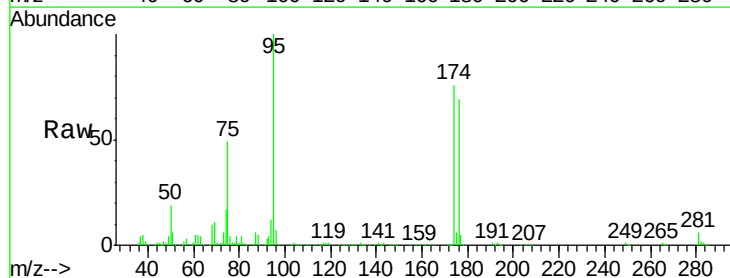
Manual Integrations
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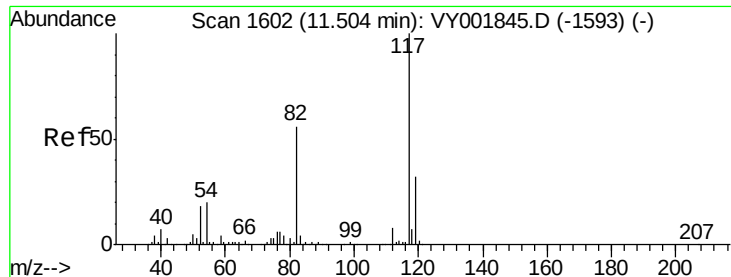
MMDadoda
 3/6/2020 11:16:45 AM



#62
 4-Bromofluorobenzene
 Concen: 48.550 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion: 95 Resp: 126172
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 145.0
 176 70.3 0.0 137.4





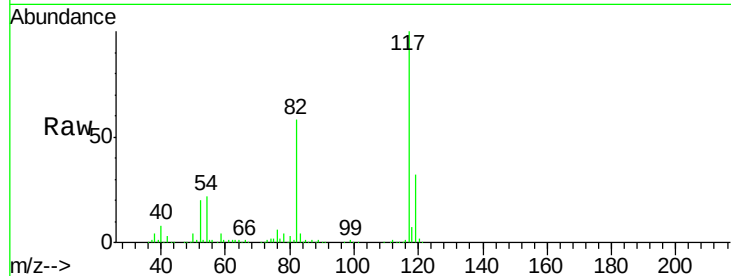
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291193		
82	57.6	44.5	66.7	
119	31.8	25.7	38.5	

Manual Integrations
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MMDadoda
3/6/2020 11:16:45 AM

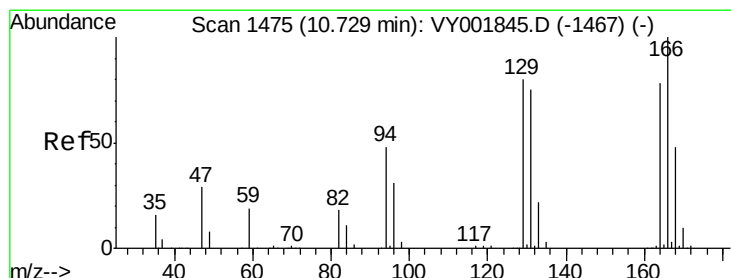
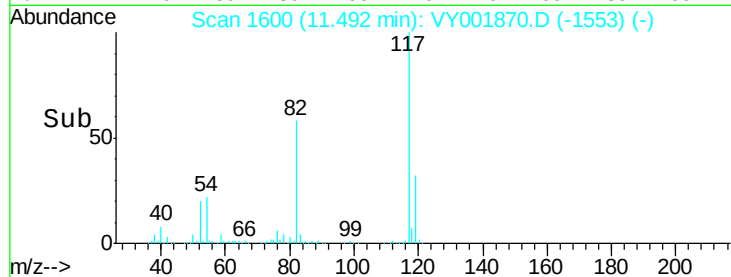
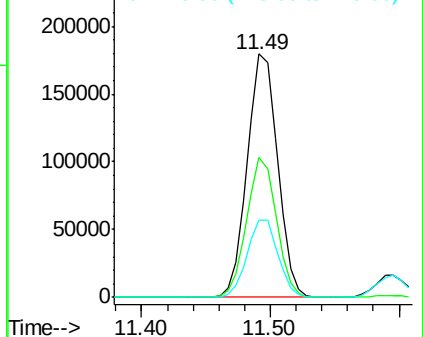


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.373 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35378		
166	131.3	102.6	154.0	
129	97.2	82.3	123.5	
131	97.0	77.4	116.0	

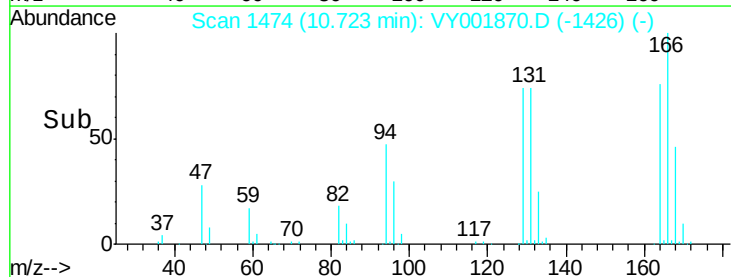
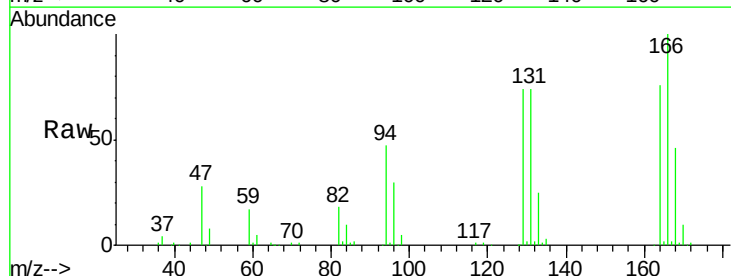
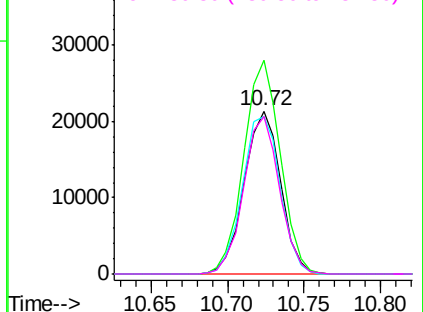
Abundance

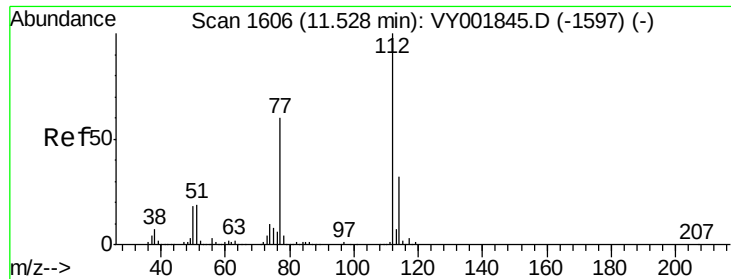
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





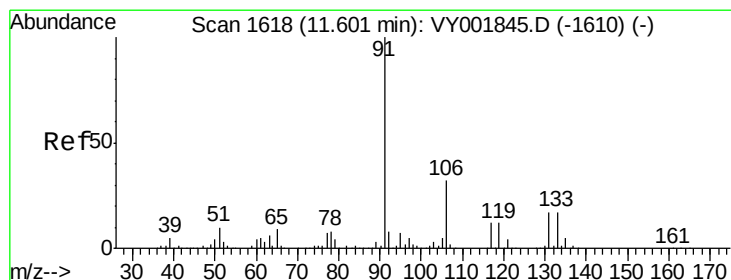
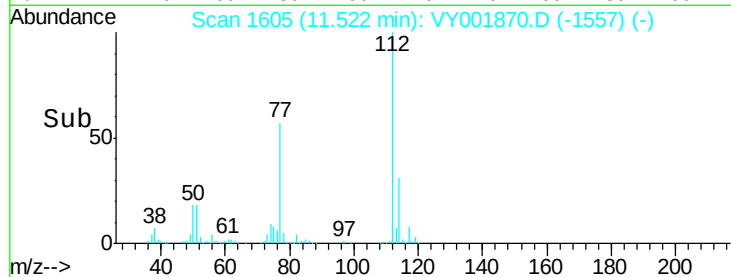
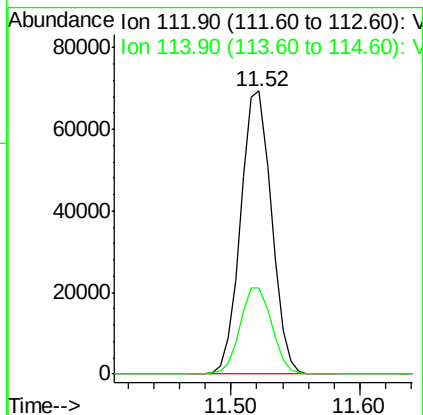
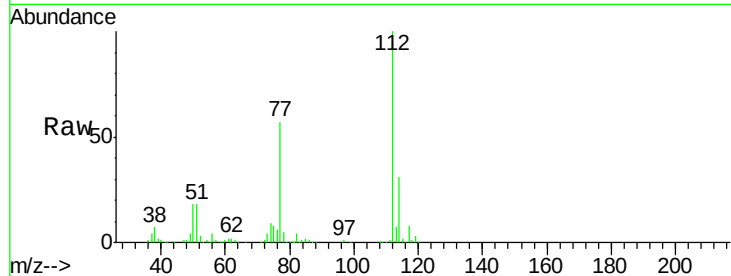
#65
Chlorobenzene
Concen: 19.769 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.9	38.9

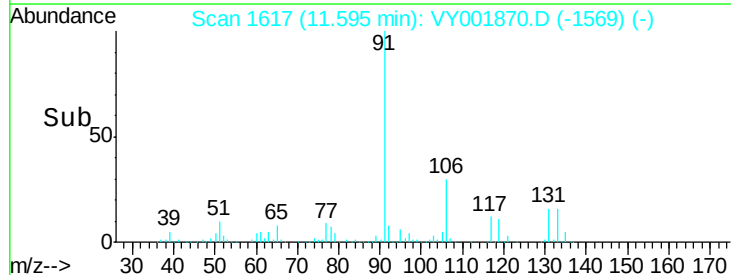
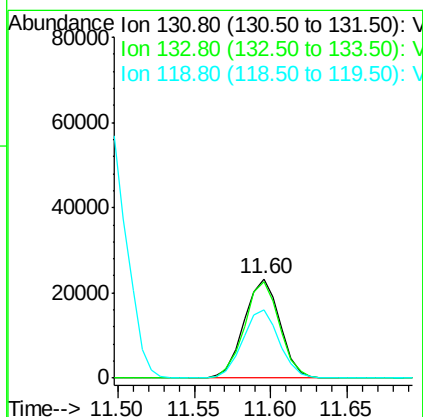
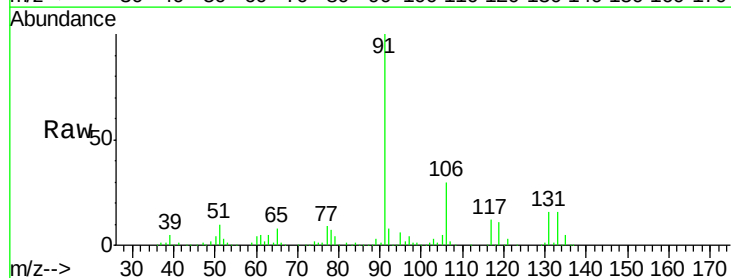
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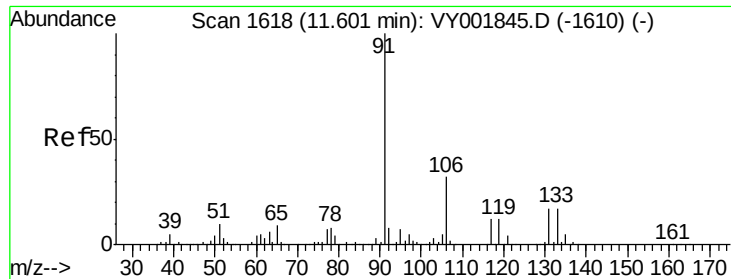
MMDadoda
3/6/2020 11:16:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.856 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.3
119	70.1	34.5	103.6





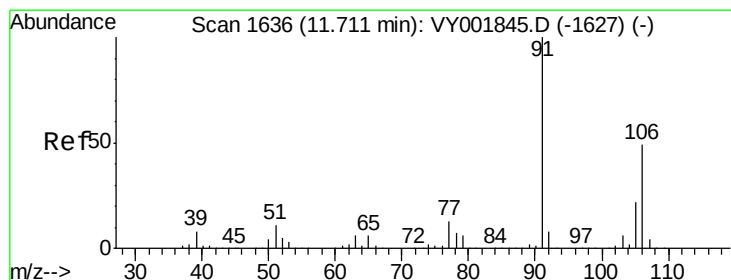
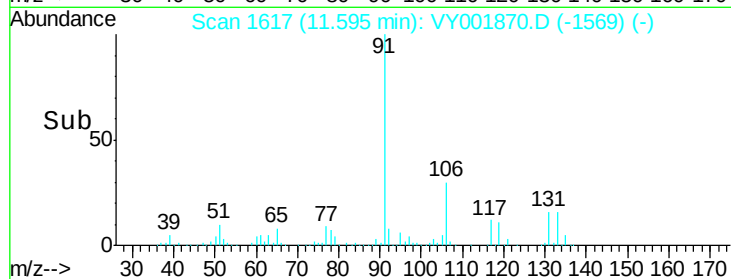
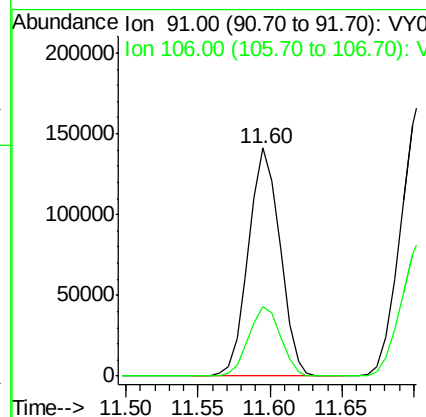
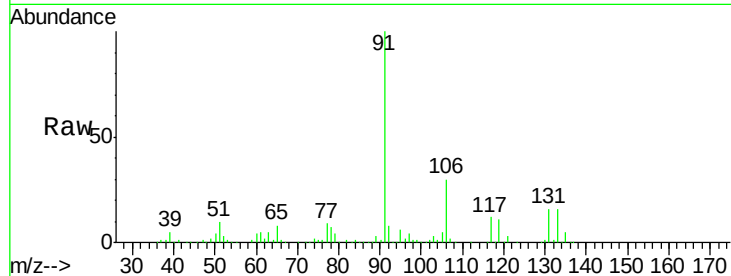
#67
Ethyl Benzene
Concen: 19.862 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	91	Resp	214931
Ion Ratio	100	Lower	Upper
106	30.3	25.4	38.2

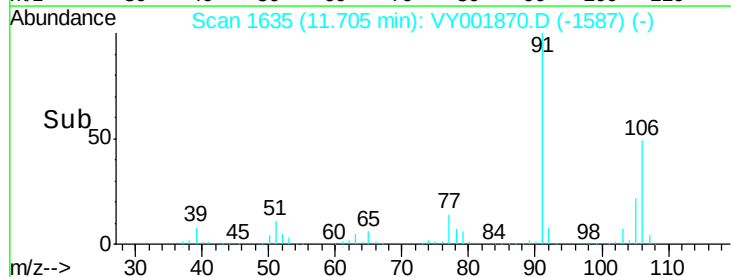
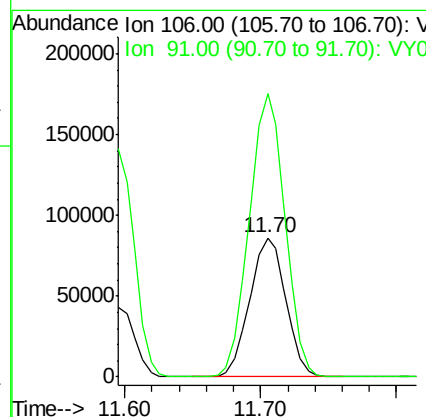
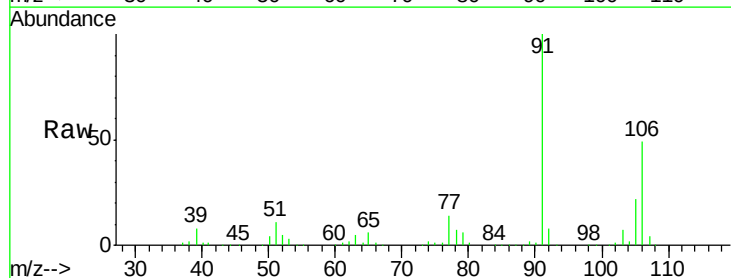
Manual Integrations
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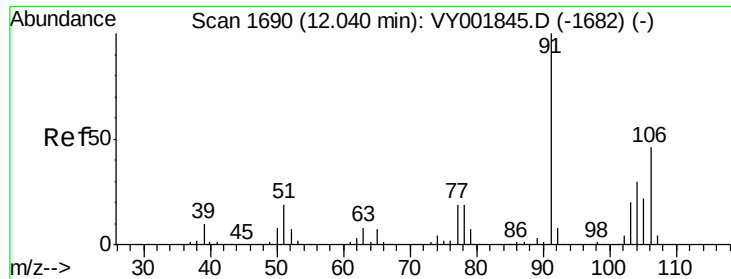
MMDadoda
3/6/2020 11:16:45 AM



#68
m/p-Xylenes
Concen: 39.930 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	106	Resp	159746
Ion Ratio	100	Lower	Upper
91	201.7	161.3	241.9





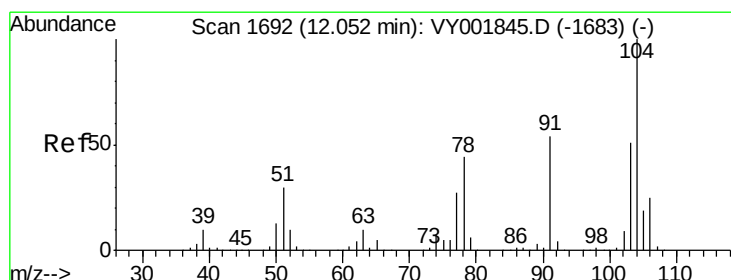
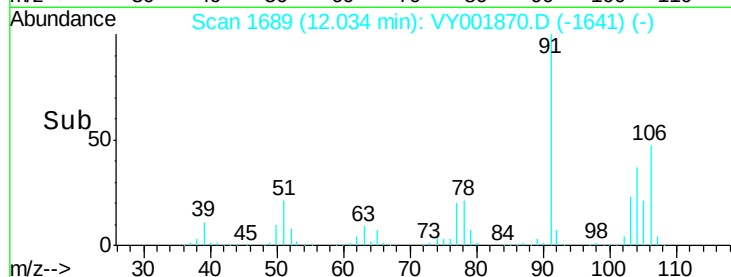
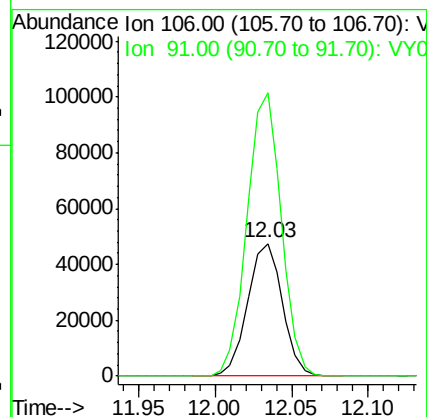
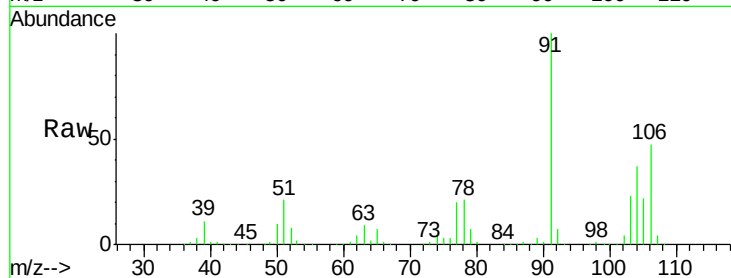
#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion:106 Resp: 74769
Ion Ratio Lower Upper
106 100
91 210.6 106.8 320.4

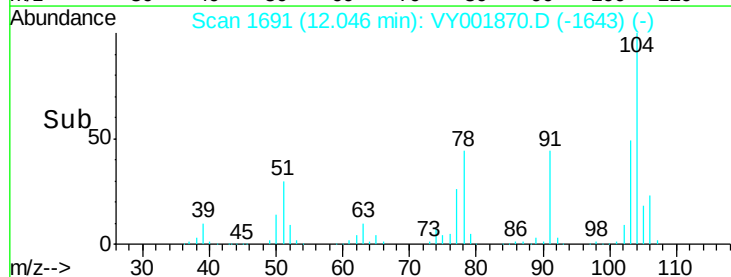
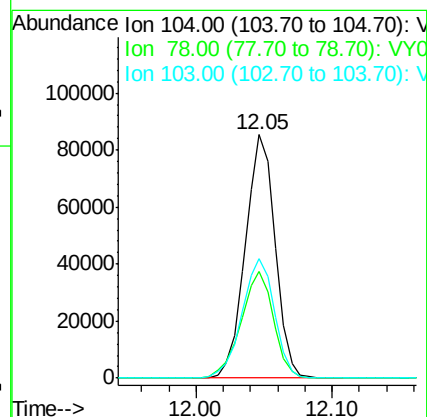
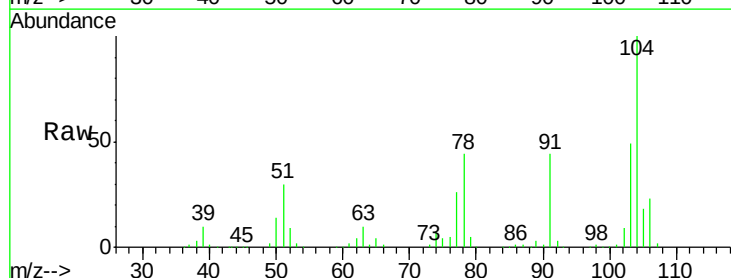
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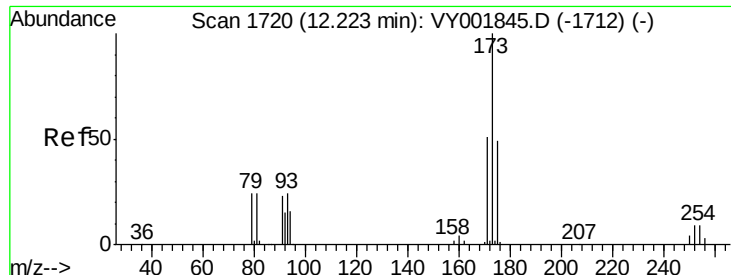
MMDadoda
3/6/2020 11:16:45 AM



#70
Styrene
Concen: 20.277 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion:104 Resp: 130951
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 53.3 42.9 64.3





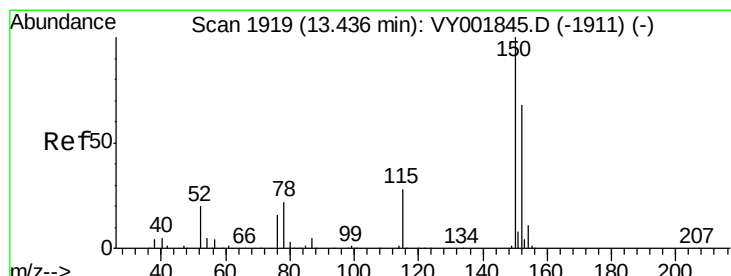
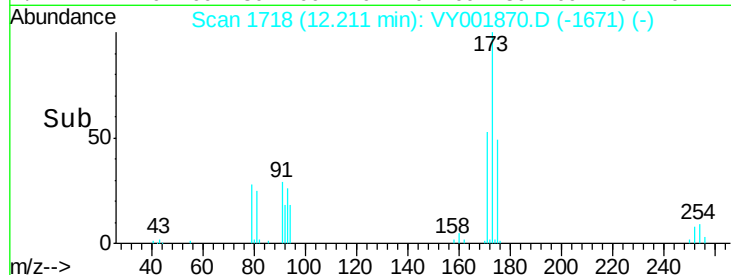
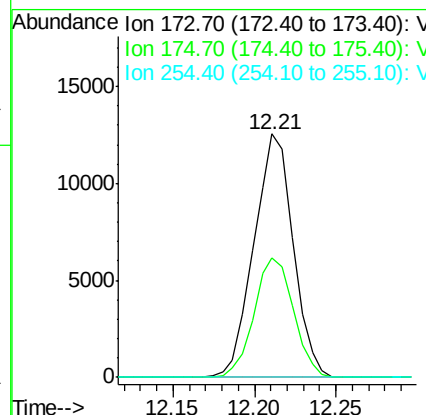
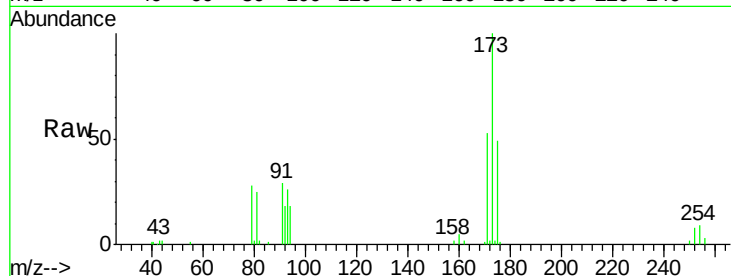
#71
Bromoform
Concen: 20.314 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

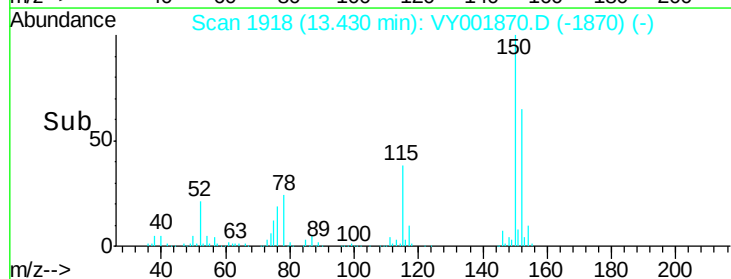
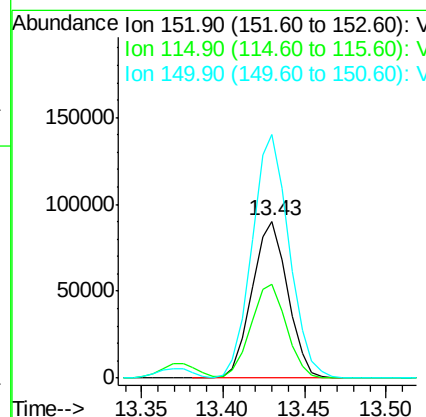
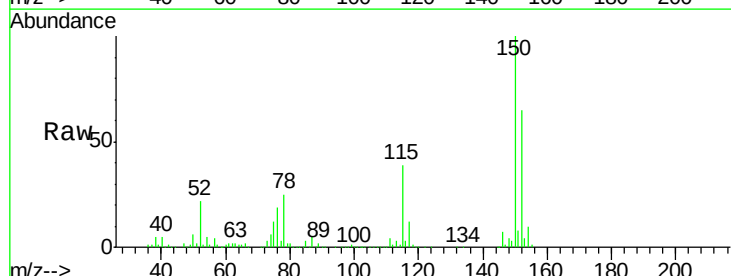
Manual Integrations
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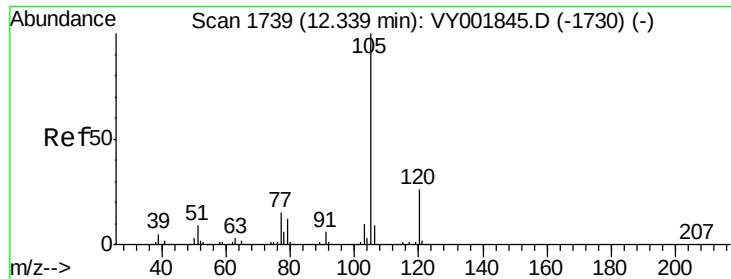
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3/6/2020 11:16:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.9	89.7
150	161.8	0.0	340.6





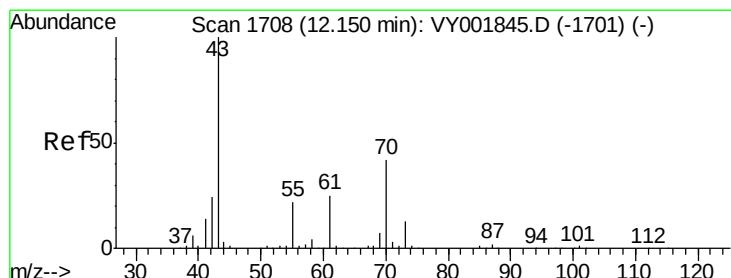
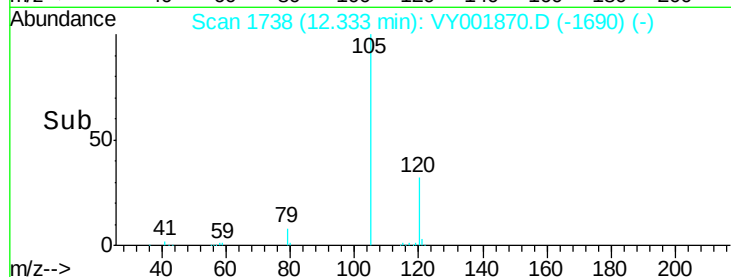
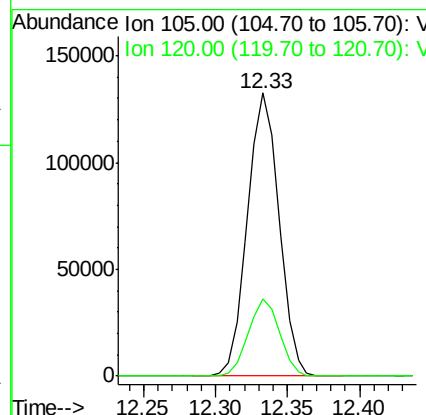
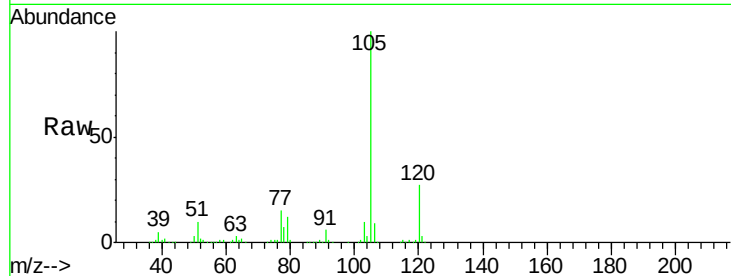
#73
Isopropylbenzene
Concen: 19.160 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201128		
120	27.0	13.1	39.3	

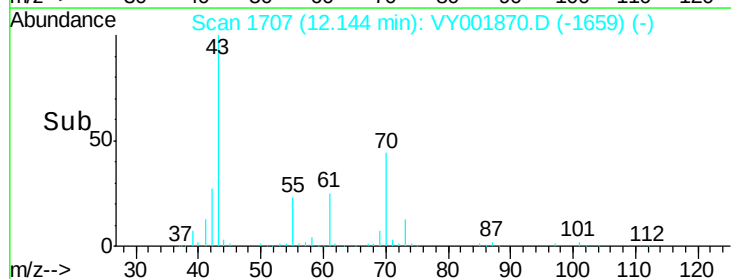
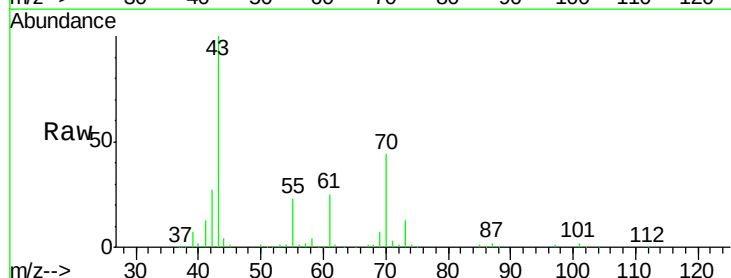
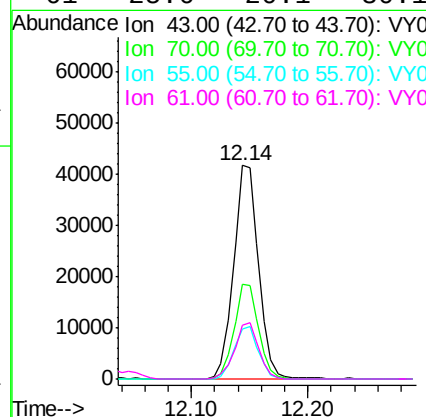
Manual Integrations
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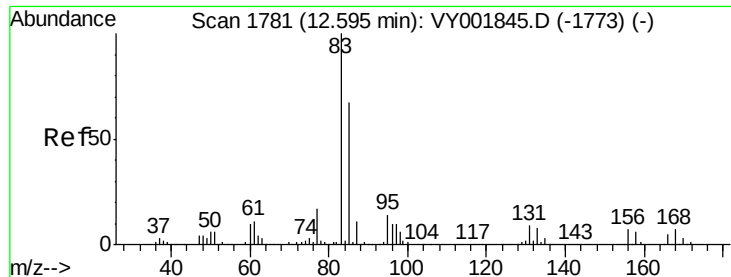
MMDadoda
3/6/2020 11:16:45 AM



#74
N-ethyl acetate
Concen: 19.144 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	61762		
70	43.3	34.7	52.1	
55	24.1	18.2	27.4	
61	25.6	20.1	30.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.345 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

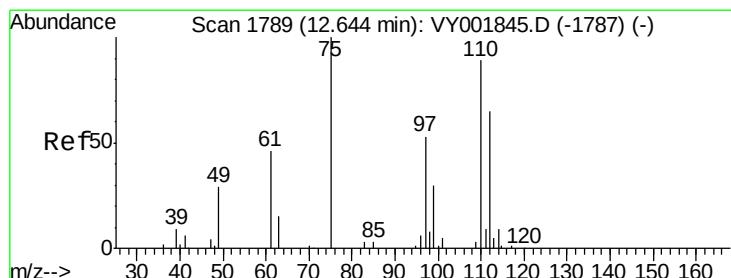
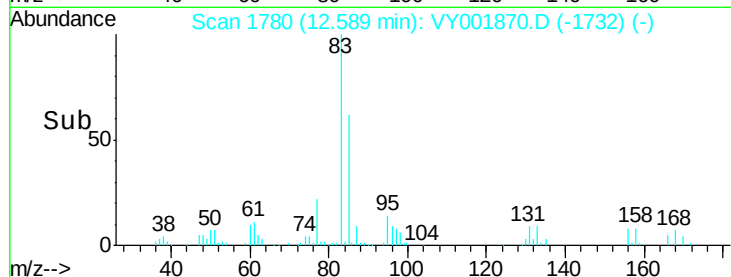
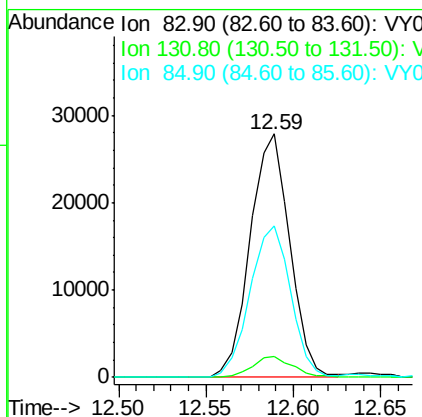
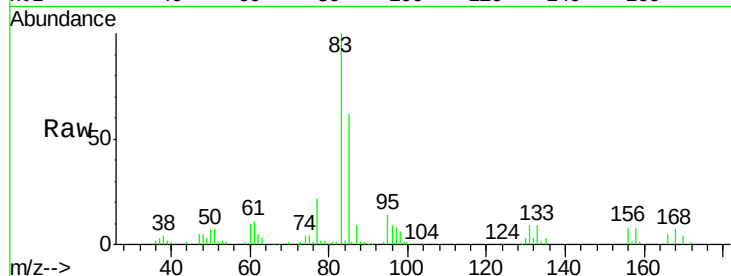
ClientSampleId :

VY0305SBS01

Tot Ion:	83	Resp:	43791
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.6	13.8
85	64.3	32.1	96.3

Manual Integrations
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3/6/2020 11:16:45 AM



#76

1,2,3-Trichloropropane

Concen: 17.434 ug/l m

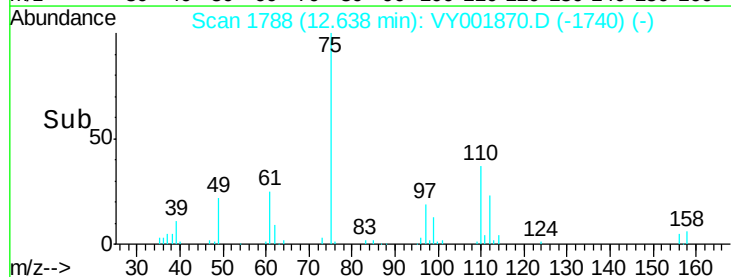
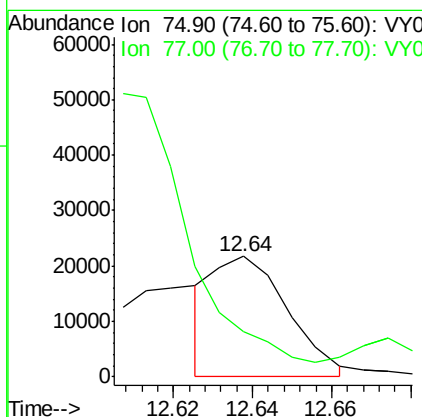
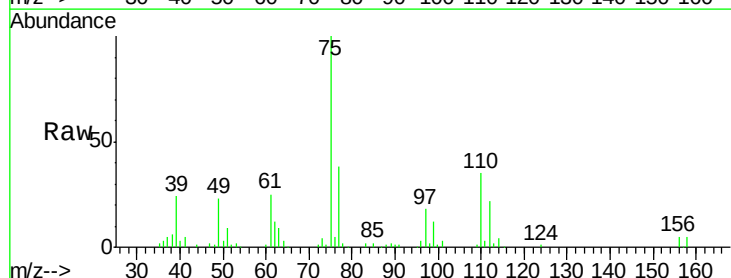
RT: 12.64 min Scan# 1788

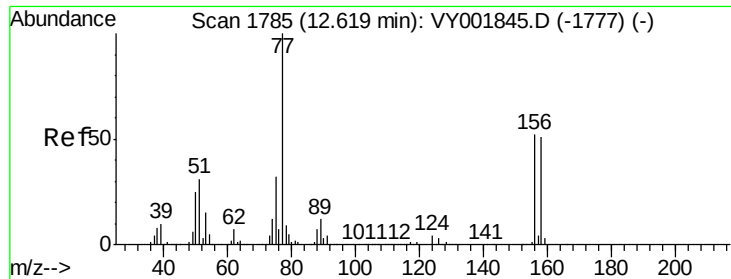
Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	75	Resp:	28447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.221 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion:156 Resp: 42748

Ion Ratio Lower Upper

156 100

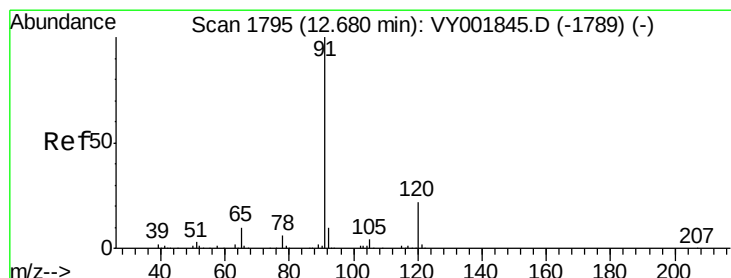
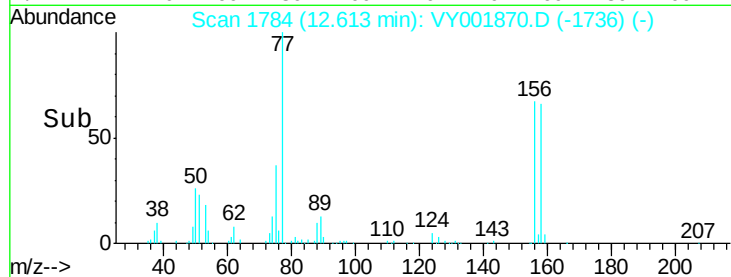
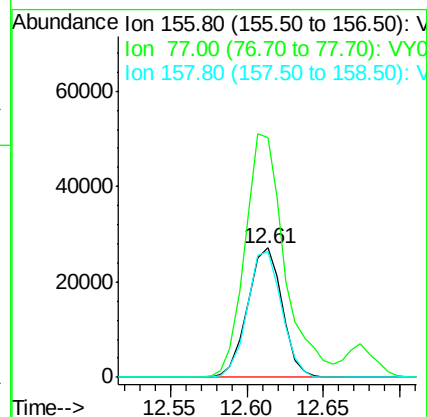
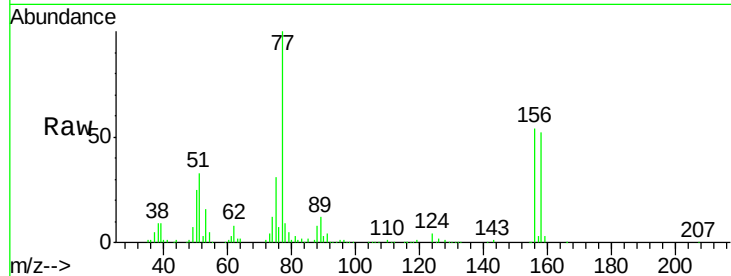
77 216.1 109.0 327.0

158 96.7 48.9 146.8

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#78

n-propylbenzene

Concen: 19.525 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001870.D

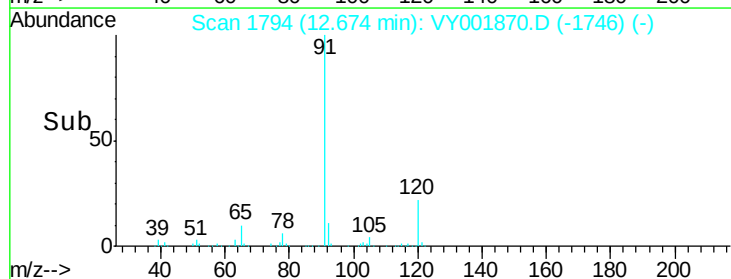
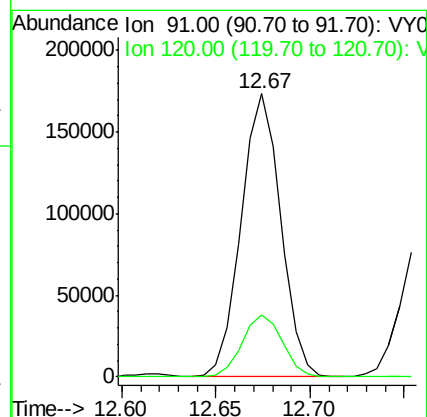
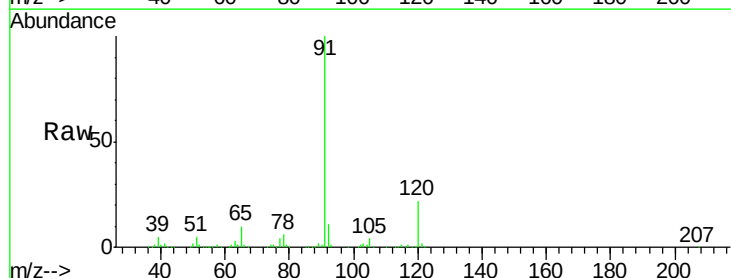
Acq: 05 Mar 2020 10:55

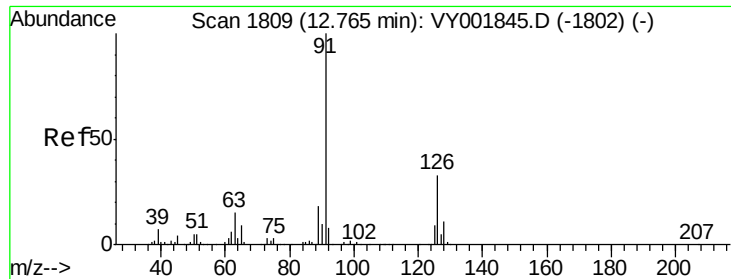
Tgt Ion: 91 Resp: 252862

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0





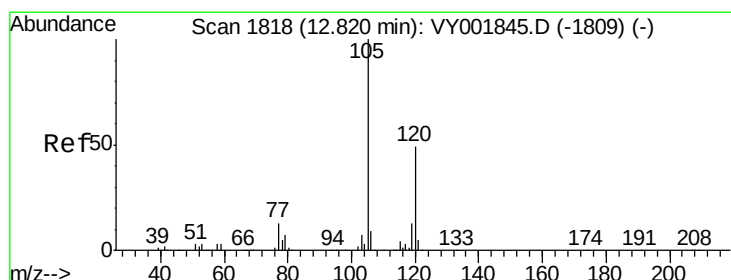
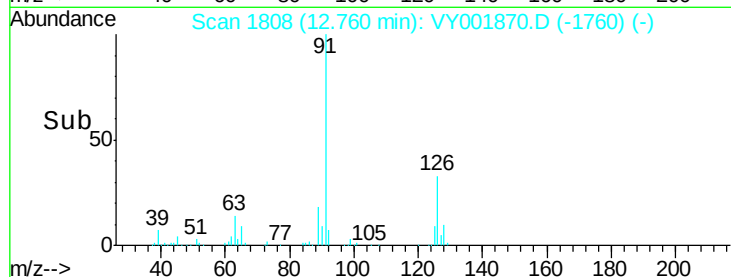
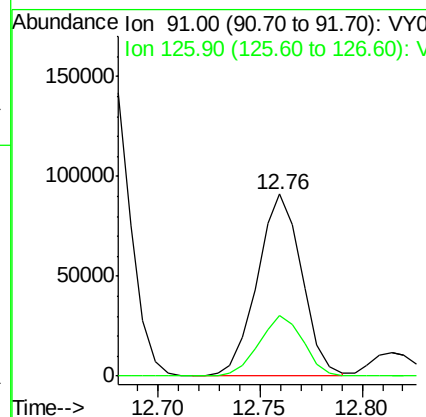
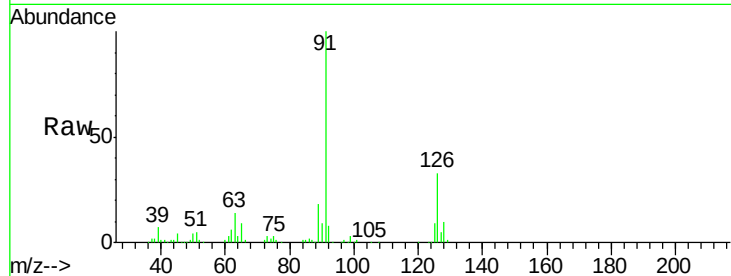
#79
2-Chlorotoluene
Concen: 19.309 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.8

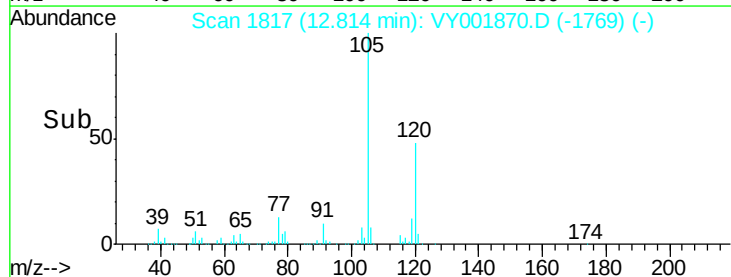
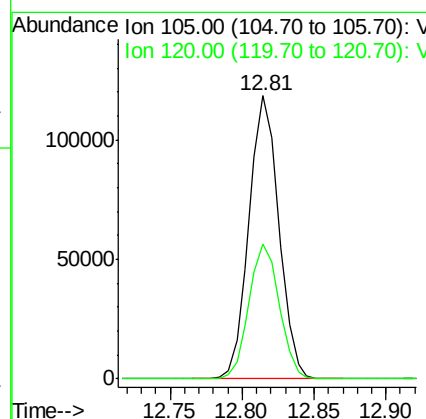
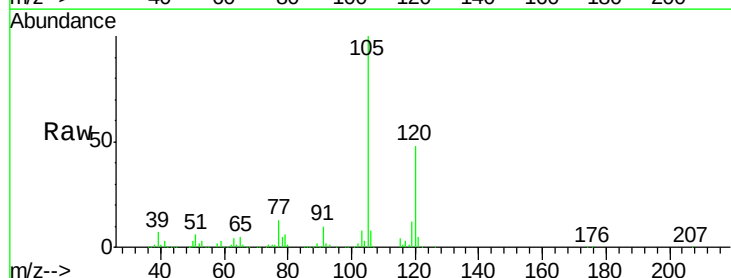
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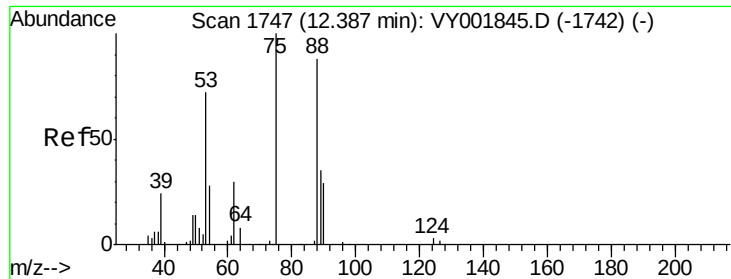
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.667 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.4	73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.700 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

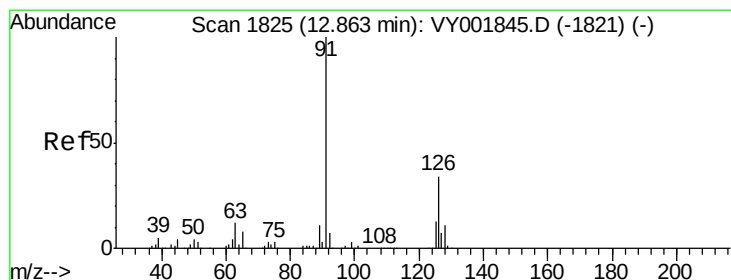
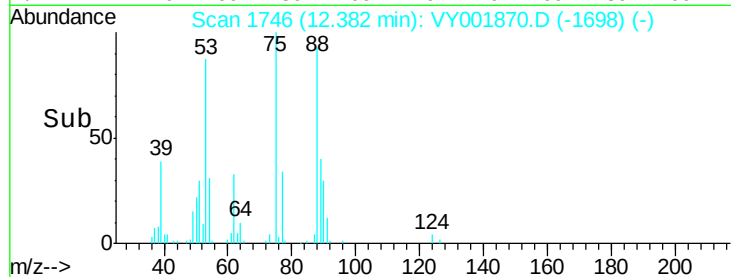
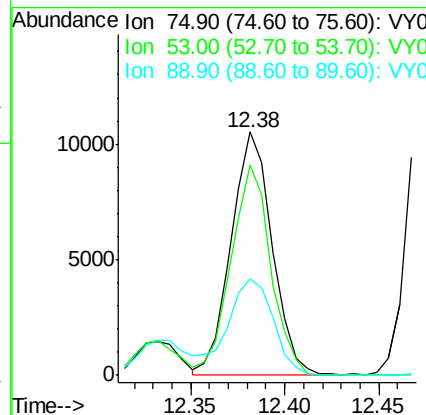
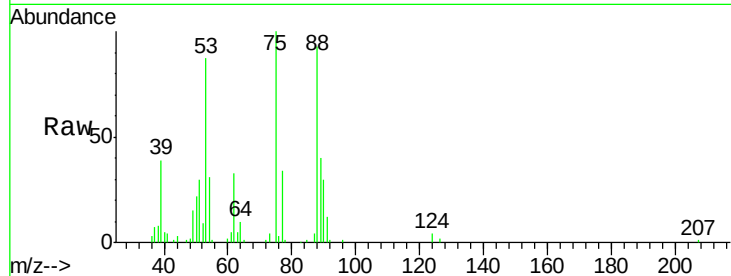
ClientSampleId :

VY0305SBS01

Tot Ion:	75	Resp:	15913
Ion	Ratio	Lower	Upper
75	100		
53	83.7	65.4	98.0
89	44.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.631 ug/l

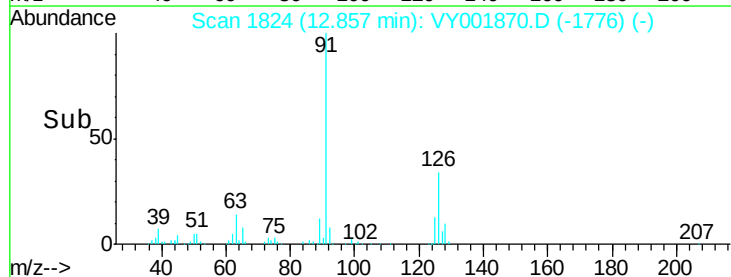
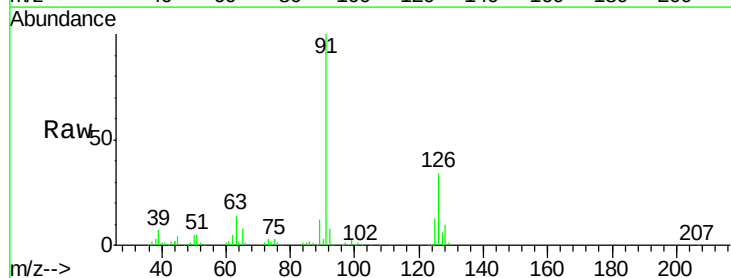
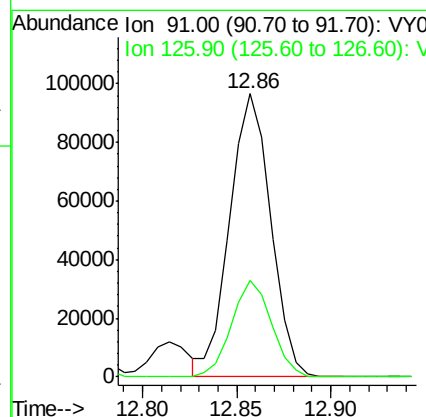
RT: 12.86 min Scan# 1824

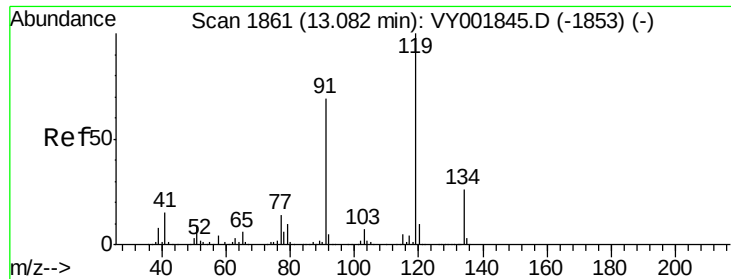
Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	91	Resp:	146246
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.2





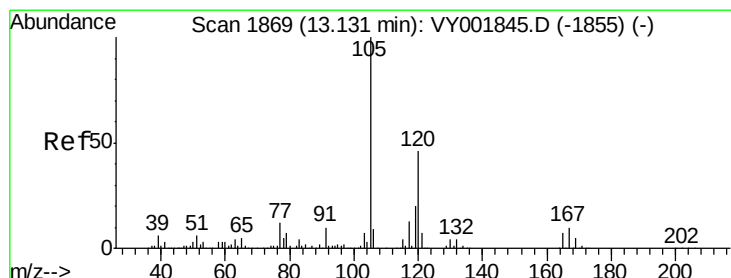
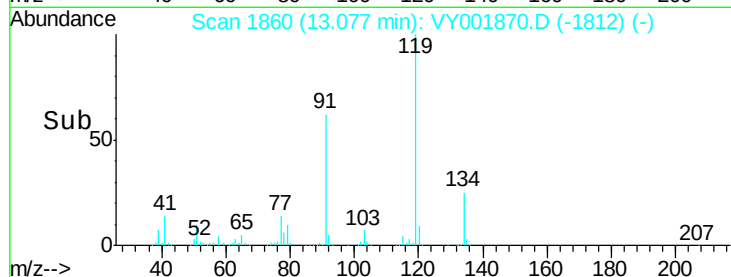
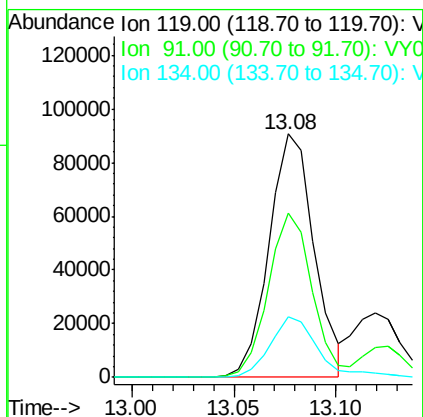
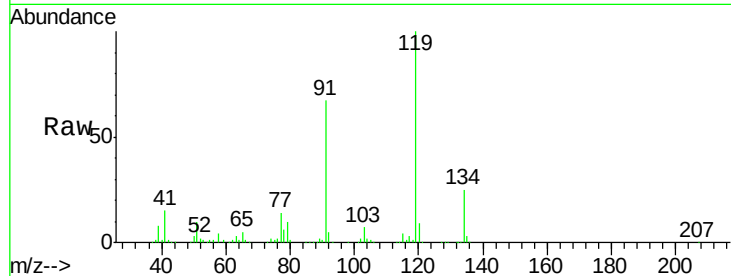
#83
 tert-Butylbenzene
 Concen: 19.448 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139589		
91	66.4	34.0	101.8	
134	26.7	13.5	40.4	

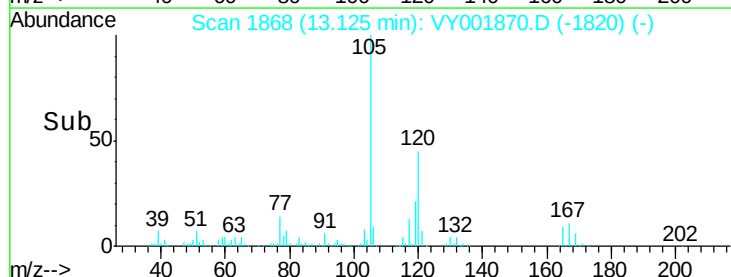
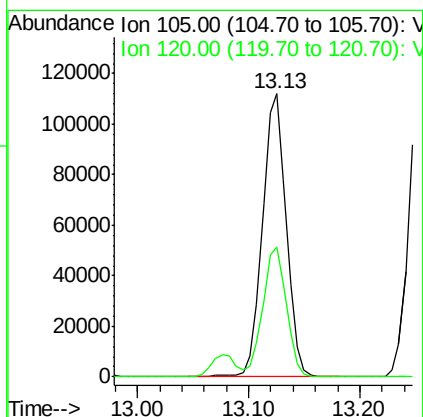
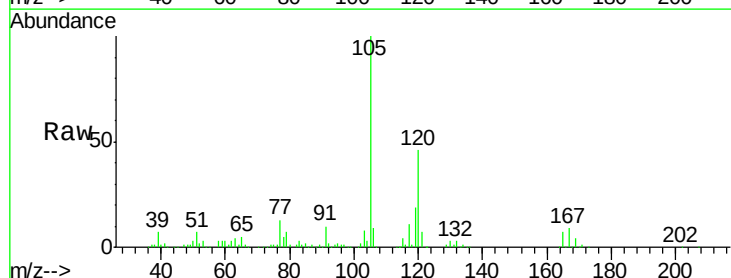
Manual Integrations
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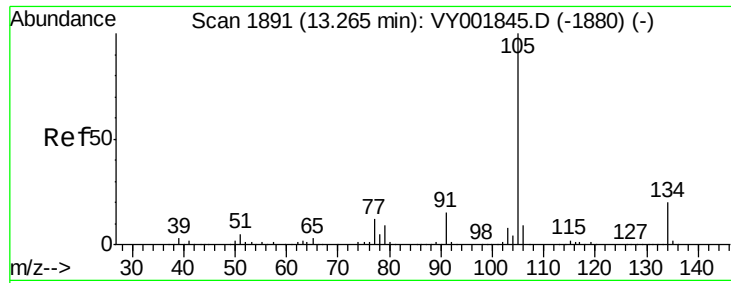
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.495 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167196		
120	45.7	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.627 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0305SBS01

Tot Ion:105 Resp: 207651

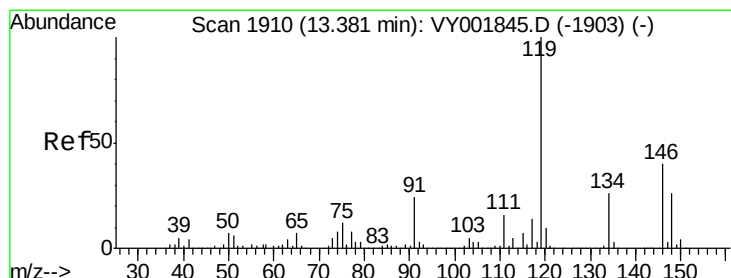
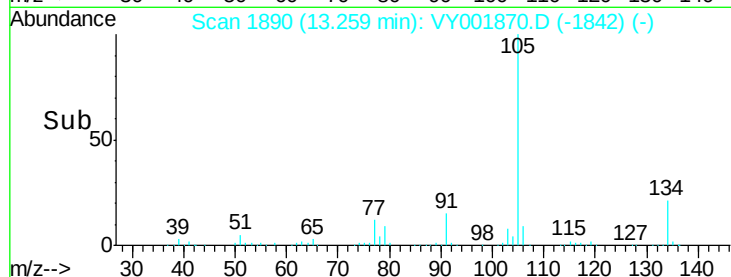
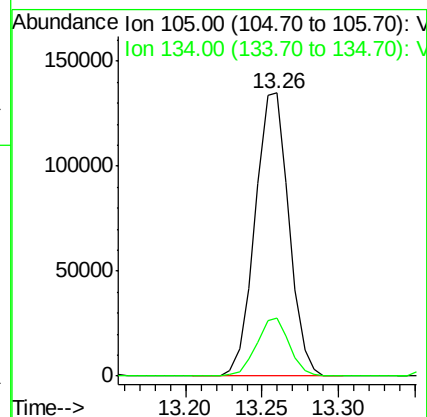
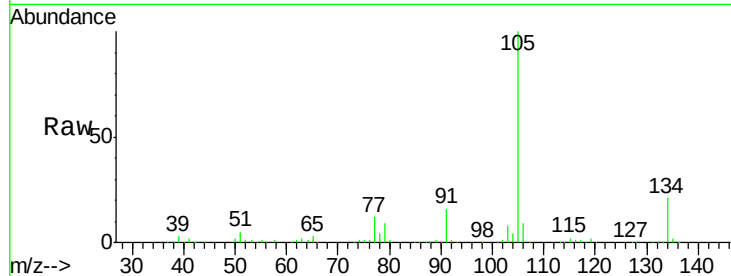
Ion Ratio Lower Upper

105 100

134 20.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.970 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

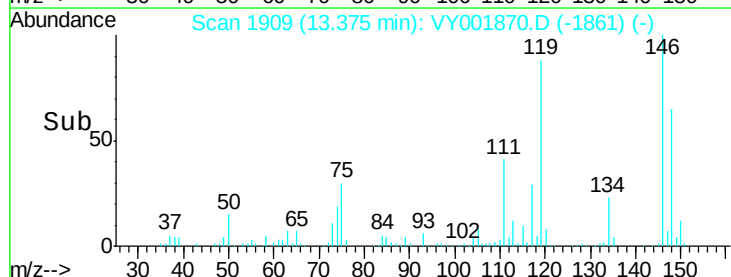
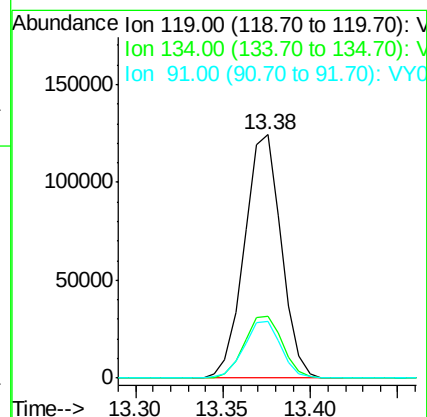
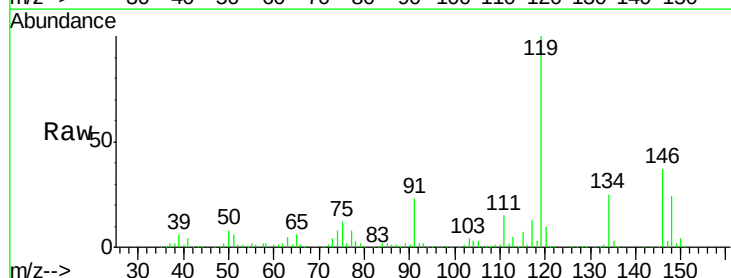
Tgt Ion:119 Resp: 182258

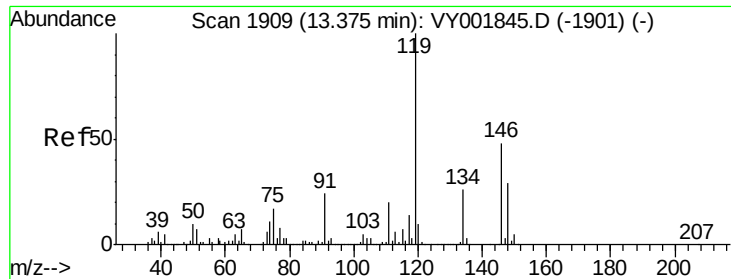
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.5 11.9 35.7





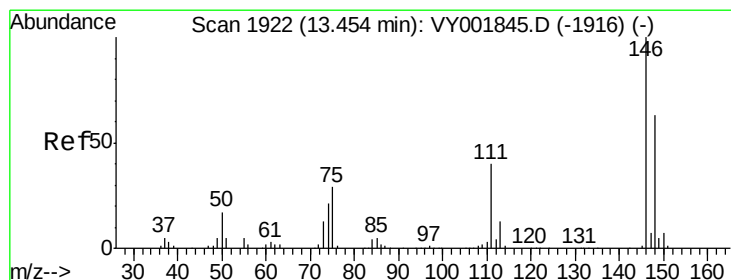
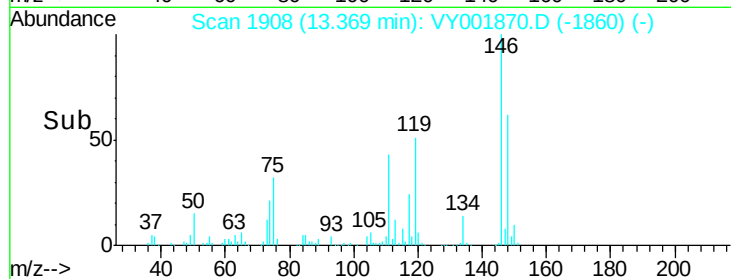
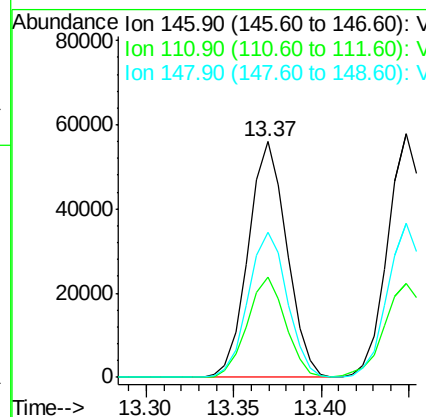
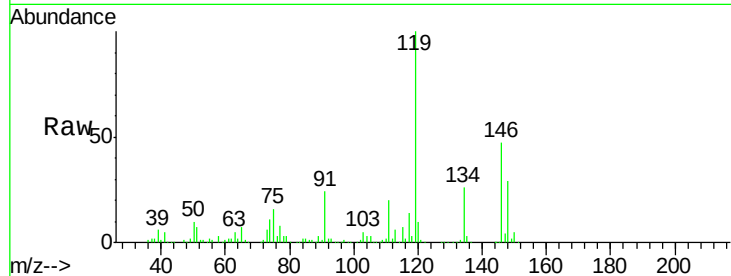
#87
 1,3-Dichlorobenzene
 Concen: 19.709 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	62.1	31.4	94.0

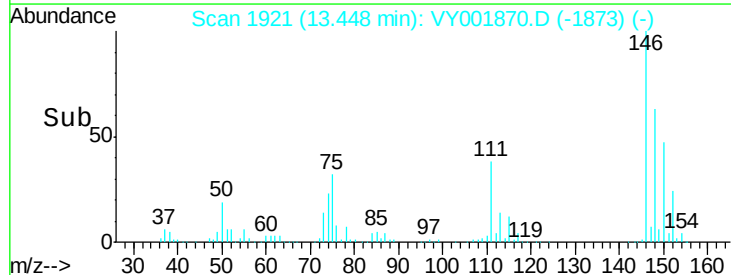
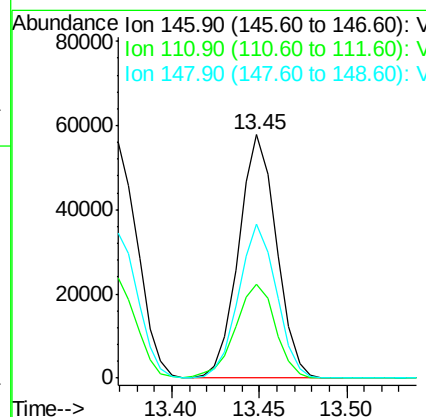
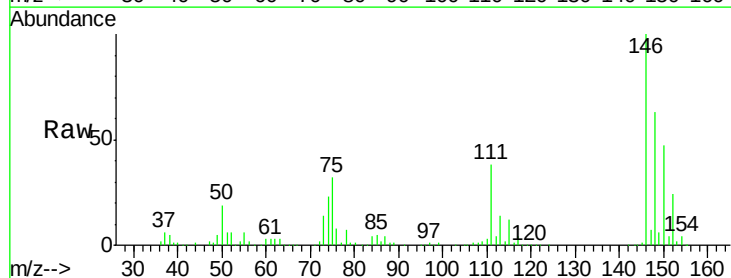
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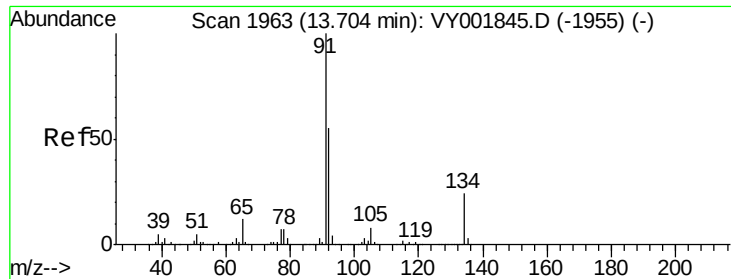
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#88
 1,4-Dichlorobenzene
 Concen: 19.619 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	60.0
148	63.8	31.5	94.5





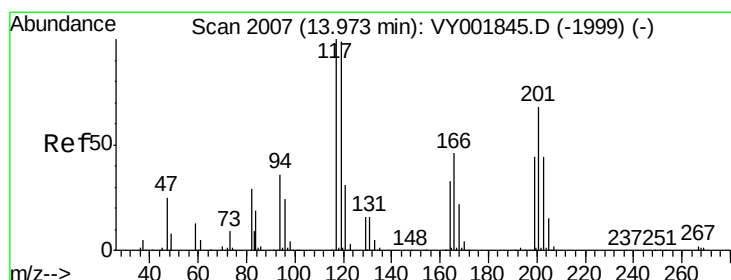
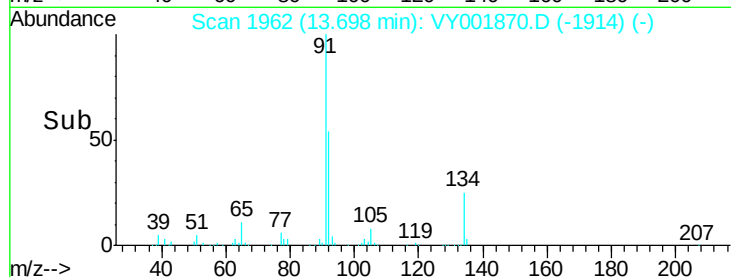
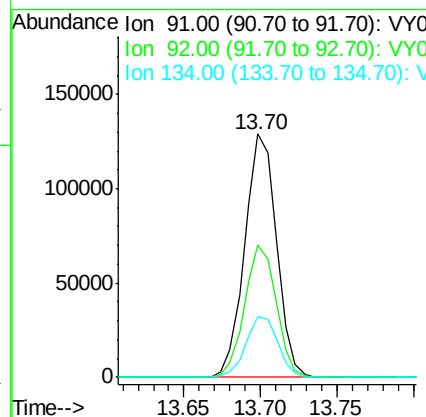
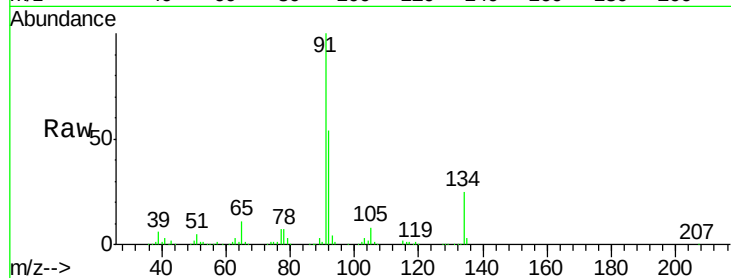
#89
n-Butylbenzene
Concen: 19.657 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186126		
92	54.0		27.5	82.4
134	25.1		12.5	37.5

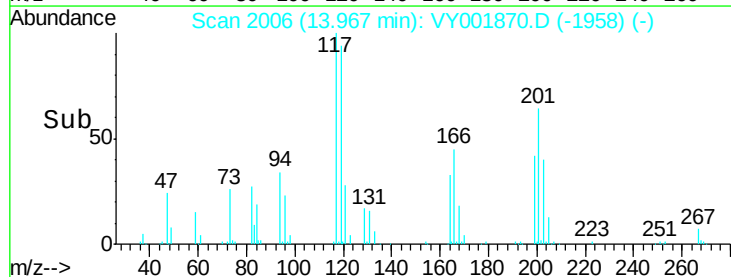
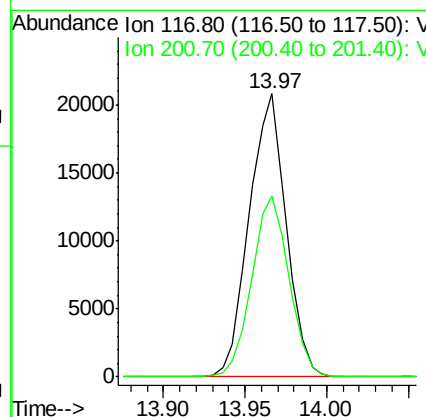
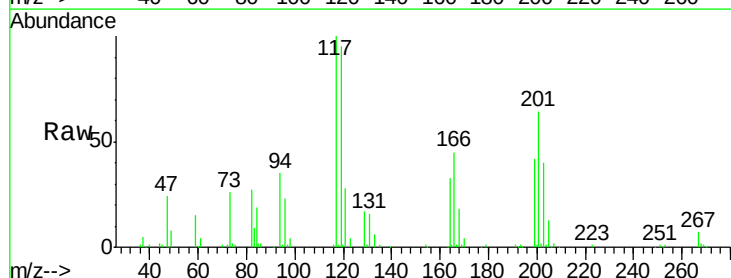
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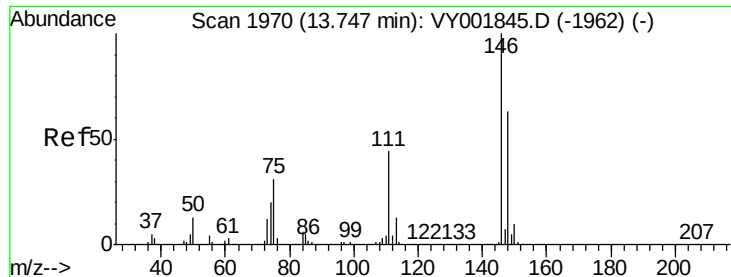
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#90
Hexachloroethane
Concen: 19.047 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001870.D
Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32794		
201	64.3		32.5	97.5





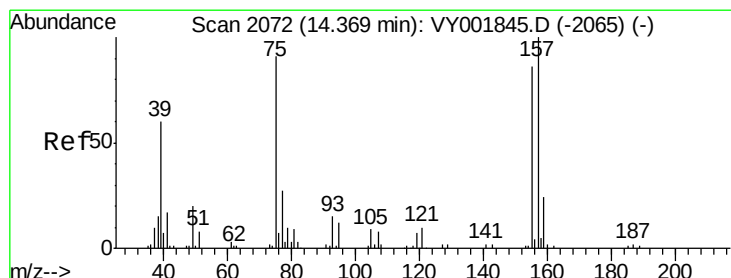
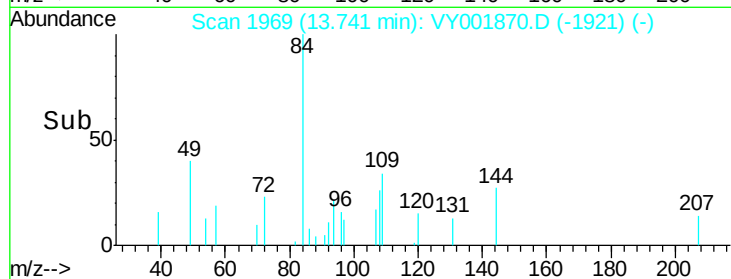
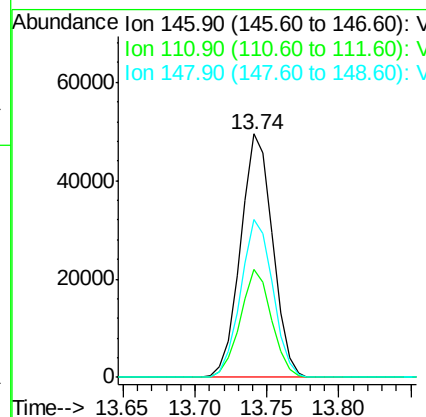
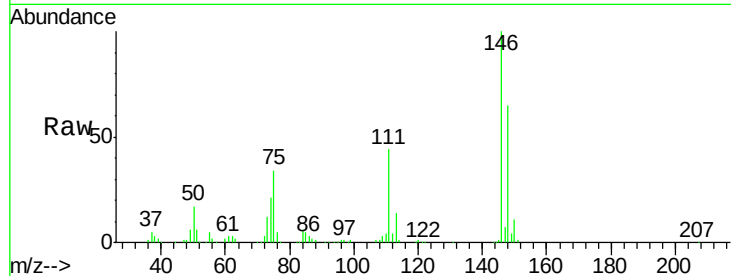
#91
 1,2-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.9	32.0	96.0

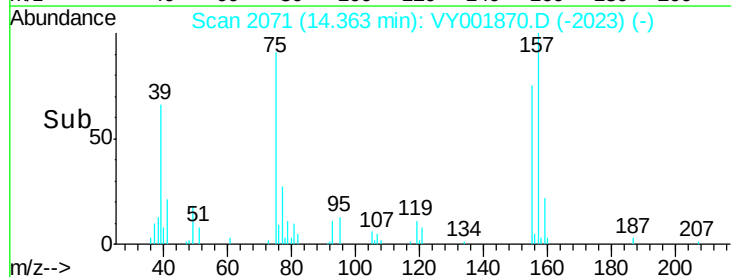
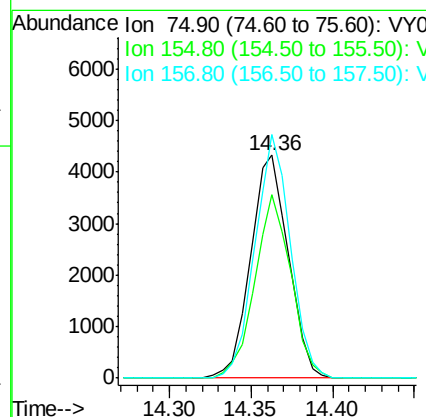
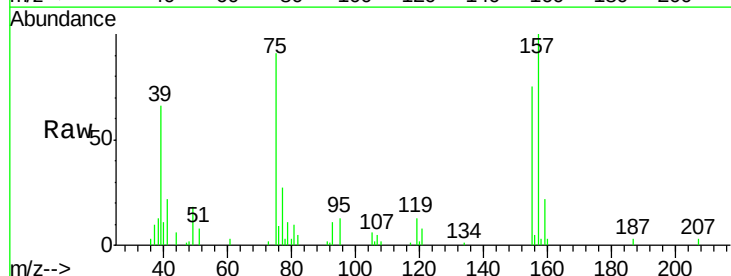
Manual Integrations
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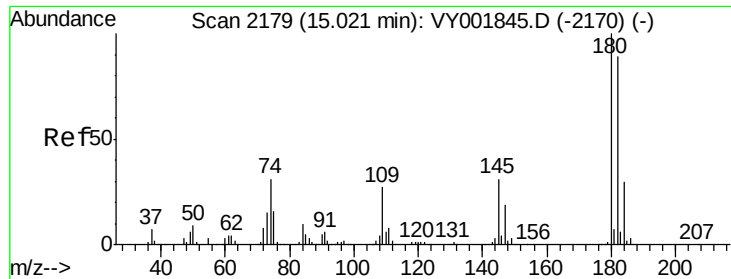
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 3/6/2020 11:16:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.635 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	42.9	128.7
157	102.6	53.1	159.4





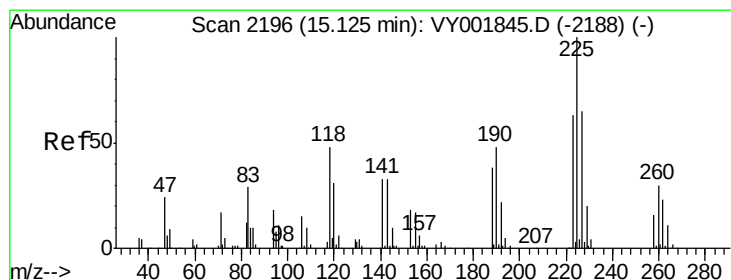
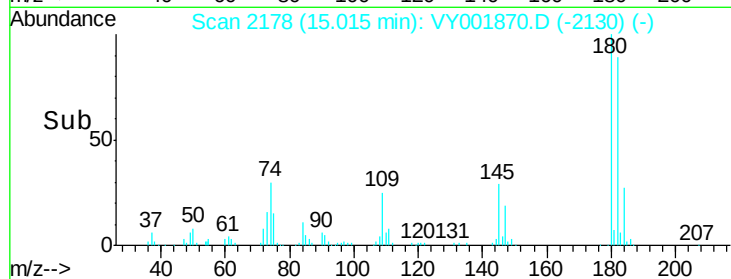
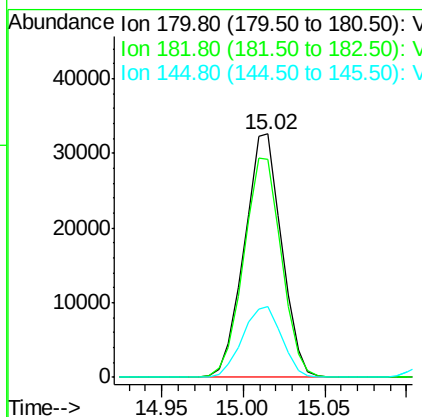
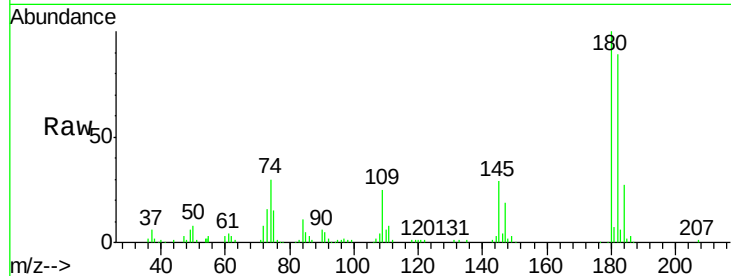
#93
 1,2,4-Trichlorobenzene
 Concen: 20.198 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	46.1	138.3
145	30.6	15.6	46.8

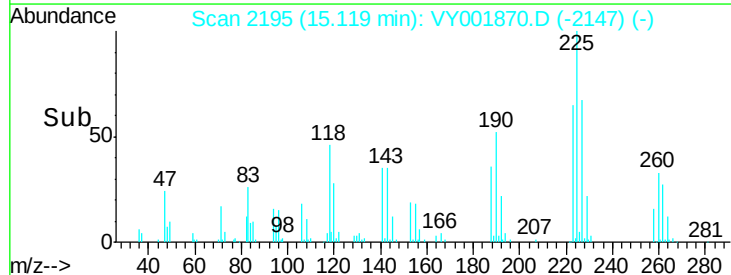
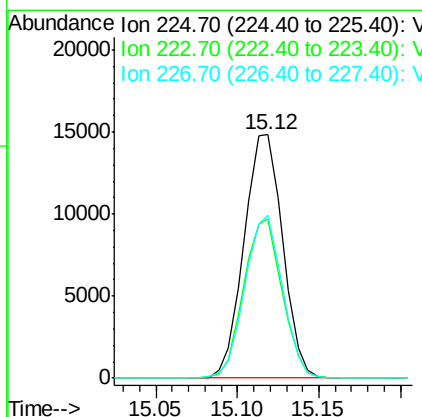
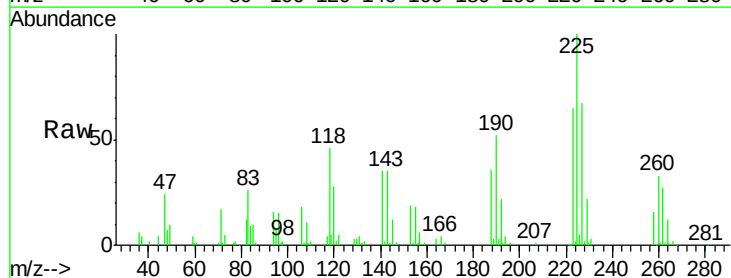
Manual Integrations
 APPROVED

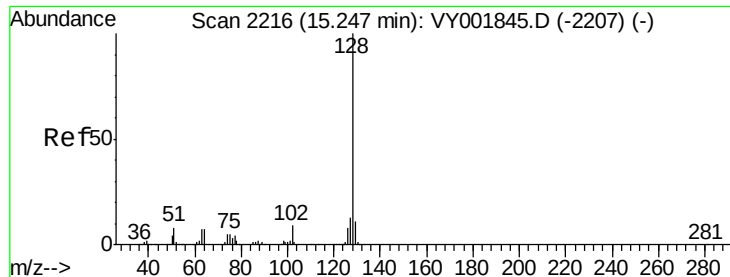
MMDadoda
 3/6/2020 11:16:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.577 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001870.D
 Acq: 05 Mar 2020 10:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.5	94.5
227	65.1	31.9	95.5





#95

Naphthalene

Concen: 19.663 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Instrument :

MSVOA_Y

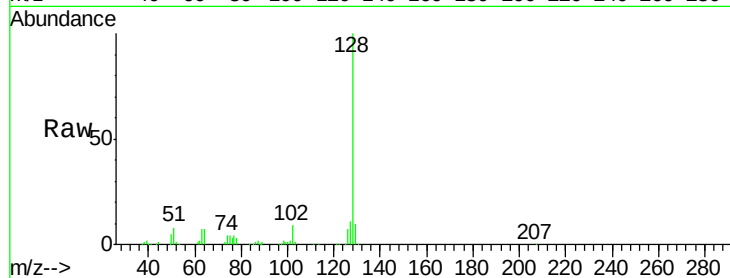
ClientSampleId :

VY0305SBS01

Tot Ion:	128	Resp:	119759
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.1	15.1
129	10.5	8.6	13.0

Manual Integrations
APPROVED

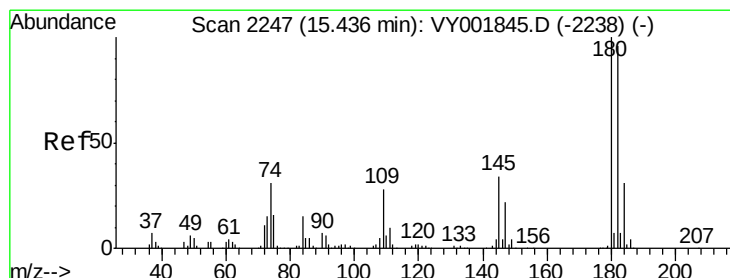
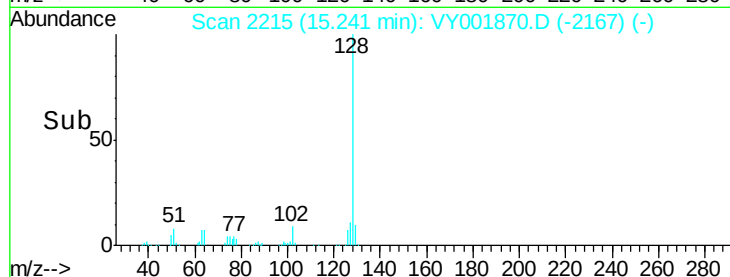
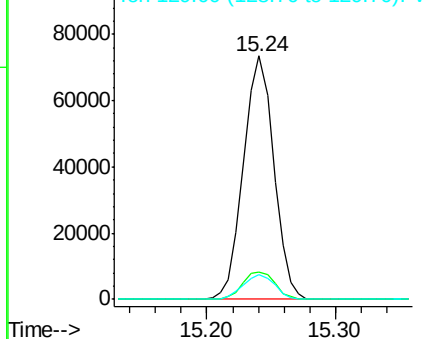
MMDadoda
3/6/2020 11:16:45 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.864 ug/l

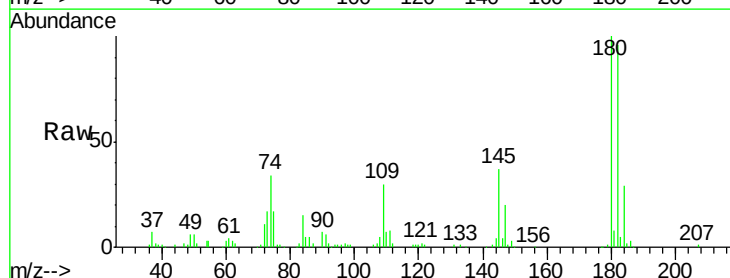
RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001870.D

Acq: 05 Mar 2020 10:55

Tgt Ion:	180	Resp:	44933
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.6	142.9
145	33.1	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

